

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
 Data File : VD065064.D
 Acq On : 05 Feb 2020 15:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 05 15:28:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	617061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	872221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	527219	90.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.78%	
35) Dibromofluoromethane	7.92	113	516049	95.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.78%	
50) Toluene-d8	10.34	98	2072548	99.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.96%	
62) 4-Bromofluorobenzene	12.64	95	641120	99.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	502404	105.71	ug/l	99
3) Chloromethane	2.21	50	559747	83.67	ug/l	96
4) Vinyl Chloride	2.35	62	623197	81.73	ug/l	99
5) Bromomethane	2.76	94	382780	75.00	ug/l	99
6) Chloroethane	2.92	64	382133	76.67	ug/l	97
7) Trichlorofluoromethane	3.27	101	914152	78.21	ug/l	97
8) Diethyl Ether	3.70	74	249854	91.88	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	551026	97.17	ug/l	100
10) Methyl Iodide	4.29	142	707419	117.09	ug/l	99
11) Tert butyl alcohol	5.25	59	149987	471.99	ug/l	98
12) 1,1-Dichloroethene	4.06	96	526575	97.35	ug/l	99
13) Acrolein	3.92	56	180737	445.31	ug/l	98
14) Allyl chloride	4.71	41	880184	101.54	ug/l	99
15) Acrylonitrile	5.43	53	567117	481.82	ug/l	99
16) Acetone	4.17	43	623917	501.07	ug/l	99
17) Carbon Disulfide	4.40	76	1705757	96.13	ug/l	99
18) Methyl Acetate	4.73	43	260170	94.55	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1161582	97.09	ug/l	96
20) Methylene Chloride	4.96	84	547821	79.73	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	590080	95.31	ug/l	98
22) Diisopropyl ether	6.37	45	1662978	97.36	ug/l	97
23) Vinyl Acetate	6.31	43	4878913	492.83	ug/l	100
24) 1,1-Dichloroethane	6.26	63	982257	93.74	ug/l	100
25) 2-Butanone	7.22	43	759675	482.71	ug/l	97
26) 2,2-Dichloropropane	7.21	77	911970	95.37	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	632115	95.40	ug/l	99
28) Bromochloromethane	7.55	49	383546	94.66	ug/l	99
29) Tetrahydrofuran	7.57	42	462547	474.43	ug/l	99
30) Chloroform	7.71	83	984031	91.19	ug/l	94
31) Cyclohexane	7.98	56	982994	94.68	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	937670	93.34	ug/l	99
36) 1,1-Dichloropropene	8.11	75	829496	98.79	ug/l	99
37) Ethyl Acetate	7.30	43	332524	96.23	ug/l	99
38) Carbon Tetrachloride	8.10	117	853058	96.82	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1040775	105.13	ug/l	100
40) Benzene	8.36	78	2274836	98.46	ug/l	99
41) Methacrylonitrile	7.53	41	189952	104.42	ug/l	94
42) 1,2-Dichloroethane	8.43	62	632964	92.67	ug/l	99
43) Isopropyl Acetate	8.46	43	642048	97.85	ug/l	100
44) Trichloroethene	9.11	130	640705	98.45	ug/l	98
45) 1,2-Dichloropropane	9.39	63	543492	96.80	ug/l	97
46) Dibromomethane	9.48	93	280368	92.18	ug/l	98
47) Bromodichloromethane	9.67	83	751620	94.93	ug/l	98
48) Methyl methacrylate	9.46	41	307637	101.88	ug/l	99
49) 1,4-Dioxane	9.47	88	67591	1933.85	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	1610895	493.69	ug/l	99
52) Toluene	10.41	92	1463057	98.12	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	743909	98.59	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	886252	99.91	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	385092	94.09	ug/l	98
56) Ethyl methacrylate	10.67	69	515410	104.95	ug/l	99
57) 1,3-Dichloropropane	10.95	76	675711	96.08	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	767365	448.59	ug/l	100
59) 2-Hexanone	10.99	43	1172420	519.14	ug/l	99
60) Dibromochloromethane	11.14	129	508326	93.21	ug/l	99
61) 1,2-Dibromoethane	11.26	107	376880	95.42	ug/l	100
64) Tetrachloroethene	10.88	164	560896	99.91	ug/l	96
65) Chlorobenzene	11.68	112	1500562	95.25	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	566923	96.12	ug/l	99
67) Ethyl Benzene	11.75	91	2807943	100.55	ug/l	99
68) m/p-Xylenes	11.86	106	2125966	197.80	ug/l	100
69) o-Xylene	12.18	106	963355	100.75	ug/l	99
70) Styrene	12.20	104	1694273	100.15	ug/l	100
71) Bromoform	12.37	173	295886	91.17	ug/l #	99
73) Isopropylbenzene	12.48	105	2645789	102.20	ug/l	100
74) N-amyl acetate	12.30	43	585972	101.75	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	396162	92.00	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	551644	180.49	ug/l #	100
77) Bromobenzene	12.77	156	607683	96.22	ug/l	98
78) n-propylbenzene	12.83	91	3086838	100.36	ug/l	100
79) 2-Chlorotoluene	12.91	91	1684783	99.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2130090	100.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	148221	101.14	ug/l	97
82) 4-Chlorotoluene	13.01	91	1761575	98.36	ug/l	100
83) tert-Butylbenzene	13.23	119	1904646	105.96	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	2131755	99.53	ug/l	99
85) sec-Butylbenzene	13.41	105	2566334	100.53	ug/l	100
86) p-Isopropyltoluene	13.53	119	2399243	100.90	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1166340	96.47	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1121455	93.47	ug/l	99
89) n-Butylbenzene	13.86	91	2186354	100.74	ug/l	98
90) Hexachloroethane	14.13	117	434150	94.90	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	972097	94.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	63906	92.15	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:24:15 2020
Response via : Initial Calibration

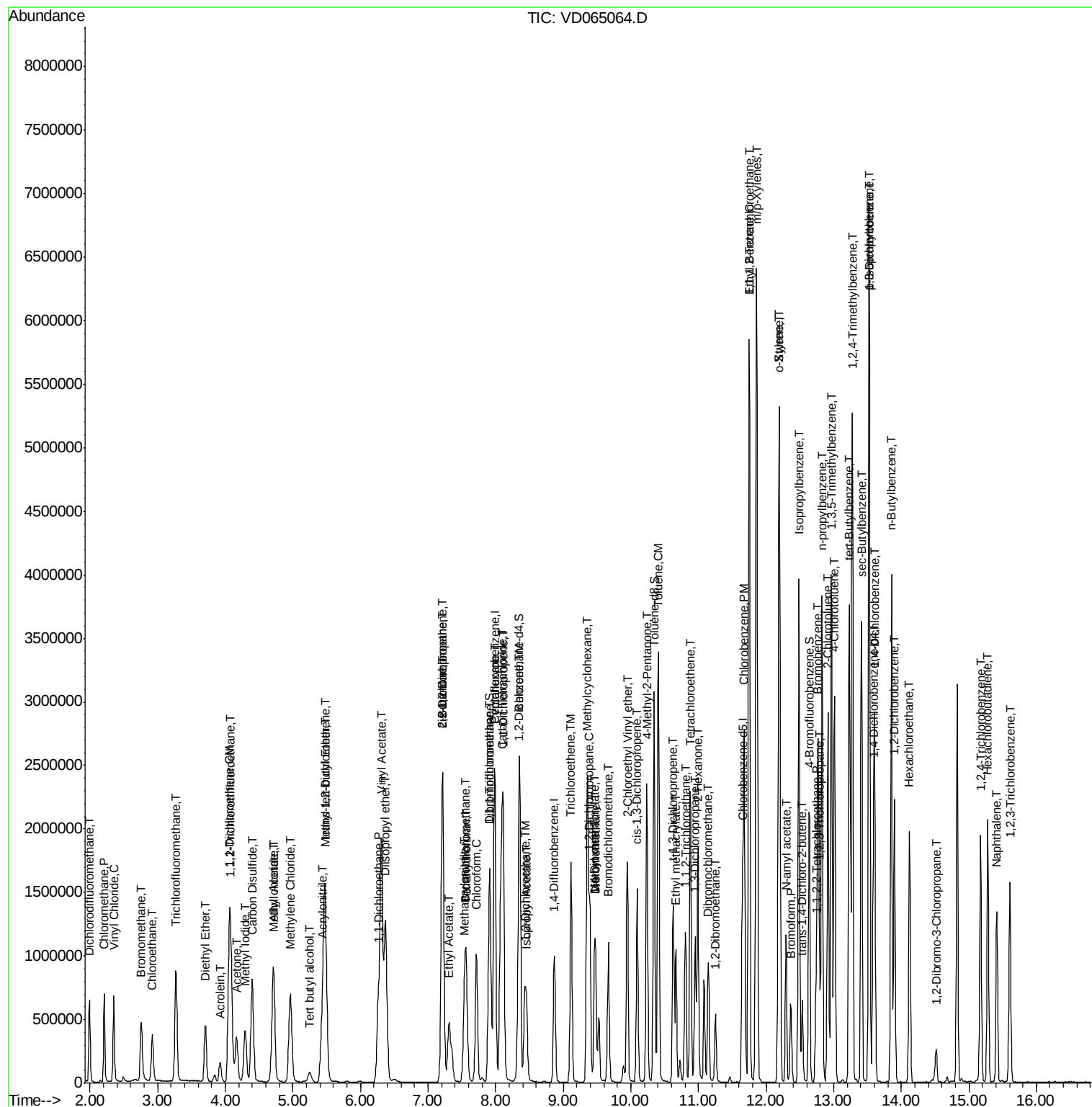
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	694376	97.21	ug/l	99
94) Hexachlorobutadiene	15.28	225	428091	94.75	ug/l	99
95) Naphthalene	15.41	128	1182991	103.05	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	590675	96.20	ug/l	99

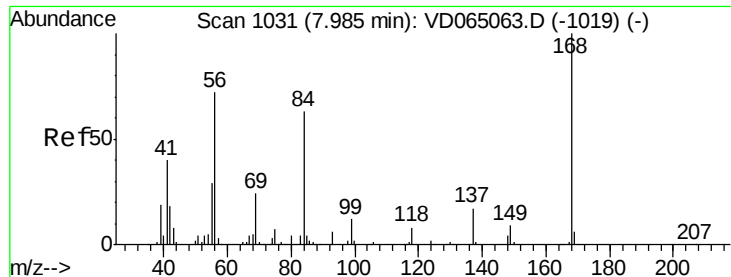
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 05 Feb 2020 15:03
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Instrument :
 MSVOA_D
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Quant Time: Feb 05 15:28:51 2020
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 Quant Title : SW846 8260
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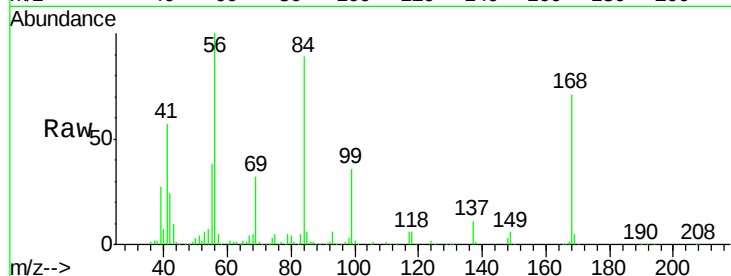




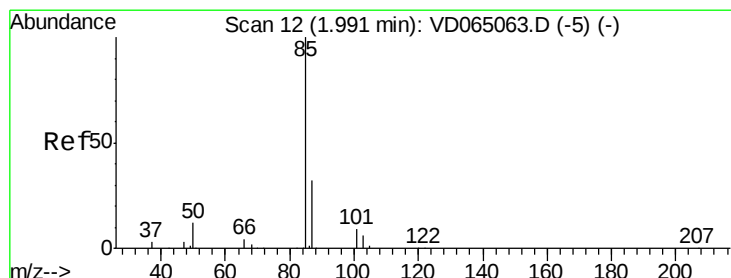
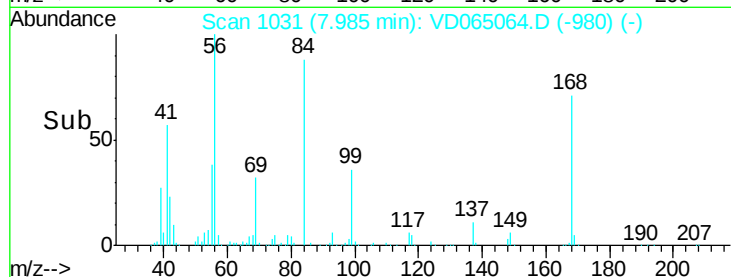
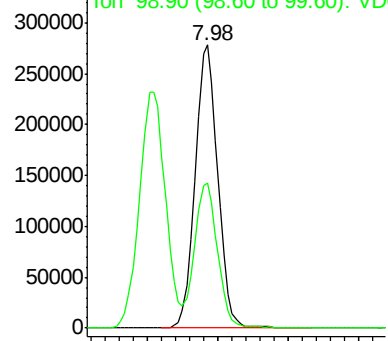
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 168 Resp: 617061
Ion Ratio Lower Upper
168 100
99 51.0 41.0 61.6

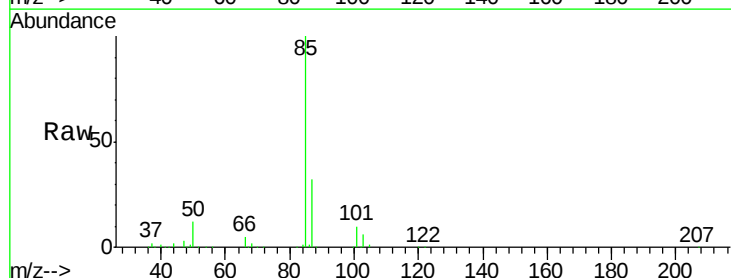


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

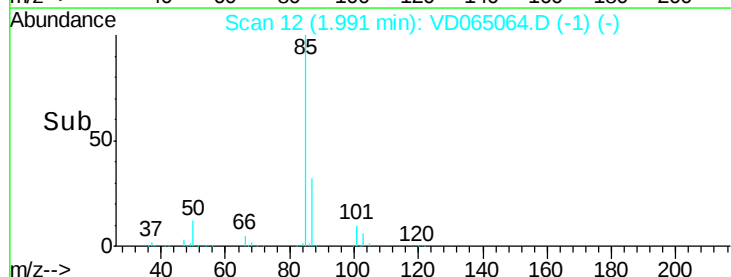
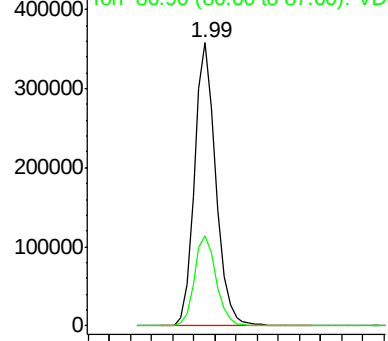


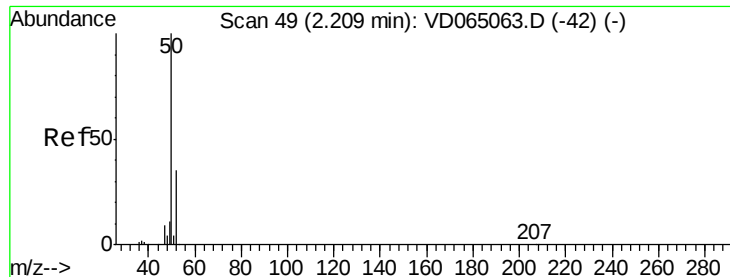
#2
Dichlorodifluoromethane
Concen: 105.71 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 85 Resp: 502404
Ion Ratio Lower Upper
85 100
87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 83.67 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

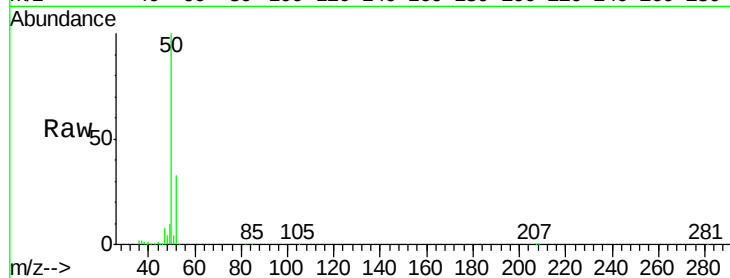
VSTDIC100

Tgt Ion: 50 Resp: 559747

Ion Ratio Lower Upper

50 100

52 32.5 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400000

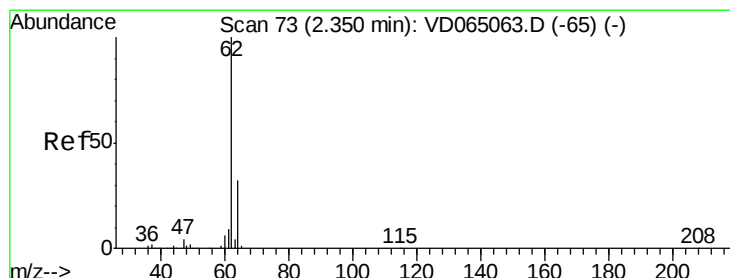
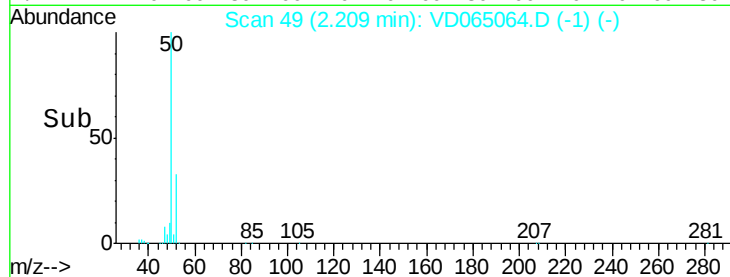
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 81.73 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065064.D

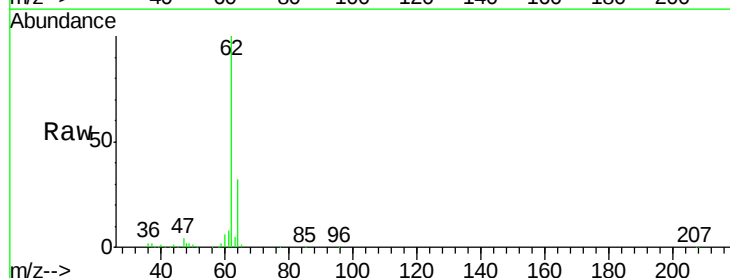
Acq: 05 Feb 2020 15:03

Tgt Ion: 62 Resp: 623197

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

400000

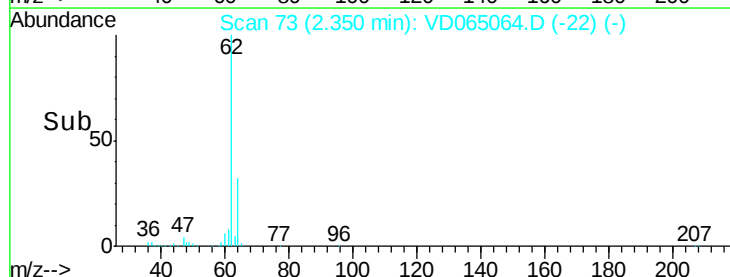
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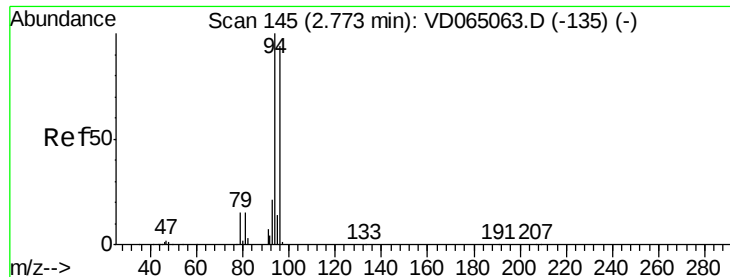
200000

100000

0

Time-->





#5

Bromomethane

Concen: 75.00 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

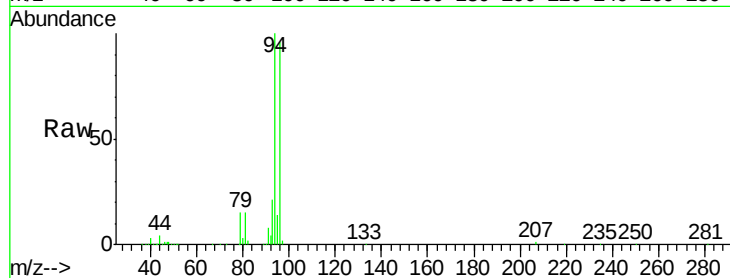
VSTDIC100

Tgt Ion: 94 Resp: 382780

Ion Ratio Lower Upper

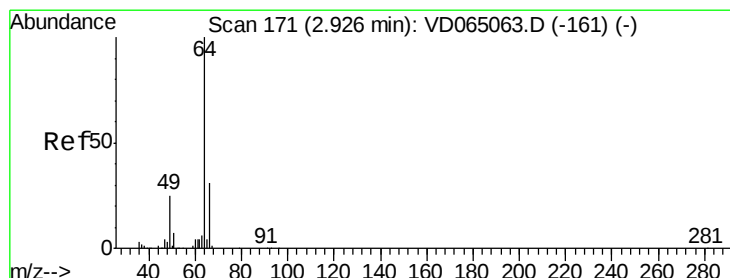
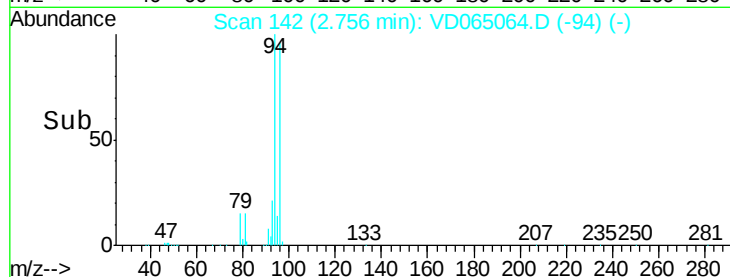
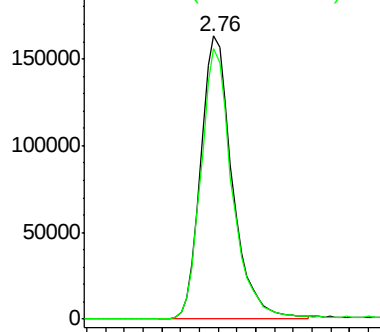
94 100

96 95.6 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 76.67 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065064.D

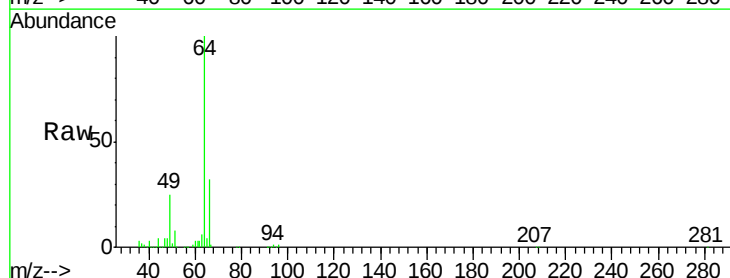
Acq: 05 Feb 2020 15:03

Tgt Ion: 64 Resp: 382133

Ion Ratio Lower Upper

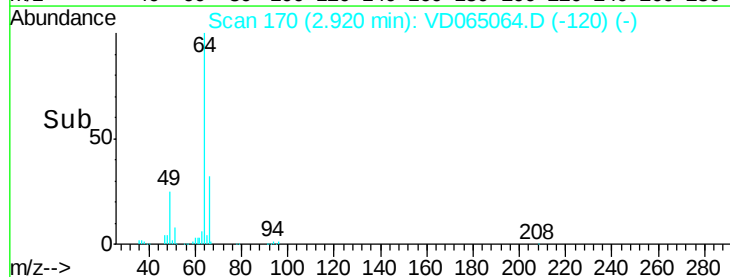
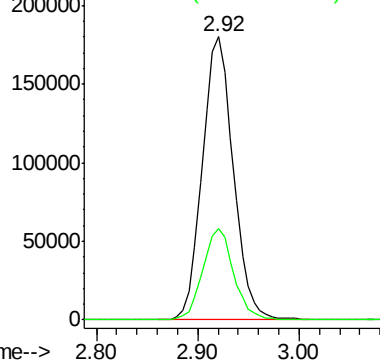
64 100

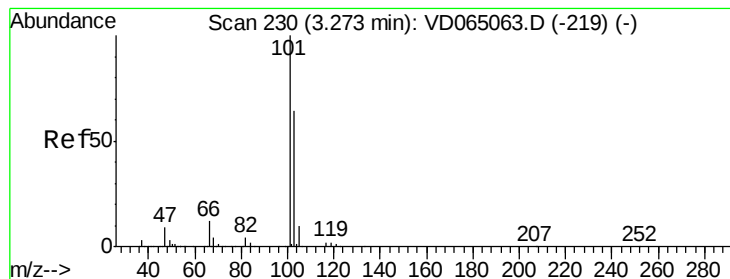
66 32.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 78.21 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

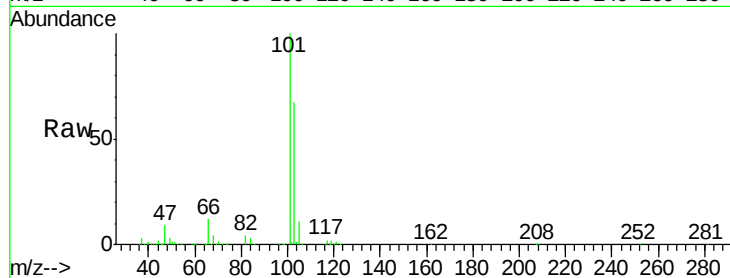
VSTDIC100

Tgt Ion: 101 Resp: 914152

Ion Ratio Lower Upper

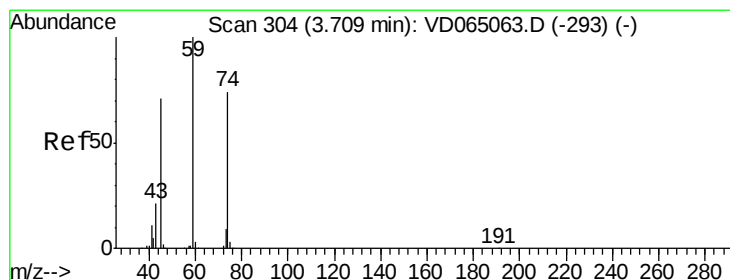
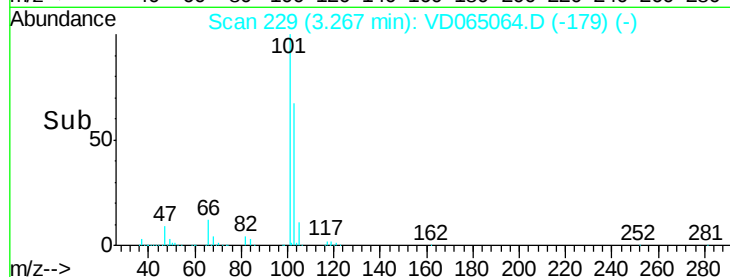
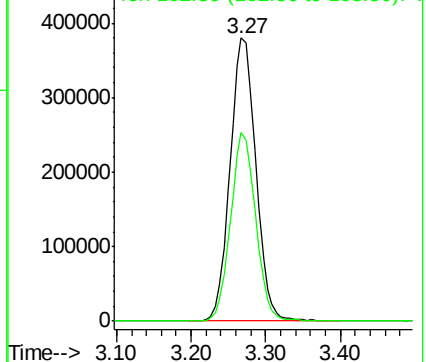
101 100

103 66.5 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 91.88 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065064.D

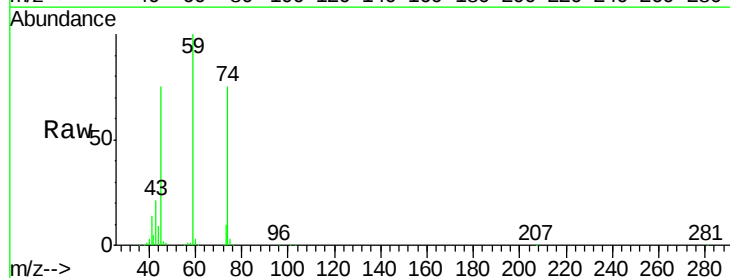
Acq: 05 Feb 2020 15:03

Tgt Ion: 74 Resp: 249854

Ion Ratio Lower Upper

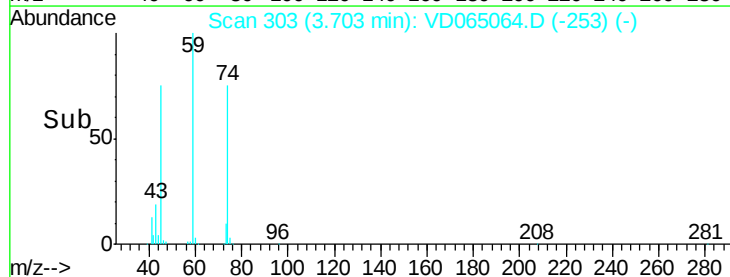
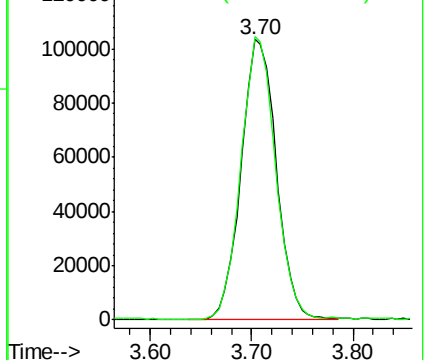
74 100

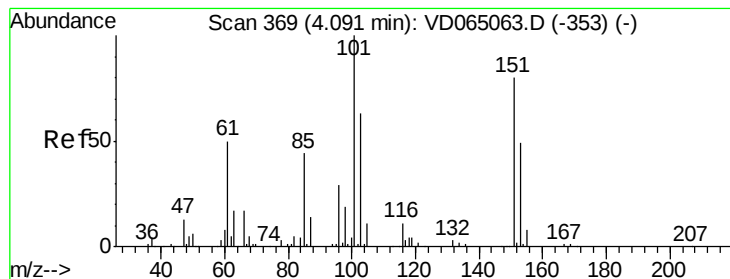
45 98.3 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.17 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

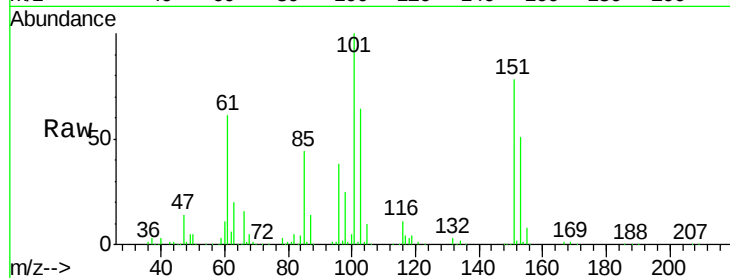
Tgt Ion:101 Resp: 551026

Ion Ratio Lower Upper

101 100

85 42.9 34.0 51.0

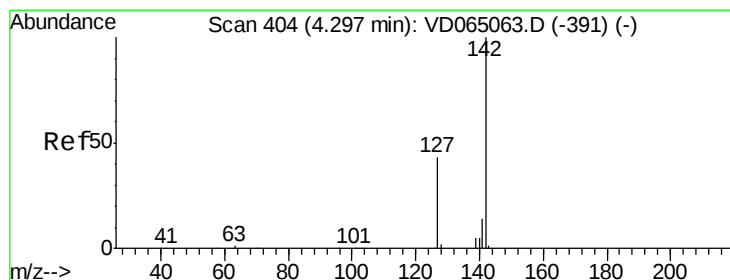
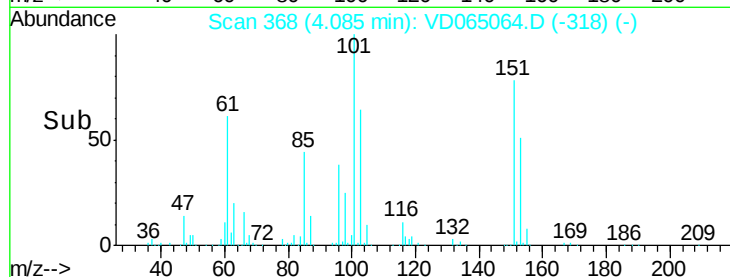
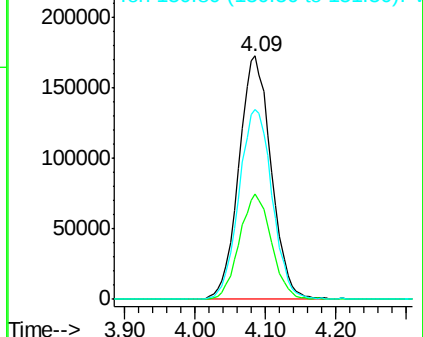
151 80.0 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 117.09 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

