

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065408.D
 Acq On : 04 Mar 2020 12:28
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 04 16:00:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	505927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	734348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	409663	93.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.76%	
35) Dibromofluoromethane	7.92	113	430983	94.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.30%	
50) Toluene-d8	10.34	98	1718662	98.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.60%	
62) 4-Bromofluorobenzene	12.64	95	540058	98.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	383382	87.39	ug/l	99
3) Chloromethane	2.21	50	469252	89.29	ug/l	99
4) Vinyl Chloride	2.35	62	477276	91.85	ug/l	97
5) Bromomethane	2.76	94	283497	84.91	ug/l	100
6) Chloroethane	2.92	64	291645	91.96	ug/l	100
7) Trichlorofluoromethane	3.27	101	694174	90.61	ug/l	100
8) Diethyl Ether	3.71	74	216691	94.72	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	456119	92.49	ug/l	99
10) Methyl Iodide	4.30	142	556362	109.27	ug/l	98
11) Tert butyl alcohol	5.25	59	119557	506.61	ug/l	97
12) 1,1-Dichloroethene	4.06	96	443651	94.02	ug/l	94
13) Acrolein	3.93	56	207922	482.92	ug/l	99
14) Allyl chloride	4.71	41	714568	98.30	ug/l	99
15) Acrylonitrile	5.43	53	487630	485.22	ug/l	99
16) Acetone	4.17	43	416244	467.67	ug/l	99
17) Carbon Disulfide	4.40	76	1471518	93.42	ug/l	100
18) Methyl Acetate	4.73	43	214035	94.06	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	925327	100.89	ug/l	98
20) Methylene Chloride	4.96	84	462056	83.74	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	504425	95.84	ug/l	98
22) Diisopropyl ether	6.37	45	1345727	98.65	ug/l	98
23) Vinyl Acetate	6.31	43	4006118	529.56	ug/l	99
24) 1,1-Dichloroethane	6.27	63	812277	93.75	ug/l	98
25) 2-Butanone	7.22	43	605472	497.23	ug/l	97
26) 2,2-Dichloropropane	7.21	77	713689	94.24	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	529251	98.06	ug/l	98
28) Bromochloromethane	7.55	49	333209	94.80	ug/l	99
29) Tetrahydrofuran	7.57	42	390582	499.32	ug/l	98
30) Chloroform	7.71	83	813951	93.41	ug/l	95
31) Cyclohexane	7.98	56	812425	94.23	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	752183	94.06	ug/l	99
36) 1,1-Dichloropropene	8.11	75	677051	95.87	ug/l	99
37) Ethyl Acetate	7.30	43	270820	97.97	ug/l	98
38) Carbon Tetrachloride	8.10	117	698381	95.80	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	887194	105.14	ug/l	94
40) Benzene	8.36	78	1891143	95.53	ug/l	100
41) Methacrylonitrile	7.53	41	155918	111.00	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	499551	95.89	ug/l	99
43) Isopropyl Acetate	8.46	43	507229	100.27	ug/l	100
44) Trichloroethene	9.11	130	538577	96.91	ug/l	98
45) 1,2-Dichloropropane	9.39	63	462653	96.22	ug/l	97
46) Dibromomethane	9.48	93	240166	96.07	ug/l	98
47) Bromodichloromethane	9.67	83	618477	95.29	ug/l	98
48) Methyl methacrylate	9.46	41	248048	103.66	ug/l	99
49) 1,4-Dioxane	9.47	88	58169	2021.43	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	1317709	515.07	ug/l	100
52) Toluene	10.41	92	1219156	97.64	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	618403	101.27	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	740387	100.39	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	336932	95.30	ug/l	98
56) Ethyl methacrylate	10.67	69	437539	109.15	ug/l	98
57) 1,3-Dichloropropane	10.95	76	581433	96.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	603489	423.50	ug/l	99
59) 2-Hexanone	10.99	43	928876	523.75	ug/l	98
60) Dibromochloromethane	11.15	129	438556	96.33	ug/l	99
61) 1,2-Dibromoethane	11.26	107	329801	97.67	ug/l	99
64) Tetrachloroethene	10.88	164	461385	96.55	ug/l	99
65) Chlorobenzene	11.68	112	1263409	95.46	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	461888	95.59	ug/l	98
67) Ethyl Benzene	11.75	91	2303278	100.95	ug/l	100
68) m/p-Xylenes	11.86	106	1756076	199.65	ug/l	99
69) o-Xylene	12.18	106	800527	103.47	ug/l	99
70) Styrene	12.20	104	1386156	101.57	ug/l	100
71) Bromoform	12.37	173	262643	96.35	ug/l	99
73) Isopropylbenzene	12.48	105	2210285	104.12	ug/l	100
74) N-amyl acetate	12.30	43	467579	106.67	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	364440	96.78	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	475453	106.50	ug/l #	100
77) Bromobenzene	12.77	156	520975	97.88	ug/l	99
78) n-propylbenzene	12.83	91	2588840	102.48	ug/l	100
79) 2-Chlorotoluene	12.91	91	1421093	99.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1790584	102.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	126788	104.67	ug/l	97
82) 4-Chlorotoluene	13.01	91	1482027	98.91	ug/l	99
83) tert-Butylbenzene	13.23	119	1592476	107.93	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	1777956	103.06	ug/l	100
85) sec-Butylbenzene	13.41	105	2175190	103.28	ug/l	99
86) p-Isopropyltoluene	13.53	119	2020652	105.11	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	980067	96.41	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	976365	96.28	ug/l	99
89) n-Butylbenzene	13.85	91	1869415	105.37	ug/l	99
90) Hexachloroethane	14.13	117	388263	97.81	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	844610	96.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	55132	95.38	ug/l	99

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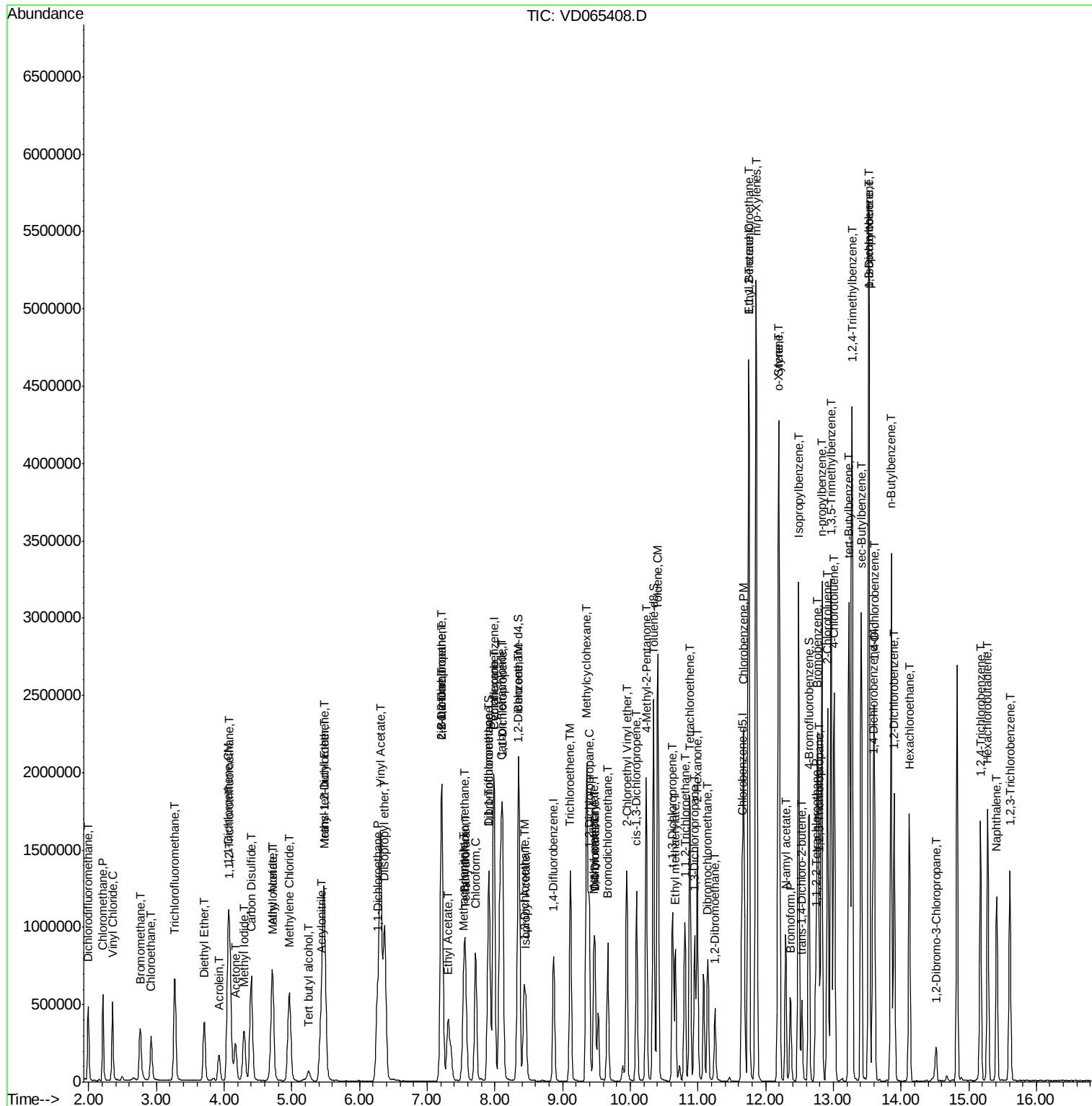
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	611303	104.28	ug/l	98
94) Hexachlorobutadiene	15.28	225	380194	99.14	ug/l	99
95) Naphthalene	15.41	128	1055654	111.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	527718	103.64	ug/l	98

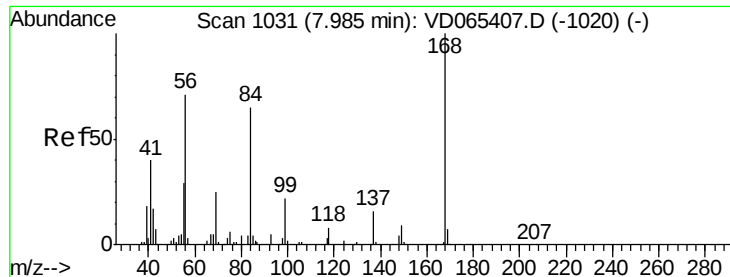
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
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 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

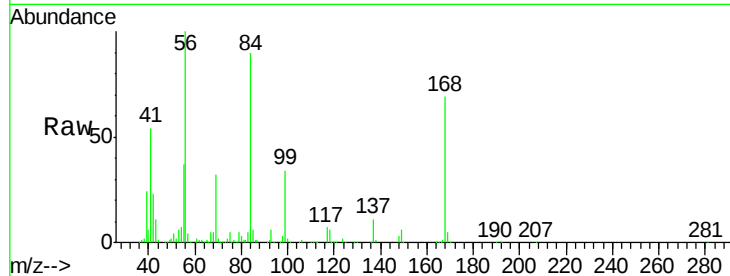
VSTDIC100

Tgt Ion:168 Resp: 505927

Ion Ratio Lower Upper

168 100

99 49.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

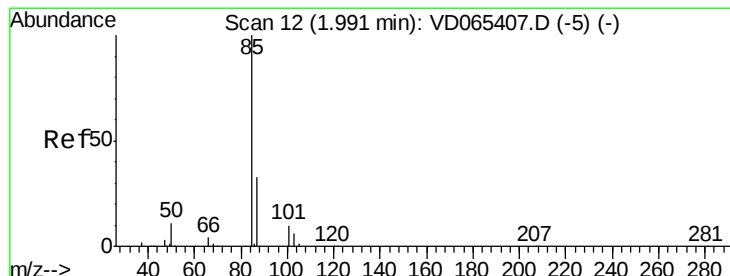
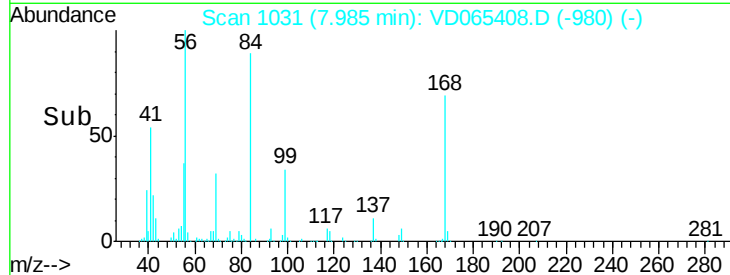
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 87.39 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065408.D

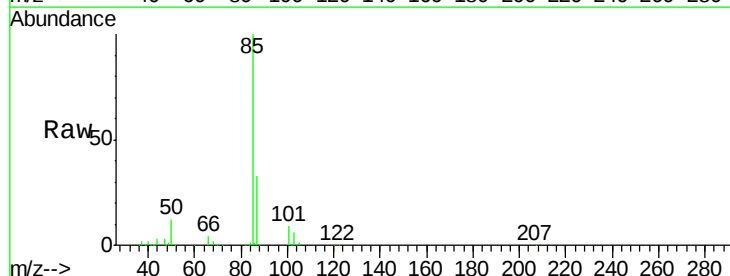
Acq: 04 Mar 2020 12:28

Tgt Ion: 85 Resp: 383382

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300000

250000

200000

150000

100000

50000

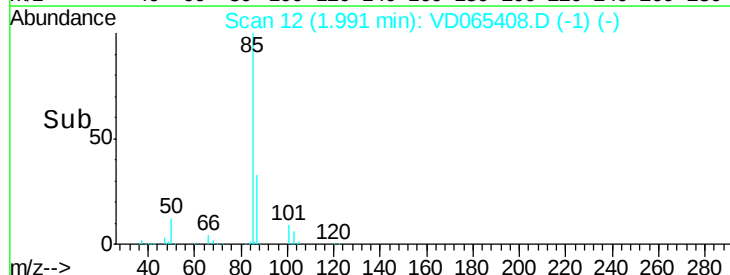
0

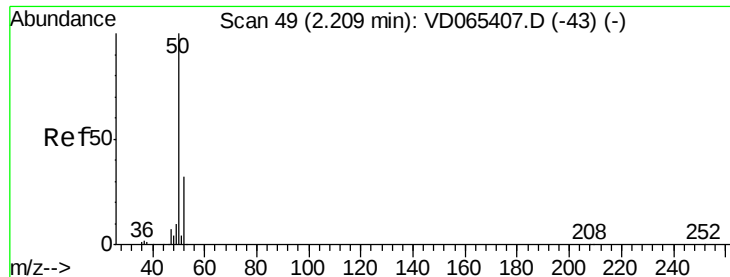
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 89.29 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

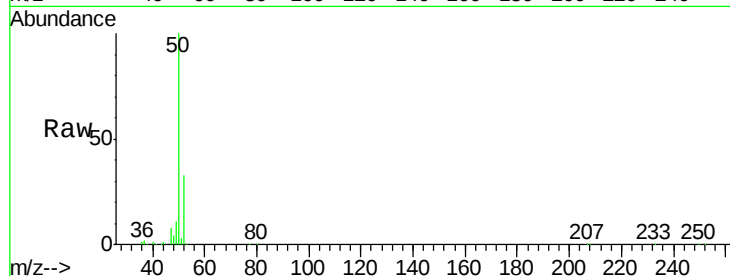
VSTDICC100

Tgt Ion: 50 Resp: 469252

Ion Ratio Lower Upper

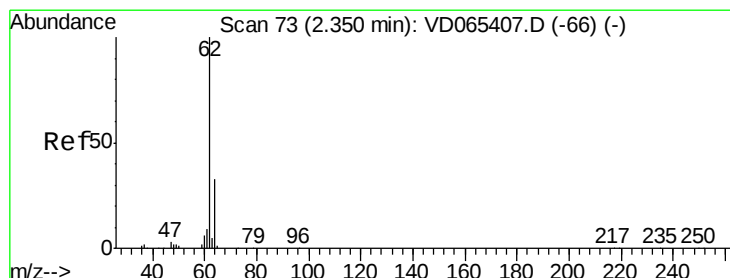
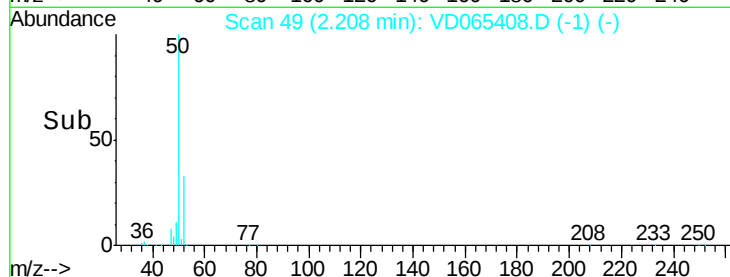
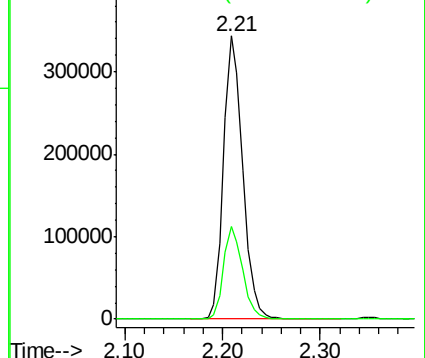
50 100

52 32.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 91.85 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065408.D

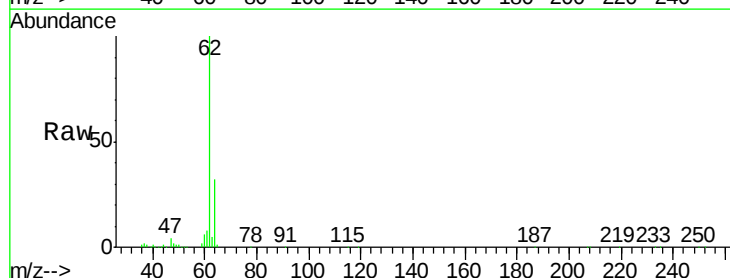
Acq: 04 Mar 2020 12:28

Tgt Ion: 62 Resp: 477276

Ion Ratio Lower Upper

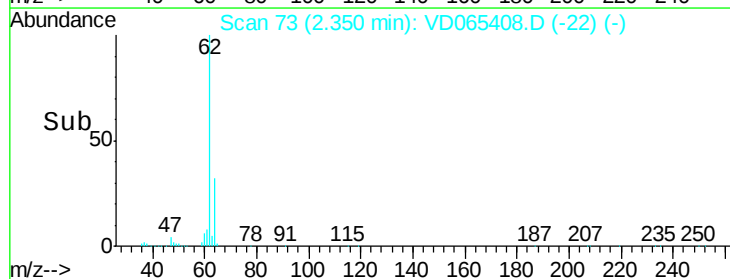
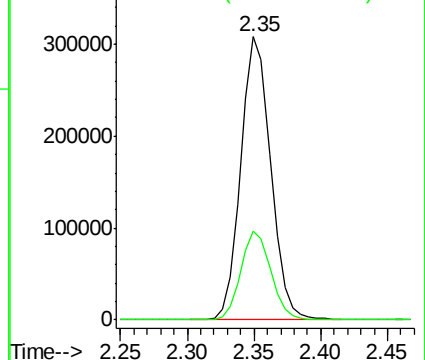
62 100

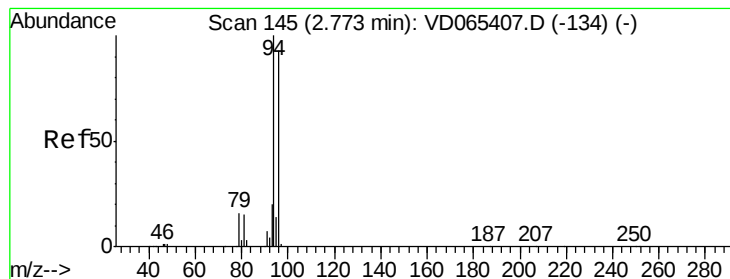
64 31.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 84.91 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

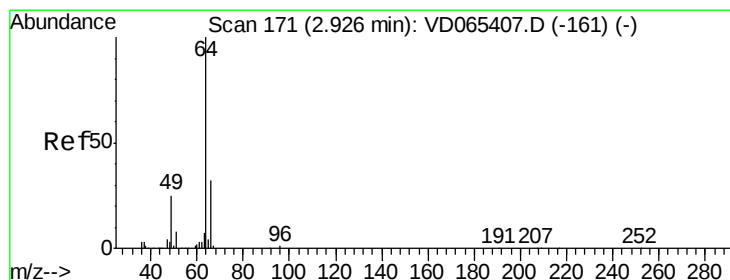
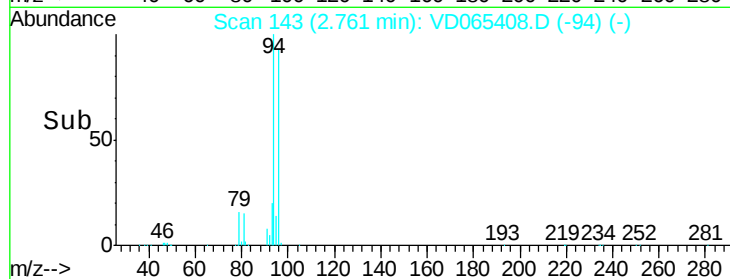
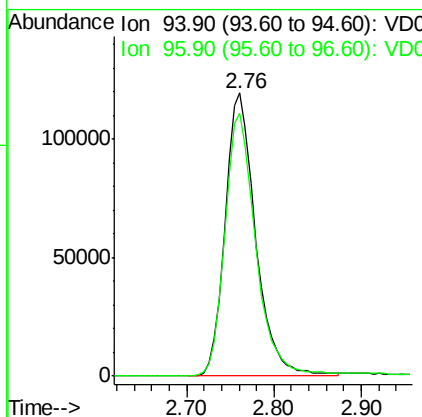
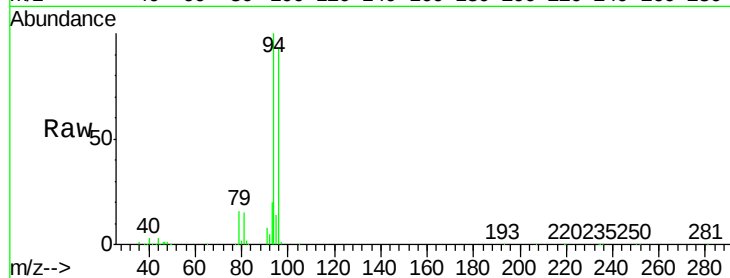
VSTDIC100

Tgt Ion: 94 Resp: 283497

Ion Ratio Lower Upper

94 100

96 92.7 74.4 111.6



#6

Chloroethane

Concen: 91.96 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065408.D

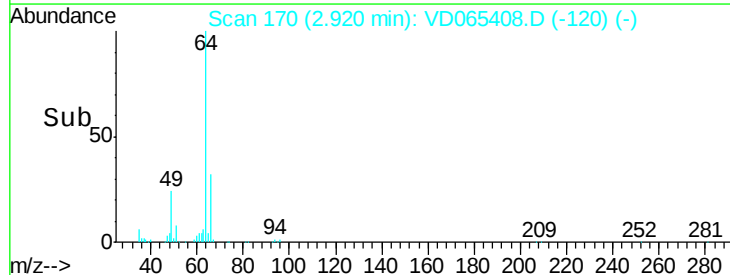
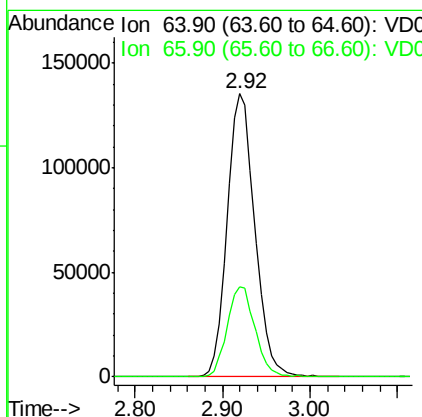
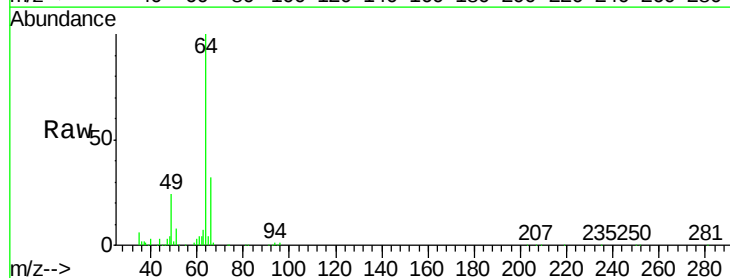
Acq: 04 Mar 2020 12:28

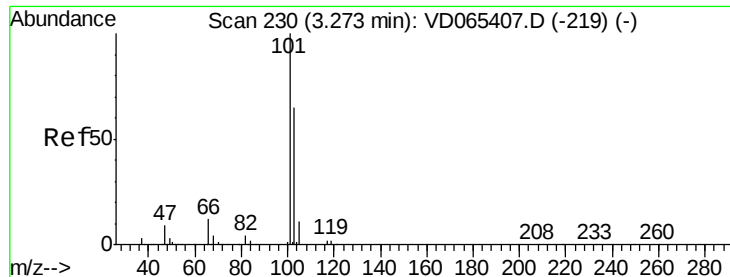
Tgt Ion: 64 Resp: 291645

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

Trichlorofluoromethane

Concen: 90.61 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

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ClientSampleId :

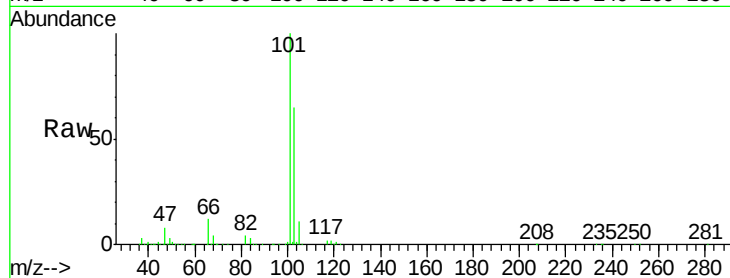
VSTDIC100

Tgt Ion: 101 Resp: 694174

Ion Ratio Lower Upper

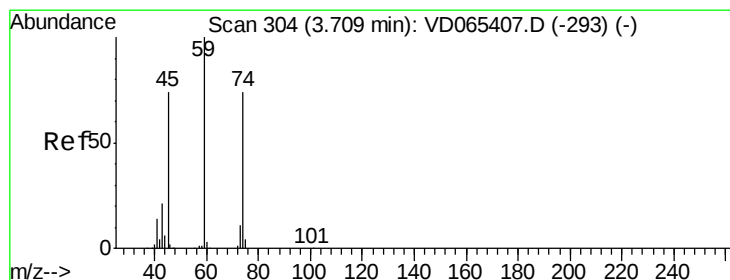
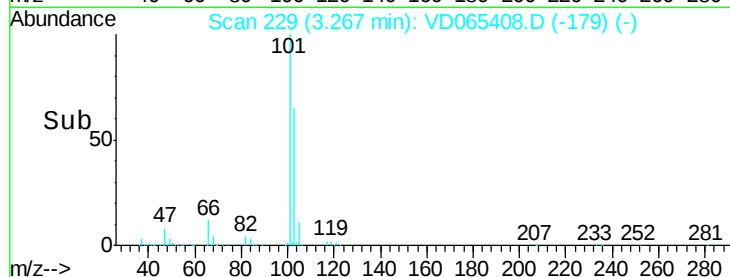
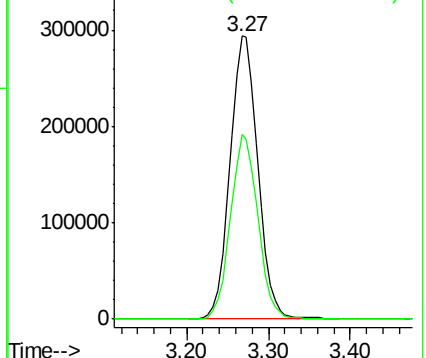
101 100

103 65.2 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 94.72 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD065408.D

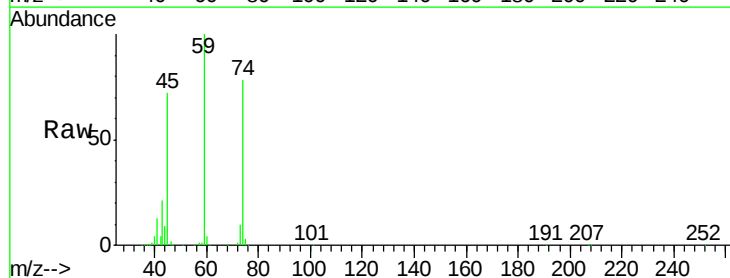
Acq: 04 Mar 2020 12:28

Tgt Ion: 74 Resp: 216691

Ion Ratio Lower Upper

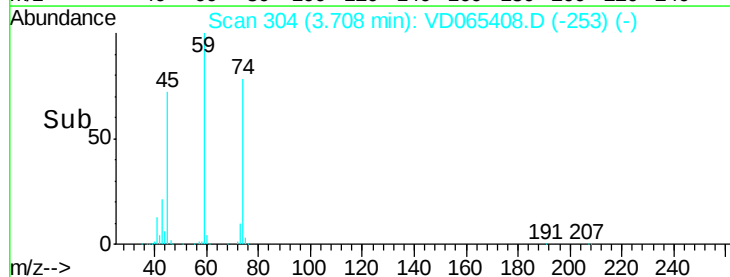
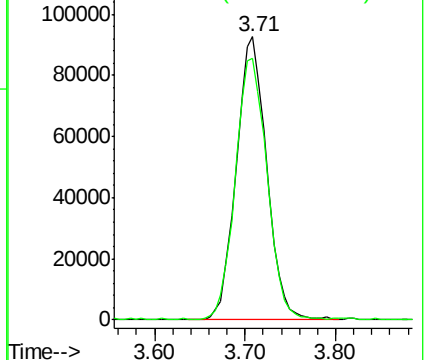
74 100

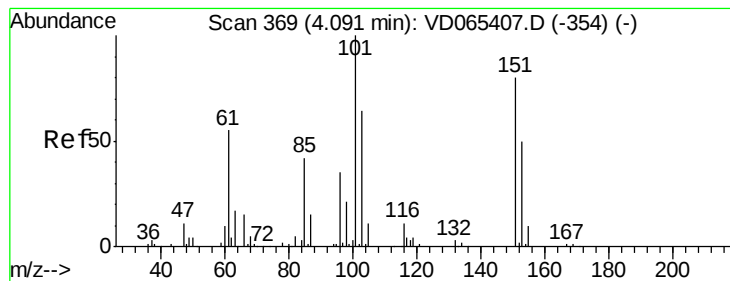
45 95.4 49.5 148.5



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: 92.49 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

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VSTDIC100

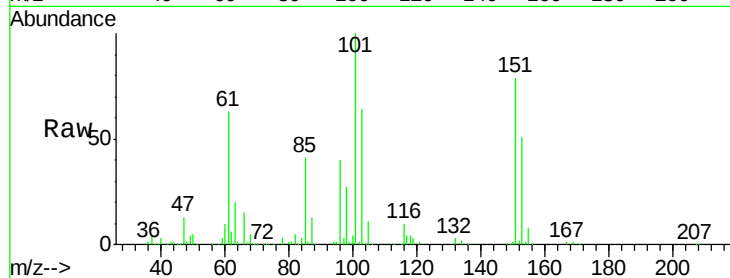
Tgt Ion:101 Resp: 456119

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.2

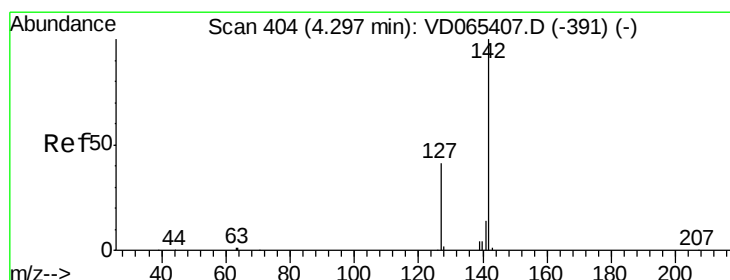
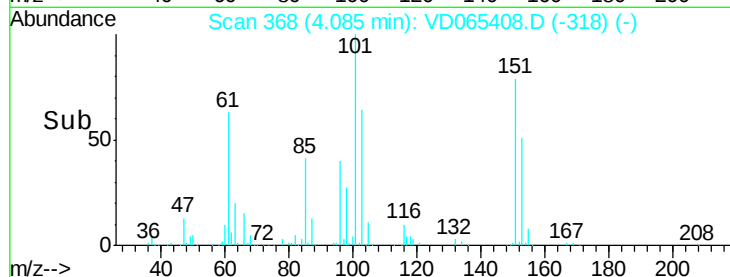
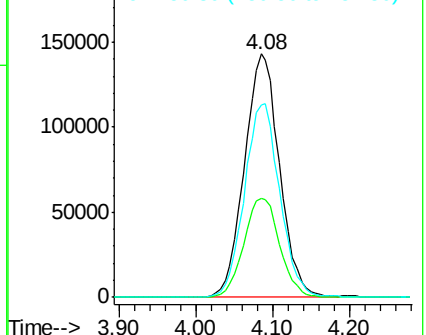
151 80.5 65.1 97.7



