

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
 Data File : VD065061.D
 Acq On : 05 Feb 2020 12:31
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Feb 05 15:27:15 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	618058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	926375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	806290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	51820	8.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.84%	
35) Dibromofluoromethane	7.93	113	49611	8.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.36%	
50) Toluene-d8	10.34	98	192536	8.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.40%	
62) 4-Bromofluorobenzene	12.64	95	62599	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	53771	11.30	ug/l	95
3) Chloromethane	2.21	50	62964	9.40	ug/l	95
4) Vinyl Chloride	2.35	62	67079	8.78	ug/l	96
5) Bromomethane	2.77	94	43578	8.52	ug/l	98
6) Chloroethane	2.93	64	40699	8.15	ug/l	97
7) Trichlorofluoromethane	3.27	101	94786	8.10	ug/l	99
8) Diethyl Ether	3.71	74	28221	10.36	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	57853	10.19	ug/l	100
10) Methyl Iodide	4.30	142	60041	9.92	ug/l	99
11) Tert butyl alcohol	5.25	59	19730	61.99	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	57477	10.61	ug/l	94
13) Acrolein	3.93	56	20475	50.37	ug/l	98
14) Allyl chloride	4.71	41	93366	10.75	ug/l	97
15) Acrylonitrile	5.43	53	59206	50.22	ug/l	98
16) Acetone	4.17	43	64405	51.64	ug/l	94
17) Carbon Disulfide	4.40	76	181599	10.22	ug/l	100
18) Methyl Acetate	4.73	43	27932	10.13	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	122237	10.20	ug/l	94
20) Methylene Chloride	4.96	84	79936	11.61	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	63955	10.31	ug/l	93
22) Diisopropyl ether	6.37	45	175333	10.25	ug/l	91
23) Vinyl Acetate	6.31	43	466768	47.07	ug/l	98
24) 1,1-Dichloroethane	6.27	63	107999	10.29	ug/l	98
25) 2-Butanone	7.23	43	79951	50.72	ug/l	97
26) 2,2-Dichloropropane	7.21	77	94221	9.84	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	67024	10.10	ug/l	99
28) Bromochloromethane	7.55	49	38403	9.46	ug/l	98
29) Tetrahydrofuran	7.58	42	48538	49.70	ug/l	99
30) Chloroform	7.71	83	106778	9.88	ug/l	94
31) Cyclohexane	7.98	56	109310	10.51	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	100209	9.96	ug/l	99
36) 1,1-Dichloropropene	8.12	75	89377	10.02	ug/l	96
37) Ethyl Acetate	7.30	43	34241	9.33	ug/l	96
38) Carbon Tetrachloride	8.10	117	87444	9.34	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106734	10.15	ug/l	98
40) Benzene	8.36	78	239640	9.77	ug/l	99
41) Methacrylonitrile	7.53	41	21302	11.03	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	68612	9.46	ug/l	98
43) Isopropyl Acetate	8.46	43	67169	9.64	ug/l	100
44) Trichloroethene	9.12	130	68949	9.97	ug/l	92
45) 1,2-Dichloropropane	9.40	63	57283	9.61	ug/l	96
46) Dibromomethane	9.48	93	29962	9.28	ug/l	100
47) Bromodichloromethane	9.67	83	77873	9.26	ug/l	94
48) Methyl methacrylate	9.46	41	34813	10.86	ug/l	91
49) 1,4-Dioxane	9.47	88	7571	203.95	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	162807	46.98	ug/l	99
52) Toluene	10.41	92	151728	9.58	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	75489	9.42	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	89948	9.55	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	42307	9.73	ug/l	98
56) Ethyl methacrylate	10.67	69	49887	9.56	ug/l	98
57) 1,3-Dichloropropane	10.95	76	72936	9.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	76536	42.13	ug/l	98
59) 2-Hexanone	10.99	43	111537	46.50	ug/l	100
60) Dibromochloromethane	11.14	129	54427	9.40	ug/l	100
61) 1,2-Dibromoethane	11.25	107	40517	9.66	ug/l	100
64) Tetrachloroethene	10.88	164	58416	9.99	ug/l	96
65) Chlorobenzene	11.68	112	162562	9.91	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	58210	9.48	ug/l	98
67) Ethyl Benzene	11.75	91	286537	9.85	ug/l	100
68) m/p-Xylenes	11.86	106	216282	19.32	ug/l	98
69) o-Xylene	12.18	106	98414	9.88	ug/l	100
70) Styrene	12.20	104	167616	9.51	ug/l	100
71) Bromoform	12.37	173	31260	9.25	ug/l #	100
73) Isopropylbenzene	12.48	105	265663	10.06	ug/l	100
74) N-amyl acetate	12.30	43	56279	9.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	44100	10.04	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	57553	18.46	ug/l #	100
77) Bromobenzene	12.77	156	65804	10.22	ug/l	97
78) n-propylbenzene	12.83	91	312323	9.96	ug/l	99
79) 2-Chlorotoluene	12.92	91	175095	10.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	220662	10.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	14325	9.58	ug/l	99
82) 4-Chlorotoluene	13.01	91	187856	10.28	ug/l	100
83) tert-Butylbenzene	13.23	119	187734	10.24	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	215818	9.88	ug/l	99
85) sec-Butylbenzene	13.41	105	256746	9.86	ug/l	99
86) p-Isopropyltoluene	13.53	119	234354	9.66	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	124452	10.09	ug/l	97
88) 1,4-Dichlorobenzene	13.61	146	124033	10.14	ug/l	99
89) n-Butylbenzene	13.85	91	219331	9.91	ug/l	99
90) Hexachloroethane	14.13	117	45833	9.82	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	106521	10.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6774	9.58	ug/l	92

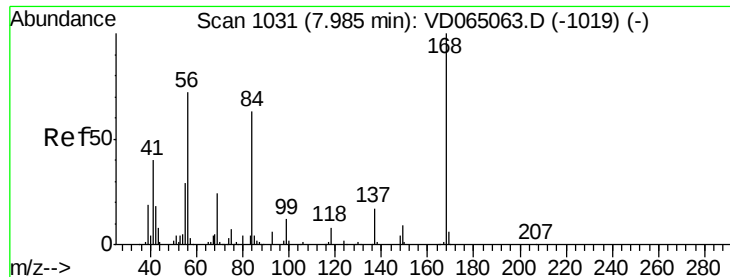
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
Data File : VD065061.D
Acq On : 05 Feb 2020 12:31
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VSTDICC010

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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	15.17	180	74260	10.19	ug/l	95
94) Hexachlorobutadiene	15.28	225	46753	10.15	ug/l	99
95) Naphthalene	15.41	128	122713	10.48	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	65862	10.52	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

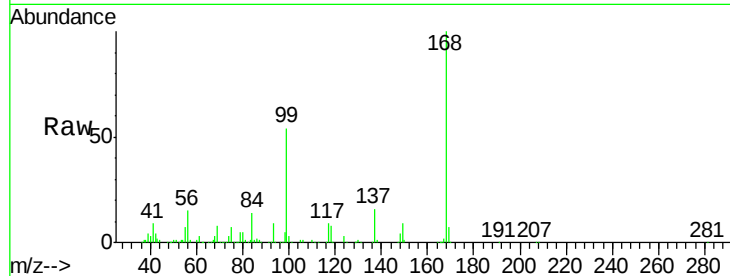
VSTDIC010

Tgt Ion:168 Resp: 618058

Ion Ratio Lower Upper

168 100

99 53.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

250000

200000

150000

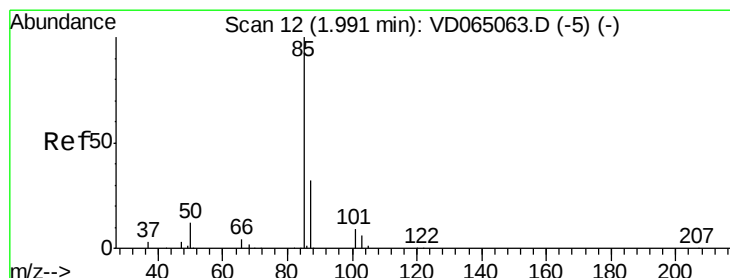
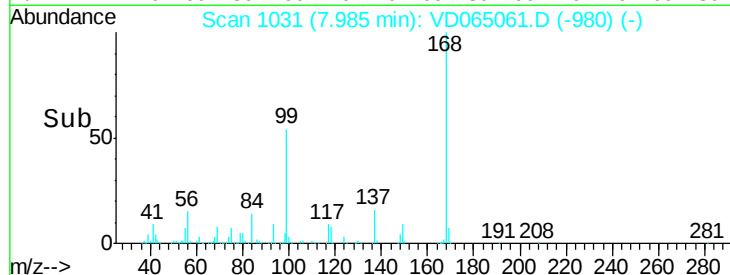
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 11.30 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065061.D

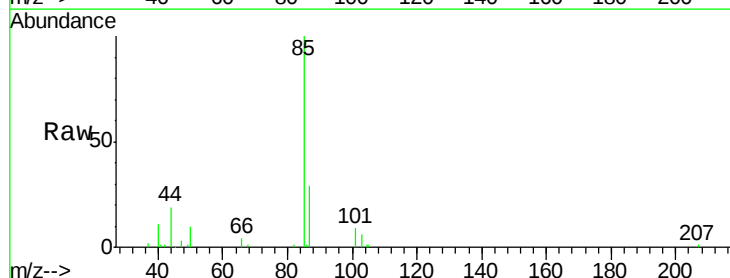
Acq: 05 Feb 2020 12:31

Tgt Ion: 85 Resp: 53771

Ion Ratio Lower Upper

85 100

87 28.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

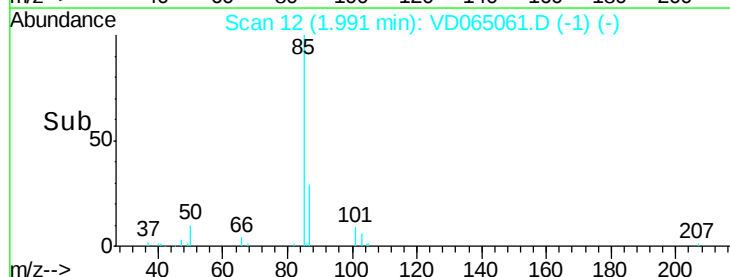
20000

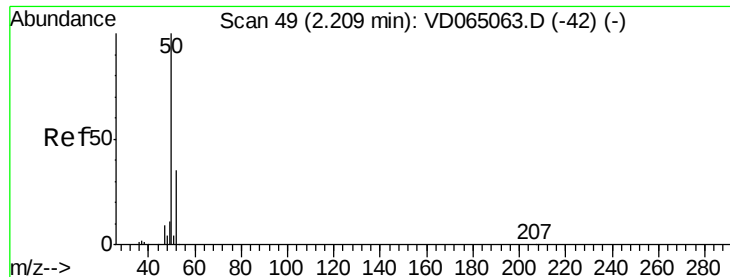
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 9.40 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

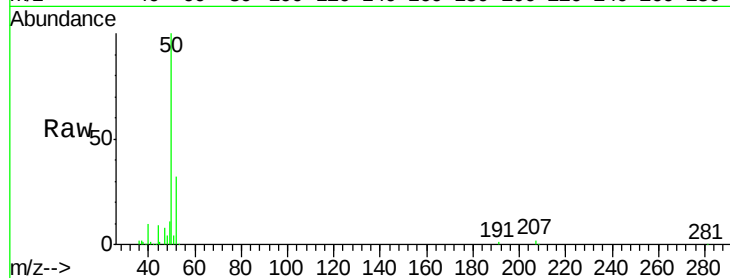
VSTDIC010

Tgt Ion: 50 Resp: 62964

Ion Ratio Lower Upper

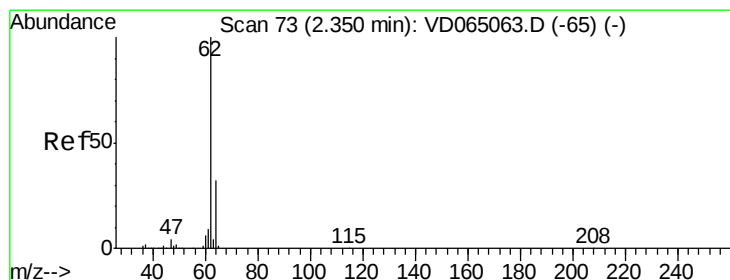
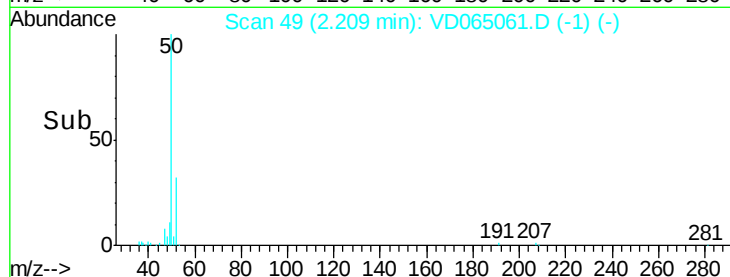
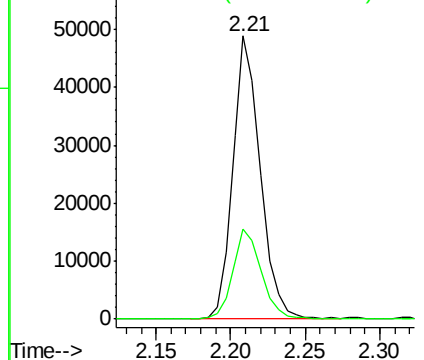
50 100

52 31.9 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 8.78 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065061.D

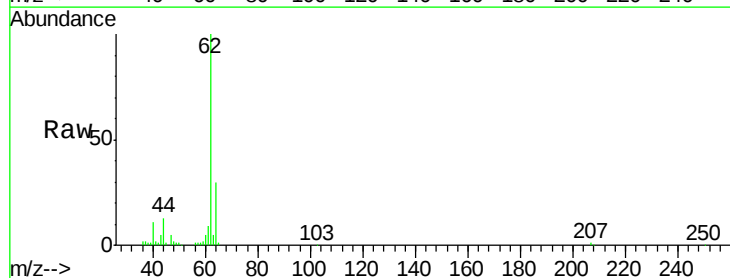
Acq: 05 Feb 2020 12:31

Tgt Ion: 62 Resp: 67079

Ion Ratio Lower Upper

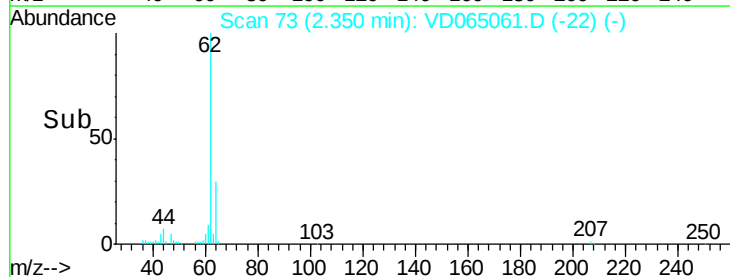
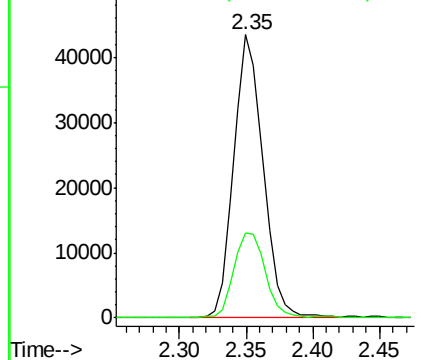
62 100

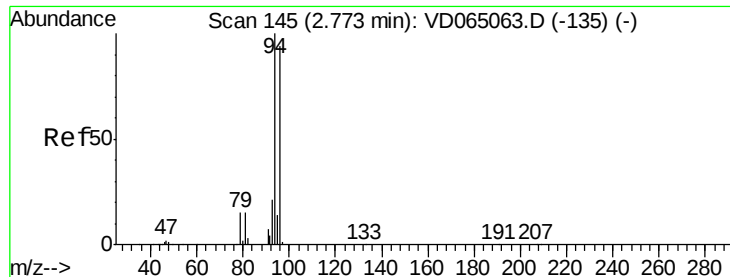
64 30.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 8.52 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

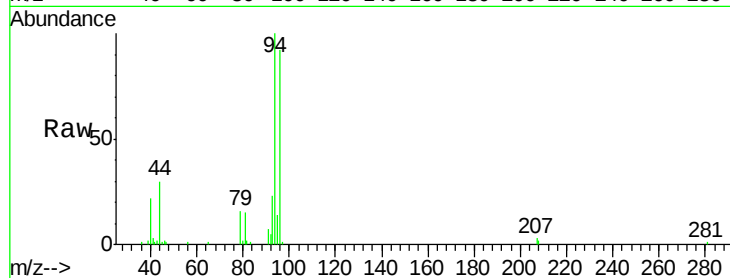
VSTDIC010

Tgt Ion: 94 Resp: 43578

Ion Ratio Lower Upper

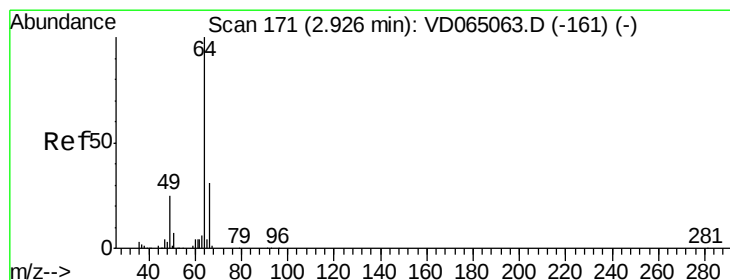
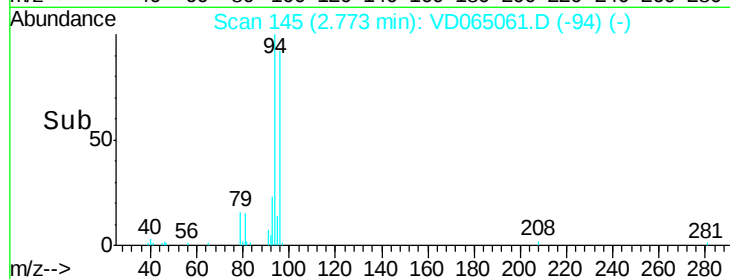
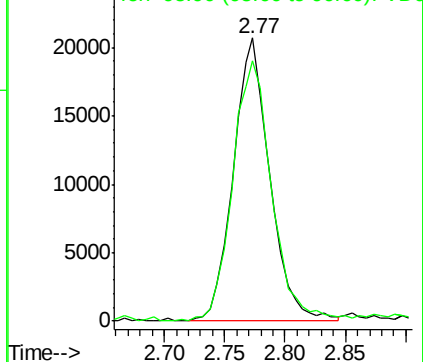
94 100

96 92.0 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: 8.15 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065061.D

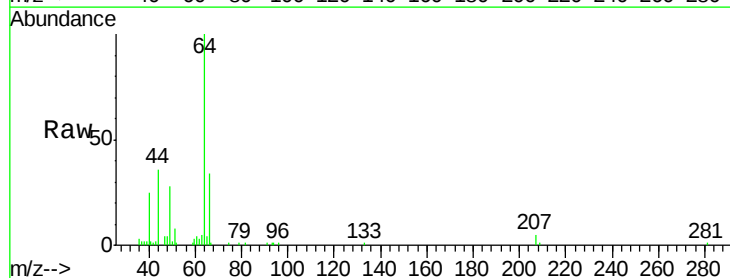
Acq: 05 Feb 2020 12:31

Tgt Ion: 64 Resp: 40699

Ion Ratio Lower Upper

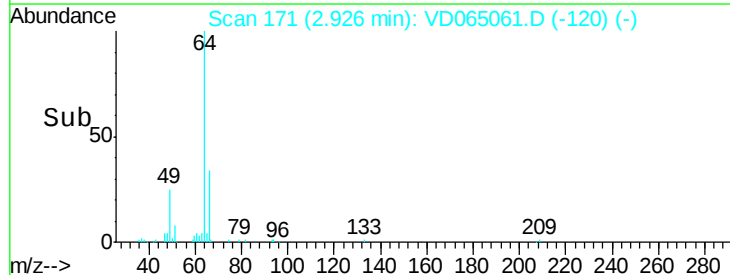
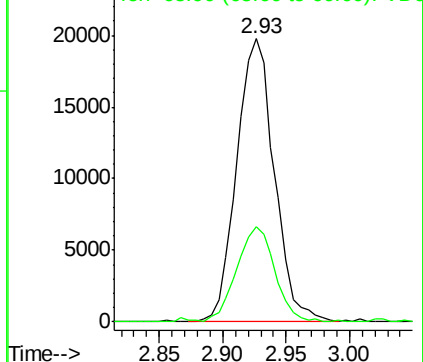
64 100

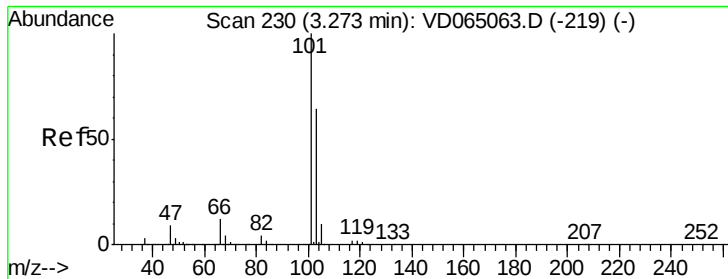
66 32.9 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



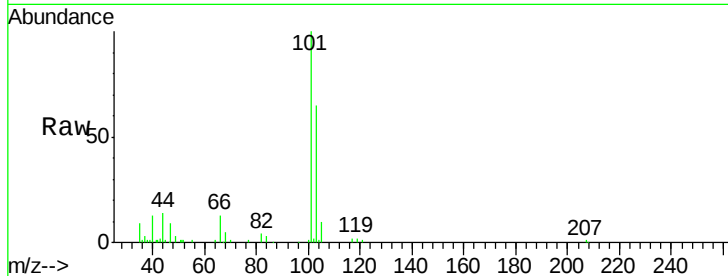


#7

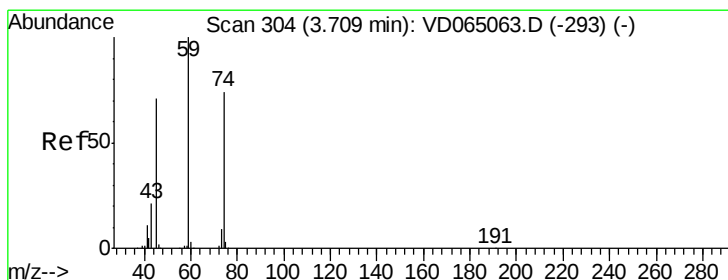
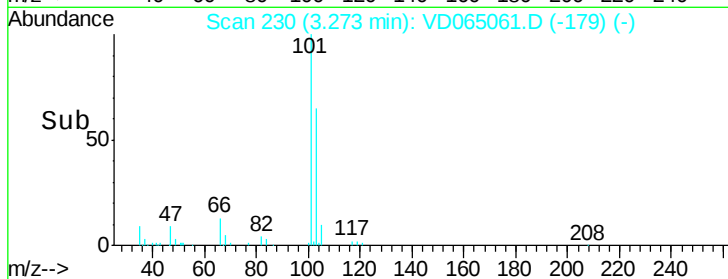
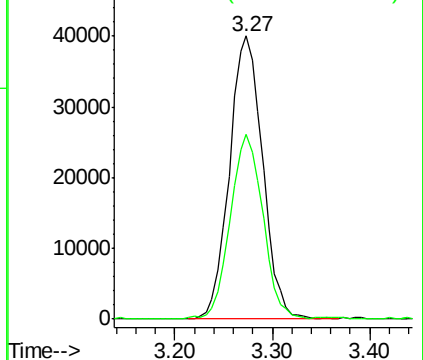
Trichlorofluoromethane
 Concen: 8.10 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
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 VSTDIC010

Tgt Ion:101 Resp: 94786
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6



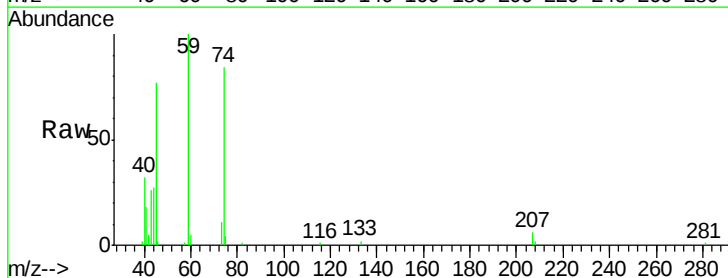
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



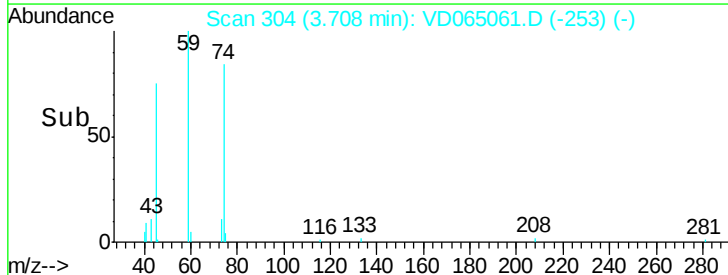
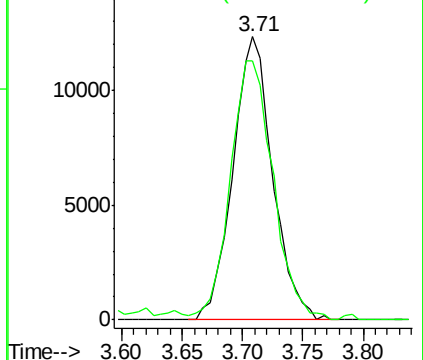
#8

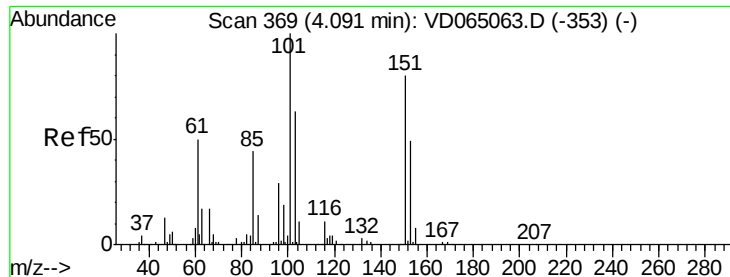
Diethyl Ether
 Concen: 10.36 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 74 Resp: 28221
 Ion Ratio Lower Upper
 74 100
 45 98.9 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: 10.19 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

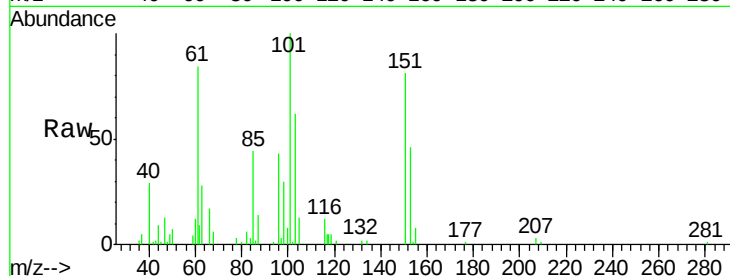
Tgt Ion:101 Resp: 57853

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

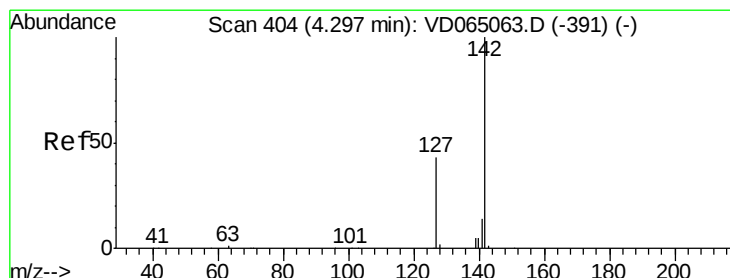
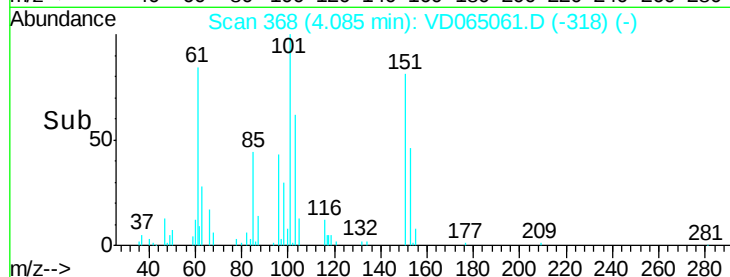
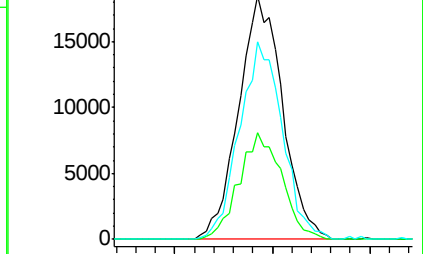
151 79.4 64.0 96.0



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: 9.92 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

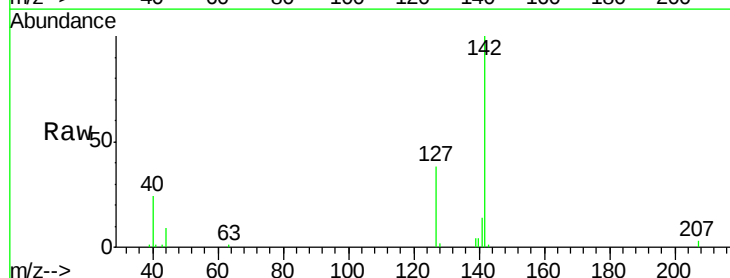
Tgt Ion:142 Resp: 60041

Ion Ratio Lower Upper

142 100

127 43.0 34.0 51.0

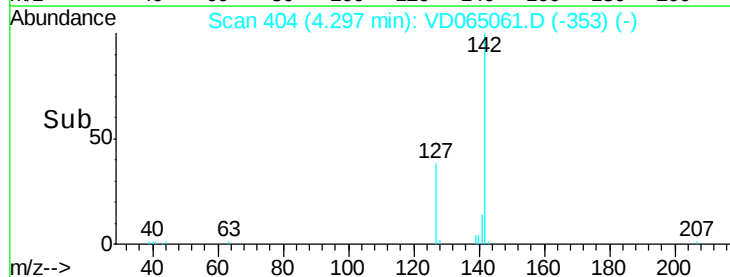
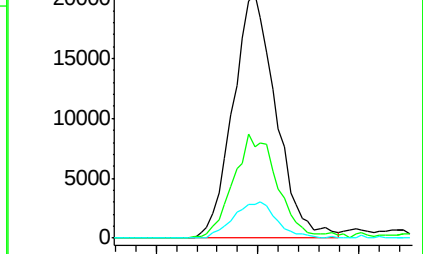
141 14.9 11.6 17.4