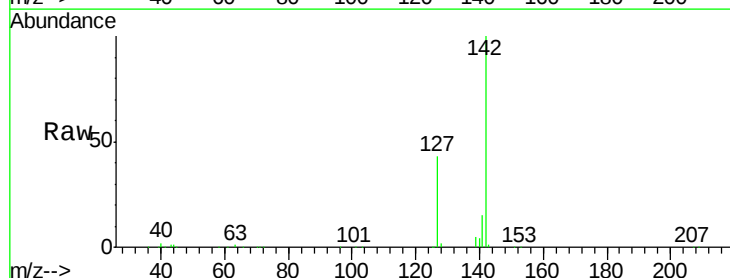
Tgt Ion:142 Resp: 707419

Ion Ratio Lower Upper

142 100

127 42.8 34.0 51.0

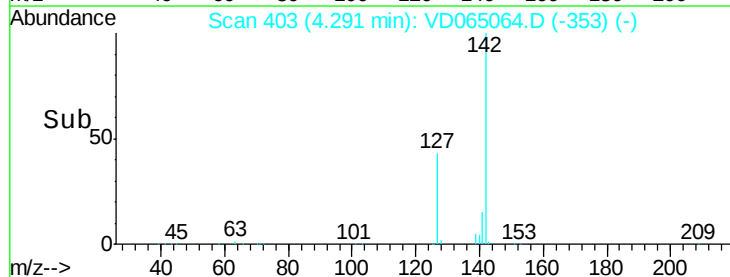
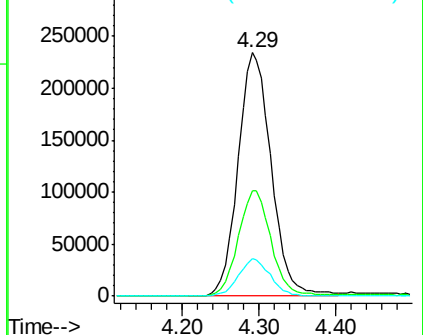
141 14.8 11.6 17.4

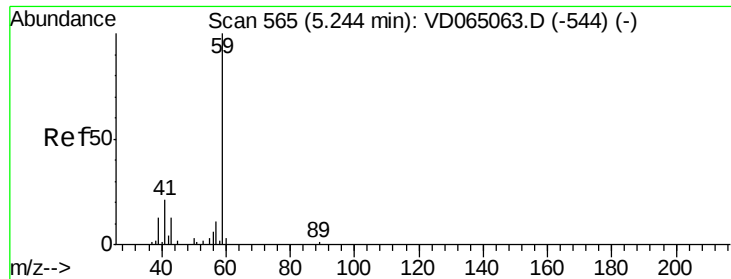


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



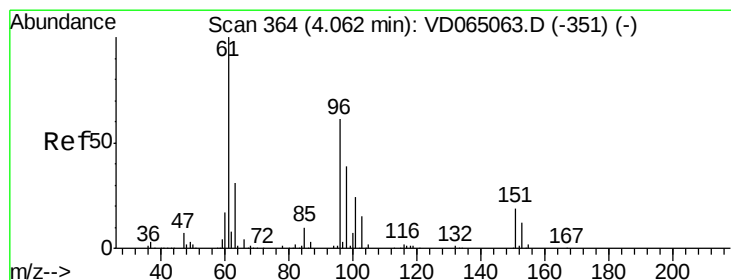
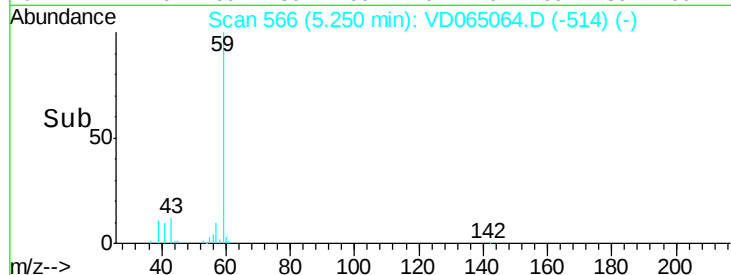
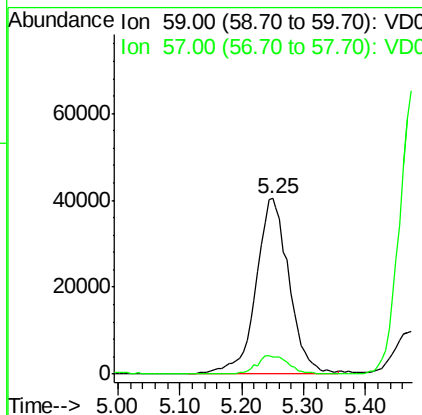
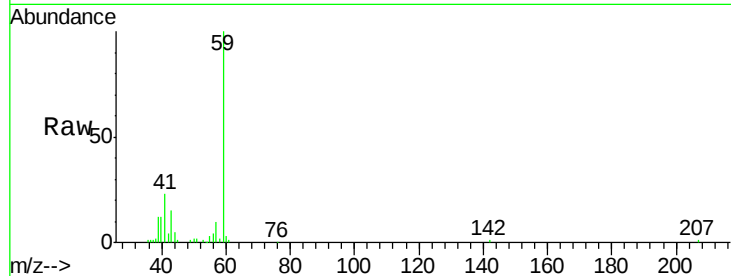


#11

Tert butyl alcohol
 Concen: 471.99 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

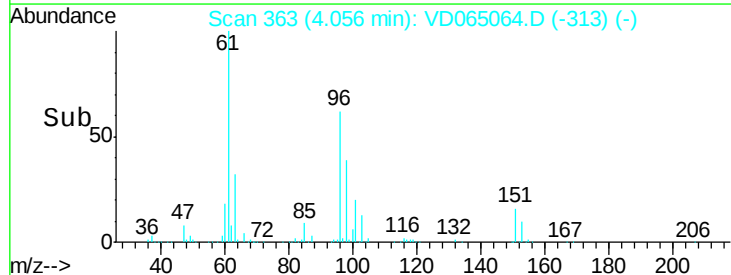
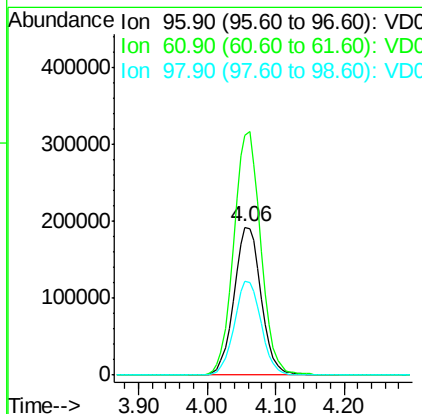
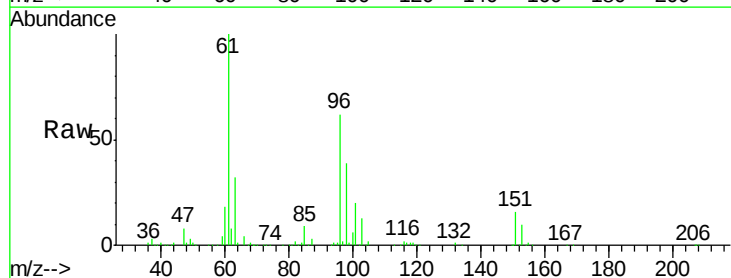
Tgt Ion: 59 Resp: 149987
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.8 13.2

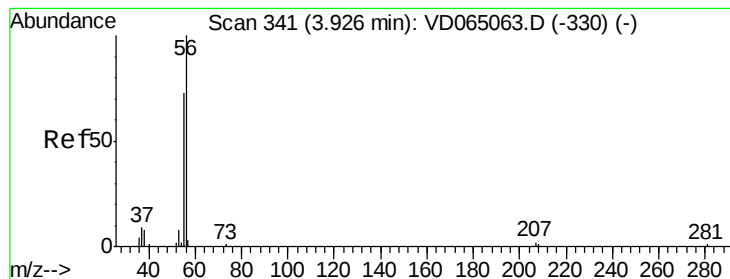


#12

1,1-Dichloroethene
 Concen: 97.35 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion: 96 Resp: 526575
 Ion Ratio Lower Upper
 96 100
 61 162.4 131.4 197.2
 98 63.5 51.1 76.7





#13

Acrolein

Concen: 445.31 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

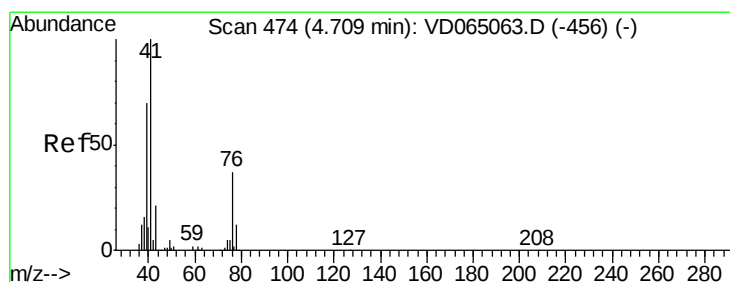
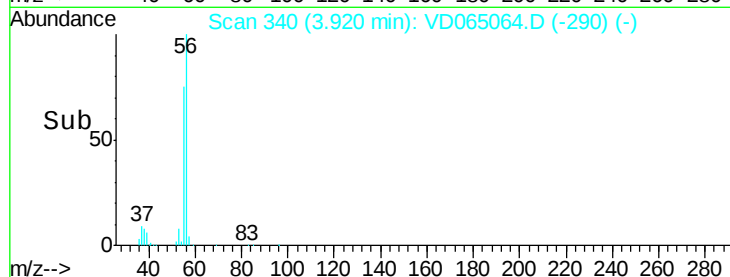
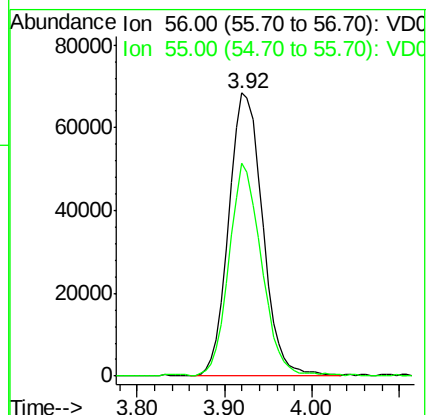
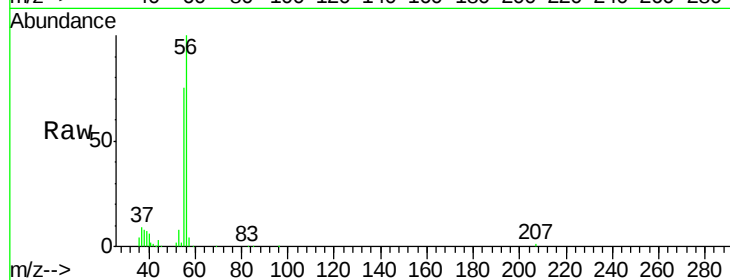
VSTDIC100

Tgt Ion: 56 Resp: 180737

Ion Ratio Lower Upper

56 100

55 70.8 58.2 87.2



#14

Allyl chloride

Concen: 101.54 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

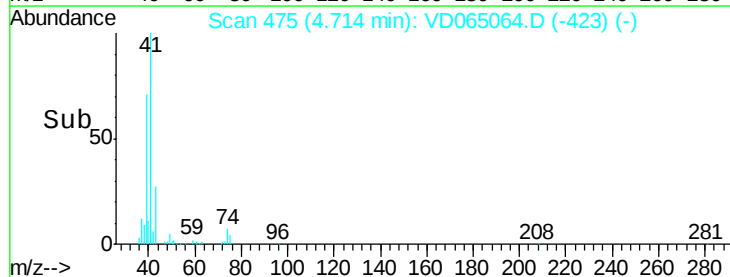
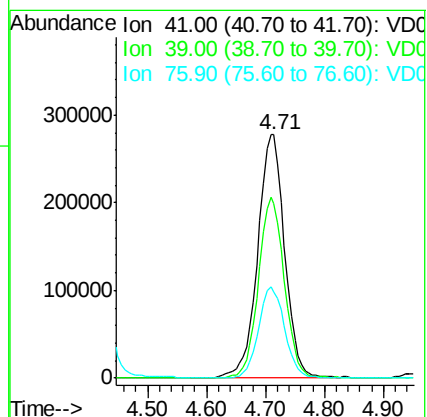
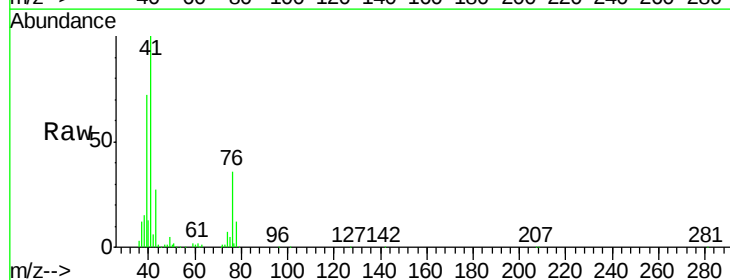
Tgt Ion: 41 Resp: 880184

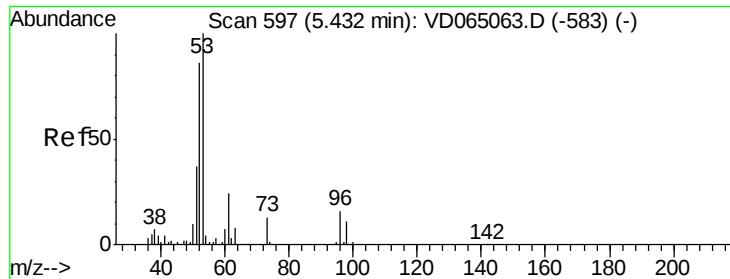
Ion Ratio Lower Upper

41 100

39 71.7 57.1 85.7

76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 481.82 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

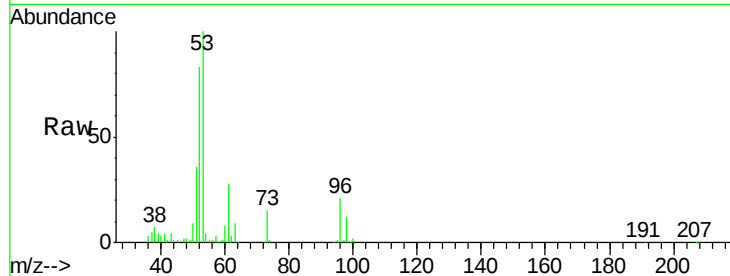
Tgt Ion: 53 Resp: 567117

Ion Ratio Lower Upper

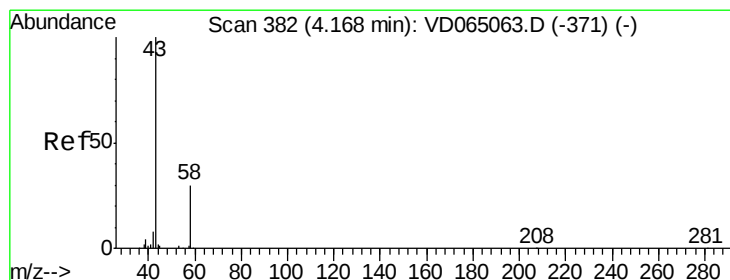
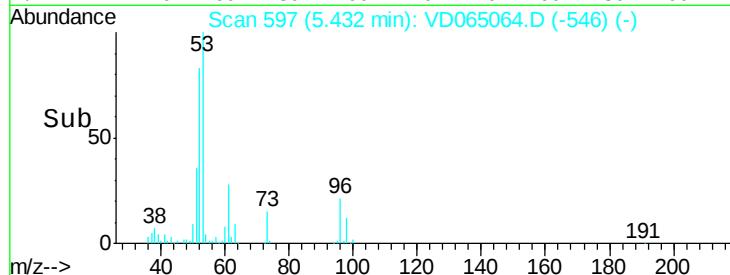
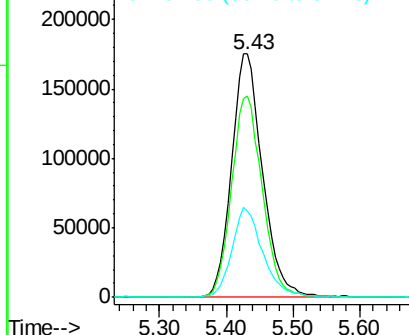
53 100

52 81.9 66.2 99.2

51 37.0 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 501.07 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065064.D

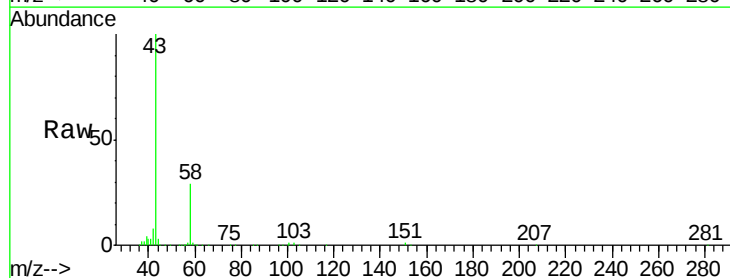
Acq: 05 Feb 2020 15:03

Tgt Ion: 43 Resp: 623917

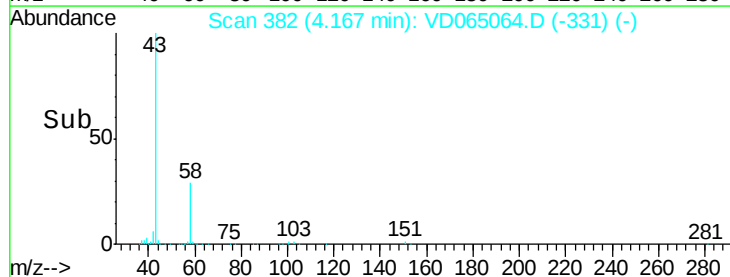
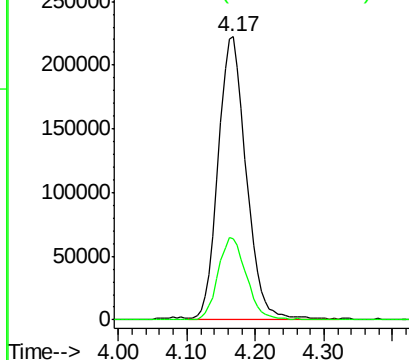
Ion Ratio Lower Upper

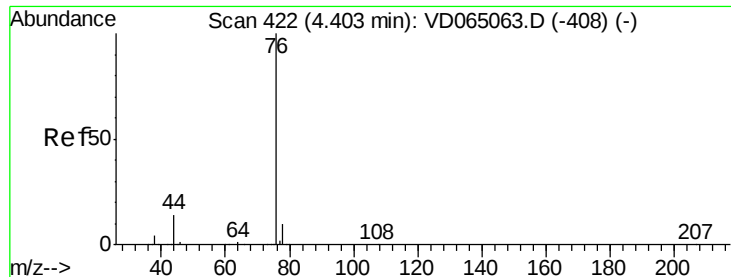
43 100

58 28.8 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

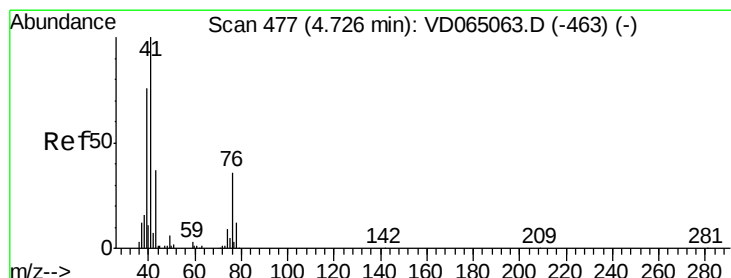
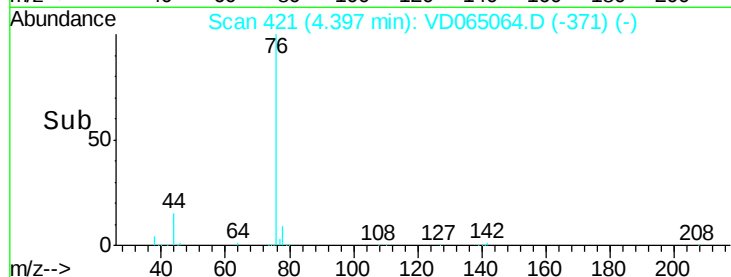
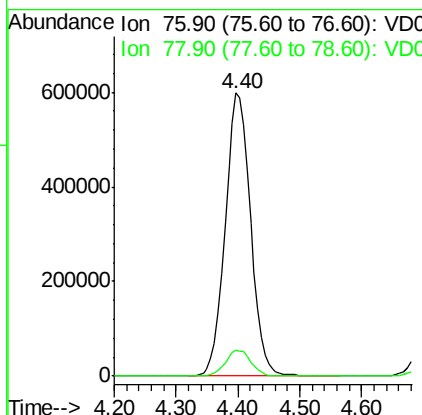
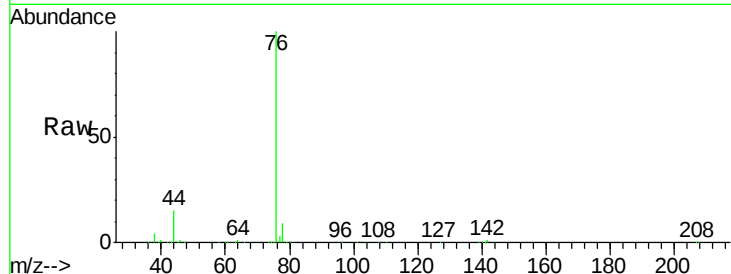




#17
Carbon Disulfide
Concen: 96.13 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

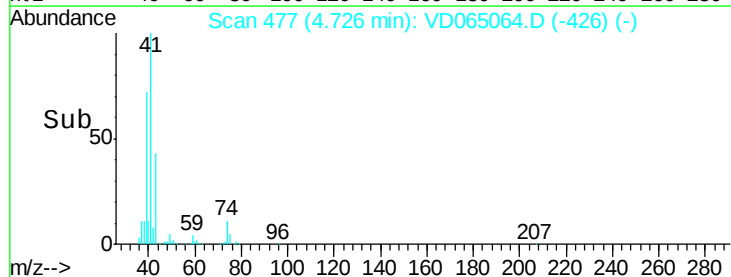
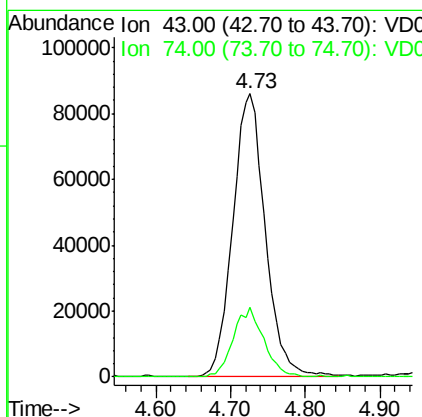
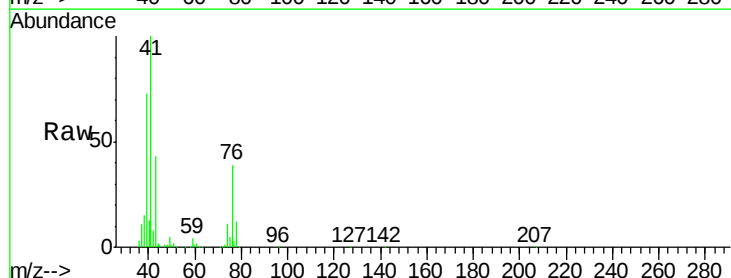
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

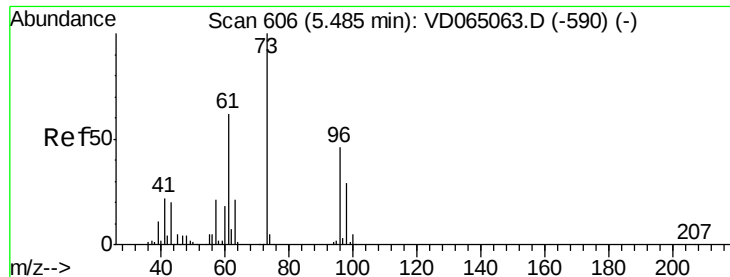
Tgt Ion: 76 Resp: 1705757
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 94.55 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 43 Resp: 260170
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1

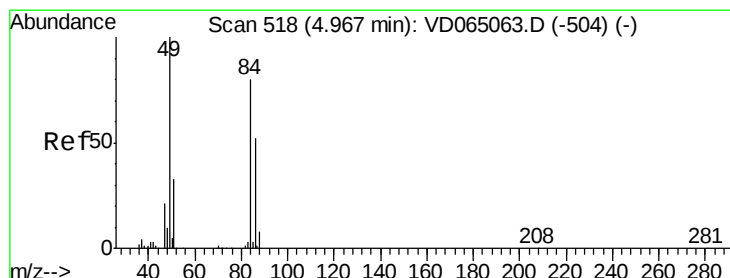
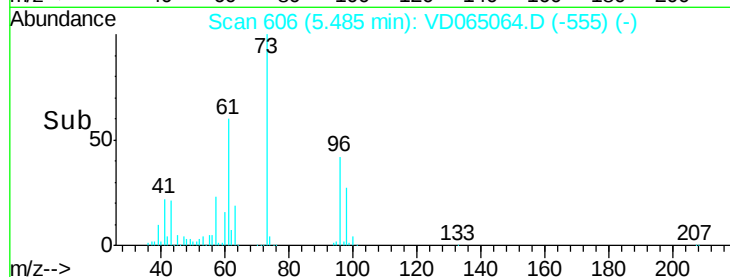
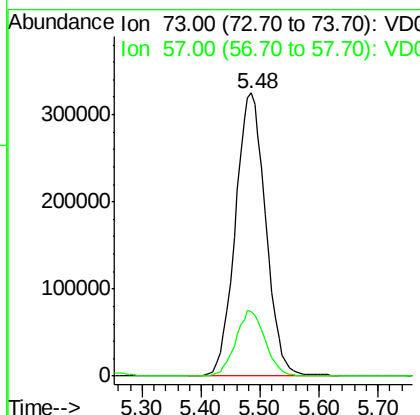
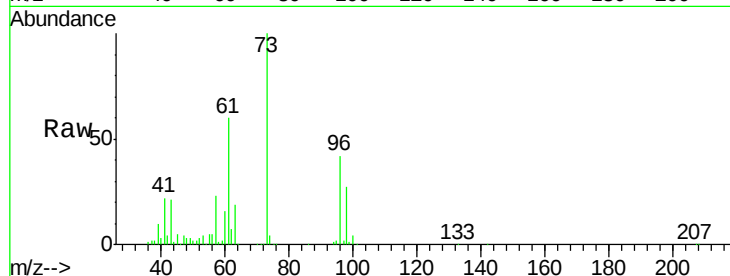




#19
Methyl tert-butyl Ether
Concen: 97.09 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

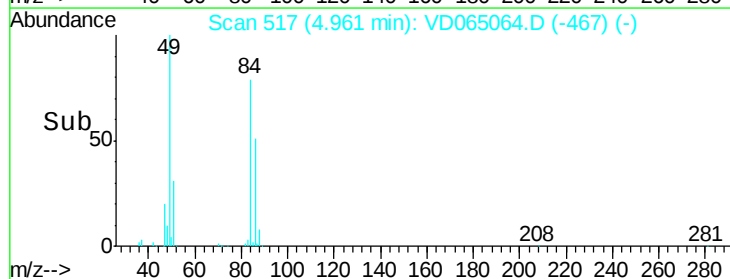
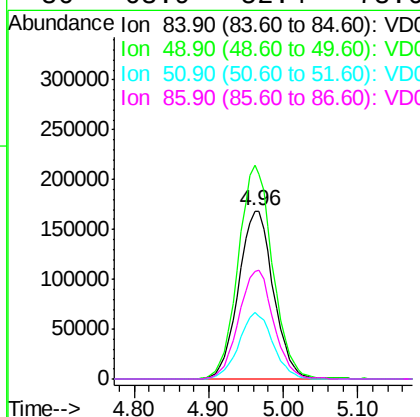
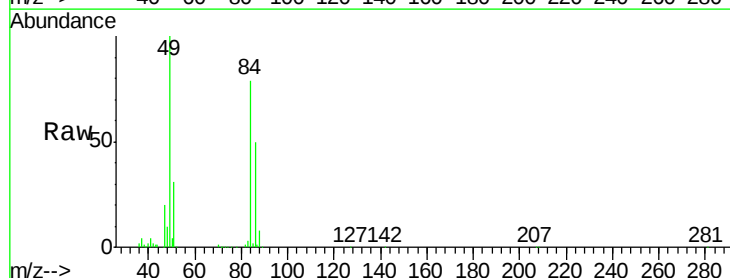
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

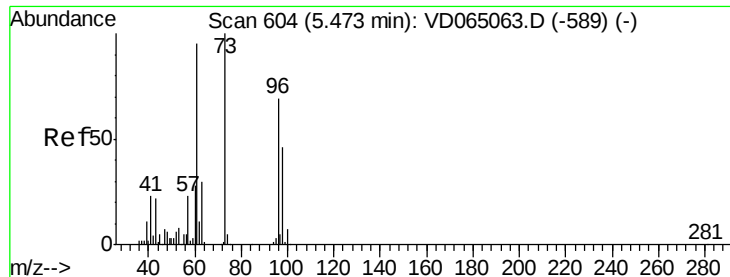
Tgt Ion: 73 Resp: 1161582
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 79.73 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 84 Resp: 547821
Ion Ratio Lower Upper
84 100
49 127.0 100.4 150.6
51 39.8 32.7 49.1
86 63.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 95.31 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

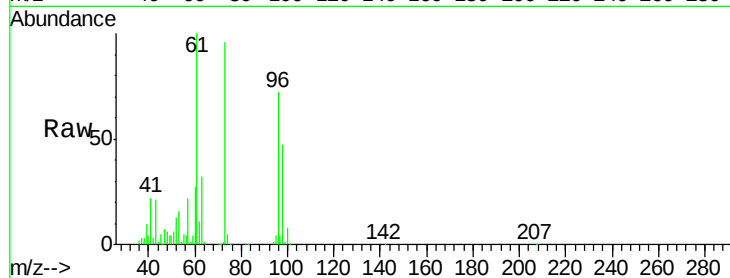
Tgt Ion: 96 Resp: 590080

Ion Ratio Lower Upper

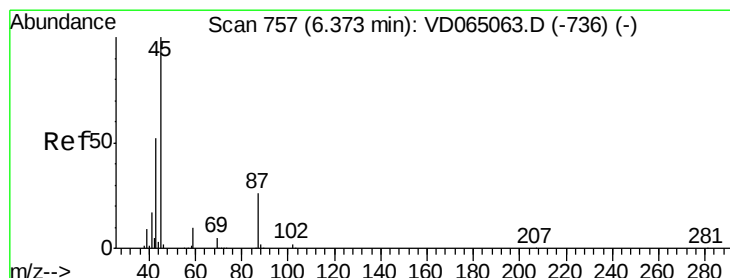
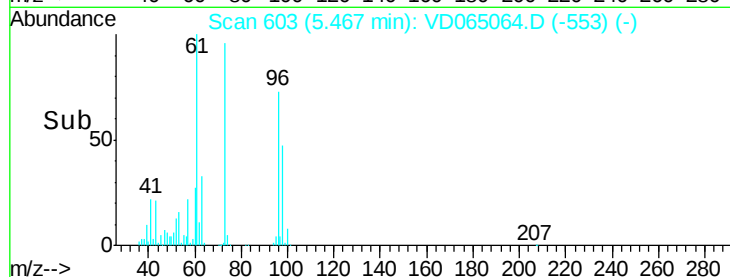
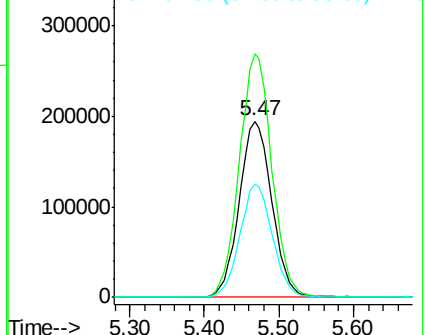
96 100

61 138.1 109.5 164.3

98 64.5 53.7 80.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 97.36 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion: 45 Resp: 1662978