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: 109.27 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

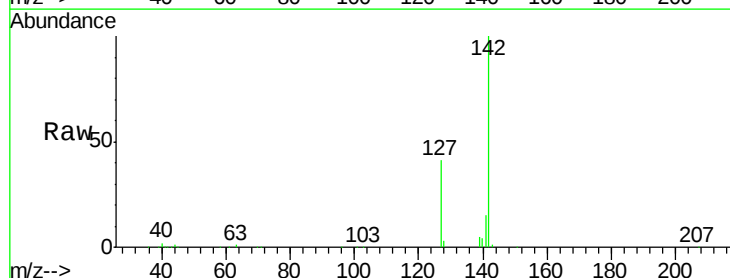
Tgt Ion:142 Resp: 556362

Ion Ratio Lower Upper

142 100

127 42.5 35.0 52.6

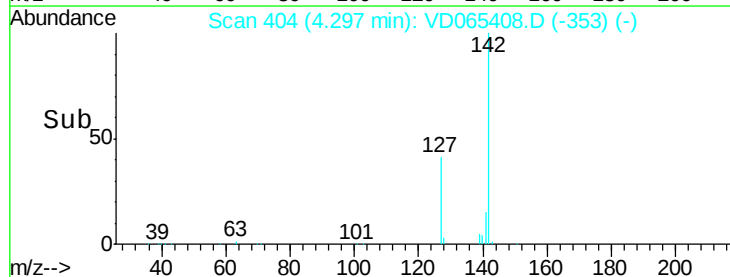
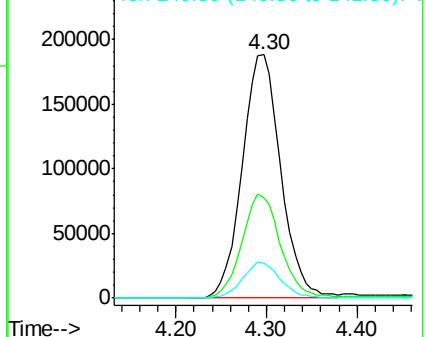
141 14.5 12.4 18.6

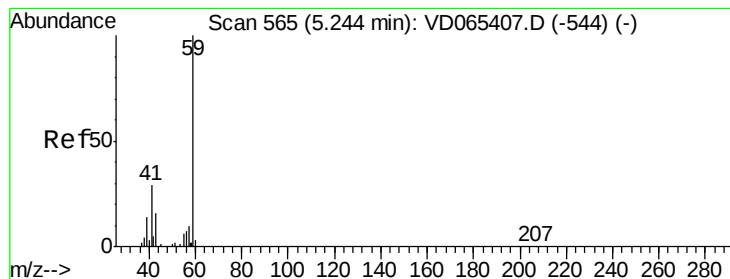


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



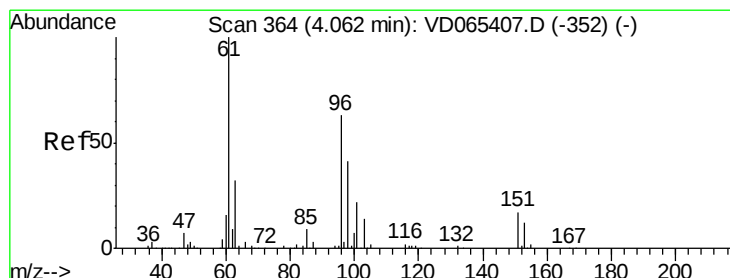
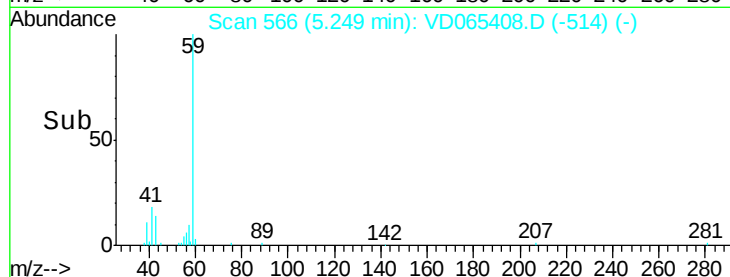
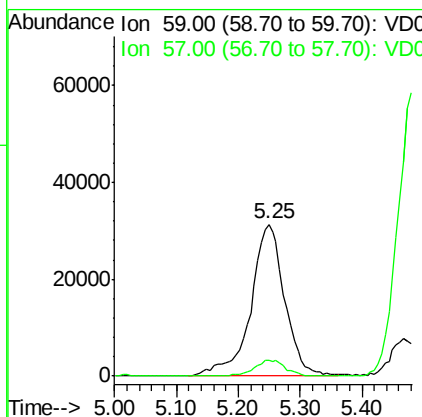
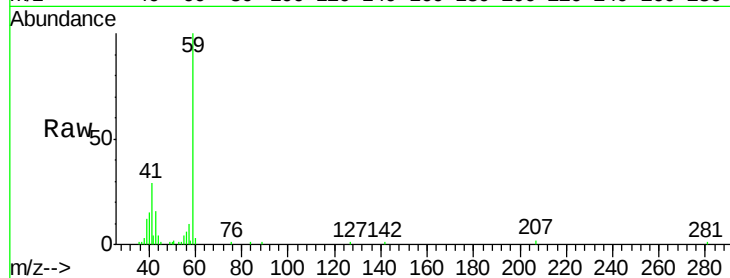


#11

Tert butyl alcohol
 Concen: 506.61 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

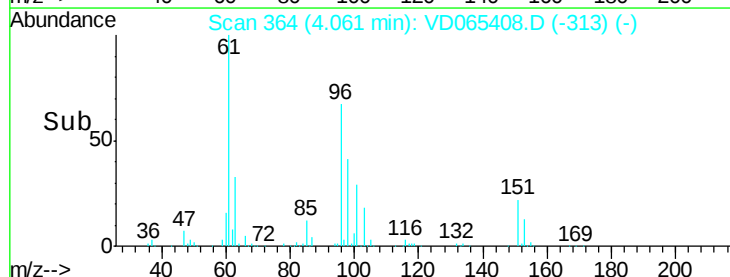
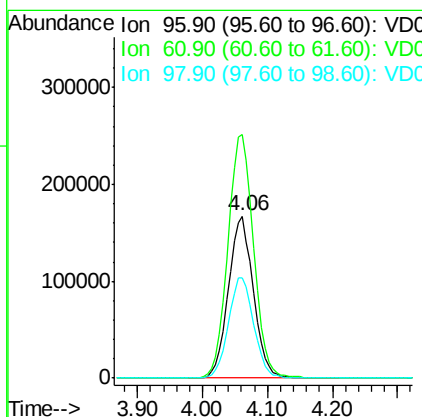
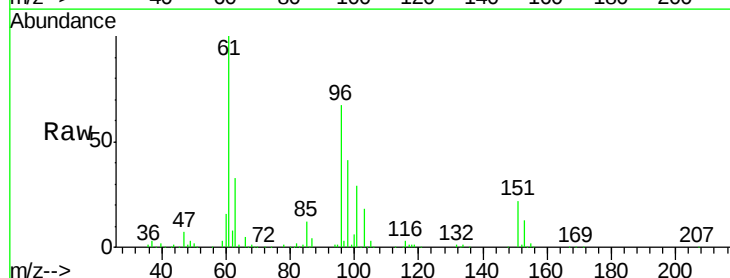
Tgt Ion: 59 Resp: 119557
 Ion Ratio Lower Upper
 59 100
 57 9.7 6.9 10.3

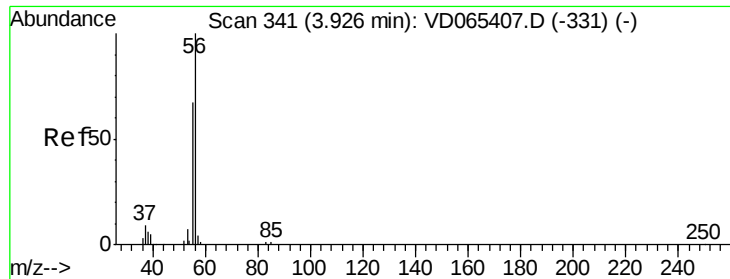


#12

1,1-Dichloroethene
 Concen: 94.02 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion: 96 Resp: 443651
 Ion Ratio Lower Upper
 96 100
 61 150.2 128.0 192.0
 98 62.2 51.9 77.9





#13

Acrolein

Concen: 482.92 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

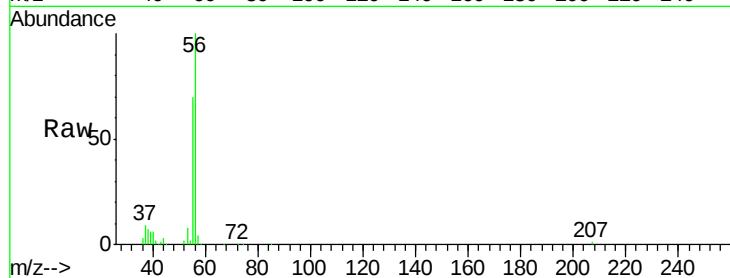
VSTDIC100

Tgt Ion: 56 Resp: 207922

Ion Ratio Lower Upper

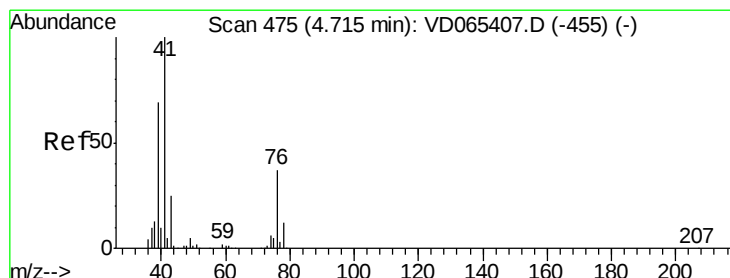
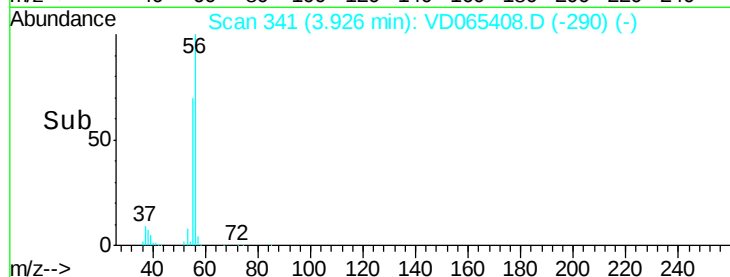
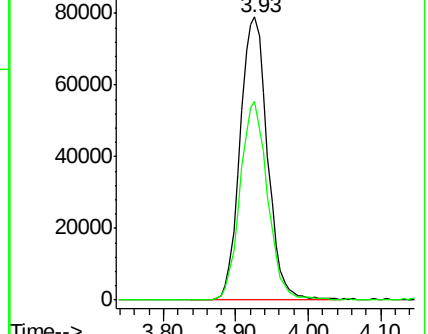
56 100

55 69.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 98.30 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

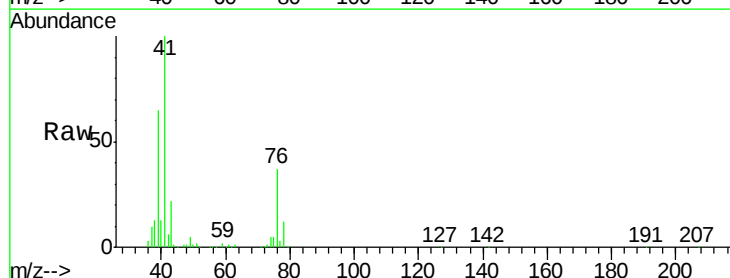
Tgt Ion: 41 Resp: 714568

Ion Ratio Lower Upper

41 100

39 64.3 52.6 79.0

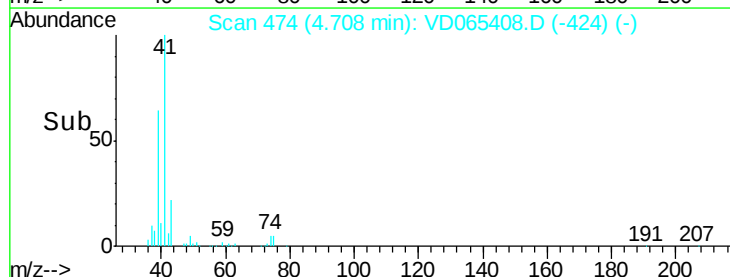
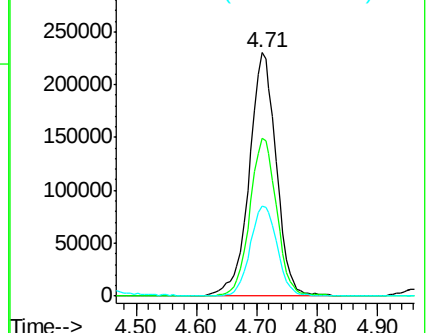
76 36.2 29.2 43.8

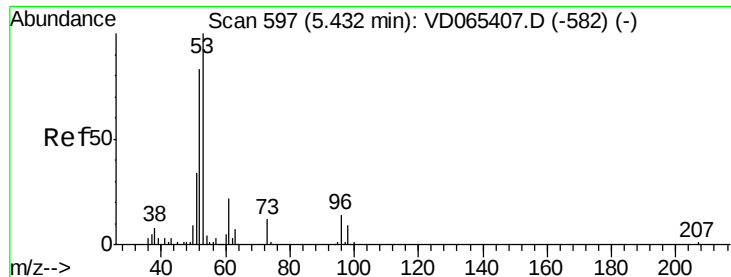


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 485.22 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

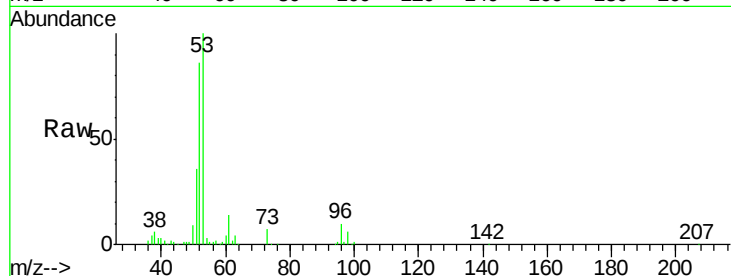
Tgt Ion: 53 Resp: 487630

Ion Ratio Lower Upper

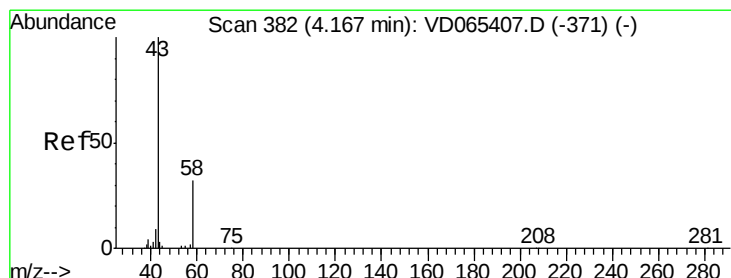
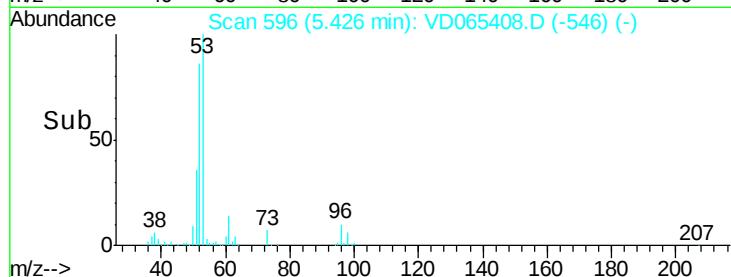
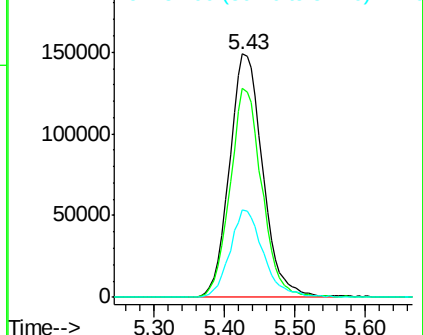
53 100

52 82.1 65.1 97.7

51 36.3 28.5 42.7



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: 467.67 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065408.D

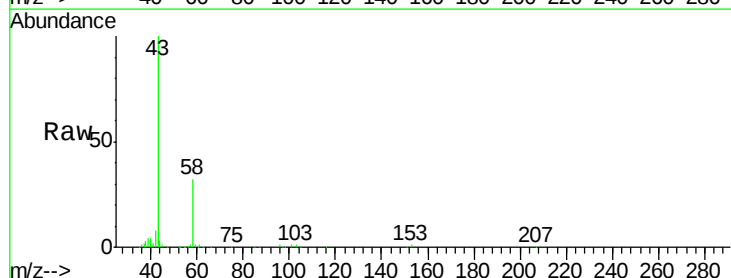
Acq: 04 Mar 2020 12:28

Tgt Ion: 43 Resp: 416244

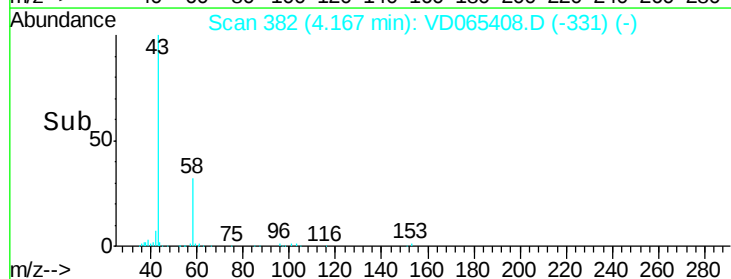
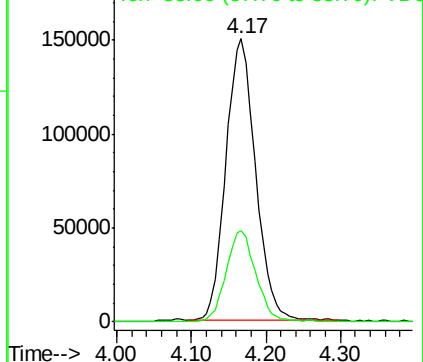
Ion Ratio Lower Upper

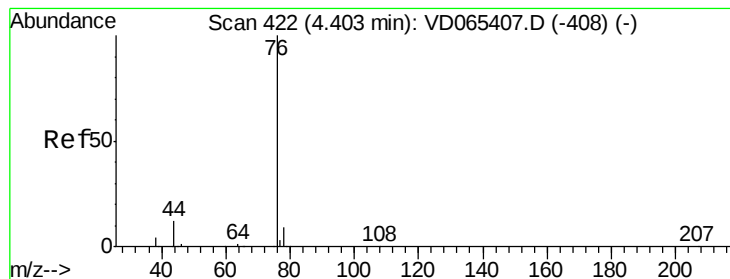
43 100

58 32.2 25.1 37.7



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





#17

Carbon Disulfide

Concen: 93.42 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

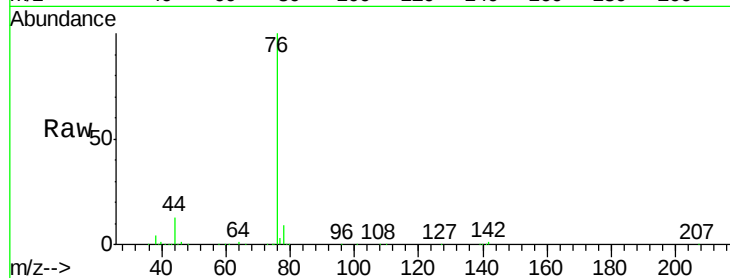
VSTDIC100

Tgt Ion: 76 Resp: 1471518

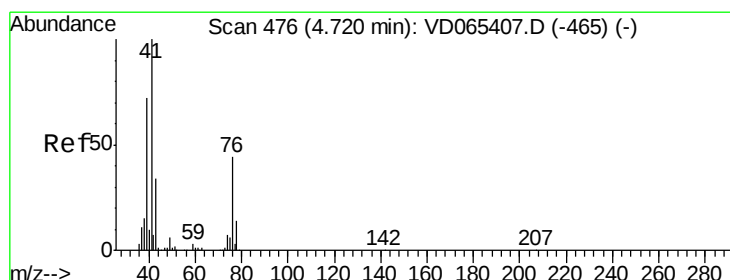
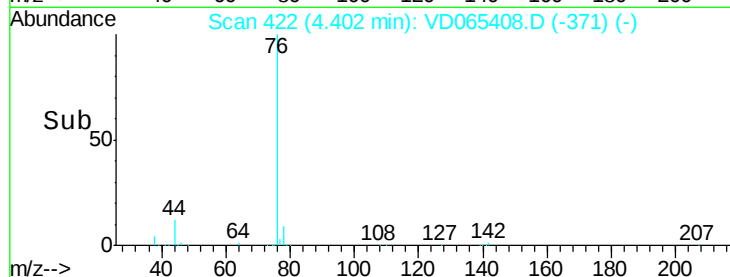
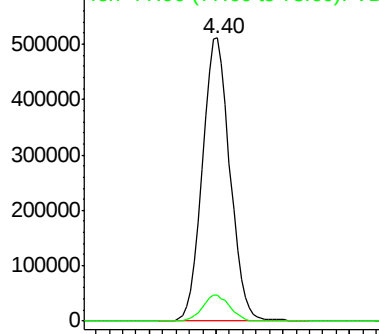
Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 94.06 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065408.D

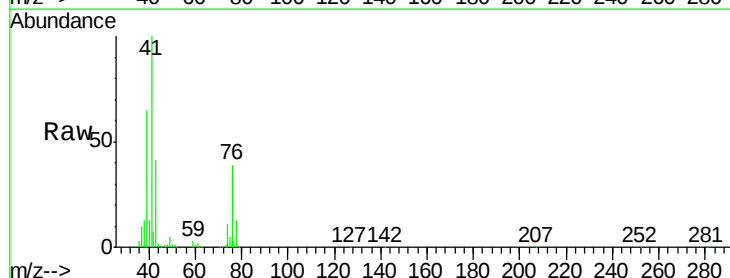
Acq: 04 Mar 2020 12:28

Tgt Ion: 43 Resp: 214035

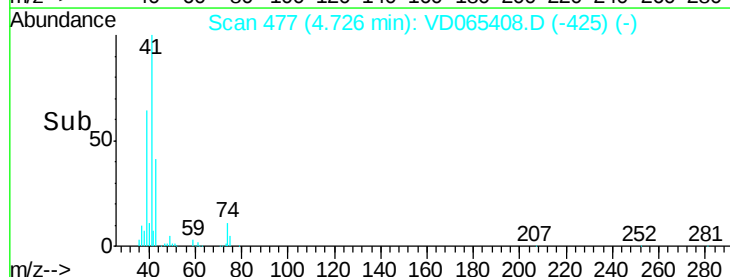
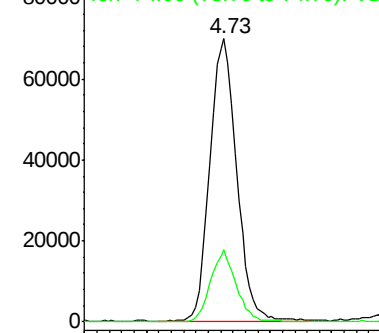
Ion Ratio Lower Upper

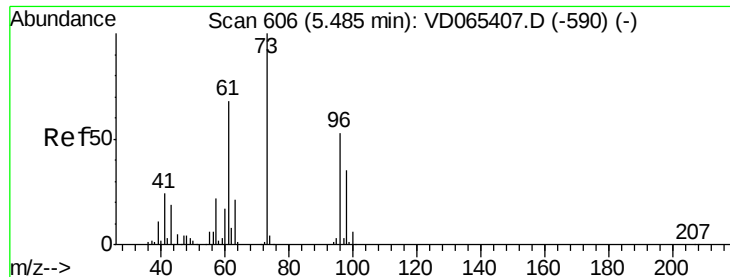
43 100

74 23.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

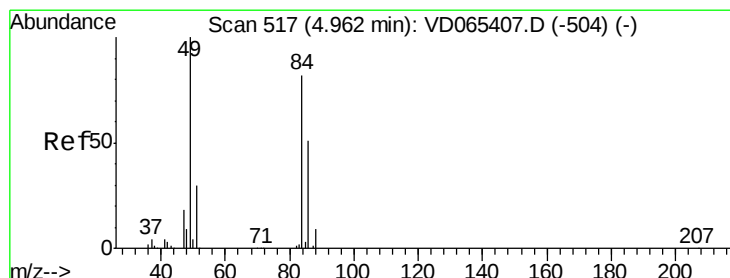
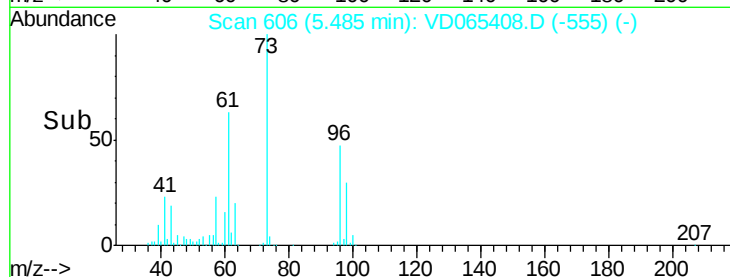
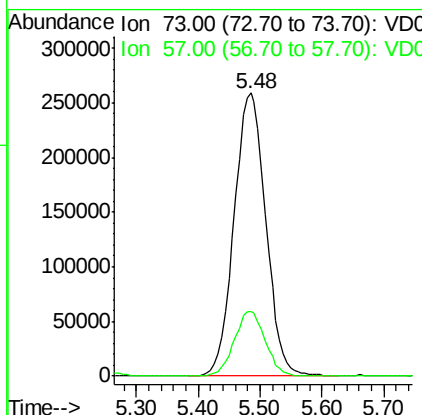
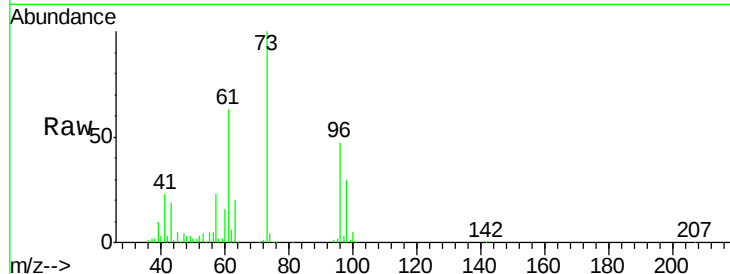




#19
Methyl tert-butyl Ether
Concen: 100.89 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

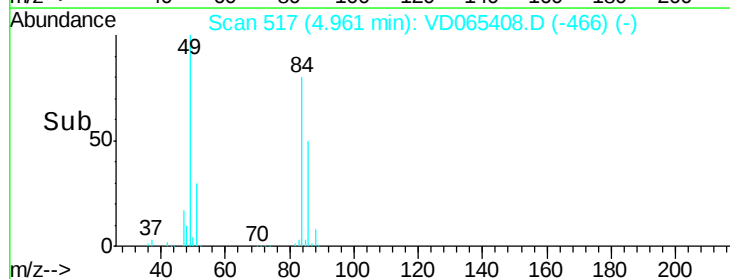
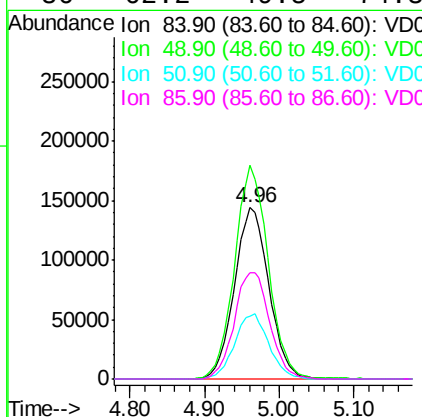
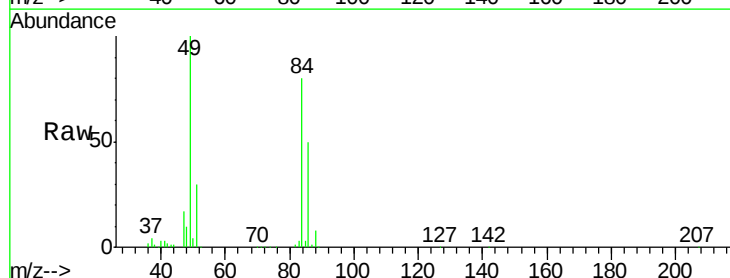
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

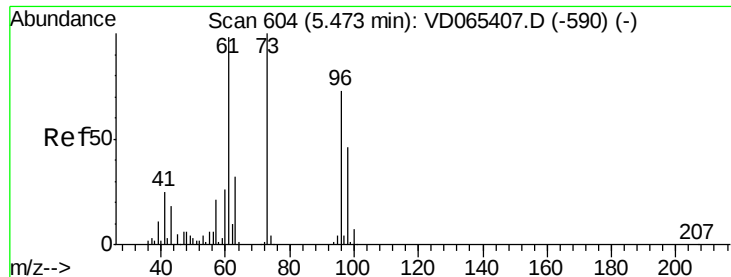
Tgt Ion: 73 Resp: 925327
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9



#20
Methylene Chloride
Concen: 83.74 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Tgt Ion: 84 Resp: 462056
Ion Ratio Lower Upper
84 100
49 124.9 97.7 146.5
51 37.0 28.8 43.2
86 62.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 95.84 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

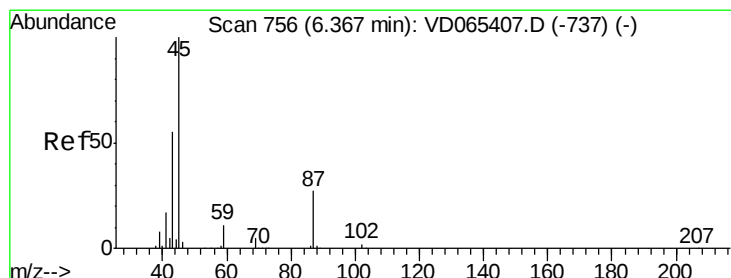
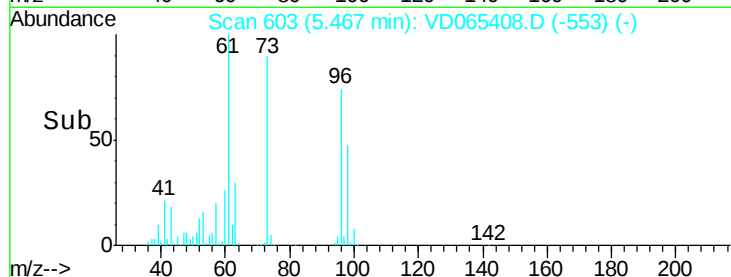
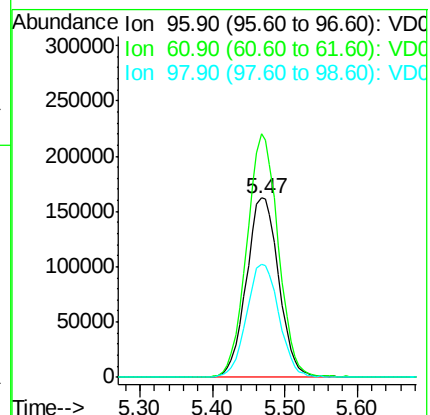
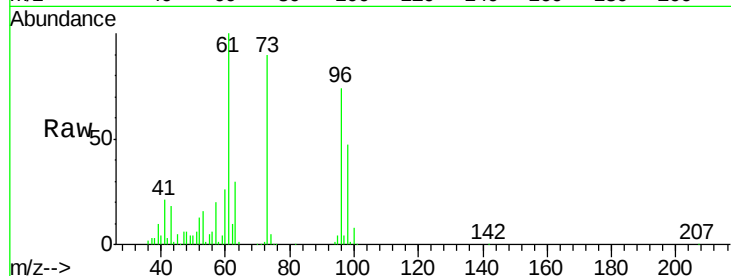
Tgt Ion: 96 Resp: 504425