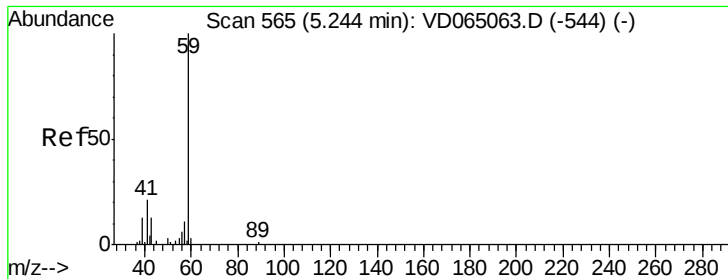


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



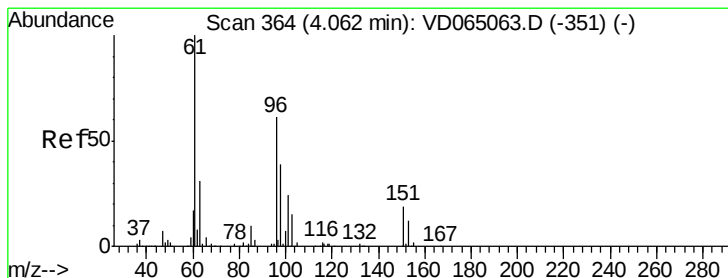
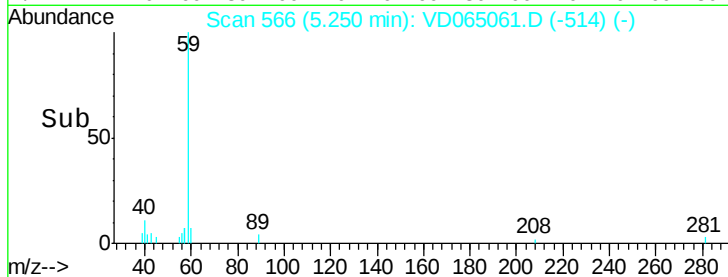
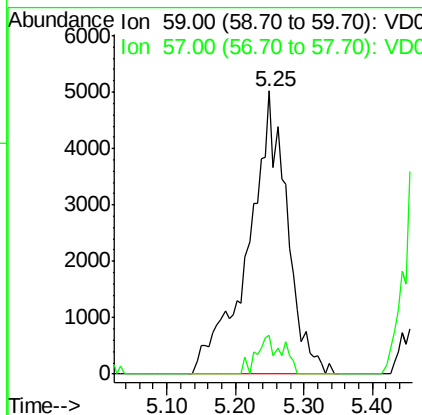
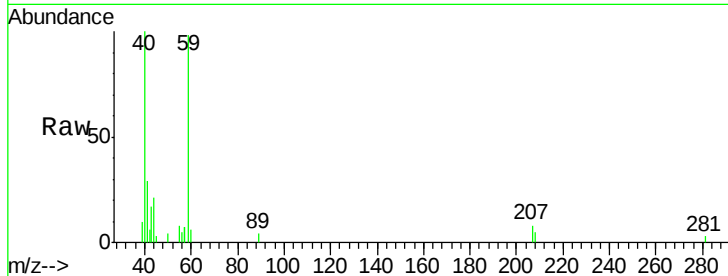


#11

Tert butyl alcohol
 Concen: 61.99 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

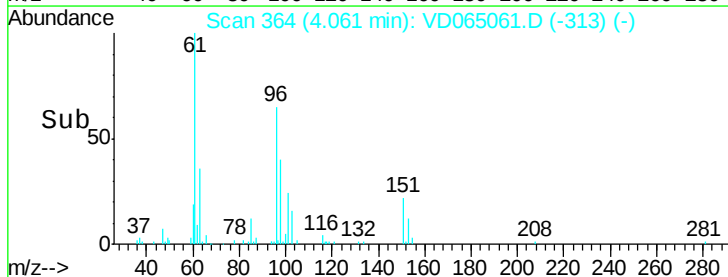
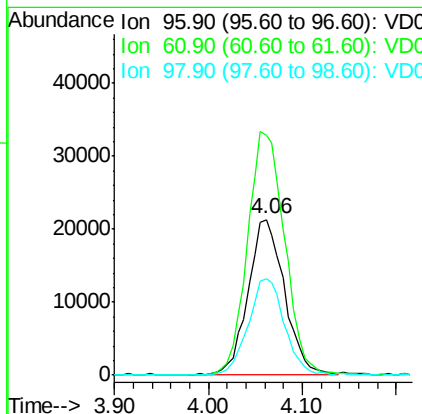
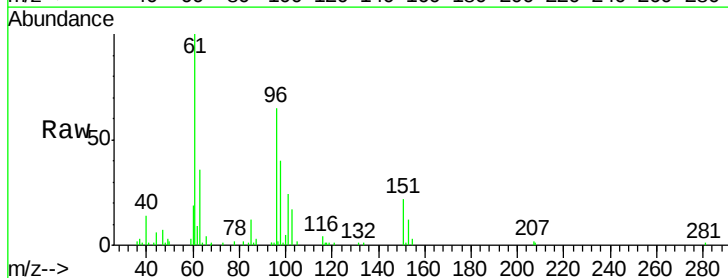
Tgt Ion: 59 Resp: 19730
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.8 13.2#



#12

1,1-Dichloroethene
 Concen: 10.61 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 96 Resp: 57477
 Ion Ratio Lower Upper
 96 100
 61 154.5 131.4 197.2
 98 62.3 51.1 76.7





#13

Acrolein

Concen: 50.37 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

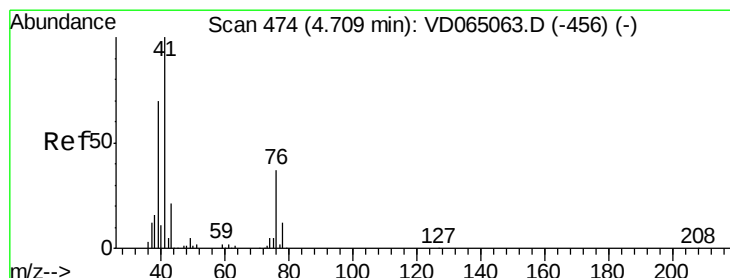
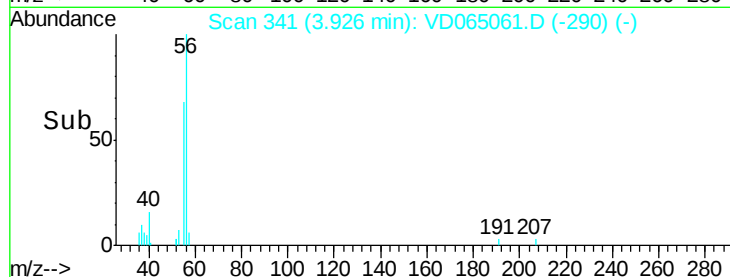
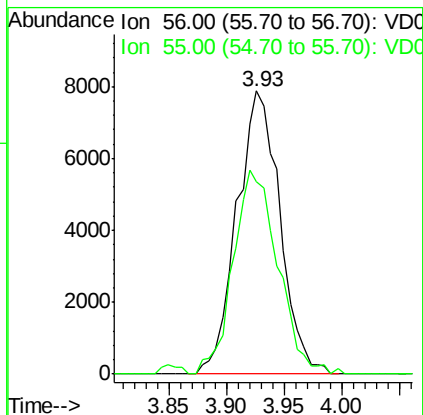
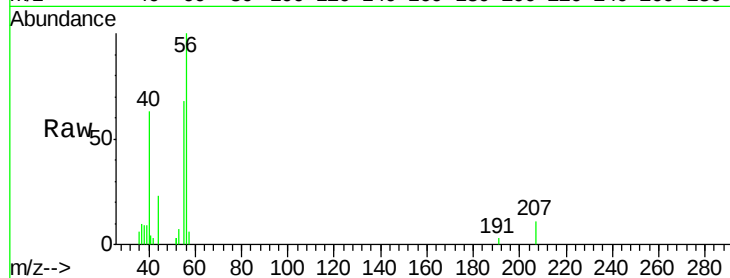
VSTDIC010

Tgt Ion: 56 Resp: 20475

Ion Ratio Lower Upper

56 100

55 74.7 58.2 87.2



#14

Allyl chloride

Concen: 10.75 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

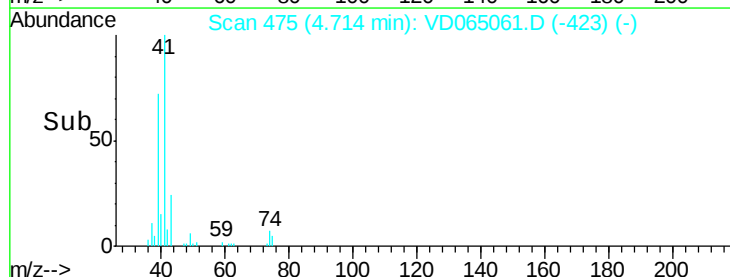
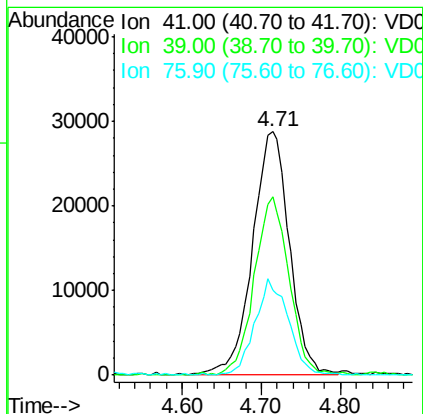
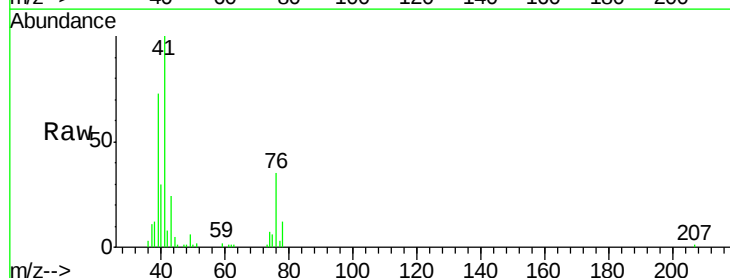
Tgt Ion: 41 Resp: 93366

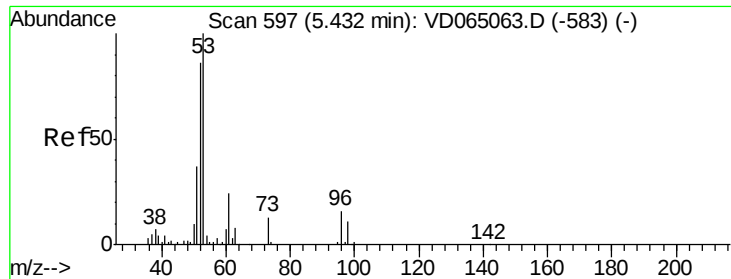
Ion Ratio Lower Upper

41 100

39 68.8 57.1 85.7

76 35.8 28.0 42.0





#15

Acrylonitrile

Concen: 50.22 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

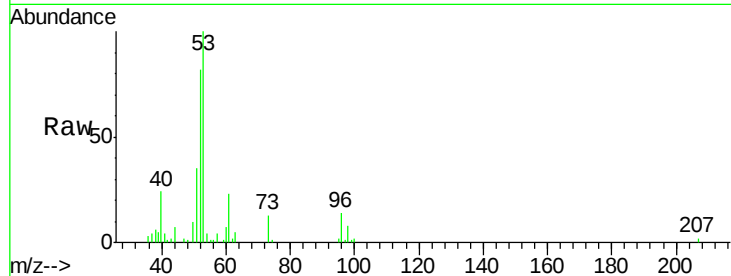
Tgt Ion: 53 Resp: 59206

Ion Ratio Lower Upper

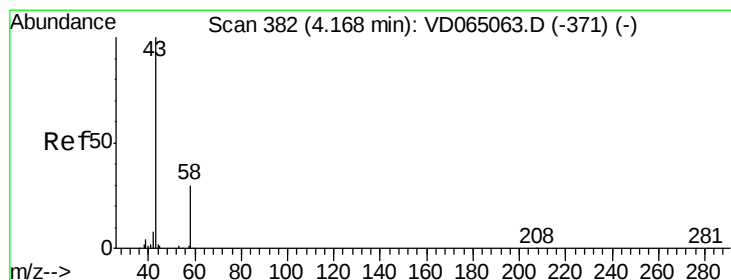
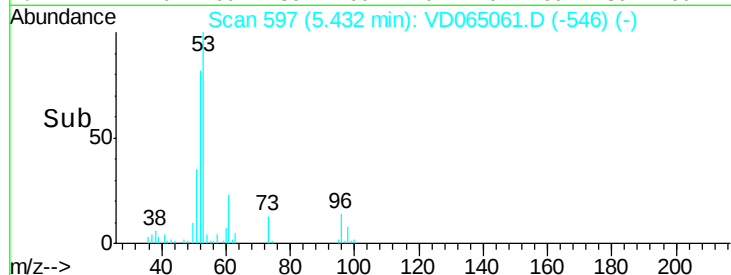
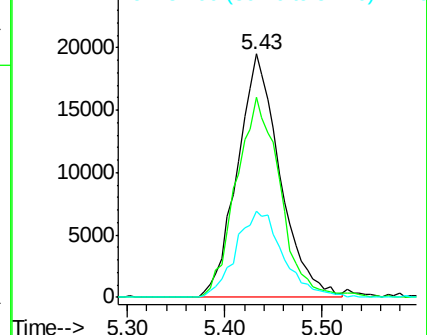
53 100

52 84.2 66.2 99.2

51 39.2 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: 51.64 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065061.D

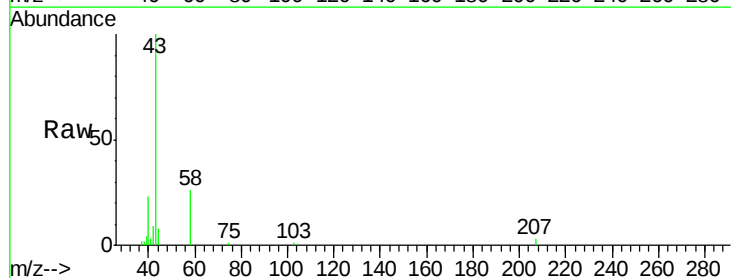
Acq: 05 Feb 2020 12:31

Tgt Ion: 43 Resp: 64405

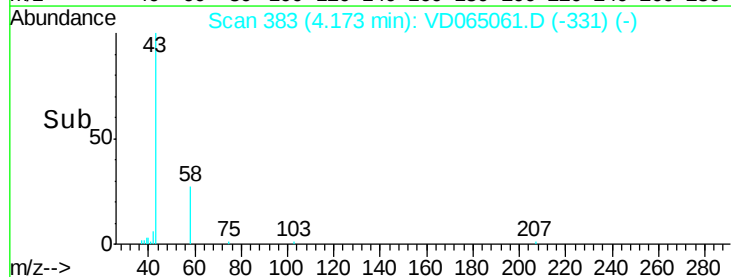
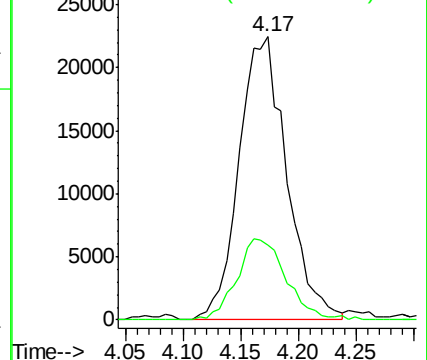
Ion Ratio Lower Upper

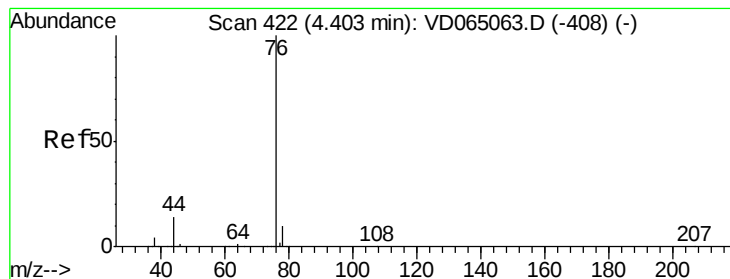
43 100

58 26.3 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: 10.22 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

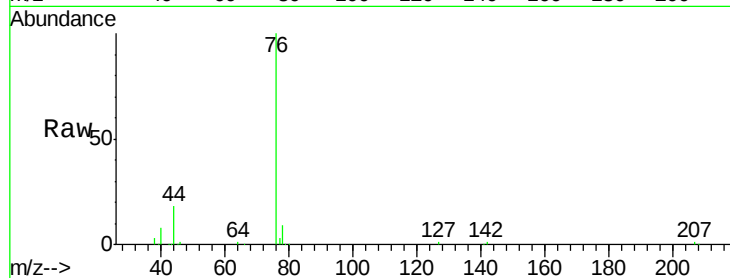
VSTDIC010

Tgt Ion: 76 Resp: 181599

Ion Ratio Lower Upper

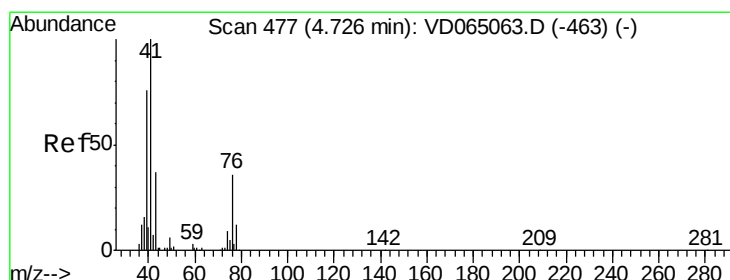
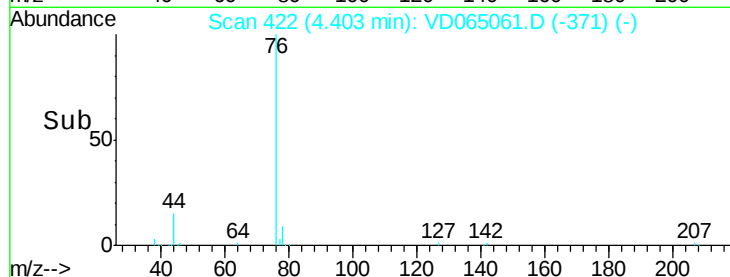
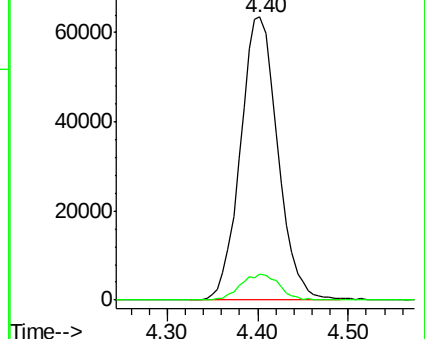
76 100

78 9.4 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.13 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065061.D

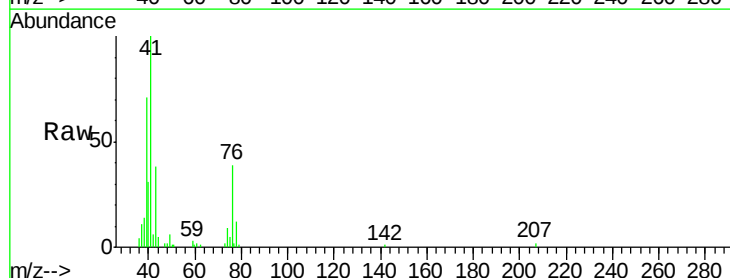
Acq: 05 Feb 2020 12:31

Tgt Ion: 43 Resp: 27932

Ion Ratio Lower Upper

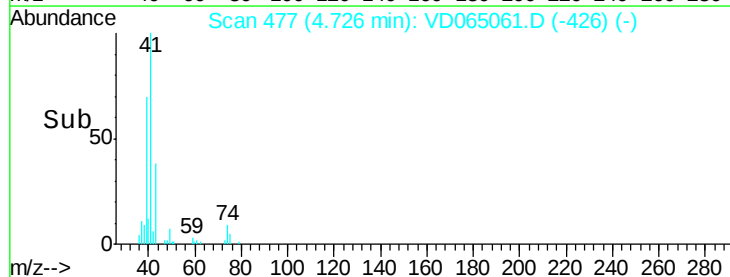
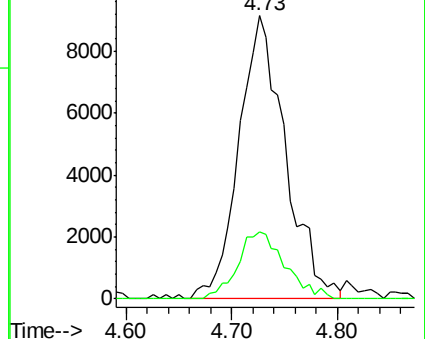
43 100

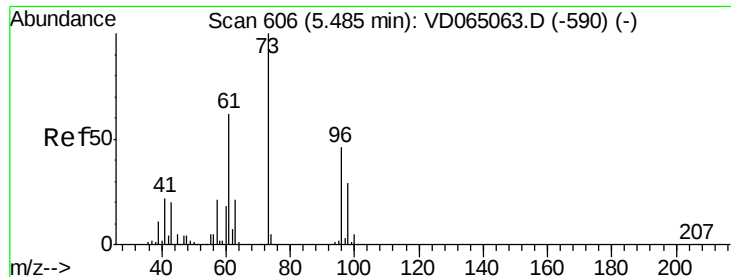
74 24.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

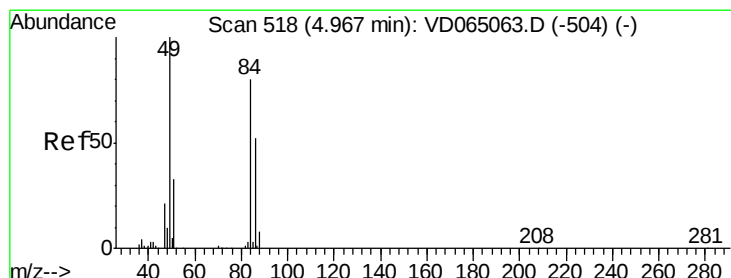
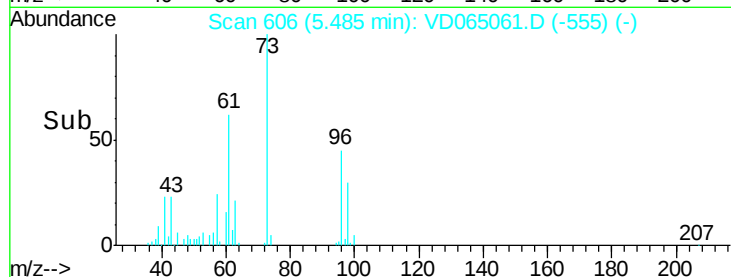
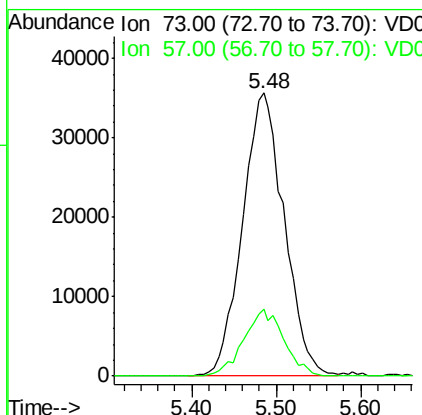
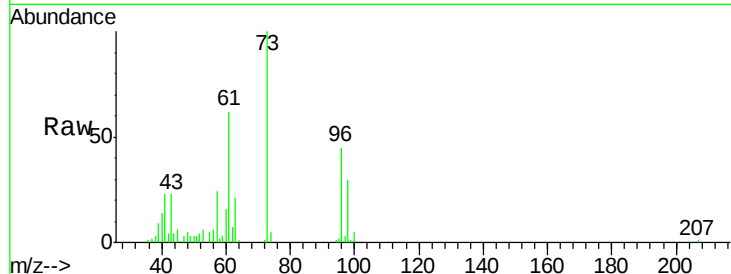




#19
Methyl tert-butyl Ether
Concen: 10.20 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

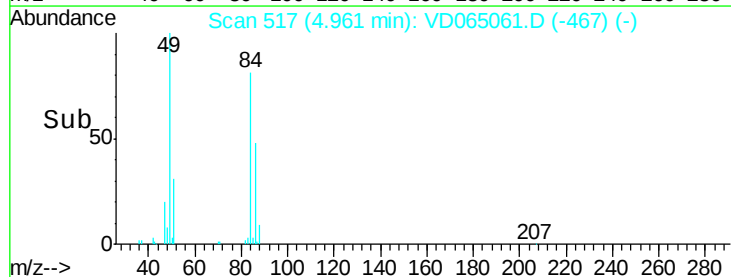
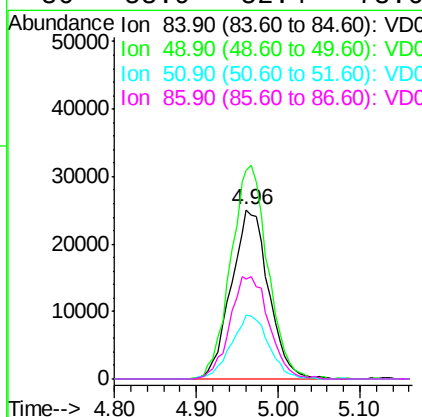
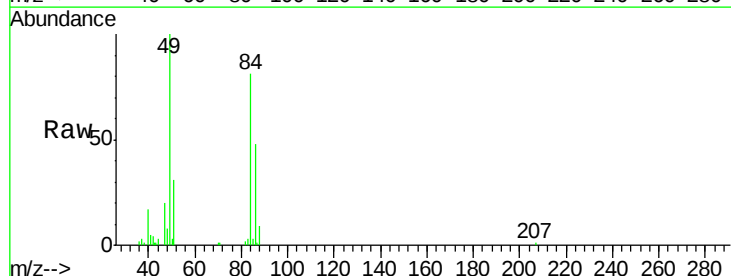
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

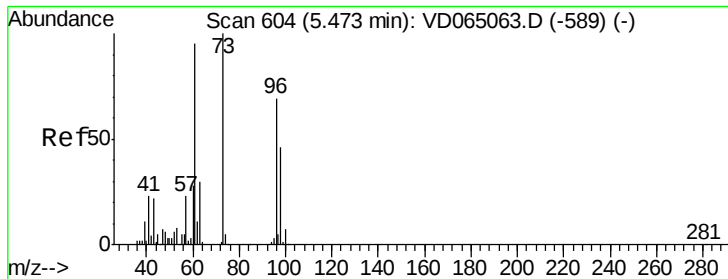
Tgt Ion: 73 Resp: 122237
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2



#20
Methylene Chloride
Concen: 11.61 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 84 Resp: 79936
Ion Ratio Lower Upper
84 100
49 123.3 100.4 150.6
51 37.6 32.7 49.1
86 58.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 10.31 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

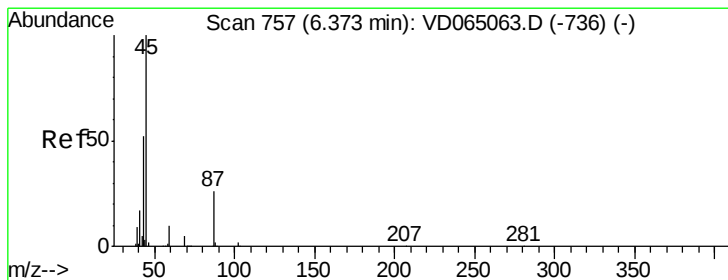
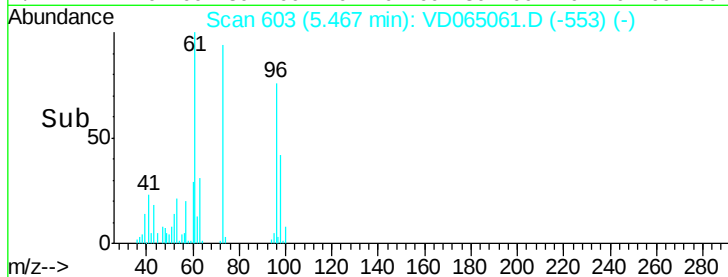
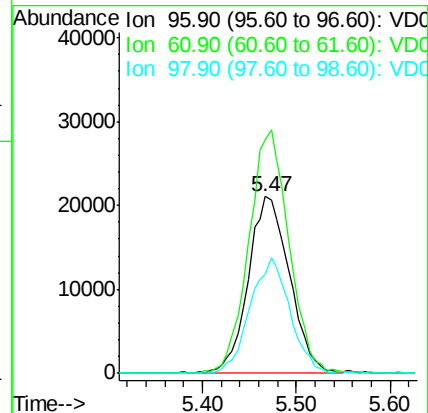
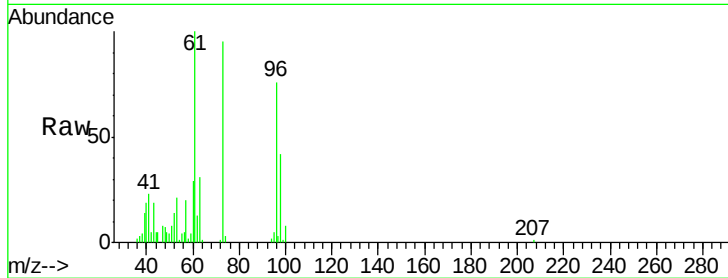
Tgt Ion: 96 Resp: 63955

Ion Ratio Lower Upper

96 100

61 132.3 109.5 164.3

98 55.9 53.7 80.5



#22

Diisopropyl ether

Concen: 10.25 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion: 45 Resp: 175333

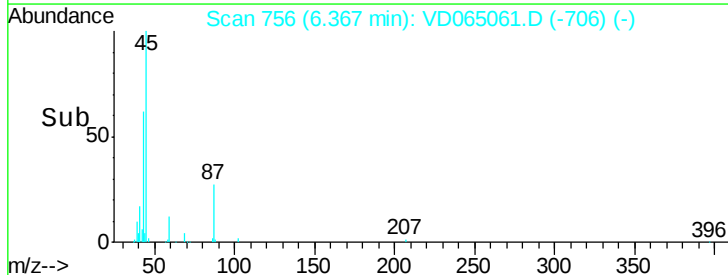
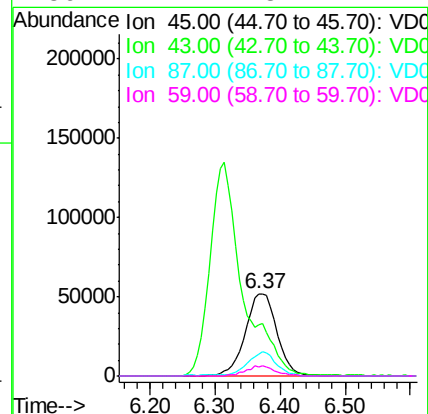
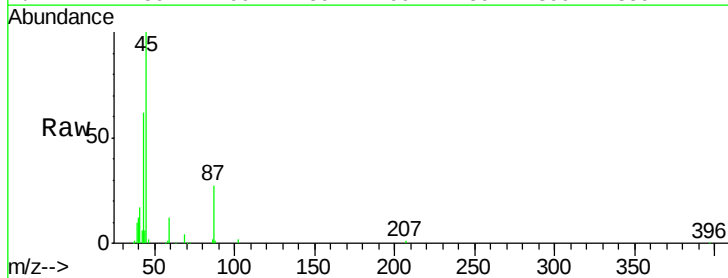
Ion Ratio Lower Upper

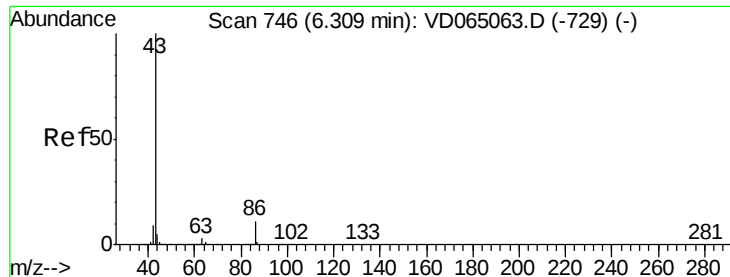
45 100

43 60.9 41.3 61.9

87 26.9 21.0 31.6

59 11.7 8.2 12.4

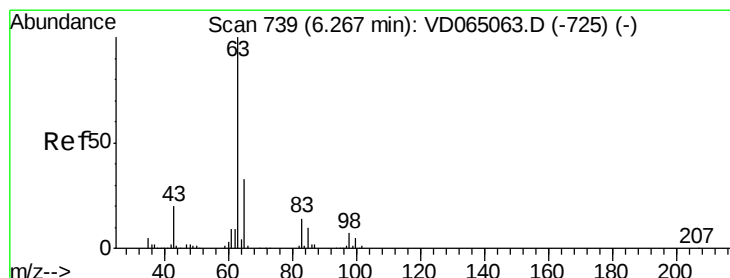
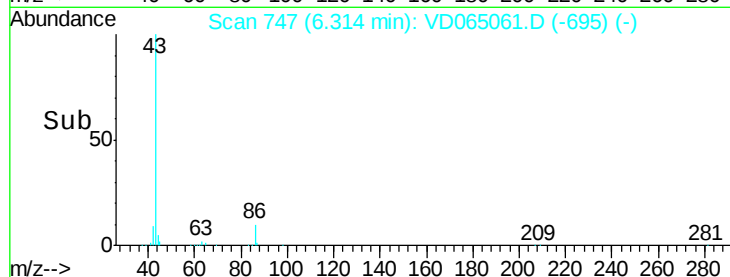
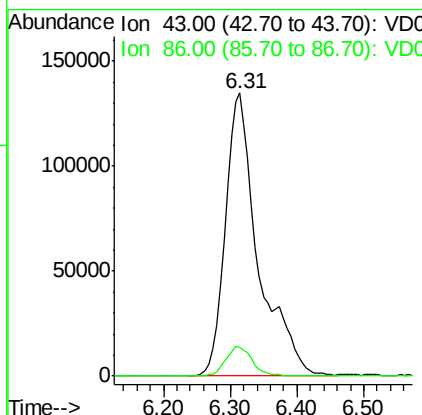
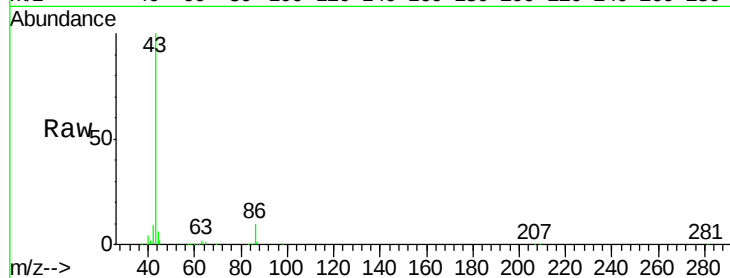




