

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065409.D
 Acq On : 04 Mar 2020 12:55
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 04 16:00:49 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	7.99	168	508212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	737720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	664601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	624681	142.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.02%	
35) Dibromofluoromethane	7.92	113	651075	142.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.66%	
50) Toluene-d8	10.34	98	2557070	145.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.16%	
62) 4-Bromofluorobenzene	12.64	95	821740	149.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	549730	124.74	ug/l	99
3) Chloromethane	2.21	50	672967	127.48	ug/l	100
4) Vinyl Chloride	2.35	62	690657	132.31	ug/l	97
5) Bromomethane	2.74	94	401942	119.84	ug/l	96
6) Chloroethane	2.91	64	421556	132.33	ug/l	98
7) Trichlorofluoromethane	3.27	101	1003774	130.43	ug/l	100
8) Diethyl Ether	3.71	74	330457	143.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	650752	131.37	ug/l	99
10) Methyl Iodide	4.29	142	819549	160.24	ug/l	97
11) Tert butyl alcohol	5.26	59	204396	862.22	ug/l	97
12) 1,1-Dichloroethene	4.06	96	640803	135.20	ug/l	95
13) Acrolein	3.92	56	334219	772.77	ug/l	100
14) Allyl chloride	4.71	41	1056608	144.70	ug/l	99
15) Acrylonitrile	5.43	53	787450	780.03	ug/l	100
16) Acetone	4.17	43	658242	736.24	ug/l	99
17) Carbon Disulfide	4.40	76	2136274	135.01	ug/l	100
18) Methyl Acetate	4.72	43	344362	150.66	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	1452742	157.68	ug/l	97
20) Methylene Chloride	4.96	84	682853	123.20	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	729267	137.93	ug/l	98
22) Diisopropyl ether	6.37	45	1999736	145.94	ug/l	96
23) Vinyl Acetate	6.31	43	6210331	817.24	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1200419	137.92	ug/l	98
25) 2-Butanone	7.23	43	980997	802.00	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1037118	136.33	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	779589	143.79	ug/l	99
28) Bromochloromethane	7.55	49	505105	143.06	ug/l	99
29) Tetrahydrofuran	7.57	42	648225	824.96	ug/l	98
30) Chloroform	7.71	83	1187320	135.65	ug/l	97
31) Cyclohexane	7.99	56	1172053	135.33	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1083396	134.87	ug/l	98
36) 1,1-Dichloropropene	8.11	75	995922	140.37	ug/l	99
37) Ethyl Acetate	7.30	43	448155	161.39	ug/l	98
38) Carbon Tetrachloride	8.10	117	1003469	137.03	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1274406	150.33	ug/l	97
40) Benzene	8.36	78	2760578	138.80	ug/l	100
41) Methacrylonitrile	7.53	41	245751	174.15	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	743586	142.09	ug/l	100
43) Isopropyl Acetate	8.46	43	828842	163.10	ug/l	99
44) Trichloroethene	9.12	130	786771	140.92	ug/l	99
45) 1,2-Dichloropropane	9.39	63	683610	141.53	ug/l	97
46) Dibromomethane	9.48	93	364548	145.16	ug/l	98
47) Bromodichloromethane	9.67	83	929527	142.56	ug/l	96
48) Methyl methacrylate	9.46	41	391370	162.80	ug/l	99
49) 1,4-Dioxane	9.47	88	96171	3326.75	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	2139899	832.62	ug/l	99
52) Toluene	10.41	92	1779858	141.90	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	941633	153.49	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	1121000	151.30	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	515509	145.14	ug/l	99
56) Ethyl methacrylate	10.67	69	695442	172.70	ug/l	98
57) 1,3-Dichloropropane	10.95	76	893457	148.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	953567	666.10	ug/l	99
59) 2-Hexanone	10.99	43	1520564	853.46	ug/l	99
60) Dibromochloromethane	11.15	129	669098	146.30	ug/l	100
61) 1,2-Dibromoethane	11.25	107	507696	149.66	ug/l	98
64) Tetrachloroethene	10.88	164	663935	139.08	ug/l	100
65) Chlorobenzene	11.68	112	1849615	139.90	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	684211	141.75	ug/l	97
67) Ethyl Benzene	11.75	91	3335390	146.34	ug/l	99
68) m/p-Xylenes	11.86	106	2544885	289.63	ug/l	100
69) o-Xylene	12.19	106	1169303	151.30	ug/l	99
70) Styrene	12.20	104	2035245	149.29	ug/l	100
71) Bromoform	12.37	173	409370	150.34	ug/l #	99
73) Isopropylbenzene	12.48	105	3160993	150.79	ug/l	100
74) N-amyl acetate	12.30	43	755615	174.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	556354	149.61	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	736762	167.13	ug/l #	100
77) Bromobenzene	12.77	156	763715	145.30	ug/l	99
78) n-propylbenzene	12.83	91	3662500	146.81	ug/l	100
79) 2-Chlorotoluene	12.91	91	2044719	145.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2527048	146.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	200475	167.60	ug/l	99
82) 4-Chlorotoluene	13.01	91	2118440	143.17	ug/l	99
83) tert-Butylbenzene	13.23	119	2173285	149.15	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	2518773	147.85	ug/l	99
85) sec-Butylbenzene	13.41	105	3069961	147.62	ug/l	99
86) p-Isopropyltoluene	13.53	119	2827829	148.96	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1401574	139.62	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	1396055	139.41	ug/l	99
89) n-Butylbenzene	13.86	91	2614892	149.26	ug/l	98
90) Hexachloroethane	14.12	117	553567	141.21	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	1223665	142.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	87846	153.90	ug/l	96

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QLast Update : Wed Mar 04 15:55:15 2020
Response via : Initial Calibration

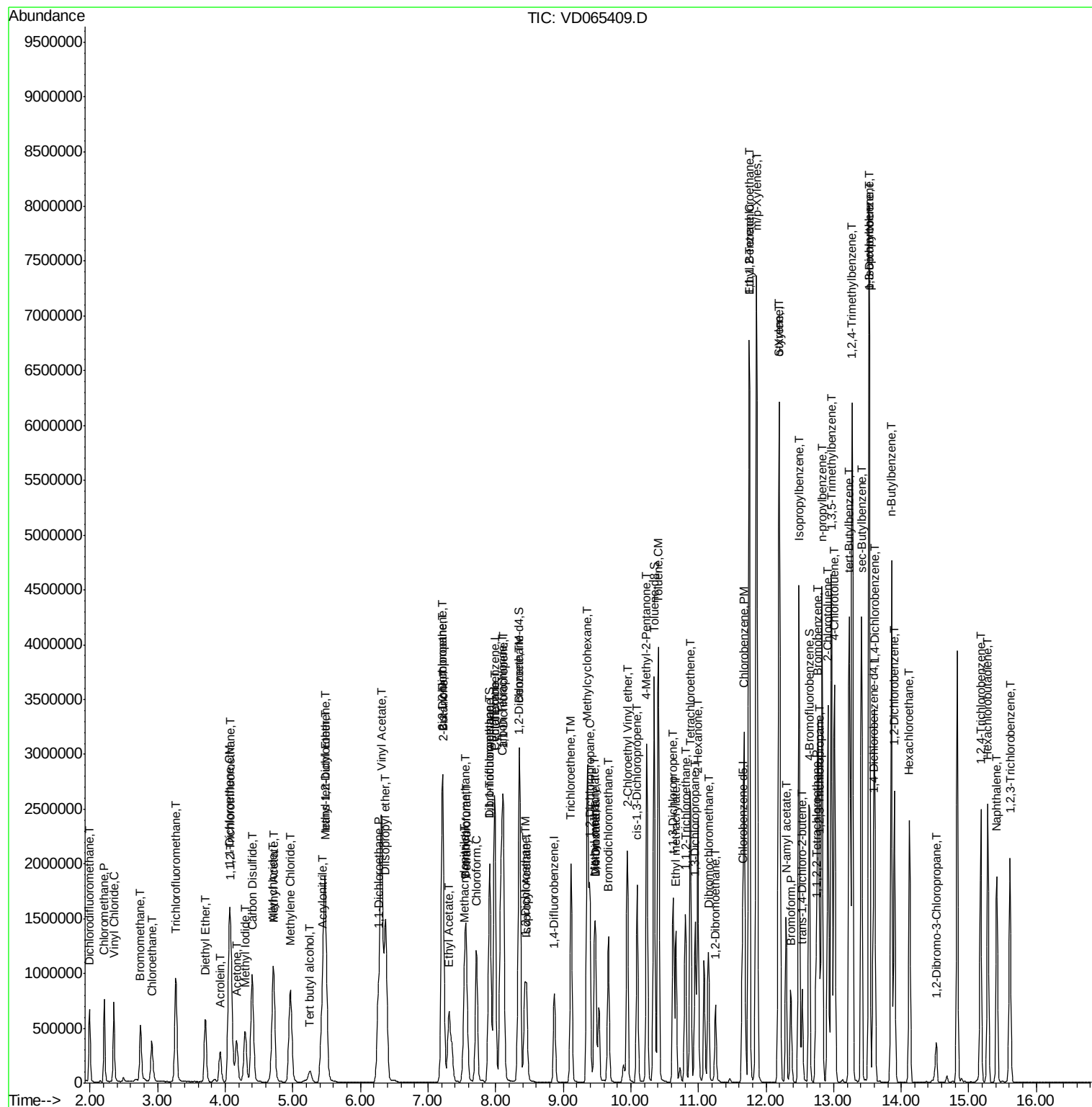
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	899409	155.37	ug/l	99
94) Hexachlorobutadiene	15.28	225	539796	142.55	ug/l	99
95) Naphthalene	15.41	128	1682128	180.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	784456	156.01	ug/l	99