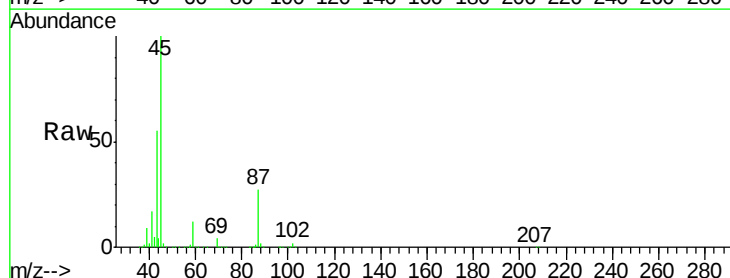
Ion Ratio Lower Upper

45 100

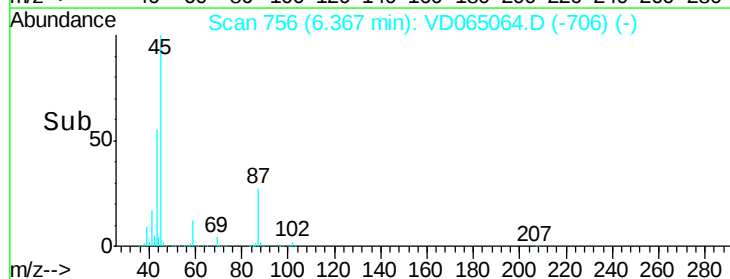
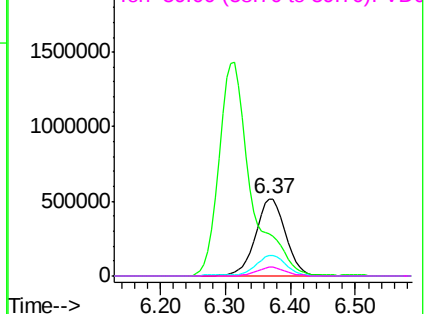
43 54.6 41.3 61.9

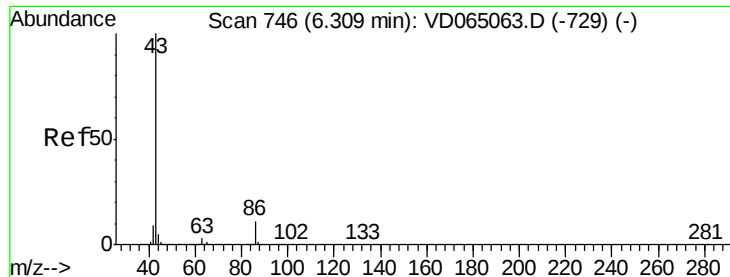
87 27.0 21.0 31.6

59 11.5 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 492.83 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

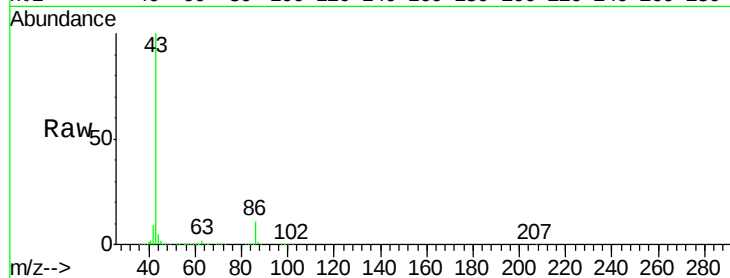
VSTDIC100

Tgt Ion: 43 Resp: 4878913

Ion Ratio Lower Upper

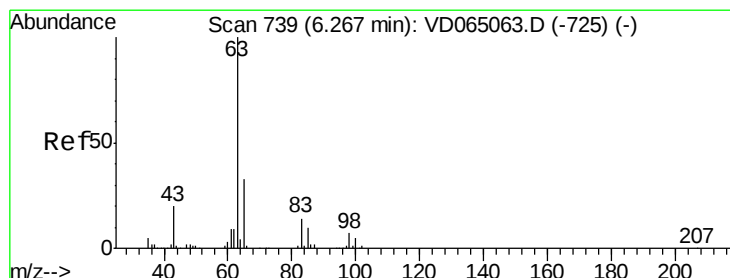
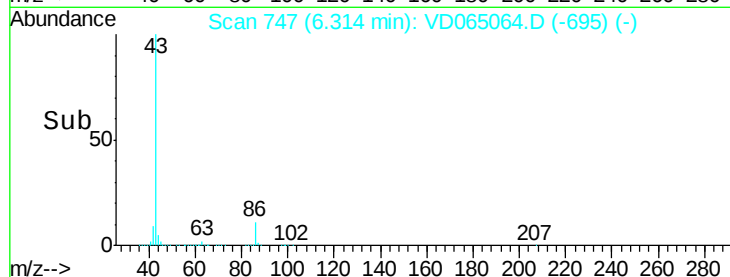
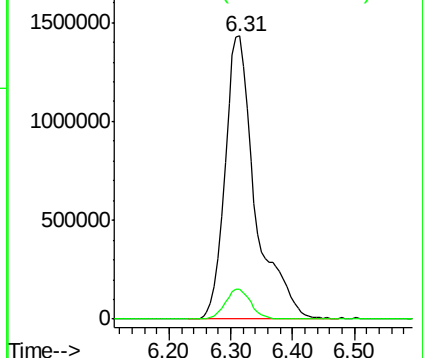
43 100

86 10.7 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 93.74 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

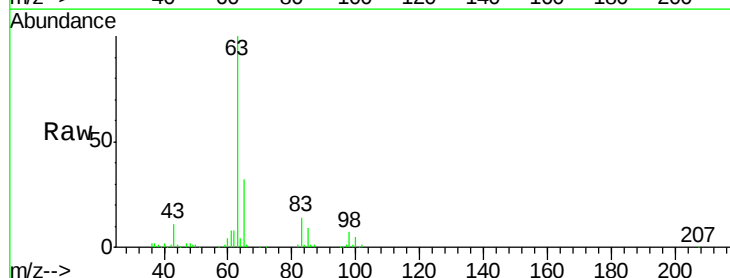
Tgt Ion: 63 Resp: 982257

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

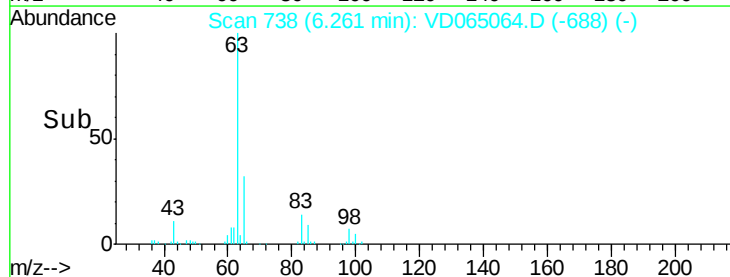
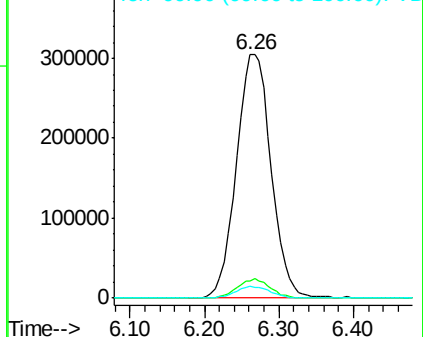
100 5.0 2.5 7.6

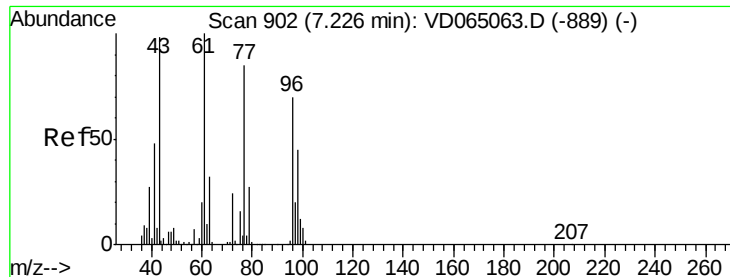


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 482.71 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

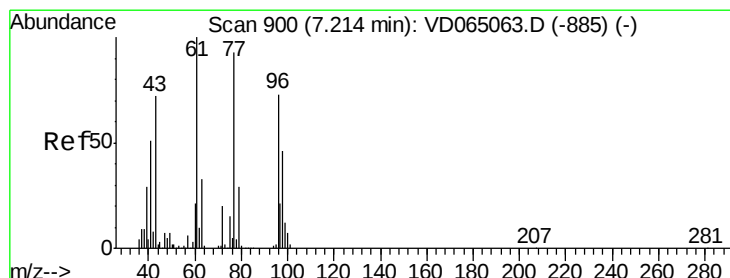
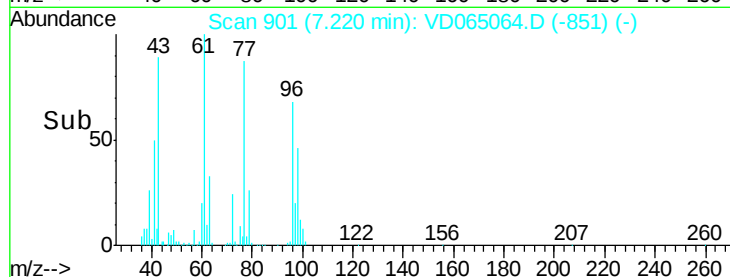
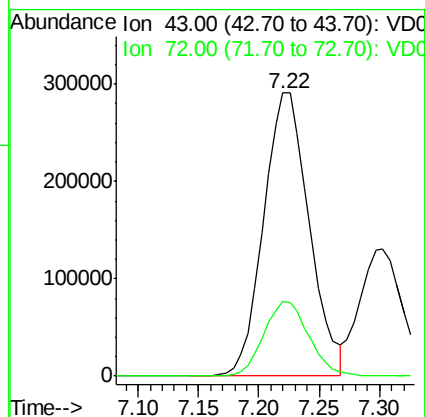
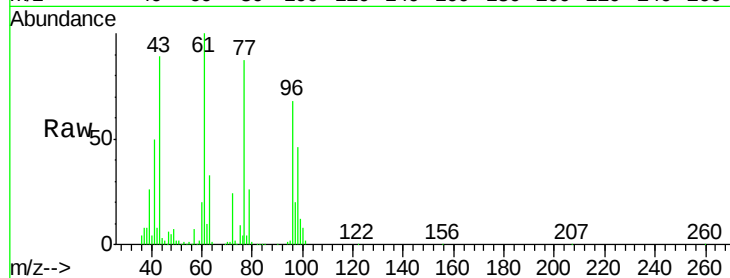
VSTDIC100

Tgt Ion: 43 Resp: 759675

Ion Ratio Lower Upper

43 100

72 26.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 95.37 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065064.D

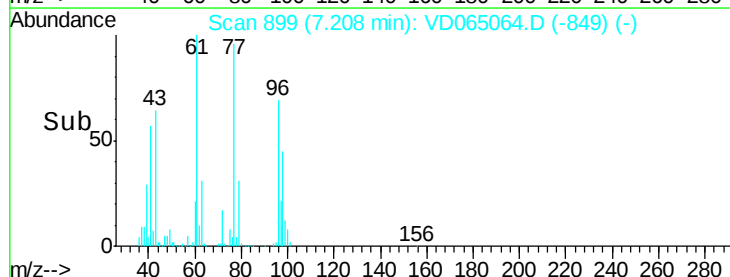
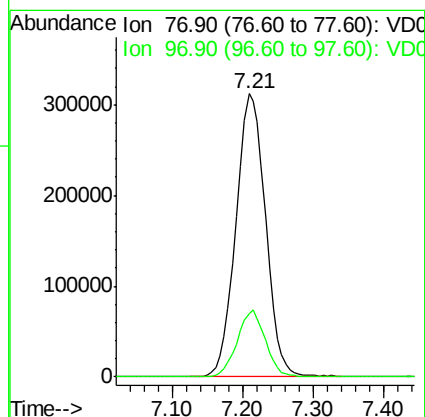
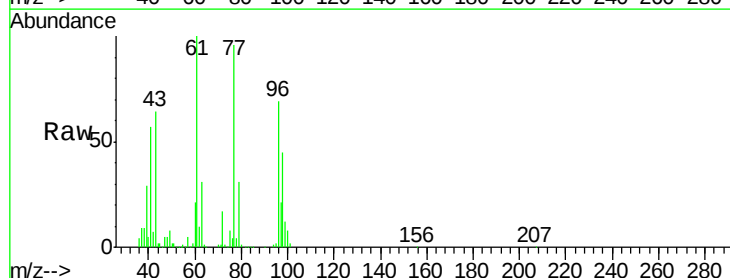
Acq: 05 Feb 2020 15:03

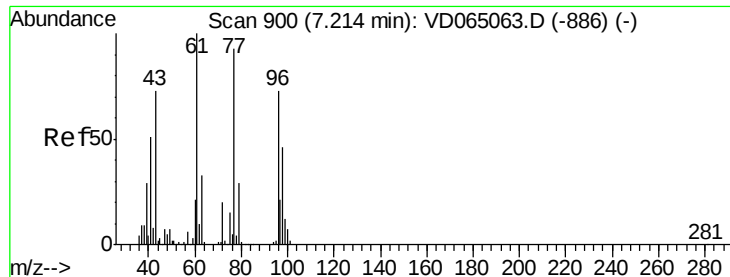
Tgt Ion: 77 Resp: 911970

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 95.40 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

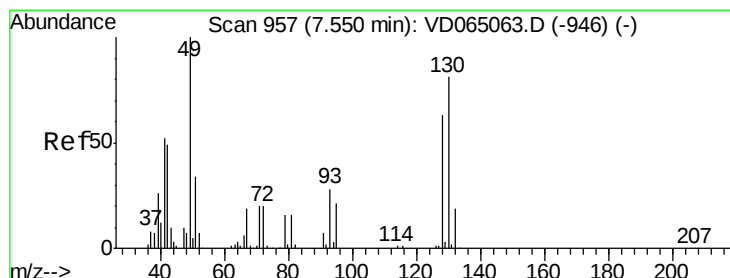
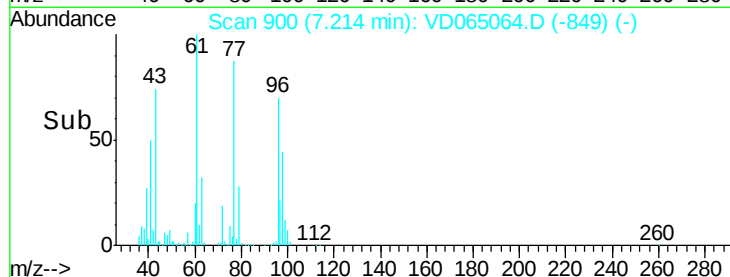
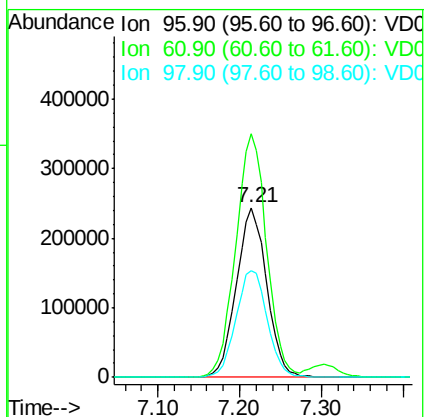
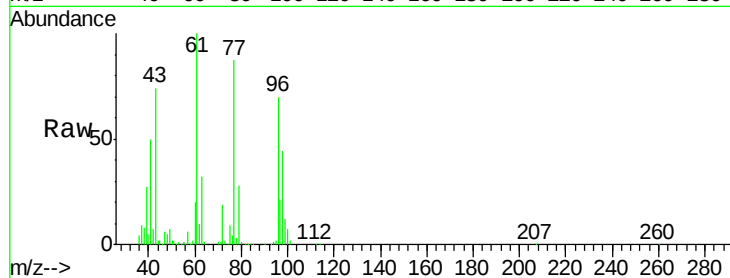
Tgt Ion: 96 Resp: 632115

Ion Ratio Lower Upper

96 100

61 145.4 0.0 292.8

98 65.0 0.0 128.8



#28

Bromochloromethane

Concen: 94.66 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

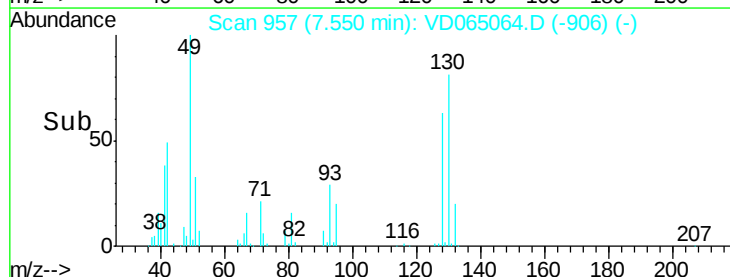
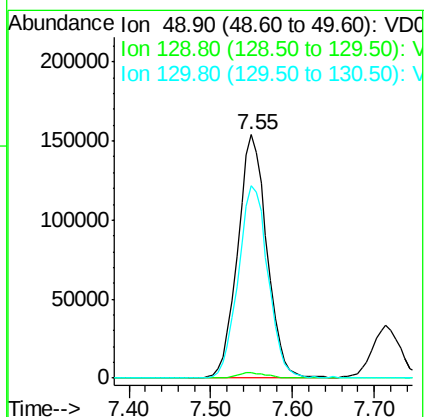
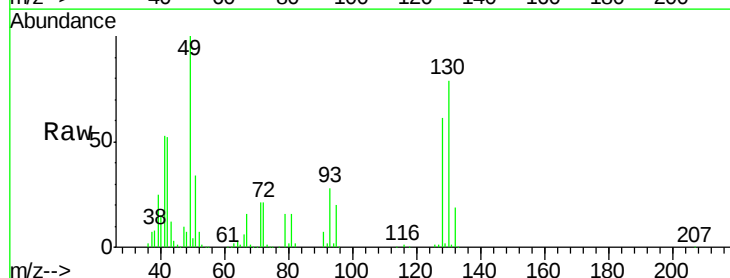
Tgt Ion: 49 Resp: 383546

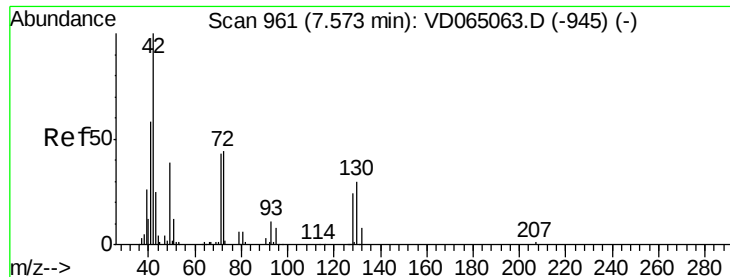
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 80.4 63.8 95.8





#29

Tetrahydrofuran

Concen: 474.43 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

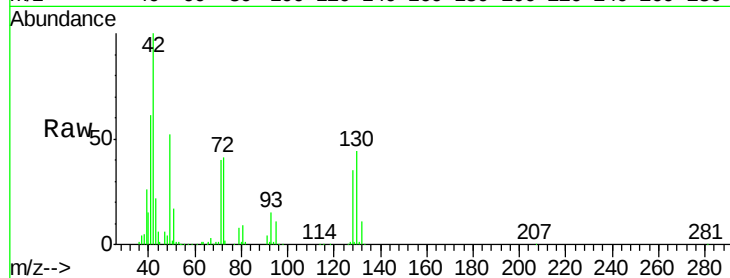
Tgt Ion: 42 Resp: 462547

Ion Ratio Lower Upper

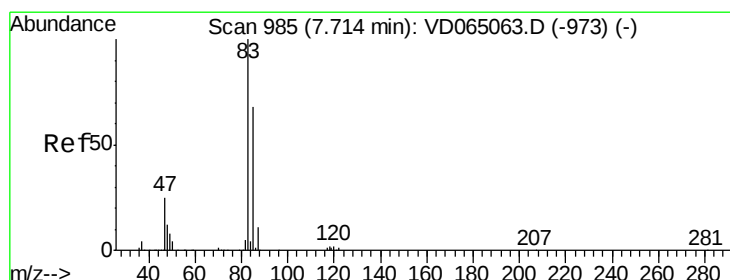
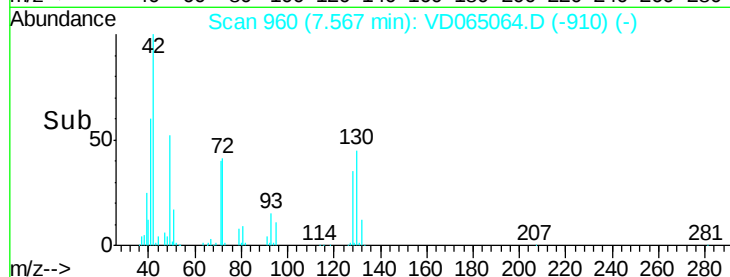
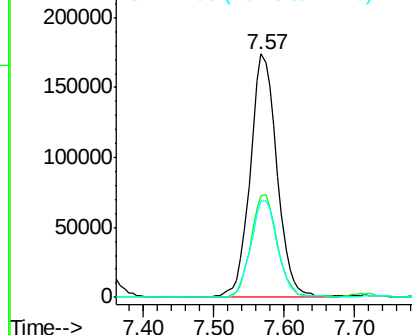
42 100

72 41.4 34.2 51.4

71 39.7 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 91.19 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065064.D

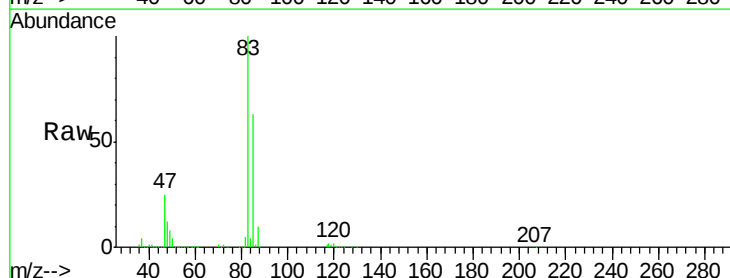
Acq: 05 Feb 2020 15:03

Tgt Ion: 83 Resp: 984031

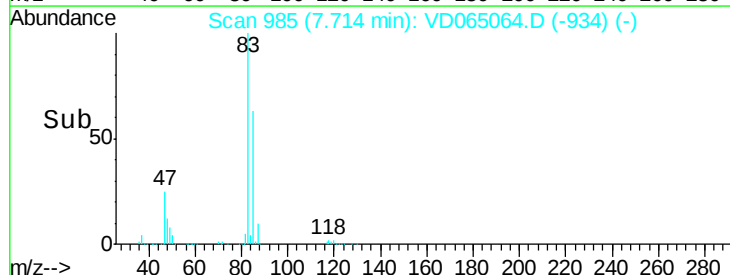
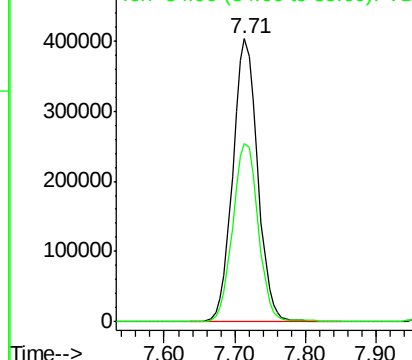
Ion Ratio Lower Upper

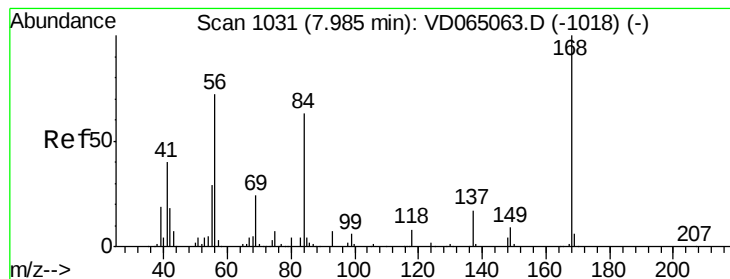
83 100

85 63.0 54.2 81.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 94.68 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

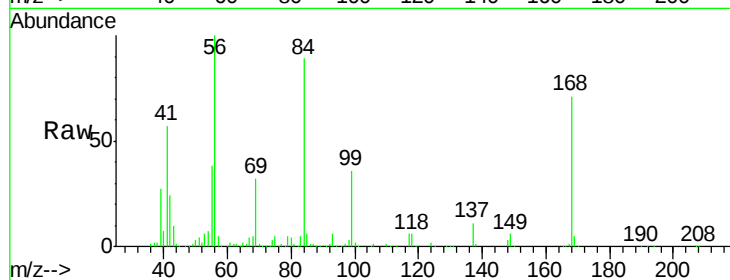
Tgt Ion: 56 Resp: 982994

Ion Ratio Lower Upper

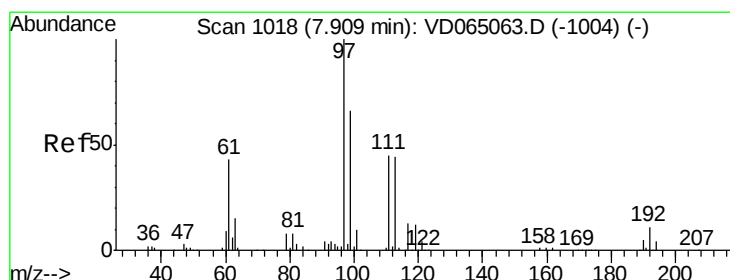
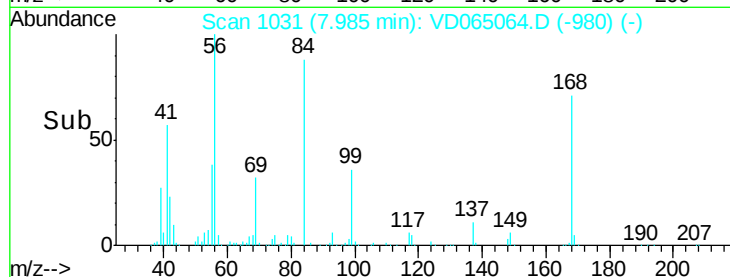
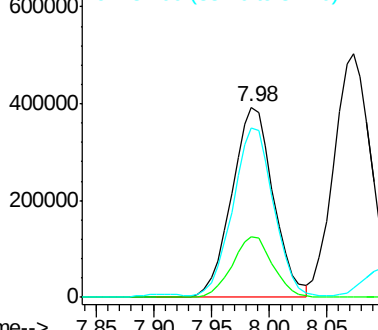
56 100

69 32.1 26.6 40.0

84 87.2 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 93.34 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

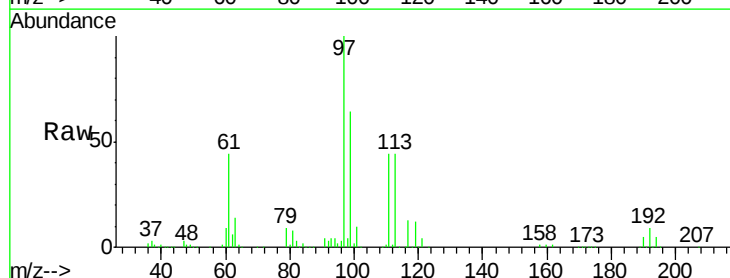
Tgt Ion: 97 Resp: 937670

Ion Ratio Lower Upper

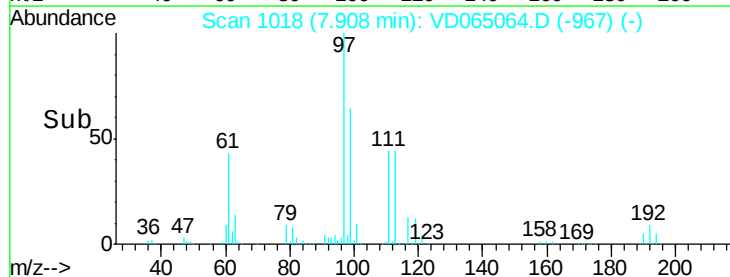
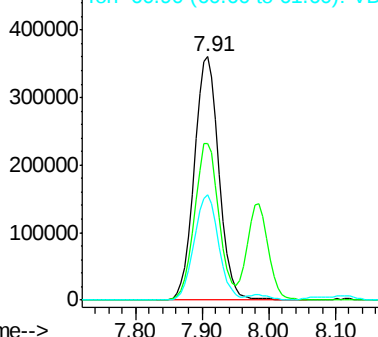
97 100

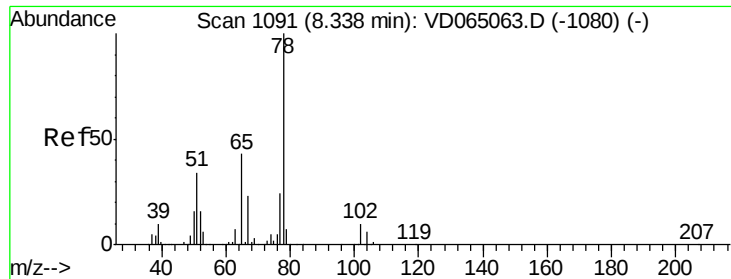
99 63.9 51.5 77.3

61 43.2 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 90.89 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

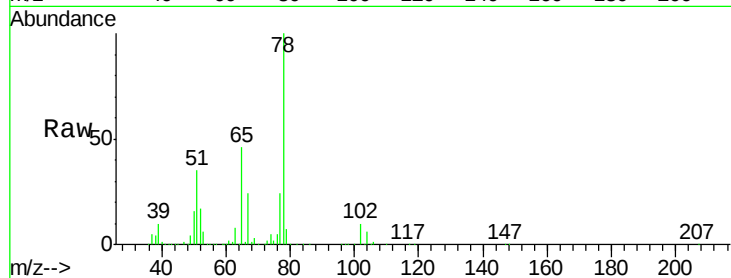
VSTDIC100

Tgt Ion: 65 Resp: 527219

Ion Ratio Lower Upper

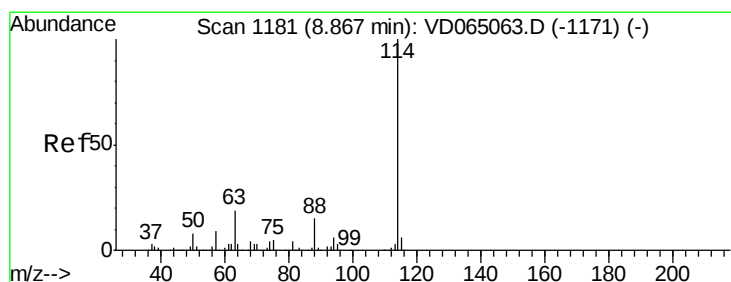
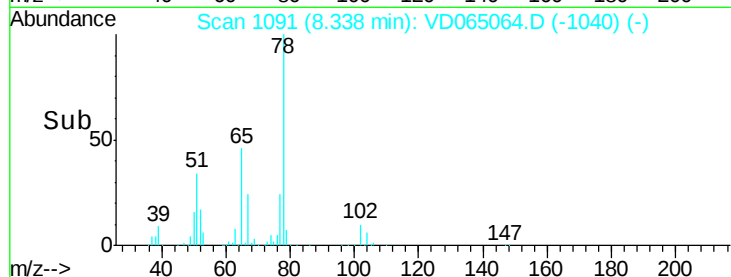
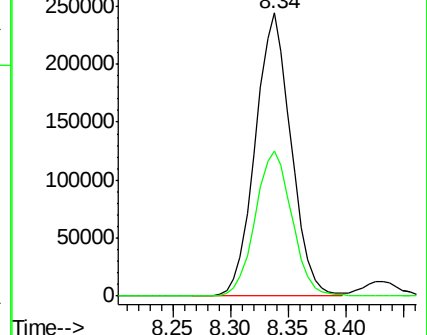
65 100

67 52.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

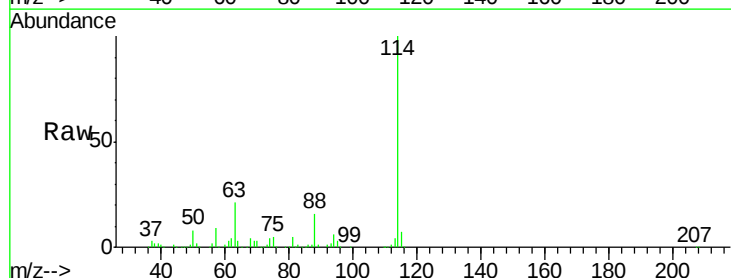
Tgt Ion: 114 Resp: 872221

Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.8

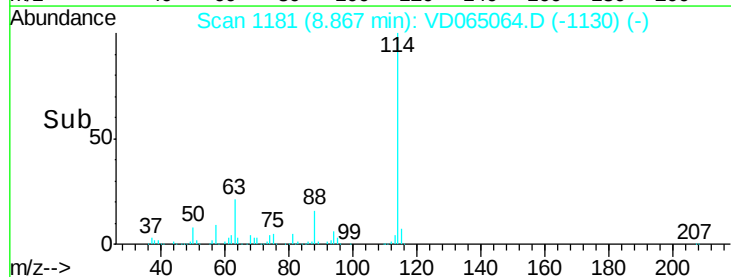
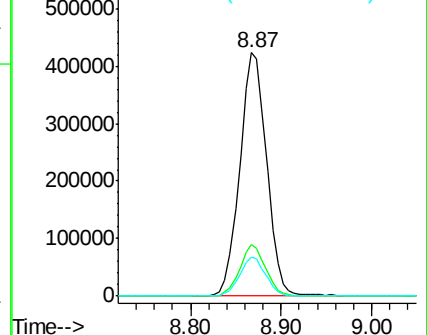
88 15.8 0.0 29.6