#23
 Vinyl Acetate
 Concen: 47.07 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

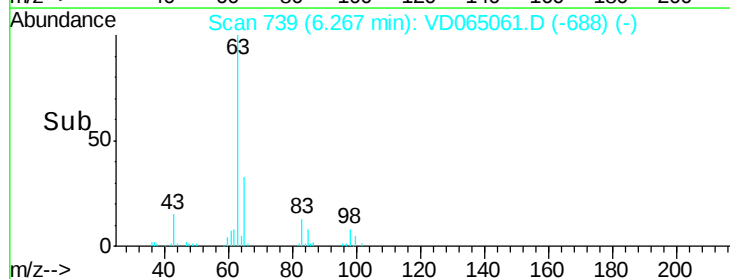
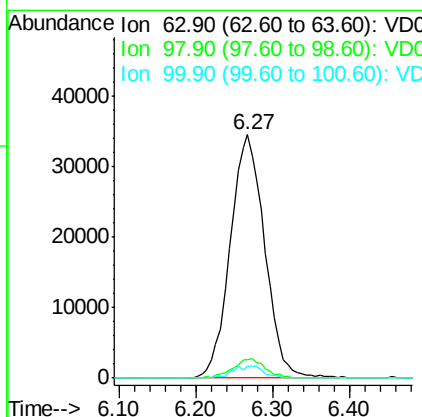
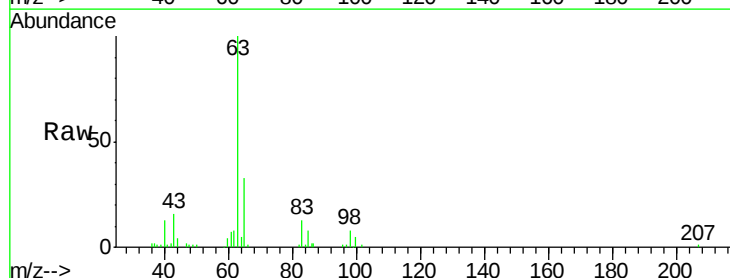
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

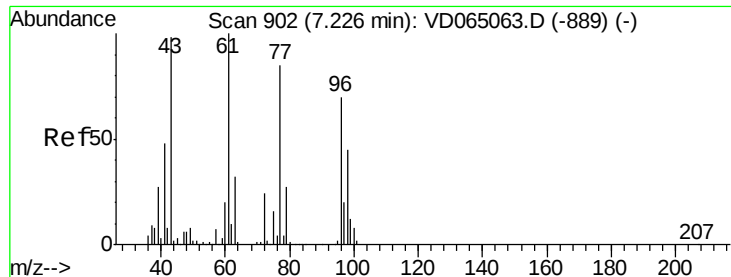
Tgt Ion: 43 Resp: 466768
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 10.29 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 63 Resp: 107999
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.4
 100 4.7 2.5 7.6





#25

2-Butanone

Concen: 50.72 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

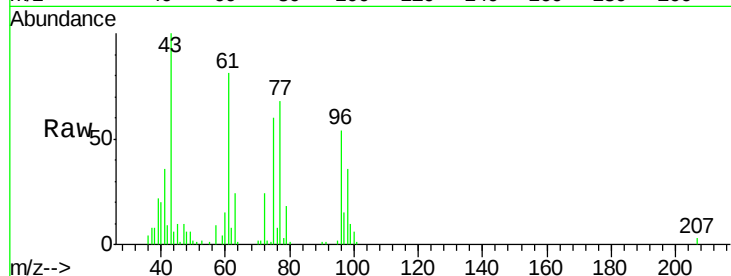
VSTDIC010

Tgt Ion: 43 Resp: 79951

Ion Ratio Lower Upper

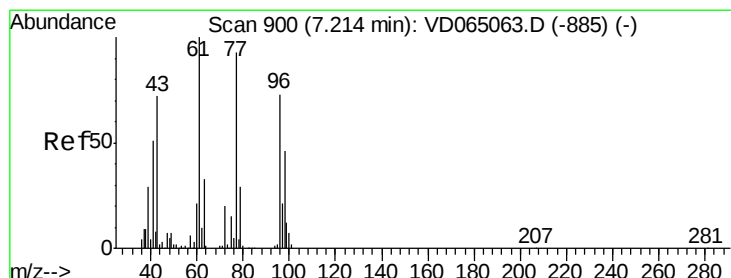
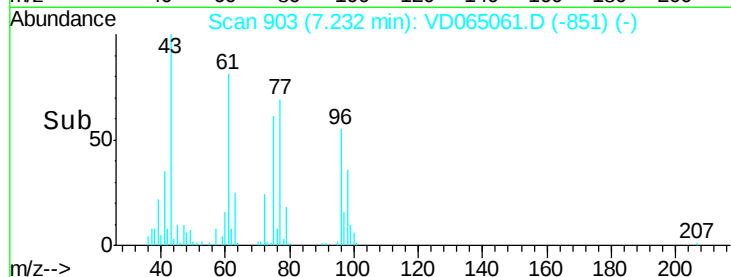
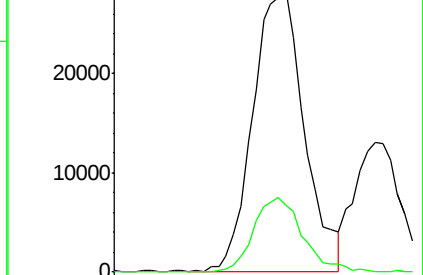
43 100

72 23.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.84 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065061.D

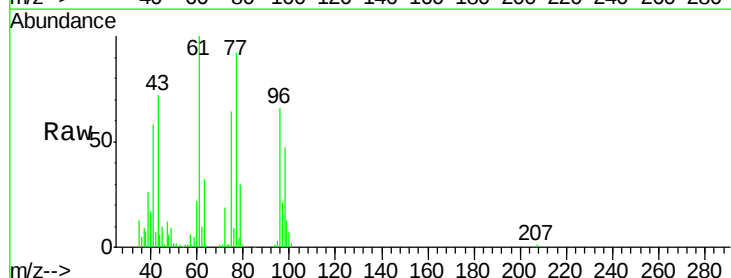
Acq: 05 Feb 2020 12:31

Tgt Ion: 77 Resp: 94221

Ion Ratio Lower Upper

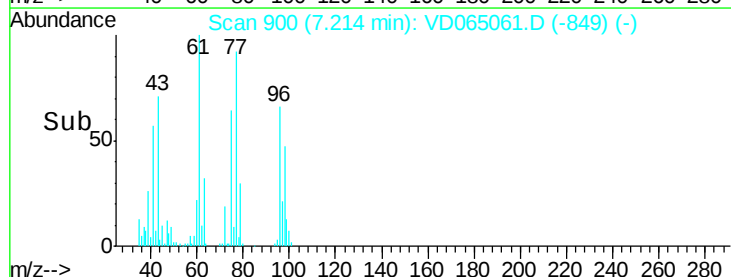
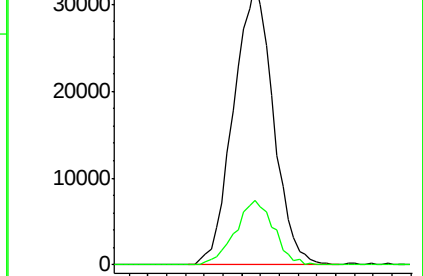
77 100

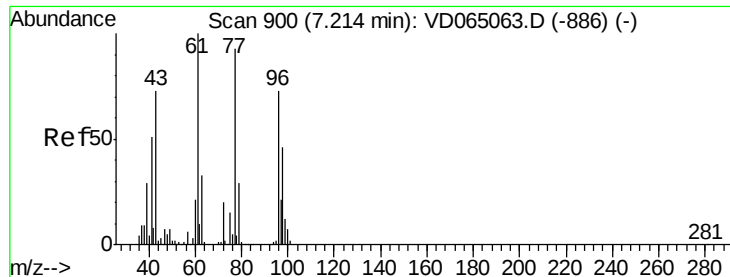
97 22.4 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



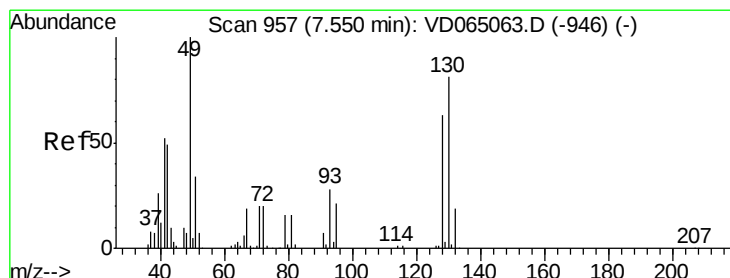
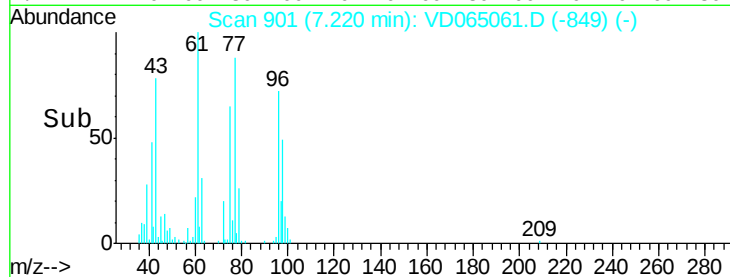
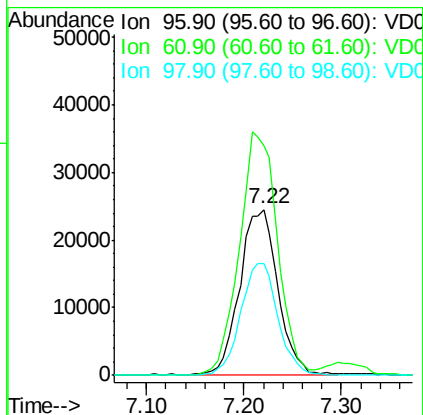
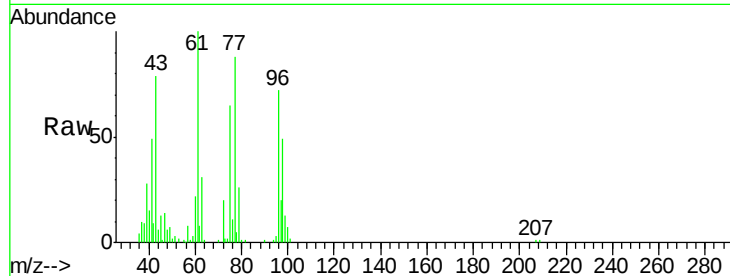


#27

cis-1,2-Dichloroethene
 Concen: 10.10 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

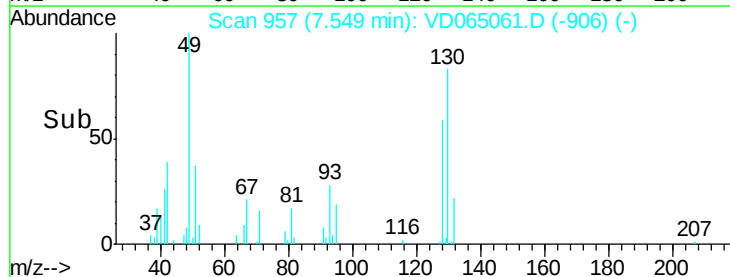
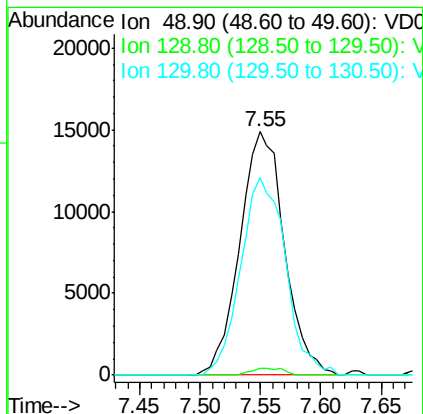
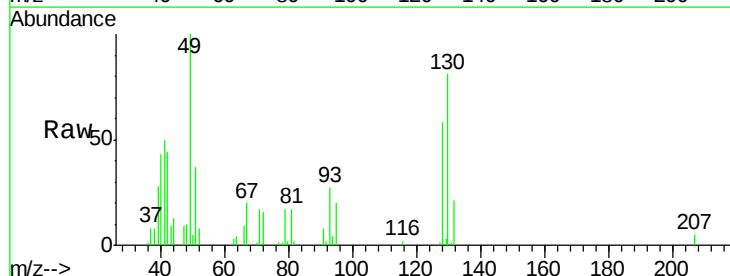
Tgt Ion: 96 Resp: 67024
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 292.8
 98 65.5 0.0 128.8

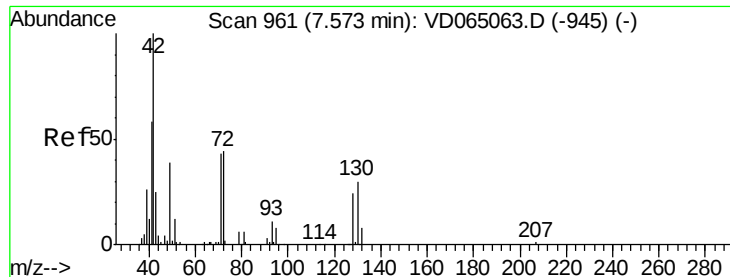


#28

Bromochloromethane
 Concen: 9.46 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 49 Resp: 38403
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.4
 130 81.5 63.8 95.8

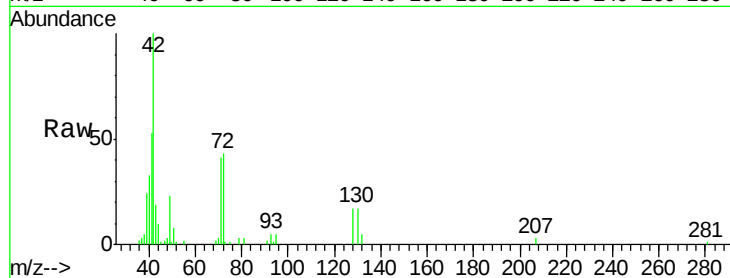




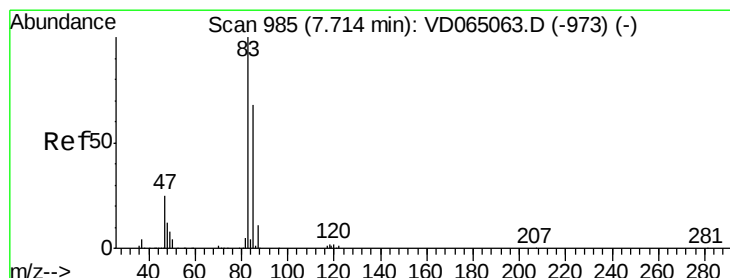
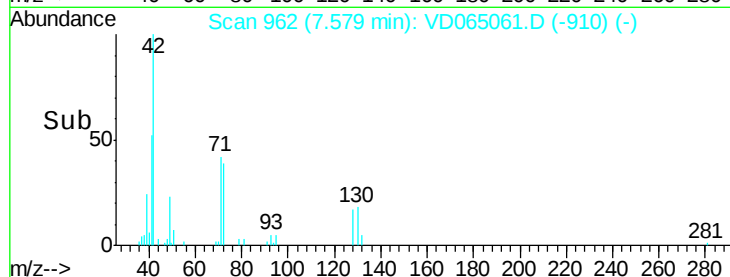
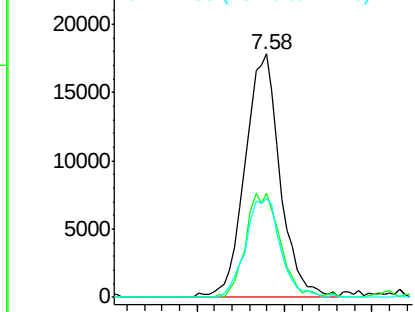
#29
Tetrahydrofuran
Concen: 49.70 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 48538
Ion Ratio Lower Upper
42 100
72 41.8 34.2 51.4
71 40.1 31.8 47.6

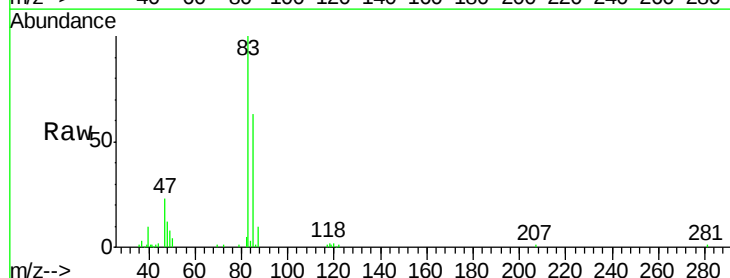


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

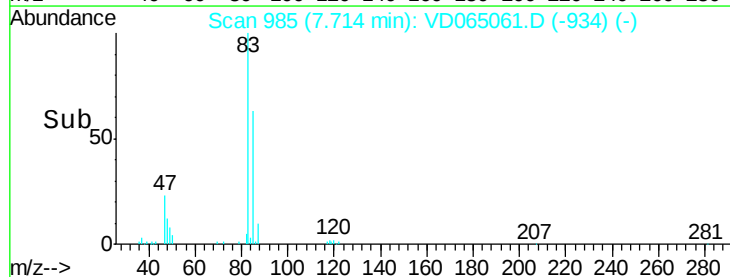
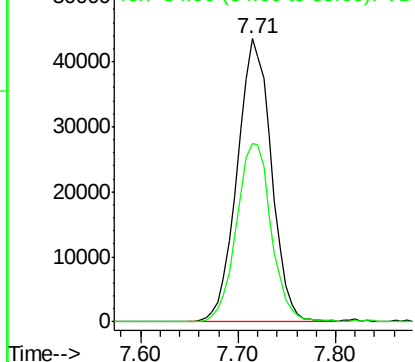


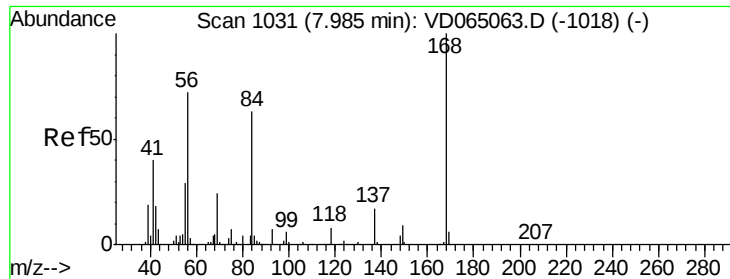
#30
Chloroform
Concen: 9.88 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 83 Resp: 106778
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

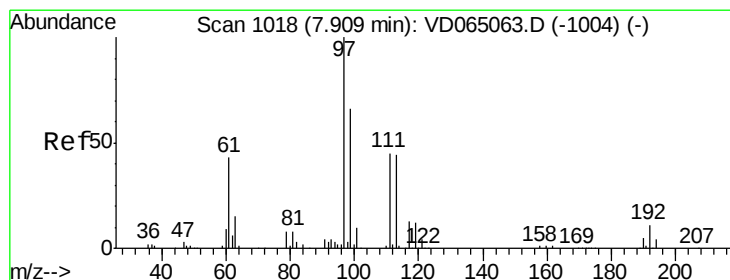
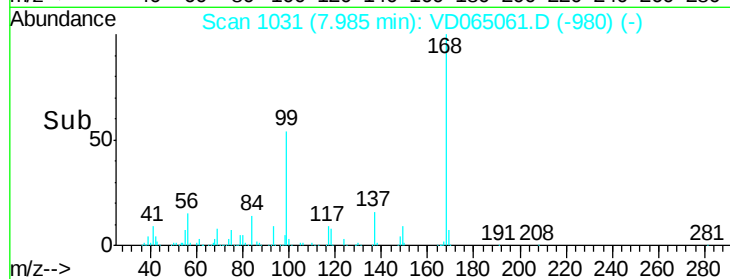
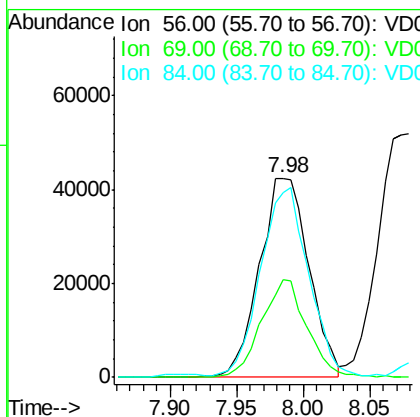
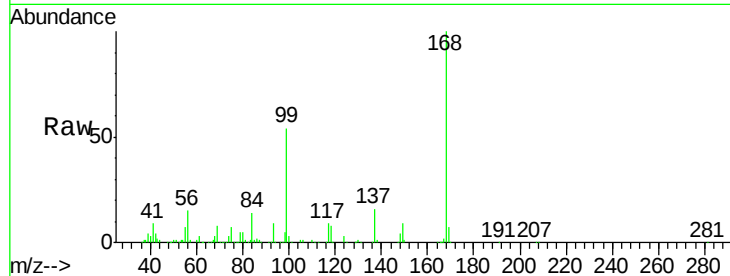




#31
Cyclohexane
Concen: 10.51 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

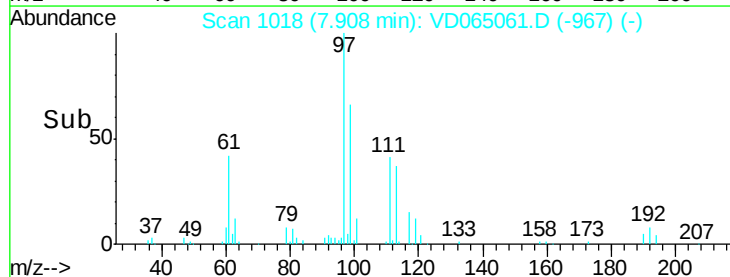
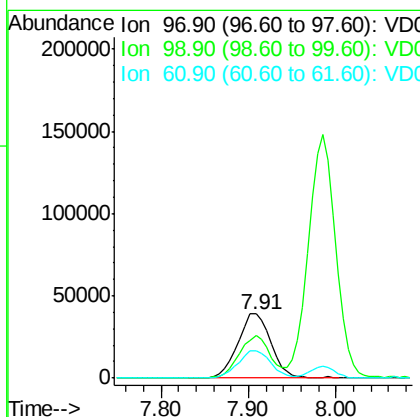
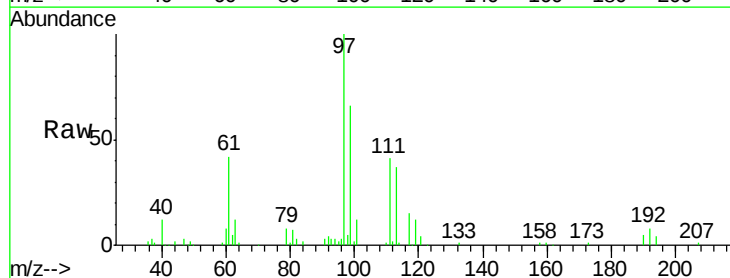
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

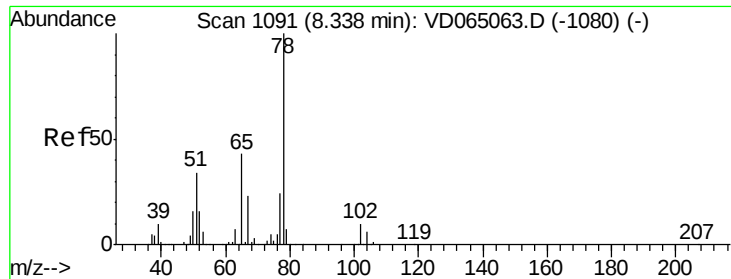
Tgt Ion: 56 Resp: 109310
Ion Ratio Lower Upper
56 100
69 48.9 26.6 40.0#
84 91.6 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 9.96 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 97 Resp: 100209
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 42.5 34.8 52.2

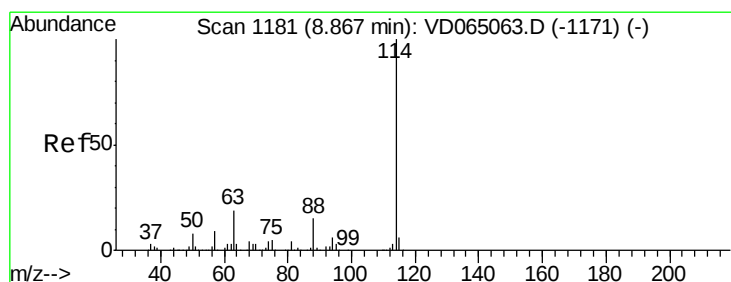
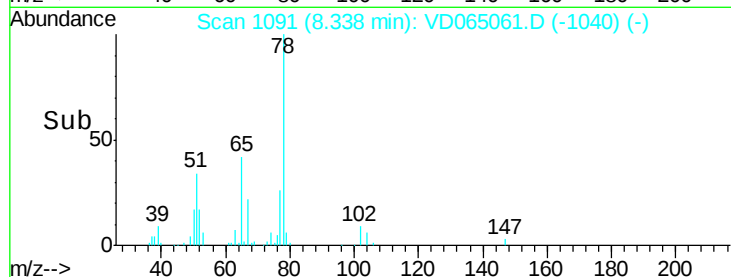
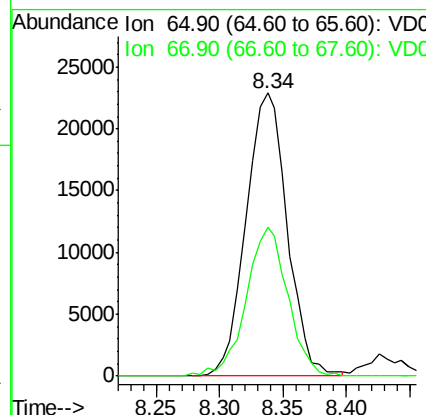
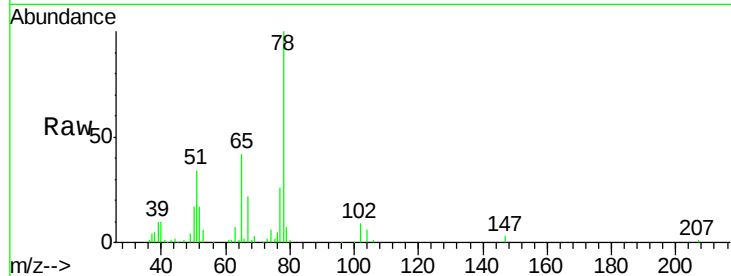




#33
 1,2-Dichloroethane-d4
 Concen: 8.92 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

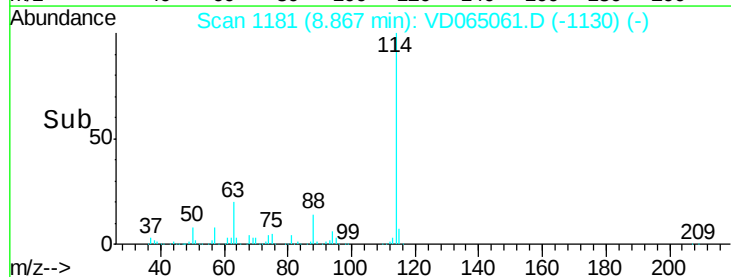
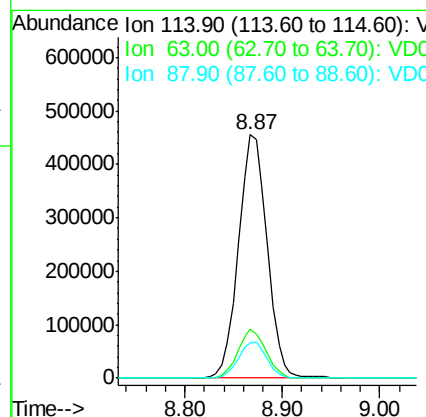
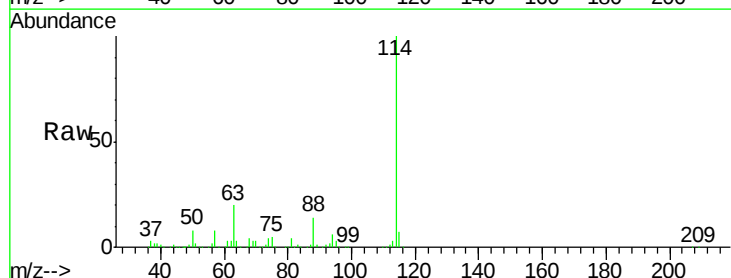
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

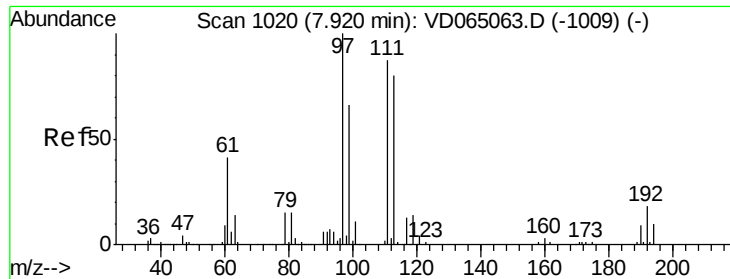
Tgt Ion: 65 Resp: 51820
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 114 Resp: 926375
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.8
 88 14.2 0.0 29.6

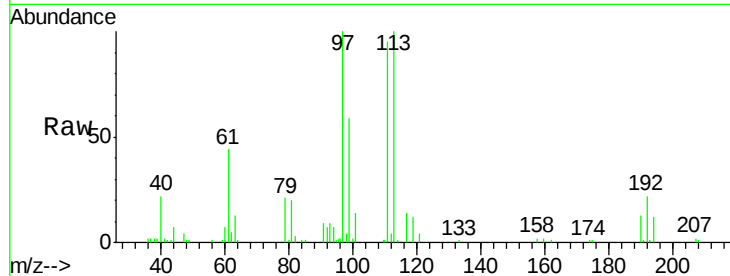




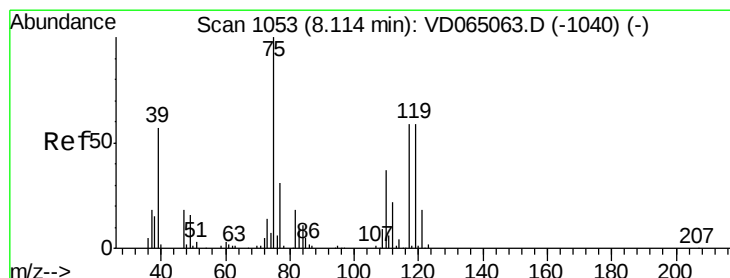
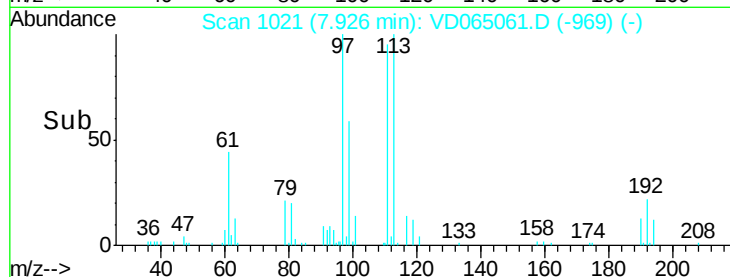
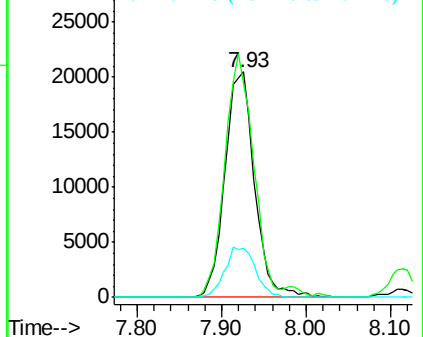
#35
 Dibromofluoromethane
 Concen: 8.68 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 113 Resp: 49611
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.1 124.7
 192 23.0 18.1 27.1