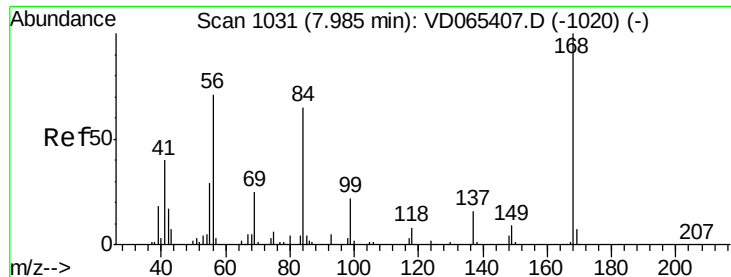
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

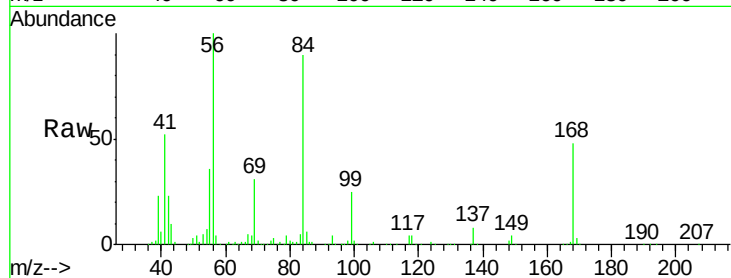
VSTDIC150

Tgt Ion:168 Resp: 508212

Ion Ratio Lower Upper

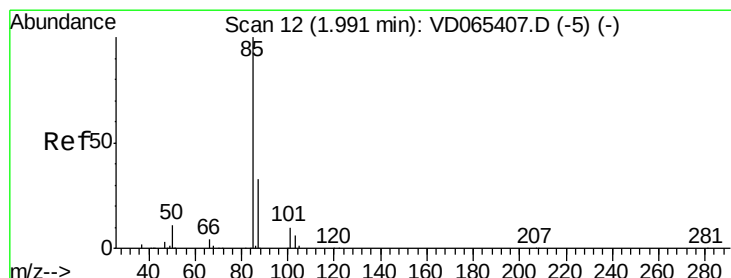
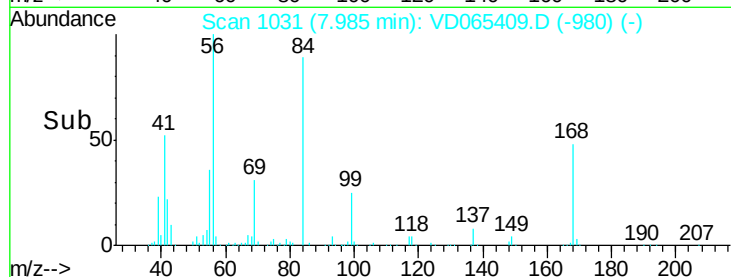
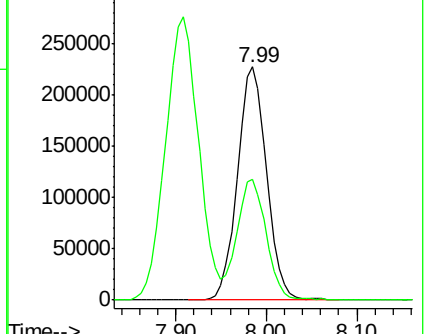
168 100

99 51.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 124.74 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065409.D

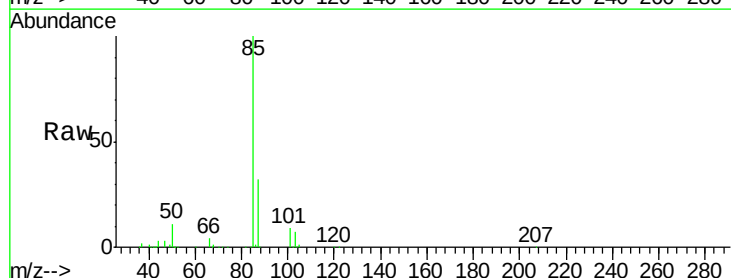
Acq: 04 Mar 2020 12:55

Tgt Ion: 85 Resp: 549730

Ion Ratio Lower Upper

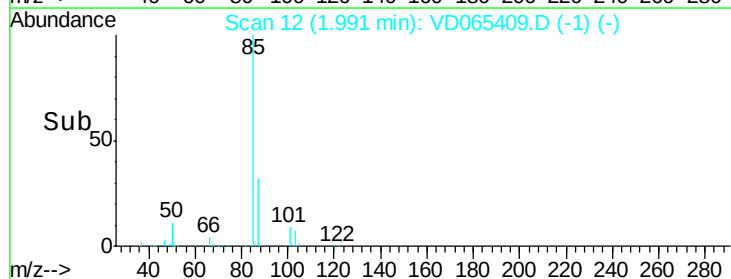
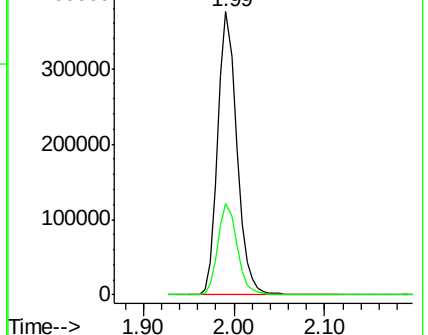
85 100

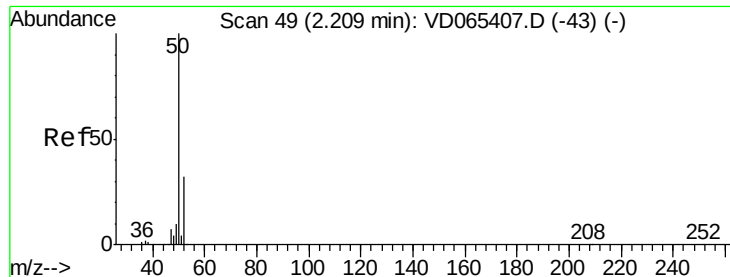
87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 127.48 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