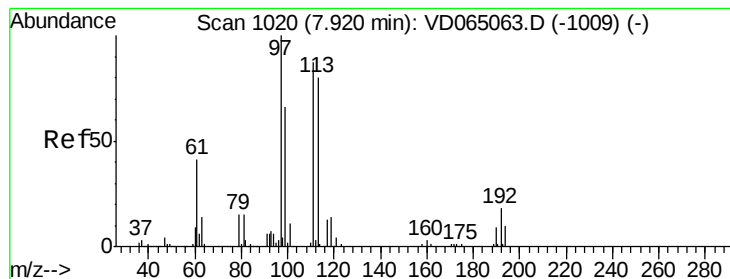


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 95.89 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

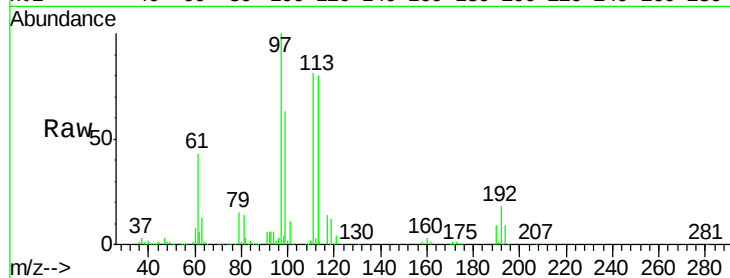
Tgt Ion: 113 Resp: 516049

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

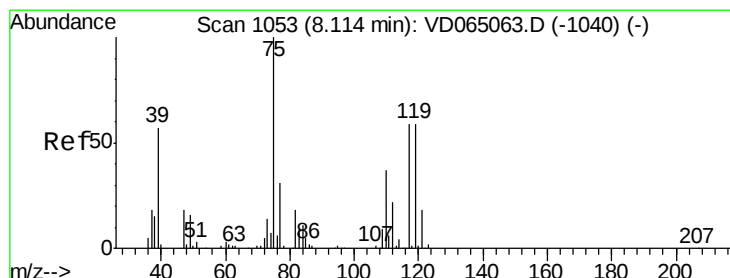
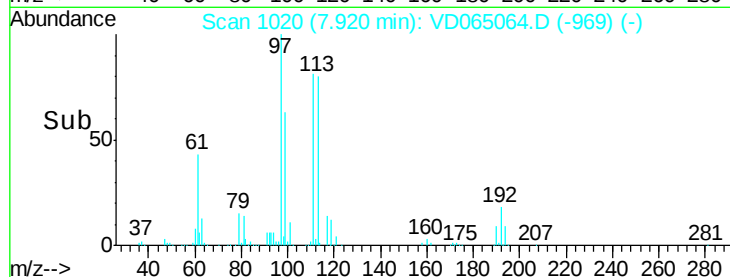
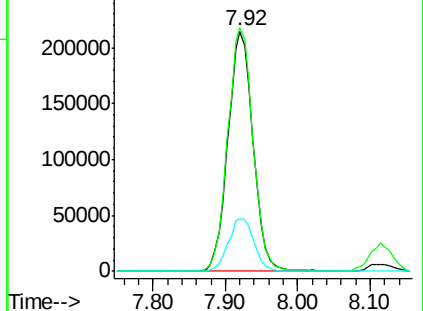
192 22.6 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 98.79 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

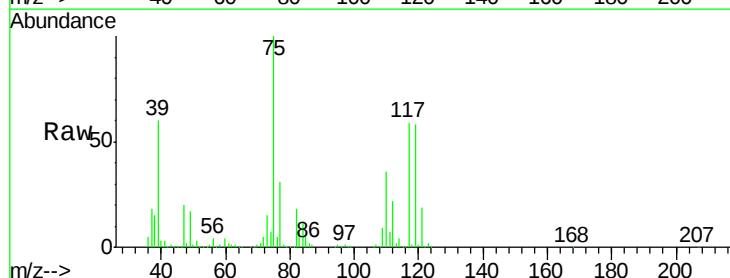
Tgt Ion: 75 Resp: 829496

Ion Ratio Lower Upper

75 100

110 35.7 18.1 54.3

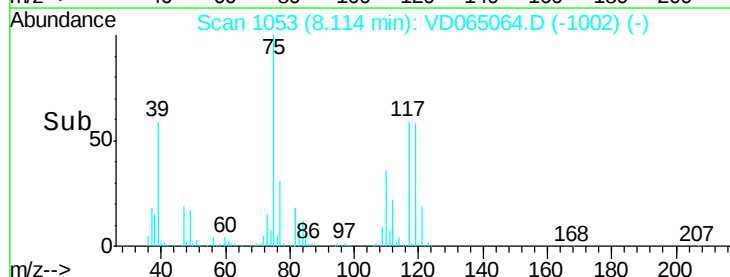
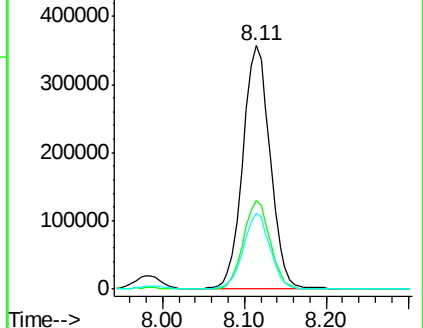
77 30.8 24.7 37.1

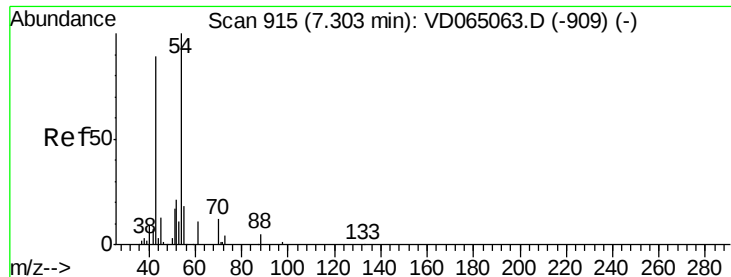


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

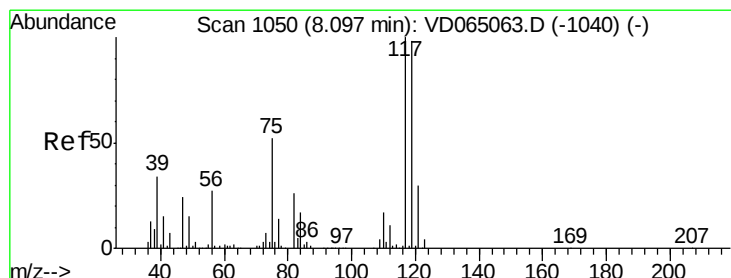
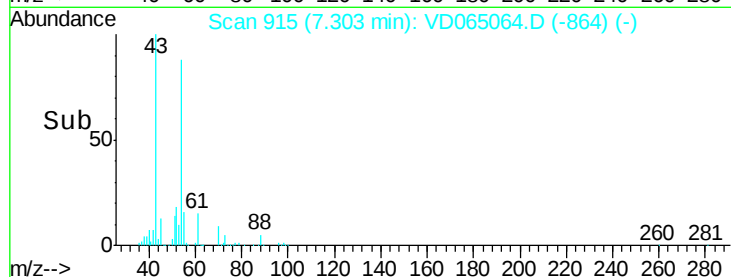
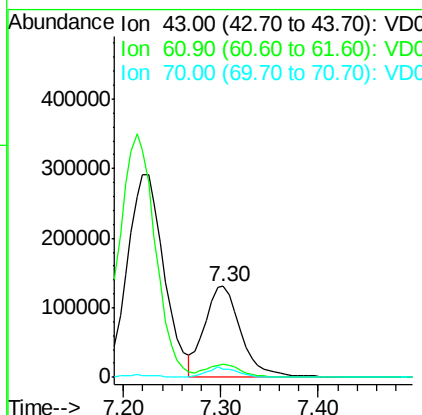
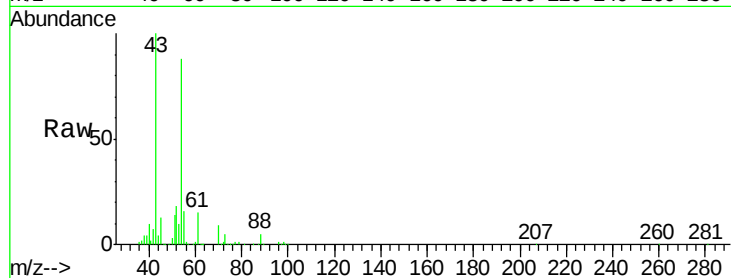




#37
 Ethyl Acetate
 Concen: 96.23 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

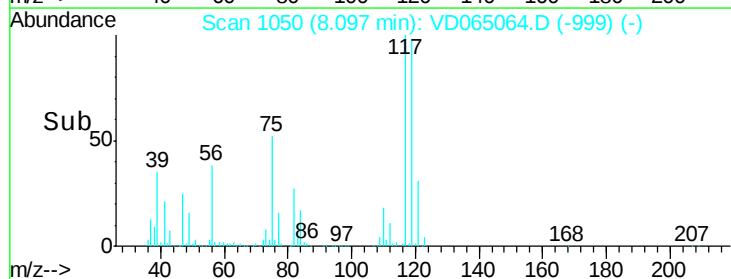
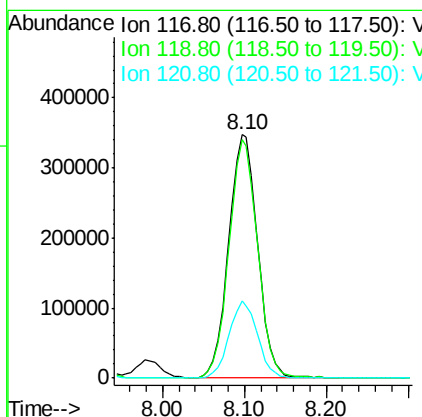
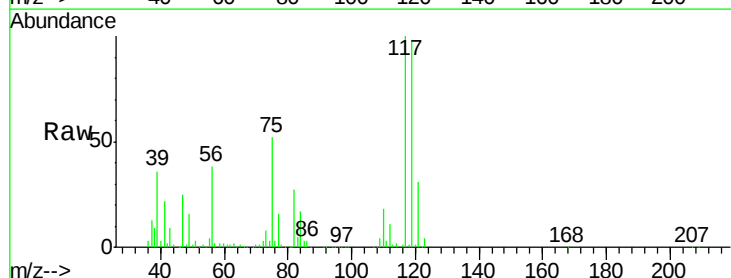
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

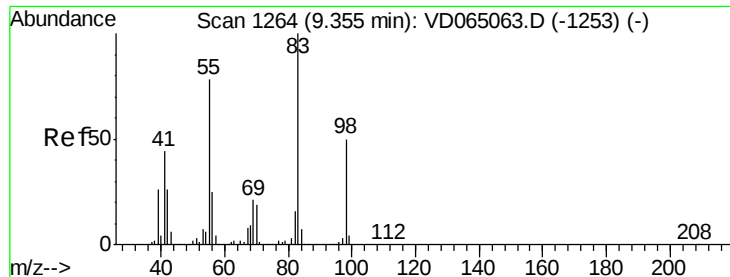
Tgt Ion: 43 Resp: 332524
 Ion Ratio Lower Upper
 43 100
 61 13.5 11.0 16.4
 70 9.9 8.2 12.2



#38
 Carbon Tetrachloride
 Concen: 96.82 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion: 117 Resp: 853058
 Ion Ratio Lower Upper
 117 100
 119 97.9 78.5 117.7
 121 31.5 23.8 35.6

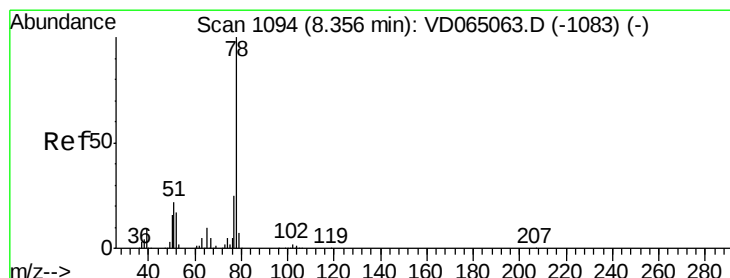
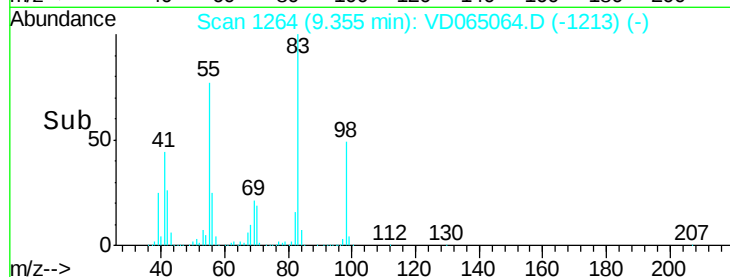
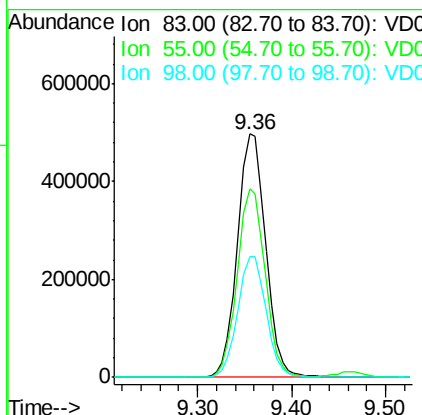
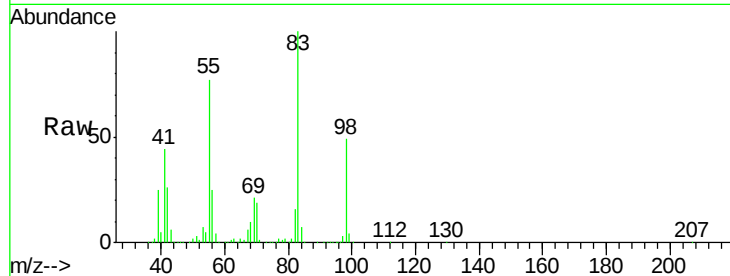




#39
Methylcyclohexane
Concen: 105.13 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

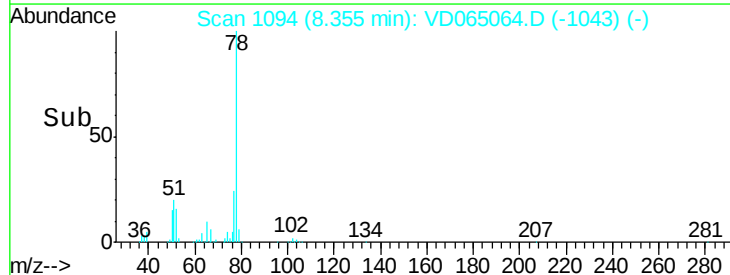
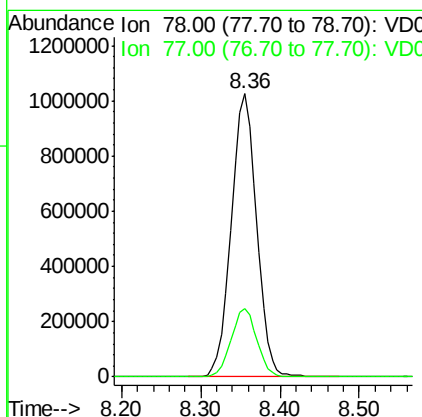
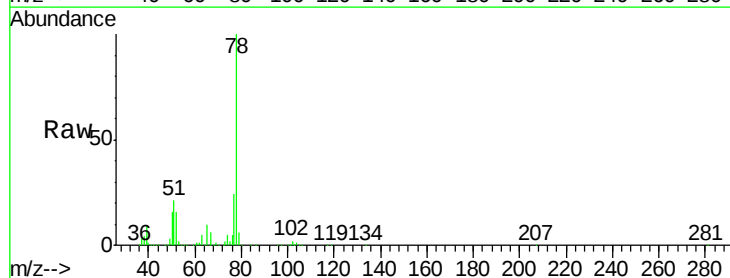
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

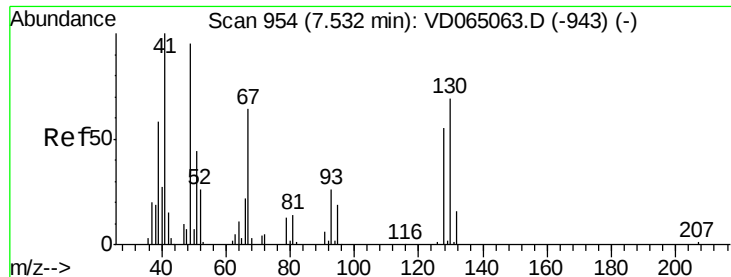
Tgt Ion: 83 Resp: 1040775
Ion Ratio Lower Upper
83 100
55 77.3 62.0 93.0
98 49.4 39.9 59.9



#40
Benzene
Concen: 98.46 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 78 Resp: 2274836
Ion Ratio Lower Upper
78 100
77 24.2 19.6 29.4

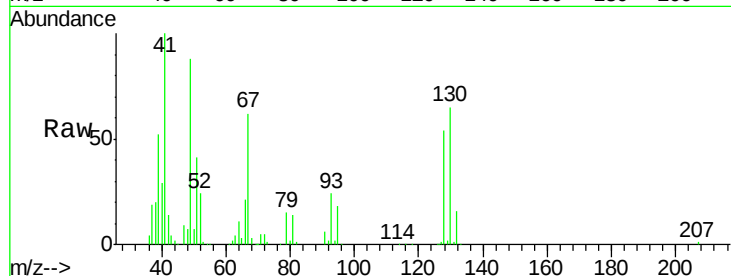




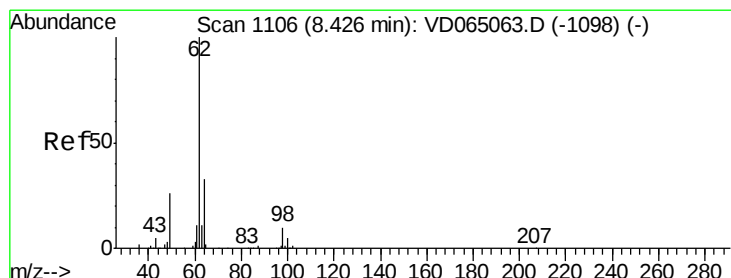
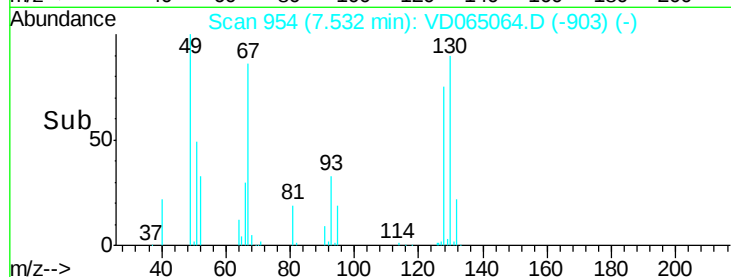
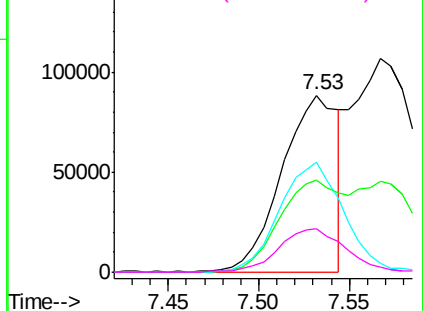
#41
Methacrylonitrile
Concen: 104.42 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	189952
Ion	Ratio	Lower	Upper
41	100		
39	60.9	55.4	83.0
67	71.7	59.0	88.6
52	29.9	25.4	38.0

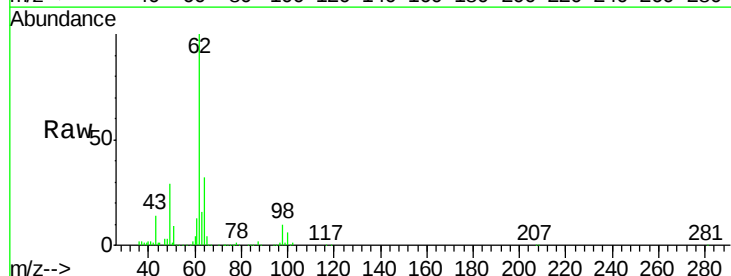


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

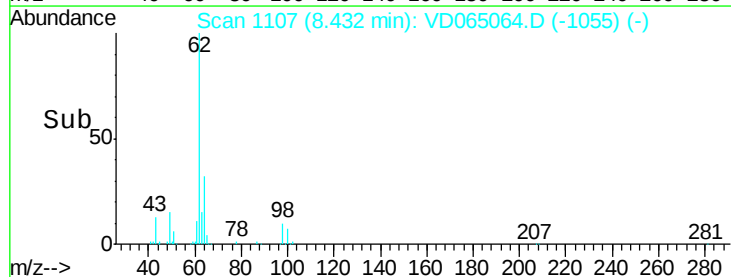
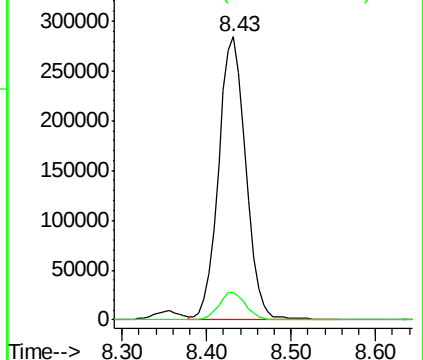


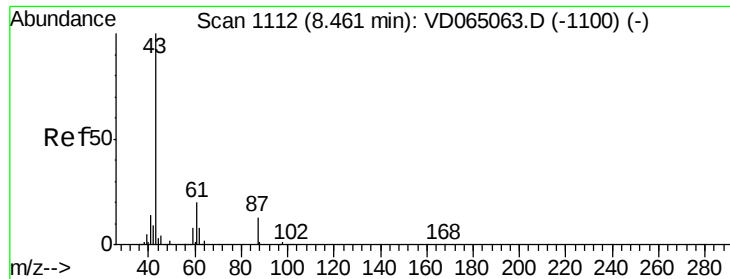
#42
1,2-Dichloroethane
Concen: 92.67 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion:	62	Resp:	632964
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 97.85 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

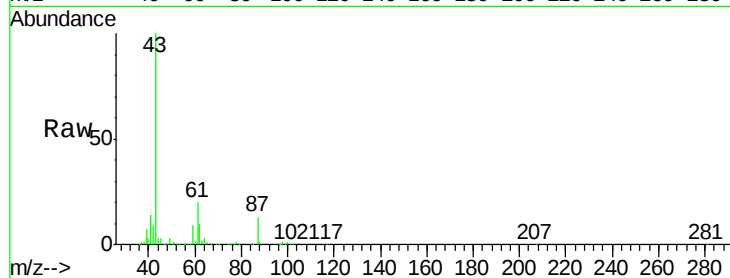
Tgt Ion: 43 Resp: 642048

Ion Ratio Lower Upper

43 100

61 30.0 24.0 36.0

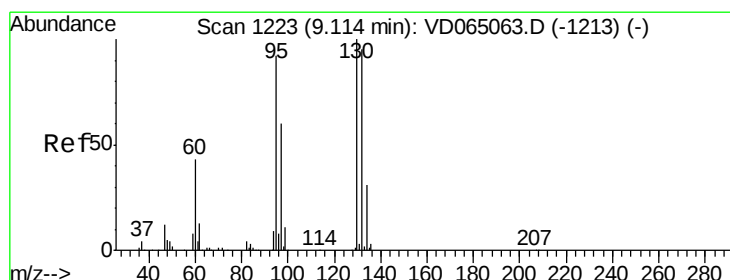
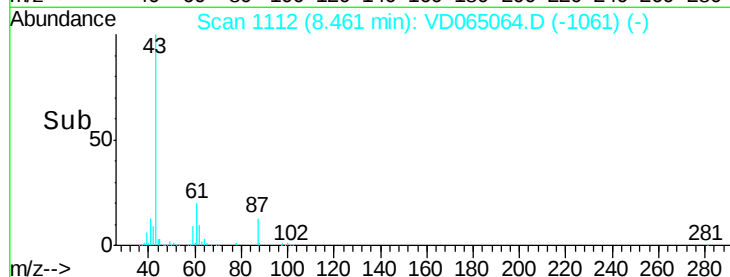
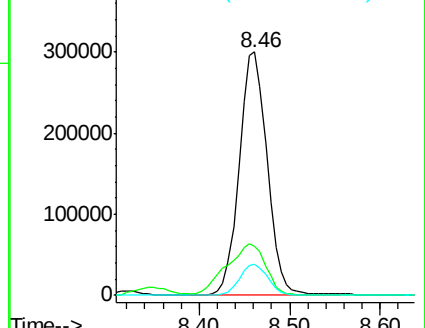
87 13.0 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 98.45 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065064.D

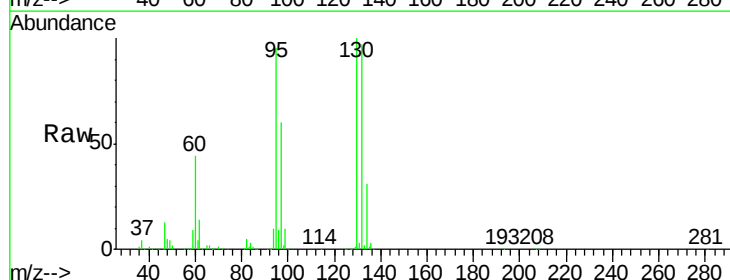
Acq: 05 Feb 2020 15:03

Tgt Ion: 130 Resp: 640705

Ion Ratio Lower Upper

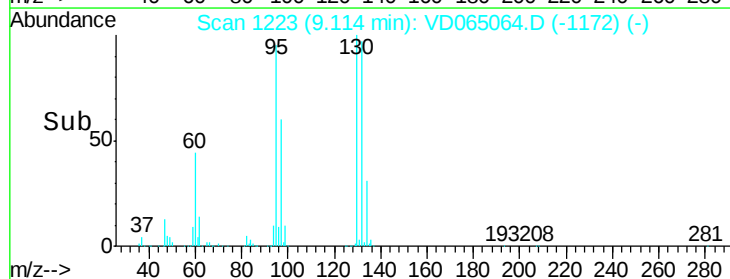
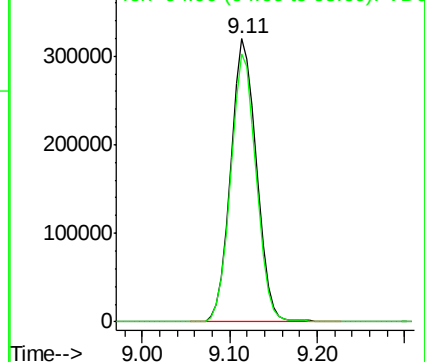
130 100

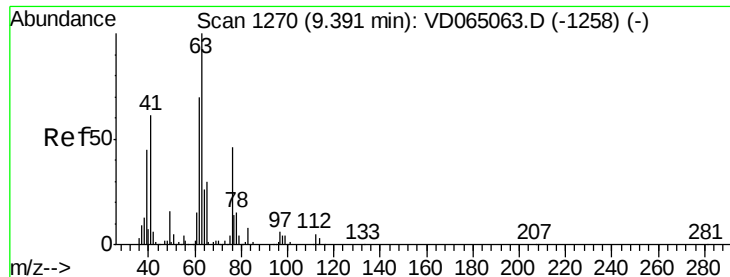
95 94.5 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

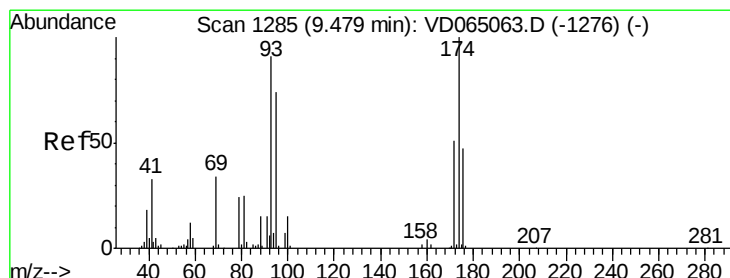
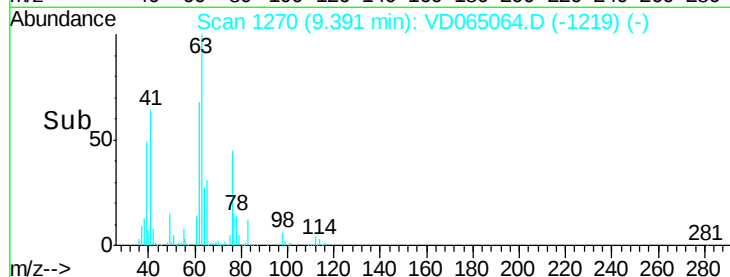
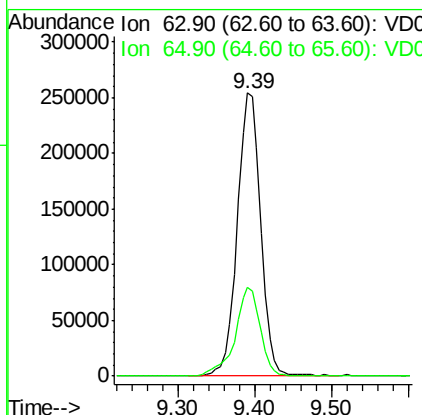
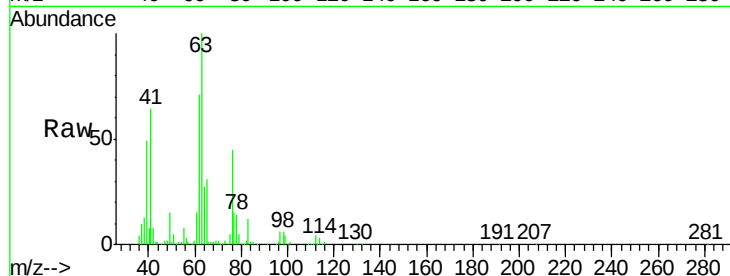




#45
 1,2-Dichloropropane
 Concen: 96.80 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

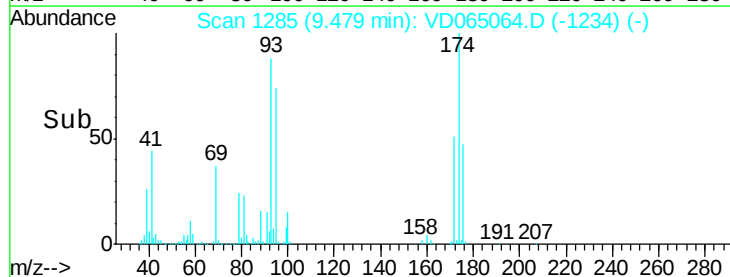
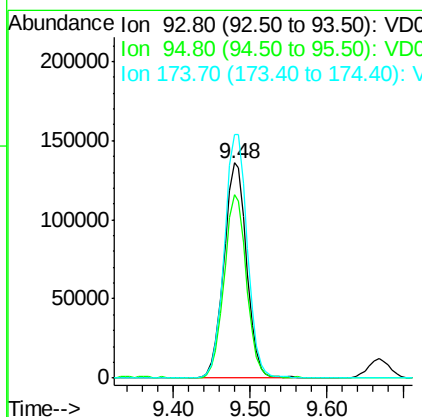
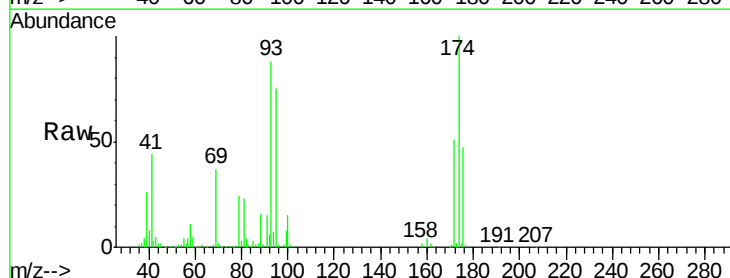
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

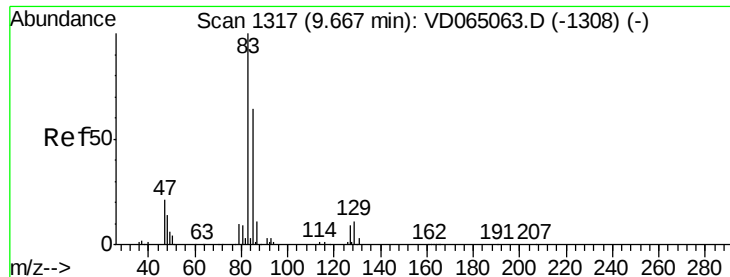
Tgt Ion: 63 Resp: 543492
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.9 35.9