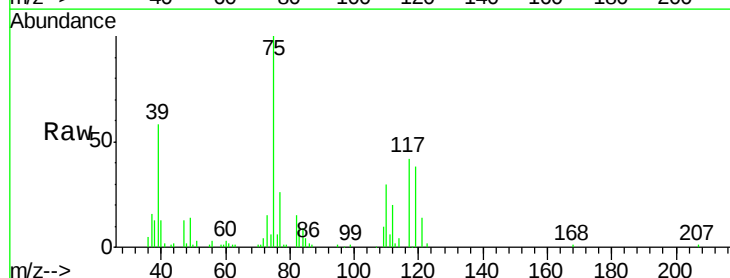


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

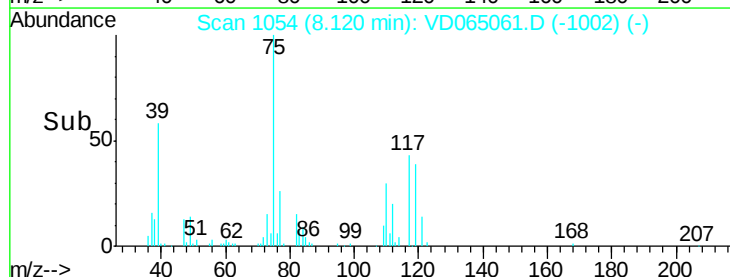
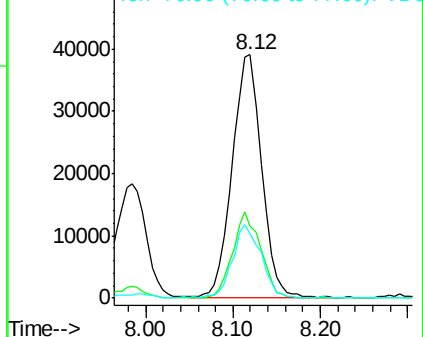


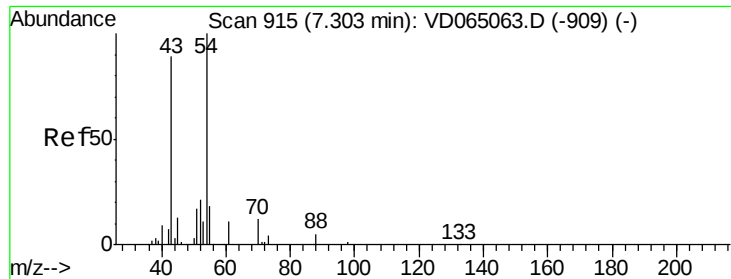
#36
 1,1-Dichloropropene
 Concen: 10.02 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 75 Resp: 89377
 Ion Ratio Lower Upper
 75 100
 110 33.5 18.1 54.3
 77 29.4 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

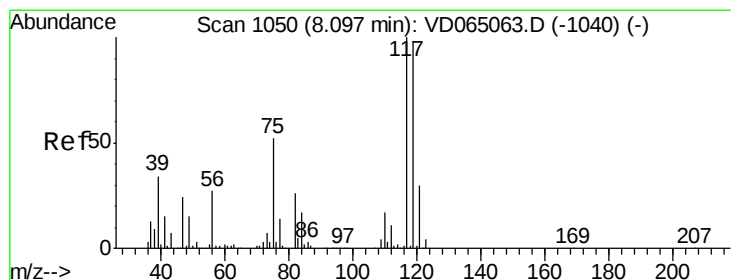
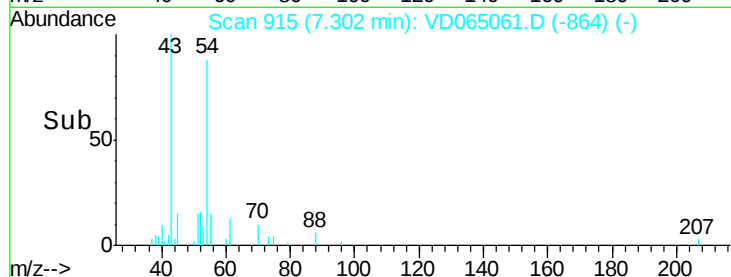
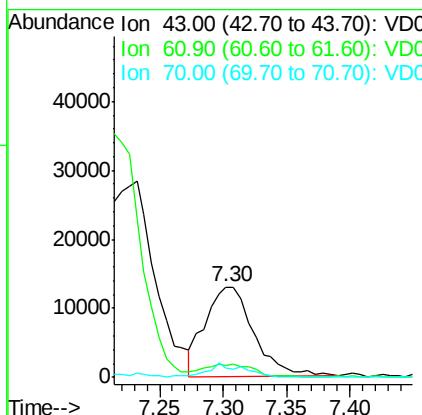
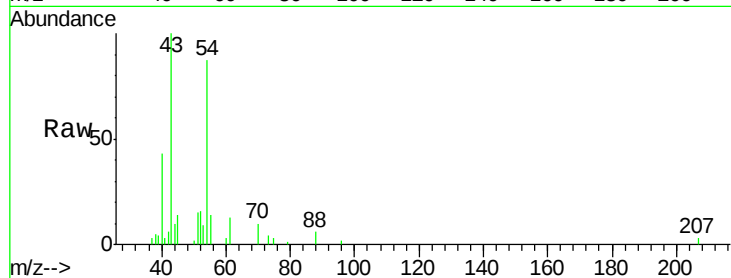




#37
Ethyl Acetate
Concen: 9.33 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

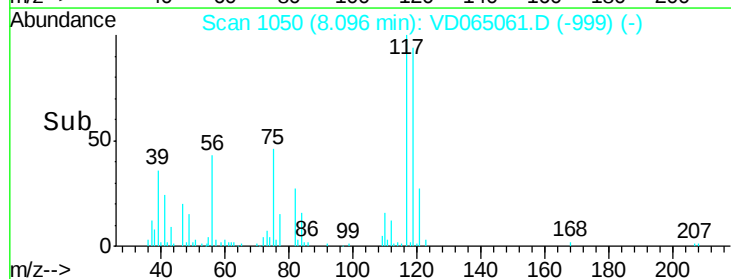
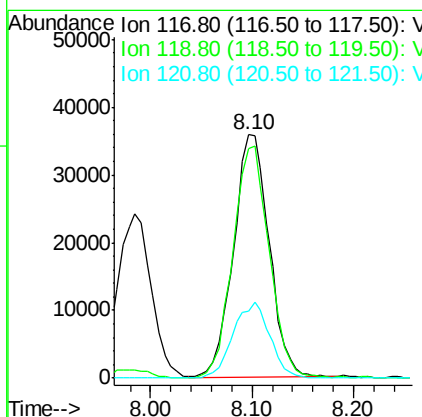
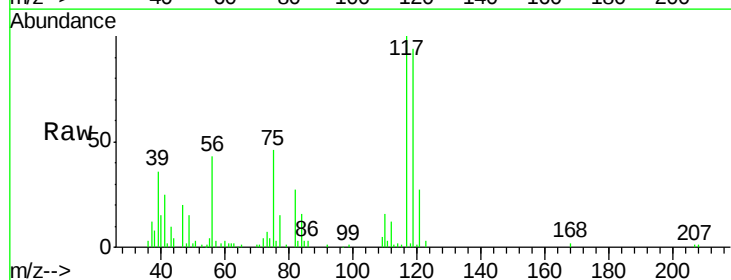
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

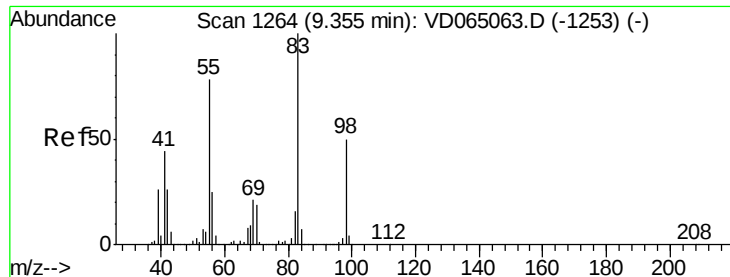
Tgt Ion: 43 Resp: 34241
Ion Ratio Lower Upper
43 100
61 15.2 11.0 16.4
70 11.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 9.34 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 117 Resp: 87444
Ion Ratio Lower Upper
117 100
119 95.0 78.5 117.7
121 27.6 23.8 35.6

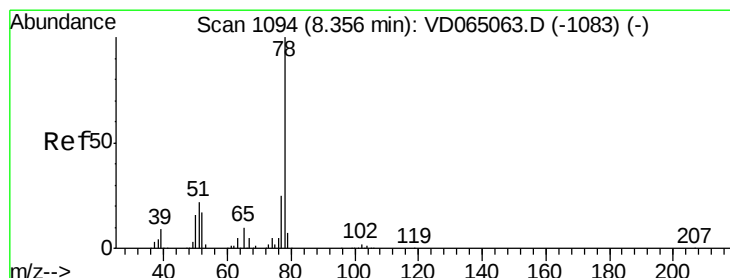
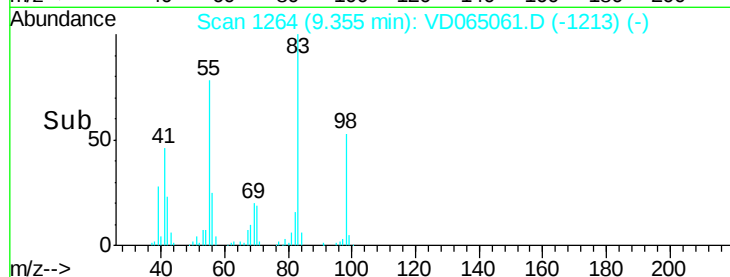
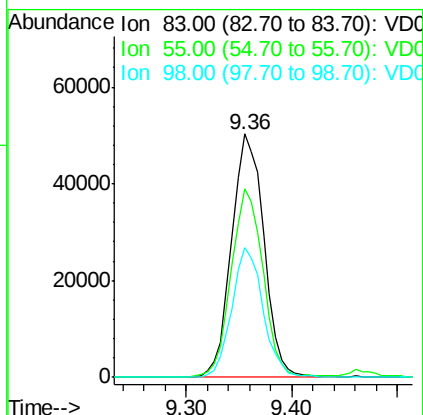
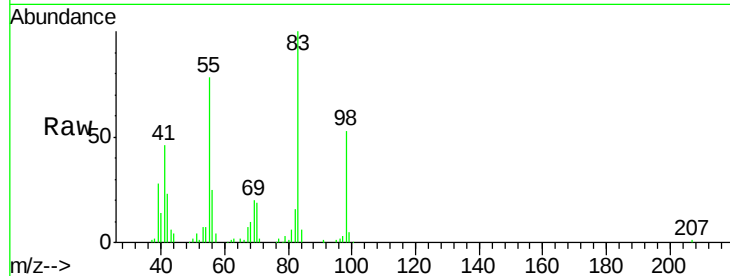




#39
Methylcyclohexane
Concen: 10.15 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

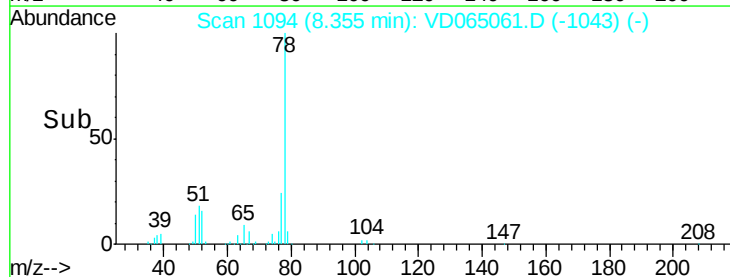
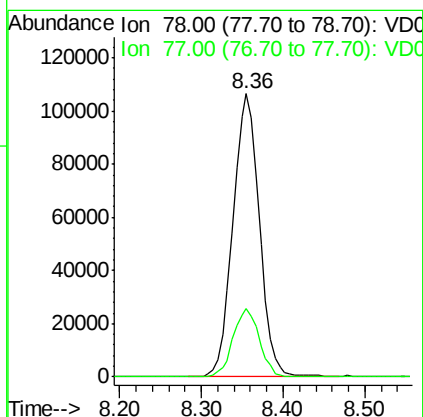
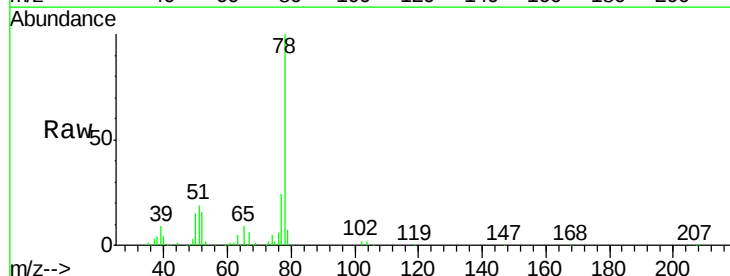
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

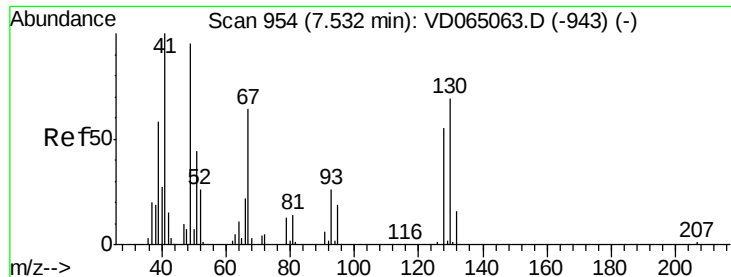
Tgt Ion: 83 Resp: 106734
Ion Ratio Lower Upper
83 100
55 77.7 62.0 93.0
98 53.3 39.9 59.9



#40
Benzene
Concen: 9.77 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 78 Resp: 239640
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4

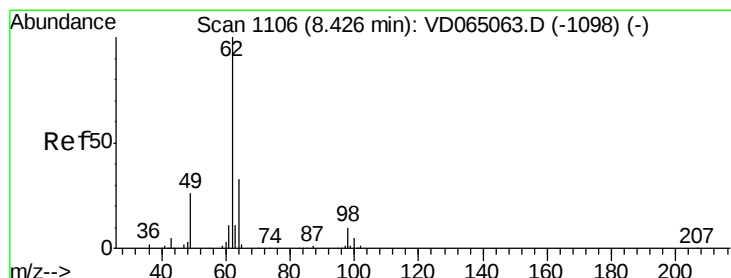
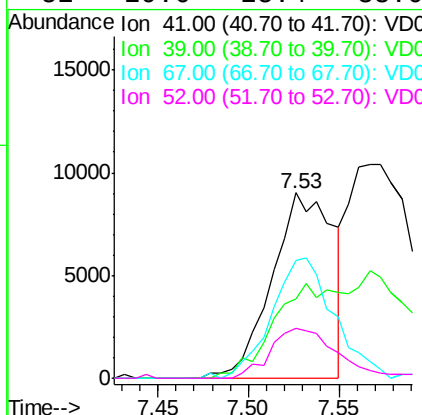
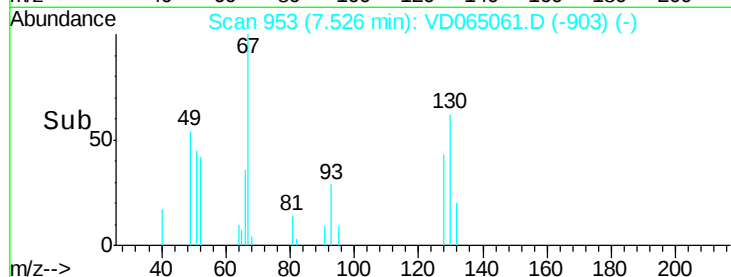
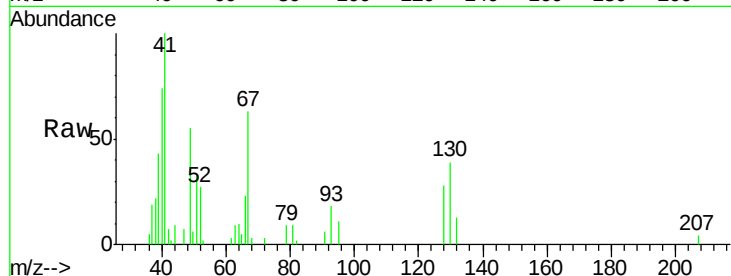




#41
Methacrylonitrile
Concen: 11.03 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

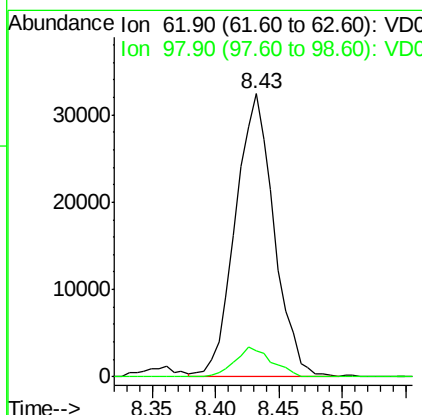
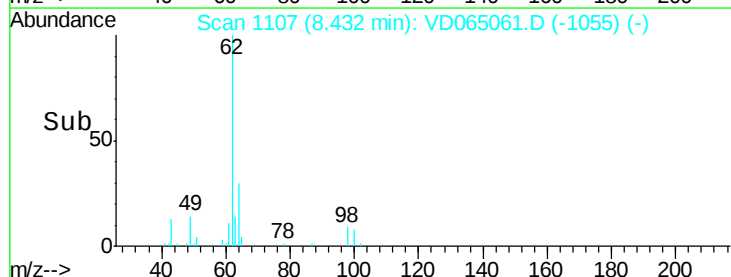
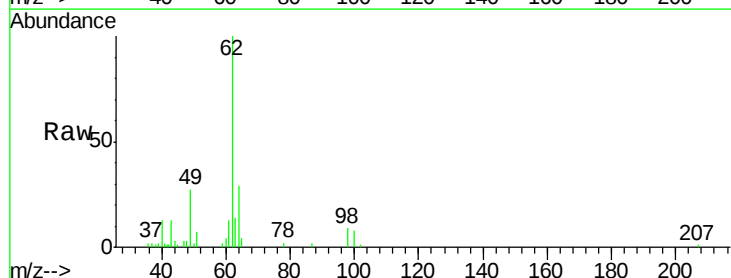
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

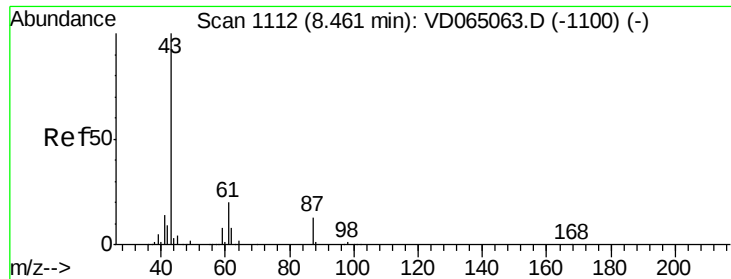
Tgt Ion: 41 Resp: 21302
Ion Ratio Lower Upper
41 100
39 52.1 55.4 83.0#
67 65.7 59.0 88.6
52 29.6 25.4 38.0



#42
1,2-Dichloroethane
Concen: 9.46 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 62 Resp: 68612
Ion Ratio Lower Upper
62 100
98 10.0 0.0 18.6

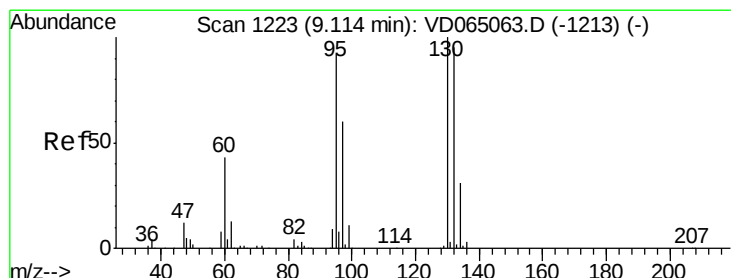
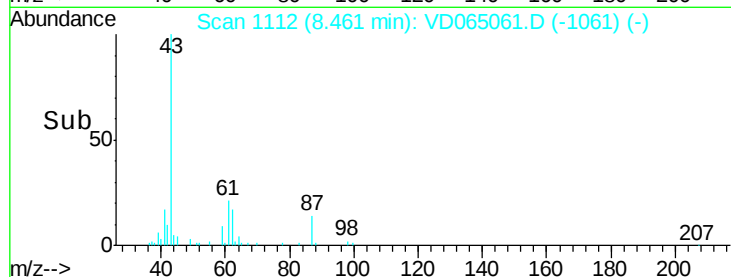
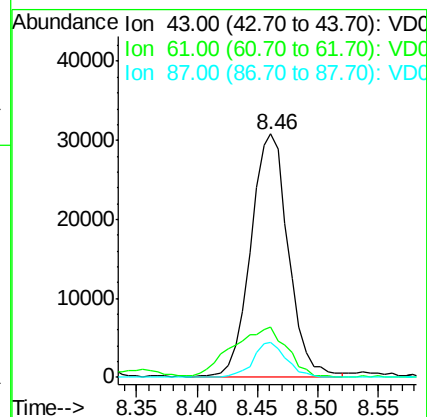
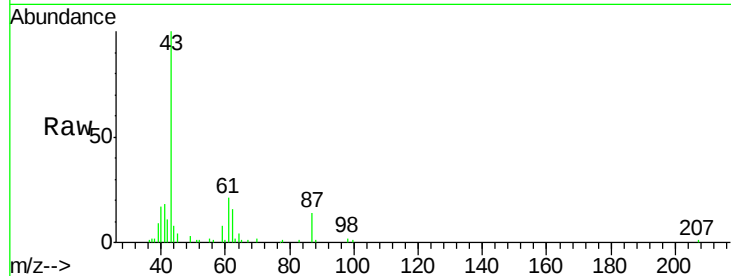




#43
Isopropyl Acetate
Concen: 9.64 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

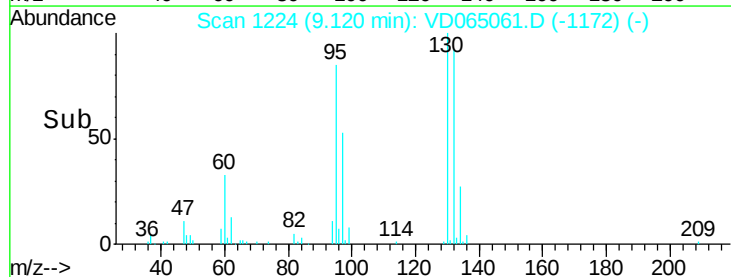
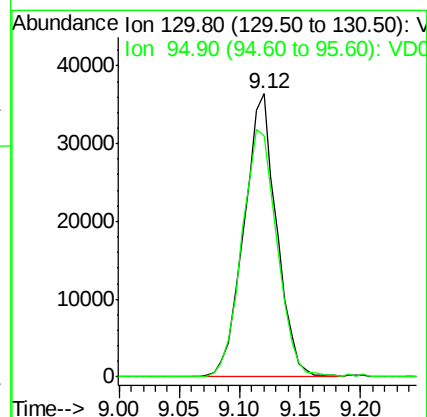
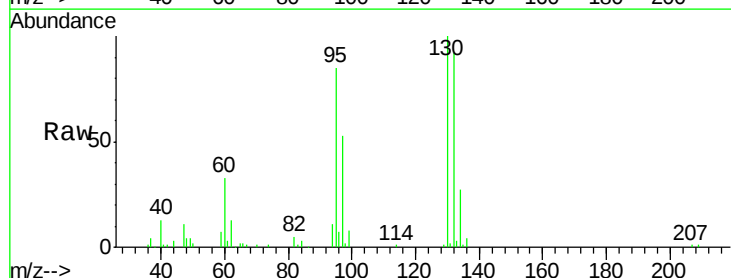
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

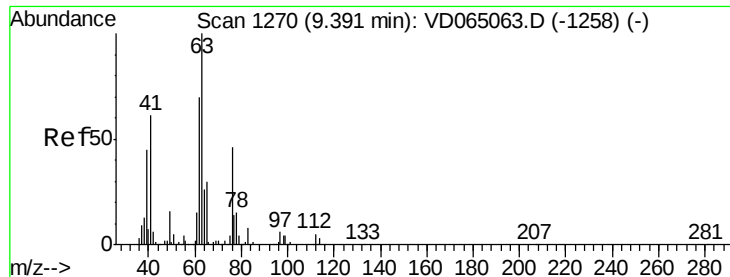
Tgt Ion: 43 Resp: 67169
Ion Ratio Lower Upper
43 100
61 30.1 24.0 36.0
87 12.6 10.2 15.4



#44
Trichloroethene
Concen: 9.97 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 130 Resp: 68949
Ion Ratio Lower Upper
130 100
95 85.1 0.0 185.0





#45

1,2-Dichloropropane

Concen: 9.61 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

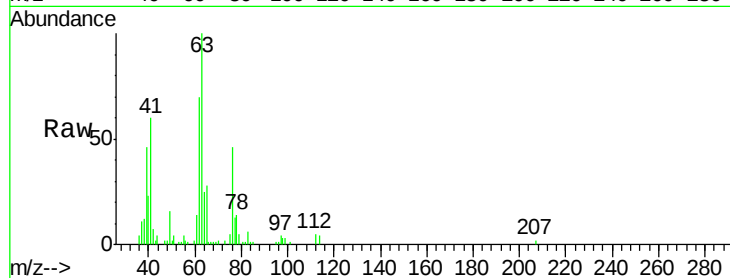
VSTDIC010

Tgt Ion: 63 Resp: 57283

Ion Ratio Lower Upper

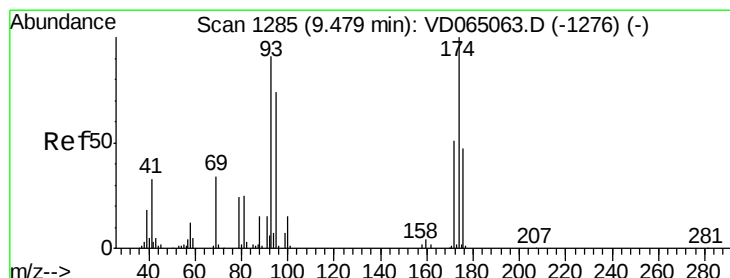
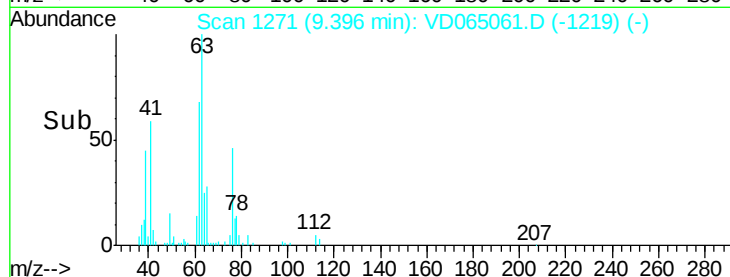
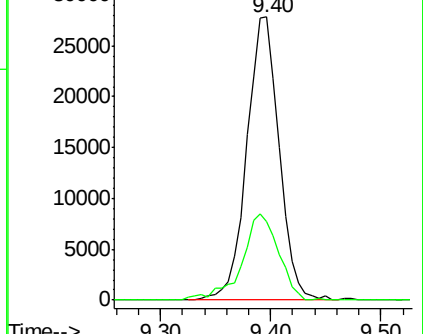
63 100

65 27.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 9.28 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

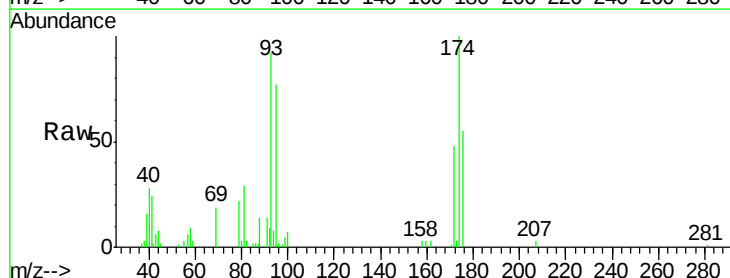
Tgt Ion: 93 Resp: 29962

Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

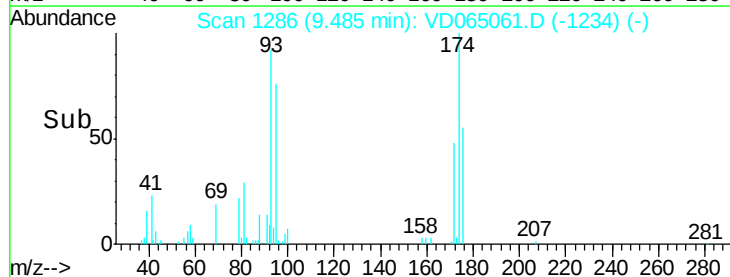
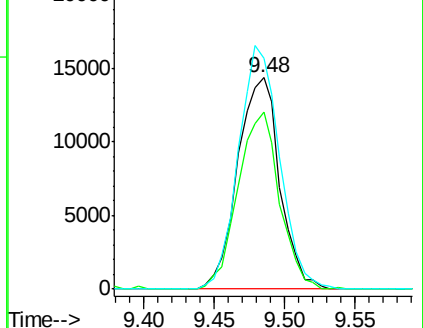
174 112.7 89.8 134.8

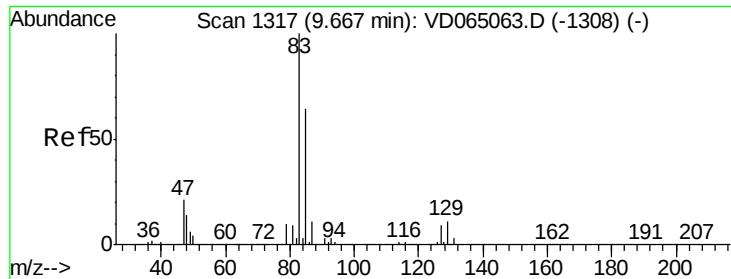


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

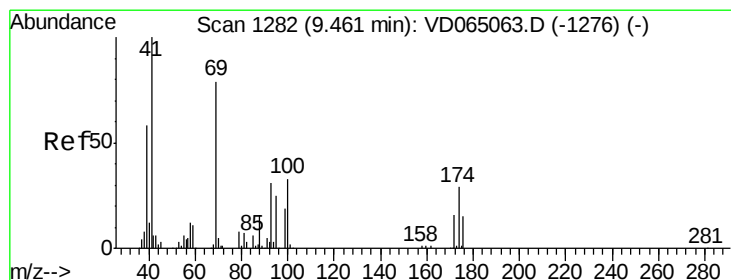
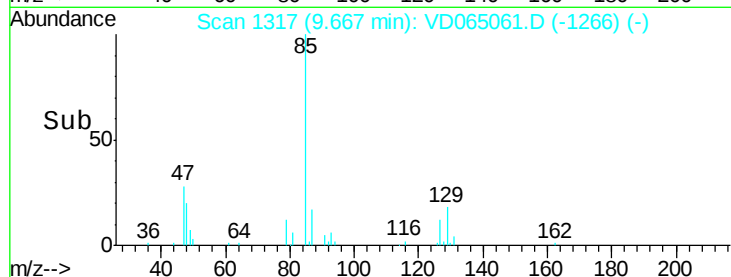
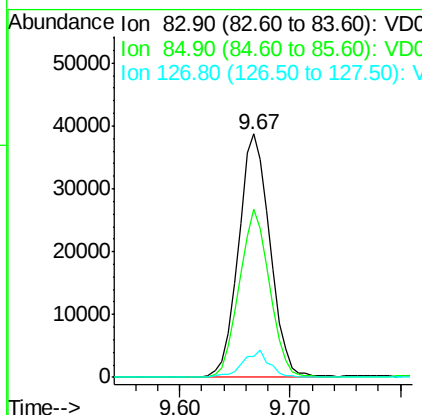
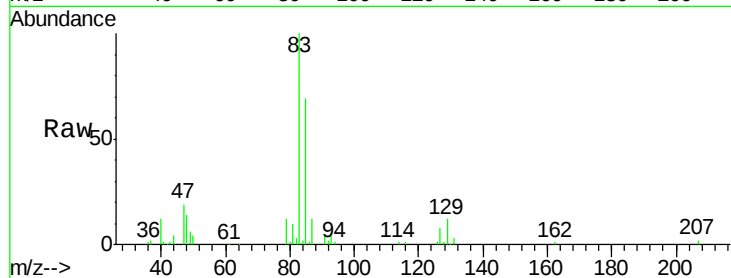