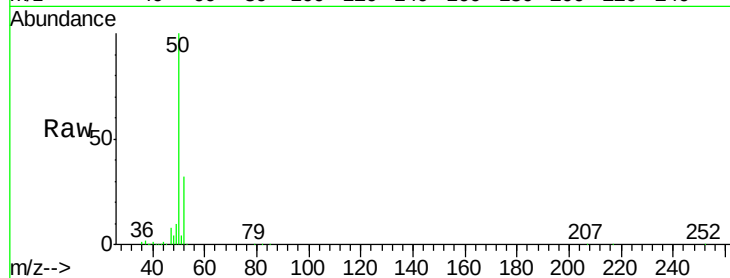
VSTDIC150

Tgt Ion: 50 Resp: 672967

Ion Ratio Lower Upper

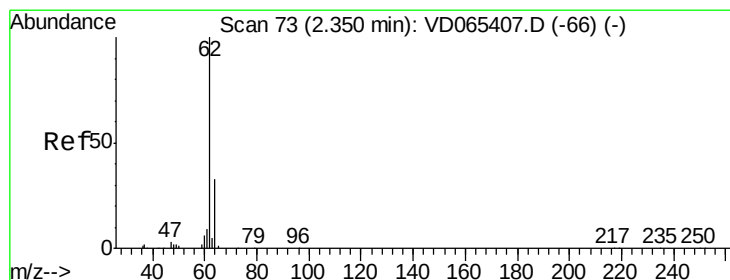
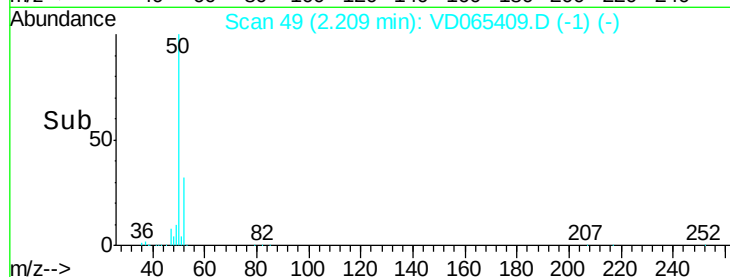
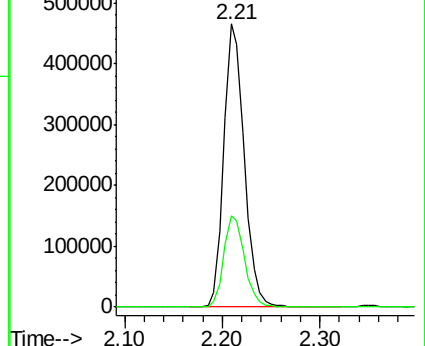
50 100

52 32.2 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: 132.31 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065409.D

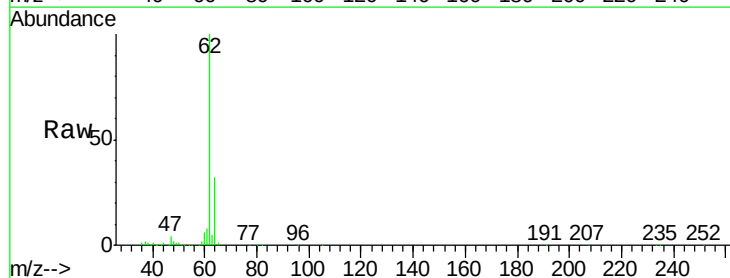
Acq: 04 Mar 2020 12:55

Tgt Ion: 62 Resp: 690657

Ion Ratio Lower Upper

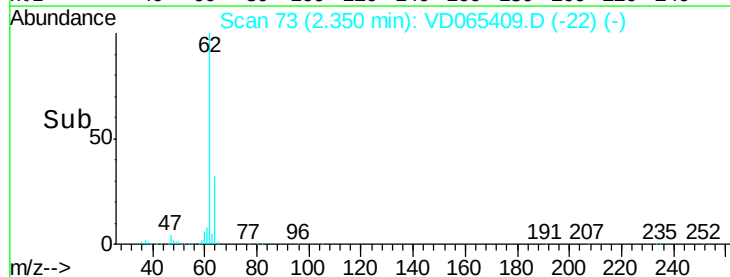
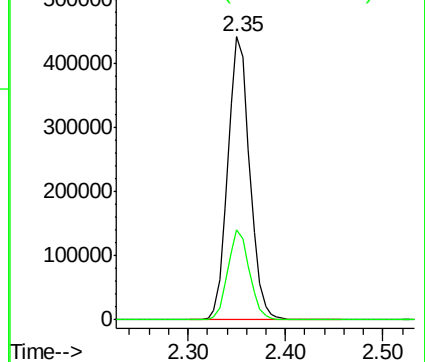
62 100

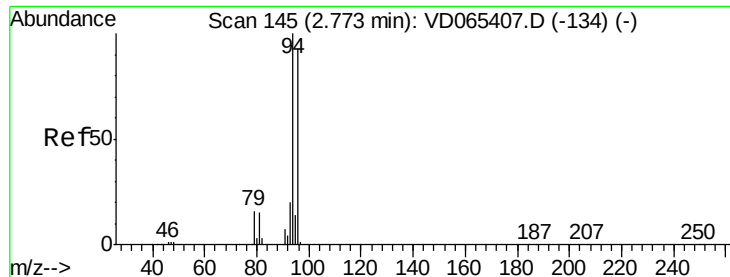
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 119.84 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

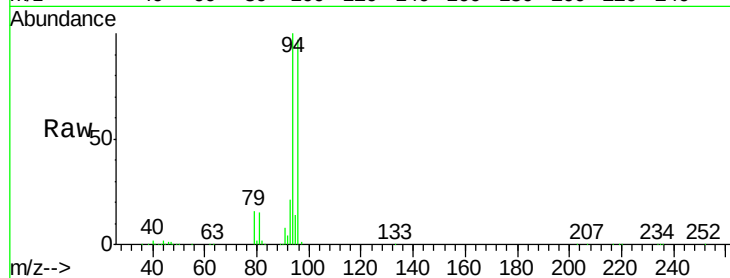
VSTDIC150

Tgt Ion: 94 Resp: 401942

Ion Ratio Lower Upper

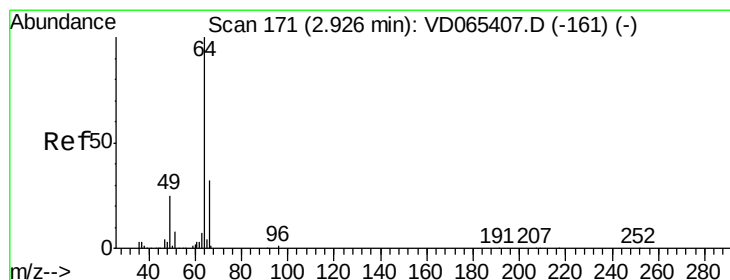
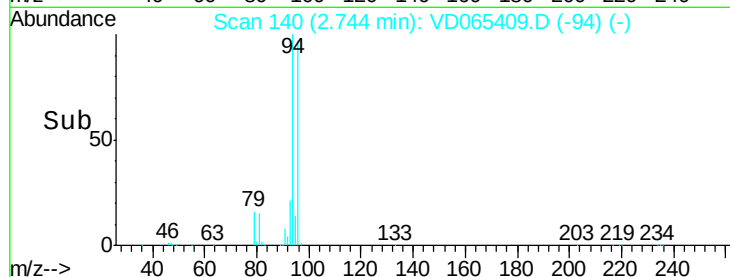
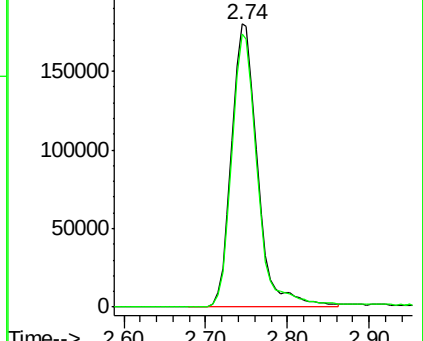
94 100

96 96.4 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 132.33 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065409.D