Ion Ratio Lower Upper

96 100

61 135.7 106.3 159.5

98 63.3 50.2 75.4



#22

Diisopropyl ether

Concen: 98.65 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Tgt Ion: 45 Resp: 1345727

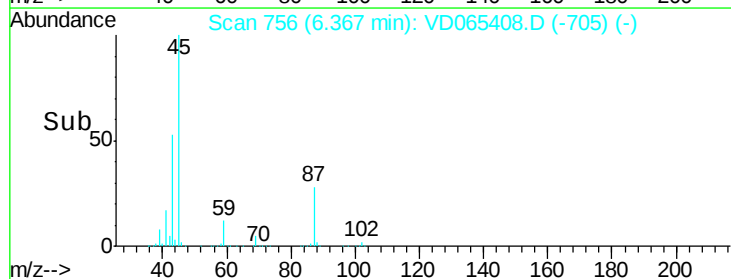
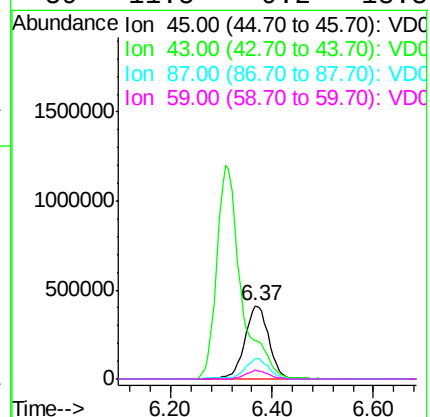
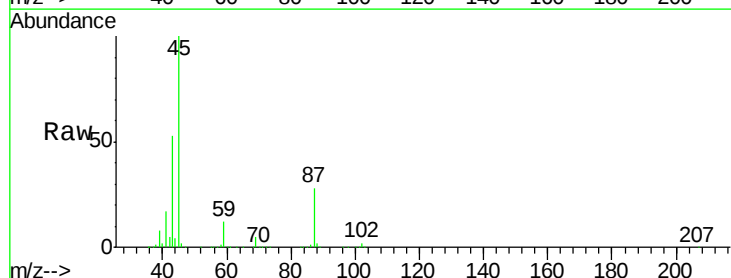
Ion Ratio Lower Upper

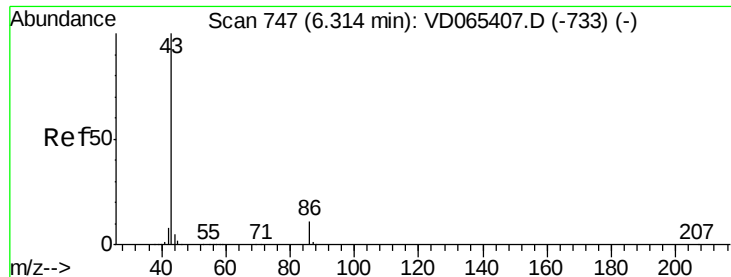
45 100

43 52.5 44.4 66.6

87 27.5 21.9 32.9

59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 529.56 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

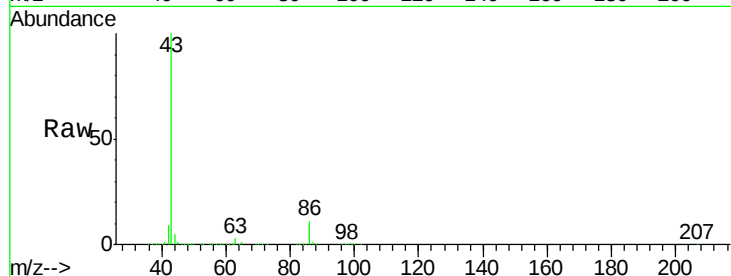
VSTDIC100

Tgt Ion: 43 Resp: 4006118

Ion Ratio Lower Upper

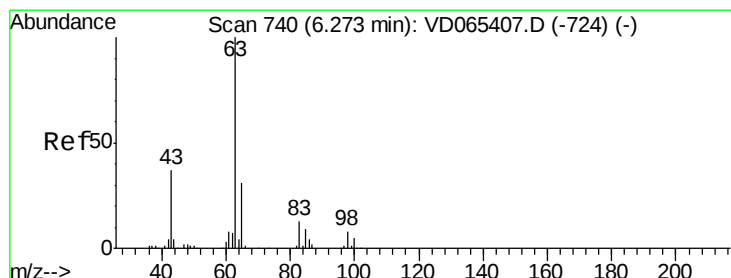
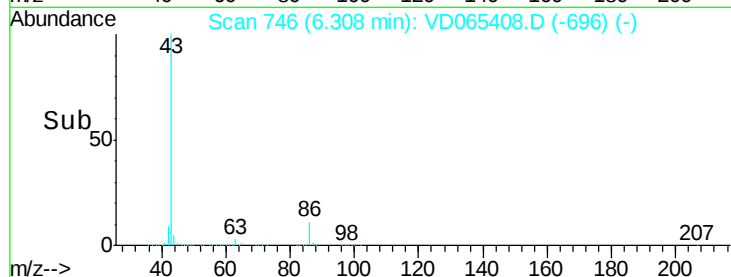
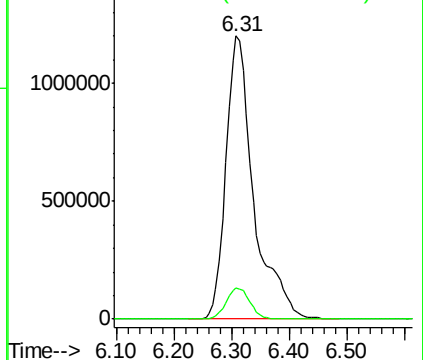
43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 93.75 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

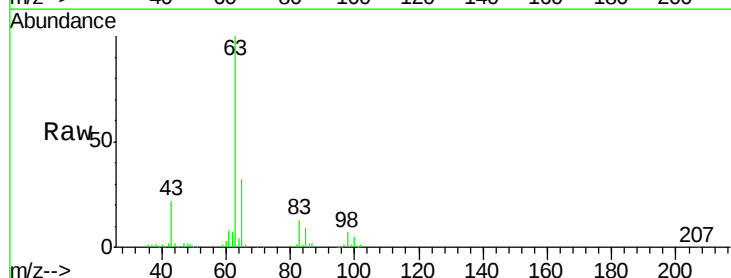
Tgt Ion: 63 Resp: 812277

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

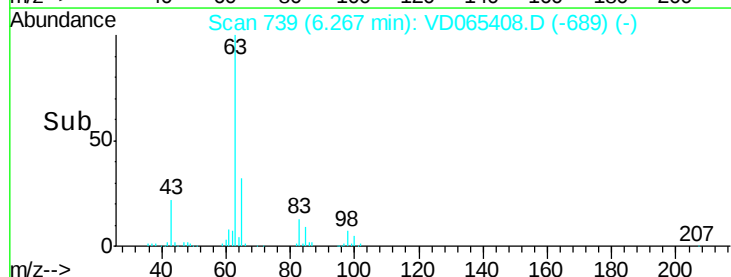
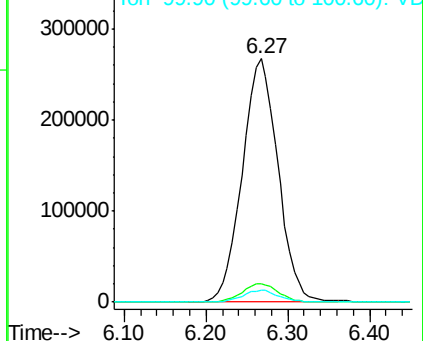
100 4.8 2.4 7.2

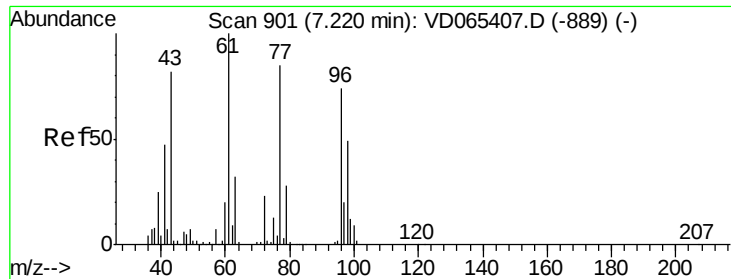


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 497.23 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

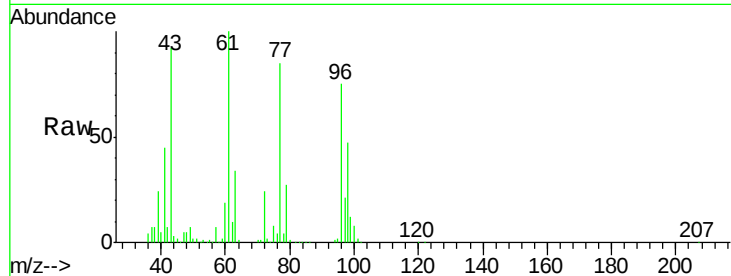
VSTDIC100

Tgt Ion: 43 Resp: 605472

Ion Ratio Lower Upper

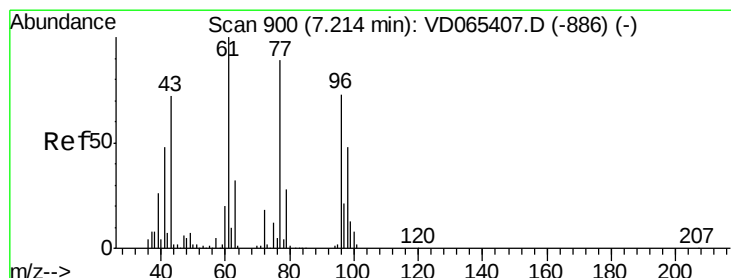
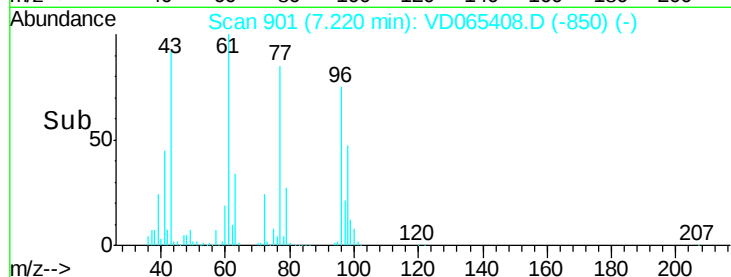
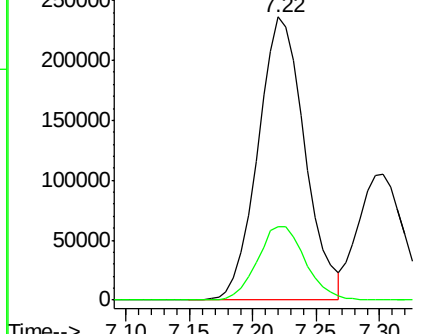
43 100

72 26.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 94.24 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065408.D

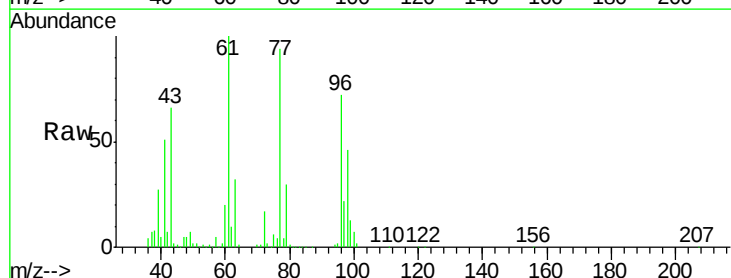
Acq: 04 Mar 2020 12:28

Tgt Ion: 77 Resp: 713689

Ion Ratio Lower Upper

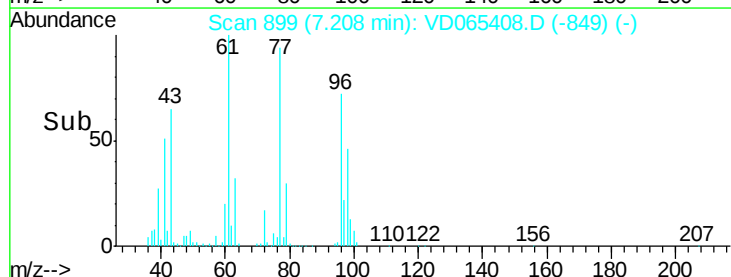
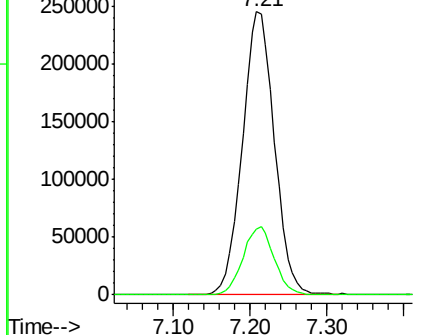
77 100

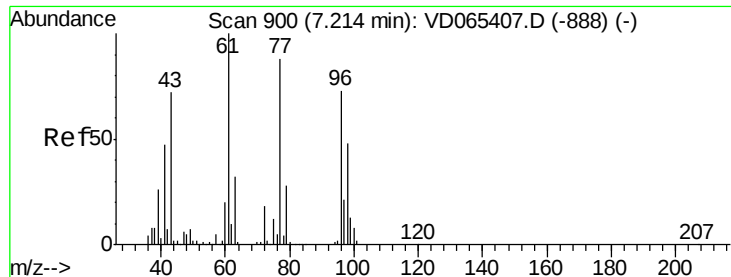
97 23.6 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

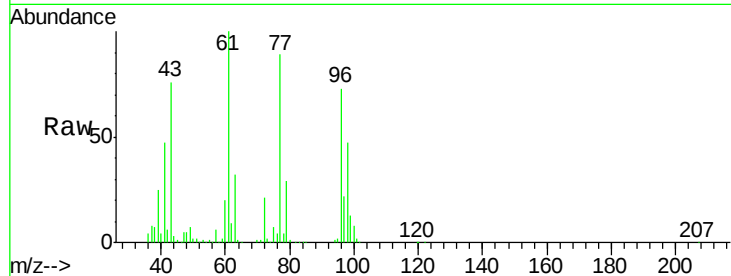




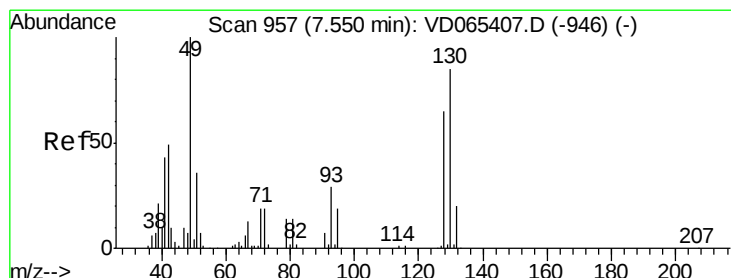
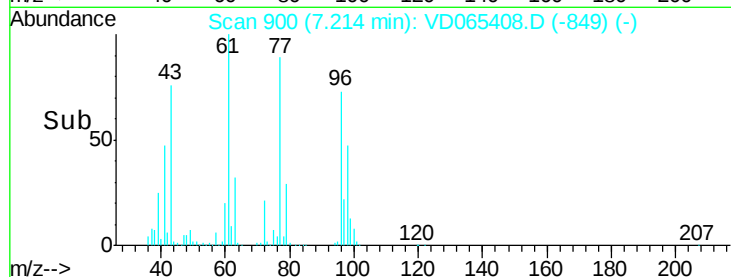
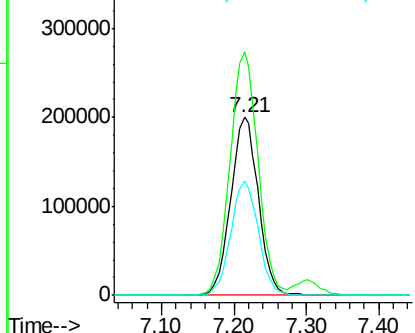
#27
 cis-1,2-Dichloroethene
 Concen: 98.06 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 96 Resp: 529251
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 280.4
 98 64.3 0.0 132.6

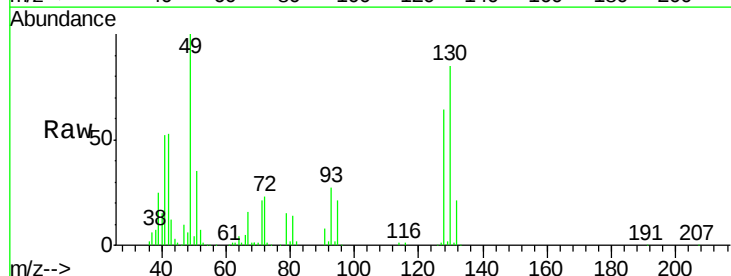


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

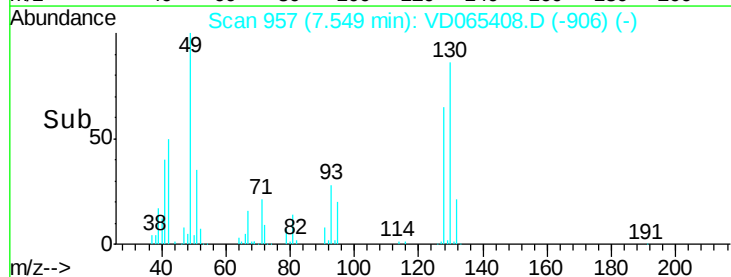
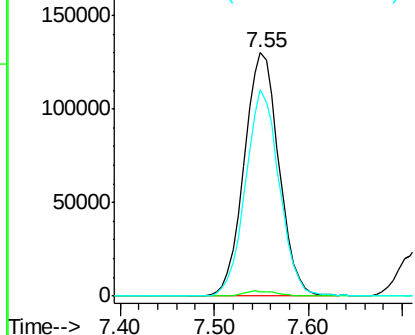


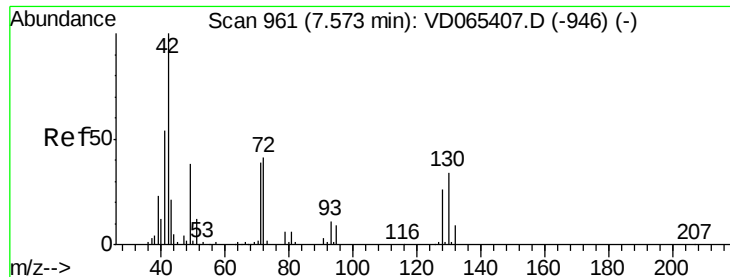
#28
 Bromochloromethane
 Concen: 94.80 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion: 49 Resp: 333209
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.6
 130 82.2 66.6 100.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

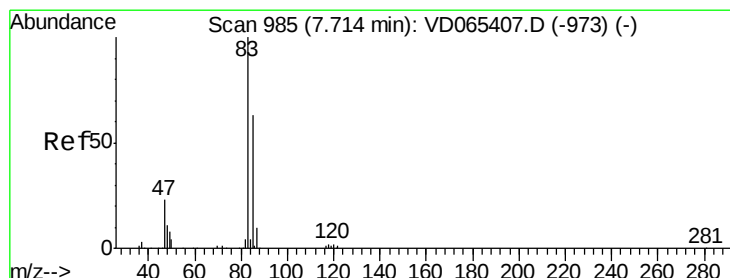
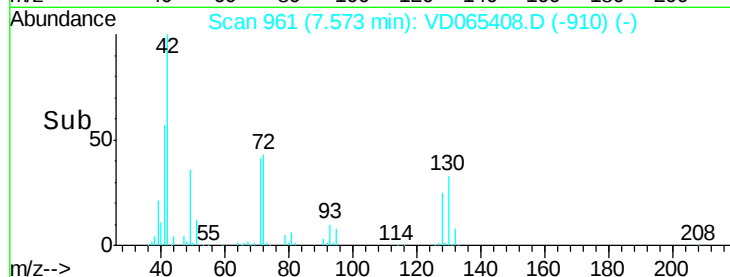
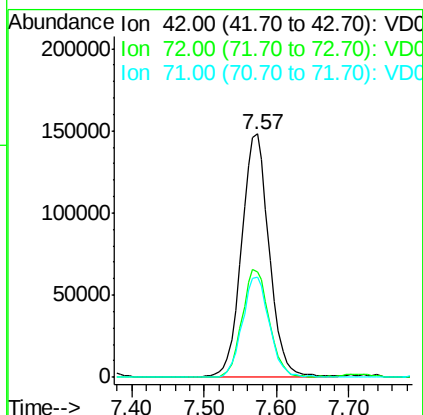
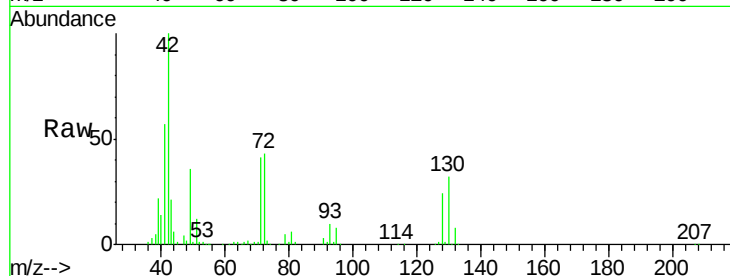




#29
Tetrahydrofuran
Concen: 499.32 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

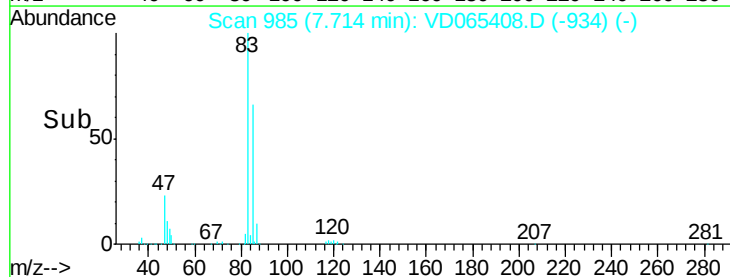
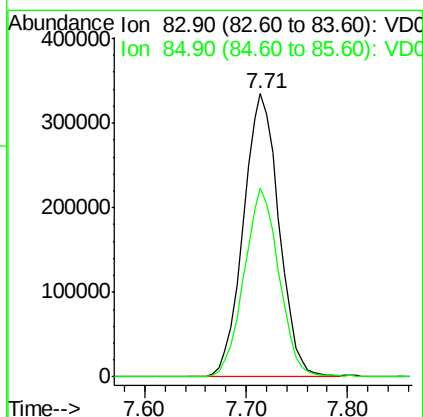
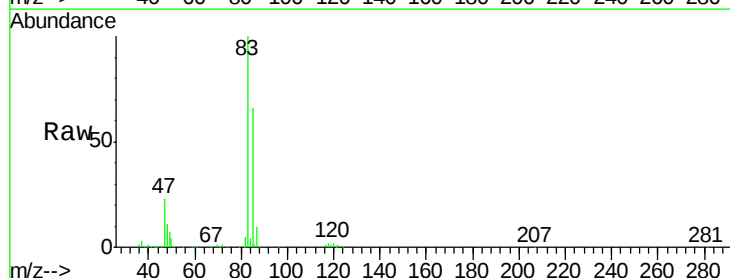
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

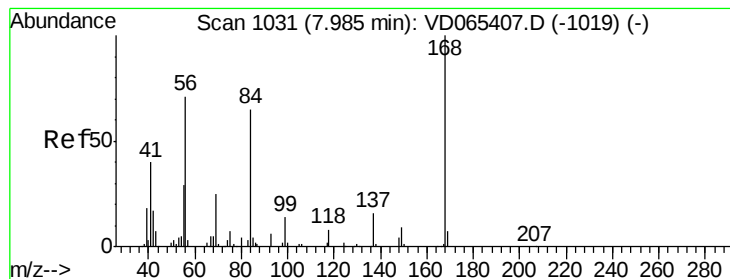
Tgt Ion: 42 Resp: 390582
Ion Ratio Lower Upper
42 100
72 43.6 33.0 49.6
71 40.7 32.0 48.0



#30
Chloroform
Concen: 93.41 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Tgt Ion: 83 Resp: 813951
Ion Ratio Lower Upper
83 100
85 66.5 50.3 75.5





#31

Cyclohexane

Concen: 94.23 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

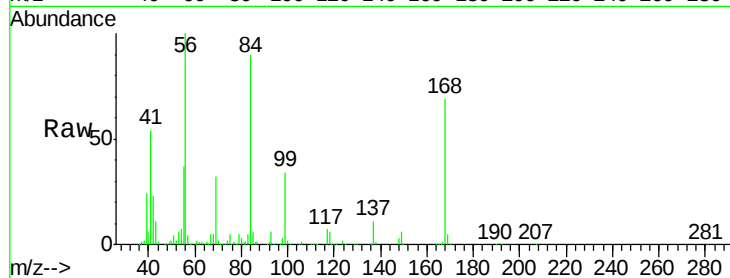
Tgt Ion: 56 Resp: 812425

Ion Ratio Lower Upper

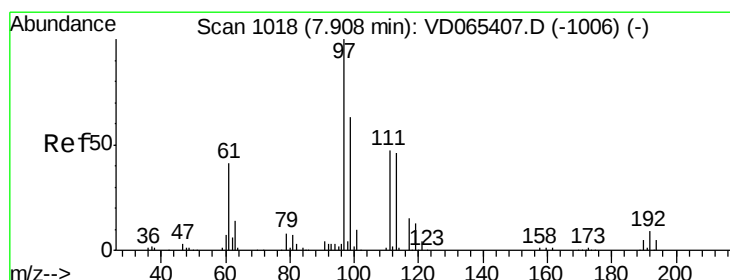
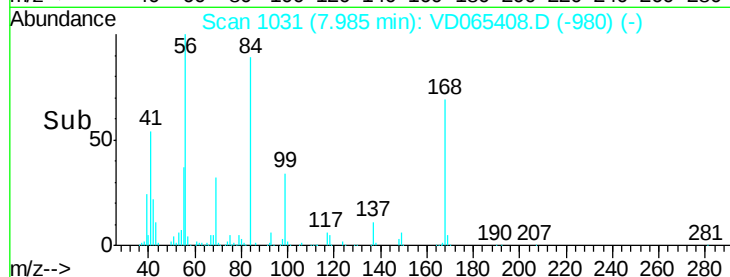
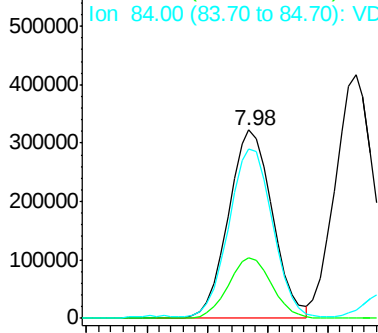
56 100

69 32.2 28.3 42.5

84 88.8 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 94.06 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

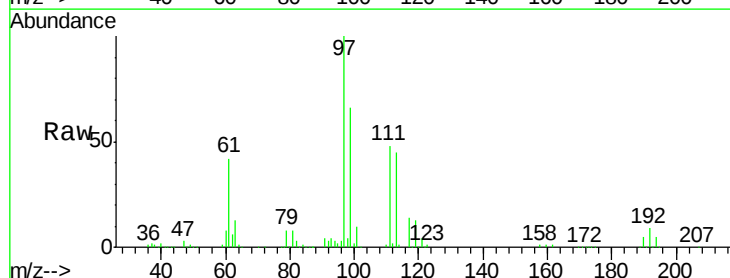
Tgt Ion: 97 Resp: 752183

Ion Ratio Lower Upper

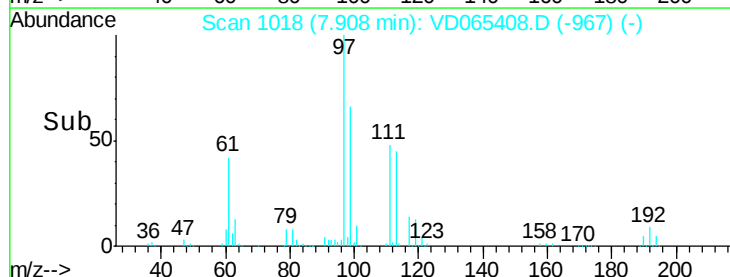
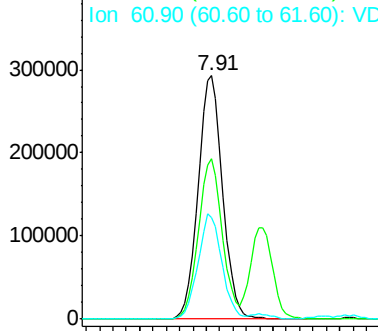
97 100

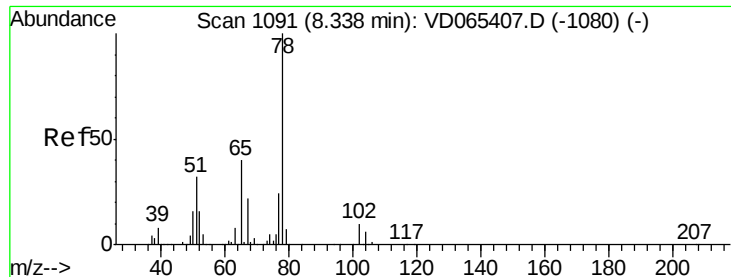
99 64.6 50.9 76.3

61 42.1 33.2 49.8



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





#33

1,2-Dichloroethane-d4

Concen: 93.88 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

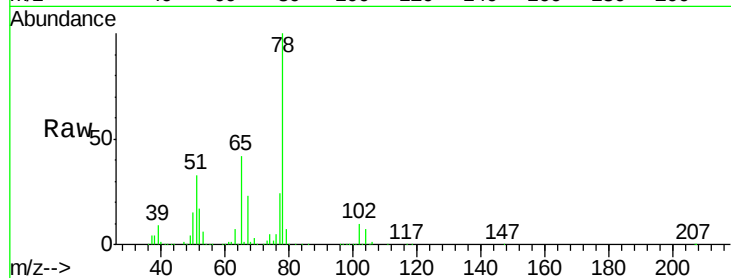
VSTDIC100

Tgt Ion: 65 Resp: 409663

Ion Ratio Lower Upper

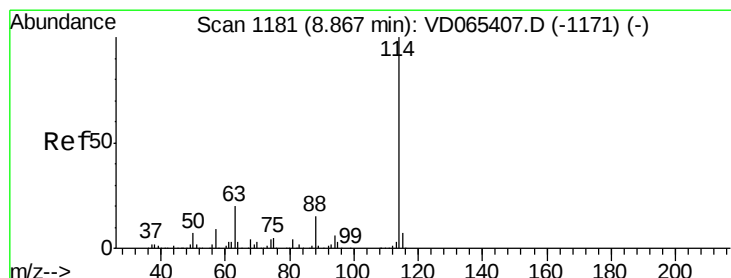
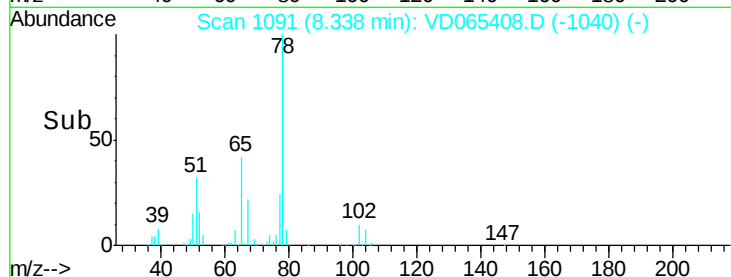
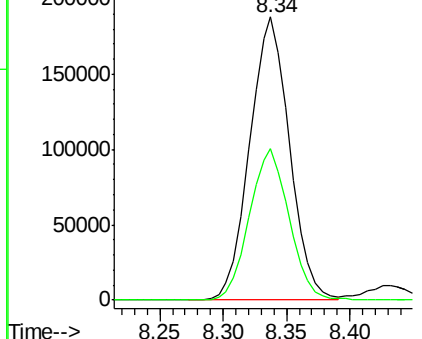
65 100