#46
 Dibromomethane
 Concen: 92.18 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion: 93 Resp: 280368
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 114.5 89.8 134.8





#47

Bromodichloromethane

Concen: 94.93 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

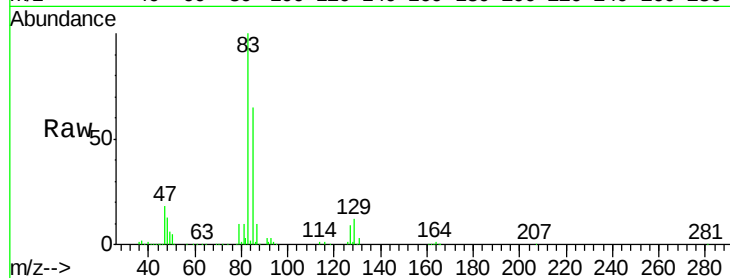
Tgt Ion: 83 Resp: 751620

Ion Ratio Lower Upper

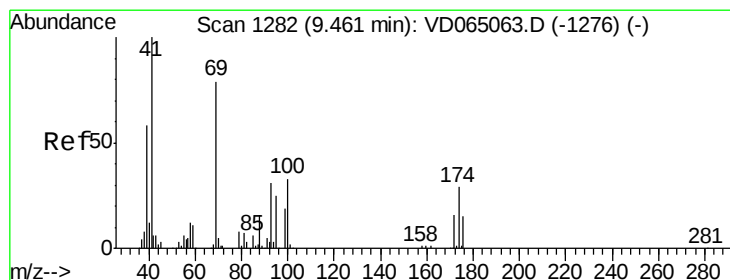
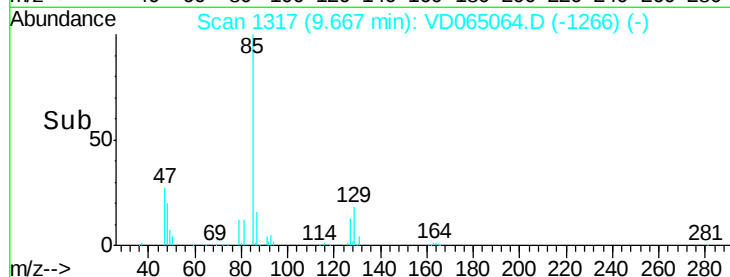
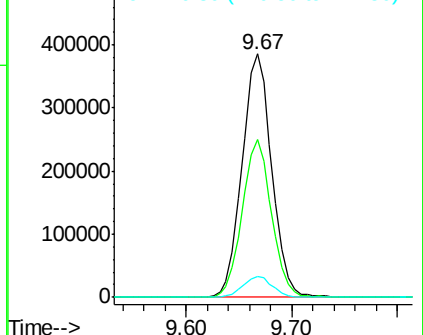
83 100

85 65.0 51.0 76.6

127 8.6 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 101.88 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

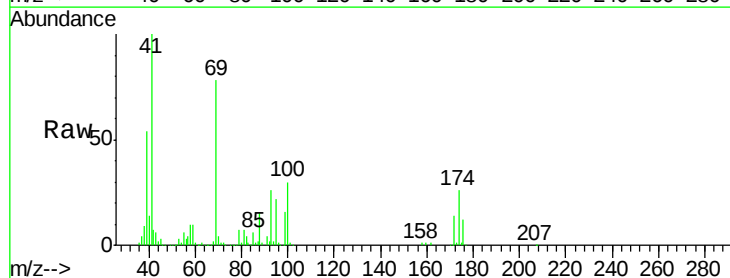
Tgt Ion: 41 Resp: 307637

Ion Ratio Lower Upper

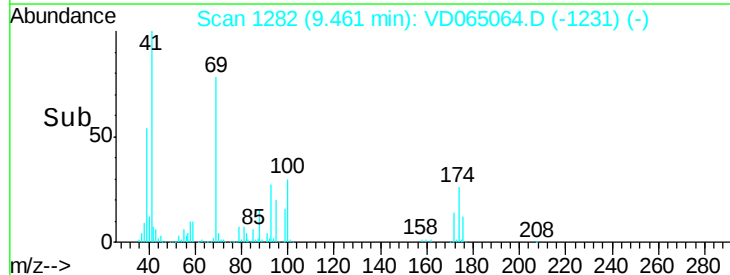
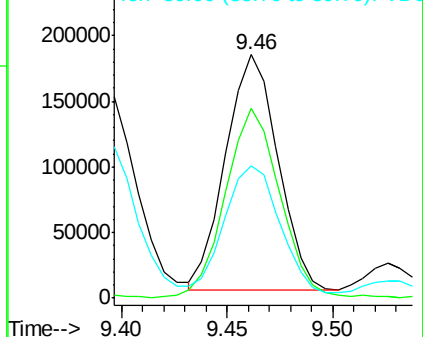
41 100

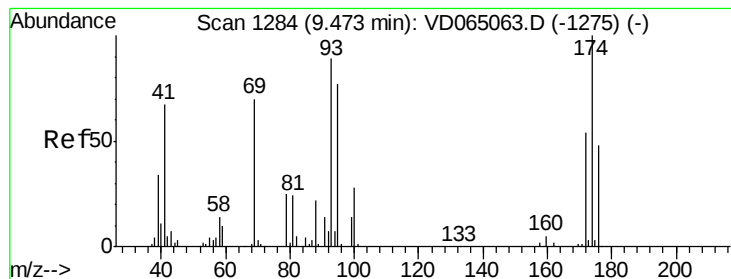
69 83.8 67.5 101.3

39 57.3 47.0 70.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1933.85 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

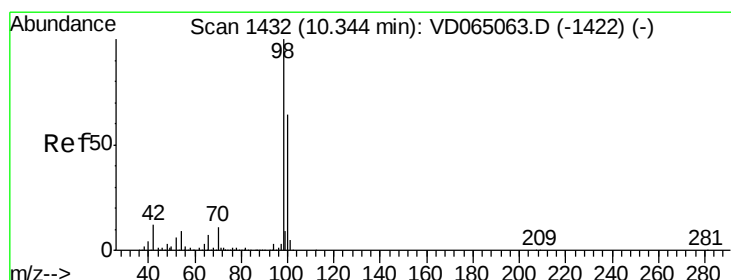
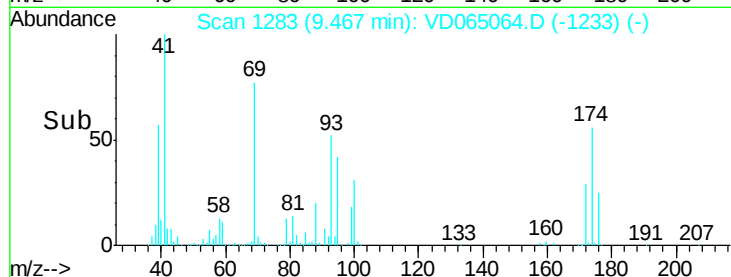
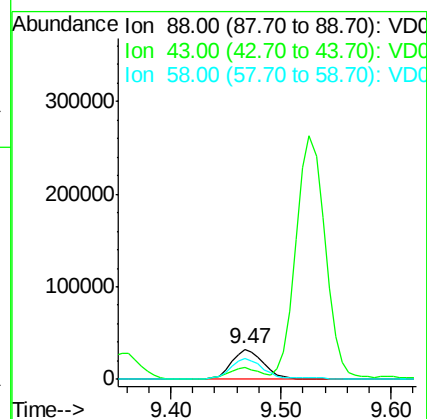
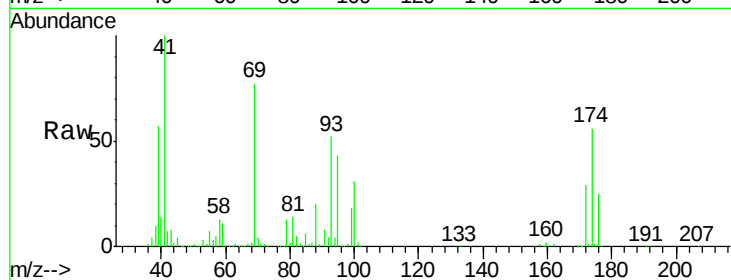
Tgt Ion: 88 Resp: 67591

Ion Ratio Lower Upper

88 100

43 35.0 27.7 41.5

58 72.5 55.5 83.3



#50

Toluene-d8

Concen: 99.48 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065064.D

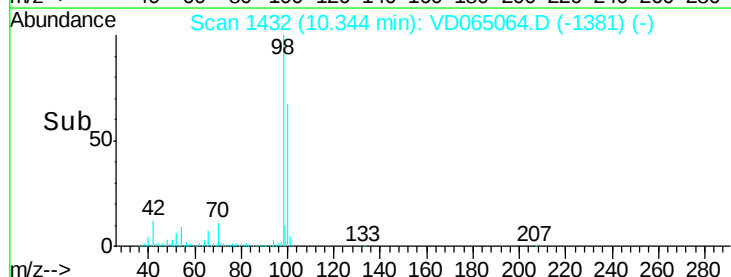
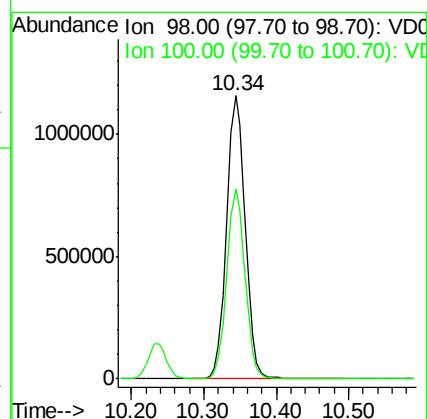
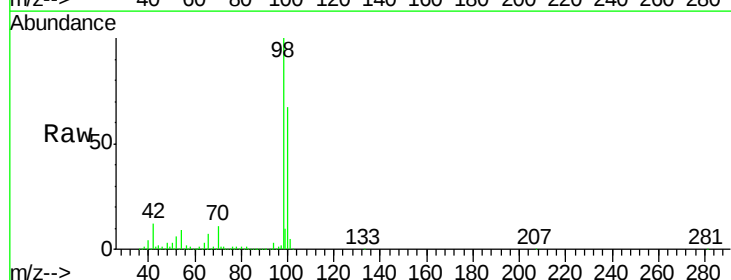
Acq: 05 Feb 2020 15:03

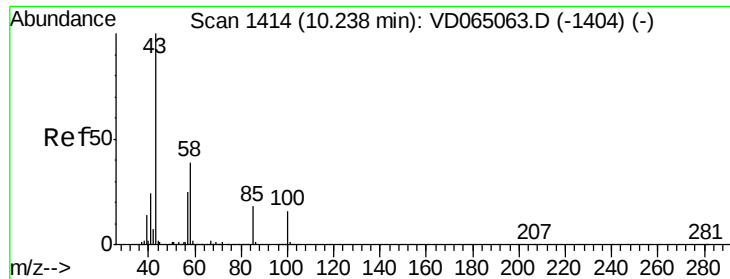
Tgt Ion: 98 Resp: 2072548

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1

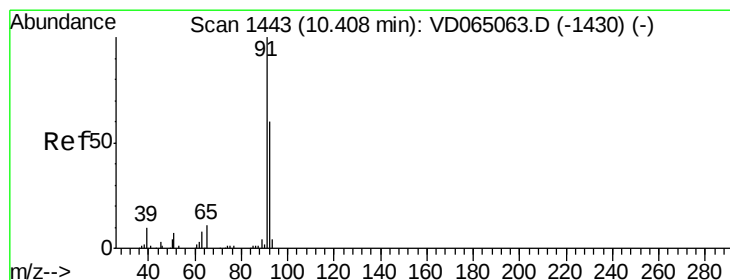
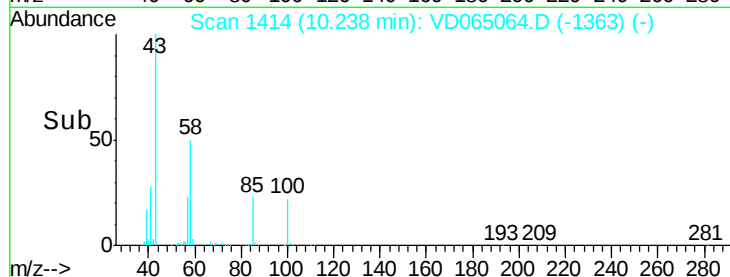
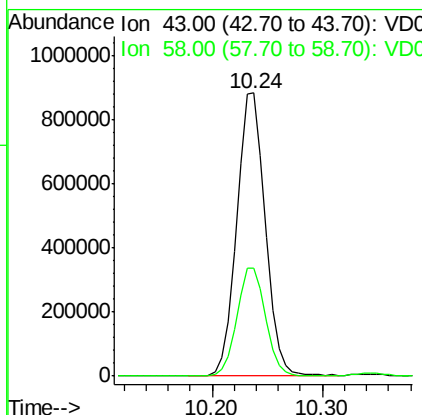
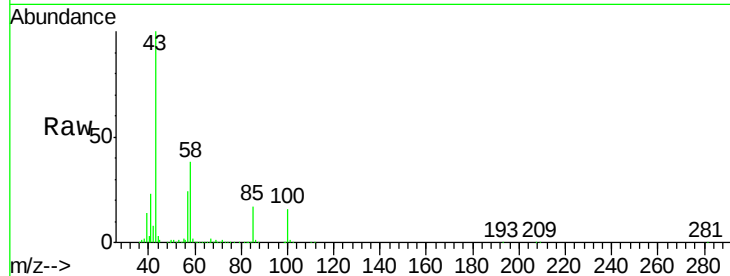




#51
4-Methyl-2-Pentanone
Concen: 493.69 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

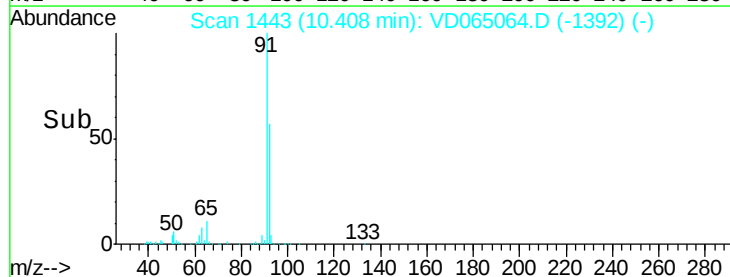
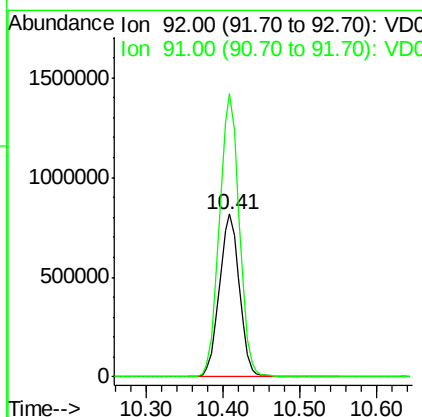
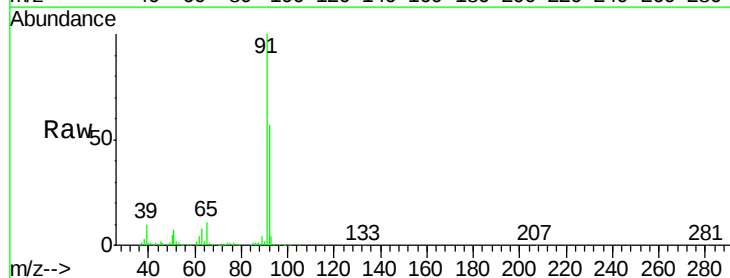
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

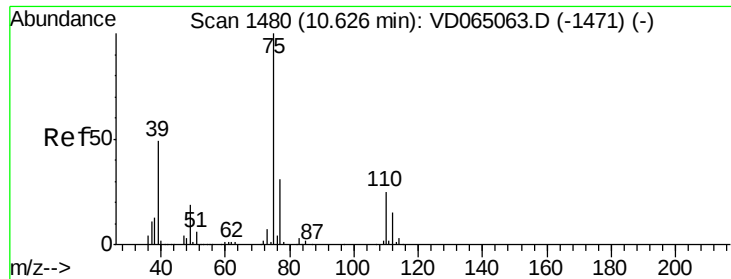
Tgt Ion: 43 Resp: 1610895
Ion Ratio Lower Upper
43 100
58 38.5 30.2 45.2



#52
Toluene
Concen: 98.12 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion: 92 Resp: 1463057
Ion Ratio Lower Upper
92 100
91 173.4 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 98.59 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

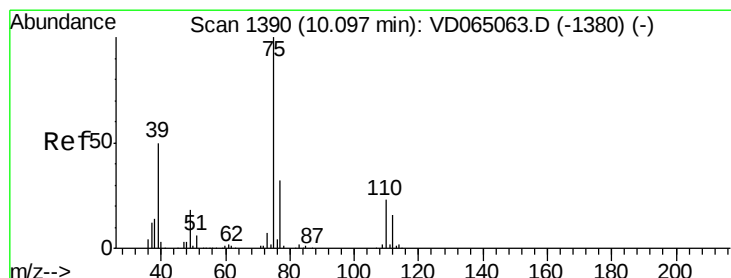
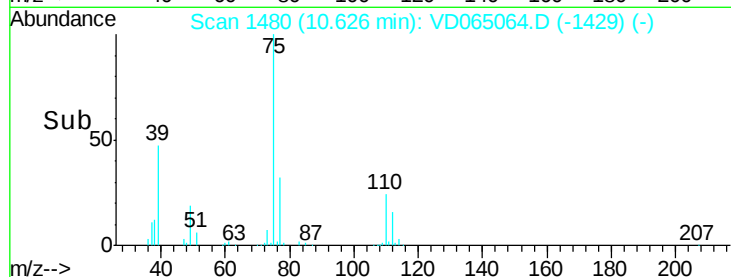
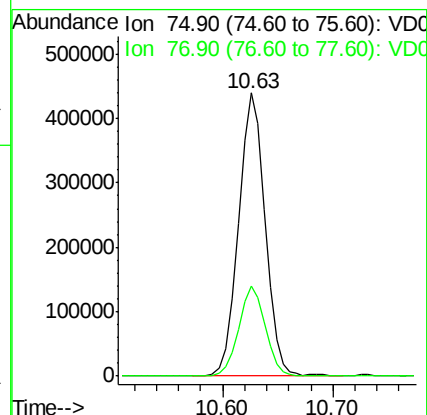
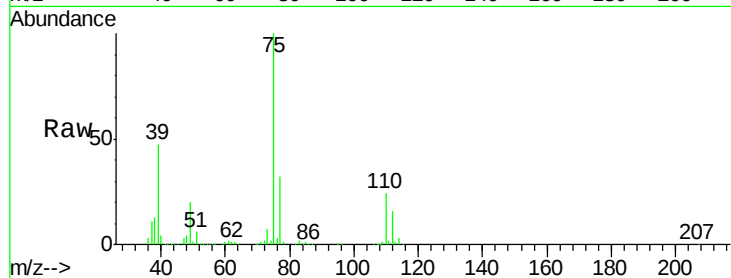
VSTDIC100

Tgt Ion: 75 Resp: 743909

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 99.91 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

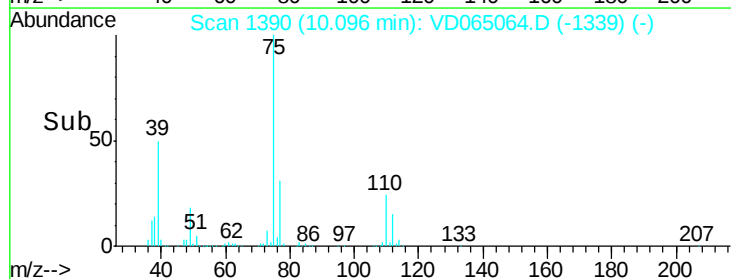
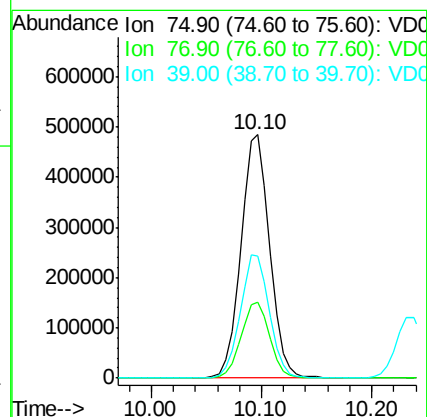
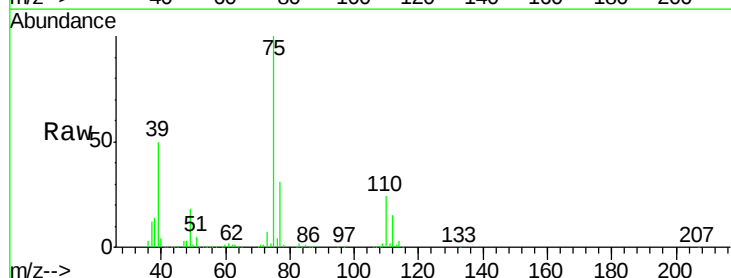
Tgt Ion: 75 Resp: 886252

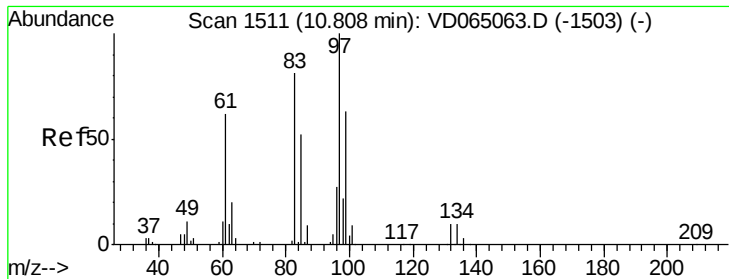
Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

39 50.2 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 94.09 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 385092

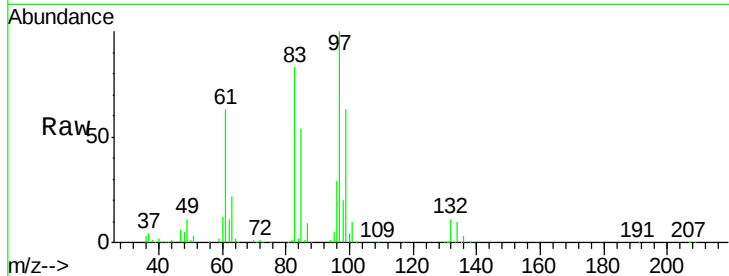
Ion Ratio Lower Upper

97 100

83 82.9 64.8 97.2

85 53.9 41.2 61.8

99 63.3 50.3 75.5

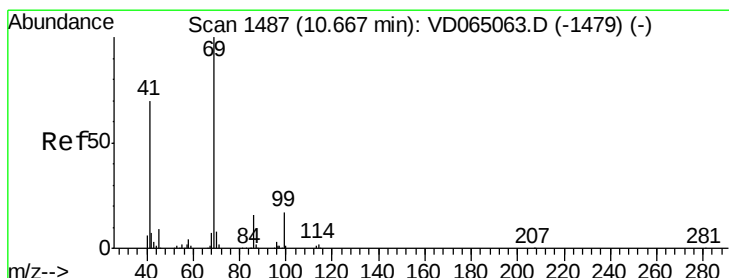
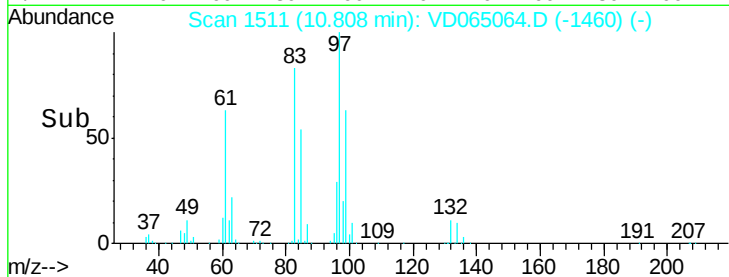
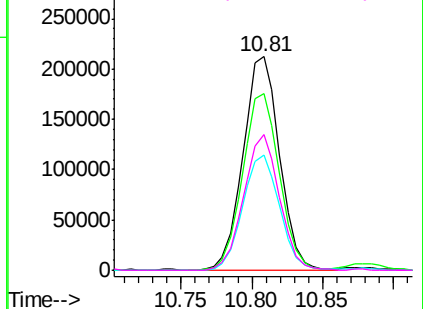


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 104.95 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

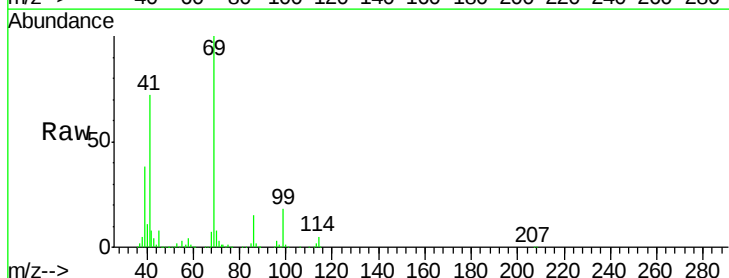
Tgt Ion: 69 Resp: 515410

Ion Ratio Lower Upper

69 100

41 70.5 55.9 83.9

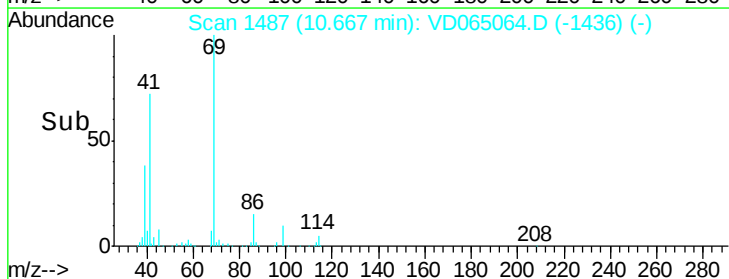
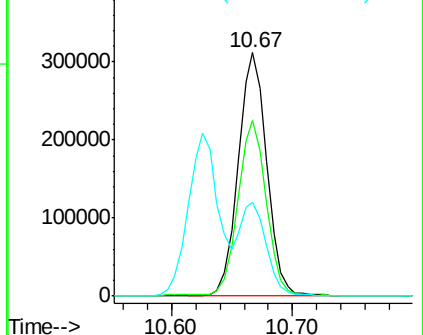
39 35.7 29.4 44.0

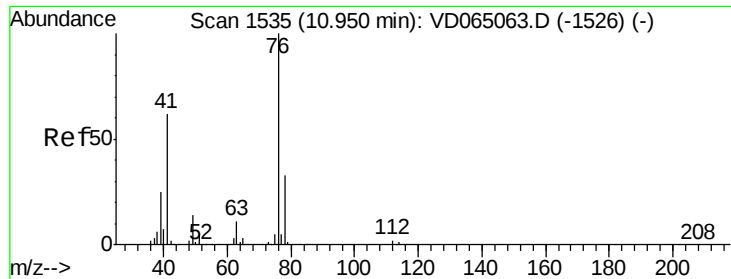


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

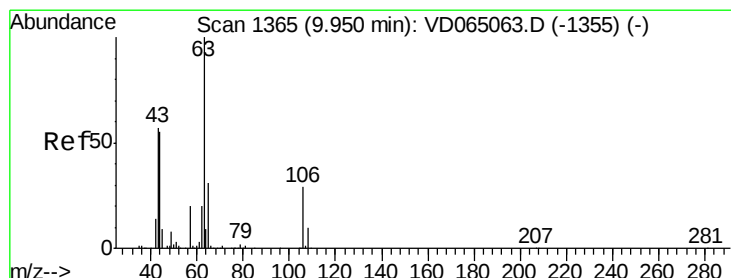
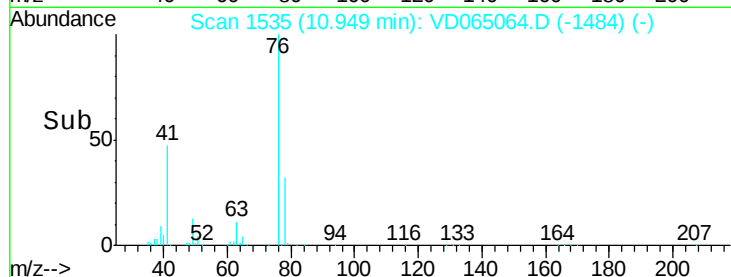
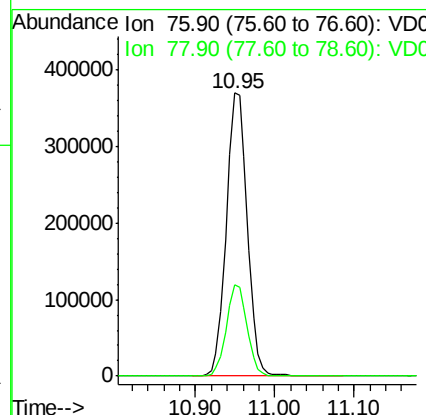
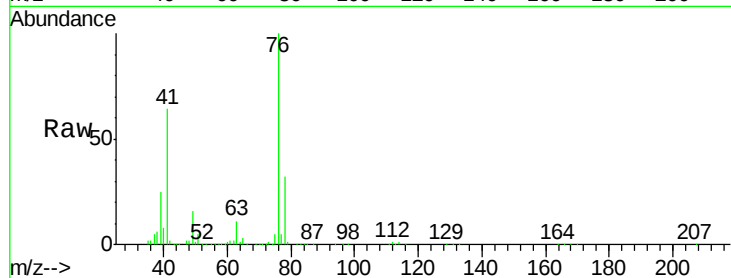




#57
 1,3-Dichloropropane
 Concen: 96.08 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

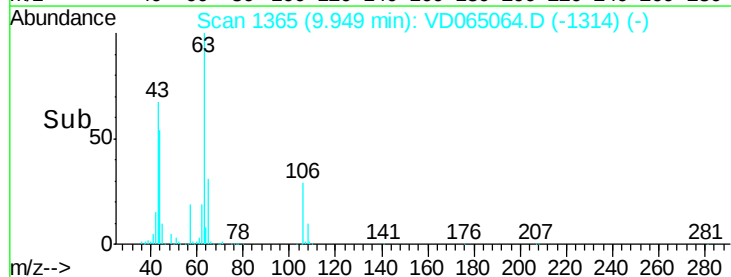
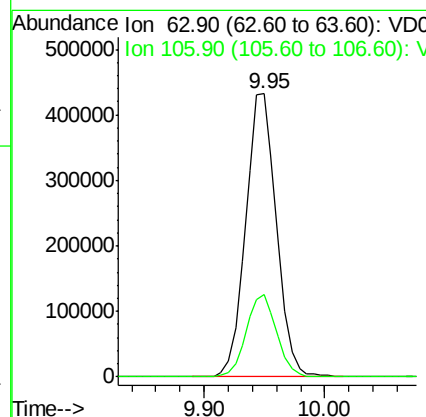
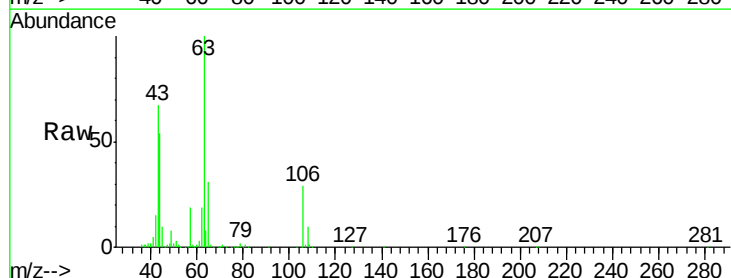
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

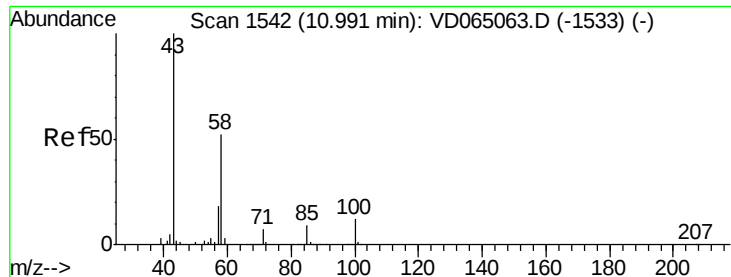
Tgt Ion: 76 Resp: 675711
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 448.59 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion: 63 Resp: 767365
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9