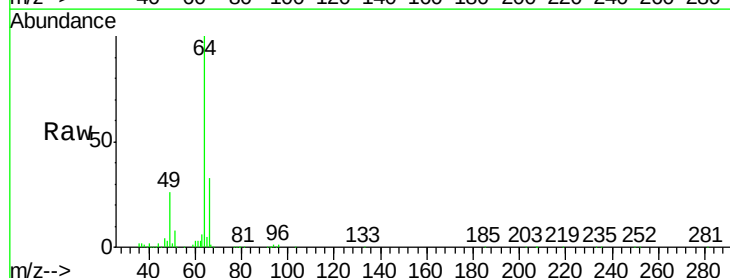
Acq: 04 Mar 2020 12:55

Tgt Ion: 64 Resp: 421556

Ion Ratio Lower Upper

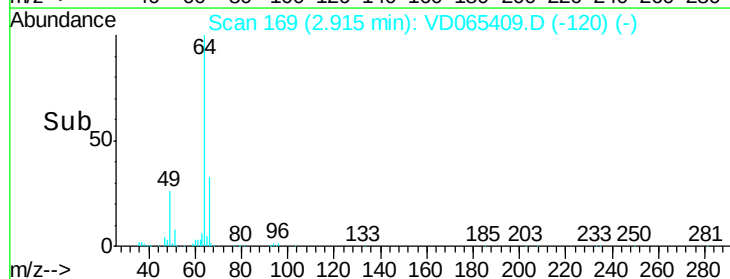
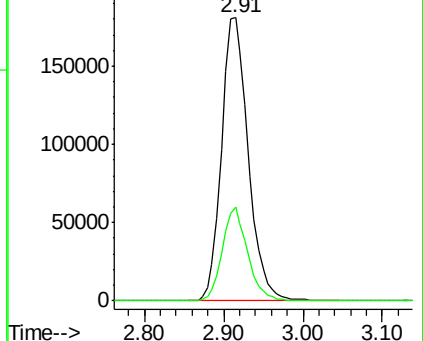
64 100

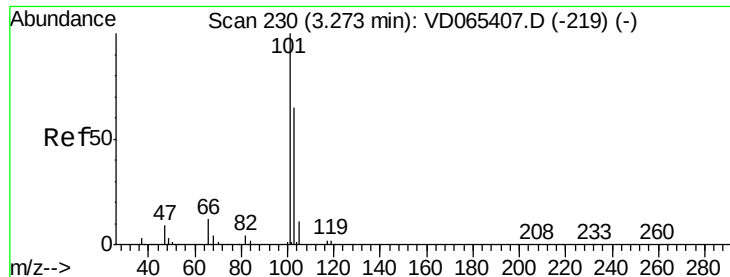
66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



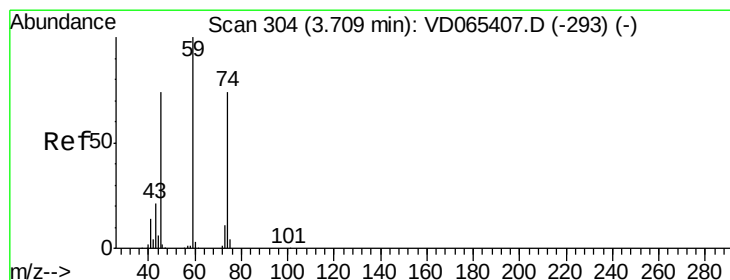
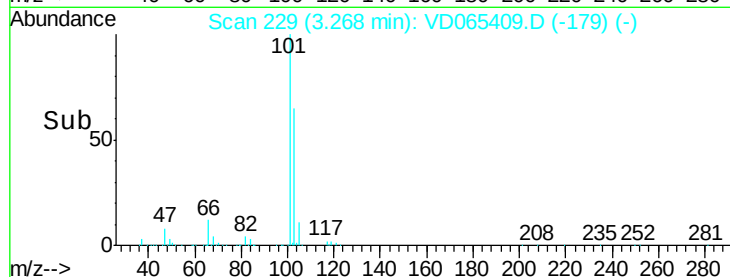
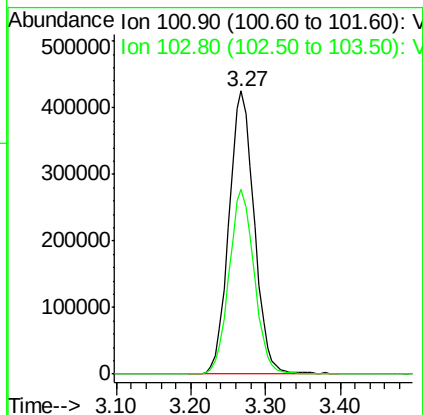
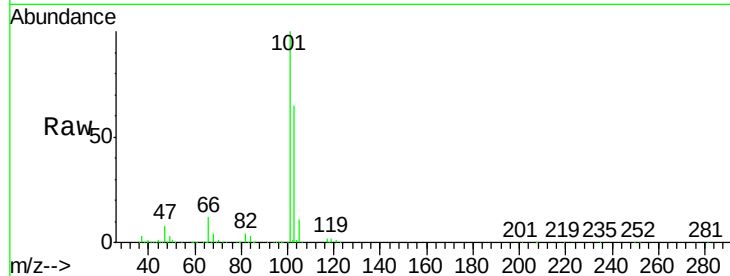


#7

Trichlorofluoromethane
Concen: 130.43 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
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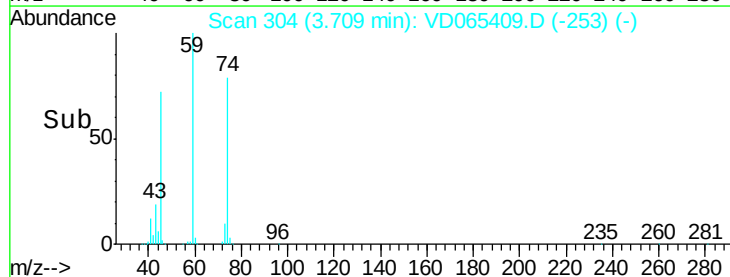
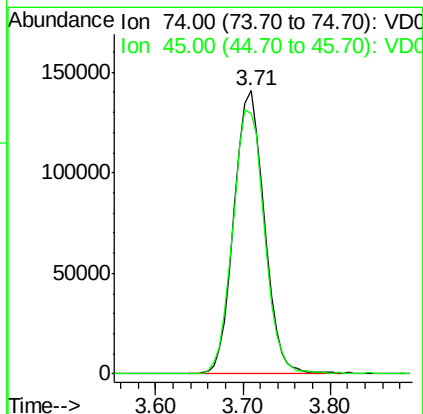
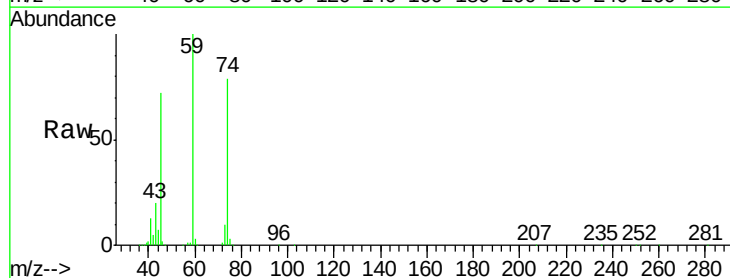
Tgt Ion: 101 Resp: 1003774
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

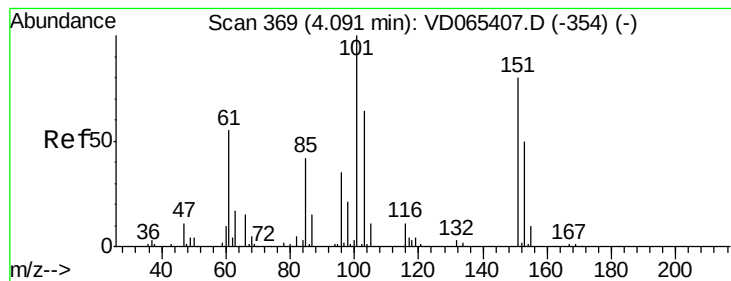


#8

Diethyl Ether
Concen: 143.81 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 74 Resp: 330457
Ion Ratio Lower Upper
74 100
45 96.8 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.37 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