67 53.6 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

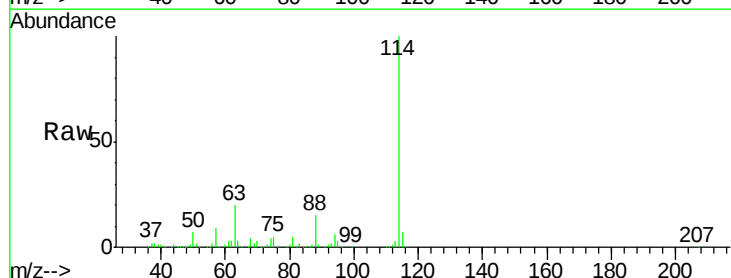
Tgt Ion: 114 Resp: 734348

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

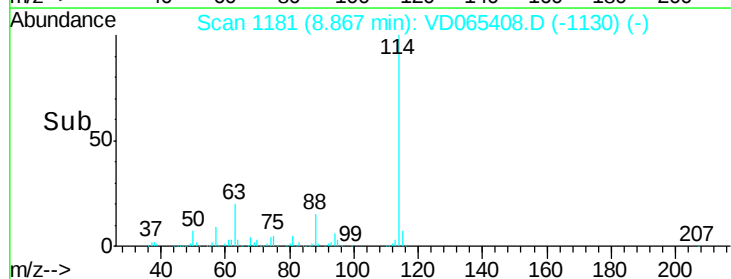
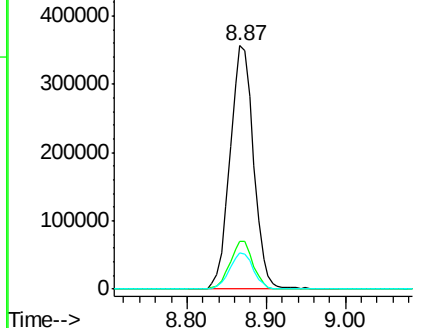
88 14.7 0.0 30.4

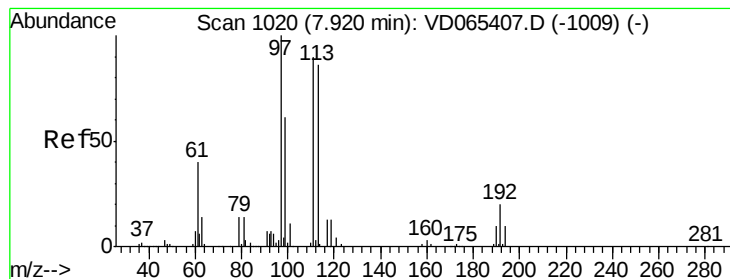


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 94.65 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

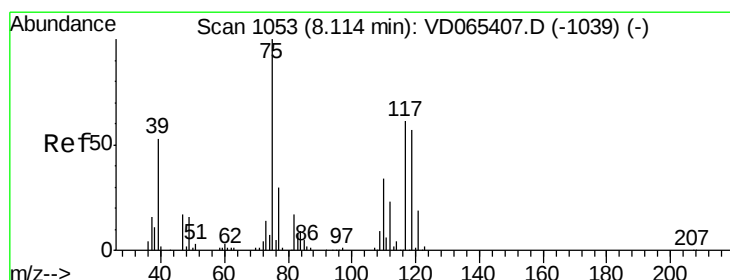
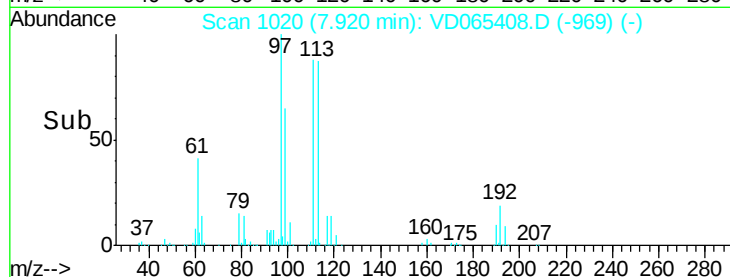
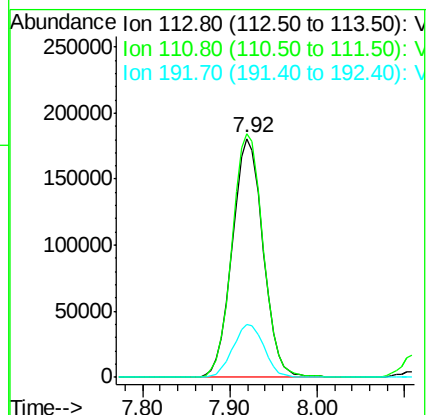
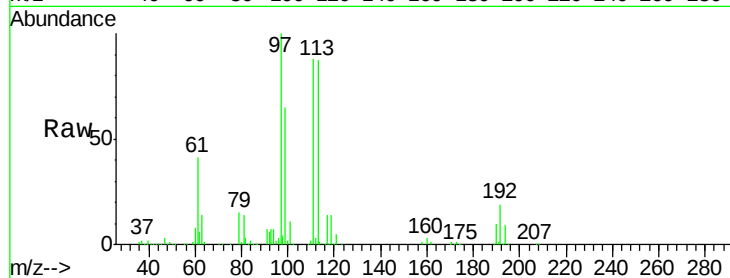
Tgt Ion: 113 Resp: 430983

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 22.5 17.2 25.8



#36

1,1-Dichloropropene

Concen: 95.87 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

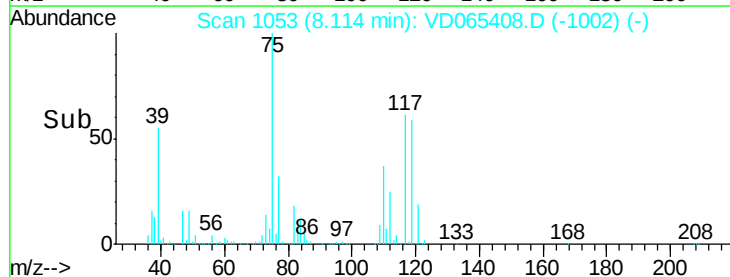
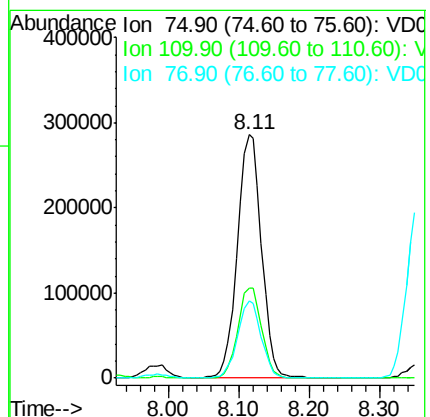
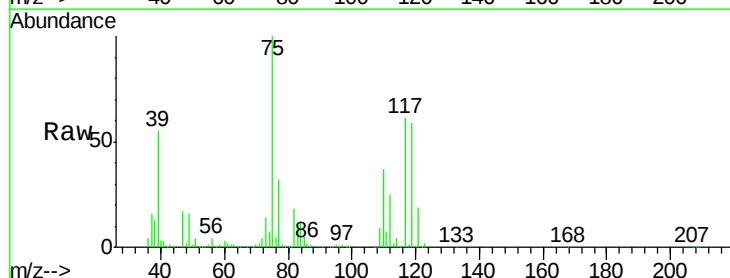
Tgt Ion: 75 Resp: 677051

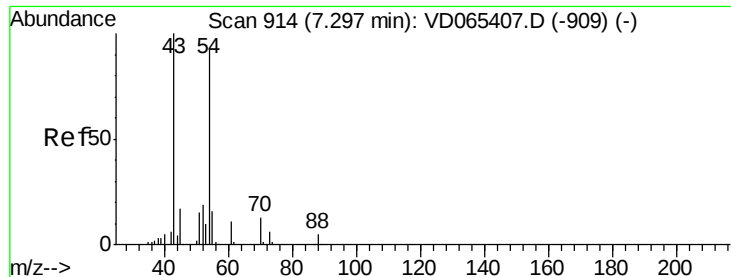
Ion Ratio Lower Upper

75 100

110 36.9 18.1 54.1

77 31.4 25.2 37.8

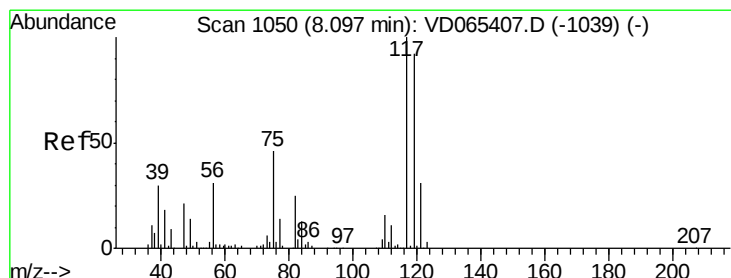
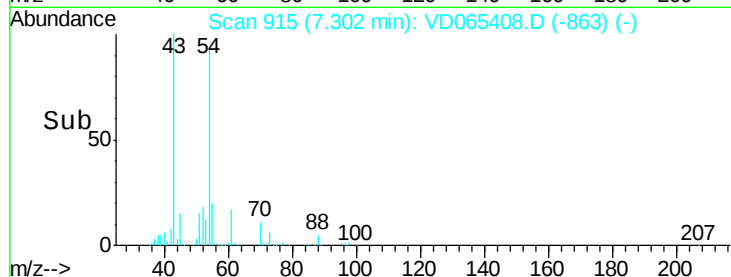
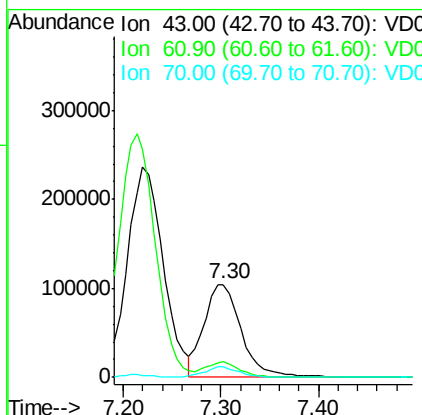
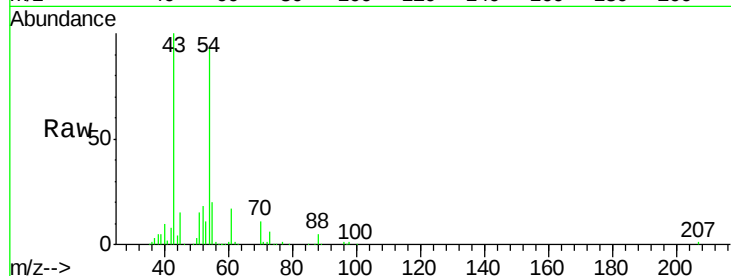




#37
 Ethyl Acetate
 Concen: 97.97 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

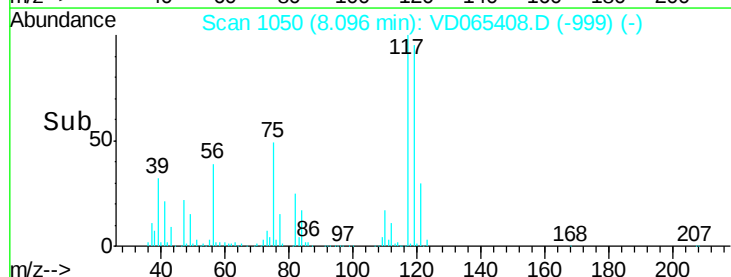
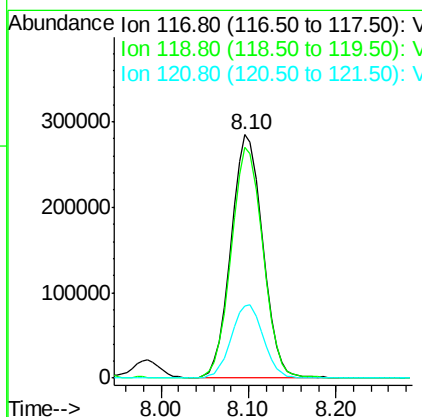
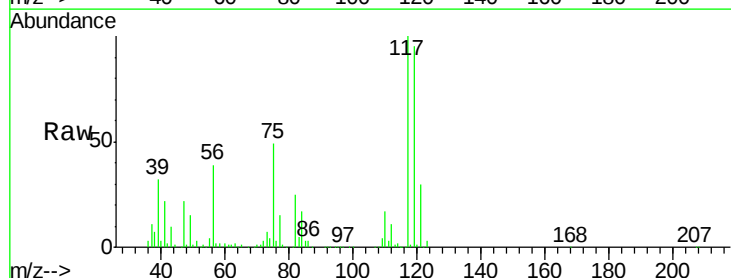
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

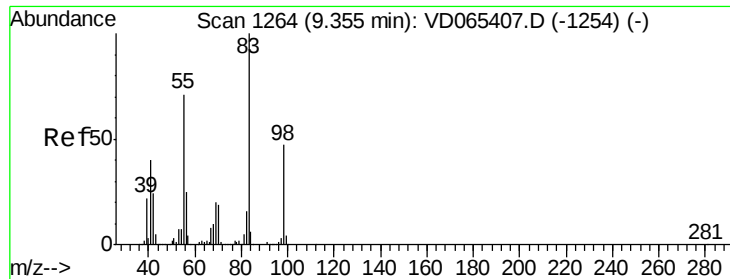
Tgt Ion: 43 Resp: 270820
 Ion Ratio Lower Upper
 43 100
 61 15.3 11.4 17.0
 70 10.5 9.0 13.4



#38
 Carbon Tetrachloride
 Concen: 95.80 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion: 117 Resp: 698381
 Ion Ratio Lower Upper
 117 100
 119 95.0 73.3 109.9
 121 29.9 25.0 37.4

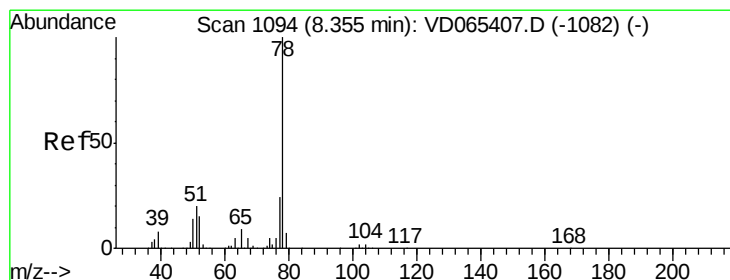
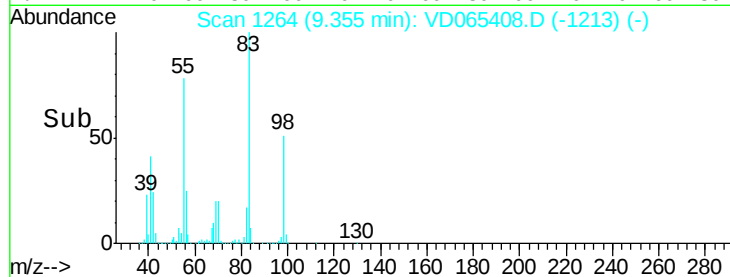
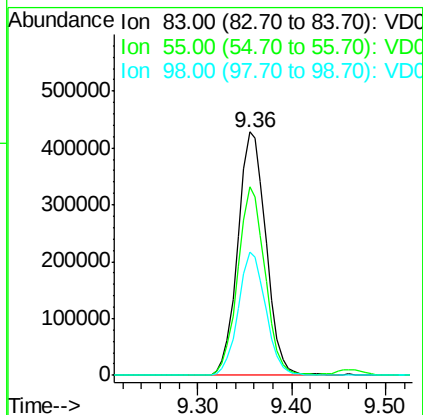
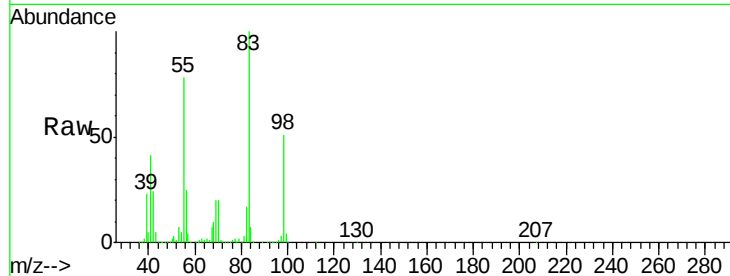




#39
Methylcyclohexane
Concen: 105.14 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

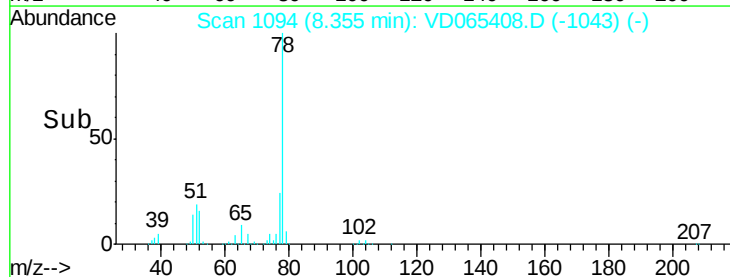
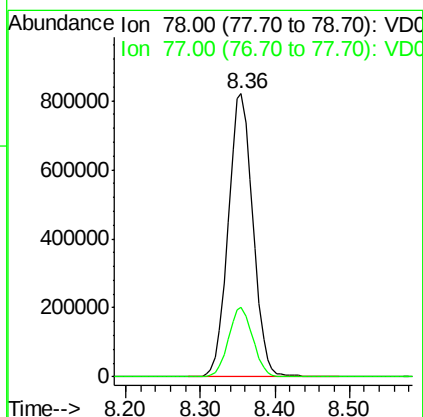
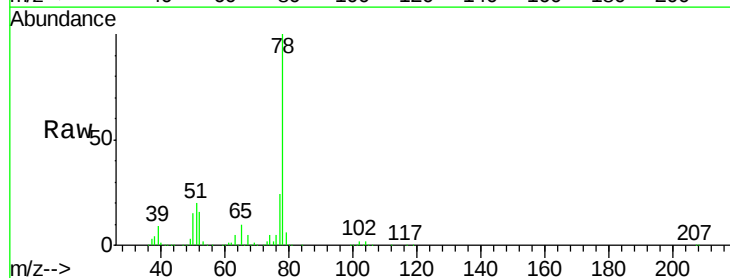
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

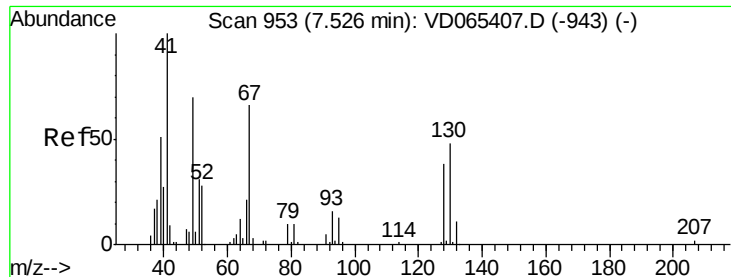
Tgt Ion: 83 Resp: 887194
Ion Ratio Lower Upper
83 100
55 77.6 57.1 85.7
98 50.7 37.8 56.8



#40
Benzene
Concen: 95.53 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Tgt Ion: 78 Resp: 1891143
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0





#41

Methacrylonitrile

Concen: 111.00 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 155918

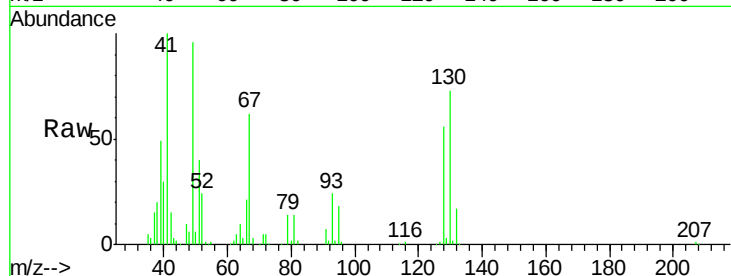
Ion Ratio Lower Upper

41 100

39 58.7 55.0 82.6

67 75.2 70.3 105.5

52 29.8 30.7 46.1#

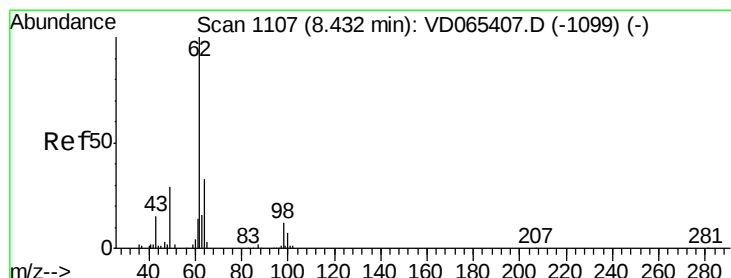
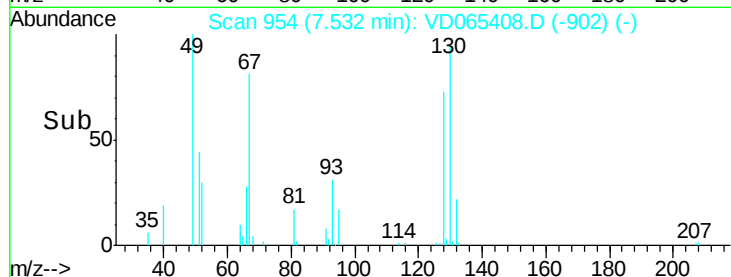
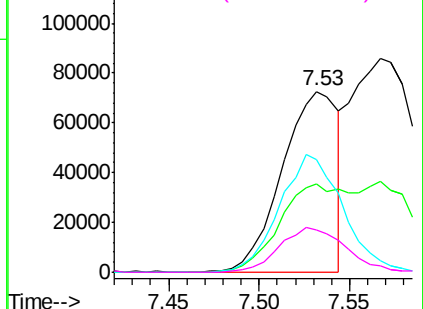


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 95.89 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065408.D

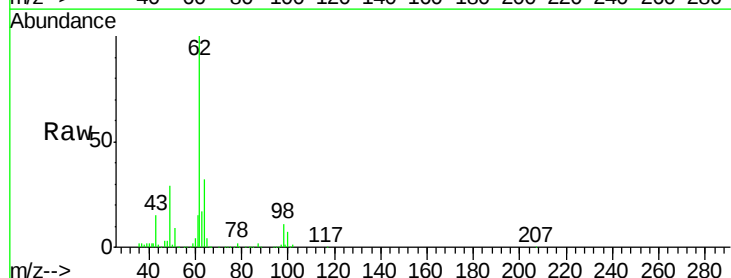
Acq: 04 Mar 2020 12:28

Tgt Ion: 62 Resp: 499551

Ion Ratio Lower Upper

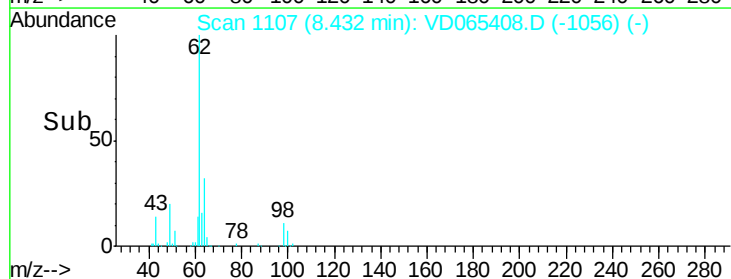
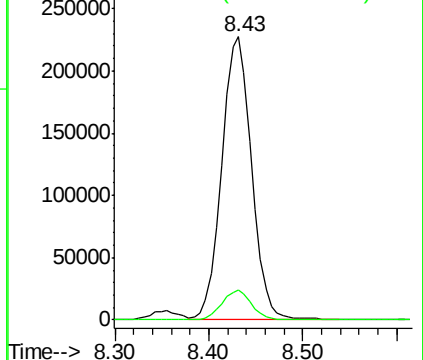
62 100

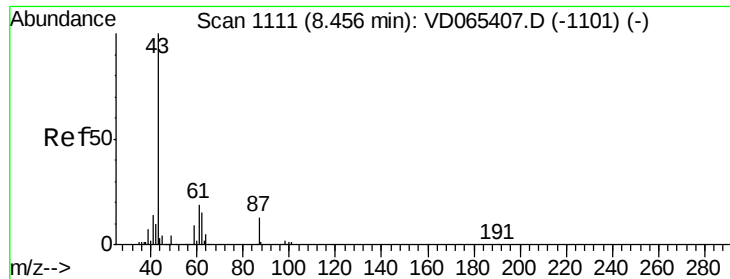
98 10.5 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 100.27 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

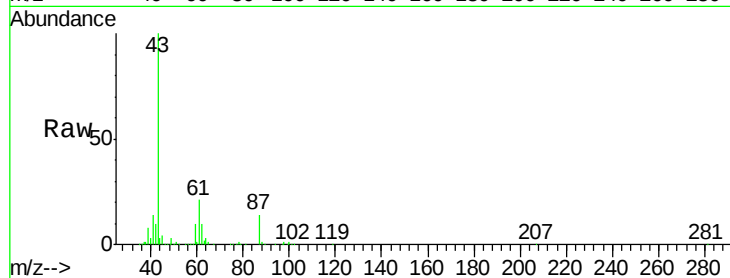
Tgt Ion: 43 Resp: 507229

Ion Ratio Lower Upper

43 100

61 31.2 25.0 37.6

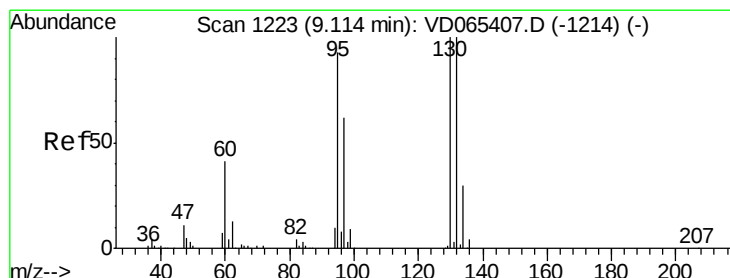
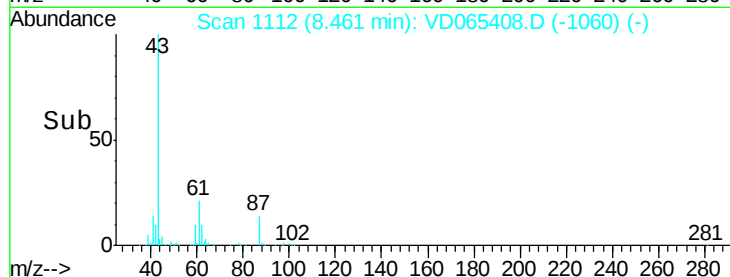
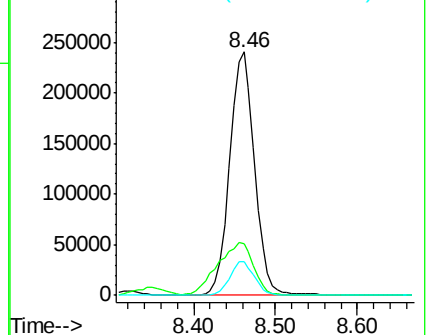
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 96.91 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065408.D

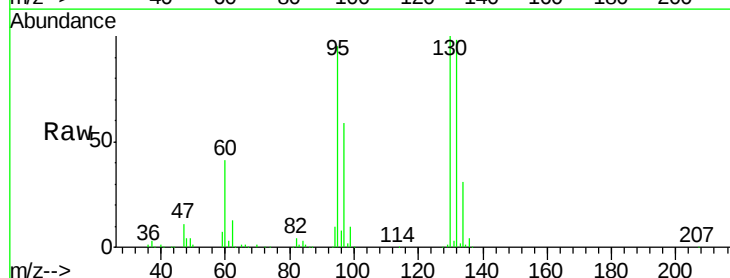
Acq: 04 Mar 2020 12:28

Tgt Ion: 130 Resp: 538577

Ion Ratio Lower Upper

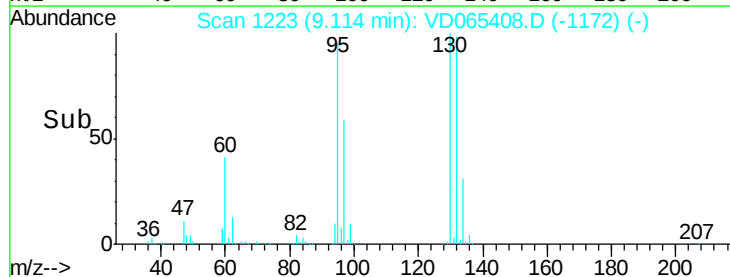
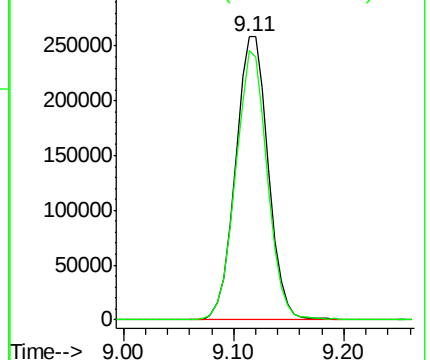
130 100

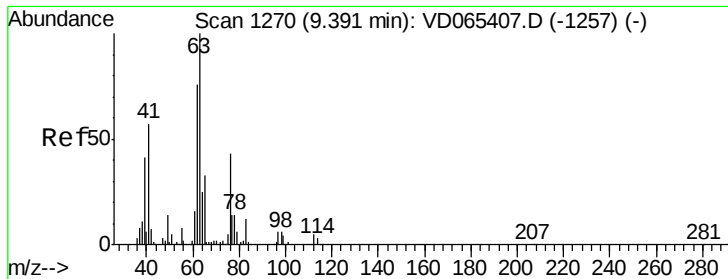
95 95.0 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

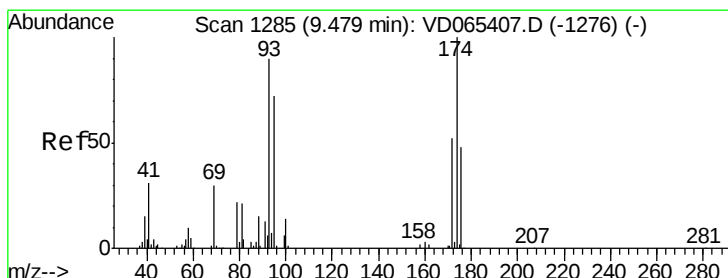
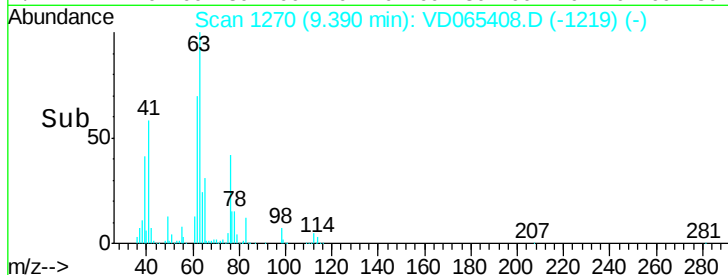
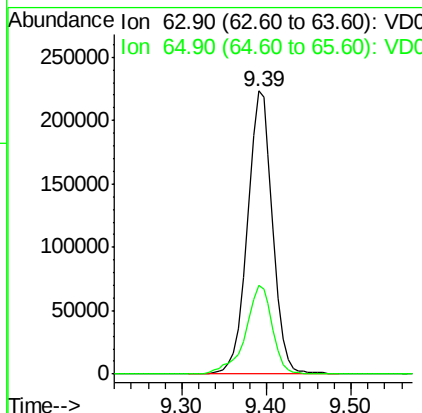
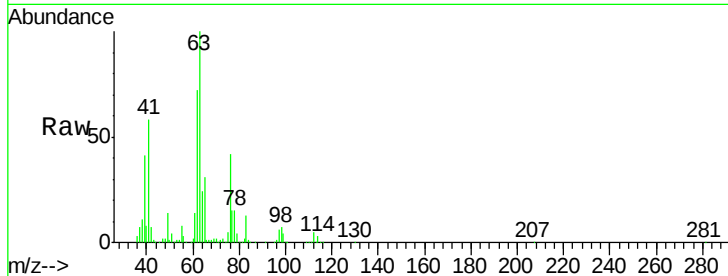




#45
 1,2-Dichloropropane
 Concen: 96.22 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