#59

2-Hexanone

Concen: 519.14 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

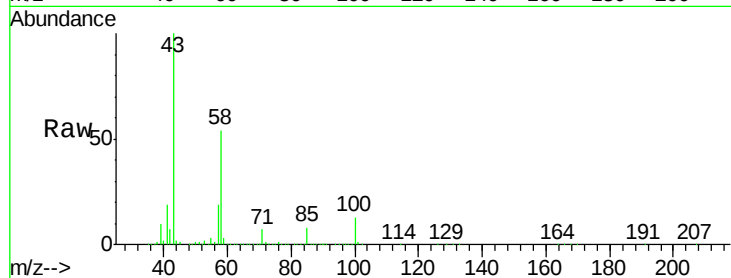
VSTDIC100

Tgt Ion: 43 Resp: 1172420

Ion Ratio Lower Upper

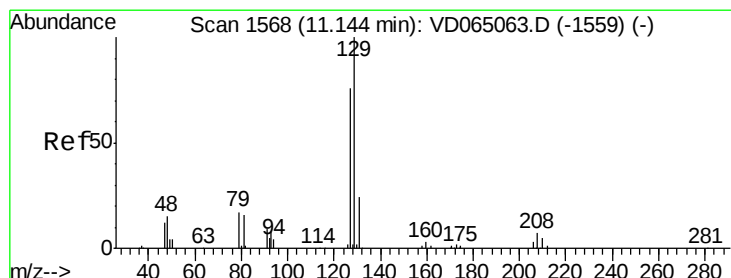
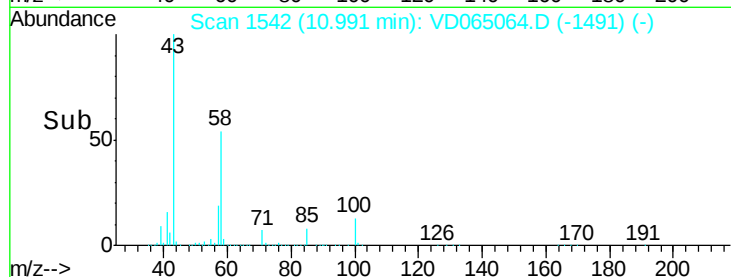
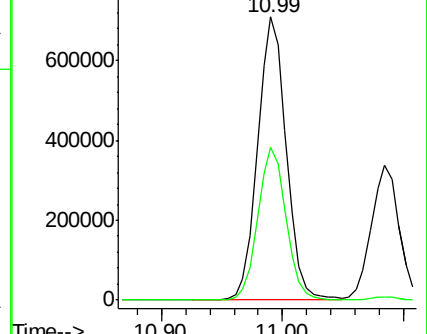
43 100

58 53.2 26.2 78.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 93.21 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VD065064.D

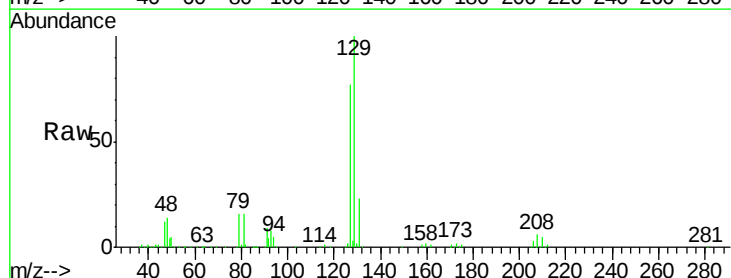
Acq: 05 Feb 2020 15:03

Tgt Ion: 129 Resp: 508326

Ion Ratio Lower Upper

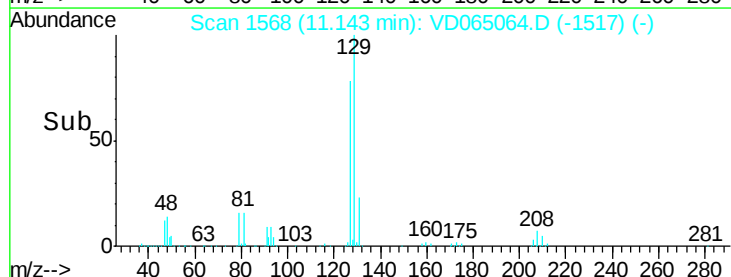
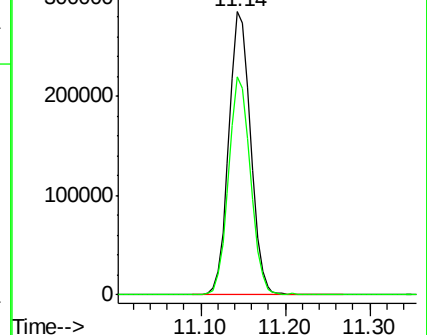
129 100

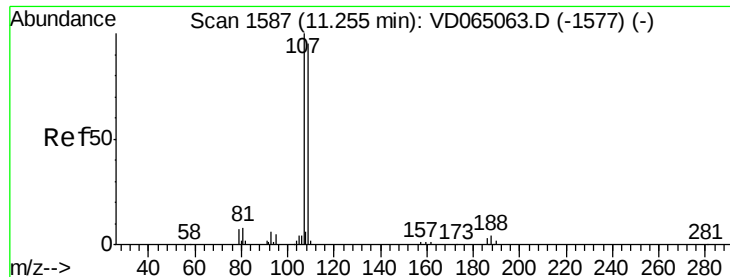
127 77.4 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

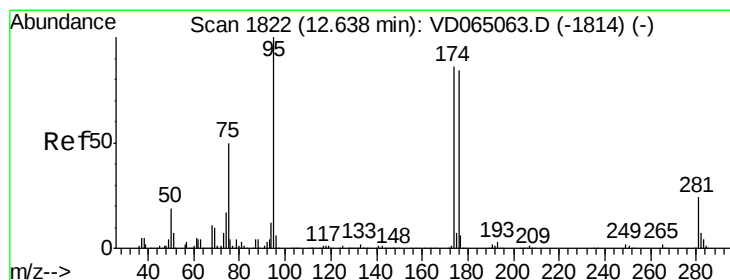
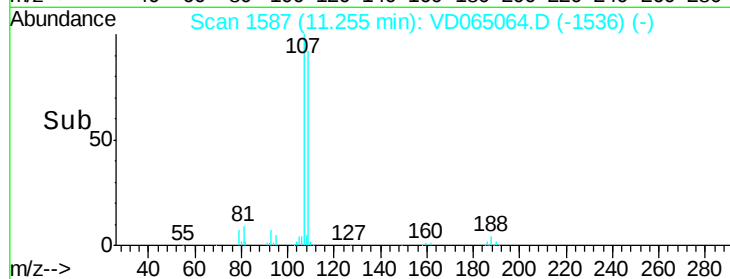
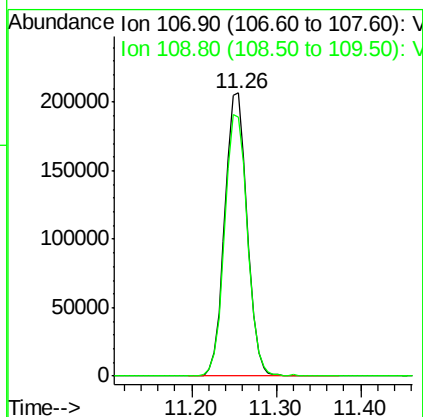
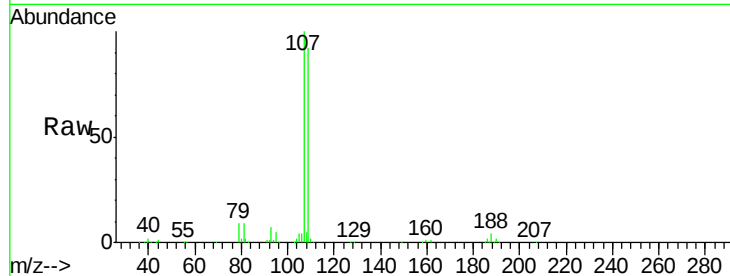




#61
 1,2-Dibromoethane
 Concen: 95.42 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

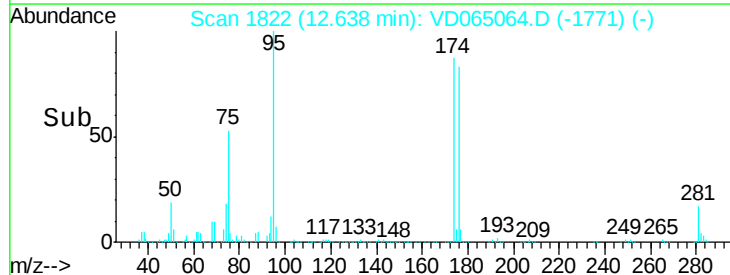
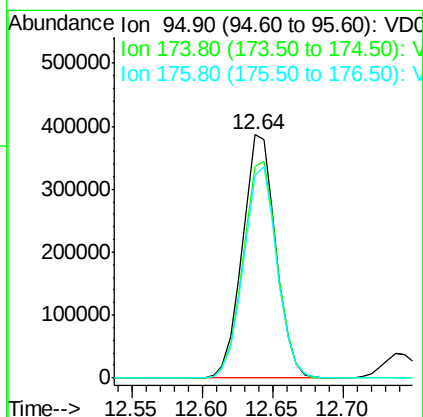
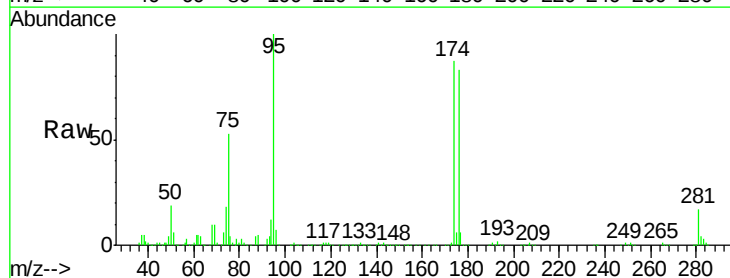
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

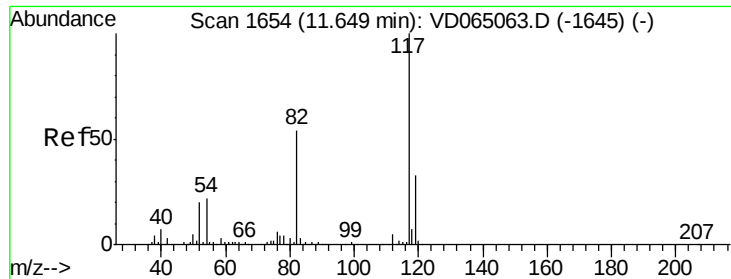
Tgt Ion: 107 Resp: 376880
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 99.70 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion: 95 Resp: 641120
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 180.0
 176 87.2 0.0 173.2

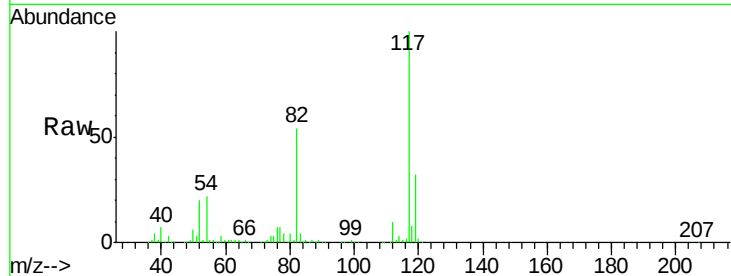




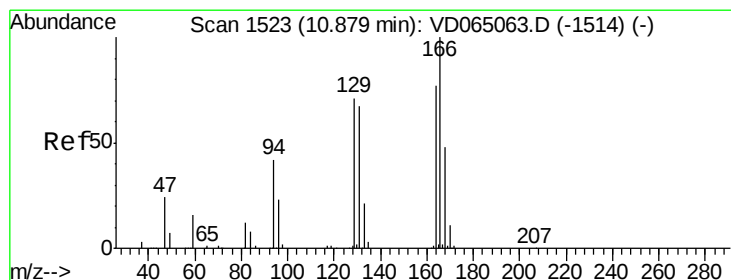
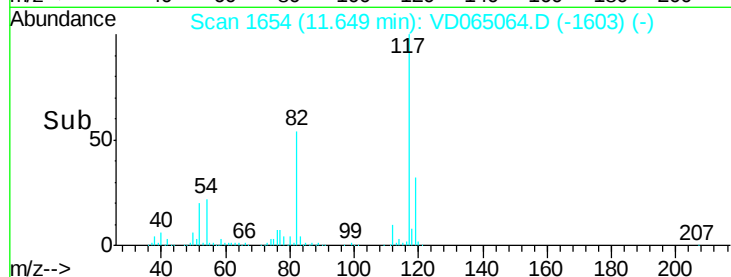
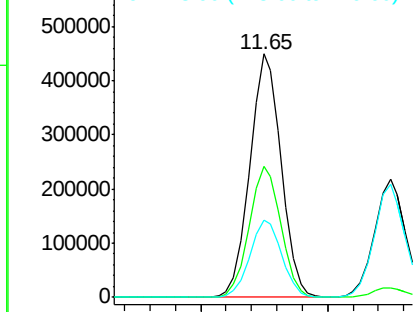
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 774101
Ion Ratio Lower Upper
117 100
82 53.7 43.1 64.7
119 31.9 26.0 39.0

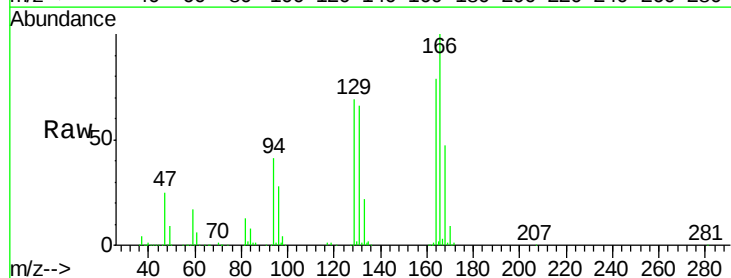


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

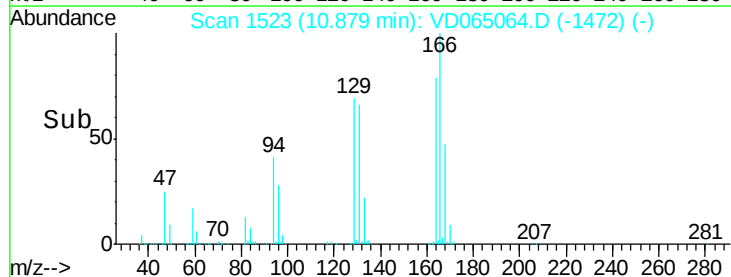
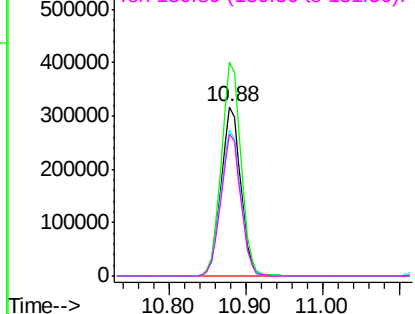


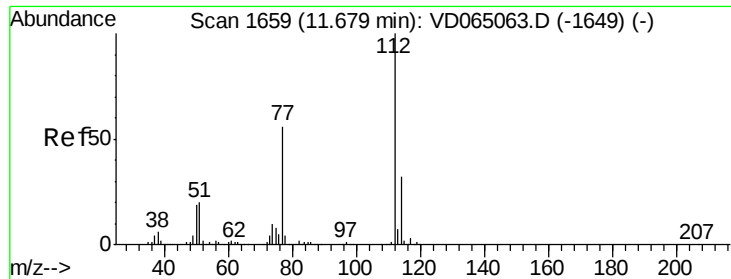
#64
Tetrachloroethene
Concen: 99.91 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion:164 Resp: 560896
Ion Ratio Lower Upper
164 100
166 126.2 103.5 155.3
129 86.5 73.3 109.9
131 83.8 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

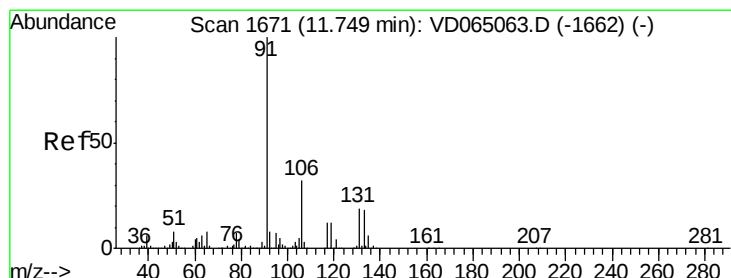
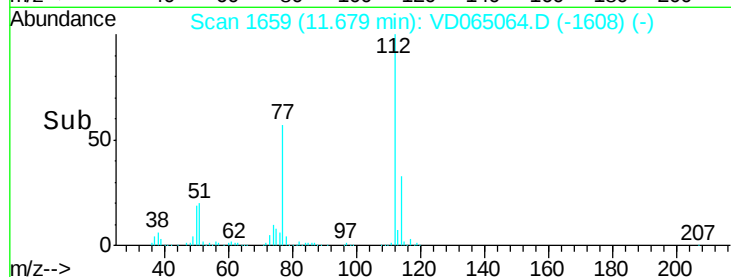
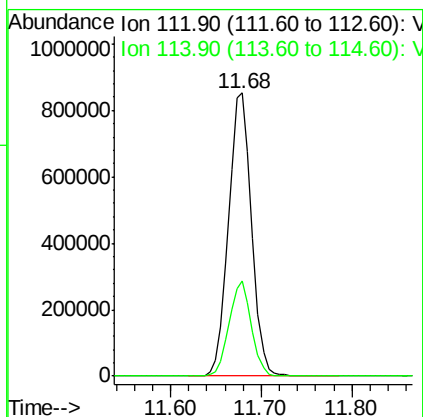
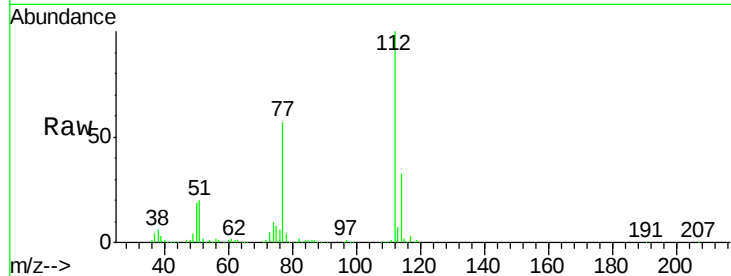




#65
Chlorobenzene
Concen: 95.25 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

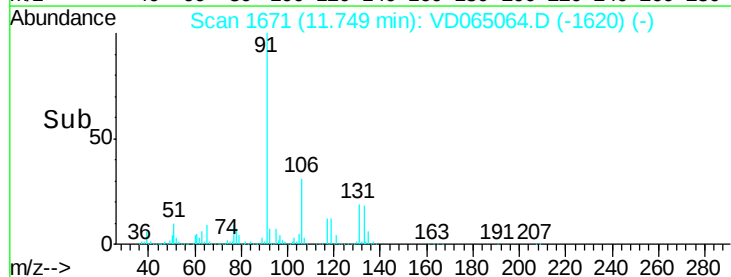
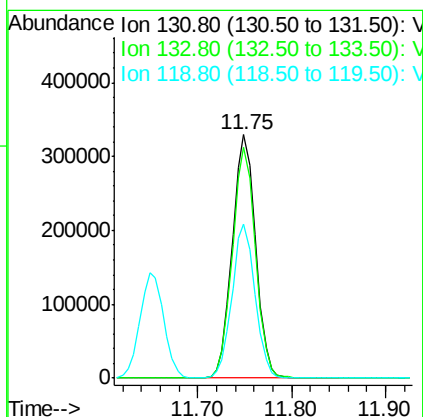
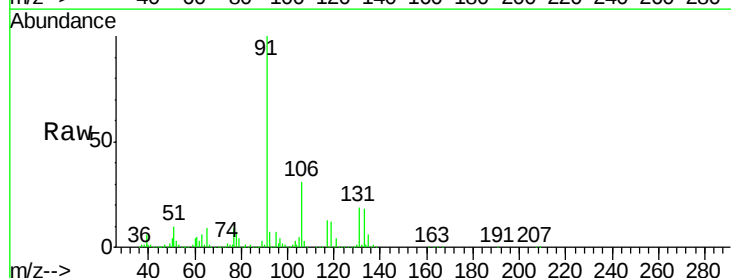
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

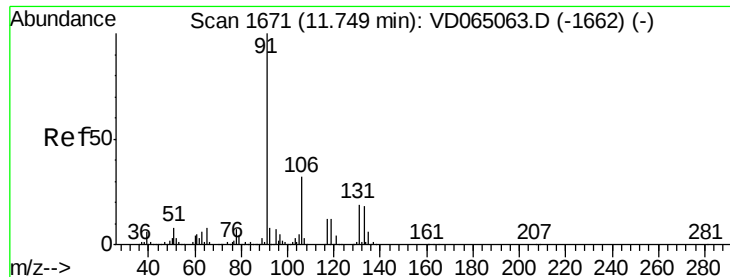
Tgt Ion:112 Resp: 1500562
Ion Ratio Lower Upper
112 100
114 33.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 96.12 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion:131 Resp: 566923
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 62.8 31.3 93.8





#67

Ethyl Benzene

Concen: 100.55 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

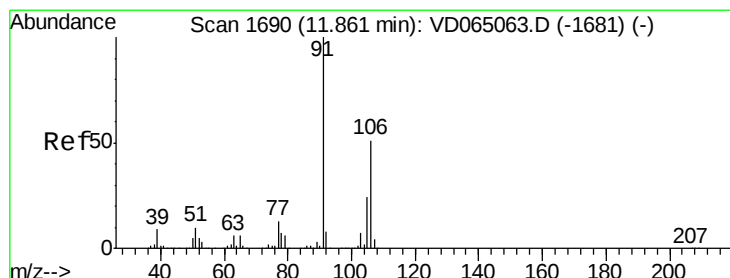
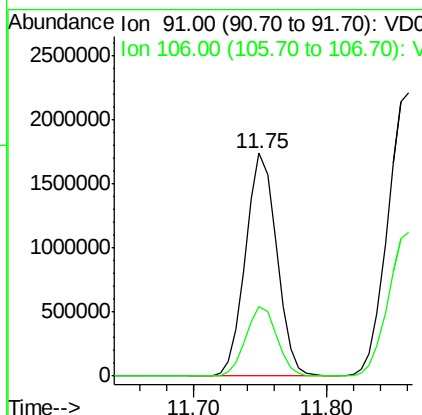
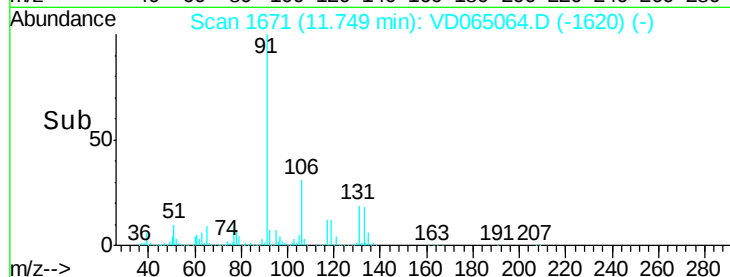
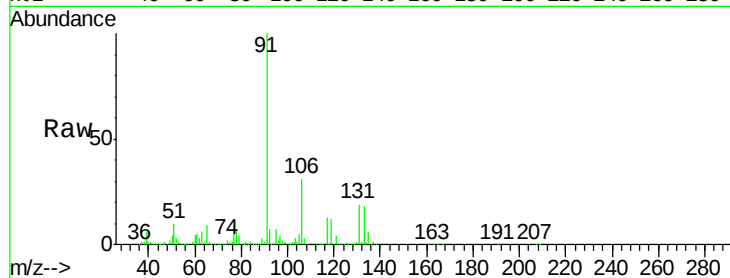
VSTDIC100

Tgt Ion: 91 Resp: 2807943

Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.2



#68

m/p-Xylenes

Concen: 197.80 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065064.D

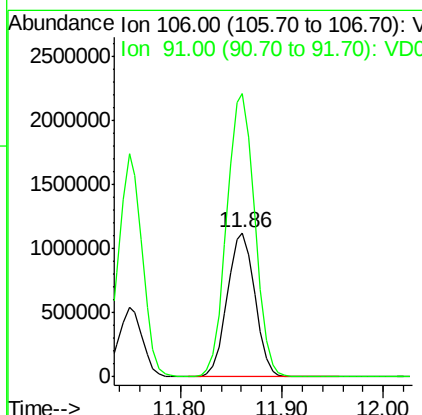
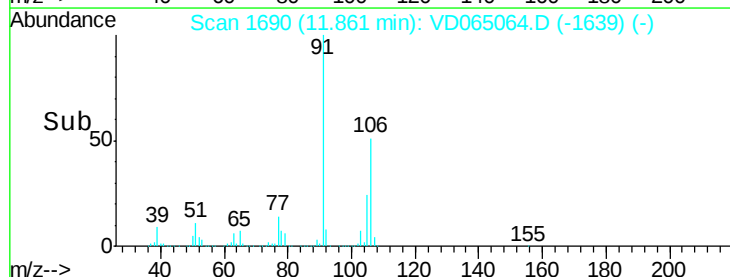
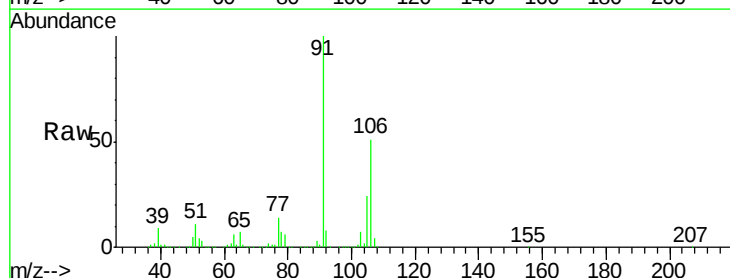
Acq: 05 Feb 2020 15:03

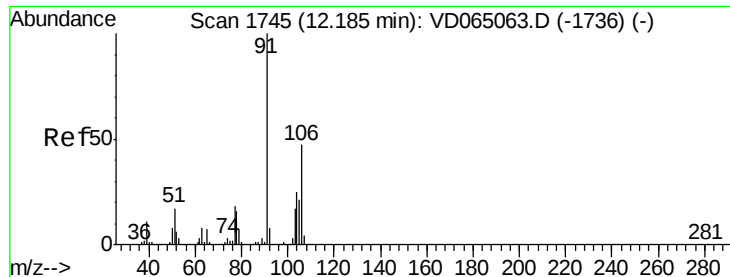
Tgt Ion: 106 Resp: 2125966

Ion Ratio Lower Upper

106 100

91 199.1 158.9 238.3

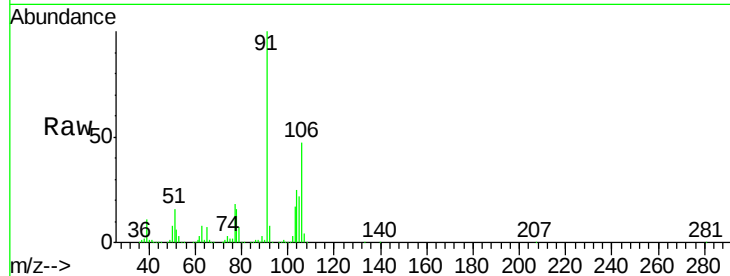




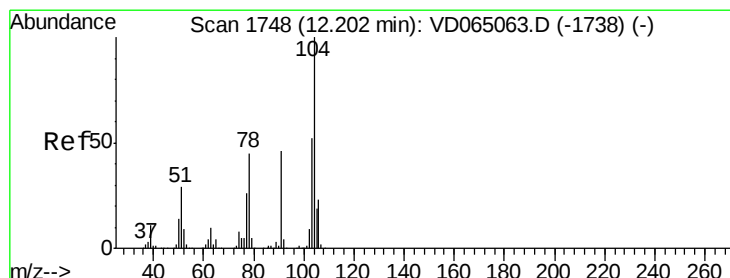
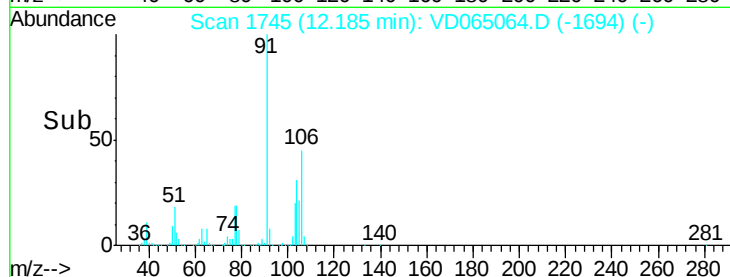
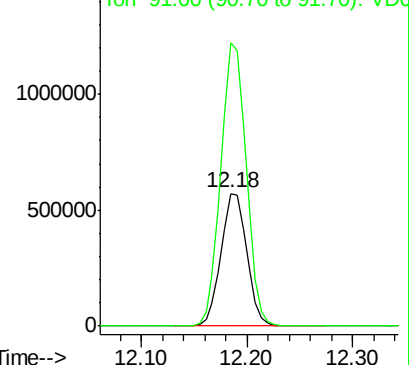
#69
o-Xylene
Concen: 100.75 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 963355
Ion Ratio Lower Upper
106 100
91 211.0 104.7 313.9

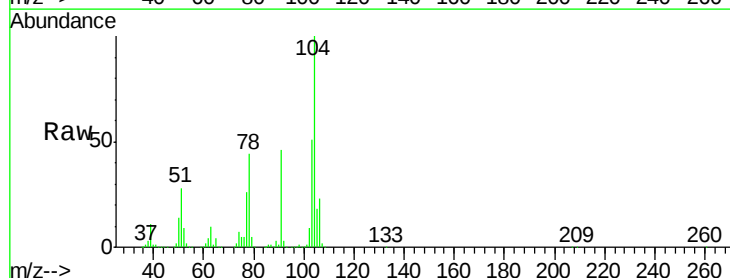


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

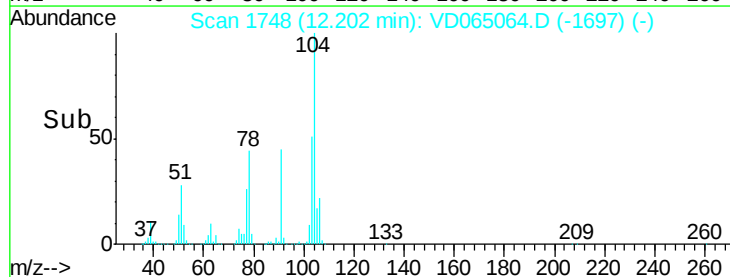
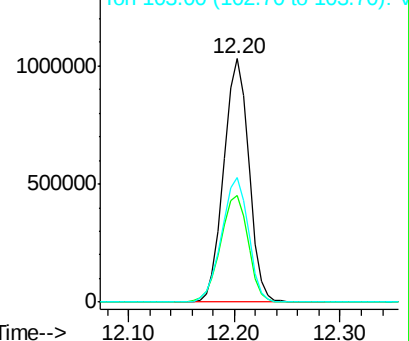


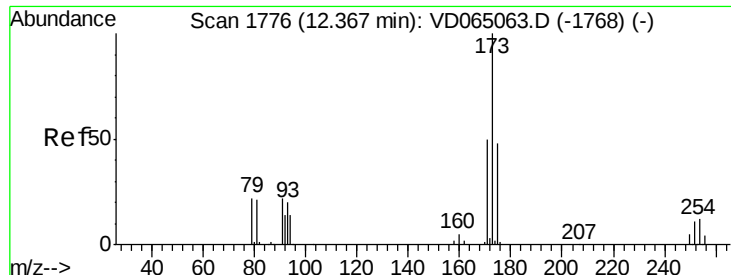
#70
Styrene
Concen: 100.15 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion:104 Resp: 1694273
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 54.5 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 91.17 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

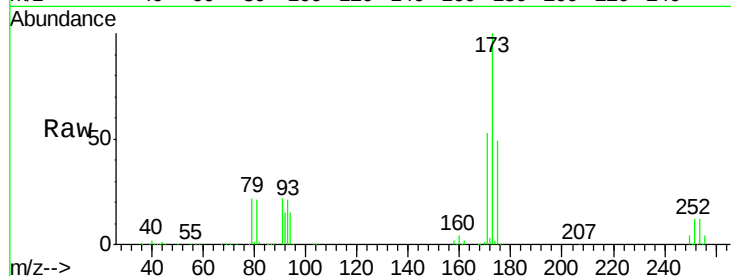
Tgt Ion:173 Resp: 295886

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.8

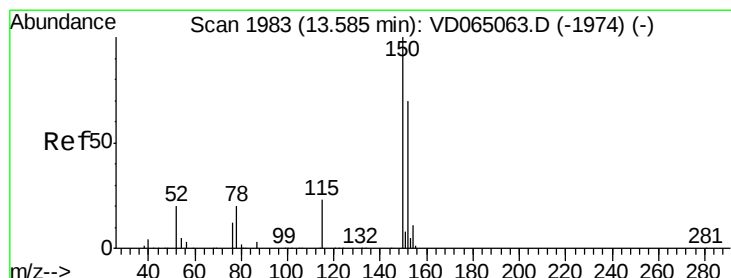
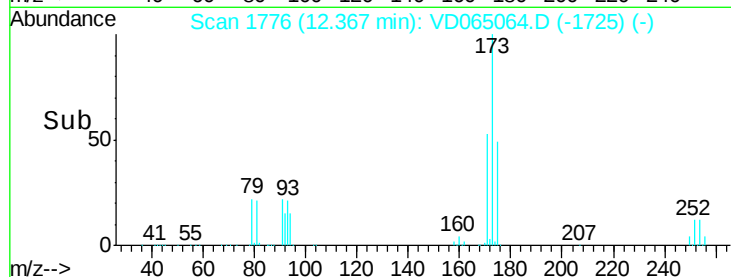
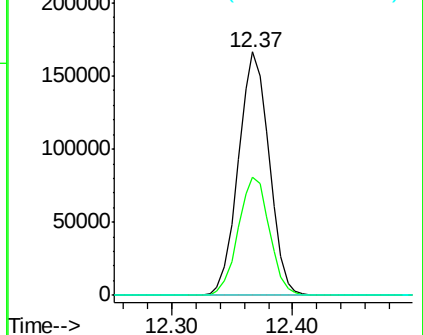
254 0.3 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