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VSTDIC150

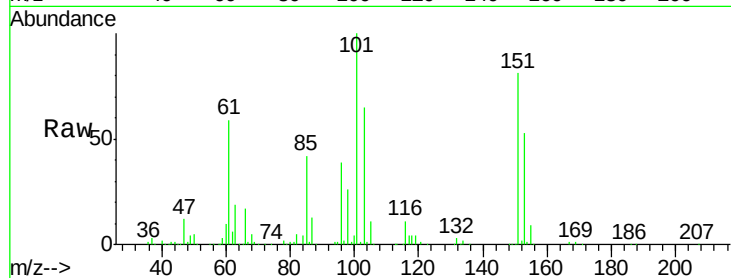
Tgt Ion:101 Resp: 650752

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.2

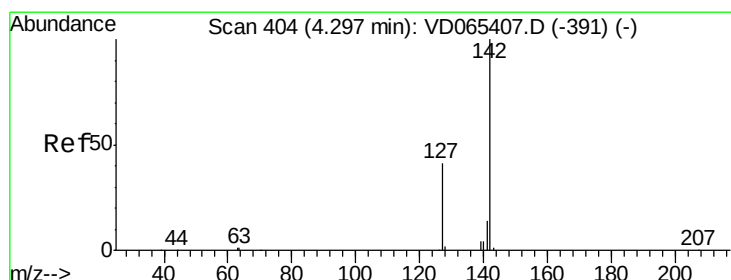
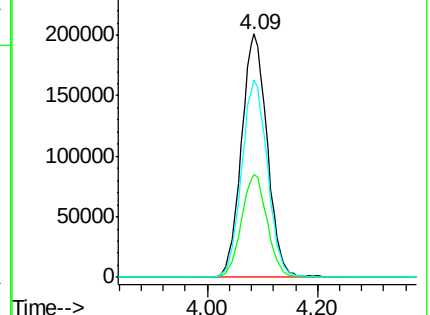
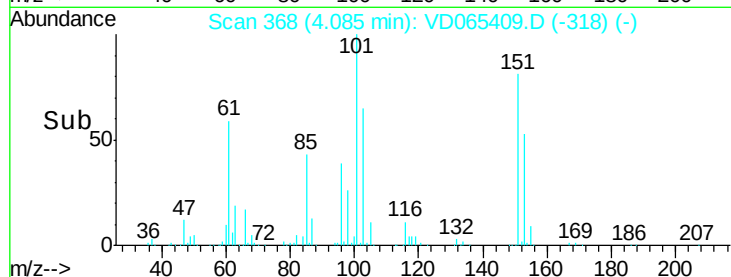
151 81.0 65.1 97.7



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: 160.24 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

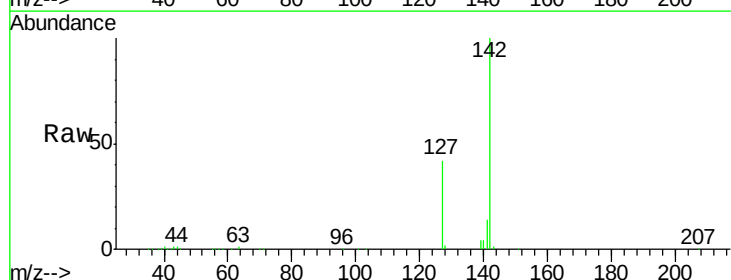
Tgt Ion:142 Resp: 819549

Ion Ratio Lower Upper

142 100

127 41.4 35.0 52.6

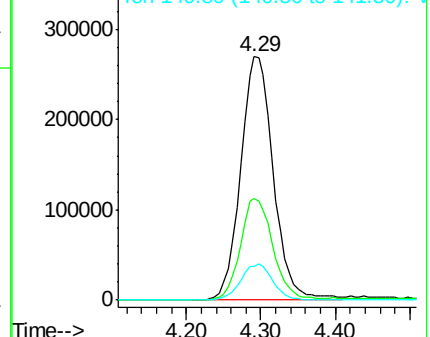
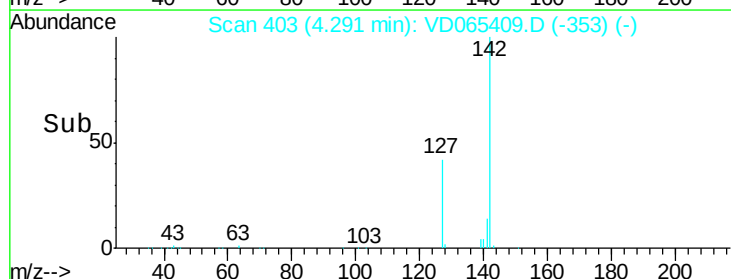
141 14.7 12.4 18.6

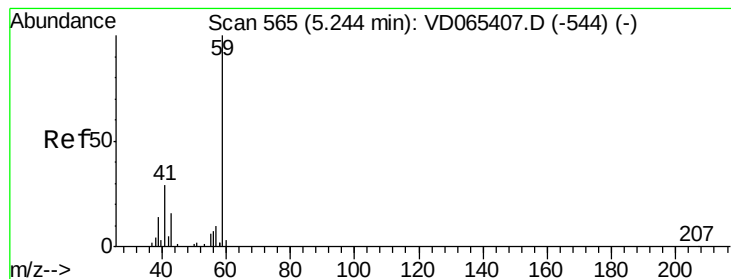


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 862.22 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

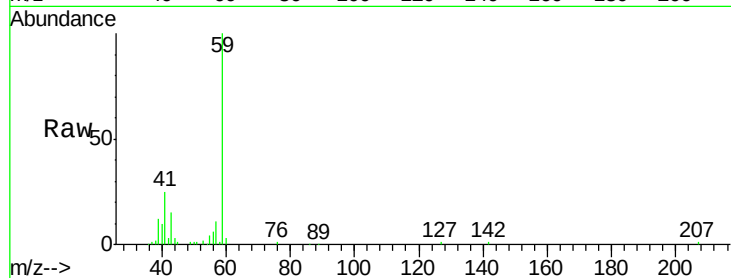
VSTDIC150

Tgt Ion: 59 Resp: 204396

Ion Ratio Lower Upper

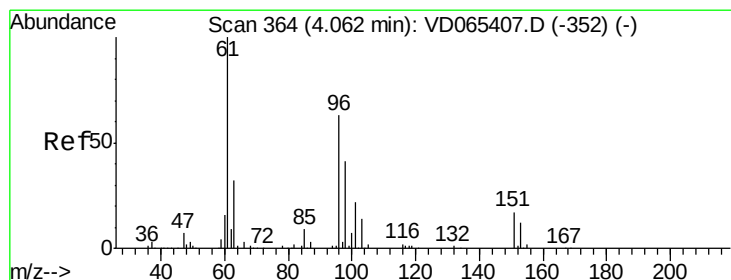
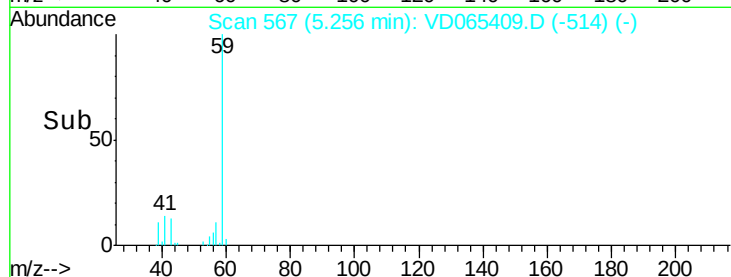
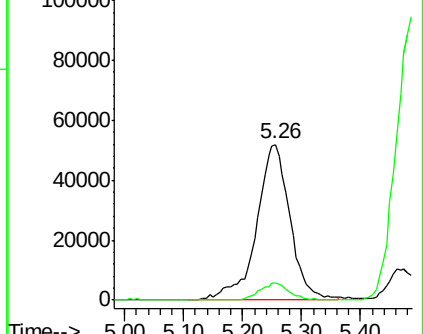
59 100

57 9.8 6.9 10.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 135.20 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