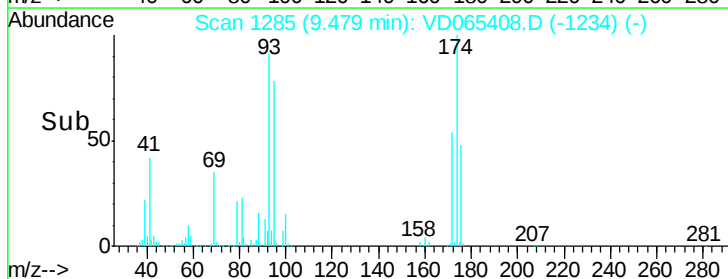
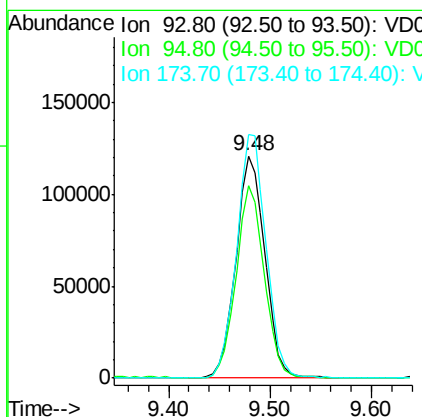
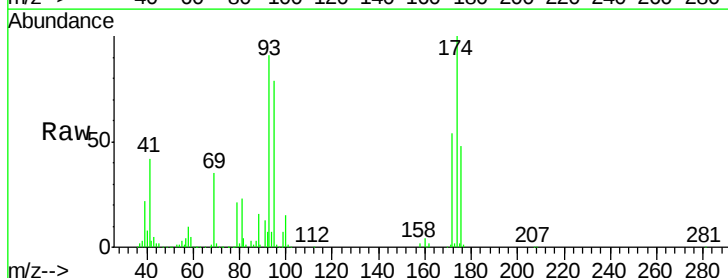
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 462653
 Ion Ratio Lower Upper
 63 100
 65 31.5 26.4 39.6



#46
 Dibromomethane
 Concen: 96.07 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion: 93 Resp: 240166
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.0 97.6
 174 110.8 88.3 132.5





#47

Bromodichloromethane

Concen: 95.29 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

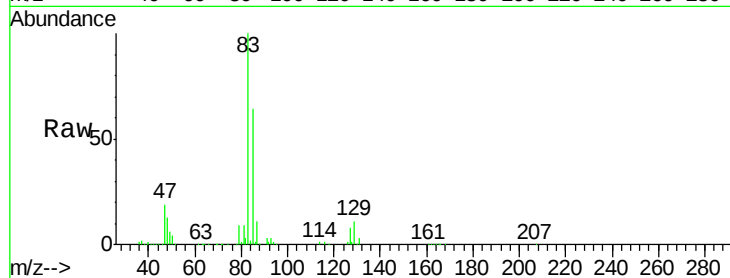
Tgt Ion: 83 Resp: 618477

Ion Ratio Lower Upper

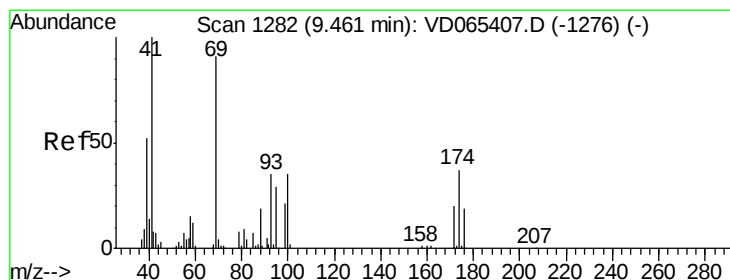
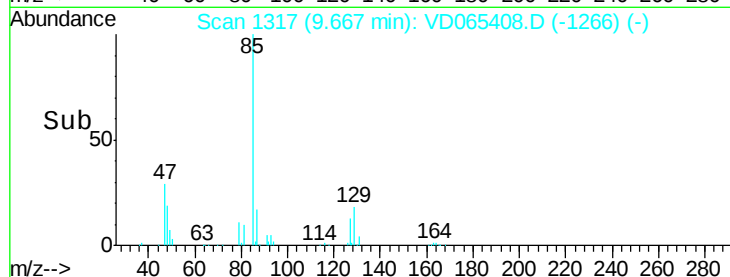
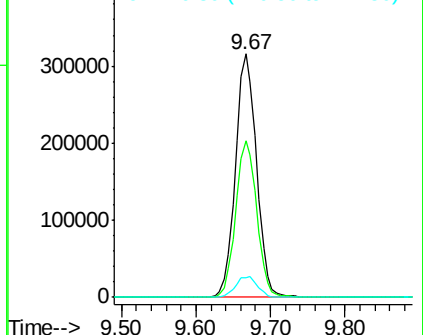
83 100

85 64.4 52.8 79.2

127 8.3 8.0 12.0



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



#48

Methyl methacrylate

Concen: 103.66 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

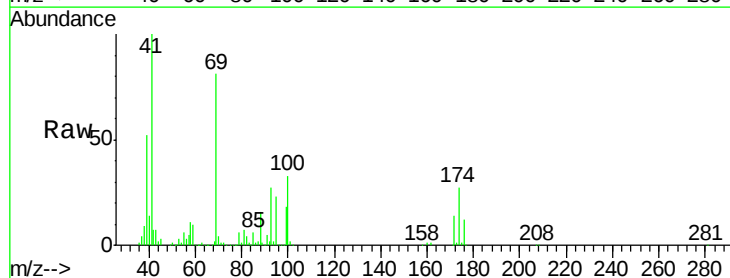
Tgt Ion: 41 Resp: 248048

Ion Ratio Lower Upper

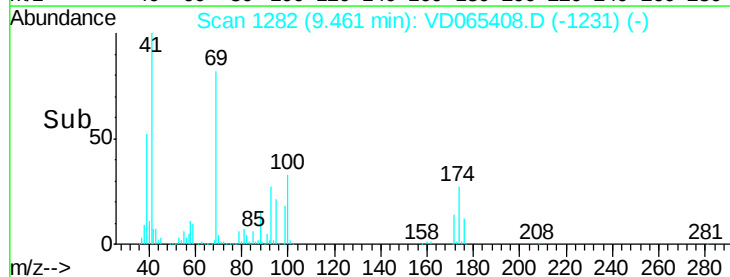
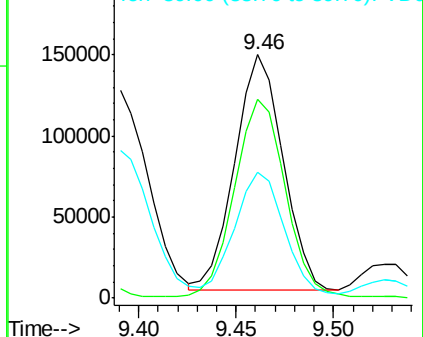
41 100

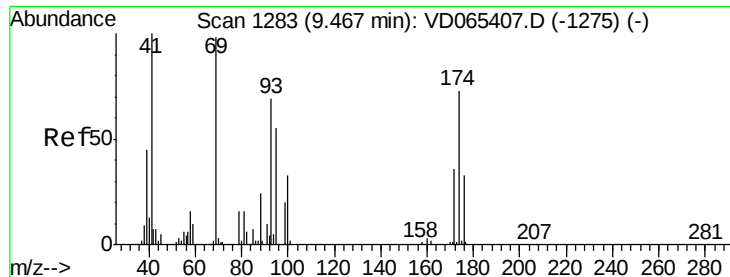
69 89.6 72.5 108.7

39 52.0 41.6 62.4



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





#49

1,4-Dioxane

Concen: 2021.43 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

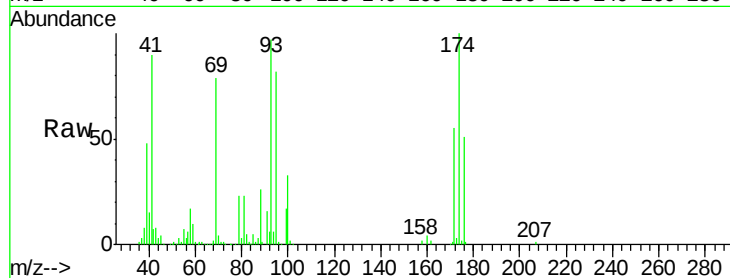
Tgt Ion: 88 Resp: 58169

Ion Ratio Lower Upper

88 100

43 34.2 24.5 36.7

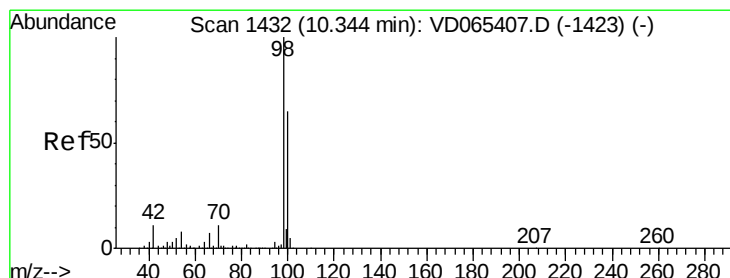
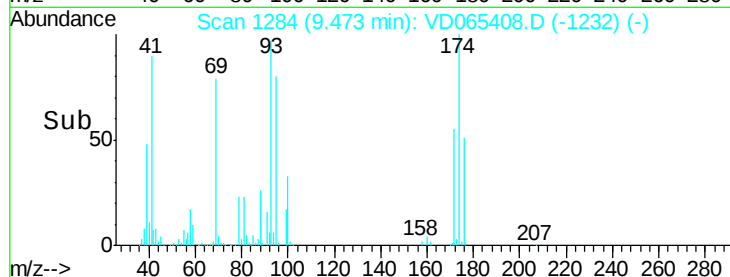
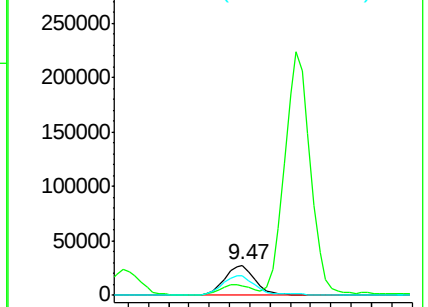
58 72.0 54.5 81.7



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 98.30 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065408.D

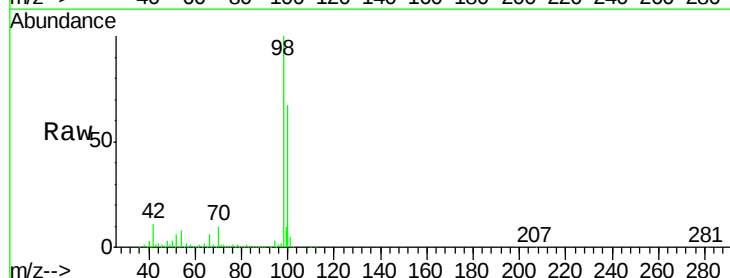
Acq: 04 Mar 2020 12:28

Tgt Ion: 98 Resp: 1718662

Ion Ratio Lower Upper

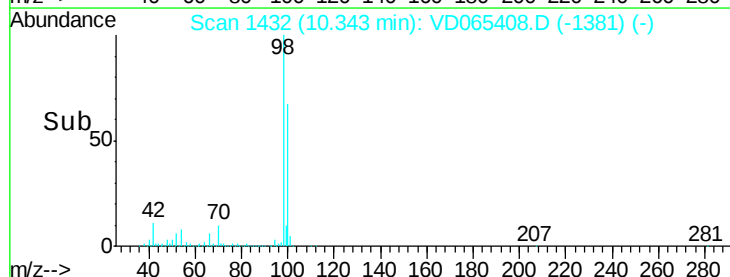
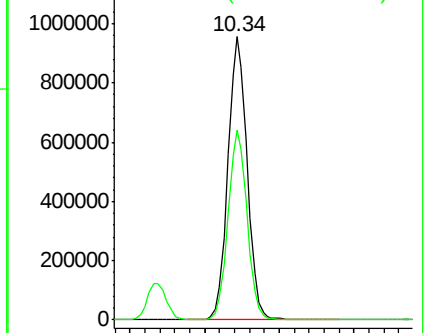
98 100

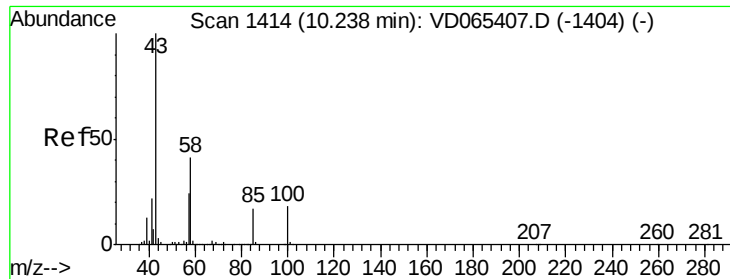
100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

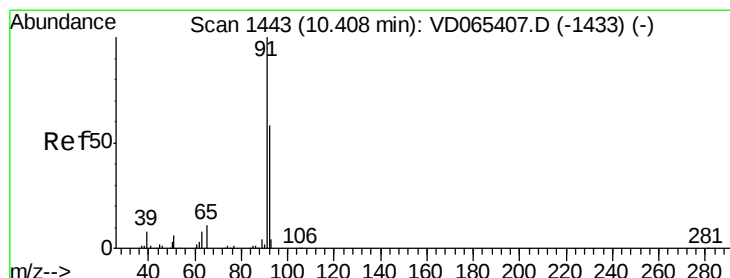
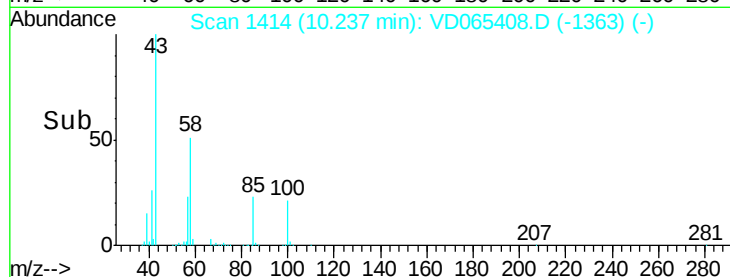
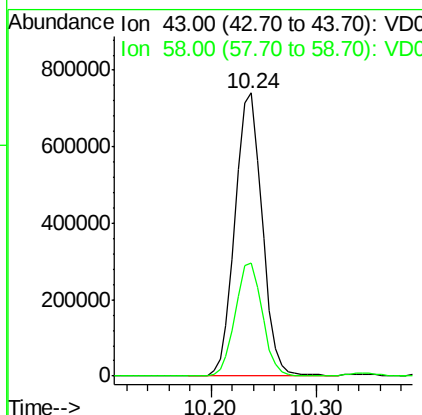
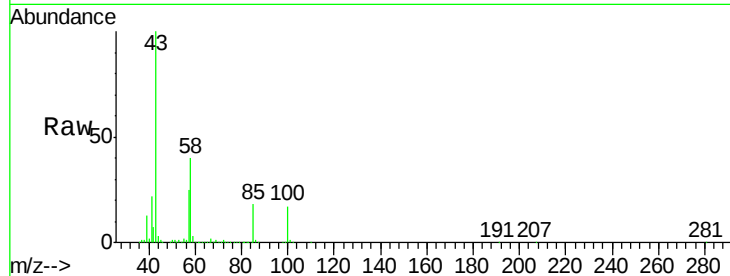




#51
 4-Methyl-2-Pentanone
 Concen: 515.07 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

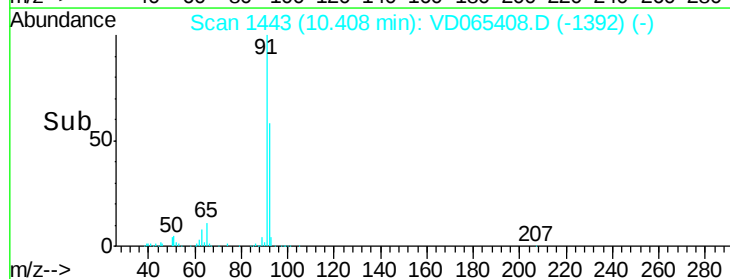
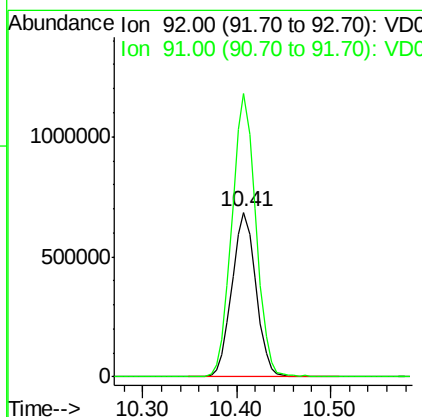
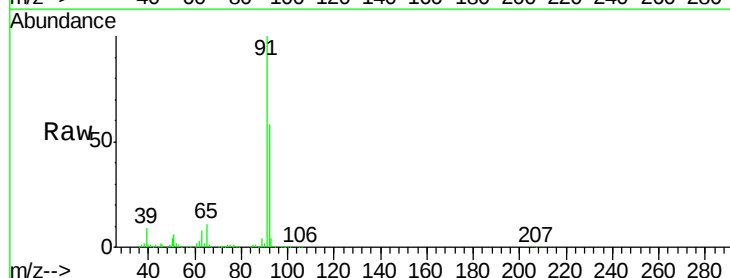
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

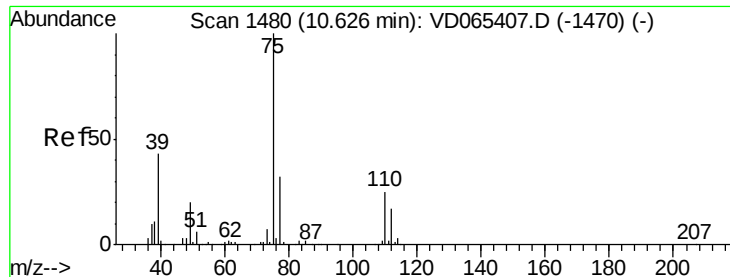
Tgt Ion: 43 Resp: 1317709
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.8 47.6



#52
 Toluene
 Concen: 97.64 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion: 92 Resp: 1219156
 Ion Ratio Lower Upper
 92 100
 91 171.6 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 101.27 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

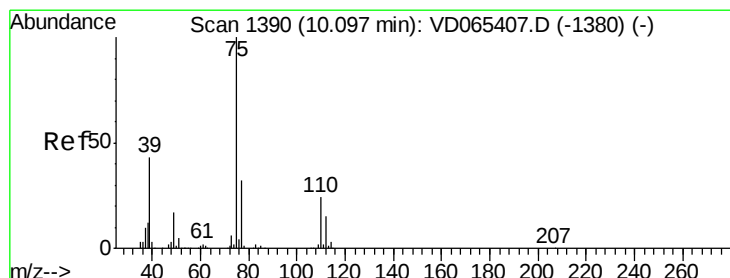
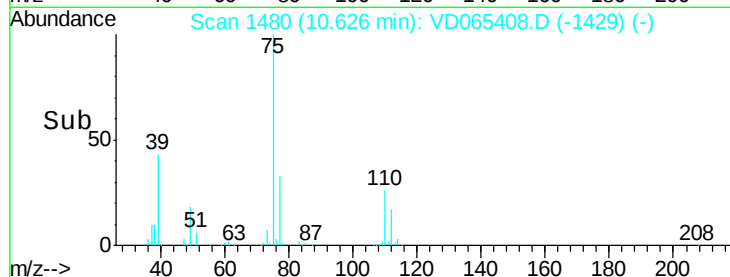
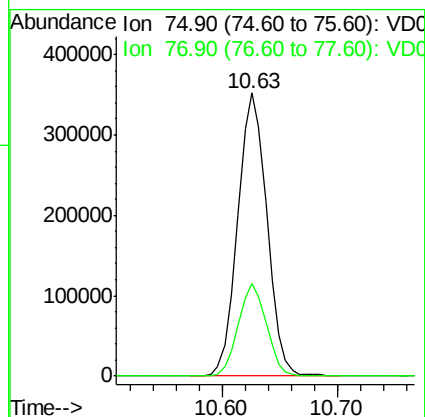
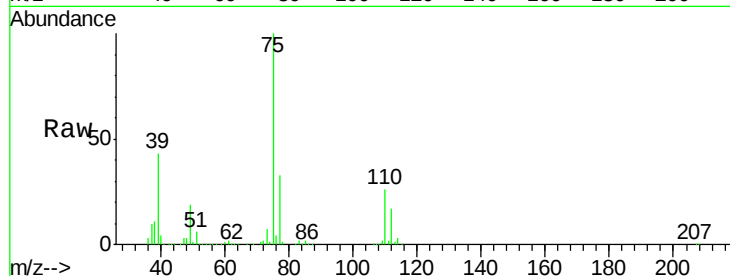
VSTDIC100

Tgt Ion: 75 Resp: 618403

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 100.39 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

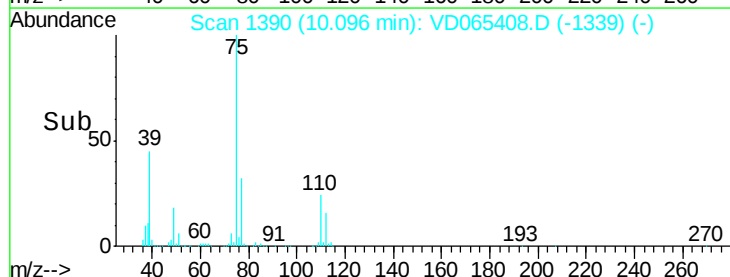
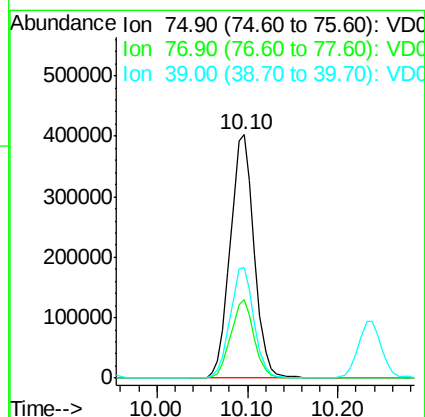
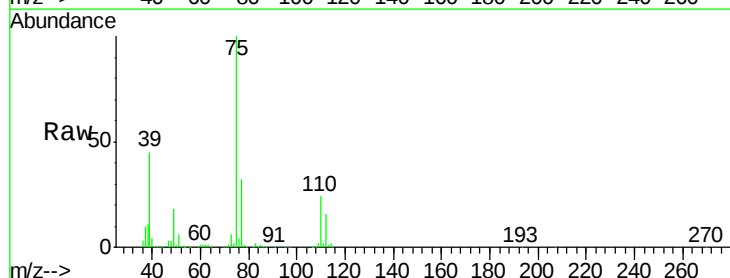
Tgt Ion: 75 Resp: 740387

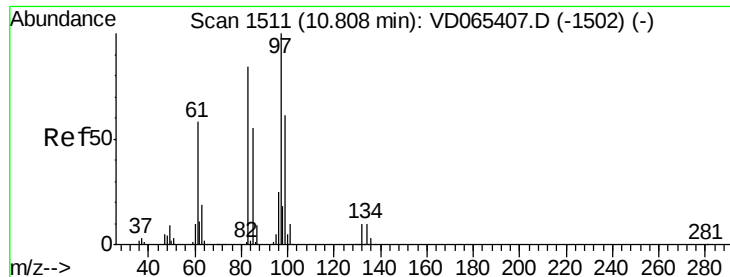
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 45.3 34.6 52.0

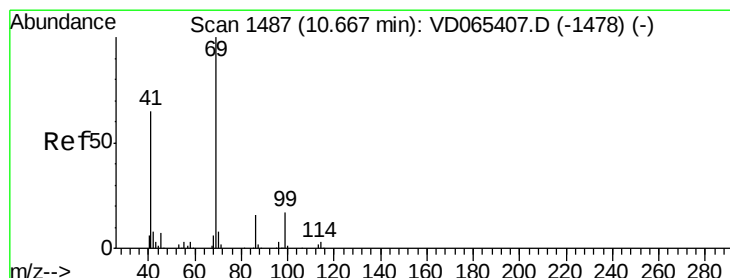
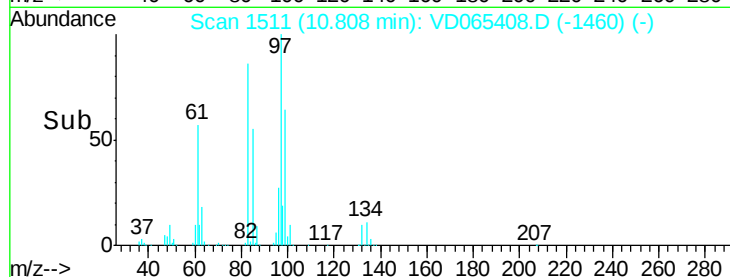
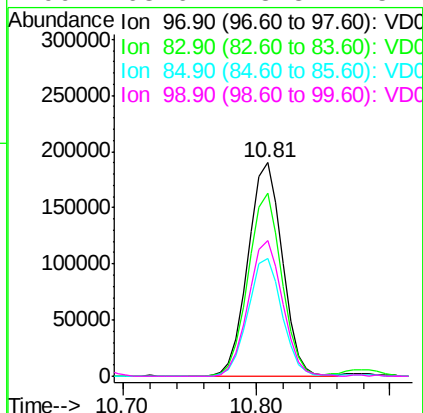
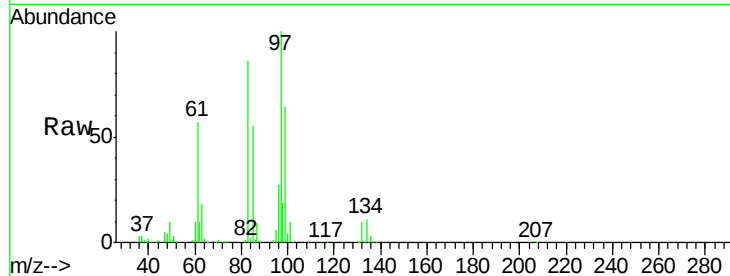




#55
 1,1,2-Trichloroethane
 Concen: 95.30 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

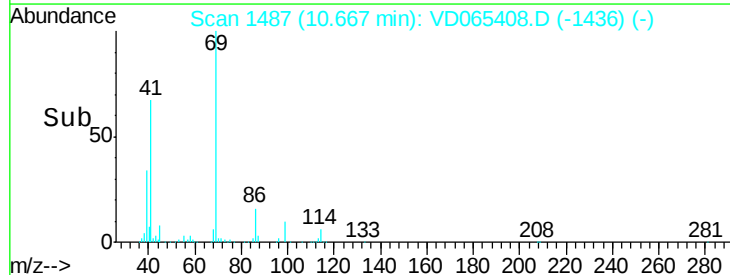
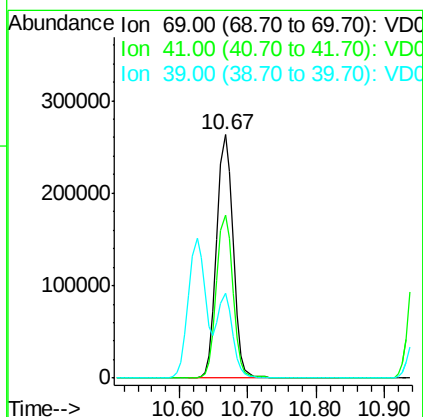
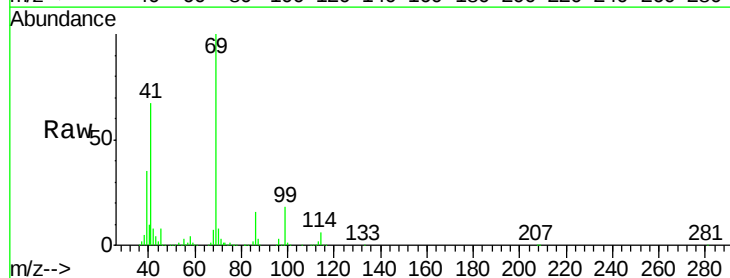
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 97 Resp: 336932
 Ion Ratio Lower Upper
 97 100
 83 85.7 67.4 101.0
 85 55.1 43.8 65.8
 99 63.6 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 109.15 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion: 69 Resp: 437539
 Ion Ratio Lower Upper
 69 100
 41 68.0 53.0 79.6
 39 31.0 26.0 39.0





#57

1,3-Dichloropropane

Concen: 96.90 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

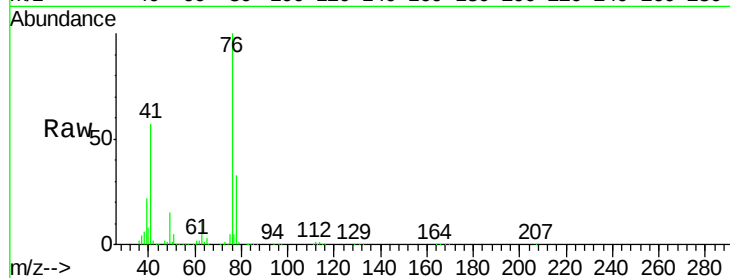
VSTDIC100

Tgt Ion: 76 Resp: 581433

Ion Ratio Lower Upper

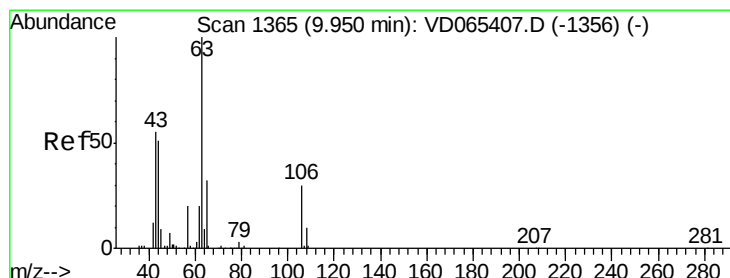
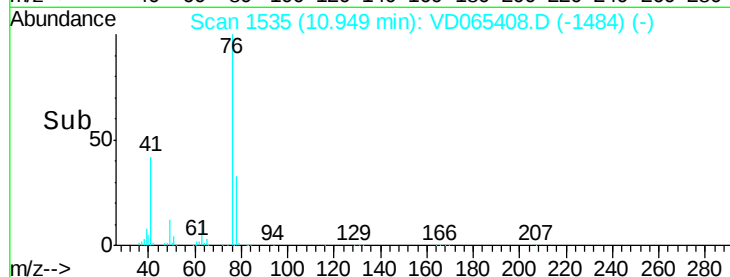
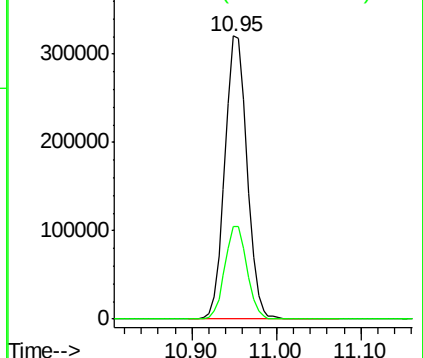
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 423.50 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065408.D

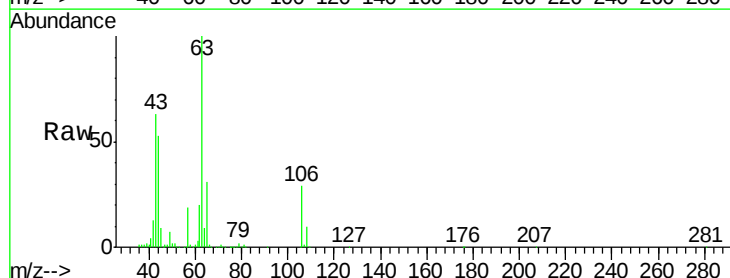
Acq: 04 Mar 2020 12:28

Tgt Ion: 63 Resp: 603489

Ion Ratio Lower Upper

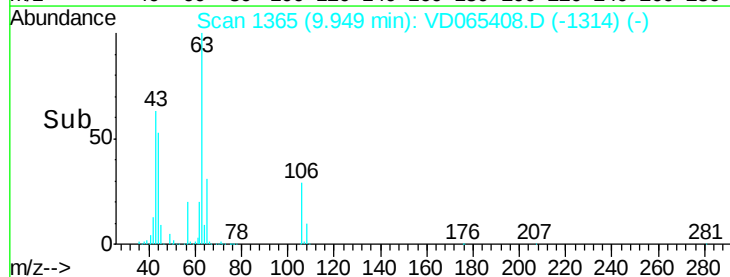
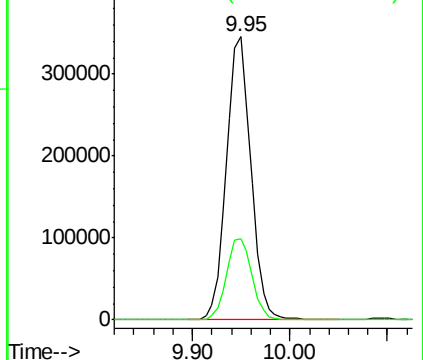
63 100