#47
Bromodichloromethane
Concen: 9.26 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

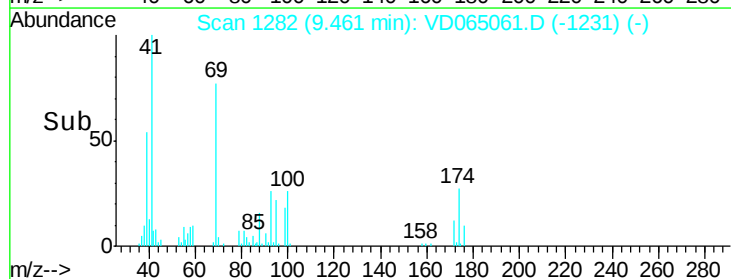
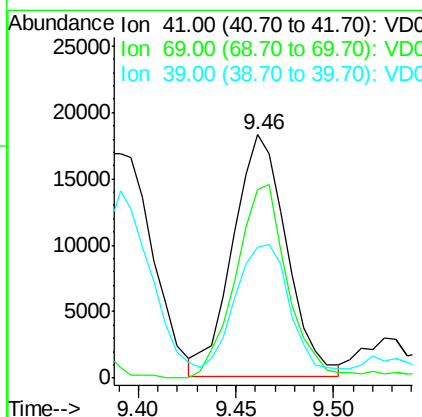
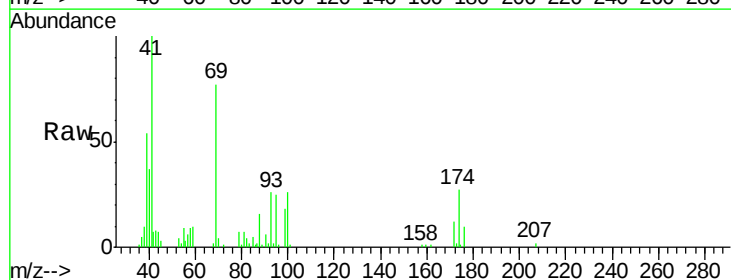
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

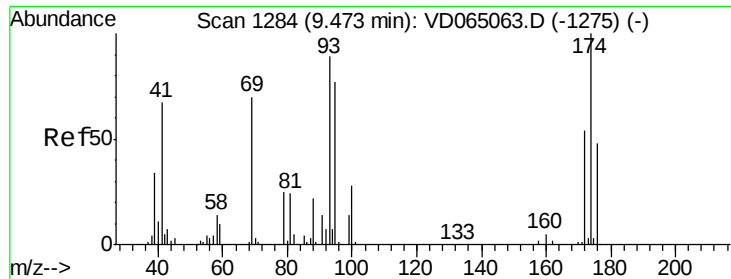
Tgt Ion: 83 Resp: 77873
Ion Ratio Lower Upper
83 100
85 69.0 51.0 76.6
127 8.5 7.3 10.9



#48
Methyl methacrylate
Concen: 10.86 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 41 Resp: 34813
Ion Ratio Lower Upper
41 100
69 76.7 67.5 101.3
39 51.5 47.0 70.4

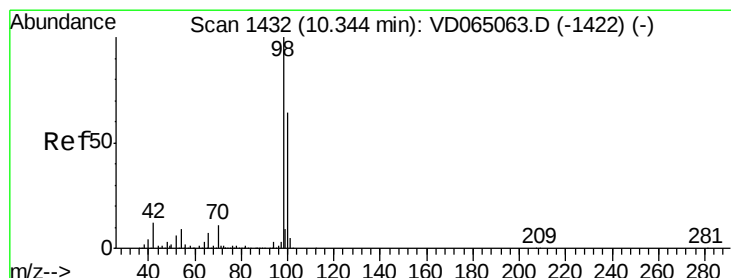
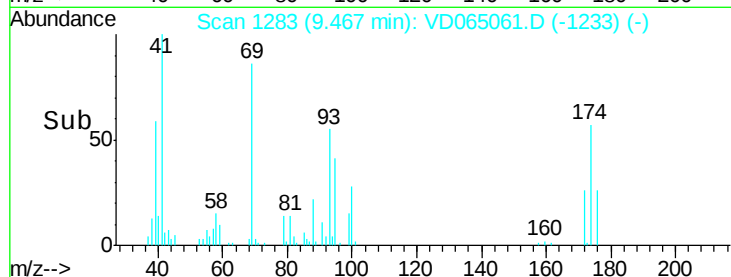
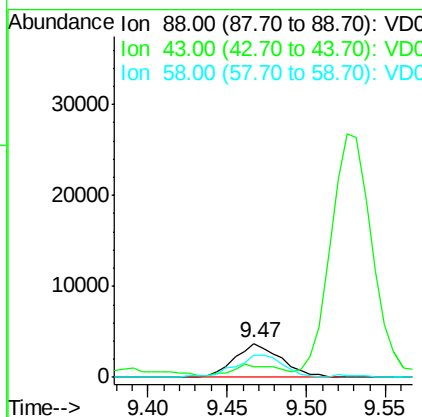
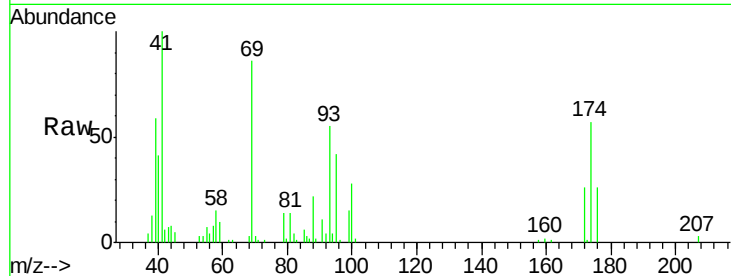




#49
1,4-Dioxane
Concen: 203.95 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

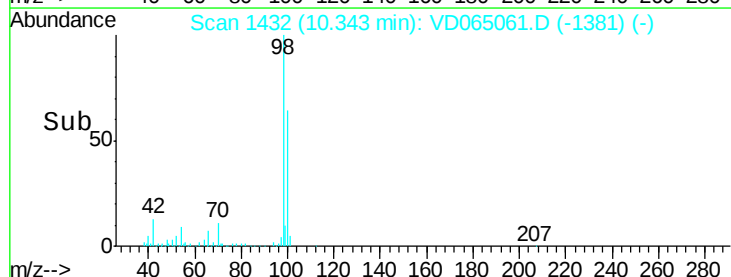
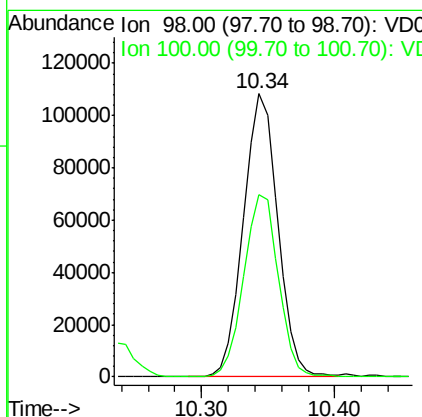
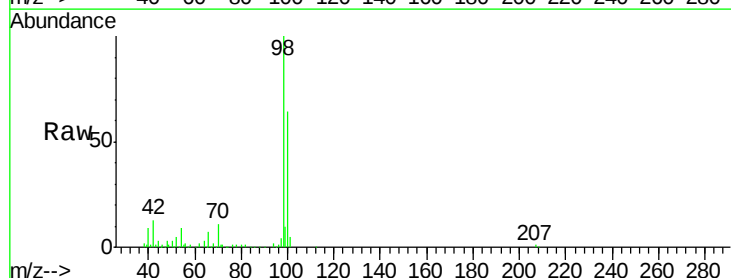
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

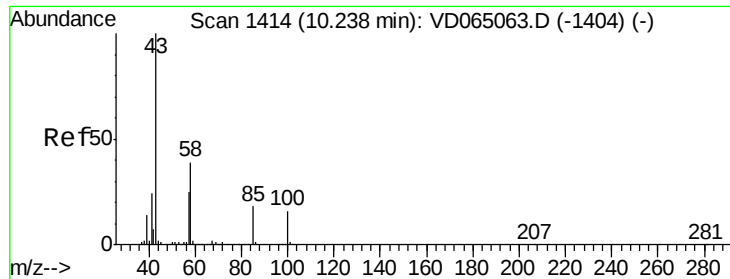
Tgt Ion: 88 Resp: 7571
Ion Ratio Lower Upper
88 100
43 31.3 27.7 41.5
58 68.3 55.5 83.3



#50
Toluene-d8
Concen: 8.70 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 98 Resp: 192536
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

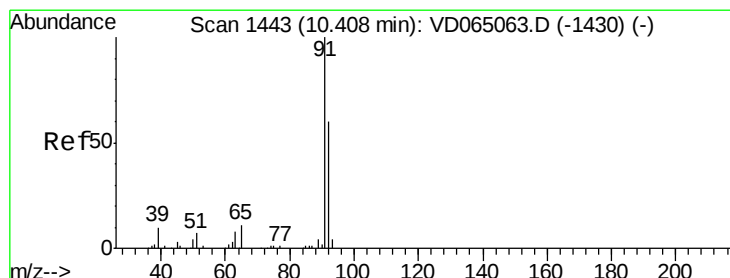
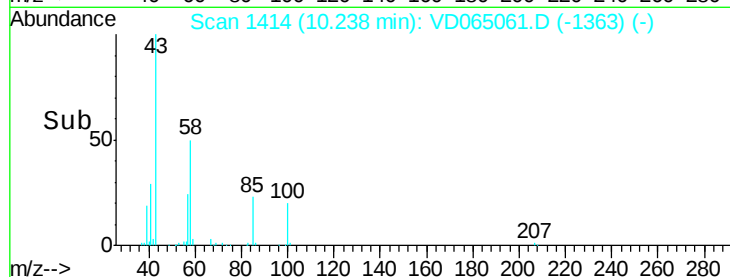
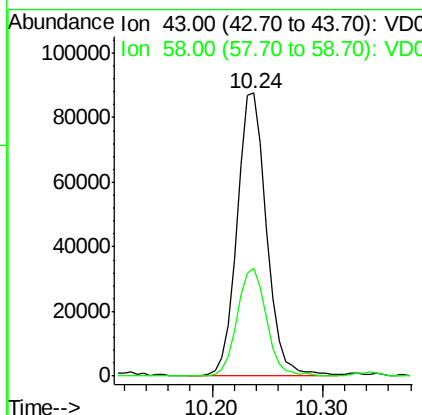
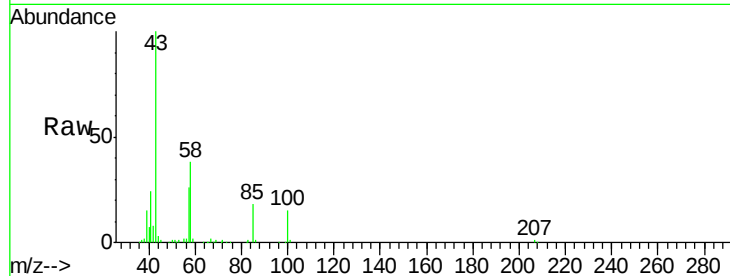




#51
 4-Methyl-2-Pentanone
 Concen: 46.98 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

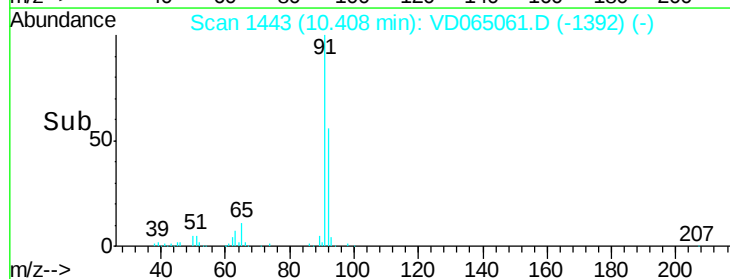
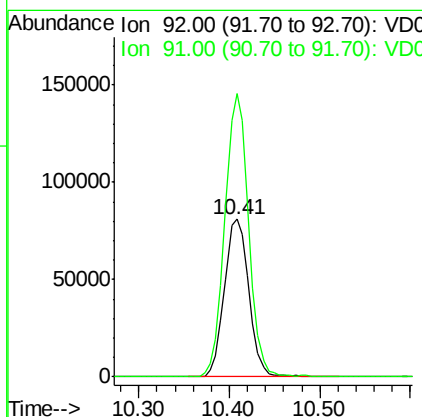
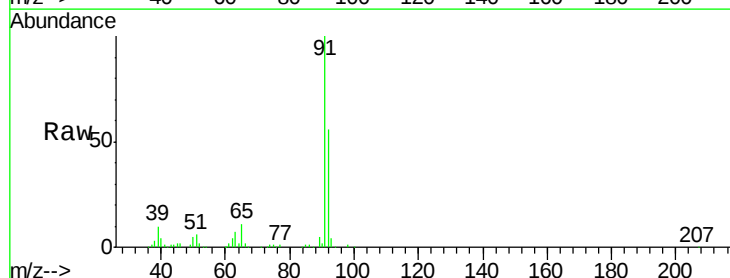
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

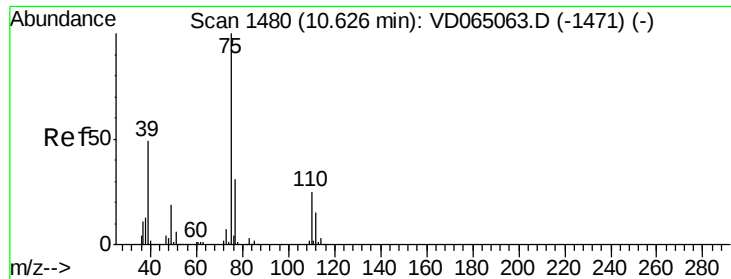
Tgt Ion: 43 Resp: 162807
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.2 45.2



#52
 Toluene
 Concen: 9.58 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 92 Resp: 151728
 Ion Ratio Lower Upper
 92 100
 91 173.6 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 9.42 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

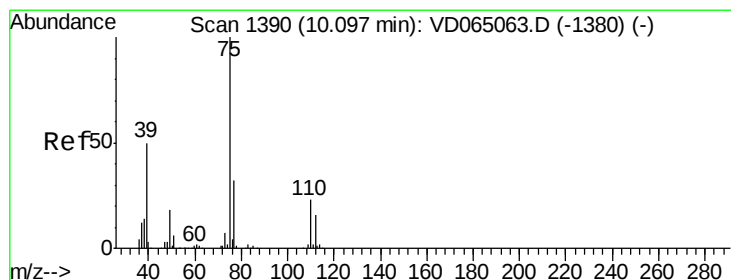
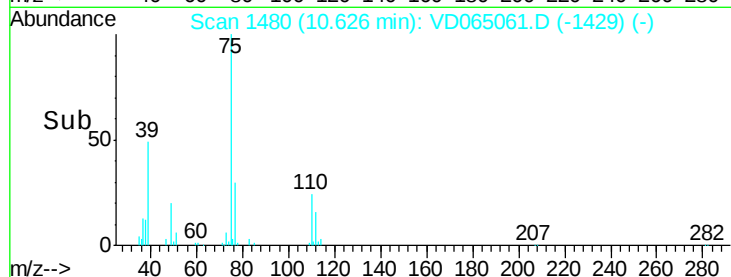
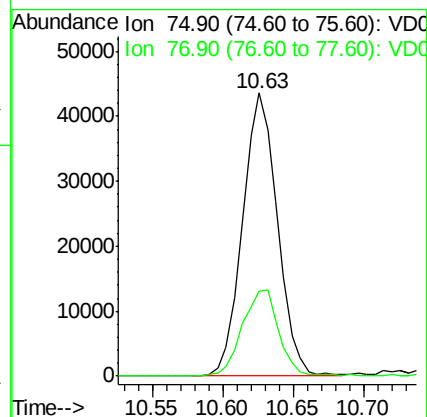
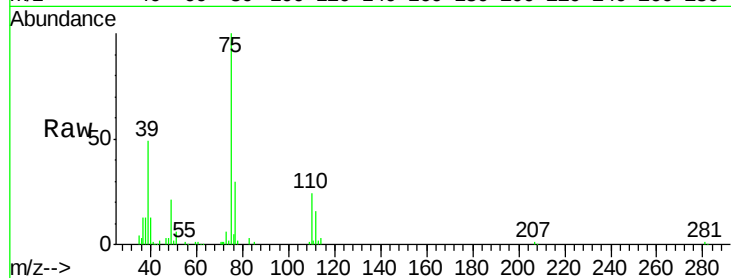
VSTDIC010

Tgt Ion: 75 Resp: 75489

Ion Ratio Lower Upper

75 100

77 30.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 9.55 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

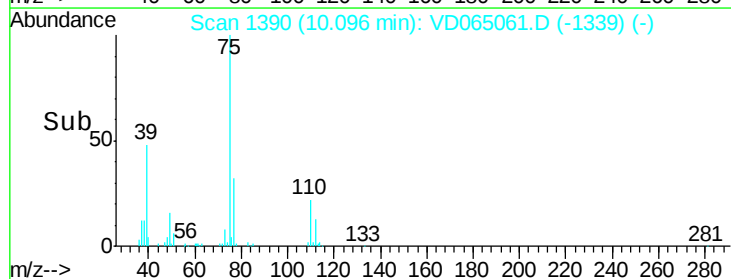
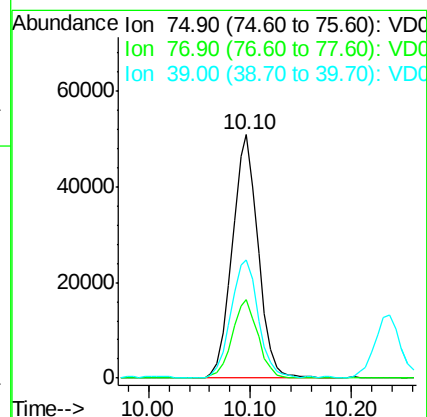
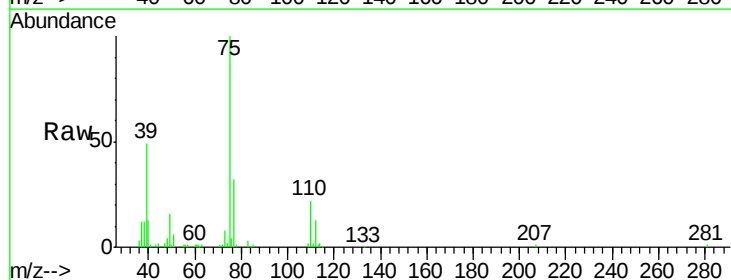
Tgt Ion: 75 Resp: 89948

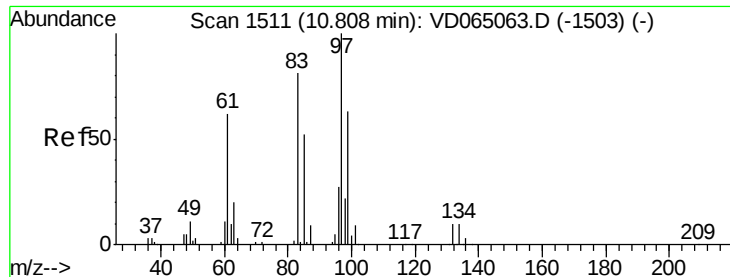
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 48.6 40.3 60.5

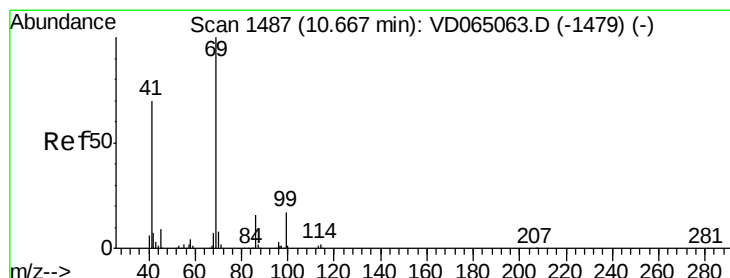
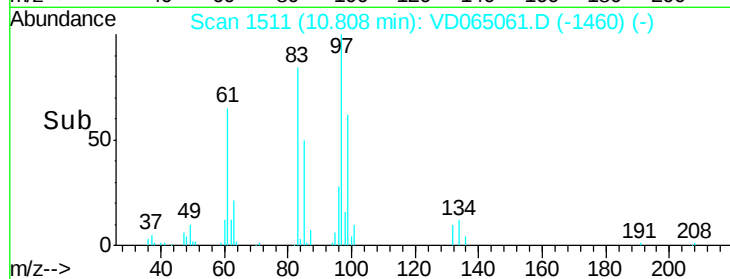
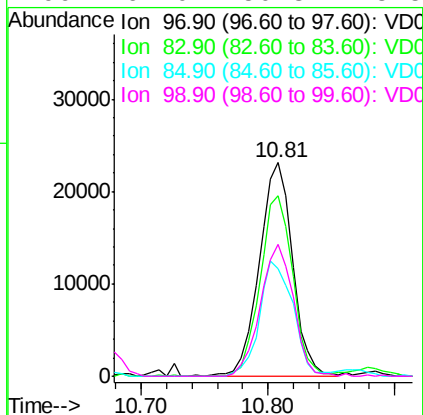
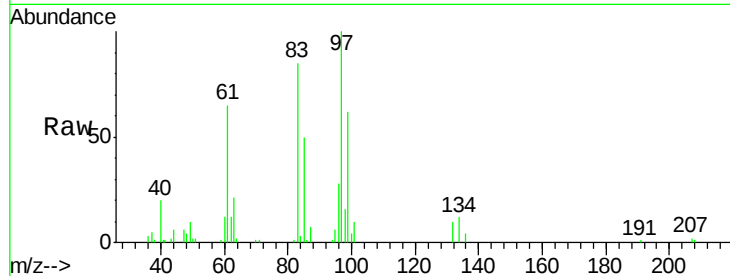




#55
 1,1,2-Trichloroethane
 Concen: 9.73 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

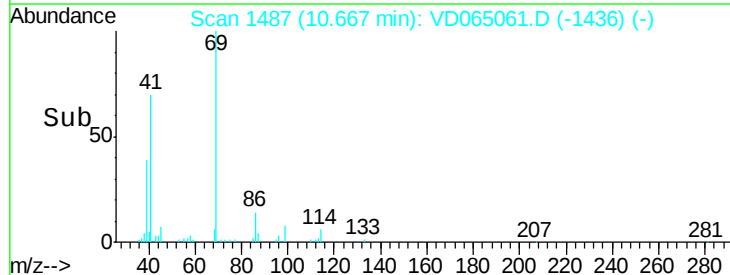
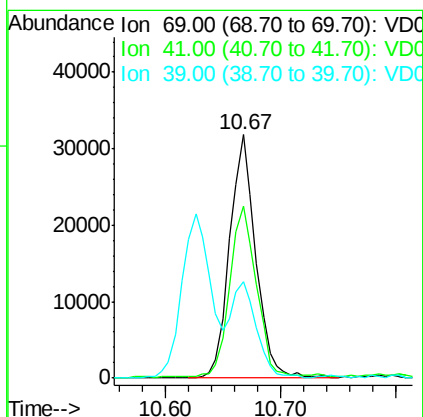
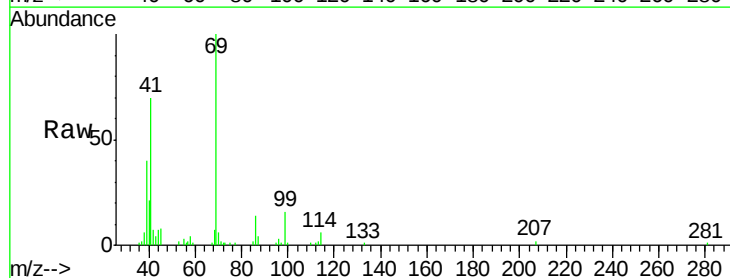
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

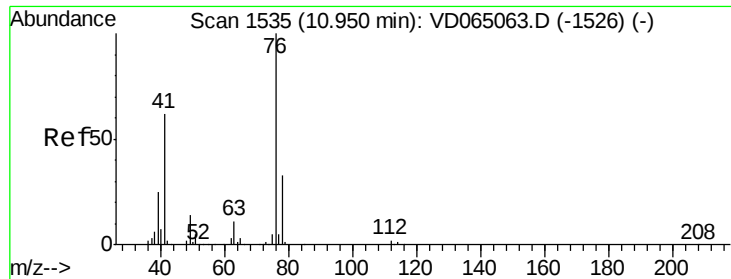
Tgt Ion:	97	Resp:	42307
Ion	Ratio	Lower	Upper
97	100		
83	84.5	64.8	97.2
85	50.4	41.2	61.8
99	62.0	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 9.56 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion:	69	Resp:	49887
Ion	Ratio	Lower	Upper
69	100		
41	70.9	55.9	83.9
39	39.0	29.4	44.0

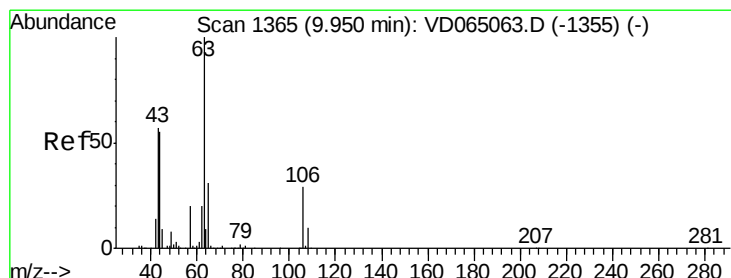
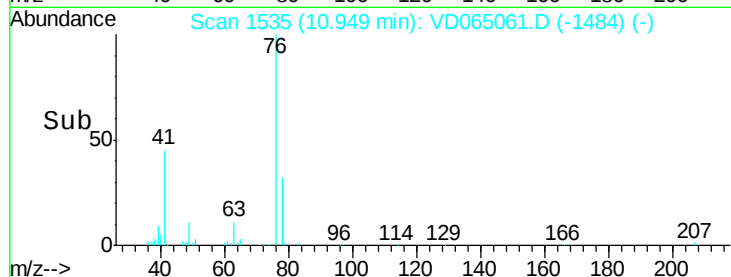
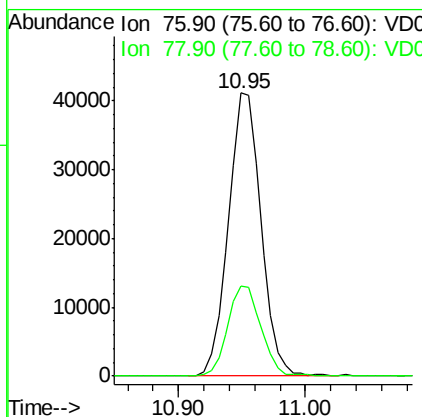
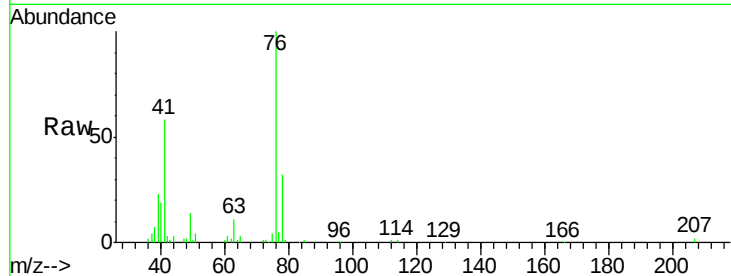




#57
 1,3-Dichloropropane
 Concen: 9.76 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

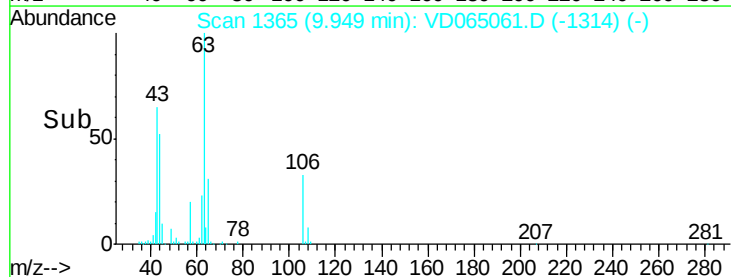
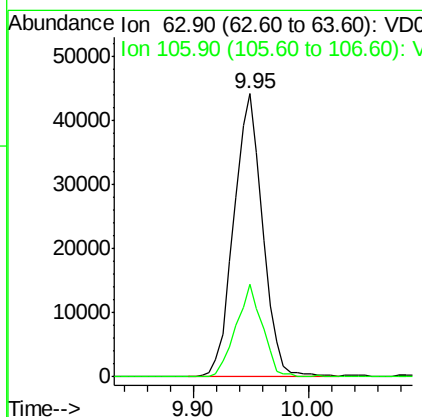
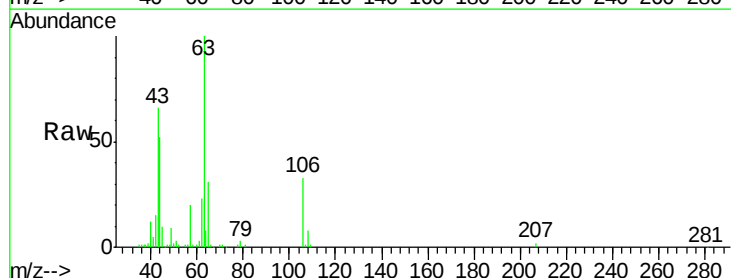
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

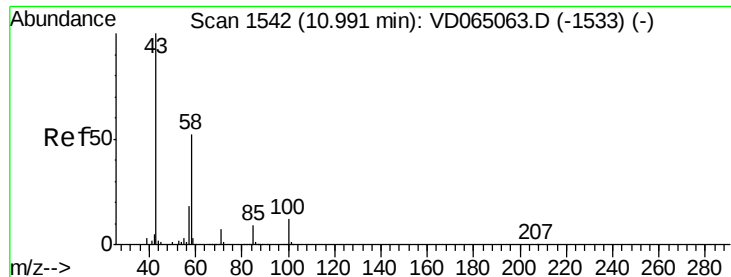
Tgt Ion: 76 Resp: 72936
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 42.13 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 63 Resp: 76536
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.3 34.9