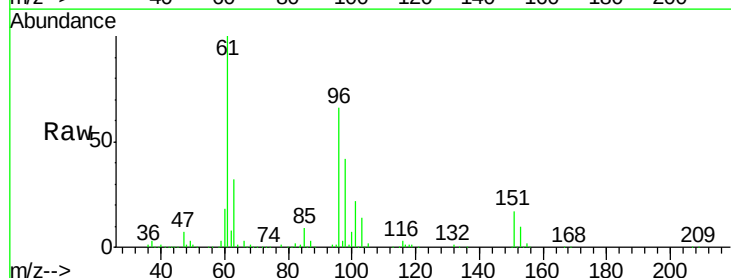
Tgt Ion: 96 Resp: 640803

Ion Ratio Lower Upper

96 100

61 151.4 128.0 192.0

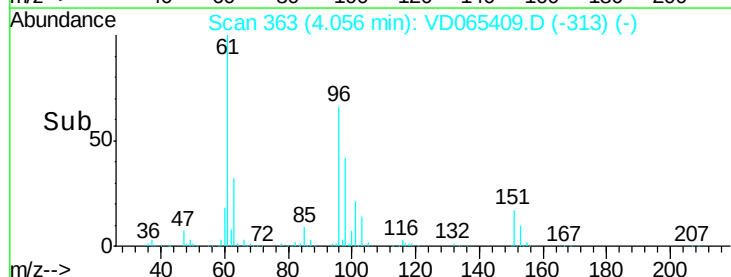
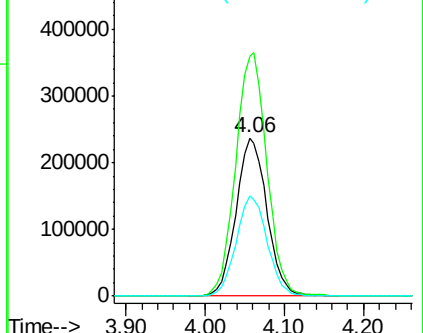
98 63.3 51.9 77.9

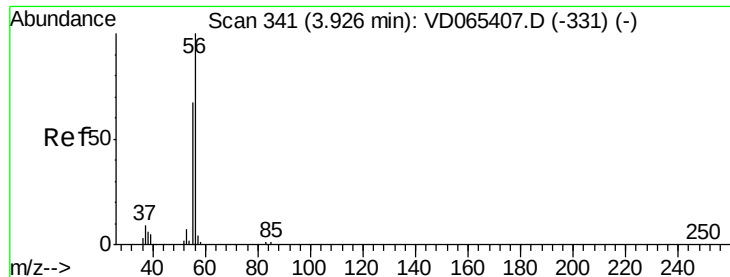


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 772.77 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

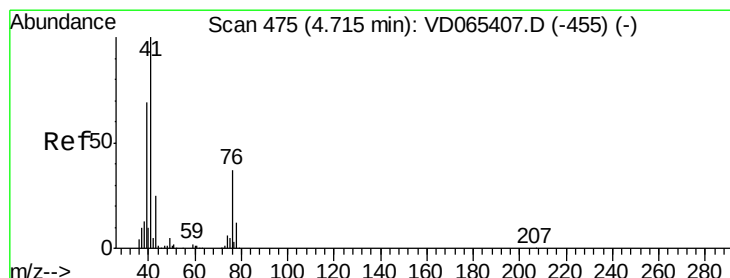
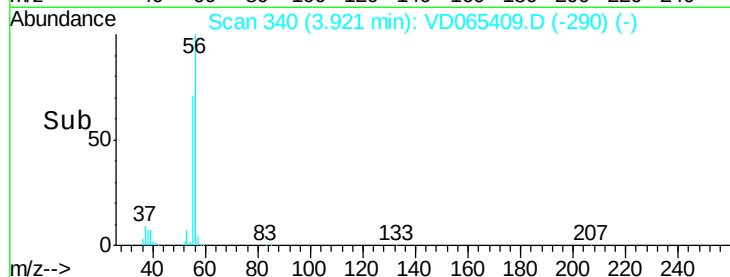
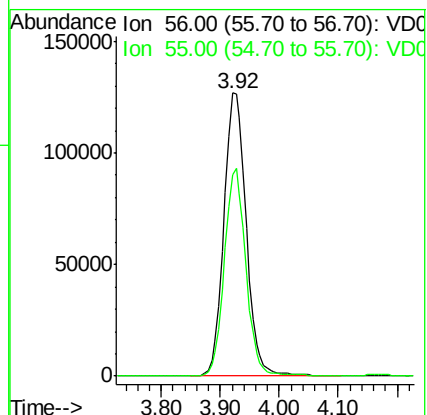
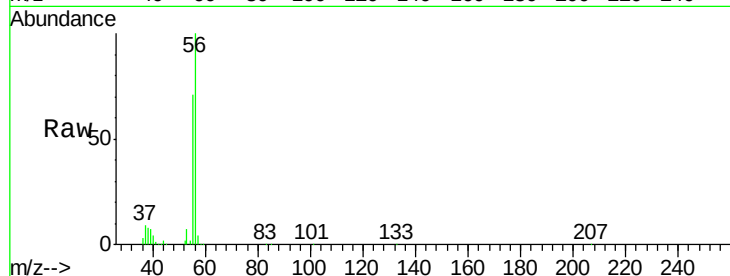
VSTDIC150

Tgt Ion: 56 Resp: 334219

Ion Ratio Lower Upper

56 100

55 70.4 56.6 85.0



#14

Allyl chloride

Concen: 144.70 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

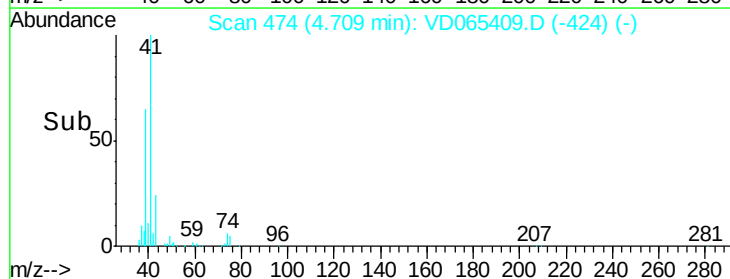
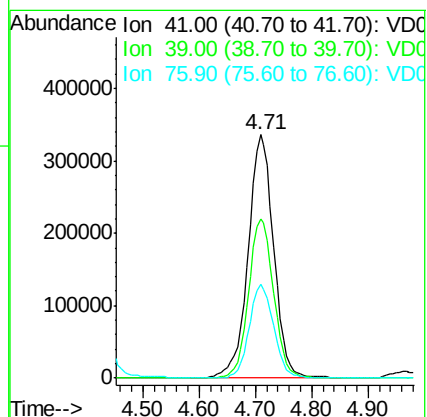
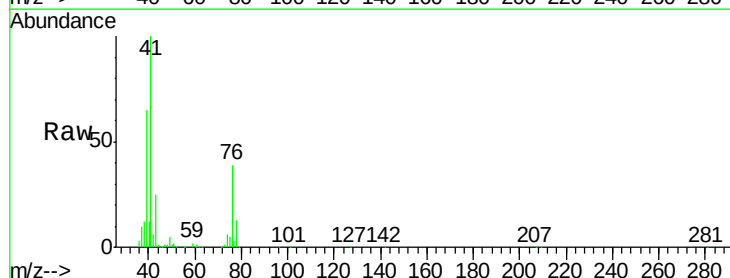
Tgt Ion: 41 Resp: 1056608