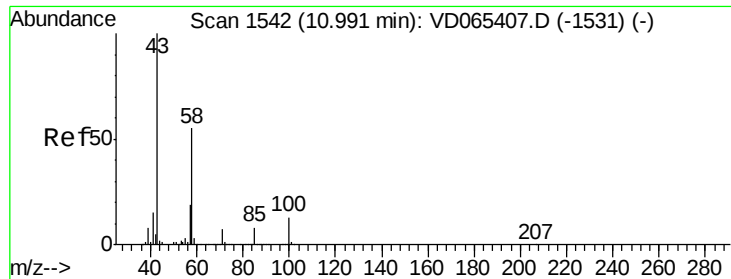
106 29.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

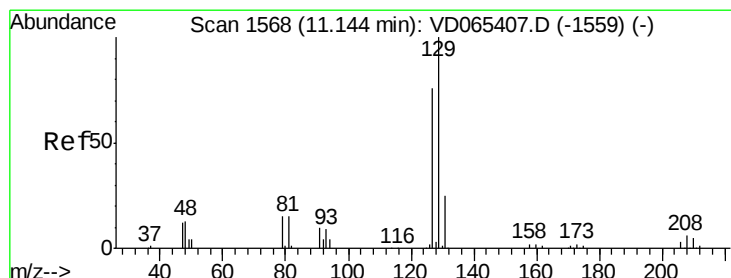
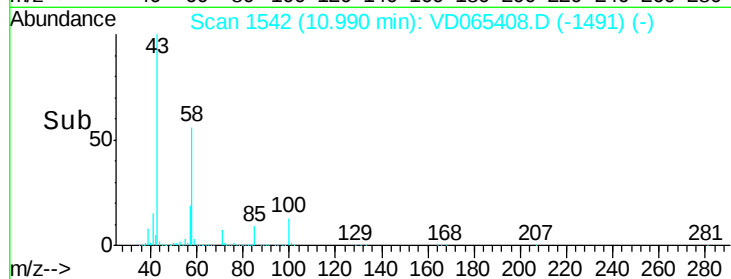
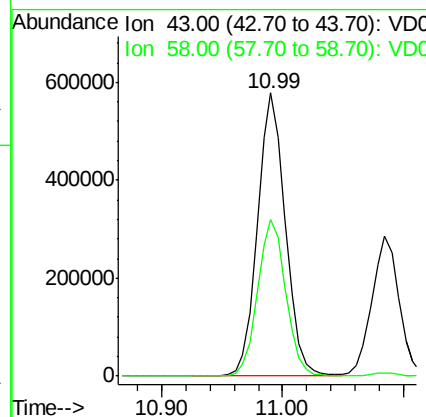
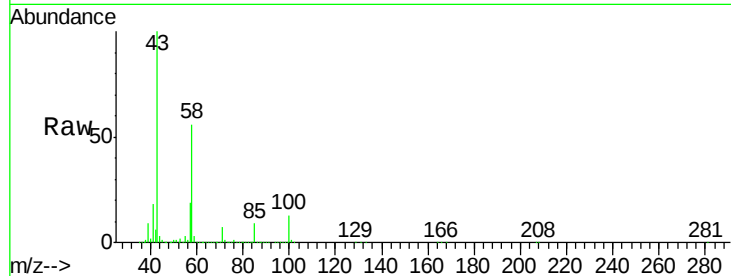




#59
2-Hexanone
Concen: 523.75 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

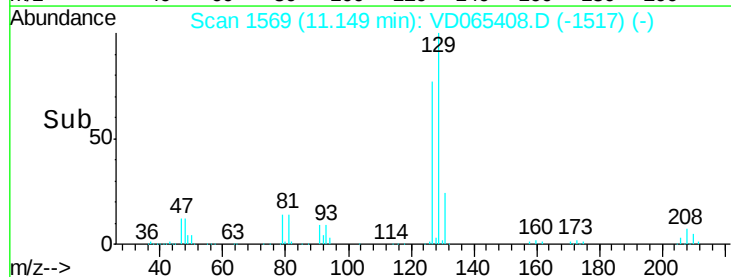
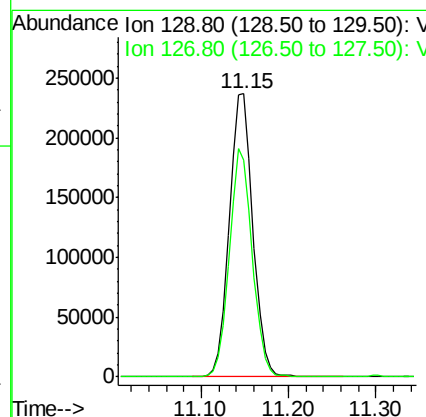
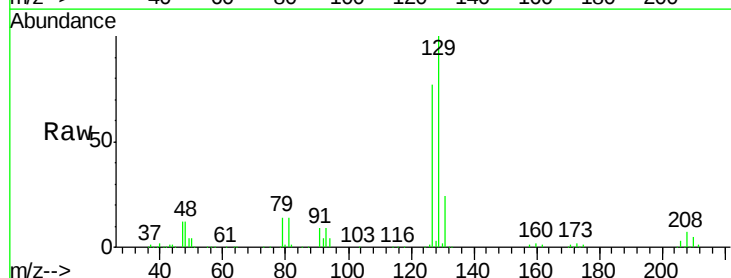
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

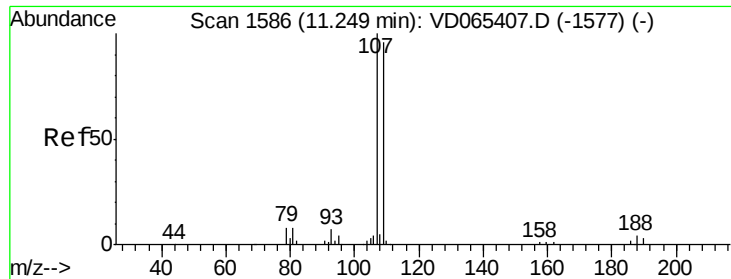
Tgt Ion: 43 Resp: 928876
Ion Ratio Lower Upper
43 100
58 56.2 27.4 82.2



#60
Dibromochloromethane
Concen: 96.33 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Tgt Ion: 129 Resp: 438556
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

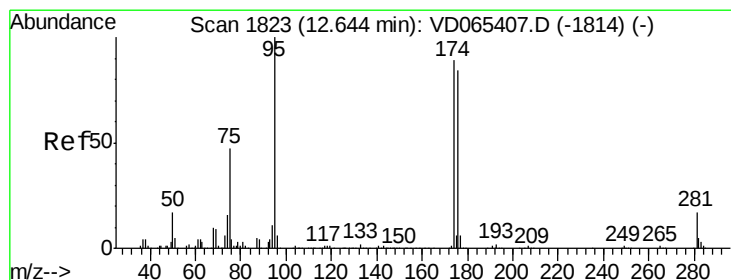
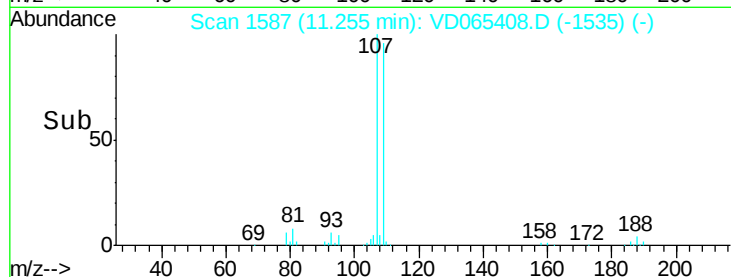
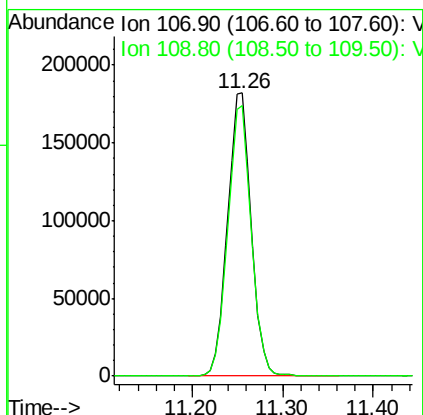
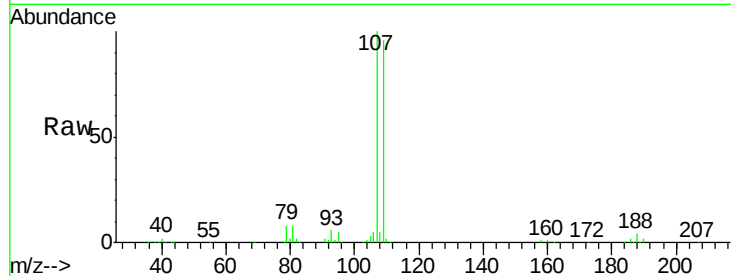




#61
 1,2-Dibromoethane
 Concen: 97.67 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

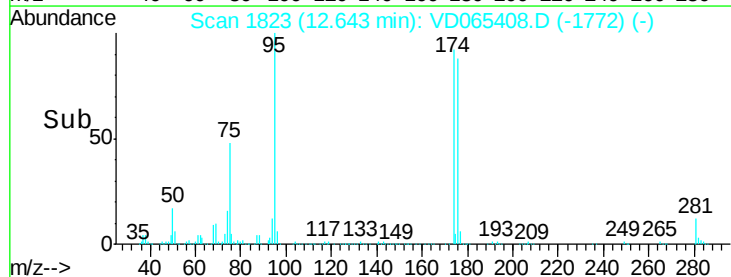
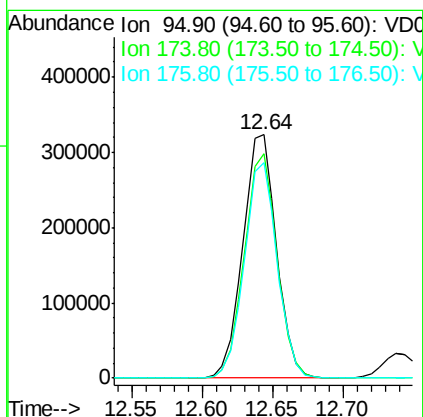
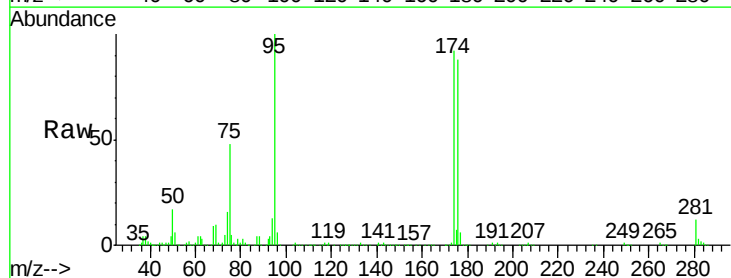
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 329801
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 98.84 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion: 95 Resp: 540058
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 176.8
 176 86.6 0.0 171.4

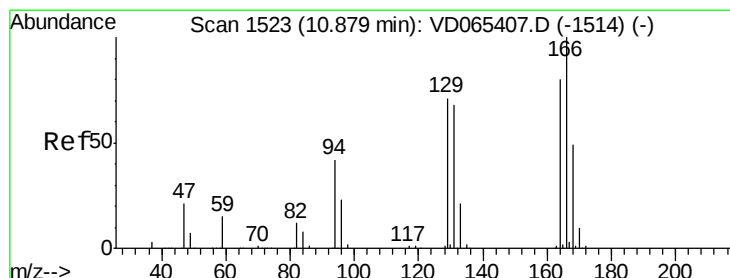
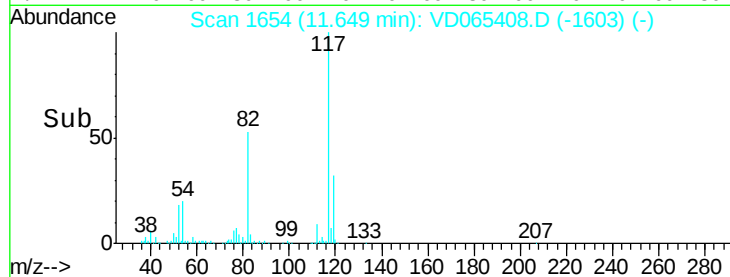
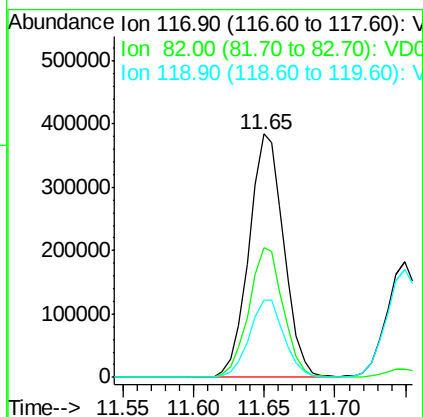
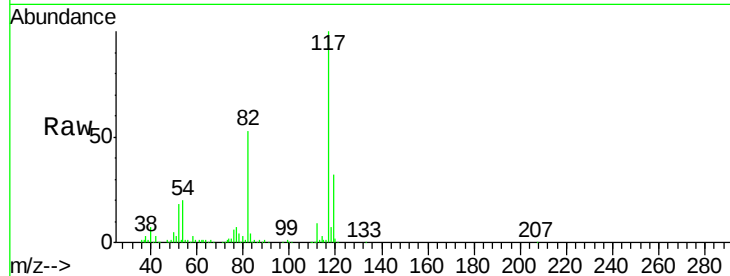




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

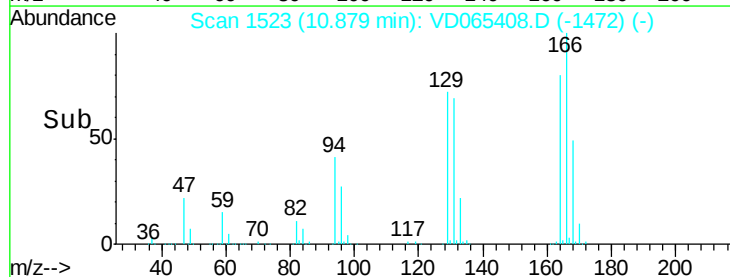
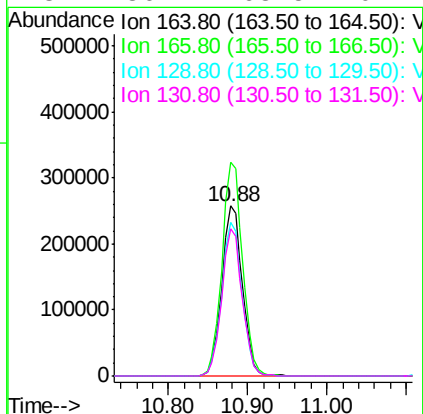
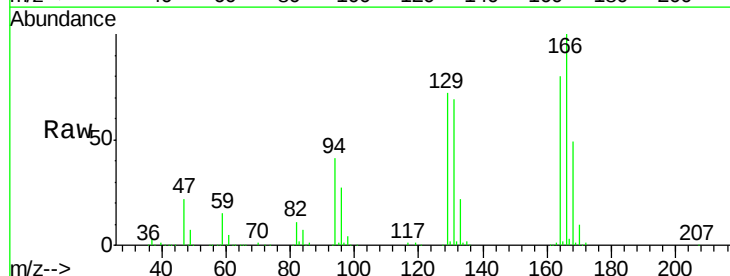
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

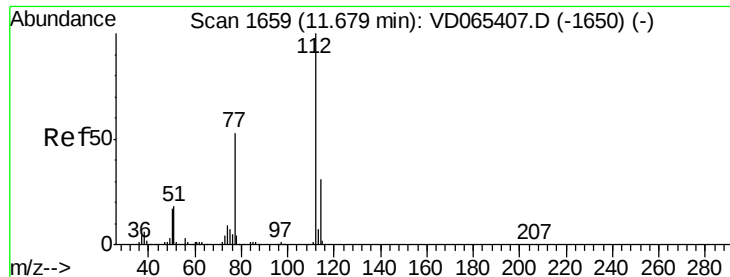
Tgt Ion:117 Resp: 665295
Ion Ratio Lower Upper
117 100
82 53.1 40.6 60.8
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 96.55 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Tgt Ion:164 Resp: 461385
Ion Ratio Lower Upper
164 100
166 125.5 100.5 150.7
129 90.5 71.5 107.3
131 86.2 68.5 102.7





#65

Chlorobenzene

Concen: 95.46 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

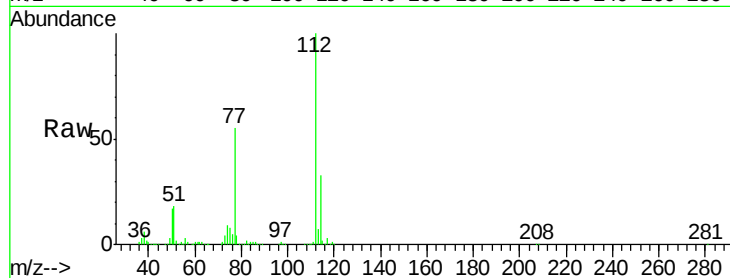
VSTDIC100

Tgt Ion:112 Resp: 1263409

Ion Ratio Lower Upper

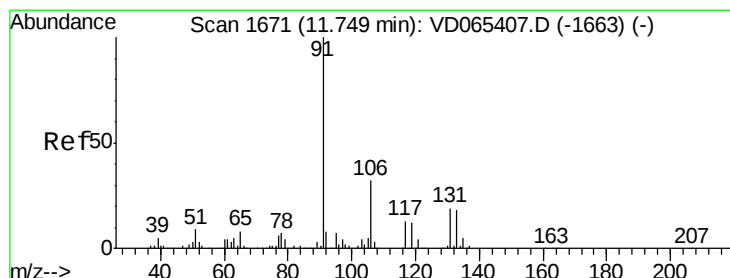
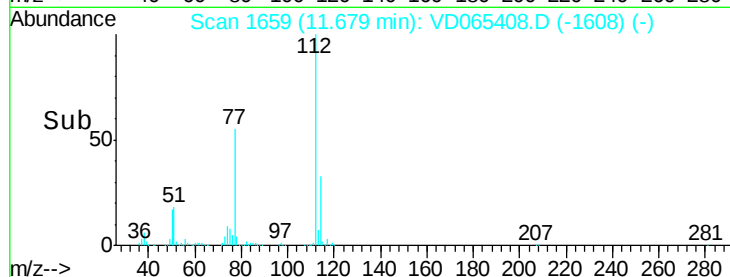
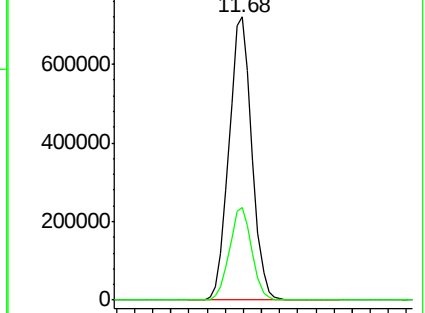
112 100

114 32.6 24.4 36.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 95.59 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

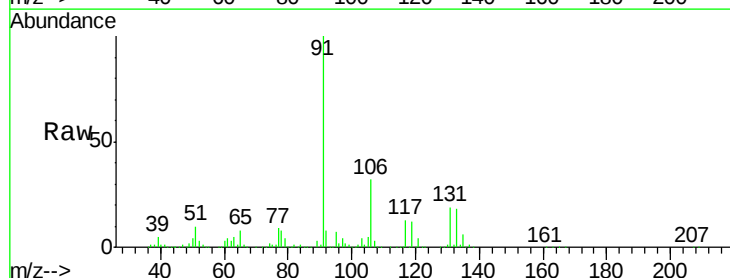
Tgt Ion:131 Resp: 461888

Ion Ratio Lower Upper

131 100

133 95.6 49.2 147.6

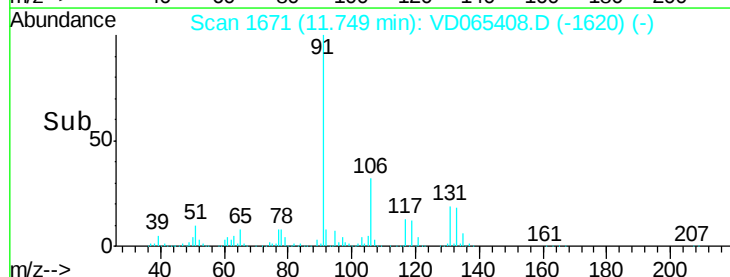
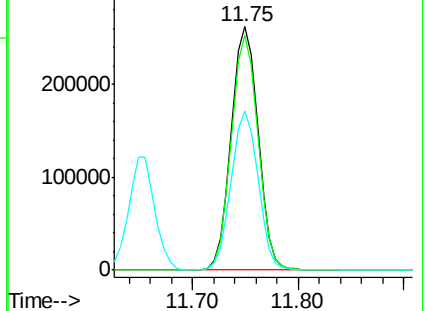
119 65.2 33.3 99.8

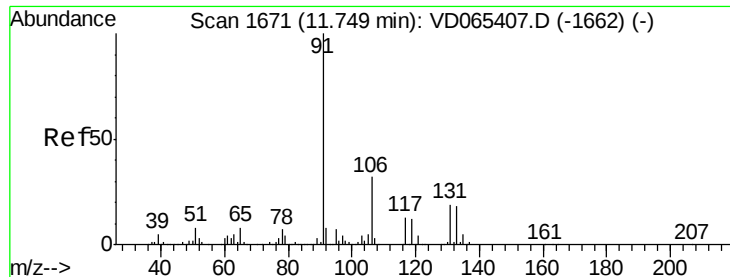


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 100.95 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

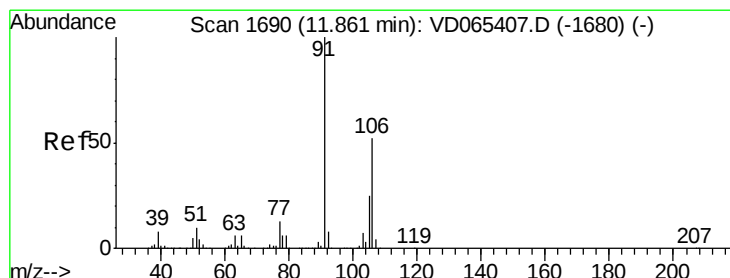
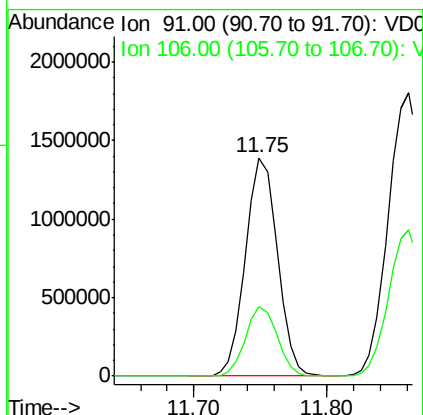
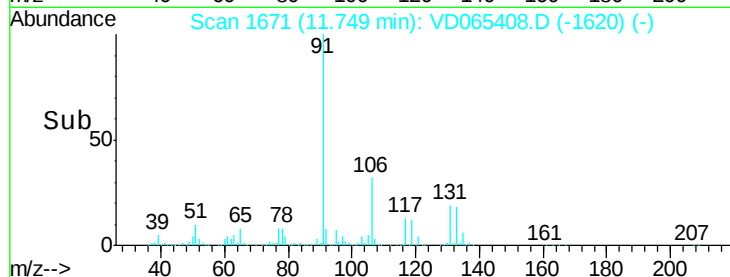
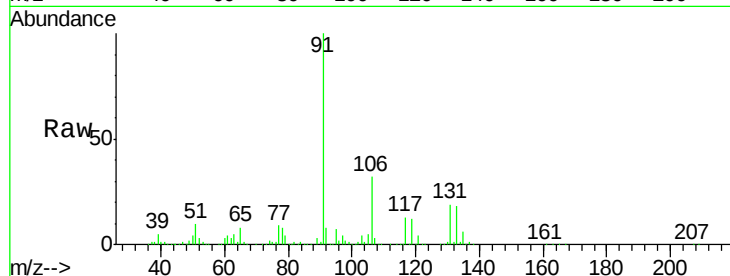
VSTDIC100

Tgt Ion: 91 Resp: 2303278

Ion Ratio Lower Upper

91 100

106 31.7 25.2 37.8



#68

m/p-Xylenes

Concen: 199.65 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065408.D

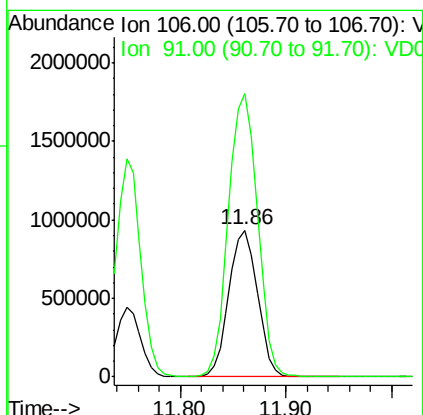
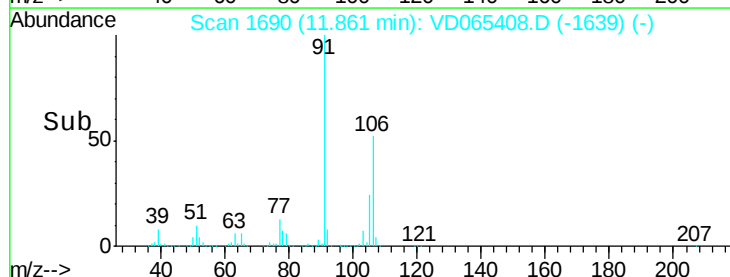
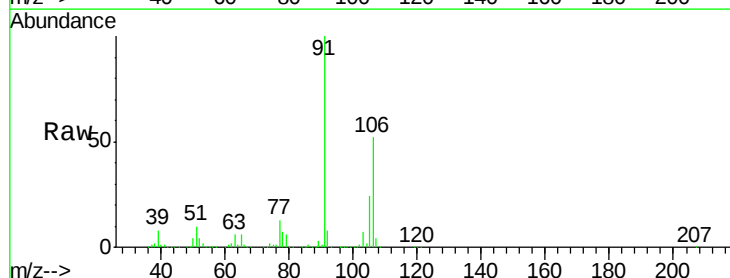
Acq: 04 Mar 2020 12:28

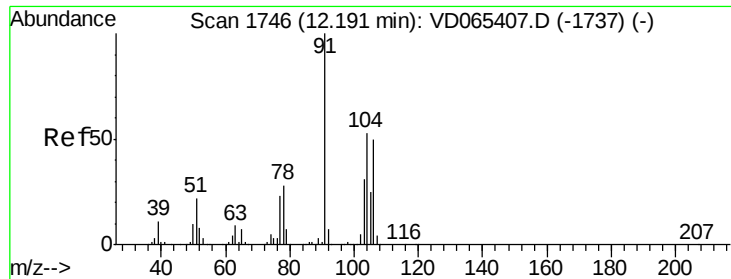
Tgt Ion: 106 Resp: 1756076

Ion Ratio Lower Upper

106 100

91 196.1 155.9 233.9

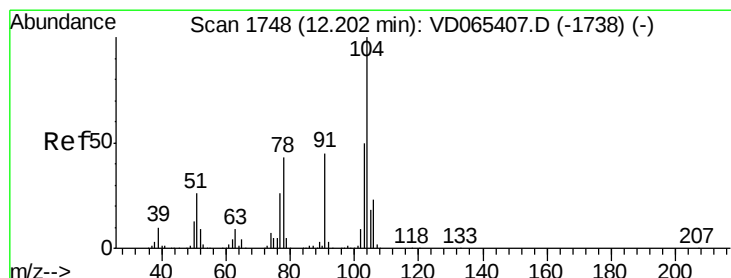
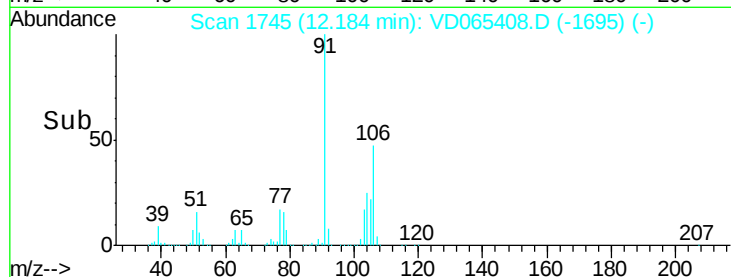
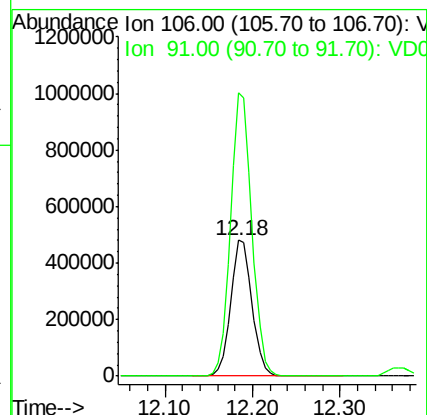
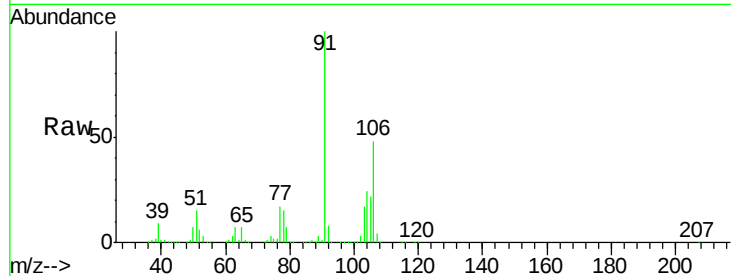




#69
o-Xylene
Concen: 103.47 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

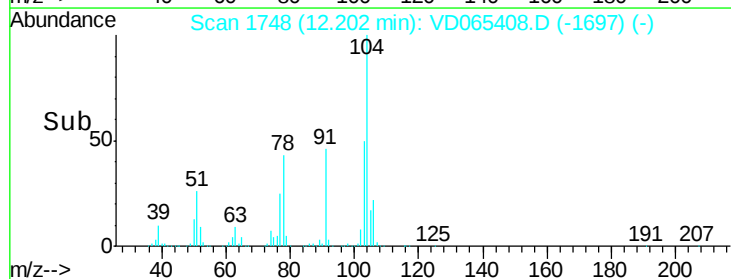
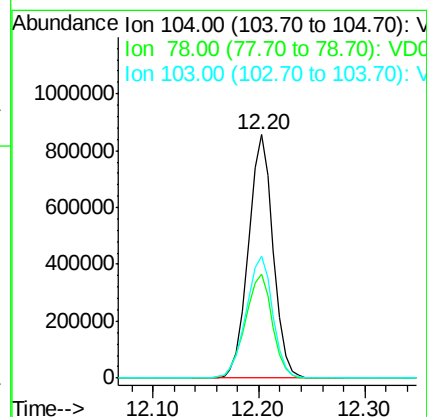
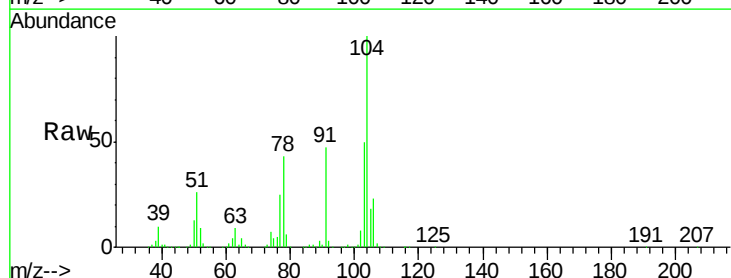
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

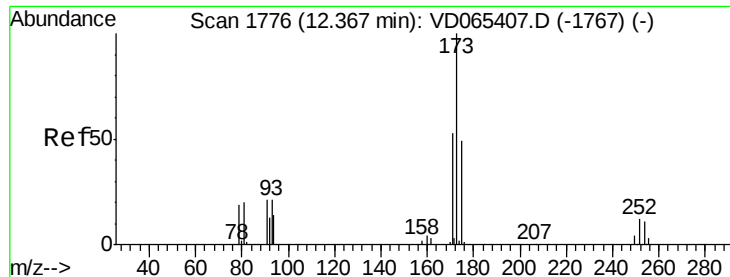
Tgt Ion:106 Resp: 800527
Ion Ratio Lower Upper
106 100
91 208.2 103.5 310.3



#70
Styrene
Concen: 101.57 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Tgt Ion:104 Resp: 1386156
Ion Ratio Lower Upper
104 100
78 46.9 37.7 56.5
103 54.2 43.6 65.4