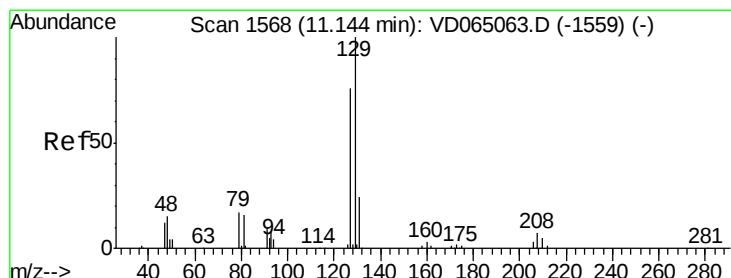
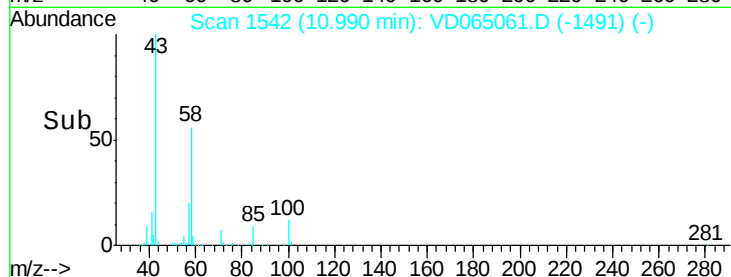
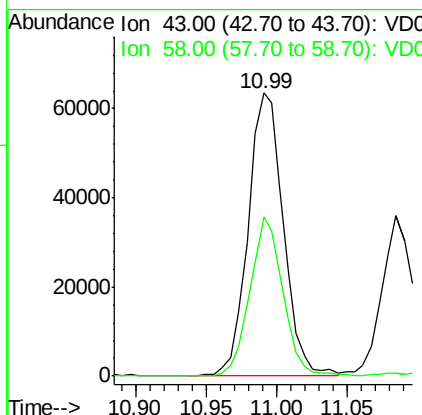
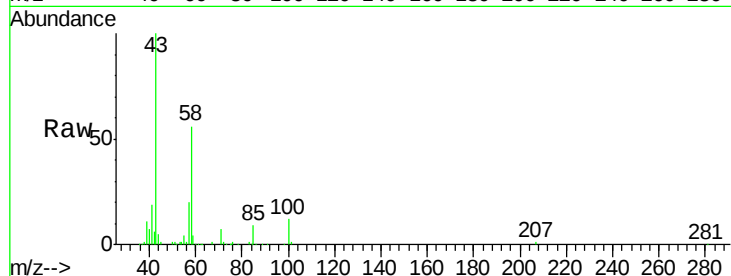




#59
2-Hexanone
Concen: 46.50 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

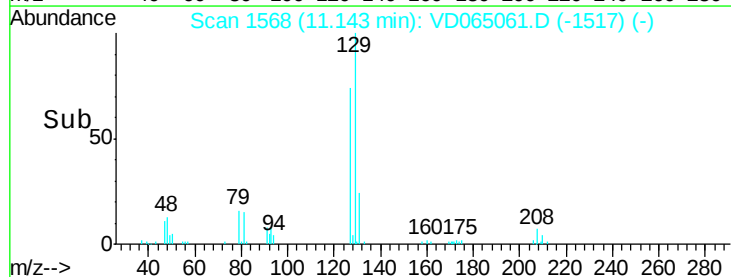
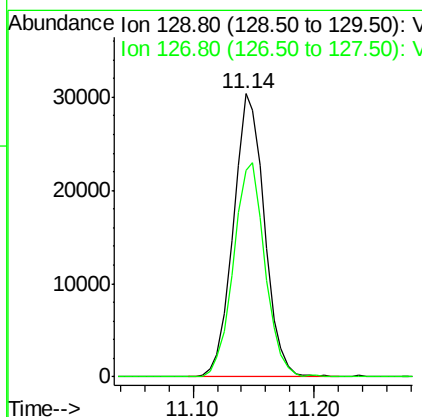
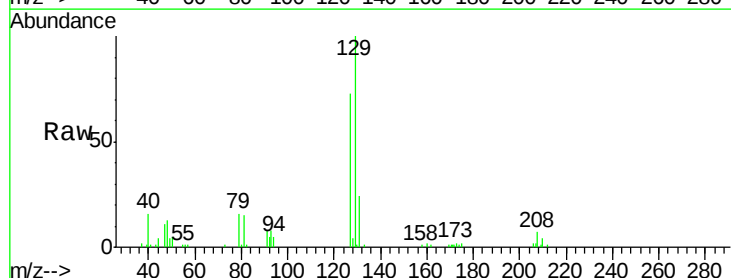
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

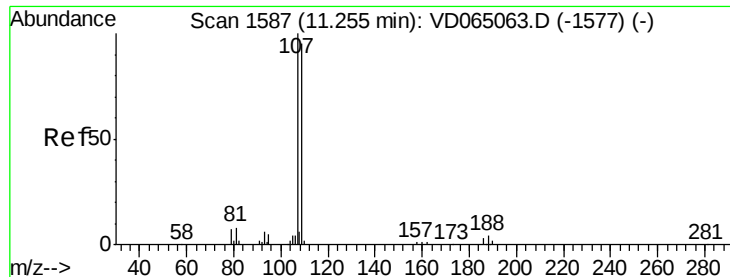
Tgt Ion: 43 Resp: 111537
Ion Ratio Lower Upper
43 100
58 52.5 26.2 78.6



#60
Dibromochloromethane
Concen: 9.40 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 129 Resp: 54427
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9

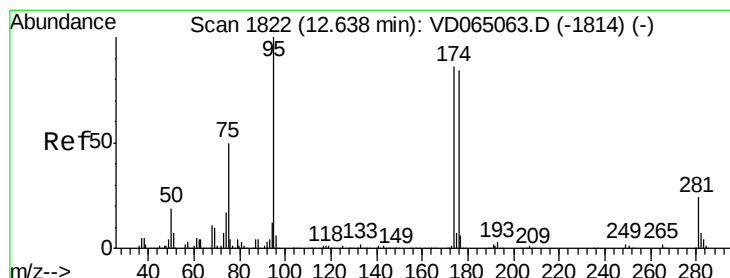
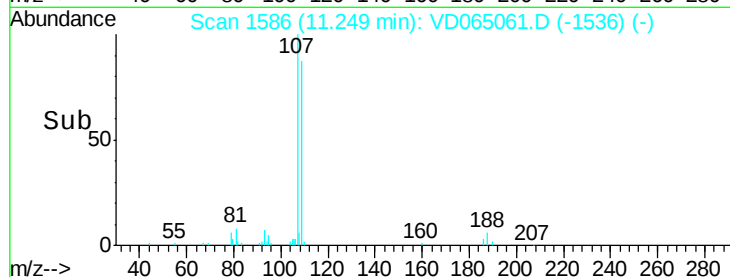
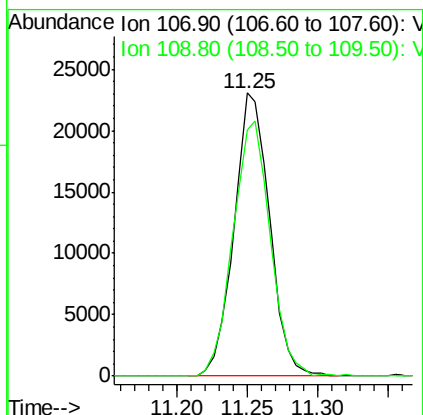
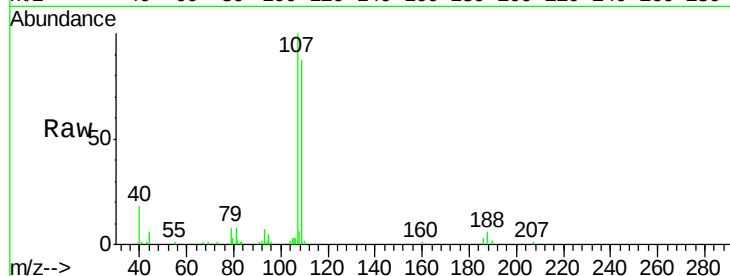




#61
 1,2-Dibromoethane
 Concen: 9.66 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

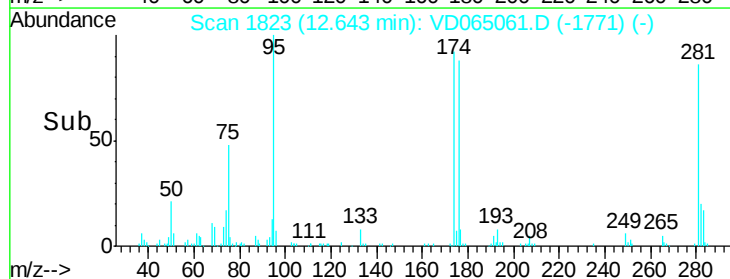
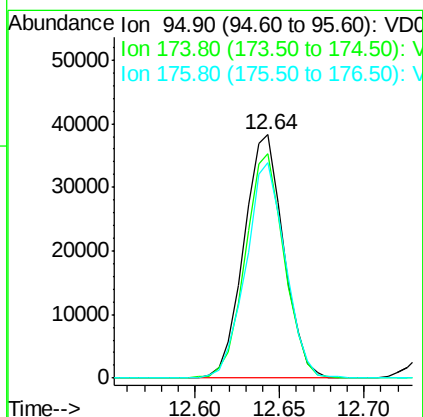
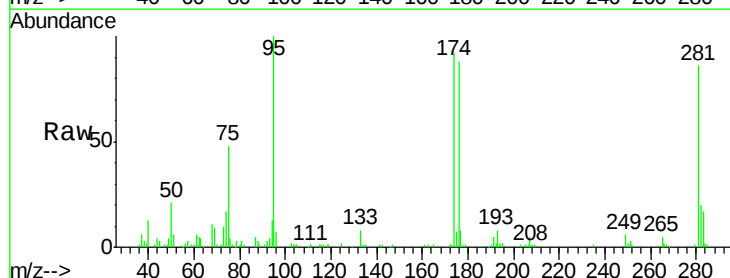
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

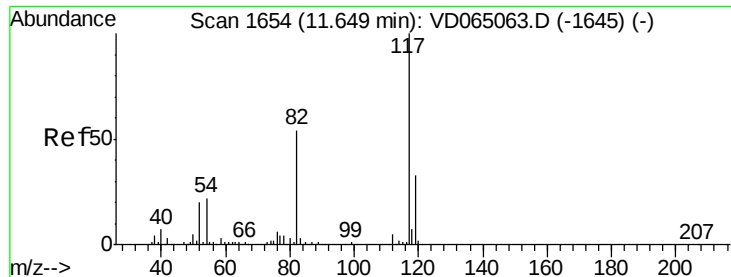
Tgt Ion: 107 Resp: 40517
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 9.17 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 95 Resp: 62599
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 180.0
 176 87.8 0.0 173.2

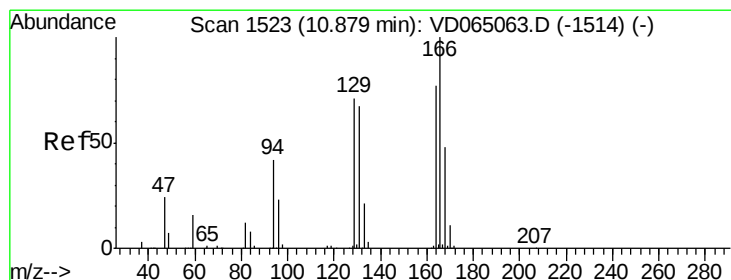
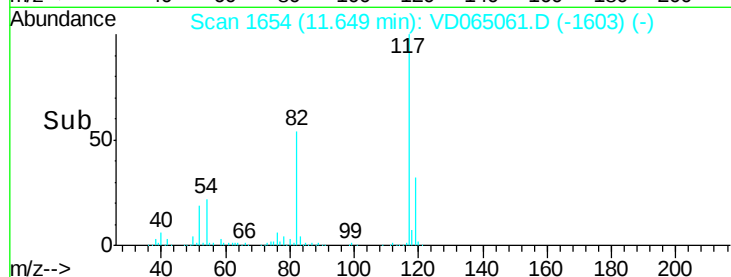
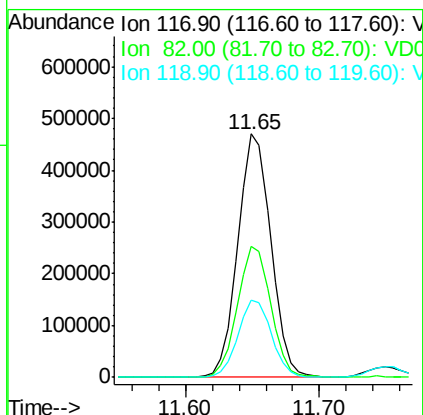
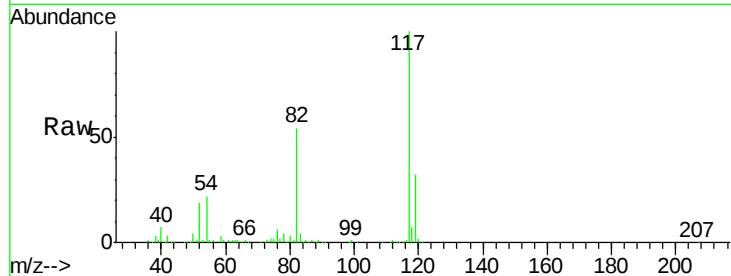




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

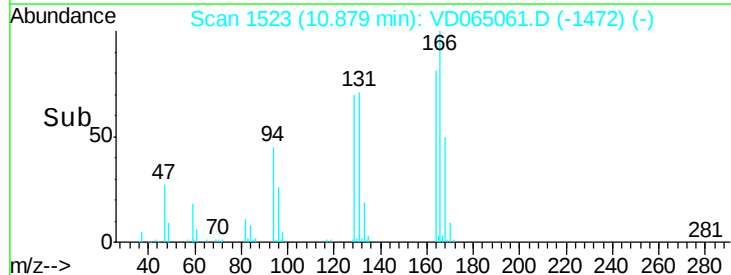
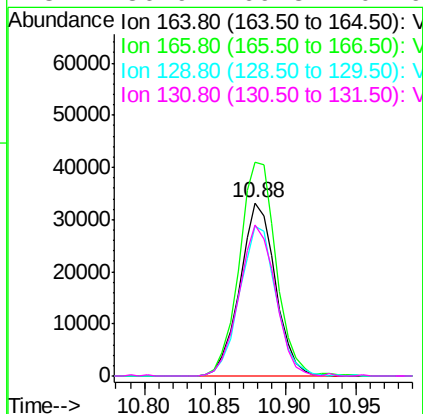
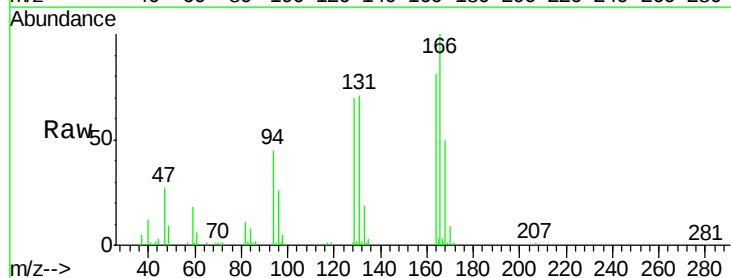
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

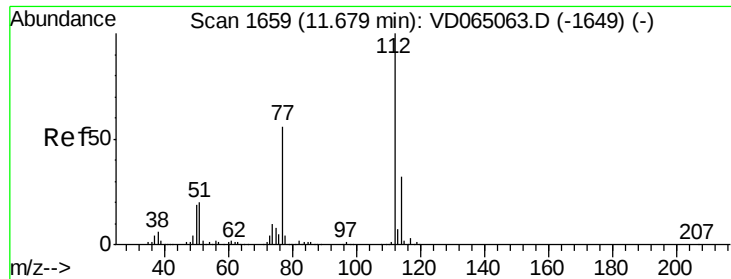
Tgt Ion:117 Resp: 806290
Ion Ratio Lower Upper
117 100
82 53.6 43.1 64.7
119 31.7 26.0 39.0



#64
Tetrachloroethene
Concen: 9.99 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion:164 Resp: 58416
Ion Ratio Lower Upper
164 100
166 123.2 103.5 155.3
129 86.4 73.3 109.9
131 86.9 69.8 104.6

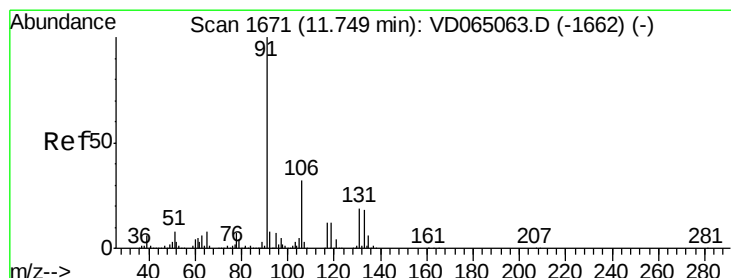
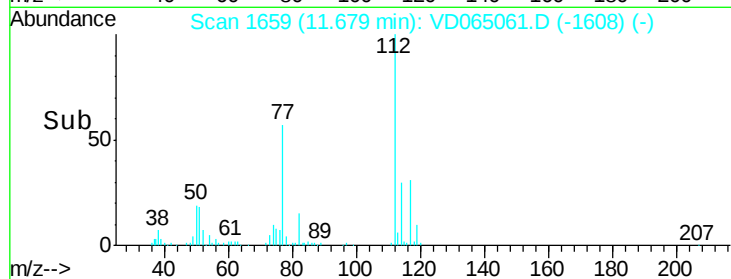
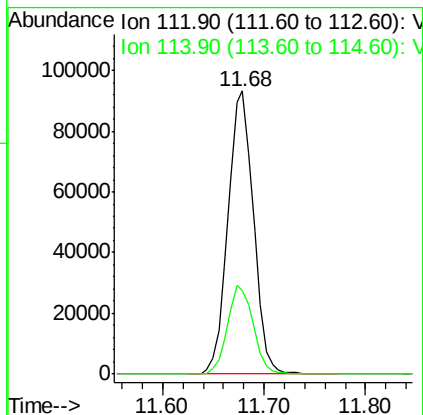
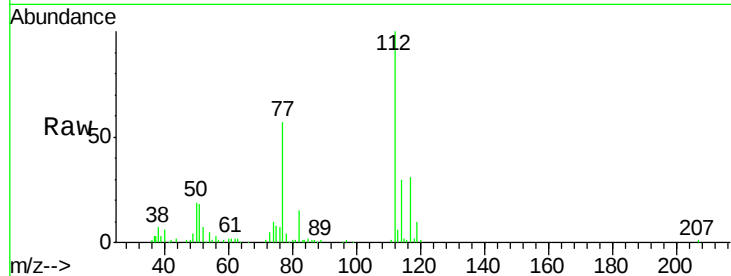




#65
Chlorobenzene
Concen: 9.91 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

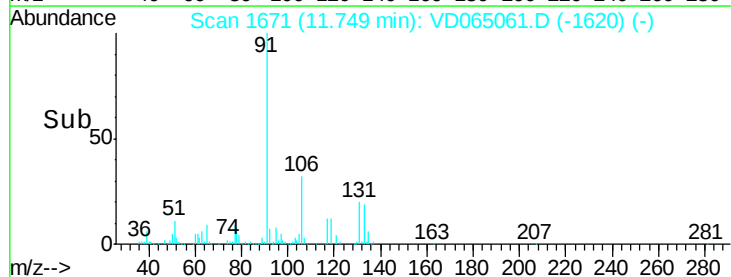
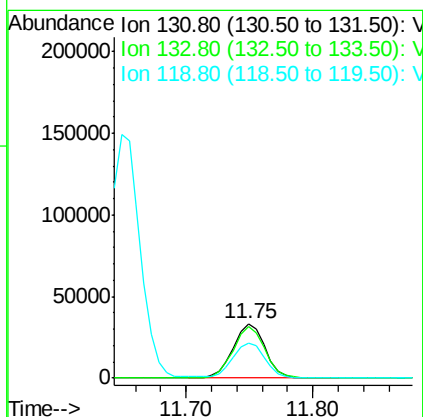
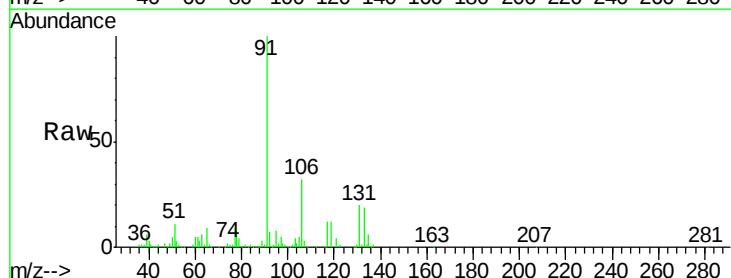
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

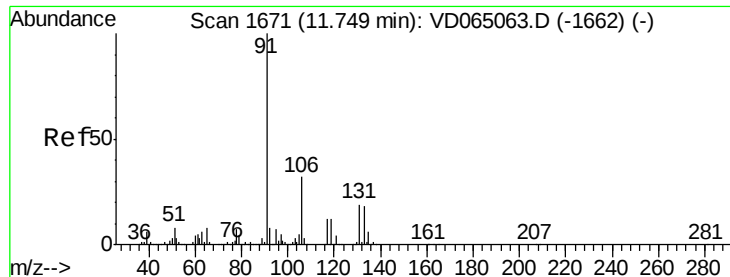
Tgt Ion:112 Resp: 162562
Ion Ratio Lower Upper
112 100
114 29.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 9.48 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion:131 Resp: 58210
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 66.2 31.3 93.8

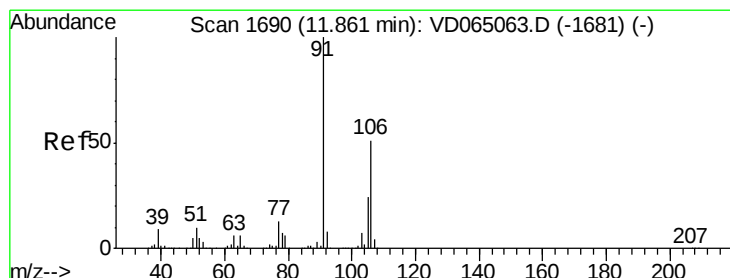
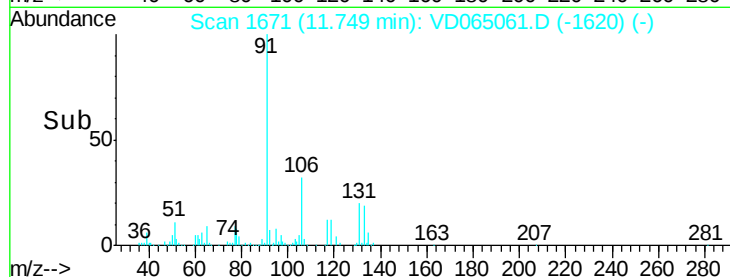
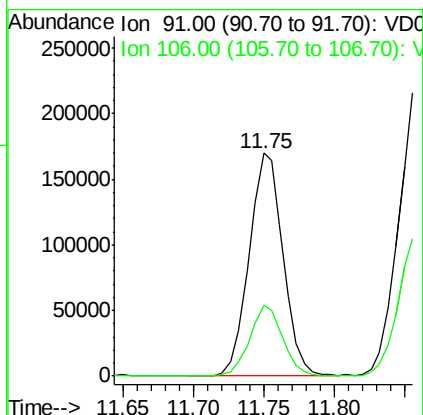
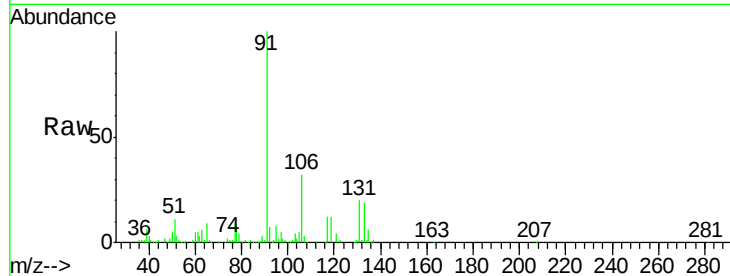




#67
Ethyl Benzene
Concen: 9.85 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

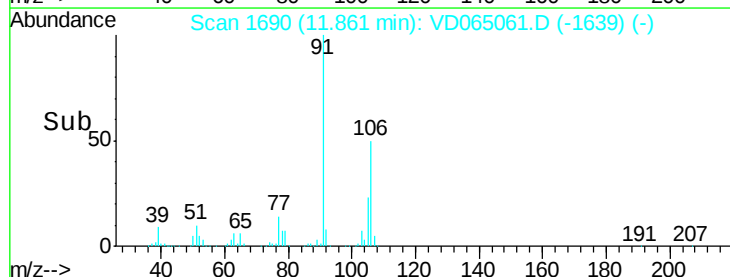
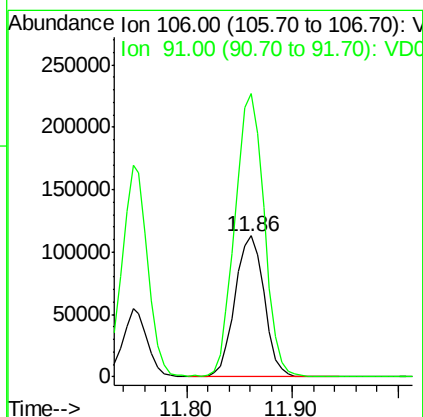
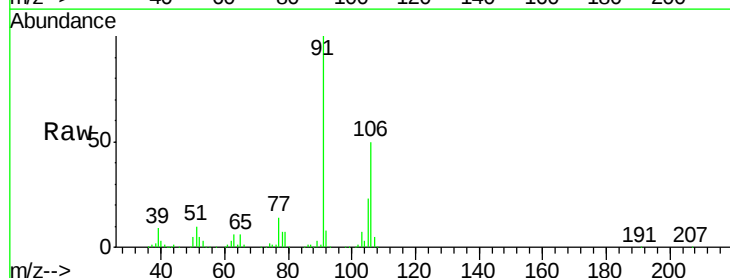
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

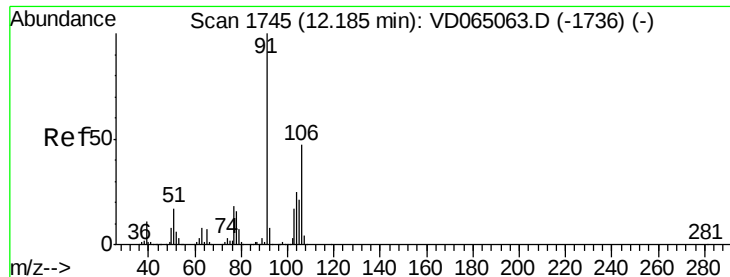
Tgt Ion: 91 Resp: 286537
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 19.32 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 106 Resp: 216282
Ion Ratio Lower Upper
106 100
91 201.8 158.9 238.3

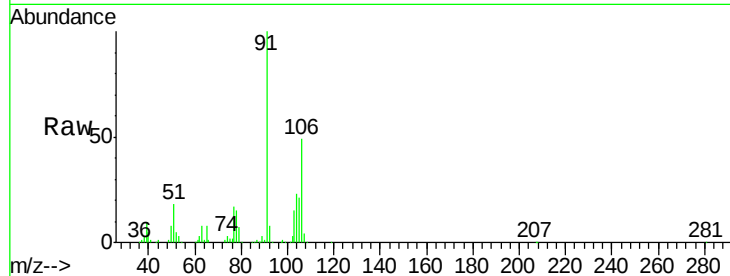




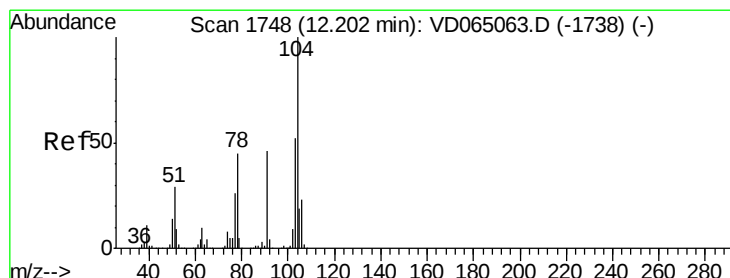
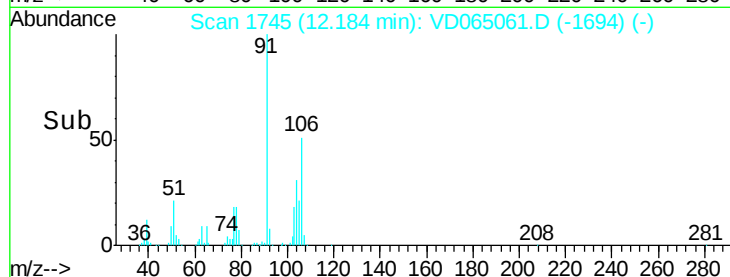
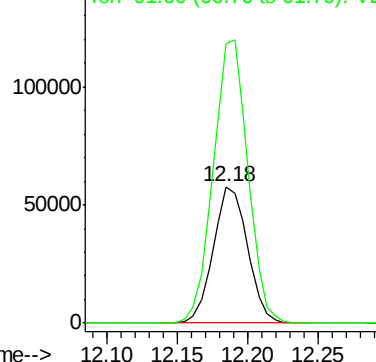
#69
o-Xylene
Concen: 9.88 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 98414
Ion Ratio Lower Upper
106 100
91 209.4 104.7 313.9

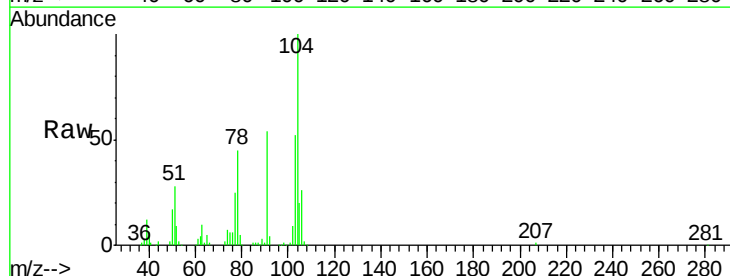


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

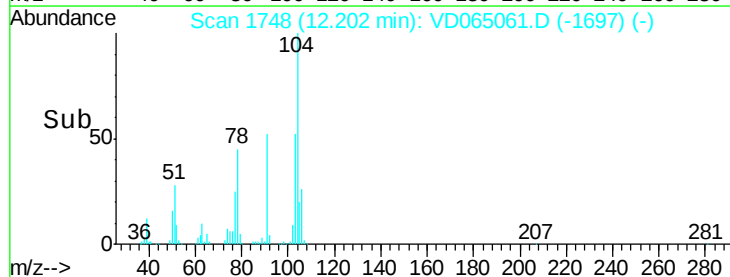
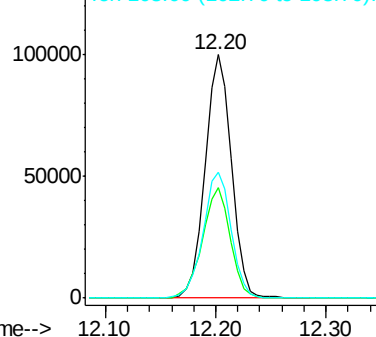


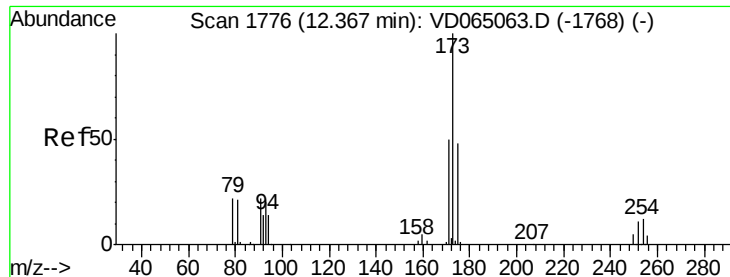
#70
Styrene
Concen: 9.51 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion:104 Resp: 167616
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.9 43.8 65.8