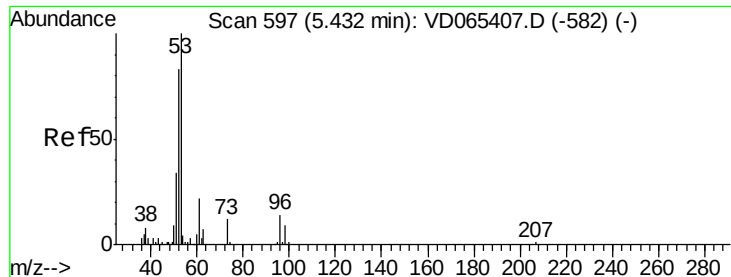
Ion Ratio Lower Upper

41 100

39 64.2 52.6 79.0

76 36.4 29.2 43.8





#15

Acrylonitrile

Concen: 780.03 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

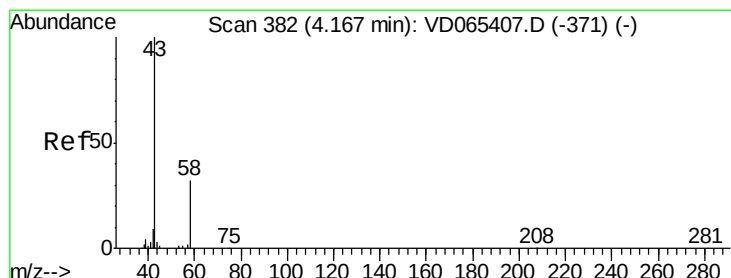
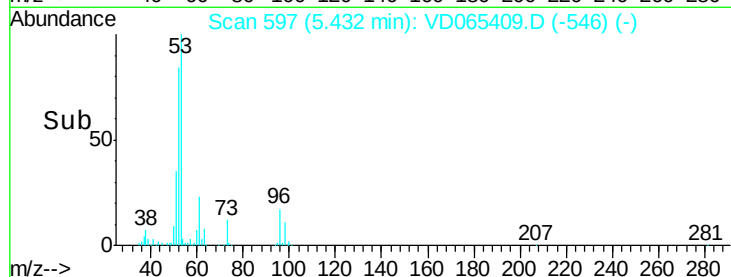
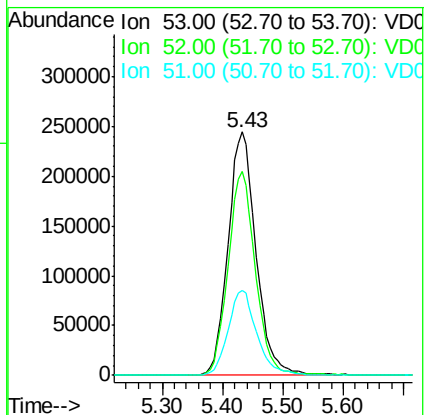
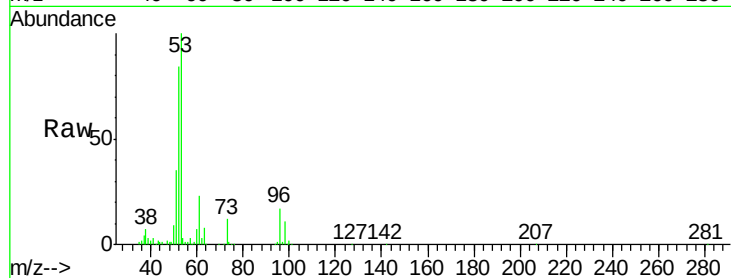
Tgt Ion: 53 Resp: 787450

Ion Ratio Lower Upper

53 100

52 81.5 65.1 97.7

51 35.7 28.5 42.7



#16

Acetone

Concen: 736.24 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065409.D

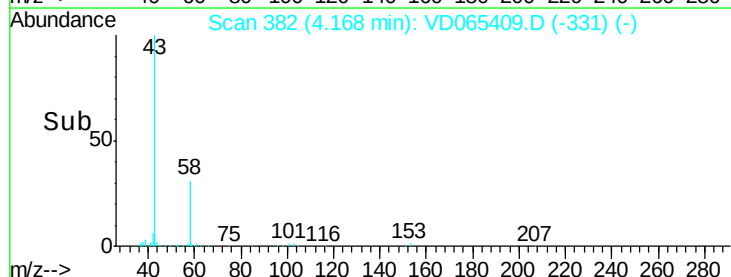
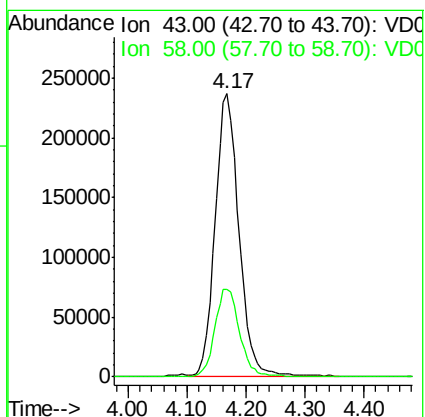
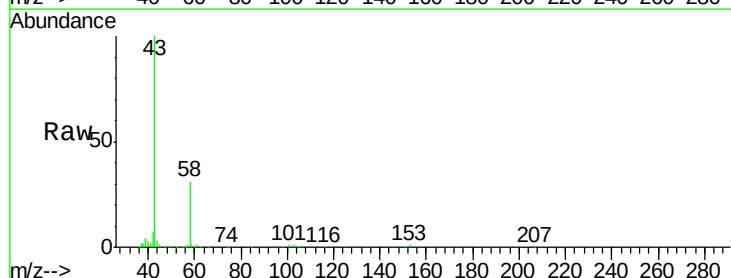
Acq: 04 Mar 2020 12:55

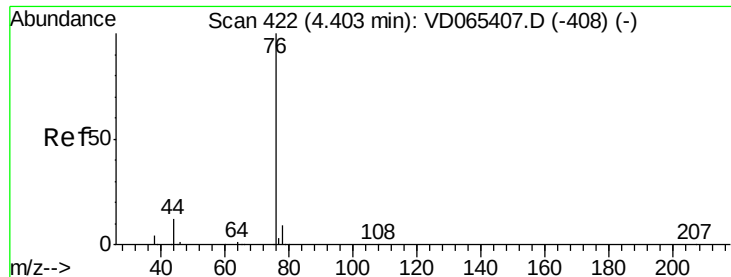
Tgt Ion: 43 Resp: 658242

Ion Ratio Lower Upper

43 100

58 31.0 25.1 37.7





#17

Carbon Disulfide

Concen: 135.01 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

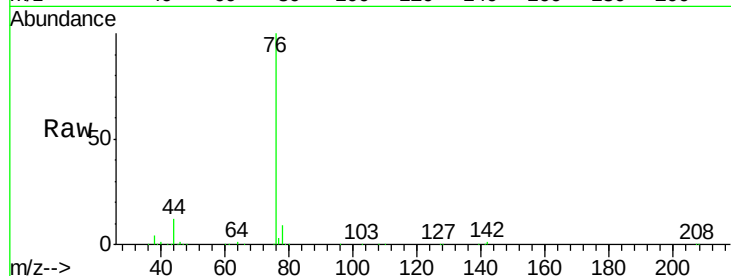
VSTDIC150

Tgt Ion: 76 Resp: 2136274

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

800000

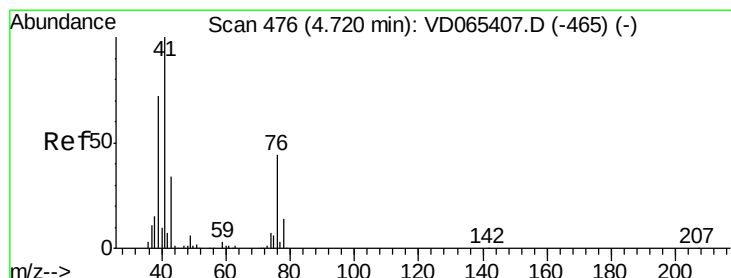
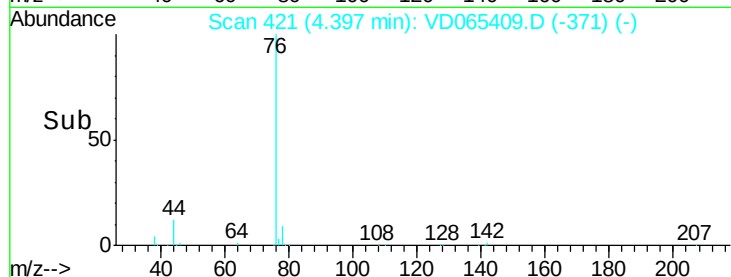
600000