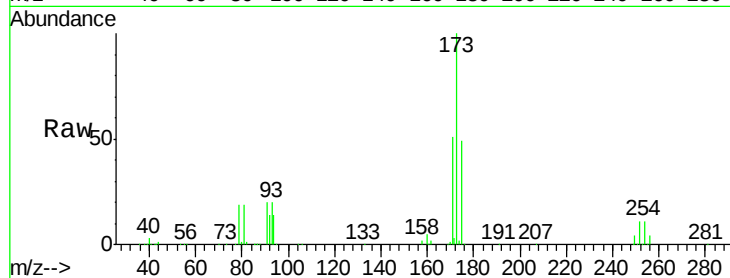




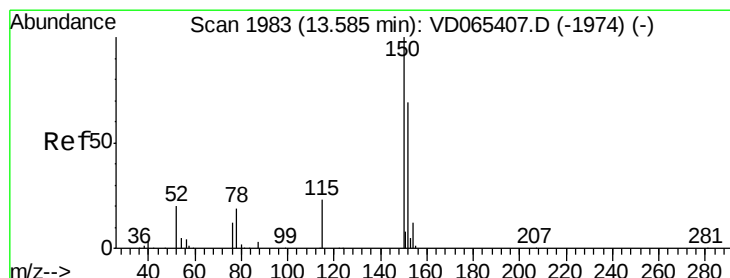
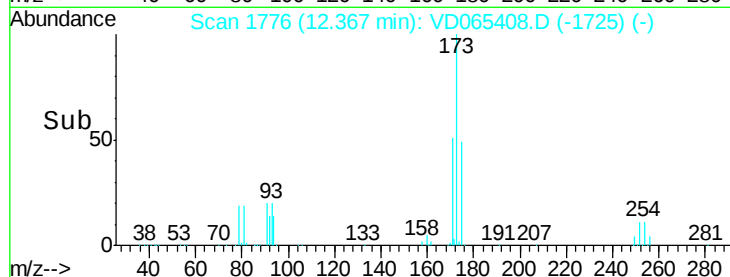
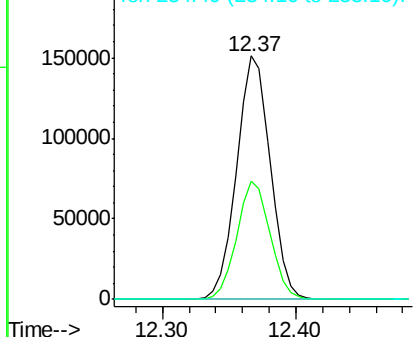
#71
Bromoform
Concen: 96.35 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:173 Resp: 262643
Ion Ratio Lower Upper
173 100
175 48.1 24.3 73.0
254 0.1 0.1 0.1

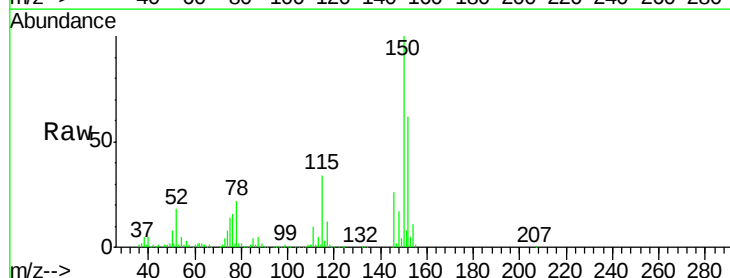


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

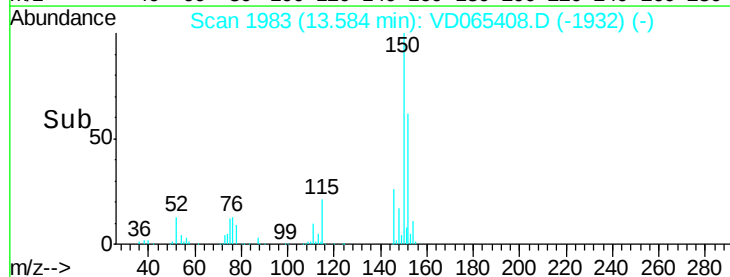
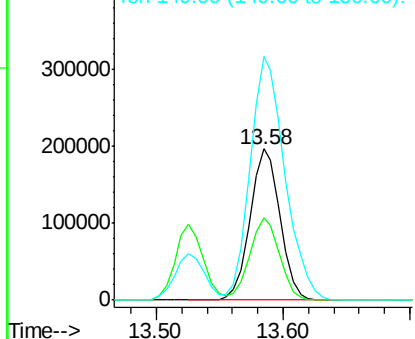


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065408.D
Acq: 04 Mar 2020 12:28

Tgt Ion:152 Resp: 323220
Ion Ratio Lower Upper
152 100
115 54.7 27.6 82.8
150 186.3 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 104.12 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

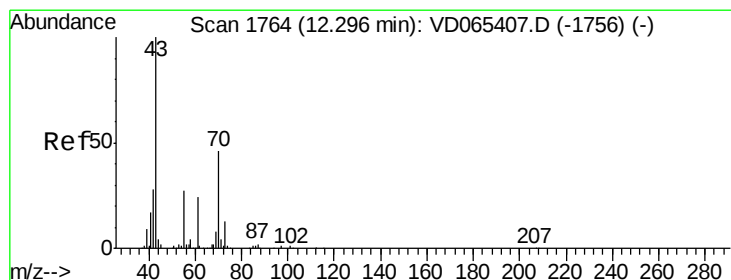
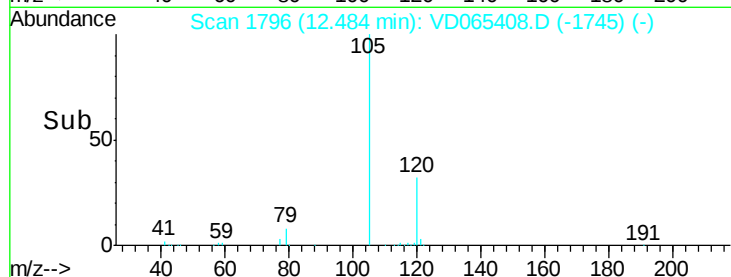
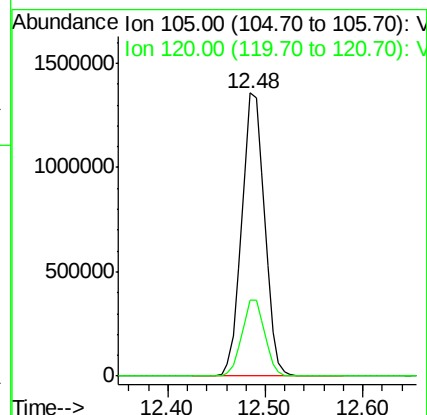
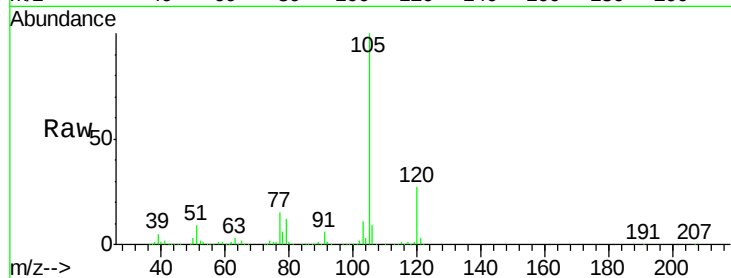
VSTDIC100

Tgt Ion:105 Resp: 2210285

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 106.67 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Tgt Ion: 43 Resp: 467579

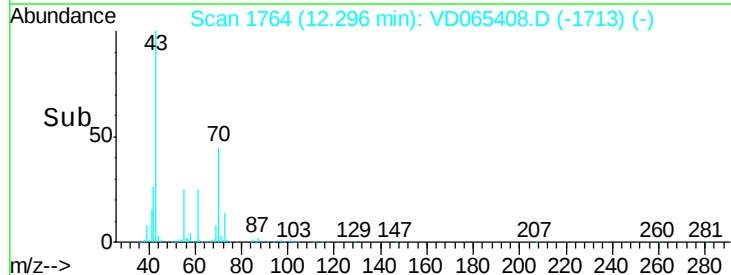
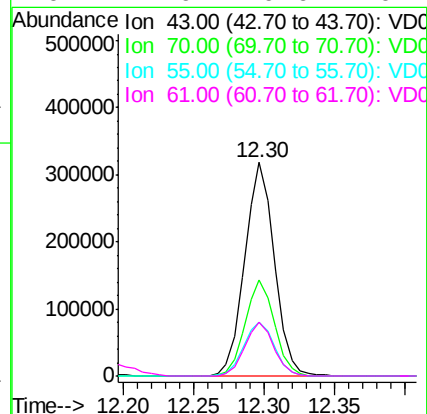
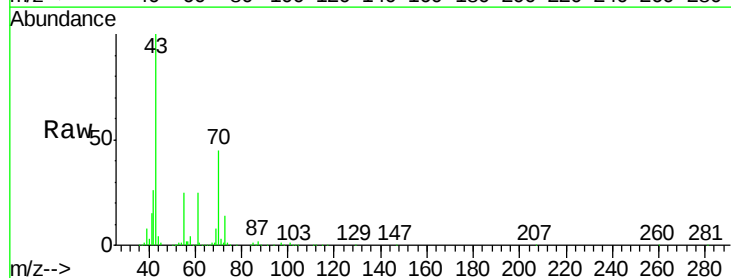
Ion Ratio Lower Upper

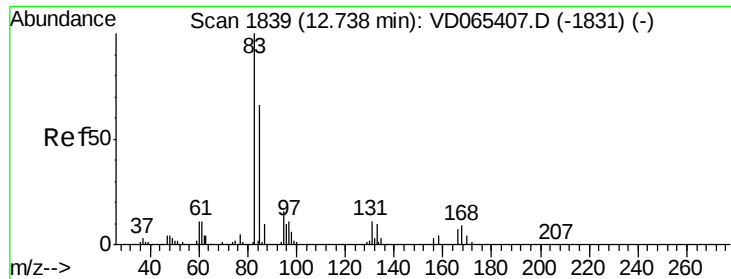
43 100

70 44.5 36.1 54.1

55 26.2 21.6 32.4

61 24.9 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 96.78 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

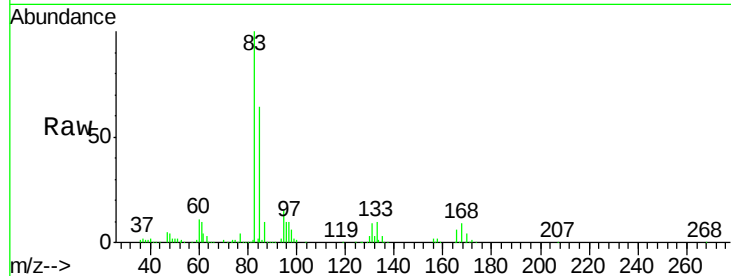
Tgt Ion: 83 Resp: 364440

Ion Ratio Lower Upper

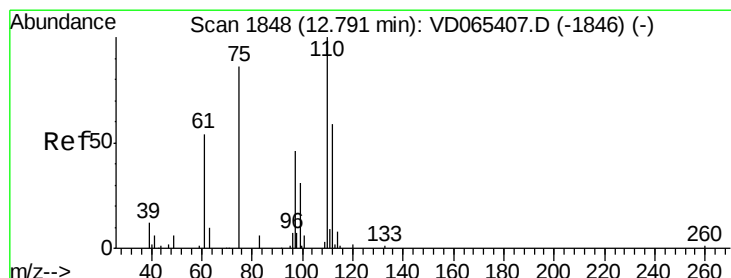
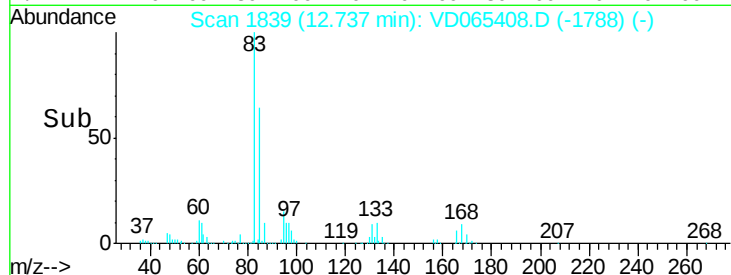
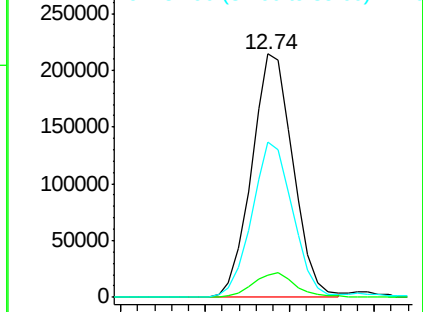
83 100

131 10.6 5.4 16.2

85 63.1 33.0 98.9



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: 106.50 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065408.D

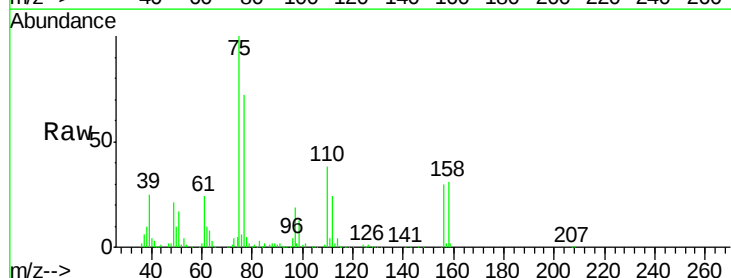
Acq: 04 Mar 2020 12:28

Tgt Ion: 75 Resp: 475453

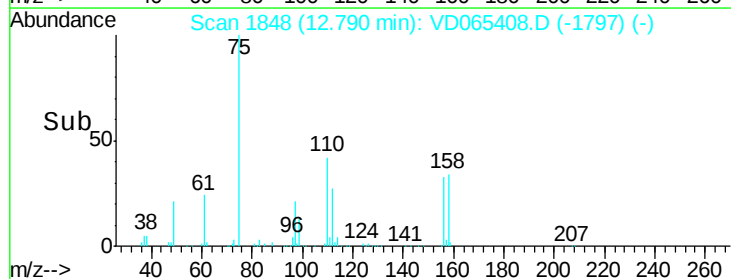
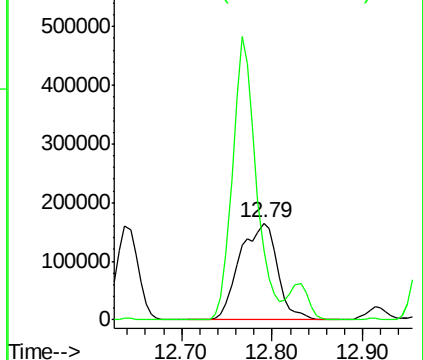
Ion Ratio Lower Upper

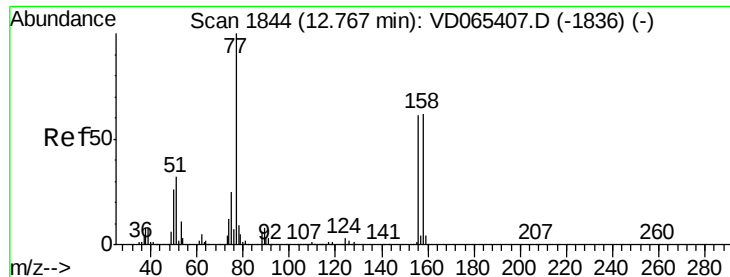
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 97.88 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

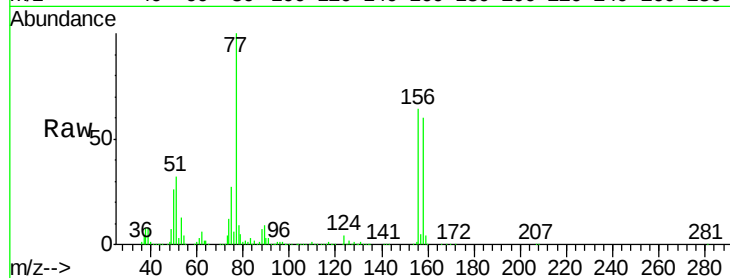
Tgt Ion:156 Resp: 520975

Ion Ratio Lower Upper

156 100

77 169.0 84.9 254.6

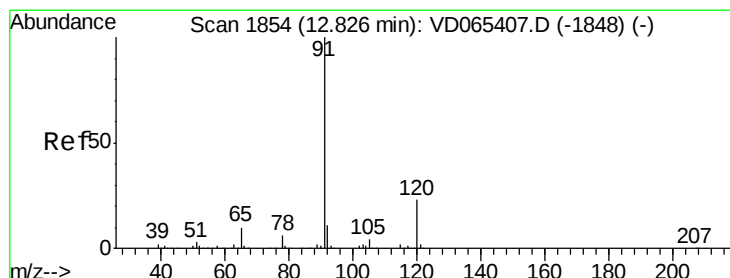
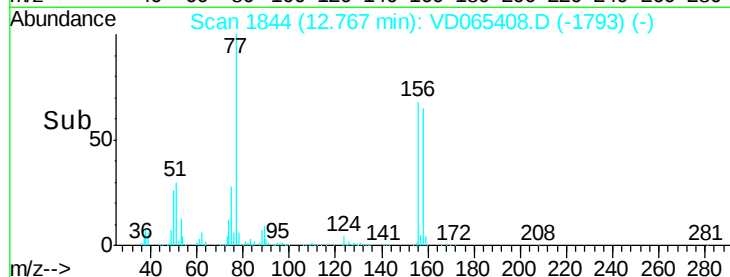
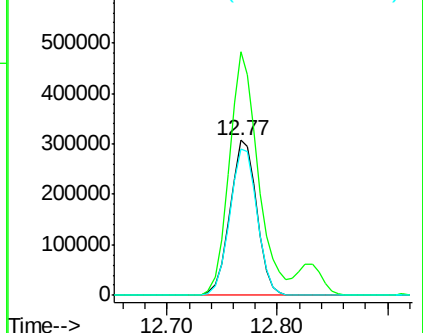
158 96.6 49.0 147.2



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: 102.48 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065408.D

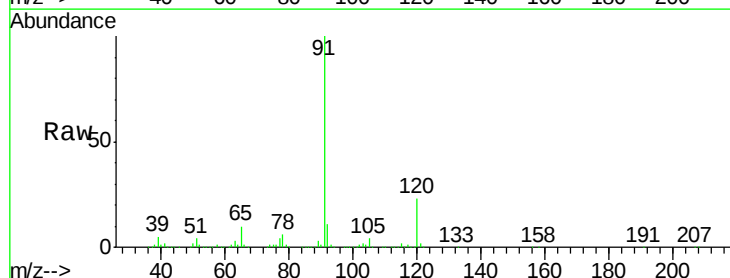
Acq: 04 Mar 2020 12:28

Tgt Ion: 91 Resp: 2588840

Ion Ratio Lower Upper

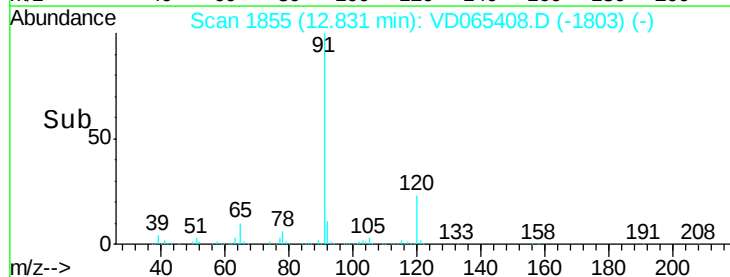
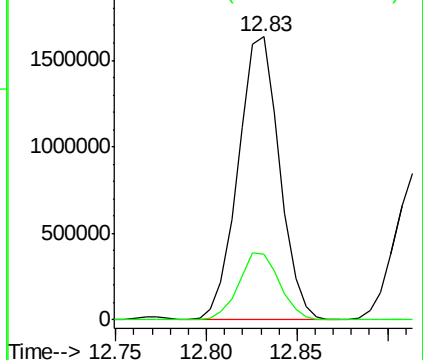
91 100

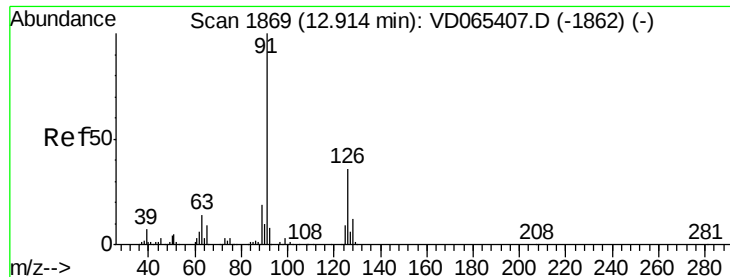
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.99 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

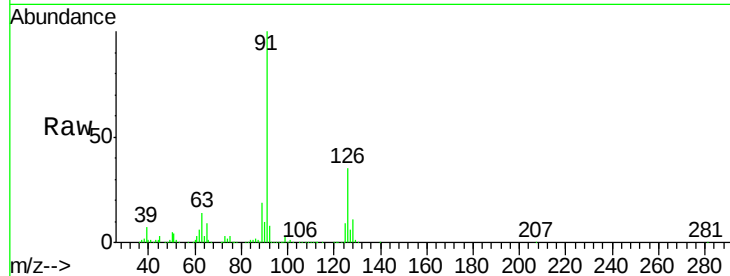
VSTDIC100

Tgt Ion: 91 Resp: 1421093

Ion Ratio Lower Upper

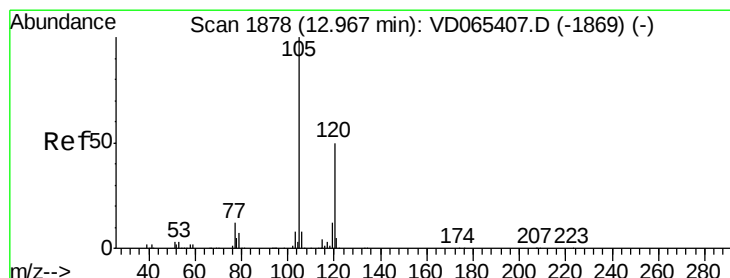
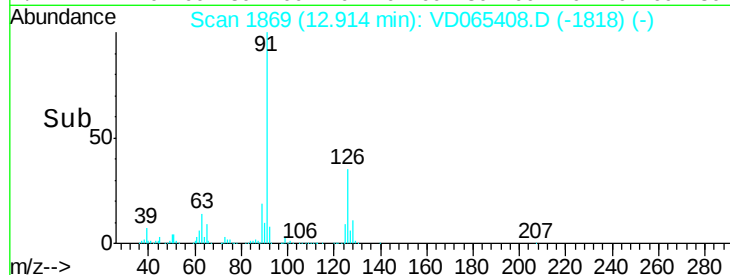
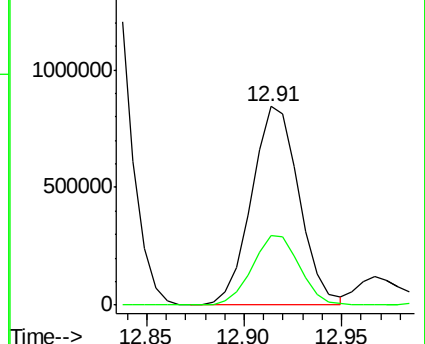
91 100

126 35.2 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD065408.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065408.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 102.46 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065408.D

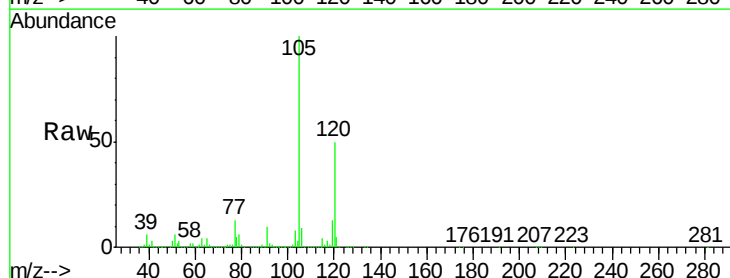
Acq: 04 Mar 2020 12:28

Tgt Ion: 105 Resp: 1790584

Ion Ratio Lower Upper

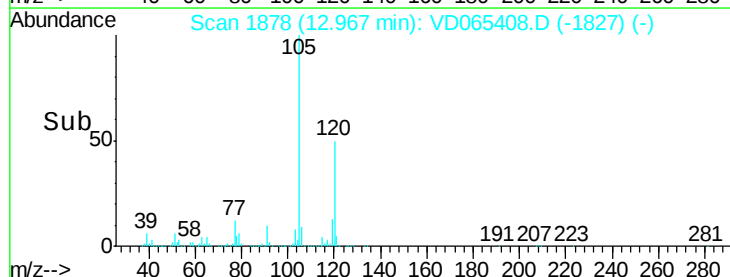
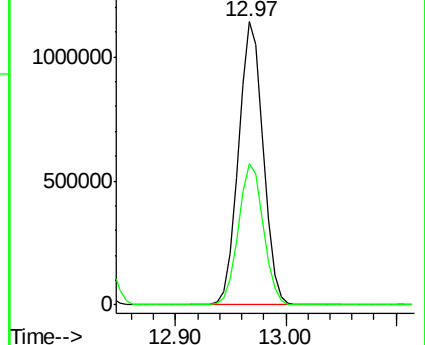
105 100

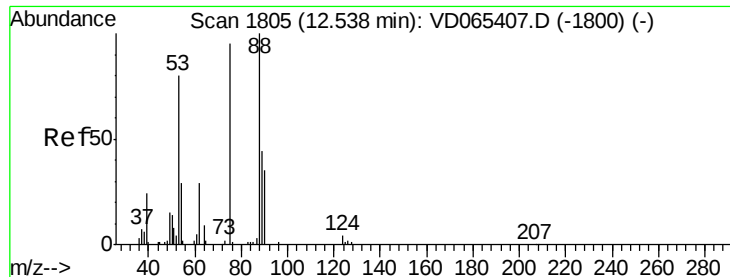
120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065408.D (-1878) (-)

Ion 120.00 (119.70 to 120.70): VD065408.D (-1878) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 104.67 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

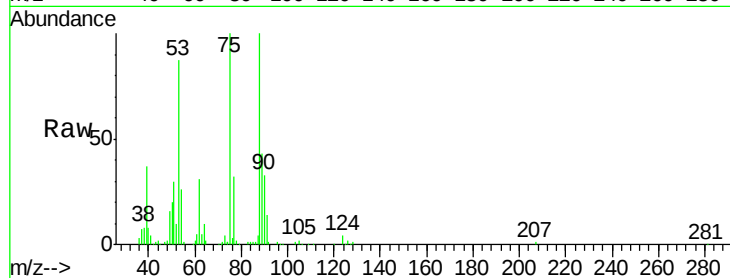
Tgt Ion: 75 Resp: 126788

Ion Ratio Lower Upper

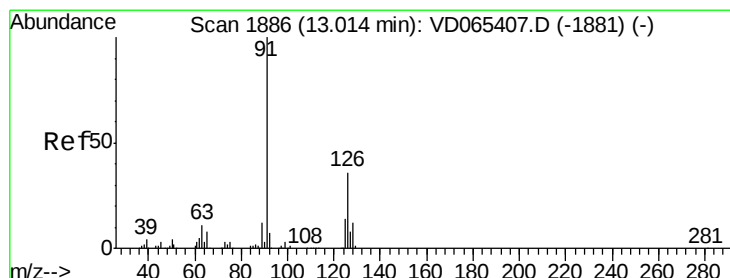
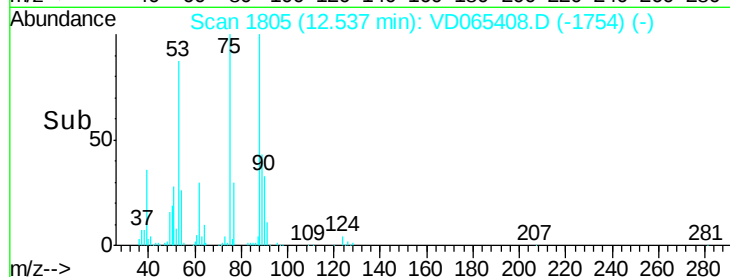
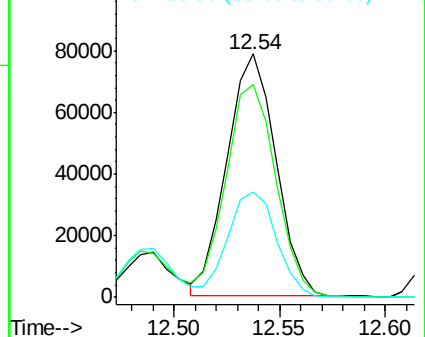
75 100

53 90.2 71.3 106.9

89 42.8 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 98.91 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065408.D

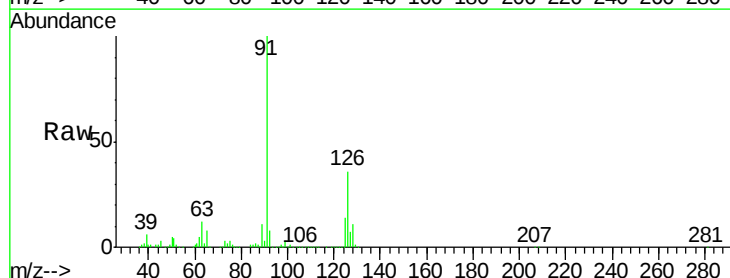
Acq: 04 Mar 2020 12:28

Tgt Ion: 91 Resp: 1482027

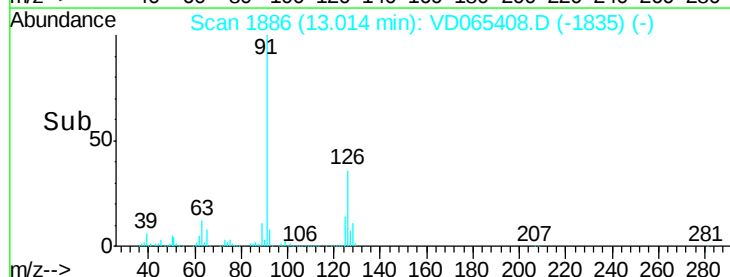
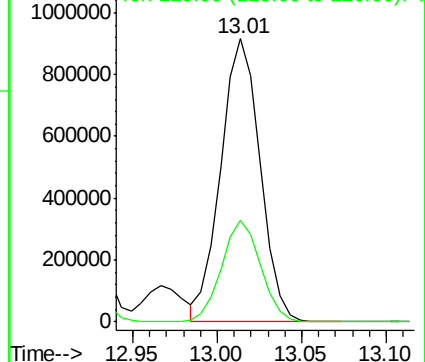
Ion Ratio Lower Upper

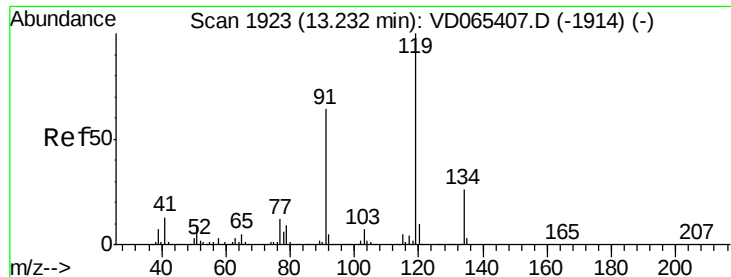
91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