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

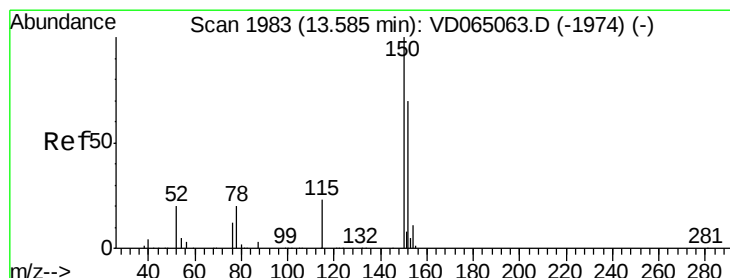
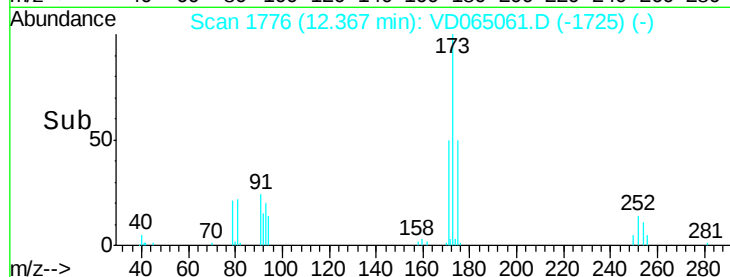
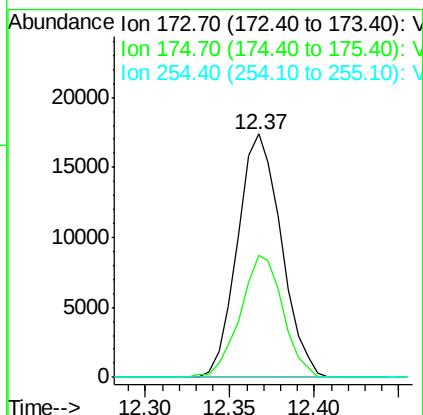
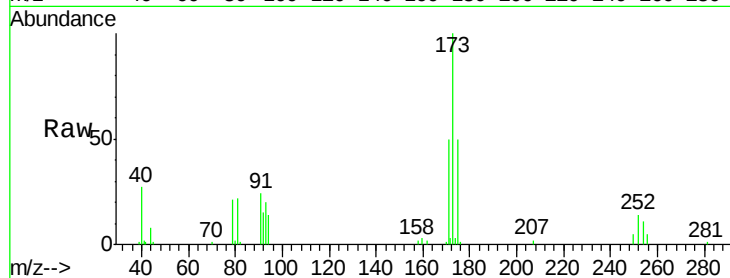




#71
Bromoform
Concen: 9.25 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

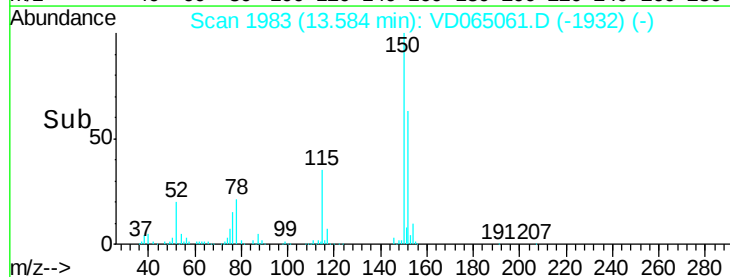
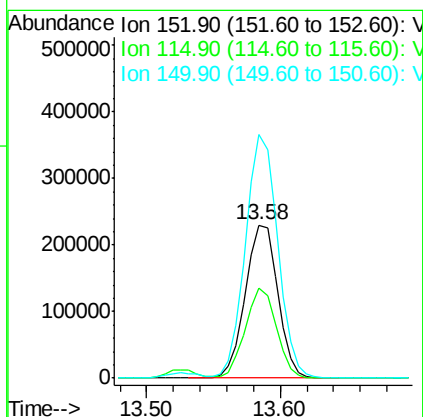
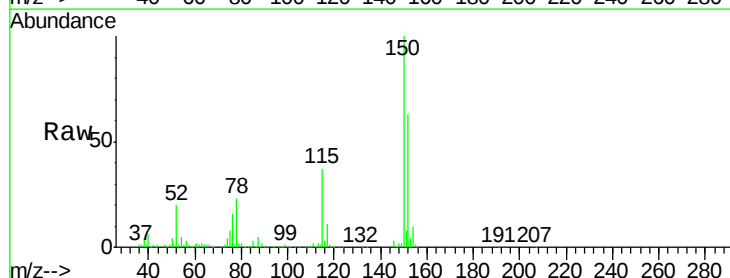
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

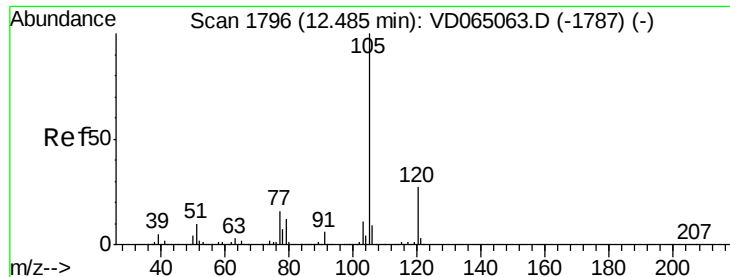
Tgt Ion:173 Resp: 31260
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion:152 Resp: 385460
Ion Ratio Lower Upper
152 100
115 56.6 27.5 82.4
150 158.8 0.0 343.2





#73

Isopropylbenzene

Concen: 10.06 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

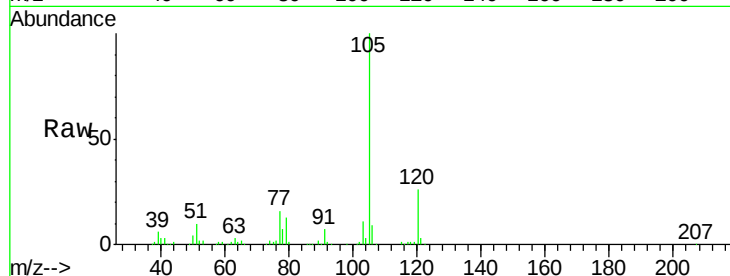
VSTDIC010

Tgt Ion: 105 Resp: 265663

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

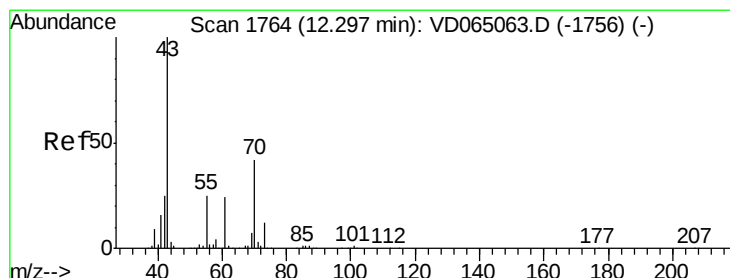
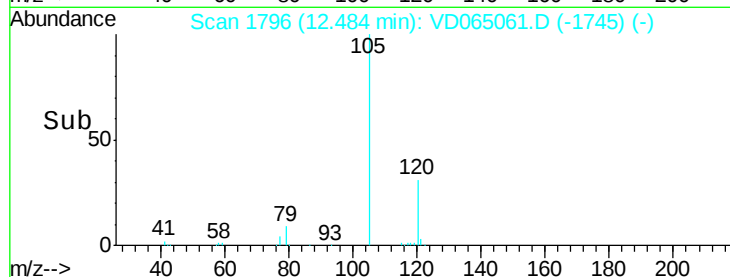
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 9.58 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion: 43 Resp: 56279

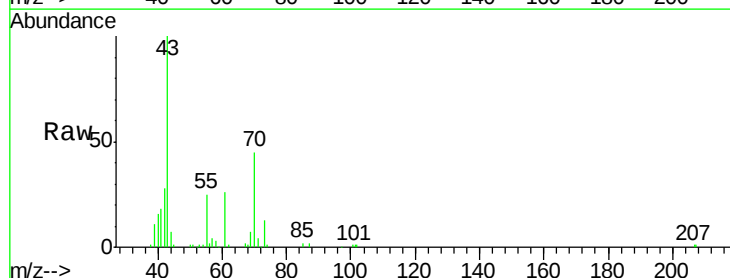
Ion Ratio Lower Upper

43 100

70 41.8 33.5 50.3

55 25.1 19.4 29.2

61 24.3 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

50000

40000

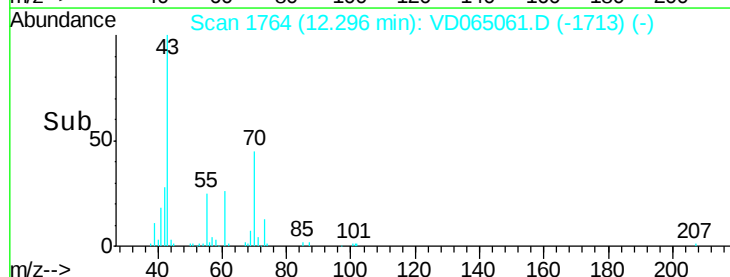
30000

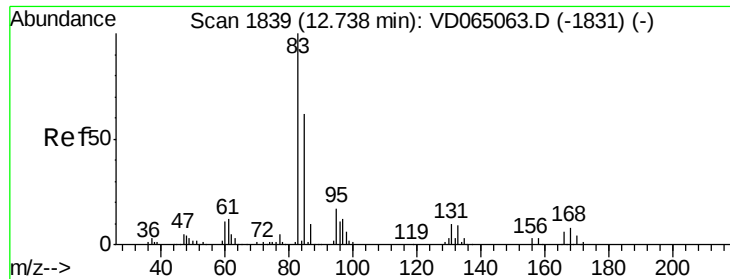
20000

10000

0

Time--> 12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 10.04 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

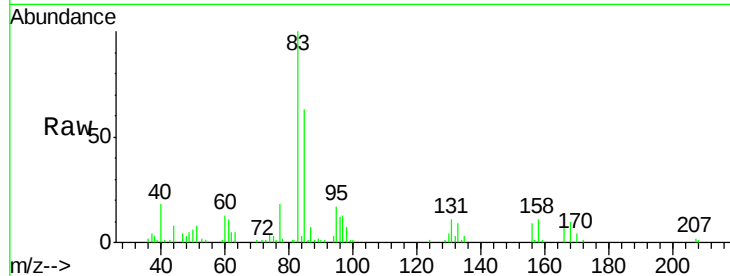
Tgt Ion: 83 Resp: 44100

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

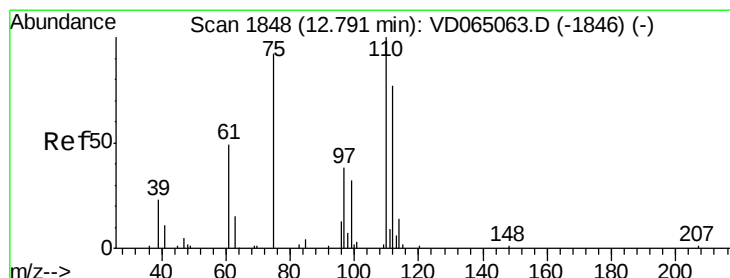
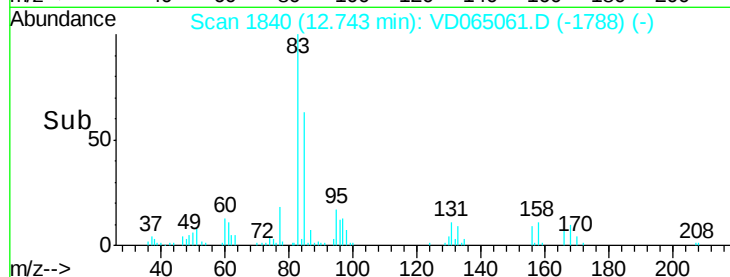
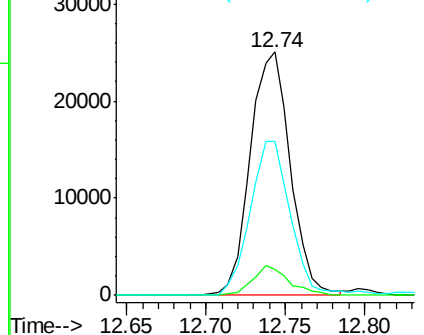
85 64.3 31.8 95.4



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: 18.46 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065061.D

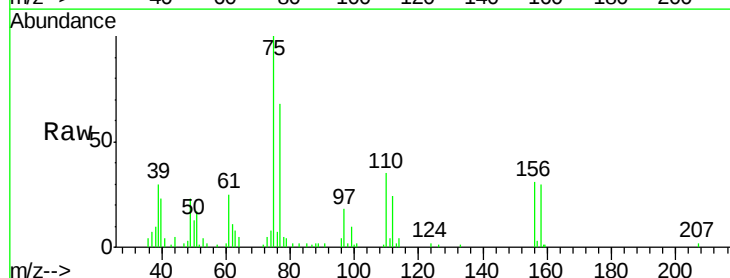
Acq: 05 Feb 2020 12:31

Tgt Ion: 75 Resp: 57553

Ion Ratio Lower Upper

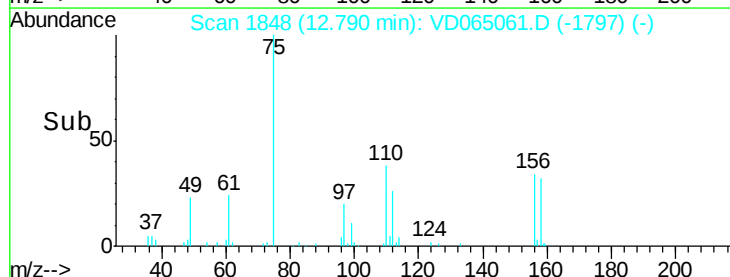
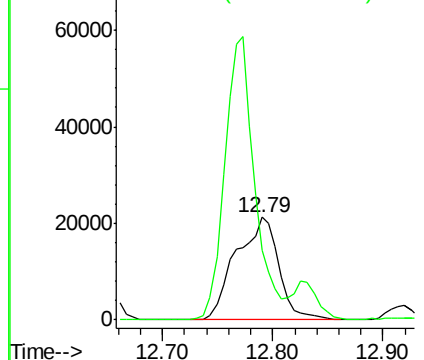
75 100

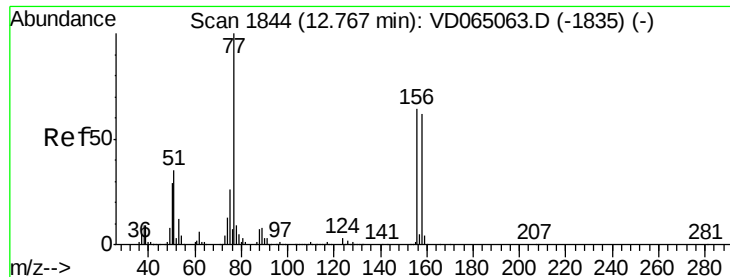
77 191.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 10.22 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

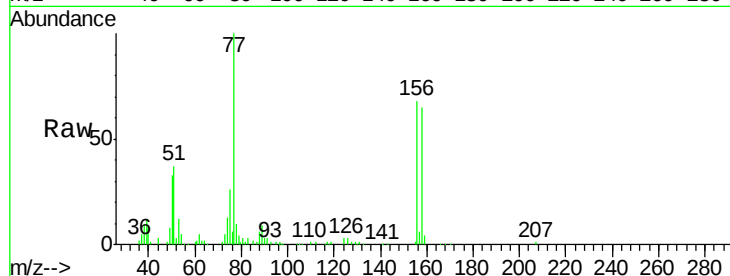
Tgt Ion:156 Resp: 65804

Ion Ratio Lower Upper

156 100

77 167.5 85.6 256.8

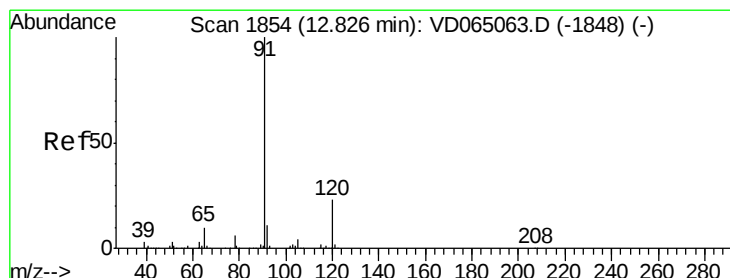
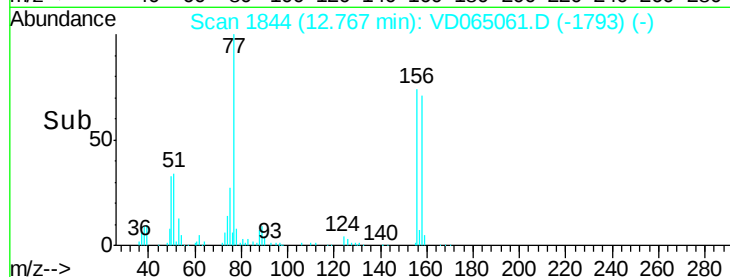
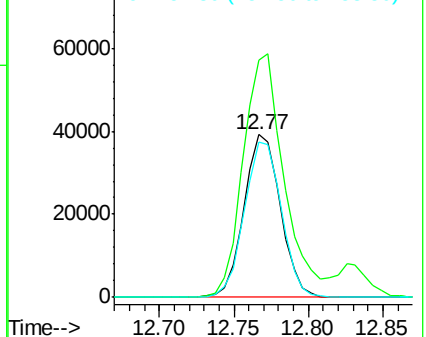
158 97.7 47.4 142.2



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: 9.96 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065061.D

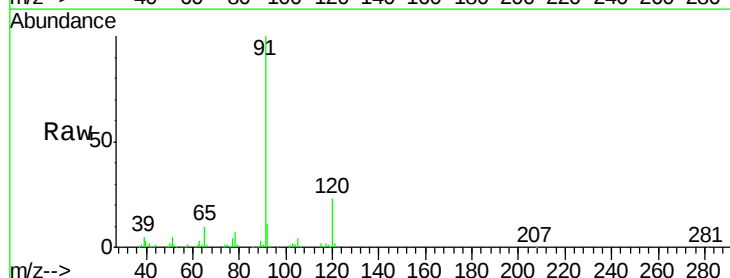
Acq: 05 Feb 2020 12:31

Tgt Ion: 91 Resp: 312323

Ion Ratio Lower Upper

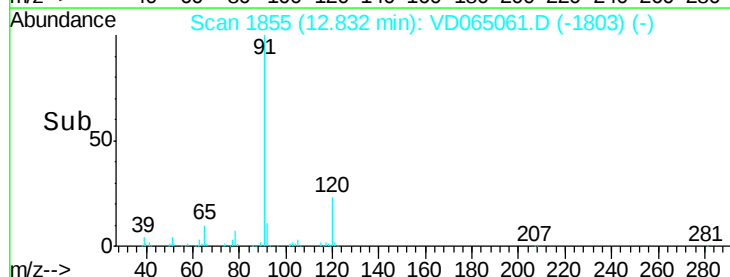
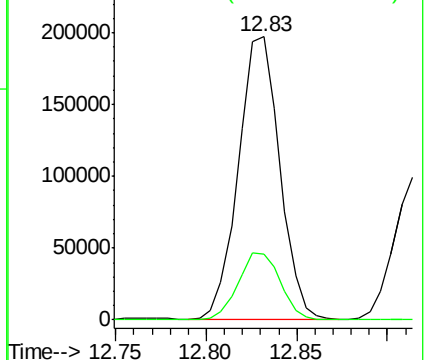
91 100

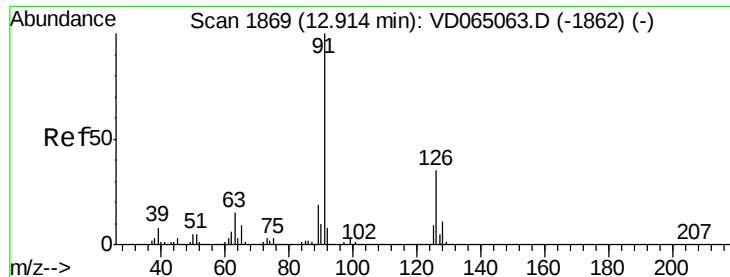
120 24.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

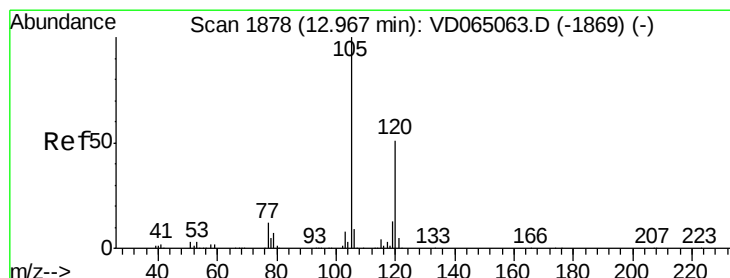
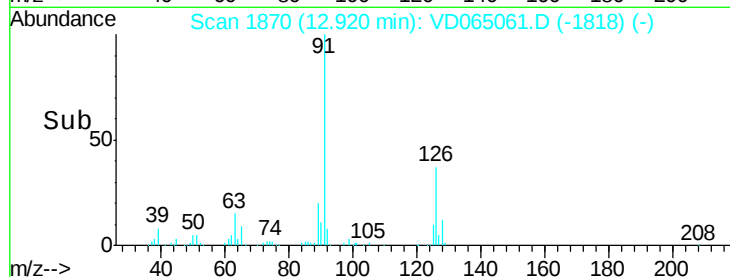
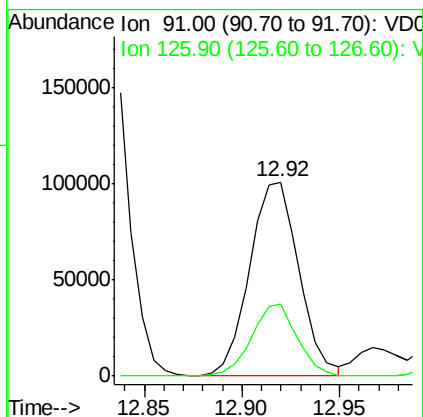
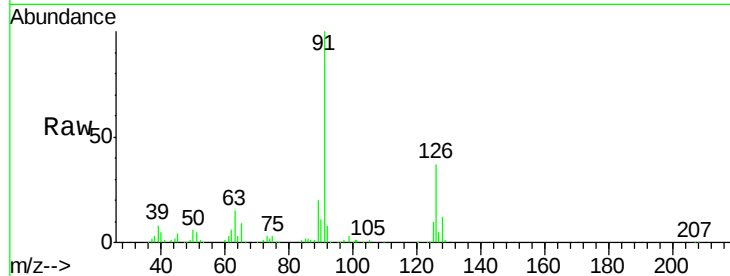




#79
 2-Chlorotoluene
 Concen: 10.16 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

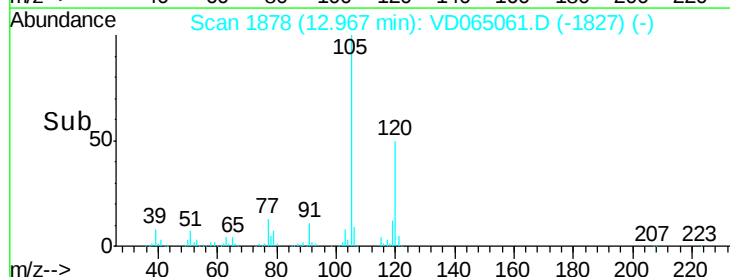
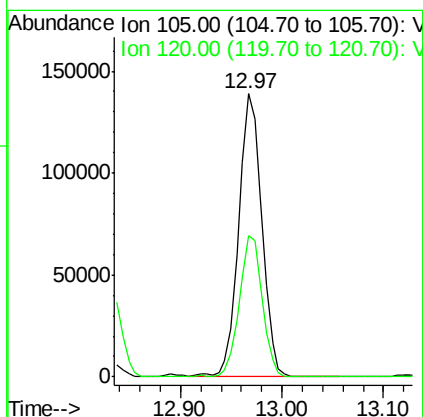
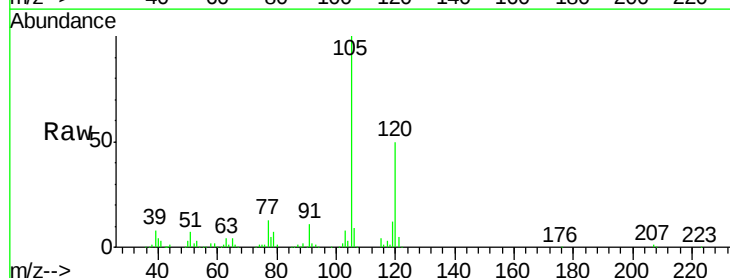
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

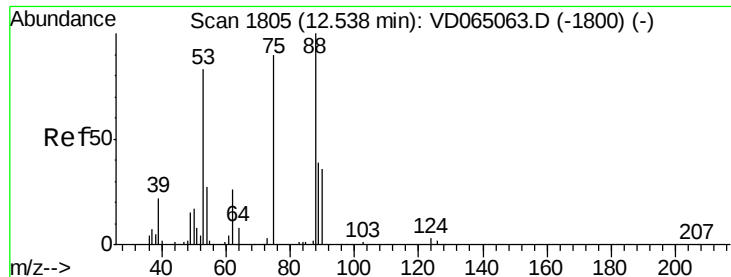
Tgt Ion: 91 Resp: 175095
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 10.20 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 105 Resp: 220662
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 9.58 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

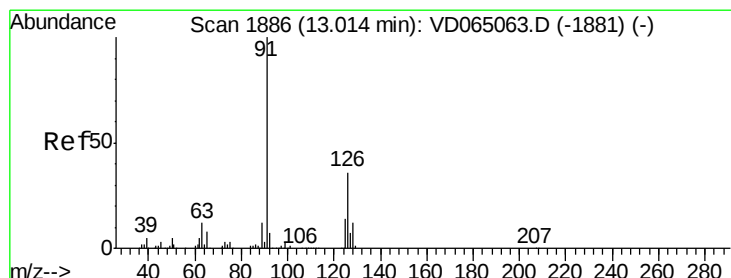
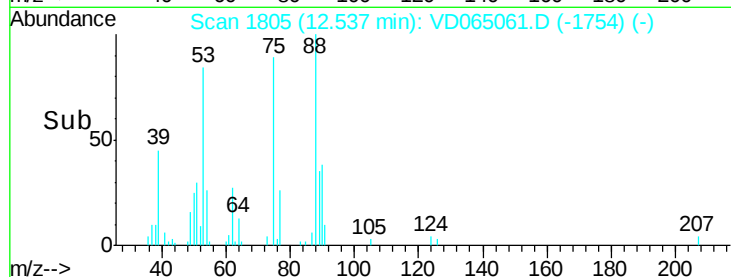
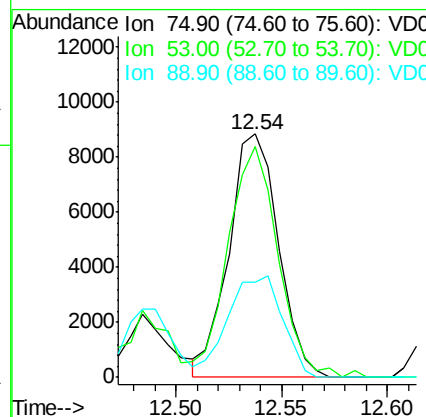
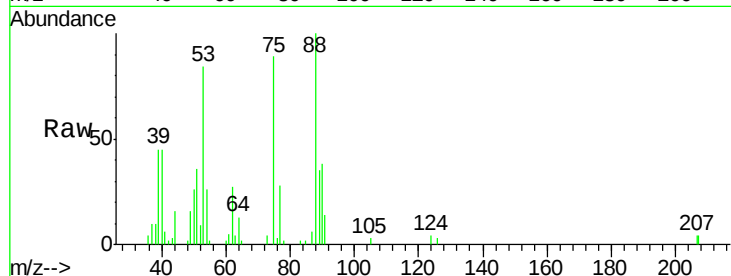
Tgt Ion: 75 Resp: 14325

Ion Ratio Lower Upper

75 100

53 97.2 78.5 117.7

89 46.2 37.0 55.4



#82

4-Chlorotoluene

Concen: 10.28 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065061.D

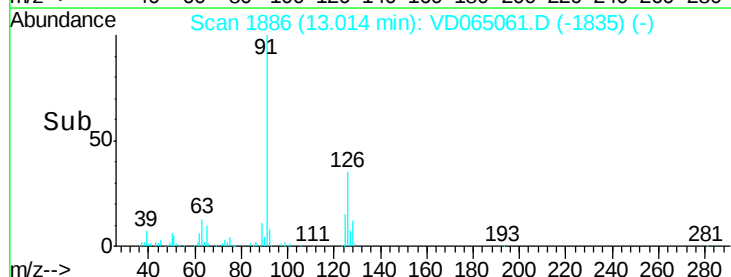
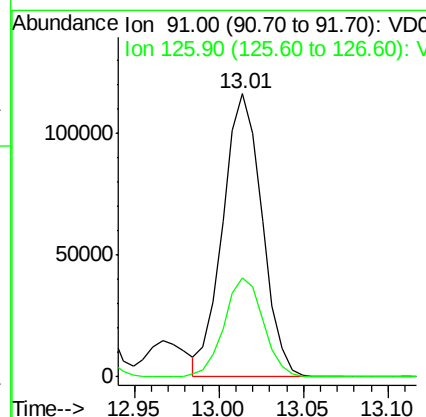
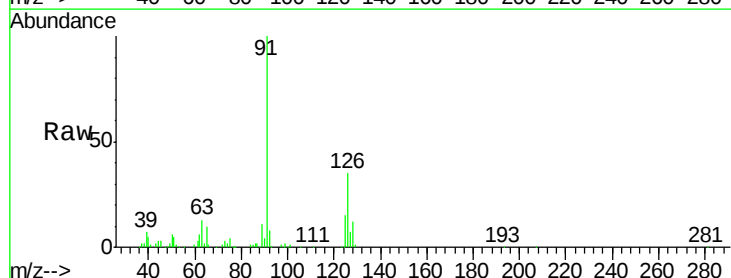
Acq: 05 Feb 2020 12:31

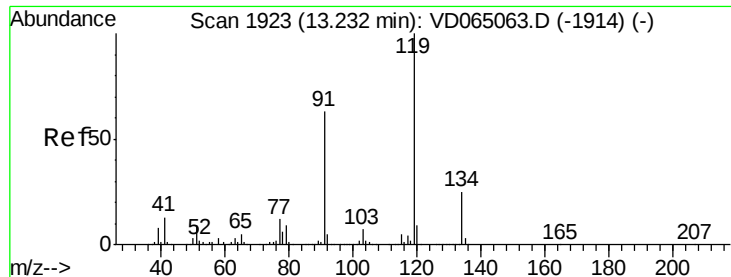
Tgt Ion: 91 Resp: 187856

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5

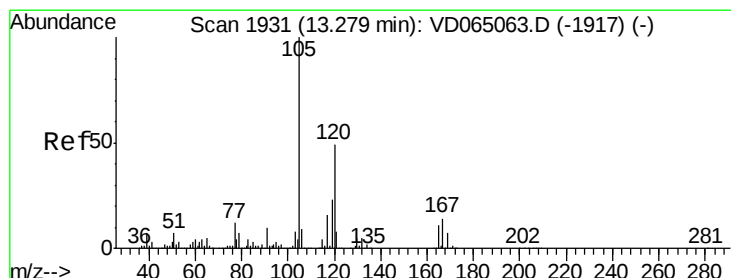
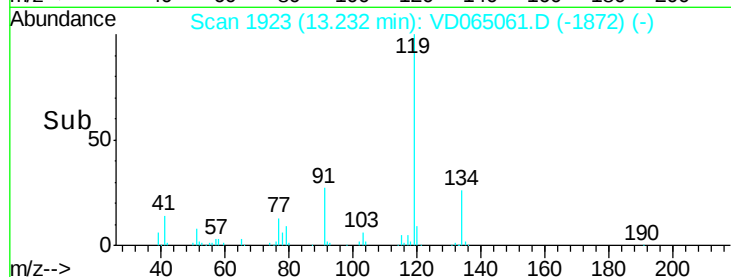
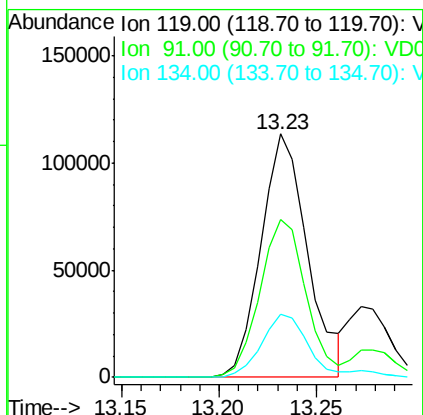
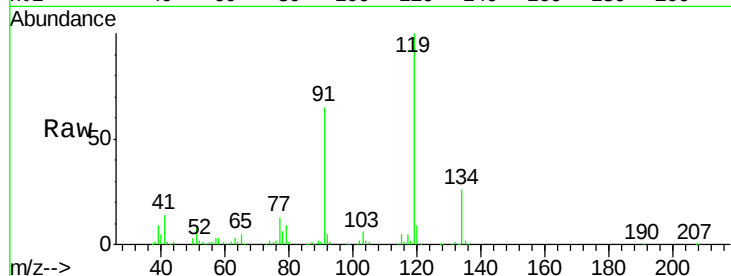