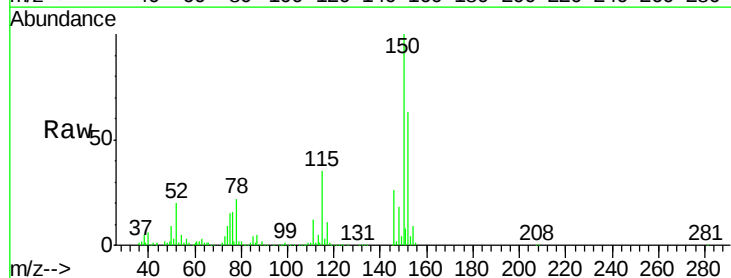
Tgt Ion:152 Resp: 377934

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

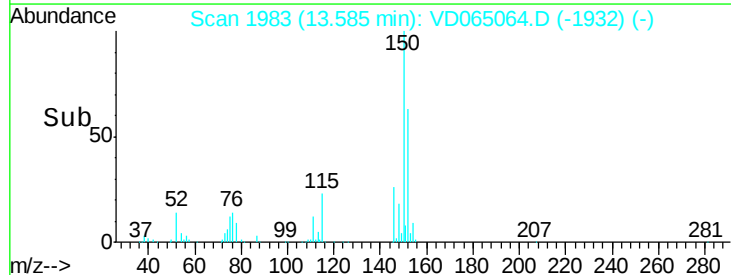
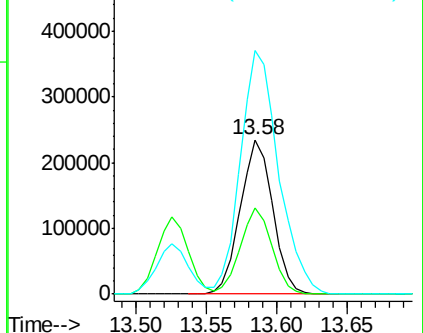
150 185.9 0.0 343.2

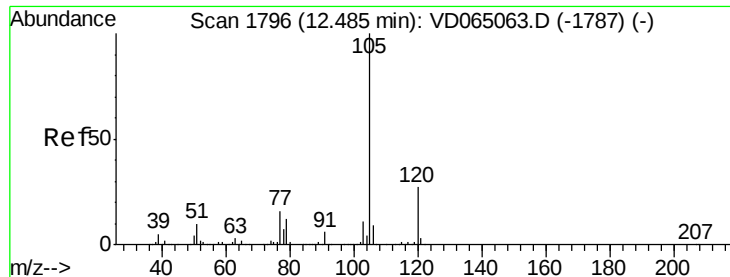


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 102.20 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

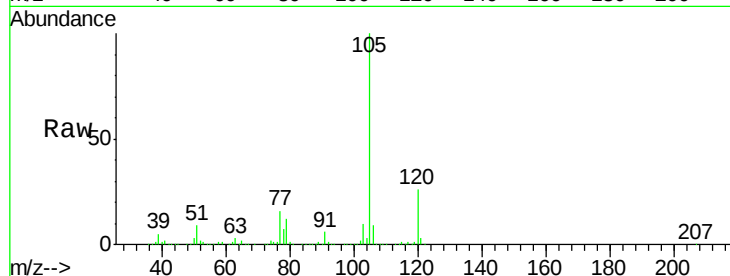
VSTDIC100

Tgt Ion:105 Resp: 2645789

Ion Ratio Lower Upper

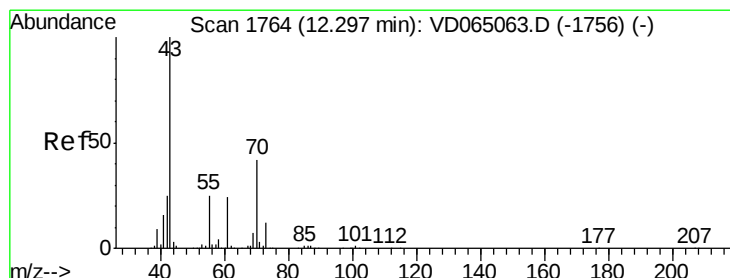
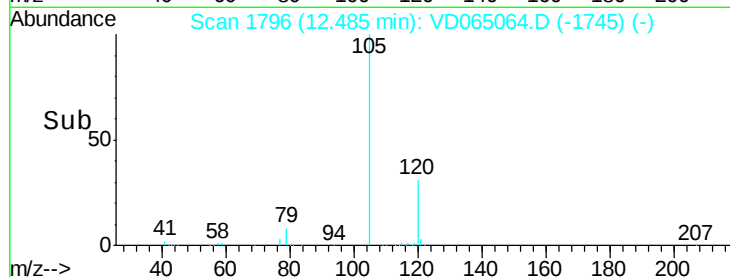
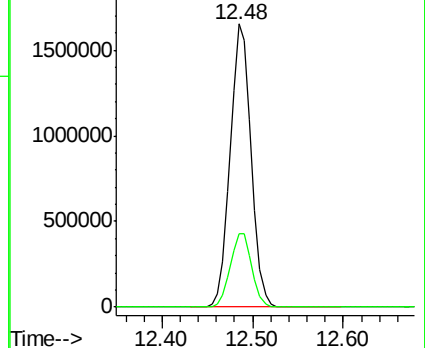
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 101.75 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Tgt Ion: 43 Resp: 585972

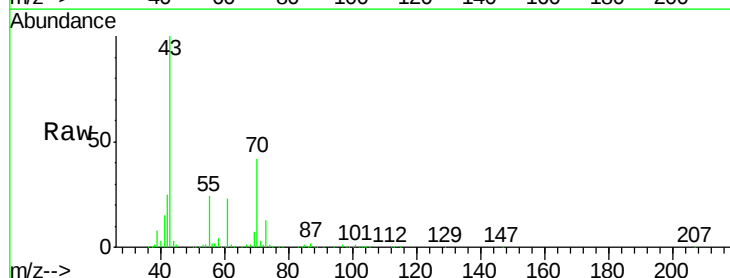
Ion Ratio Lower Upper

43 100

70 41.8 33.5 50.3

55 23.8 19.4 29.2

61 23.5 18.6 28.0

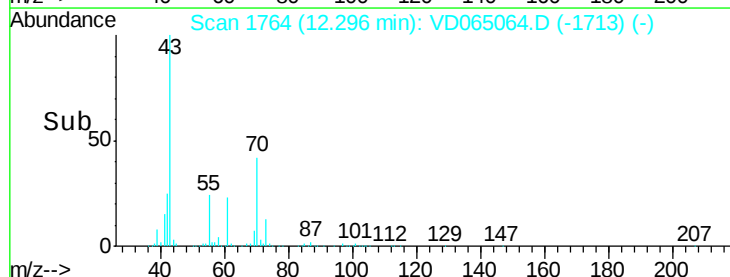
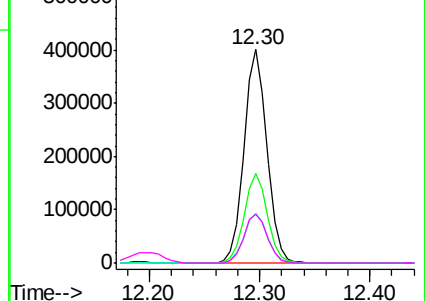


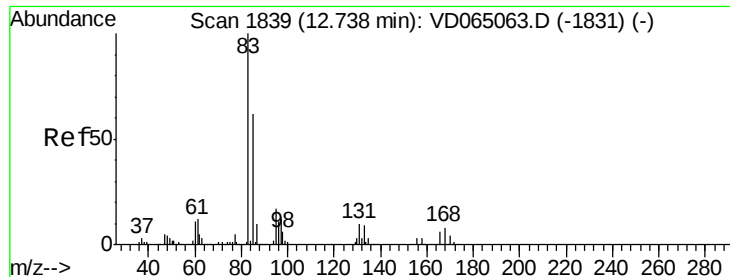
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 92.00 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

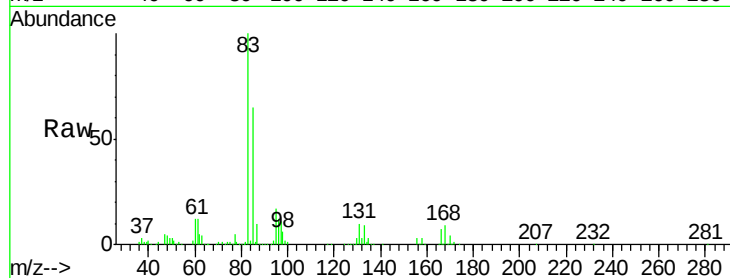
Tgt Ion: 83 Resp: 396162

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

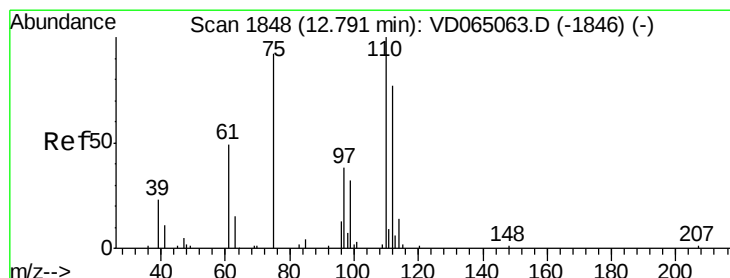
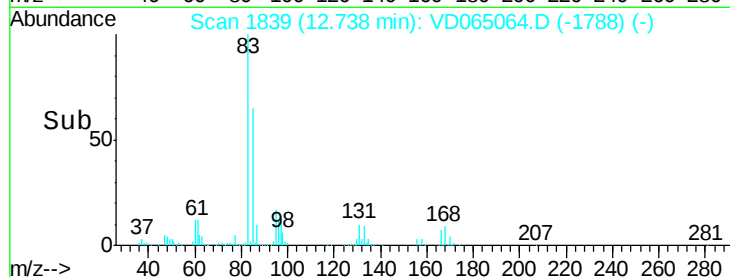
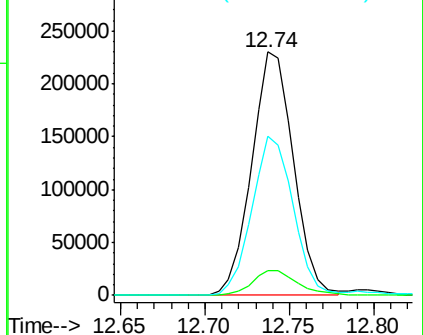
85 64.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 180.49 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065064.D

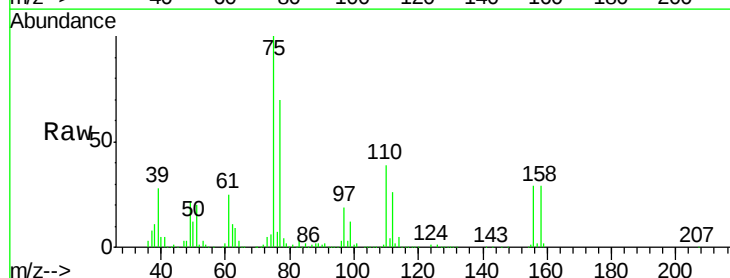
Acq: 05 Feb 2020 15:03

Tgt Ion: 75 Resp: 551644

Ion Ratio Lower Upper

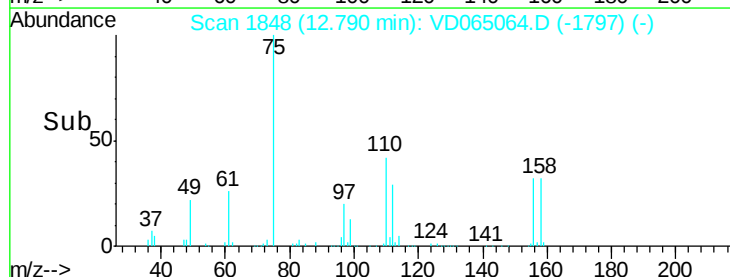
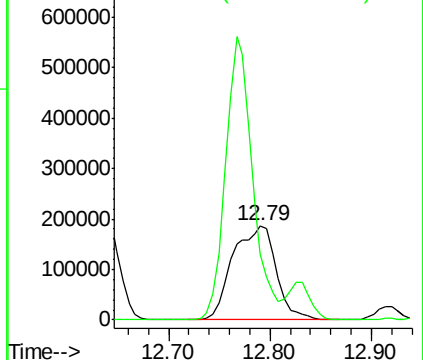
75 100

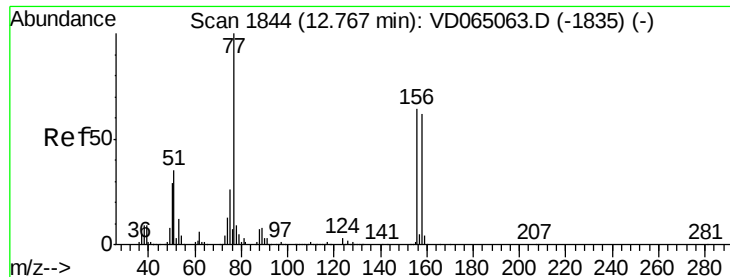
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 96.22 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

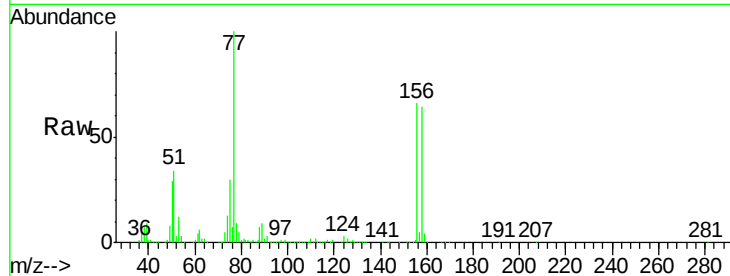
Tgt Ion:156 Resp: 607683

Ion Ratio Lower Upper

156 100

77 170.0 85.6 256.8

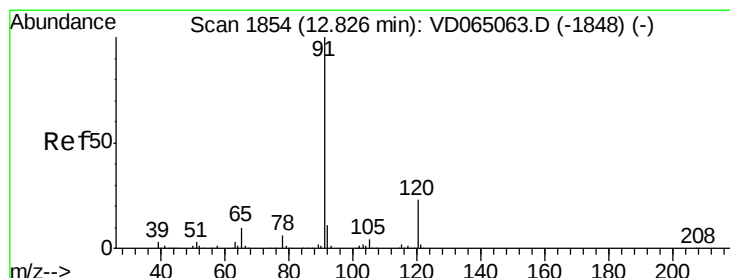
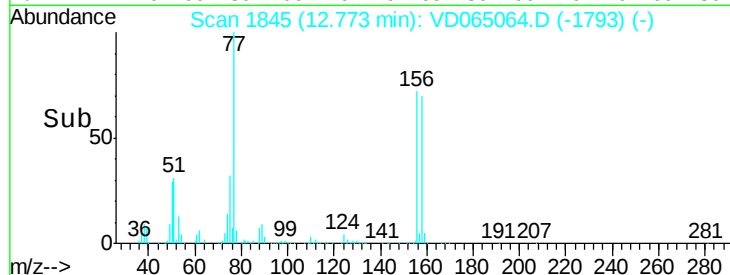
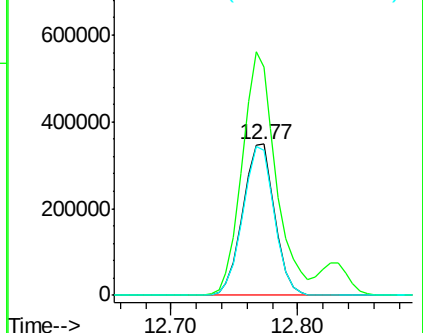
158 97.5 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 100.36 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065064.D

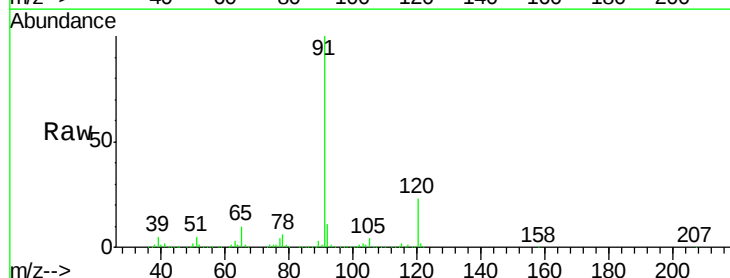
Acq: 05 Feb 2020 15:03

Tgt Ion: 91 Resp: 3086838

Ion Ratio Lower Upper

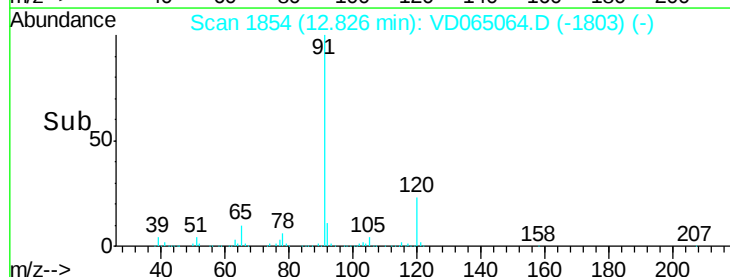
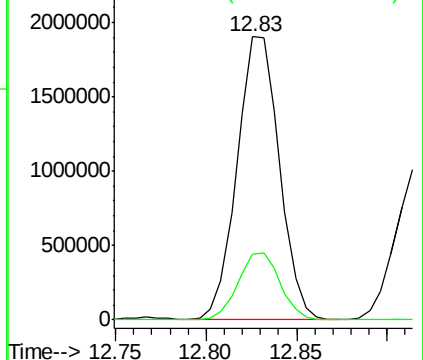
91 100

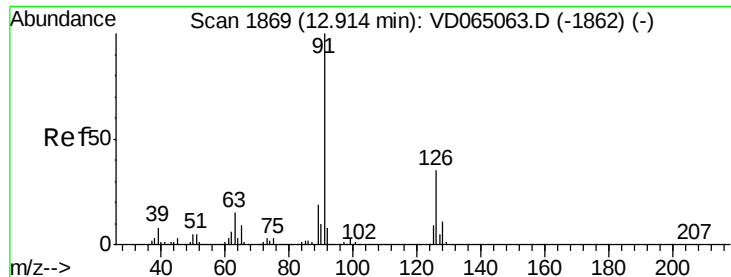
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.67 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

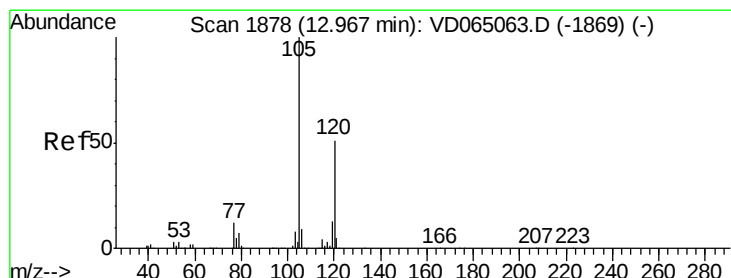
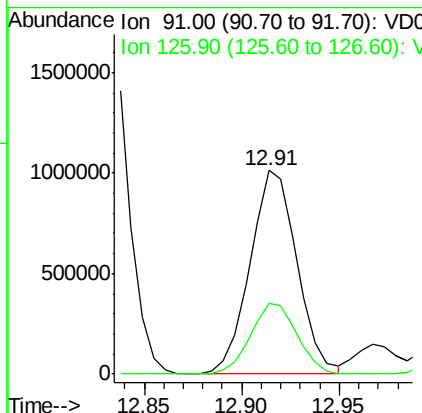
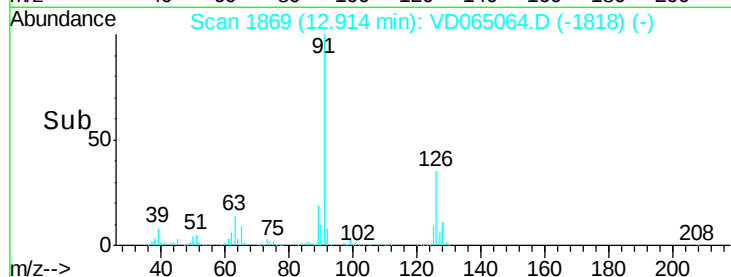
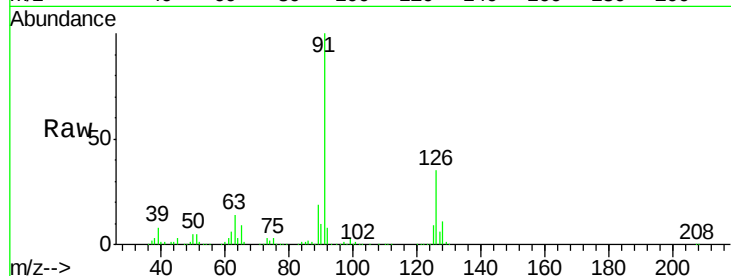
VSTDIC100

Tgt Ion: 91 Resp: 1684783

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 100.44 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065064.D

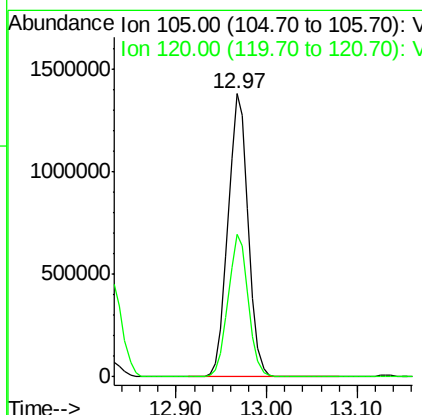
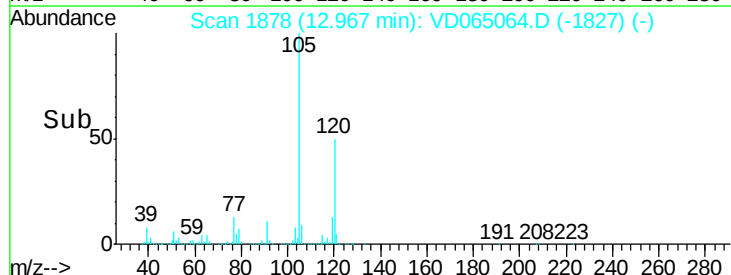
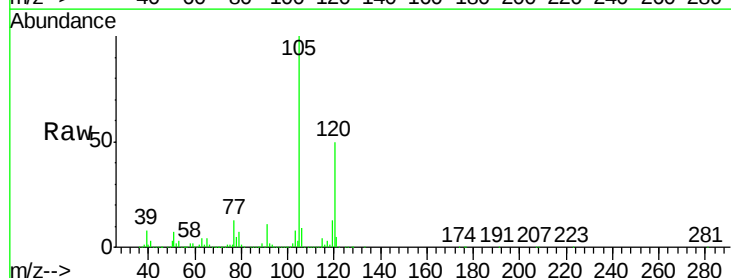
Acq: 05 Feb 2020 15:03

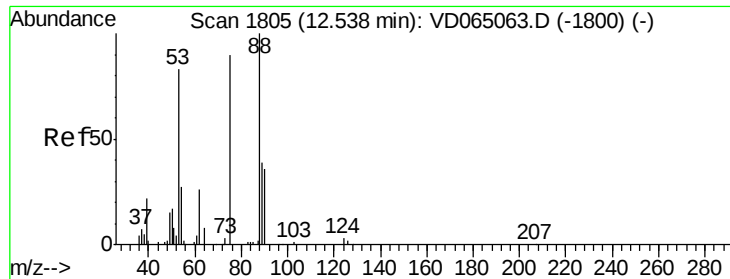
Tgt Ion: 105 Resp: 2130090

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 101.14 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

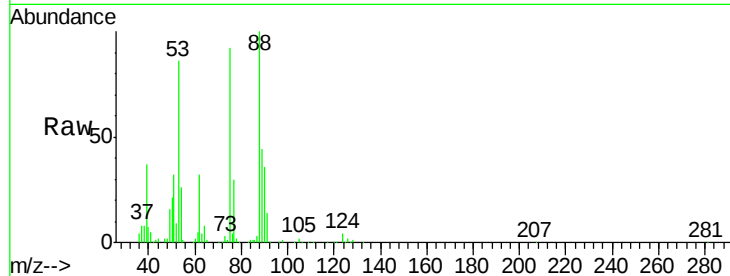
Tgt Ion: 75 Resp: 148221

Ion Ratio Lower Upper

75 100

53 95.0 78.5 117.7

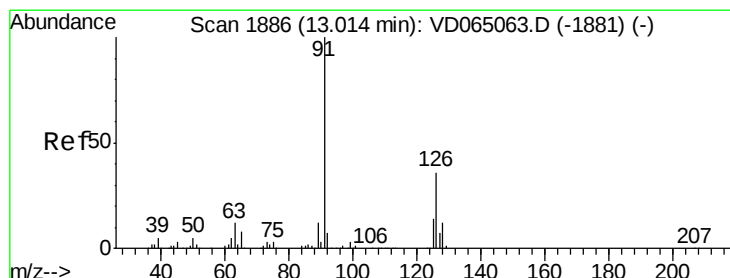
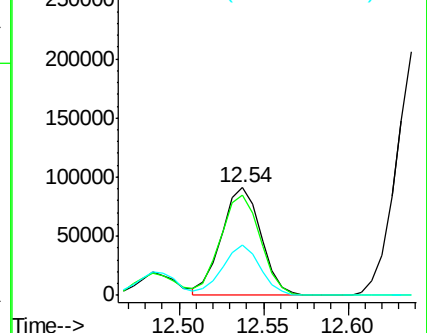
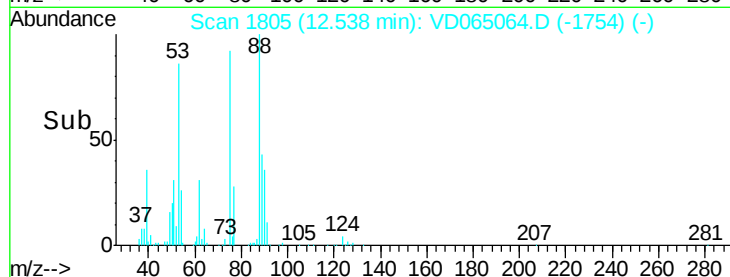
89 45.2 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 98.36 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065064.D

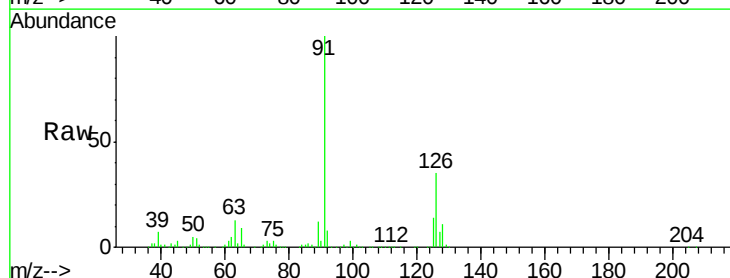
Acq: 05 Feb 2020 15:03

Tgt Ion: 91 Resp: 1761575

Ion Ratio Lower Upper

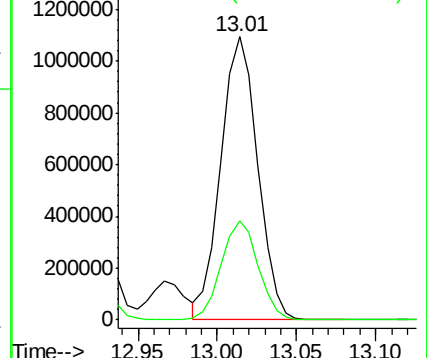
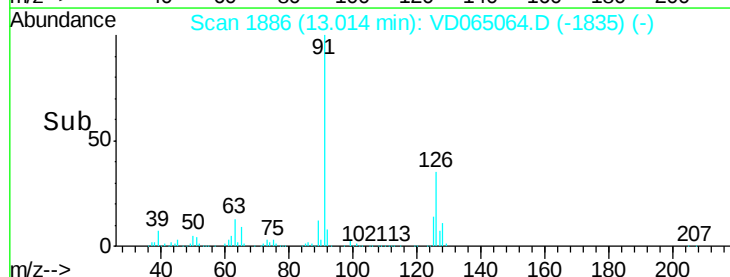
91 100

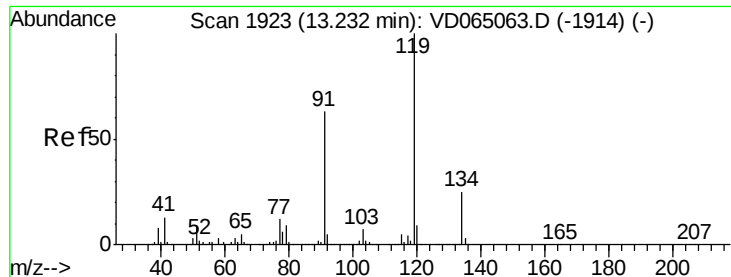
126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

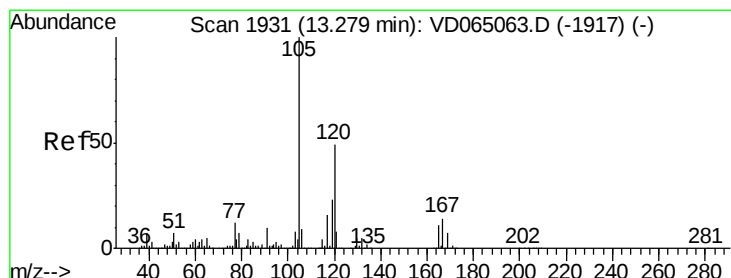
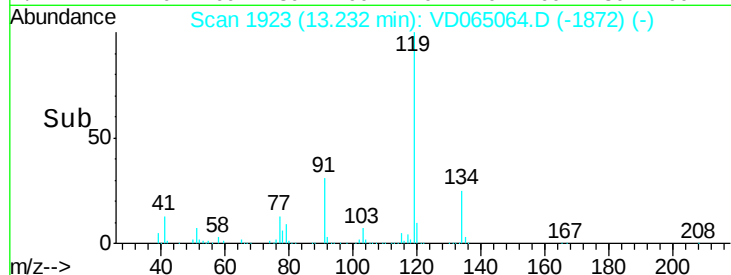
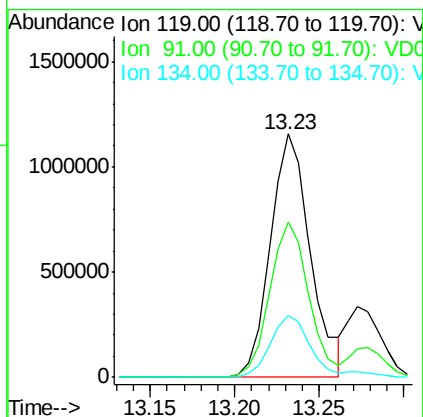
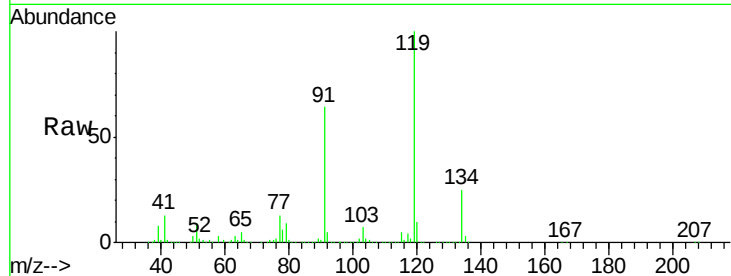




#83
tert-Butylbenzene
Concen: 105.96 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