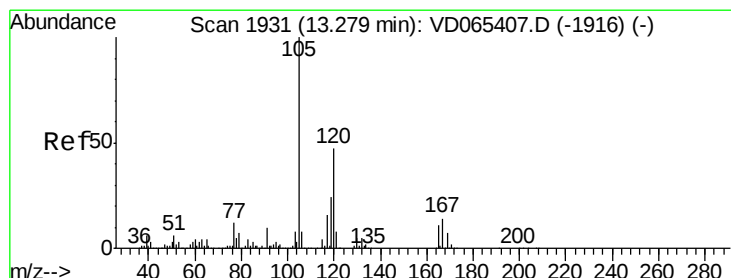
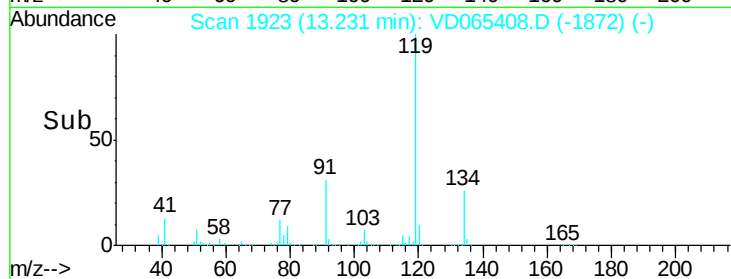
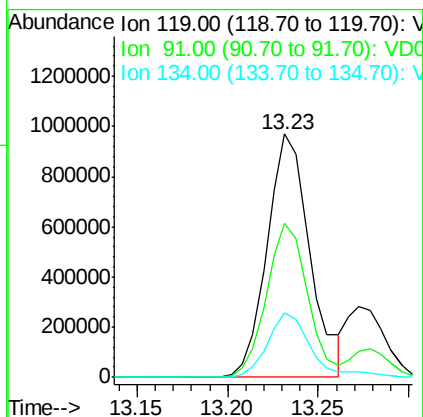
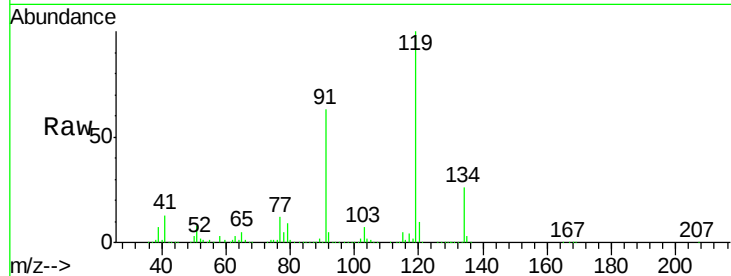




#83
 tert-Butylbenzene
 Concen: 107.93 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

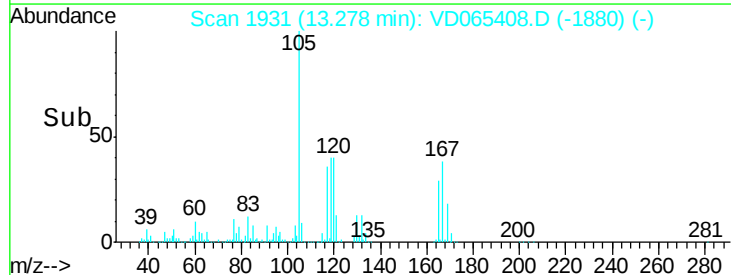
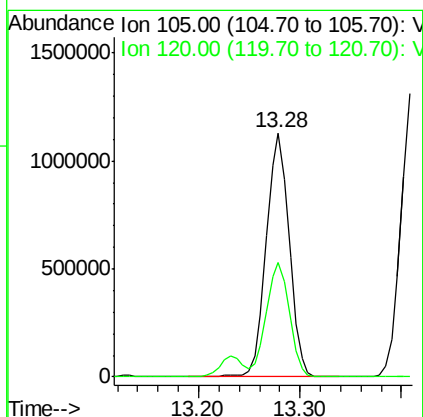
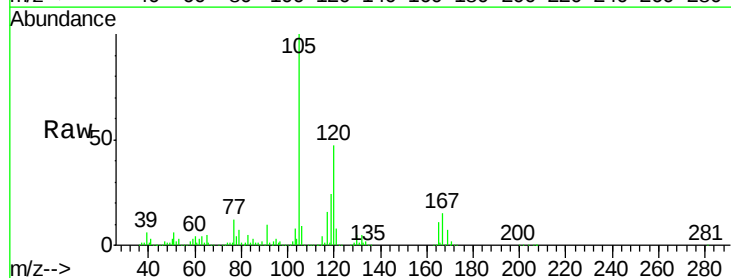
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 1592476
 Ion Ratio Lower Upper
 119 100
 91 60.8 31.6 95.0
 134 27.1 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 103.06 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion:105 Resp: 1777956
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.3

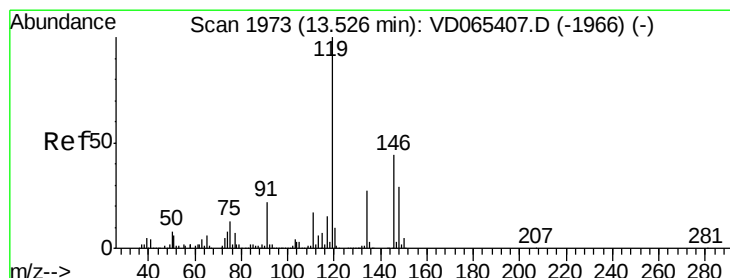
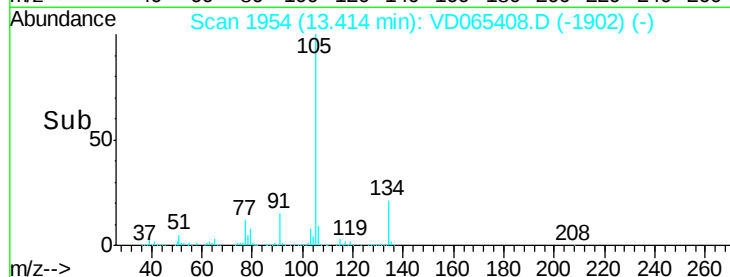
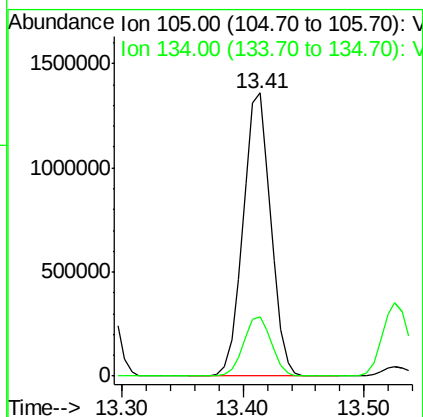
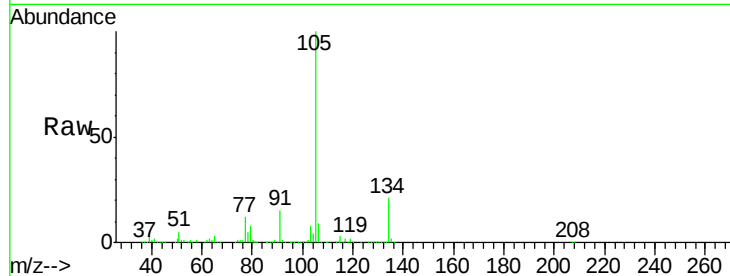




#85
 sec-Butylbenzene
 Concen: 103.28 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

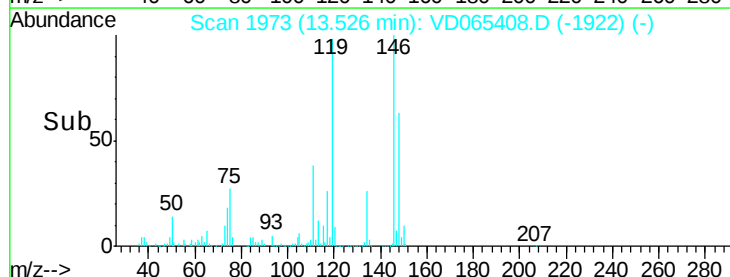
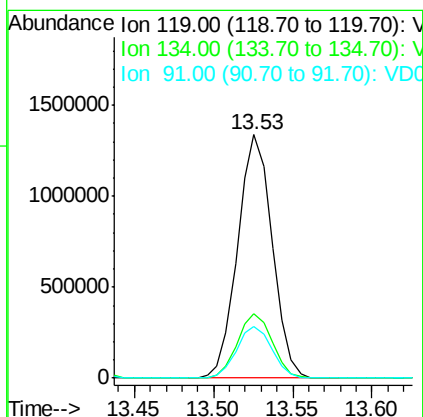
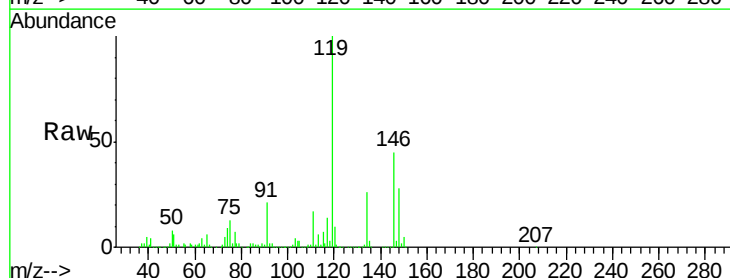
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 2175190
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 105.11 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion:119 Resp: 2020652
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.9
 91 21.8 10.9 32.6

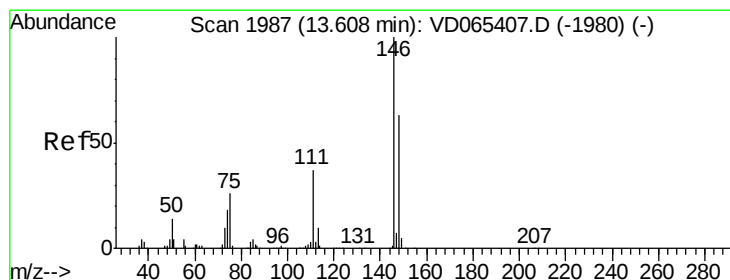
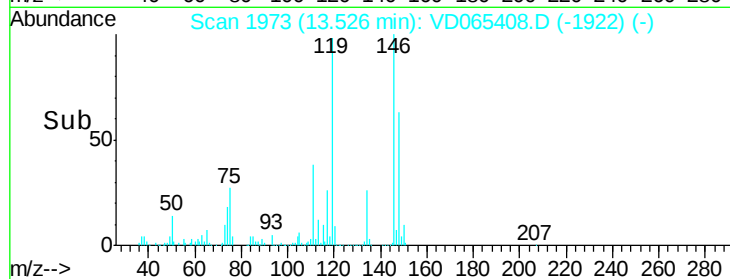
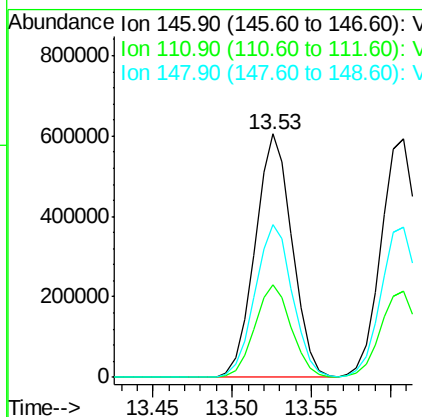
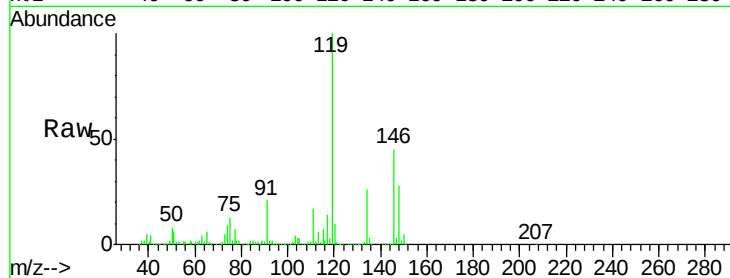




#87
 1,3-Dichlorobenzene
 Concen: 96.41 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

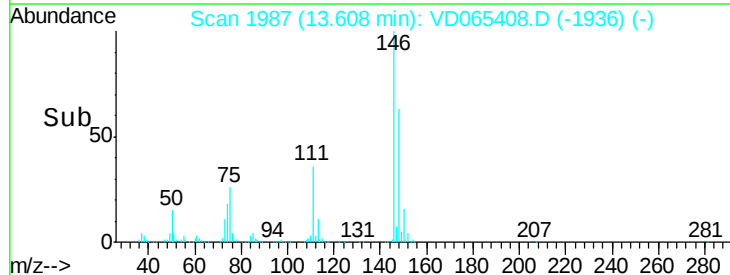
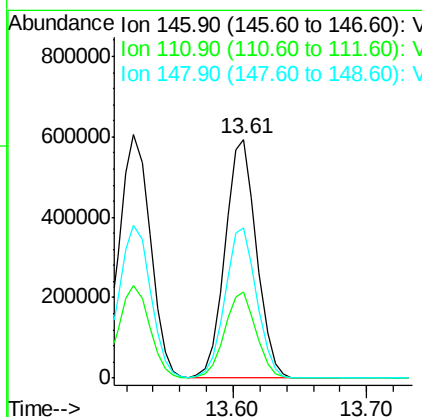
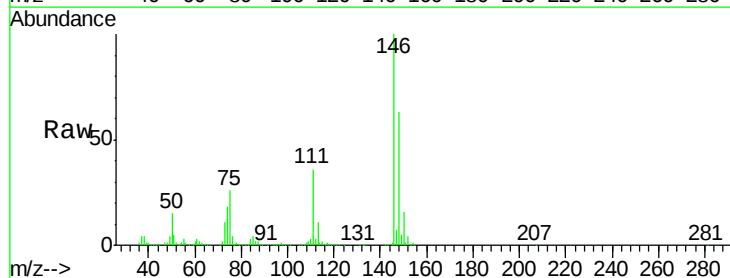
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

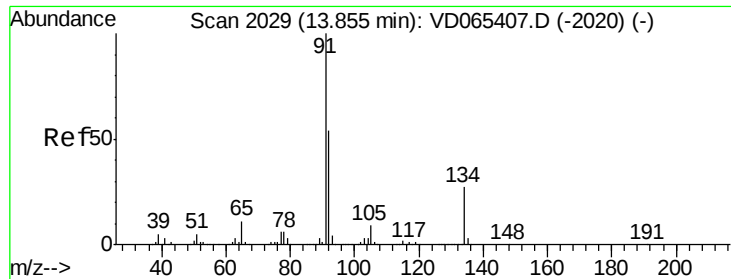
Tgt Ion:146 Resp: 980067
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 63.8 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 96.28 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion:146 Resp: 976365
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.5 55.5
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 105.37 ug/l

RT: 13.85 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

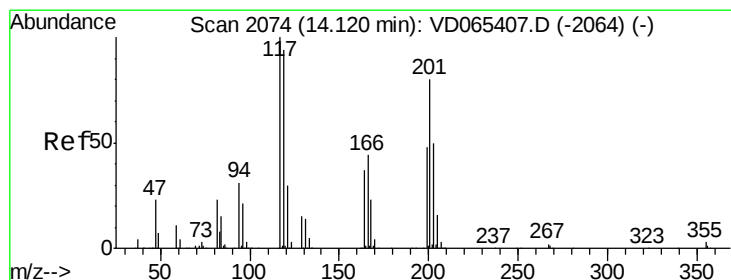
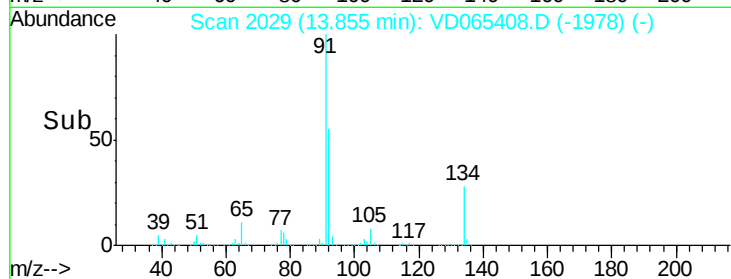
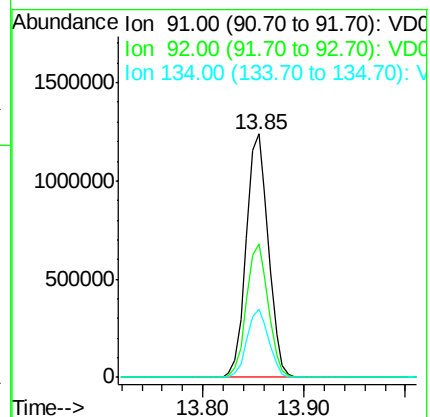
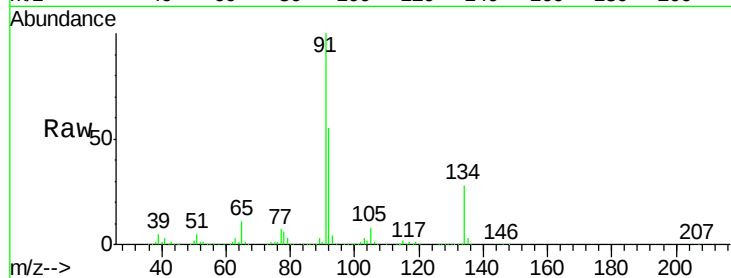
Tgt Ion: 91 Resp: 1869415

Ion Ratio Lower Upper

91 100

92 54.2 26.8 80.4

134 27.5 13.4 40.2



#90

Hexachloroethane

Concen: 97.81 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065408.D

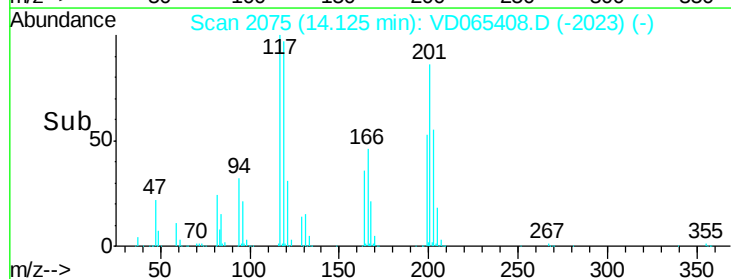
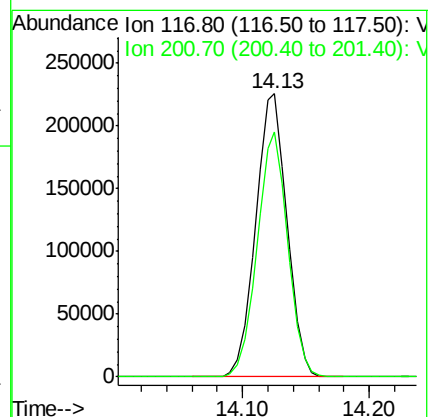
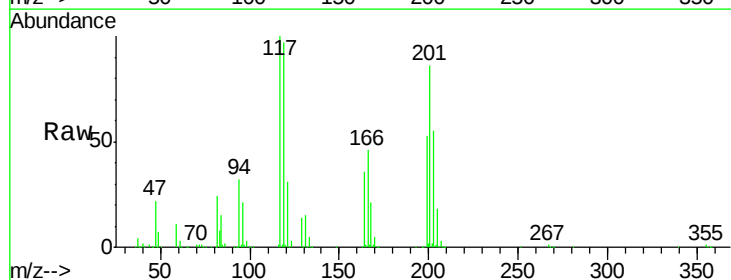
Acq: 04 Mar 2020 12:28

Tgt Ion: 117 Resp: 388263

Ion Ratio Lower Upper

117 100

201 84.2 41.9 125.6

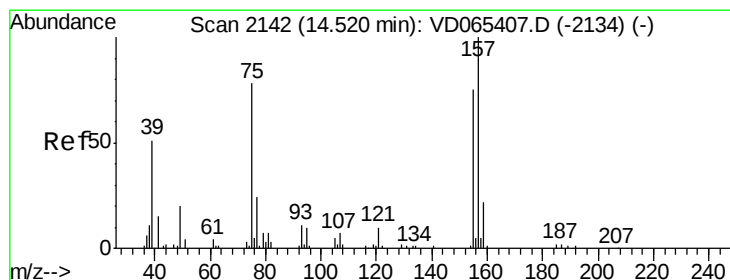
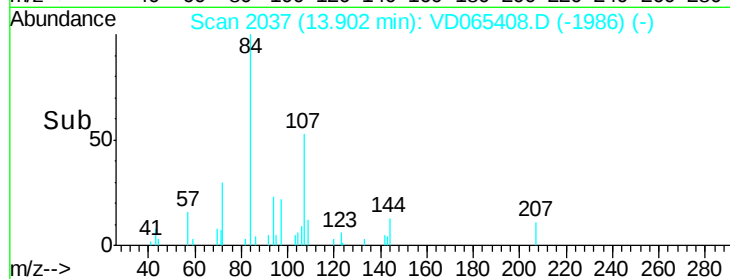
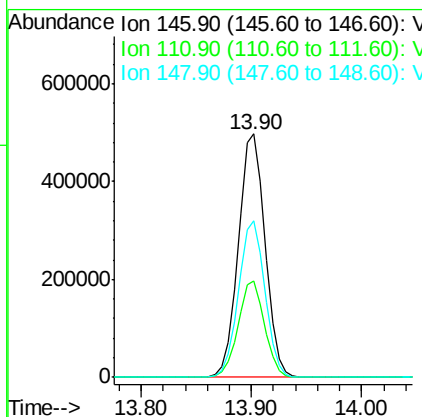
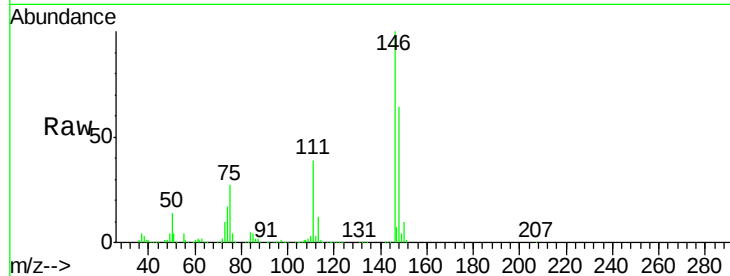




#91
 1,2-Dichlorobenzene
 Concen: 96.92 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

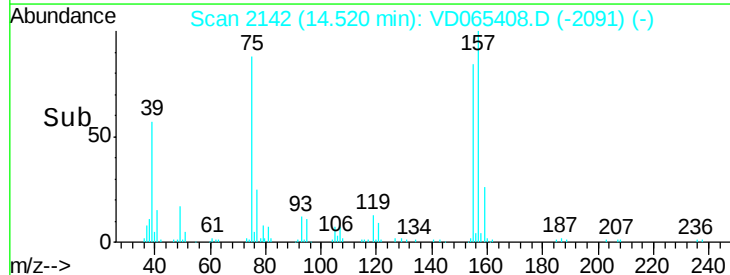
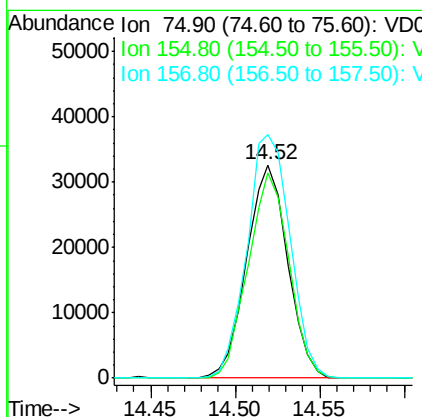
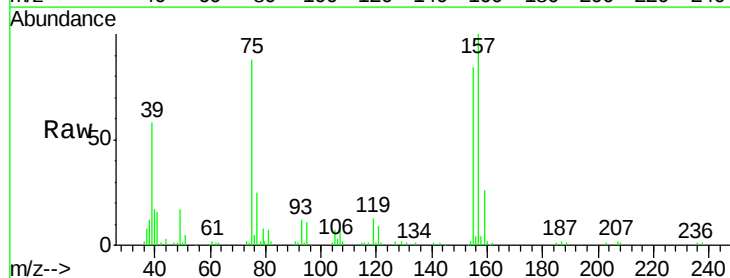
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

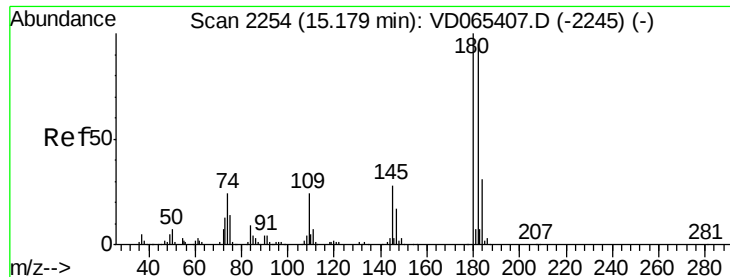
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.9	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.38 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	46.4	139.1
157	120.3	60.2	180.4

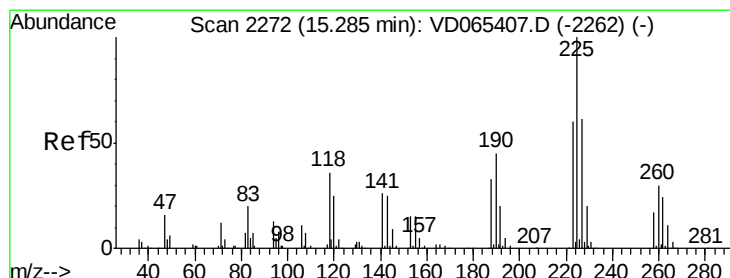
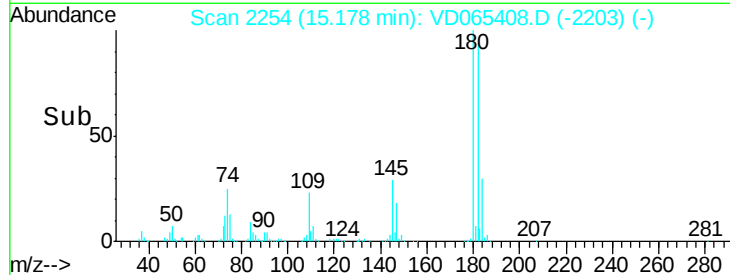
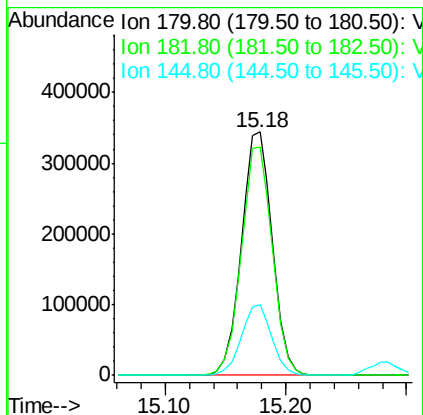
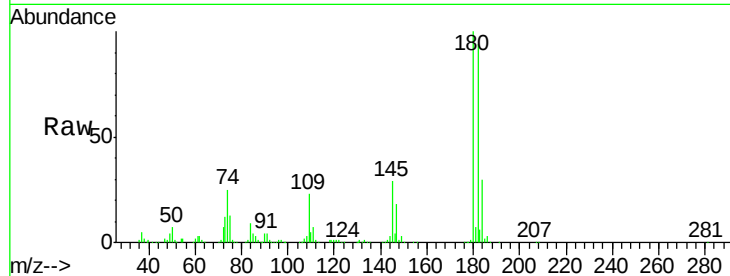




#93
 1,2,4-Trichlorobenzene
 Concen: 104.28 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

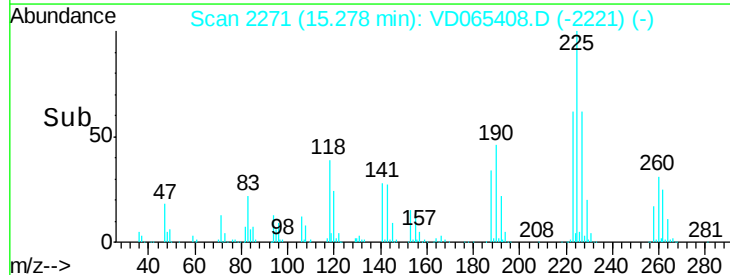
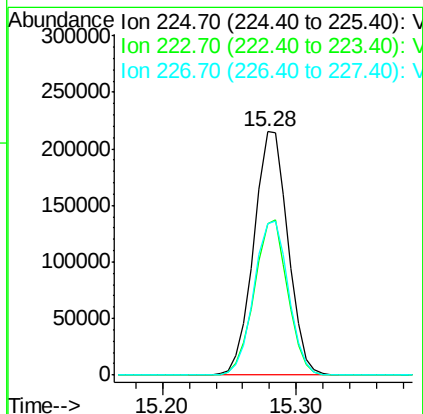
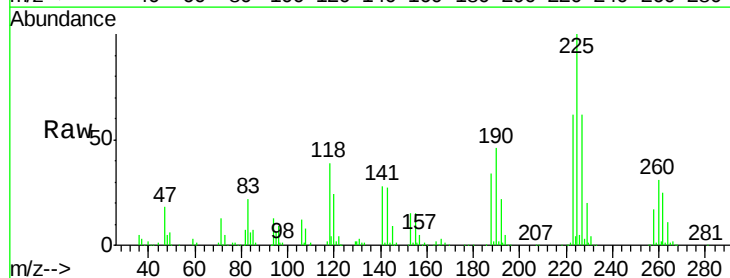
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

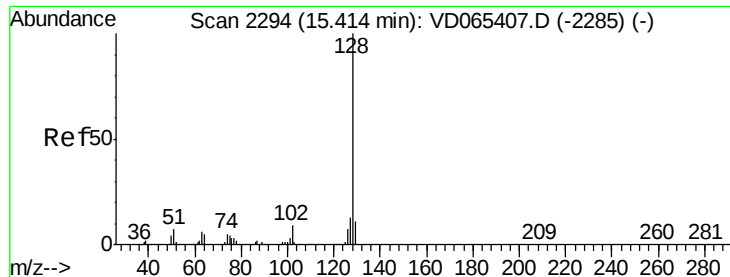
Tgt Ion:180 Resp: 611303
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.3 144.9
 145 28.5 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 99.14 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065408.D
 Acq: 04 Mar 2020 12:28

Tgt Ion:225 Resp: 380194
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.9 92.5
 227 63.7 31.6 94.7





#95

Naphthalene

Concen: 111.98 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

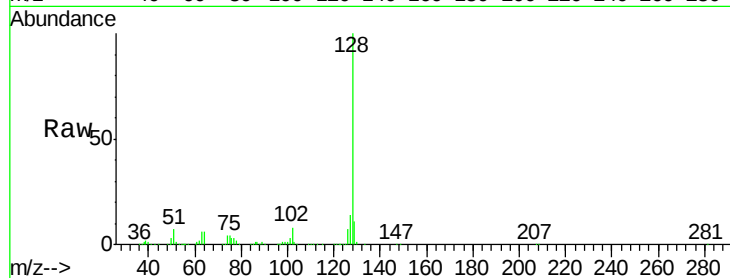
Tgt Ion:128 Resp: 1055654

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

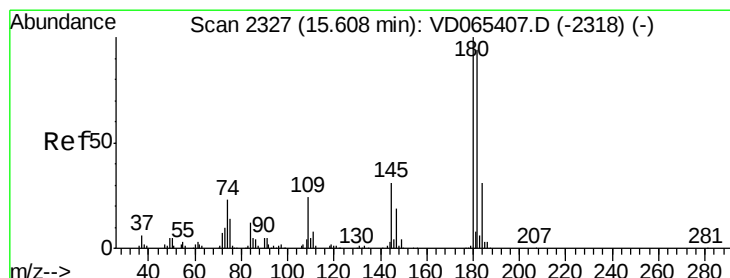
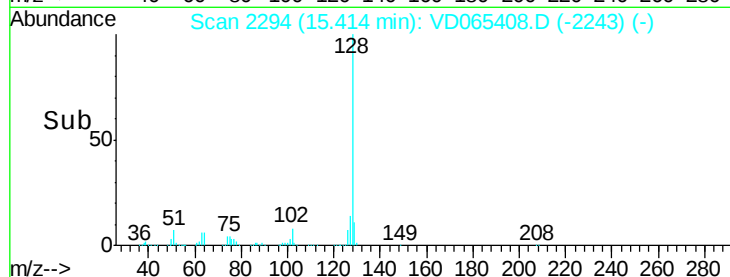
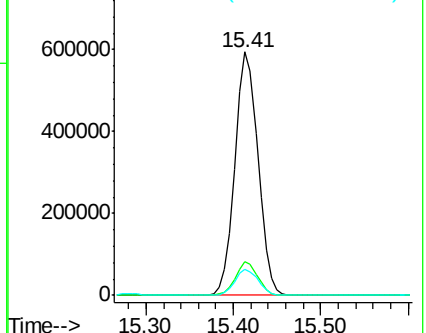
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 103.64 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

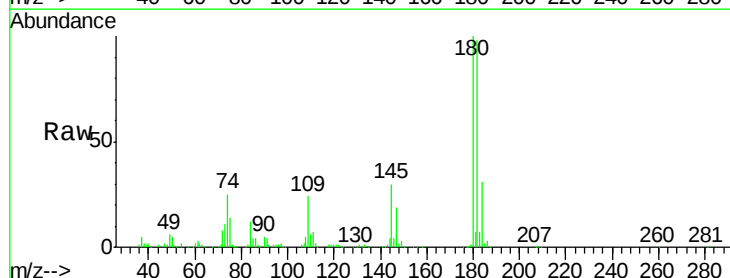
Tgt Ion:180 Resp: 527718

Ion Ratio Lower Upper

180 100

182 95.9 46.9 140.6

145 30.1 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