#83
 tert-Butylbenzene
 Concen: 10.24 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

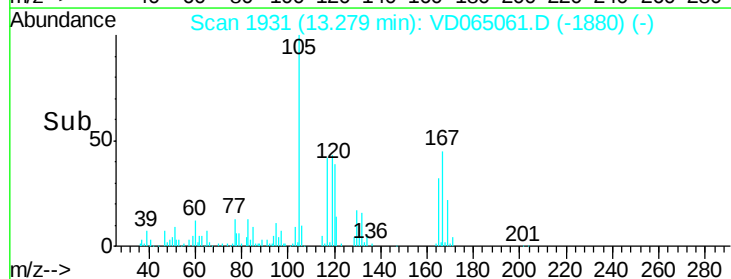
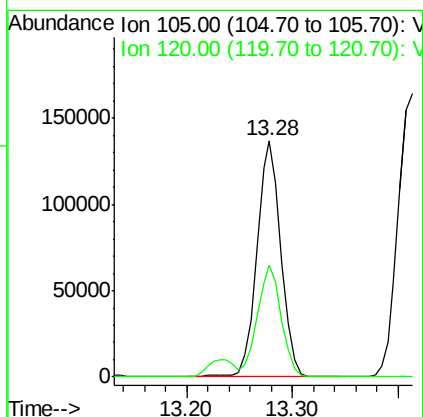
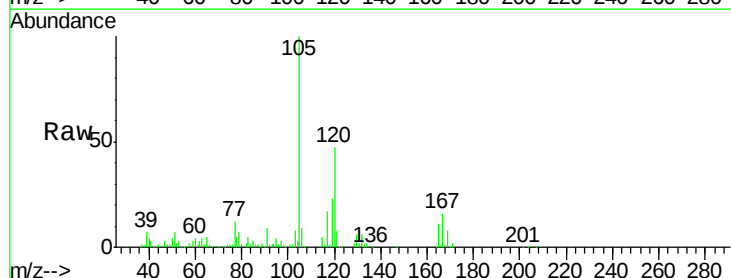
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

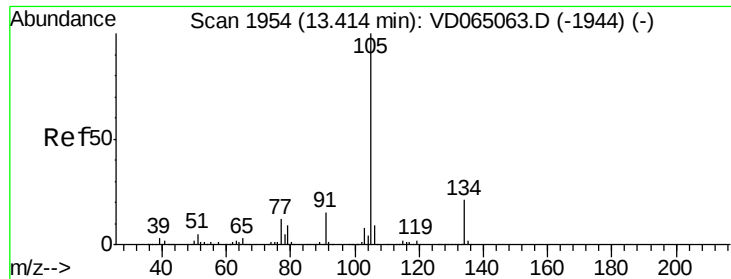
Tgt Ion:119 Resp: 187734
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.3 96.9
 134 27.3 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 9.88 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion:105 Resp: 215818
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.5 70.5

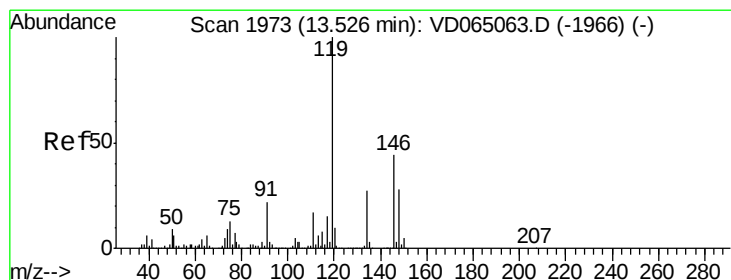
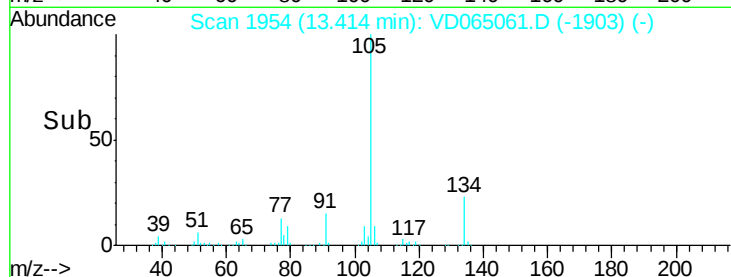
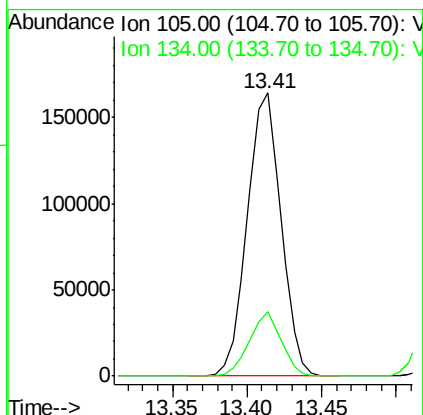
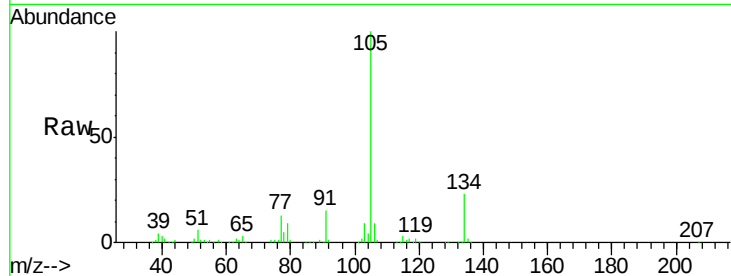




#85
 sec-Butylbenzene
 Concen: 9.86 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

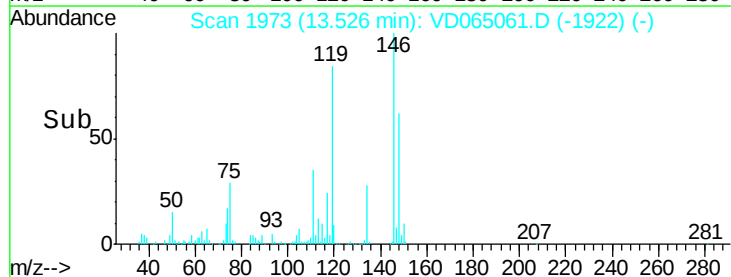
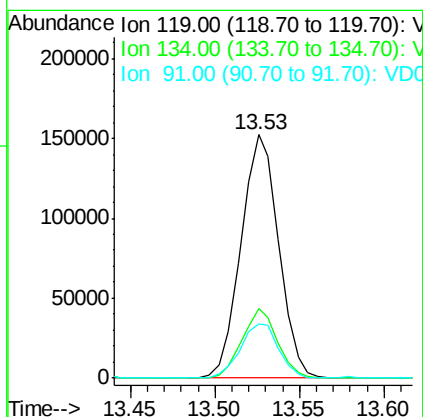
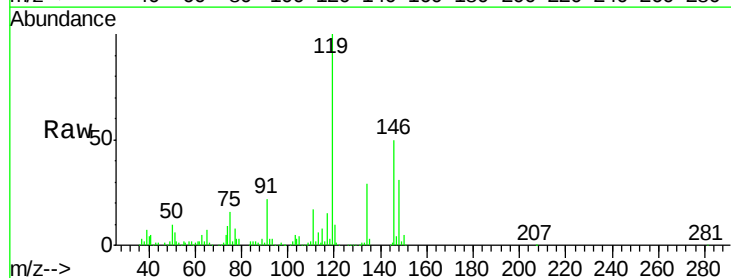
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

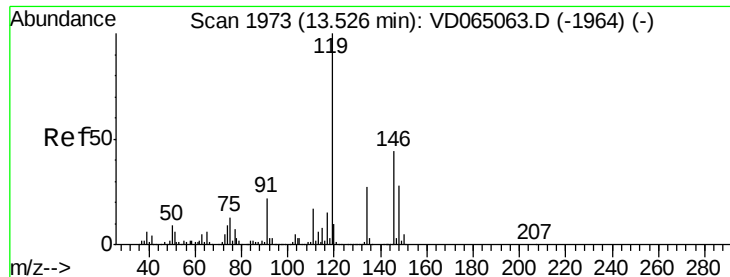
Tgt Ion:105 Resp: 256746
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 9.66 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion:119 Resp: 234354
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.5
 91 23.0 11.3 33.9

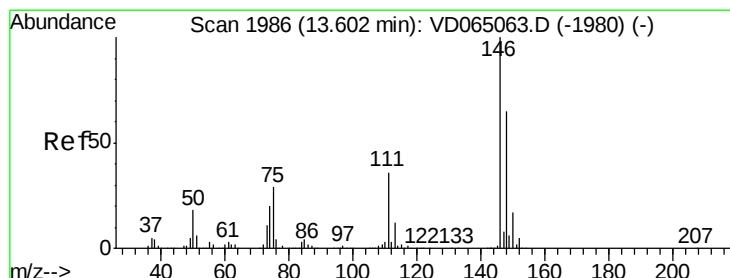
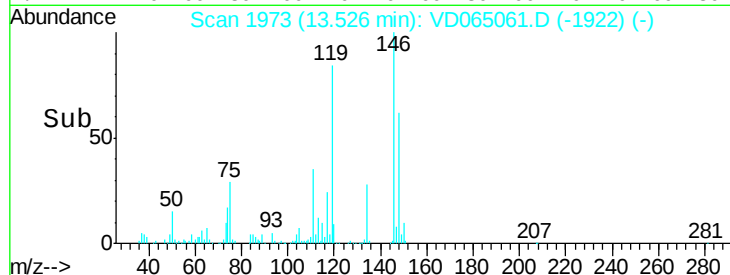
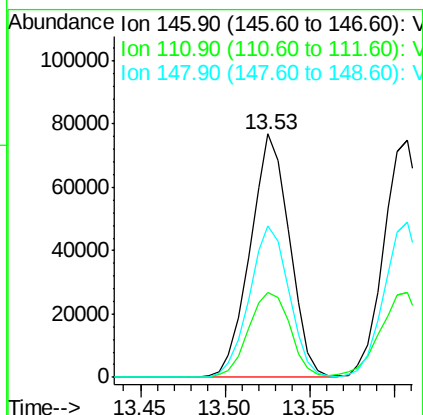
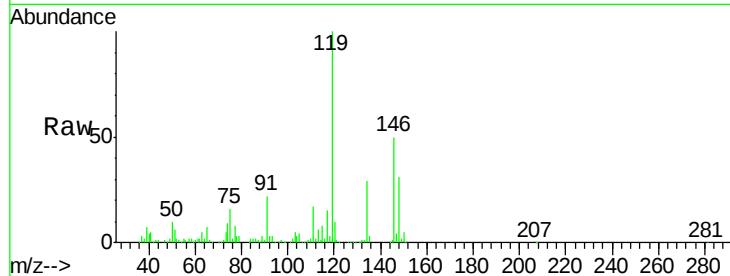




#87
 1,3-Dichlorobenzene
 Concen: 10.09 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

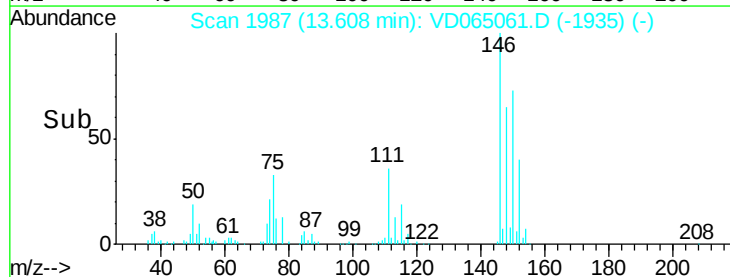
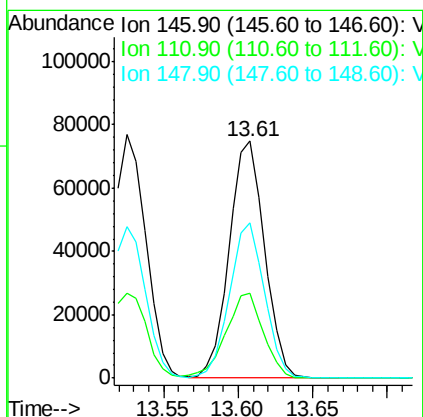
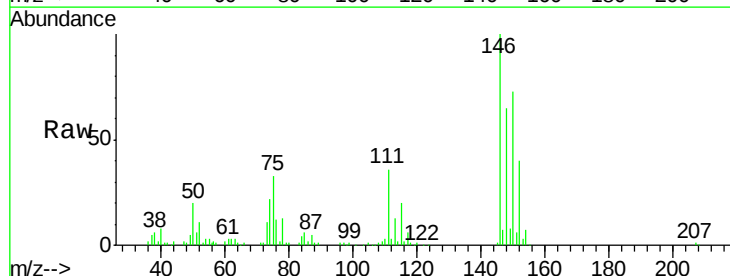
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 124452
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.4 58.4
 148 62.8 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 10.14 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion:146 Resp: 124033
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.5 55.5
 148 64.8 32.7 98.1





#89

n-Butylbenzene

Concen: 9.91 ug/l

RT: 13.85 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

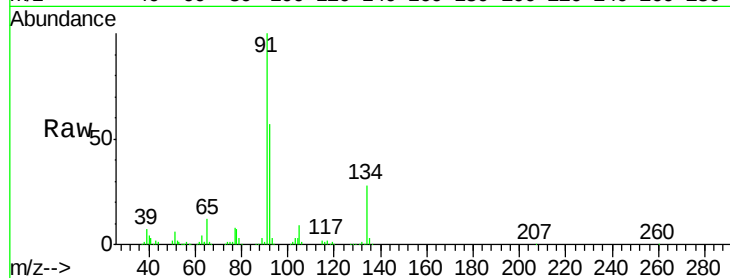
Tgt Ion: 91 Resp: 219331

Ion Ratio Lower Upper

91 100

92 53.4 26.7 80.1

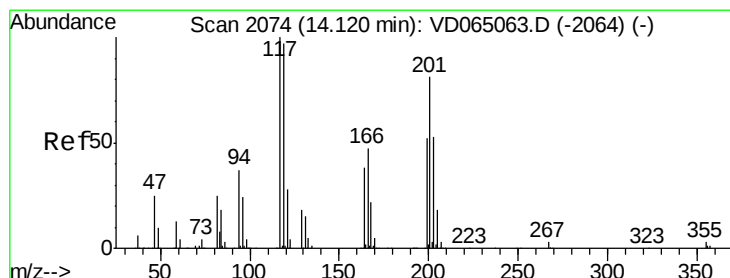
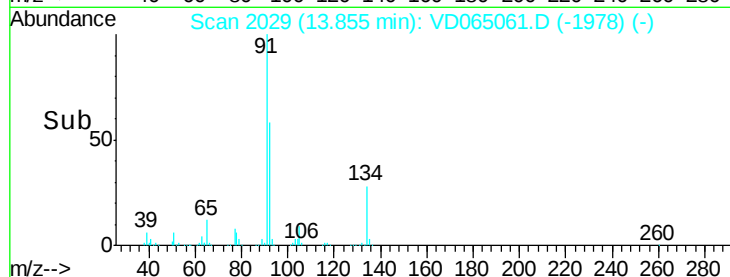
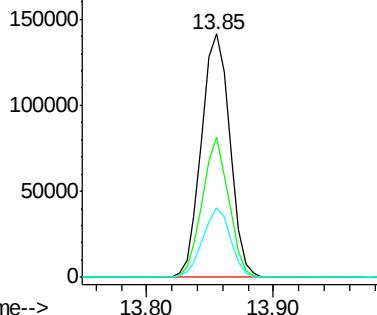
134 27.7 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 9.82 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065061.D

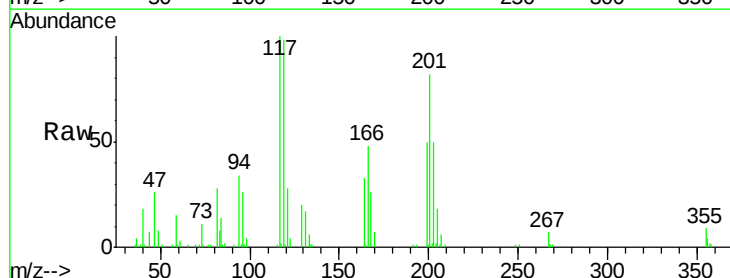
Acq: 05 Feb 2020 12:31

Tgt Ion: 117 Resp: 45833

Ion Ratio Lower Upper

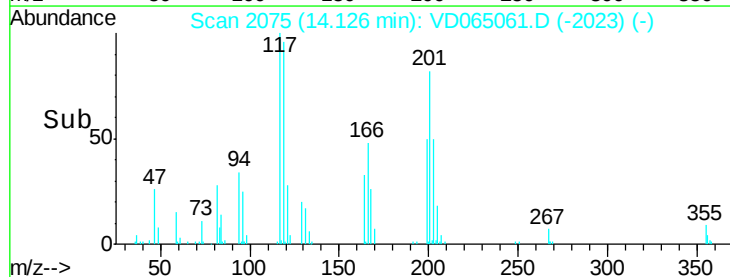
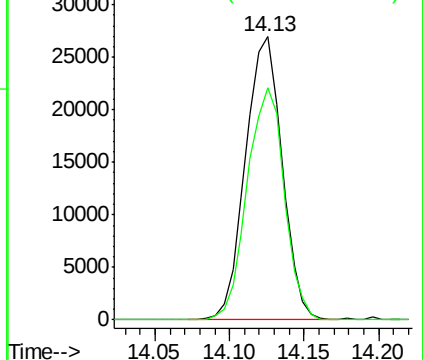
117 100

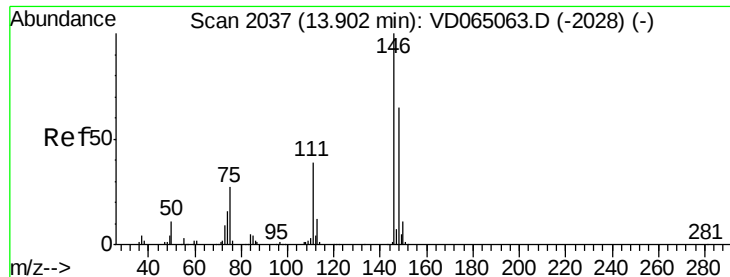
201 82.6 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

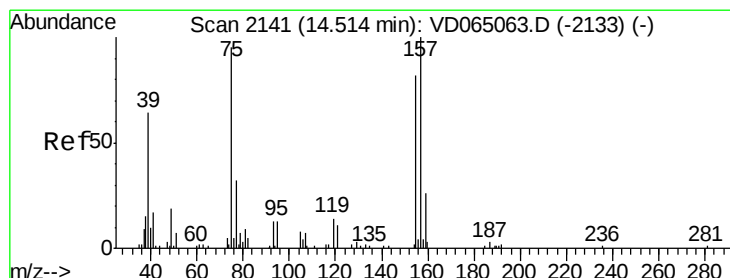
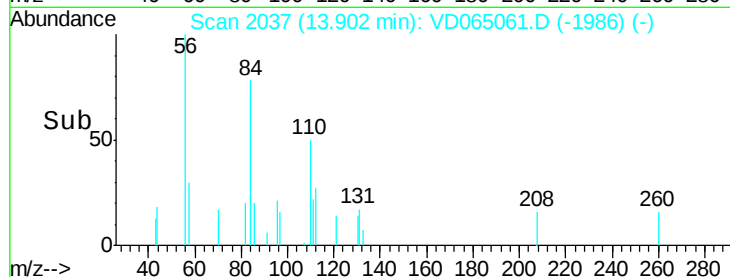
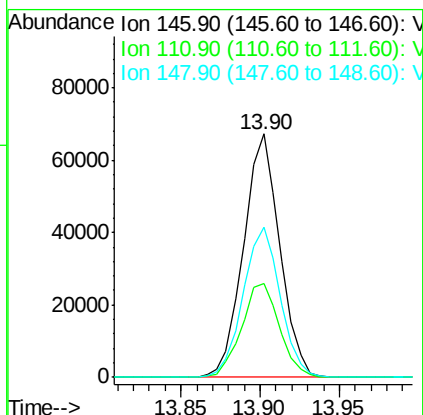
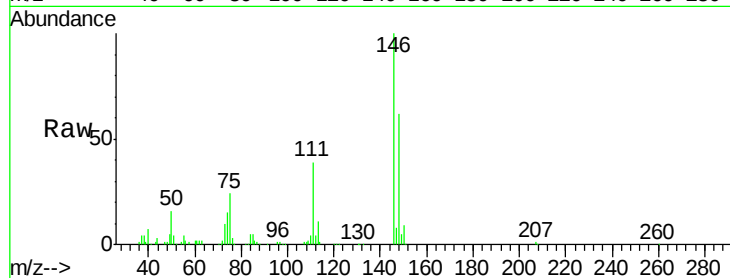




#91
 1,2-Dichlorobenzene
 Concen: 10.18 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

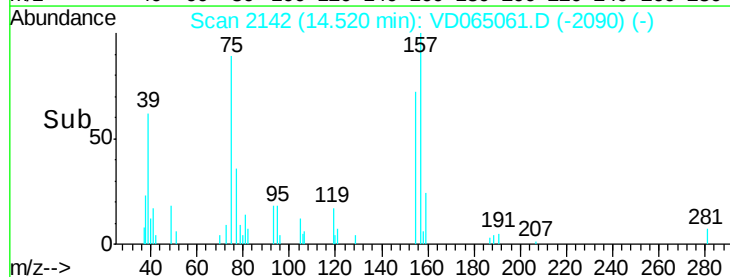
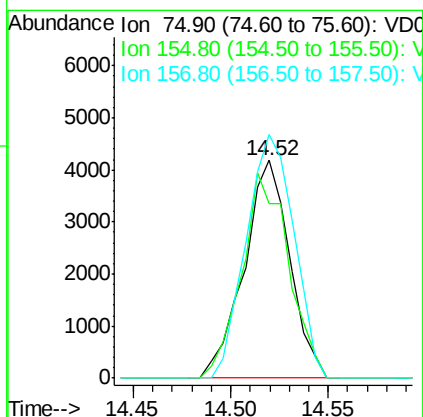
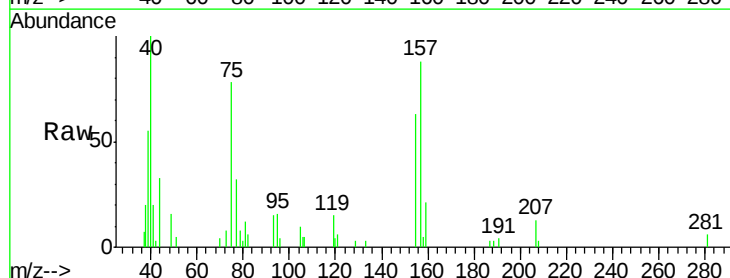
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

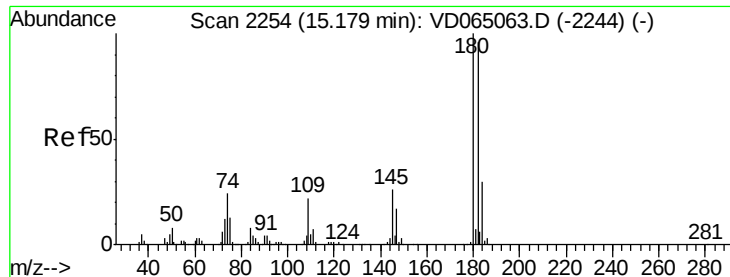
Tgt Ion: 146 Resp: 106521
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.7 59.1
 148 63.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.58 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 75 Resp: 6774
 Ion Ratio Lower Upper
 75 100
 155 96.8 43.4 130.1
 157 117.4 55.8 167.3

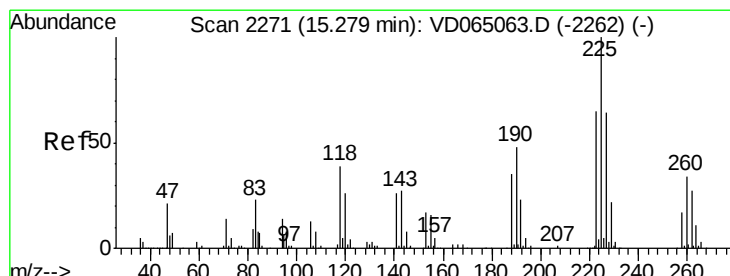
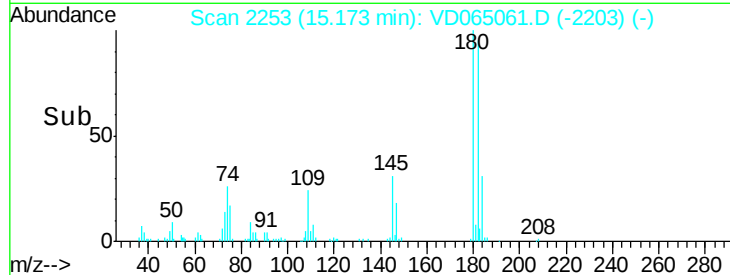
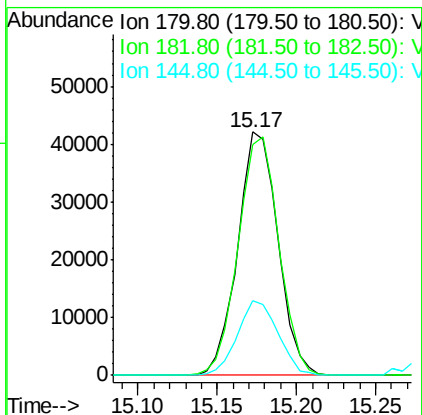
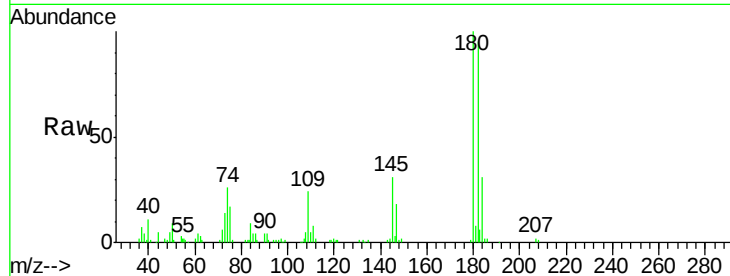




#93
 1,2,4-Trichlorobenzene
 Concen: 10.19 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

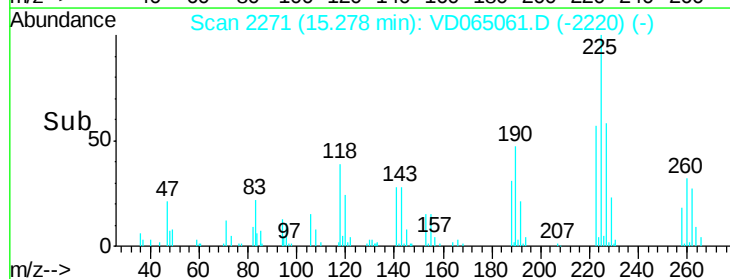
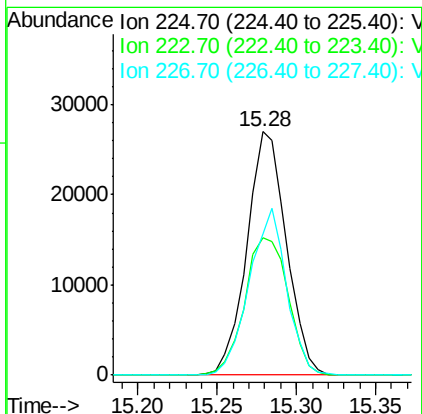
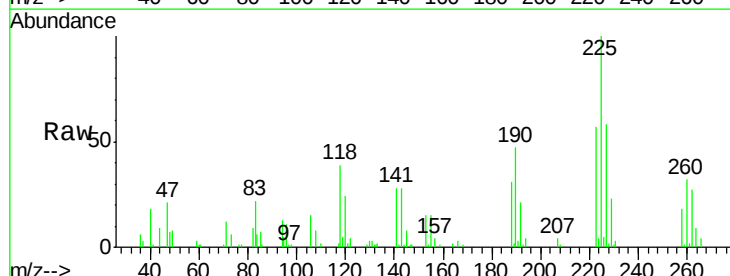
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

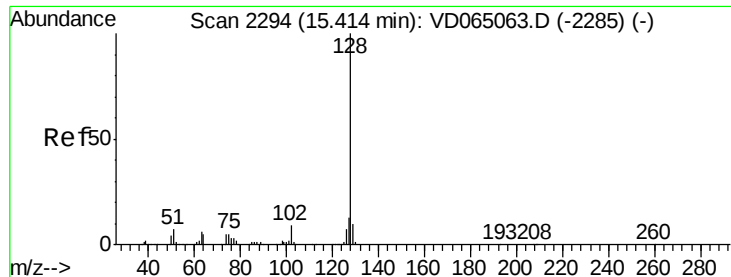
Tgt Ion:180 Resp: 74260
 Ion Ratio Lower Upper
 180 100
 182 99.5 47.4 142.3
 145 30.9 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 10.15 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion:225 Resp: 46753
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.0
 227 64.9 31.8 95.3

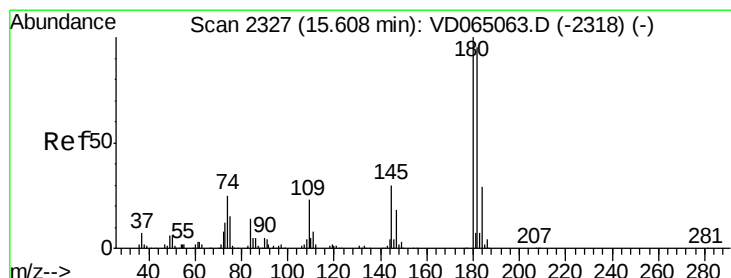
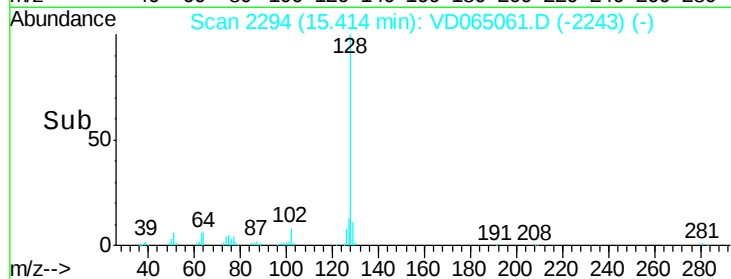
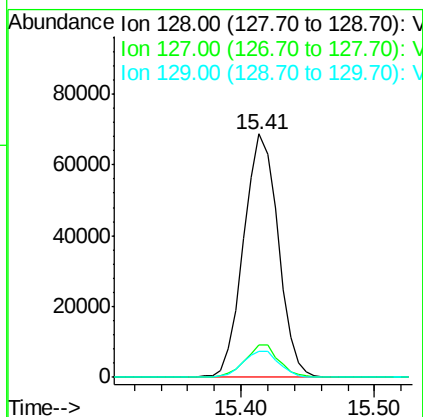
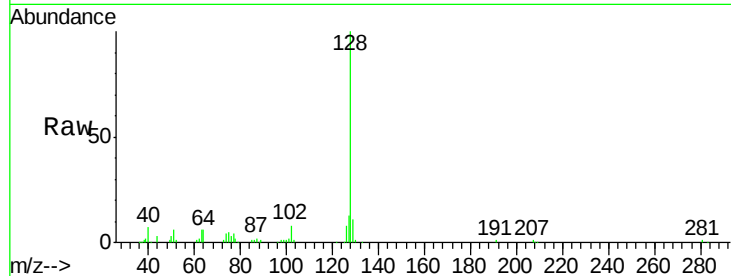




#95
Naphthalene
Concen: 10.48 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 122713
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.52 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion:180 Resp: 65862
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.4
145 30.9 14.9 44.9