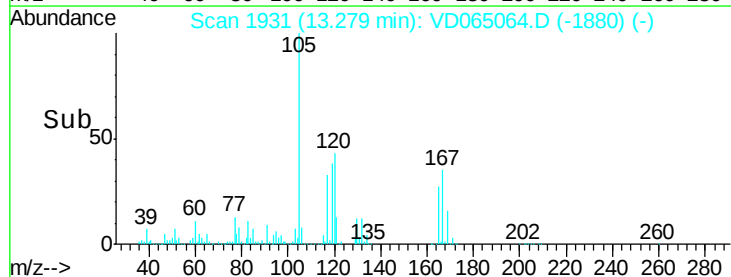
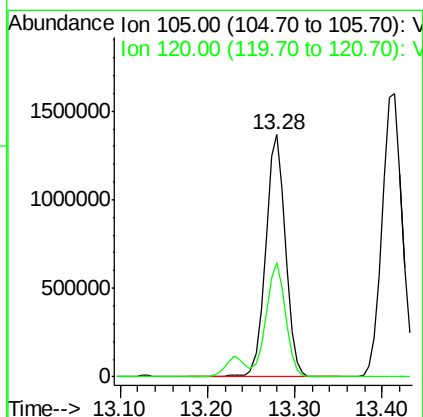
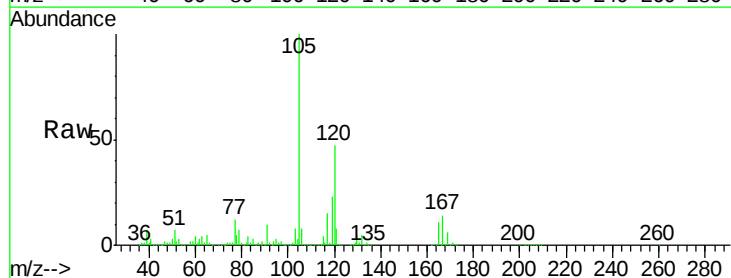
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

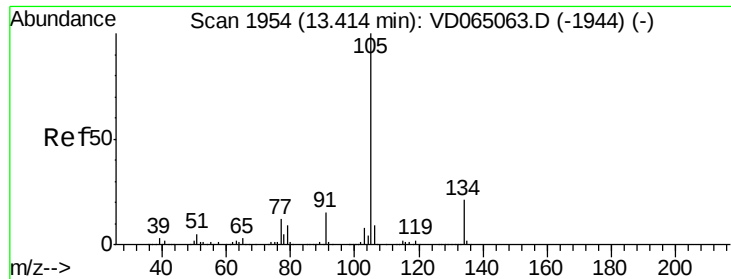
Tgt Ion:119 Resp: 1904646
Ion Ratio Lower Upper
119 100
91 62.0 32.3 96.9
134 26.5 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 99.53 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065064.D
Acq: 05 Feb 2020 15:03

Tgt Ion:105 Resp: 2131755
Ion Ratio Lower Upper
105 100
120 46.3 23.5 70.5

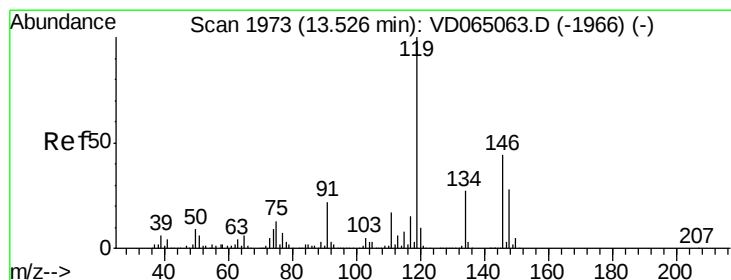
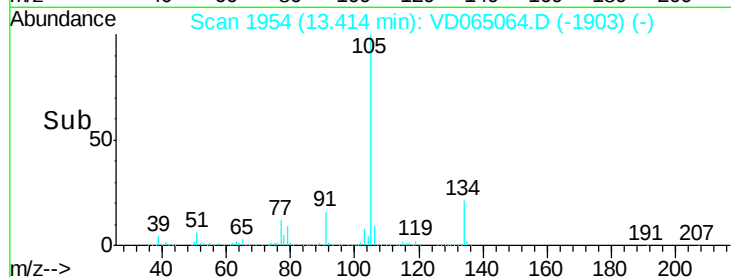
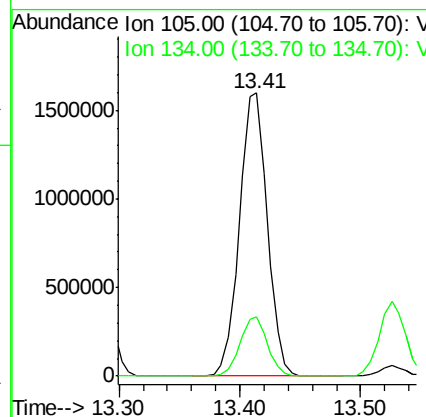
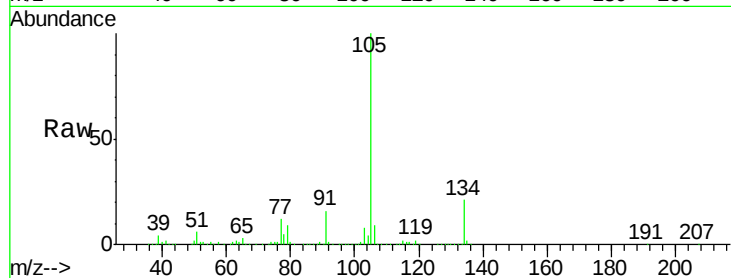




#85
 sec-Butylbenzene
 Concen: 100.53 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

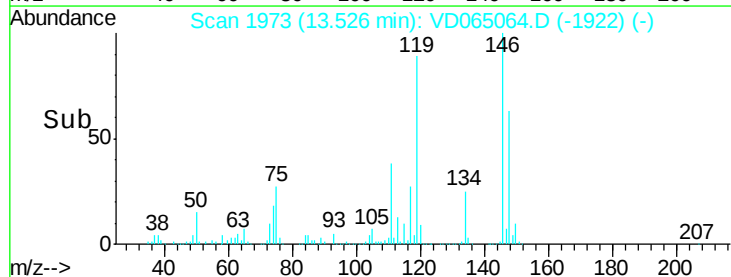
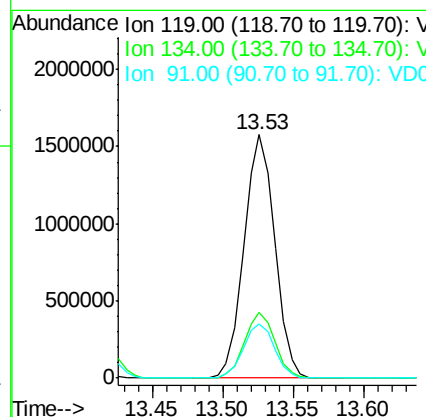
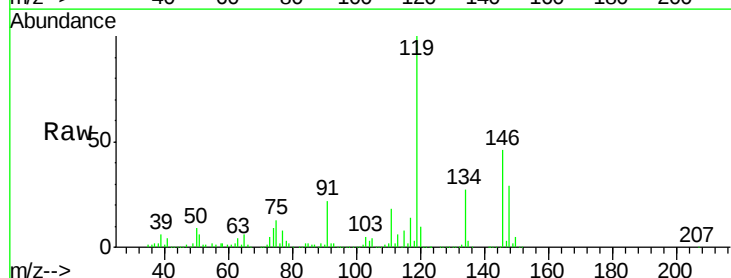
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

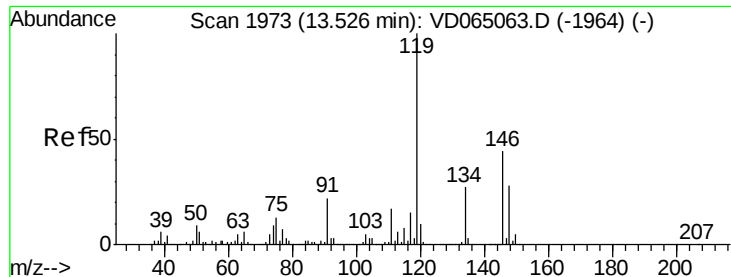
Tgt Ion:105 Resp: 2566334
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 100.90 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion:119 Resp: 2399243
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.5
 91 22.4 11.3 33.9

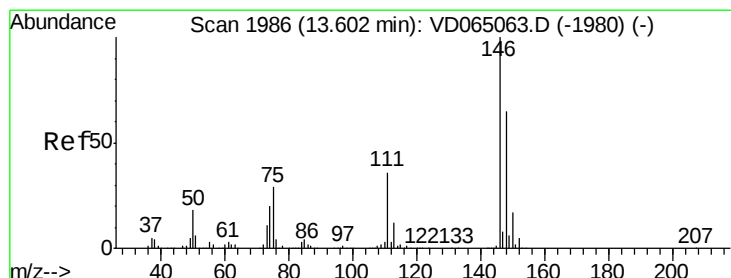
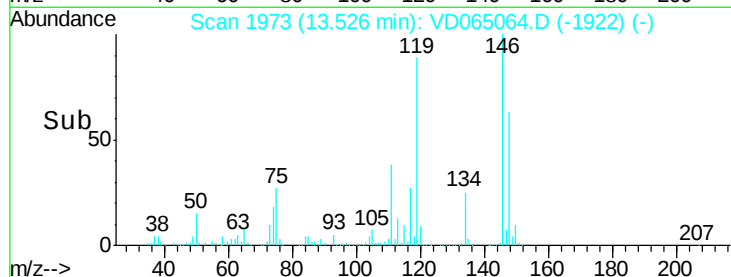
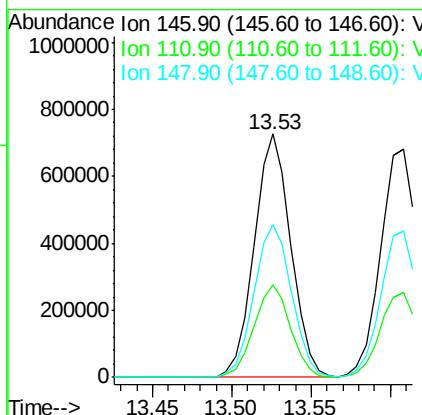
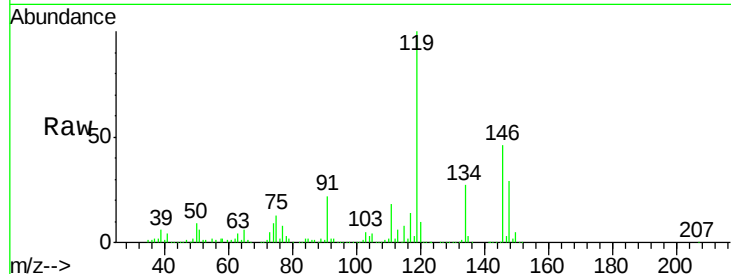




#87
 1,3-Dichlorobenzene
 Concen: 96.47 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

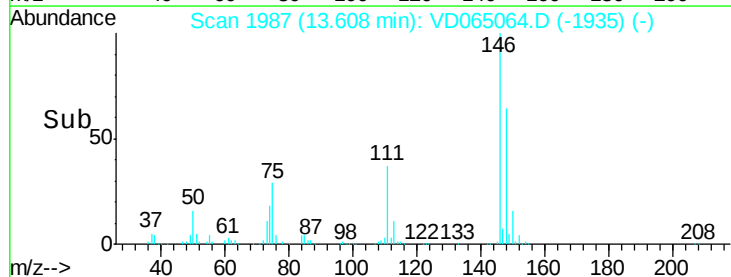
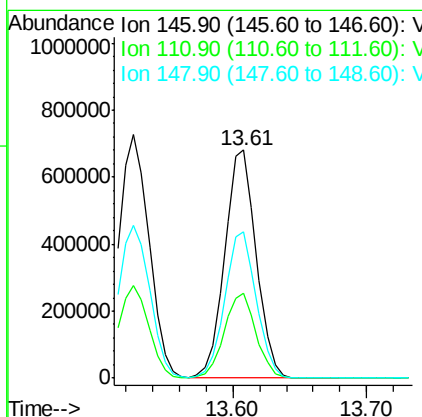
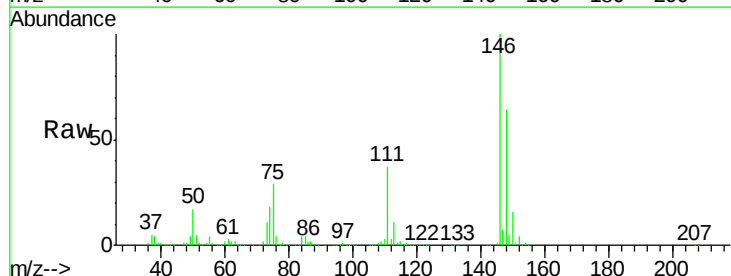
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

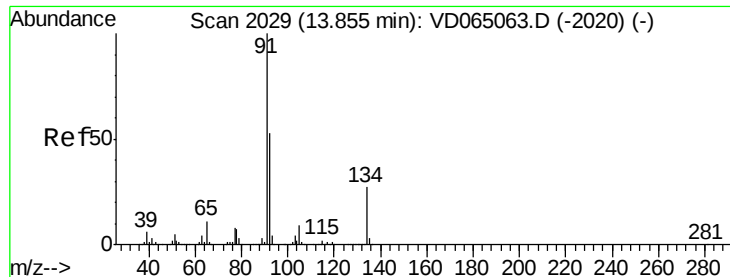
Tgt Ion:146 Resp: 1166340
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.4
 148 64.4 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 93.47 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion:146 Resp: 1121455
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.5 55.5
 148 64.1 32.7 98.1





#89

n-Butylbenzene

Concen: 100.74 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

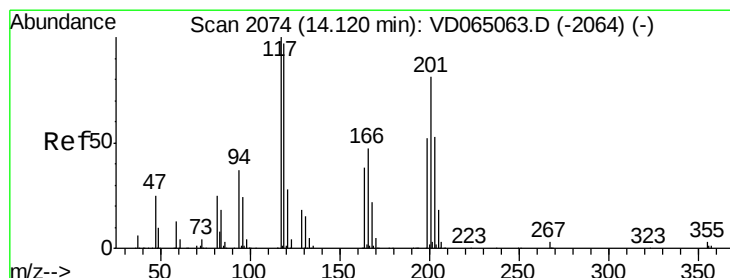
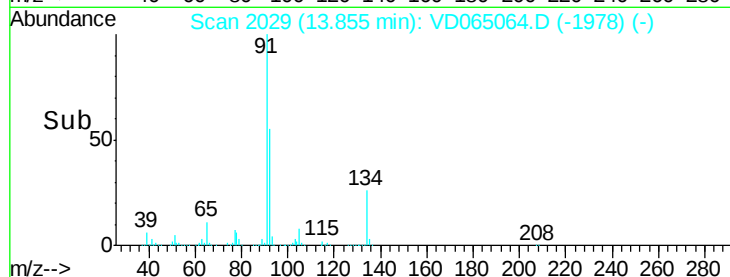
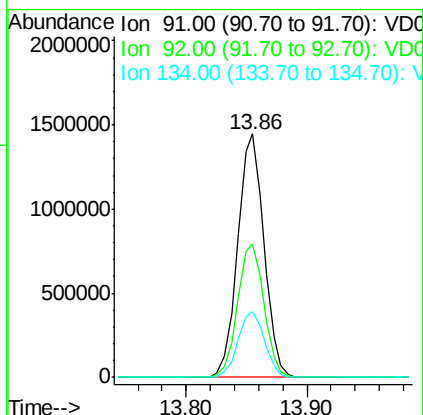
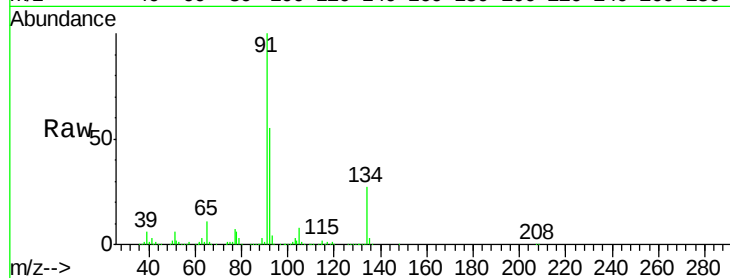
Tgt Ion: 91 Resp: 2186354

Ion Ratio Lower Upper

91 100

92 55.2 26.7 80.1

134 27.3 13.4 40.2



#90

Hexachloroethane

Concen: 94.90 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065064.D

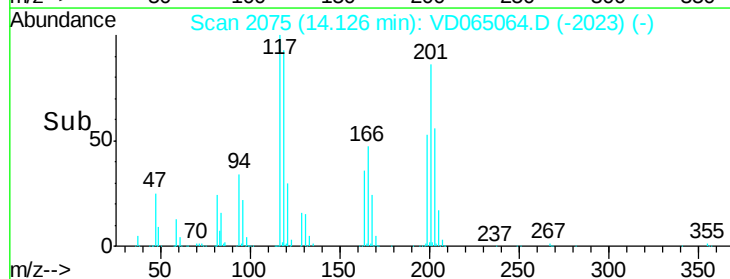
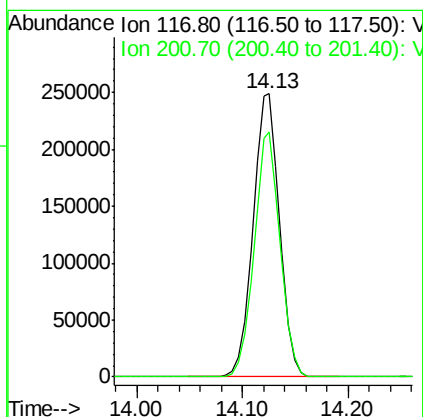
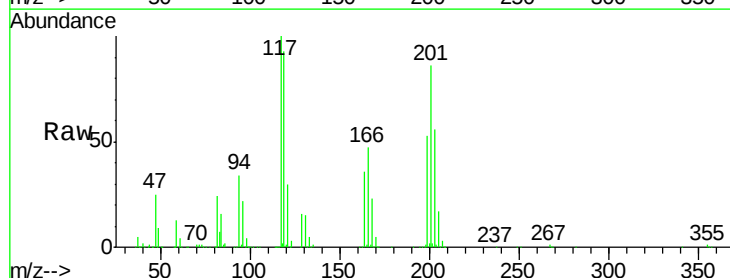
Acq: 05 Feb 2020 15:03

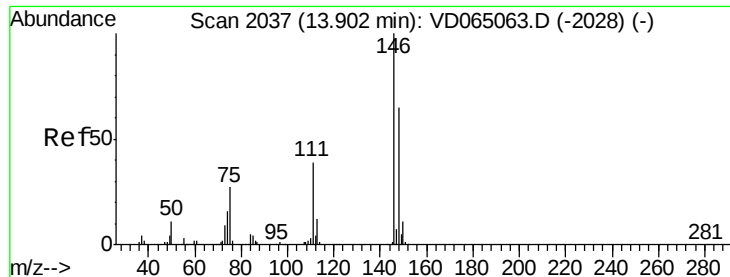
Tgt Ion: 117 Resp: 434150

Ion Ratio Lower Upper

117 100

201 84.6 42.5 127.6

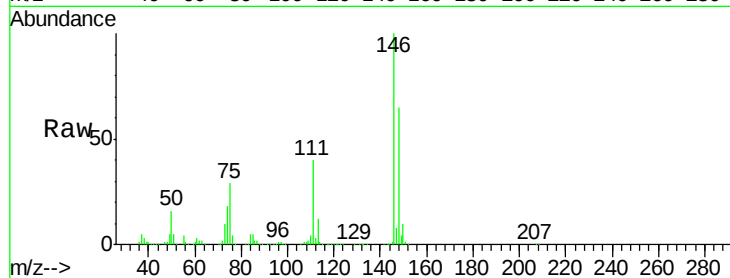




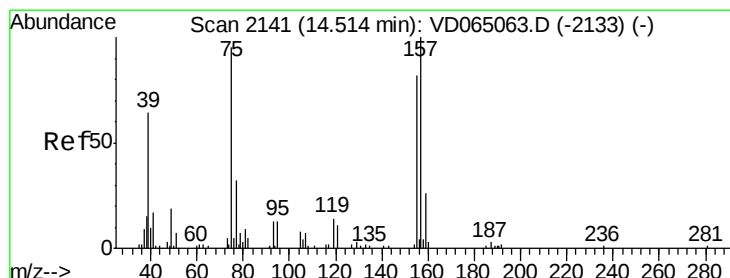
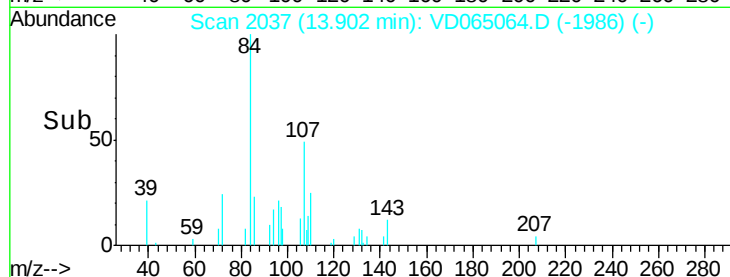
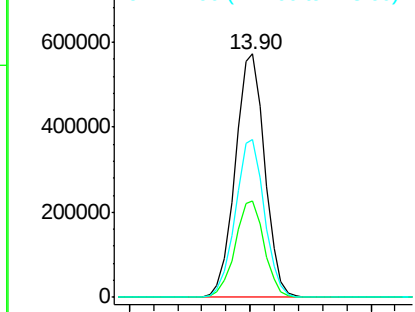
#91
 1,2-Dichlorobenzene
 Concen: 94.77 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.1	31.9	95.5

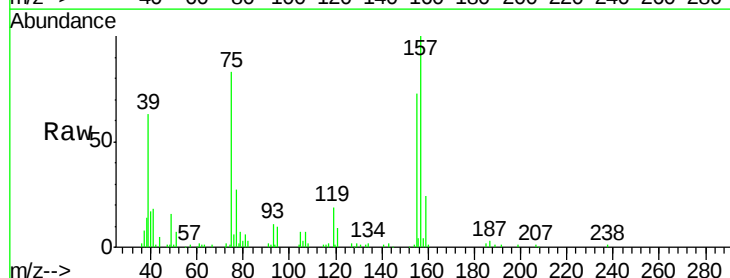


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

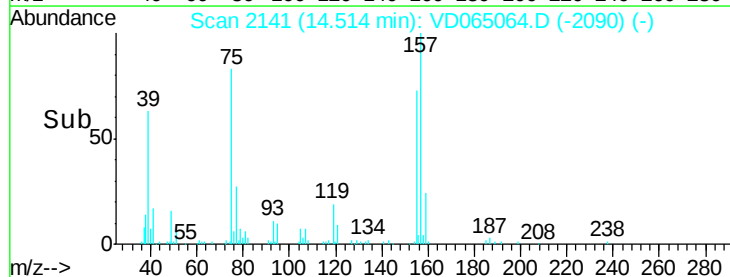
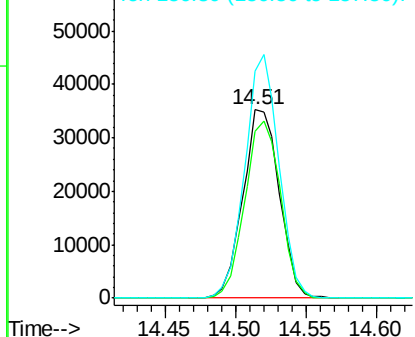


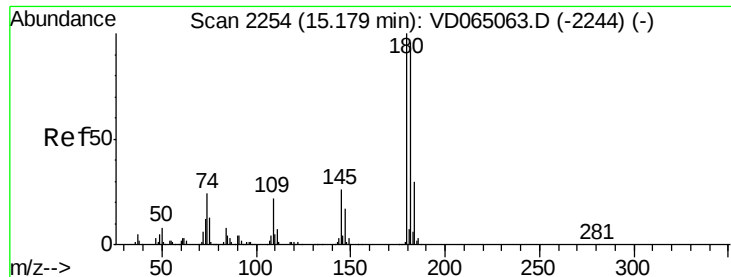
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.15 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	43.4	130.1
157	120.5	55.8	167.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

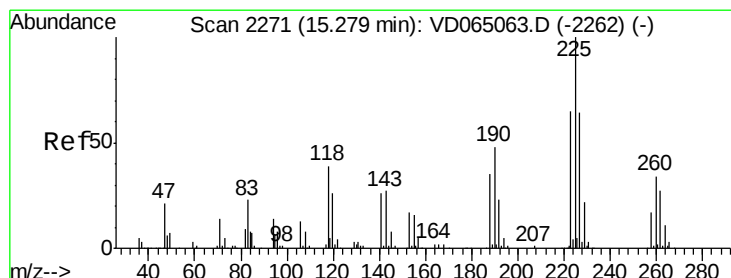
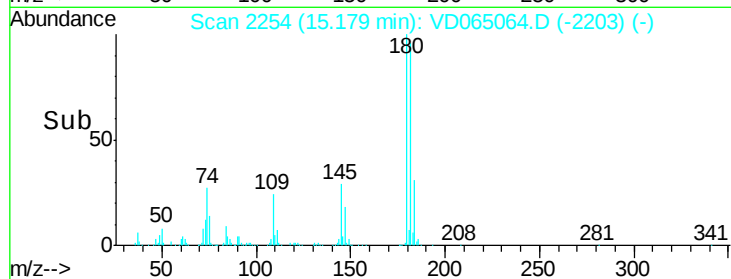
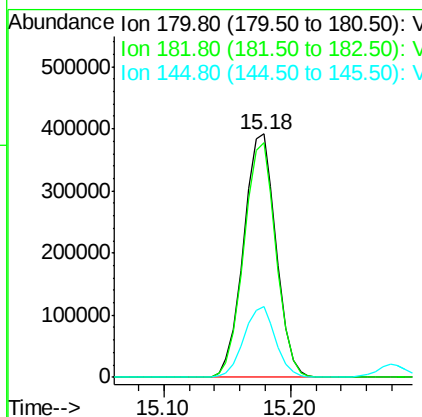
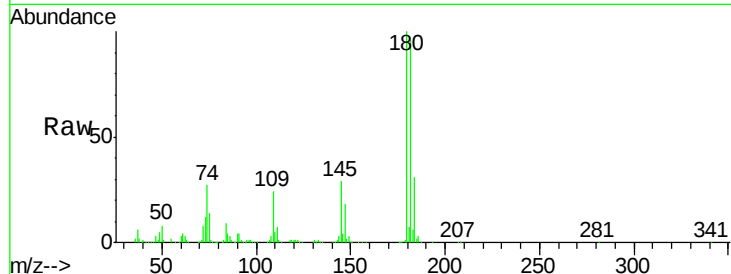




#93
 1,2,4-Trichlorobenzene
 Concen: 97.21 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

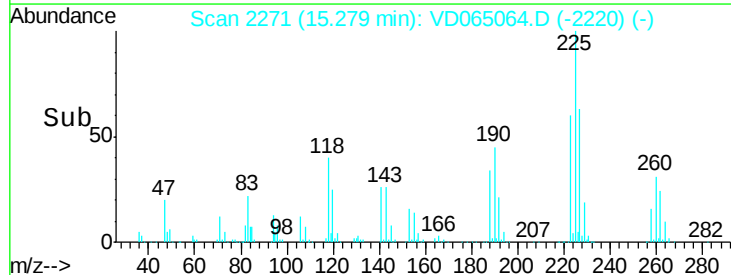
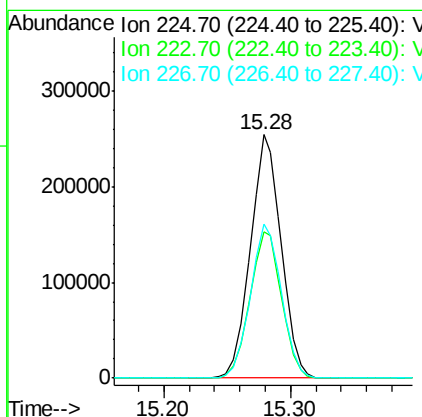
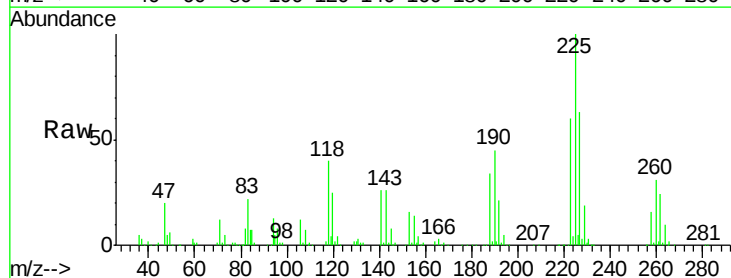
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

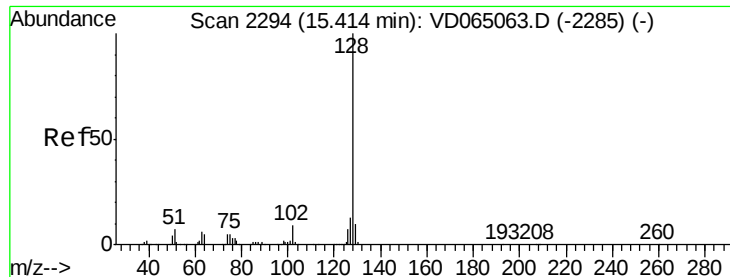
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.3
145	28.4	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 94.75 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065064.D
 Acq: 05 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.0
227	63.9	31.8	95.3





#95

Naphthalene

Concen: 103.05 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

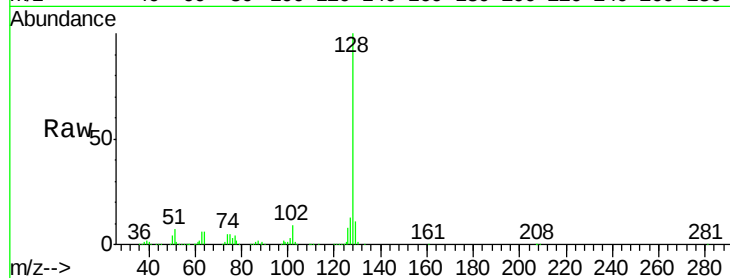
Tgt Ion:128 Resp: 1182991

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

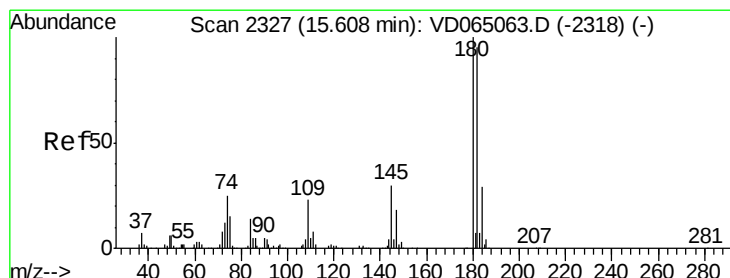
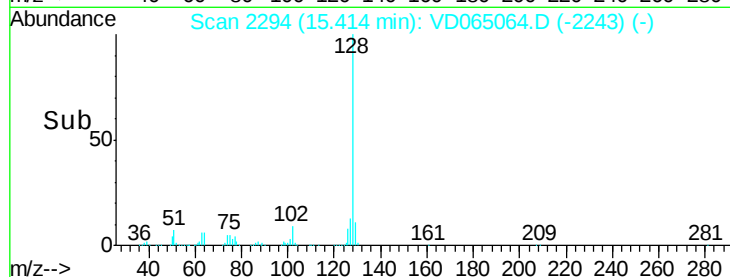
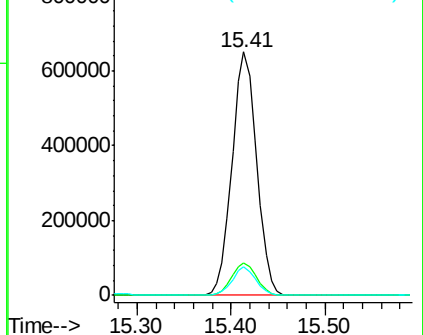
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 96.20 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065064.D

Acq: 05 Feb 2020 15:03

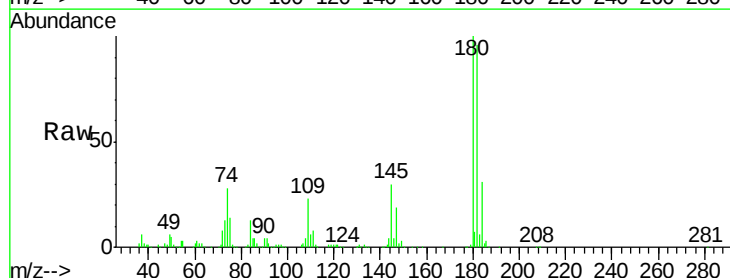
Tgt Ion:180 Resp: 590675

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.4

145 30.1 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