400000

200000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 150.66 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065409.D

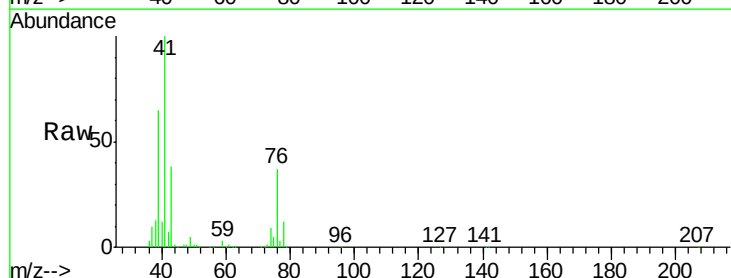
Acq: 04 Mar 2020 12:55

Tgt Ion: 43 Resp: 344362

Ion Ratio Lower Upper

43 100

74 24.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

120000

100000

80000

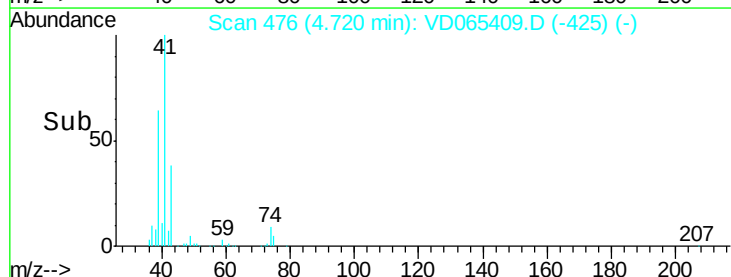
60000

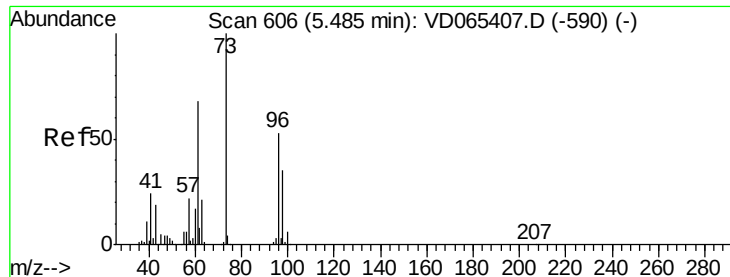
40000

20000

0

Time--> 4.60 4.70 4.80 4.90



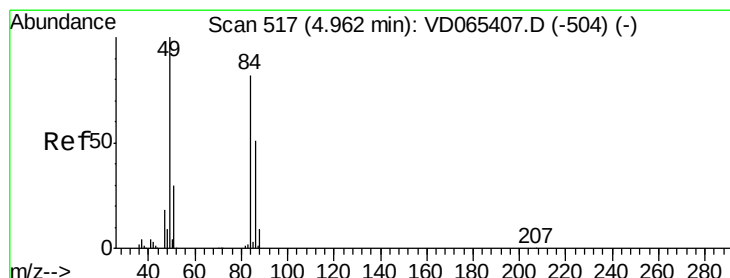
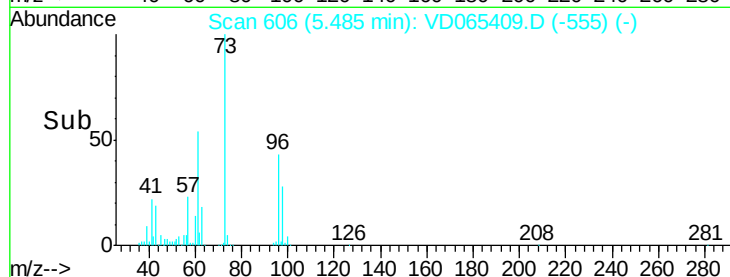
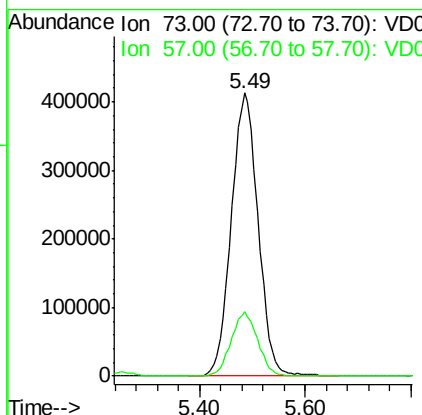
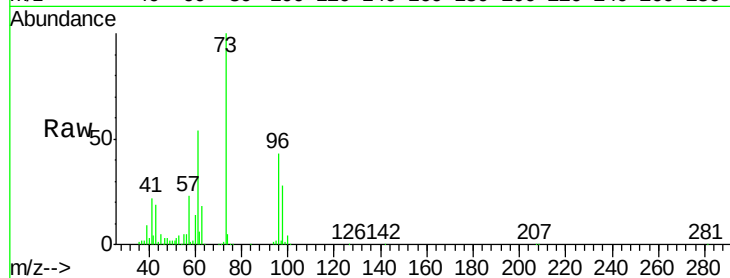


#19

Methyl tert-butyl Ether
 Concen: 157.68 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

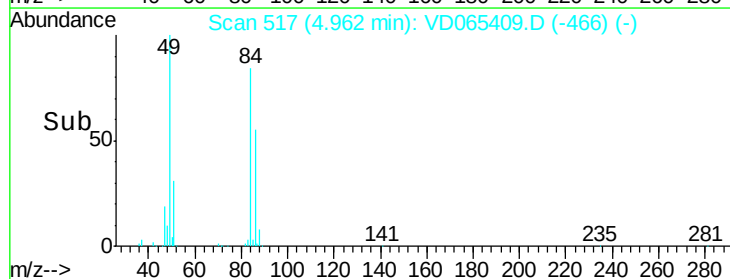
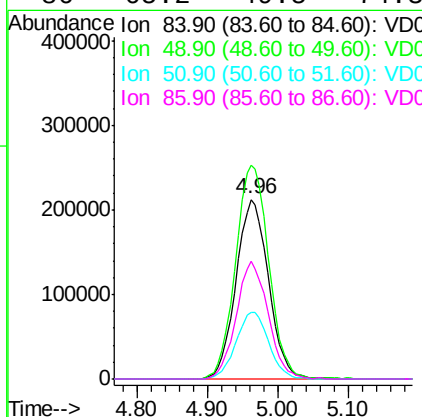
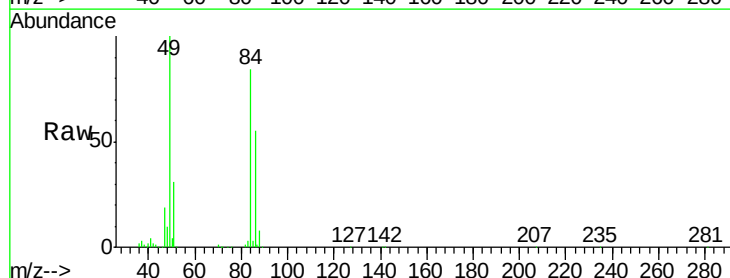
Tgt Ion: 73 Resp: 1452742
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.3 25.9

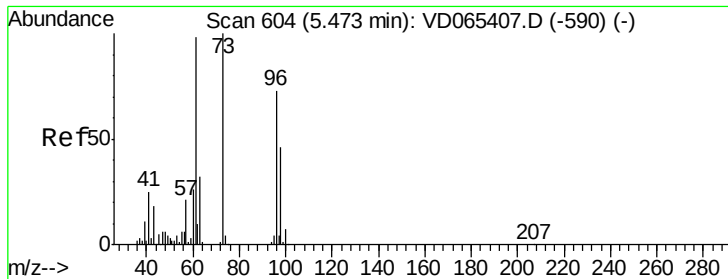


#20

Methylene Chloride
 Concen: 123.20 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 84 Resp: 682853
 Ion Ratio Lower Upper
 84 100
 49 118.9 97.7 146.5
 51 37.4 28.8 43.2
 86 65.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 137.93 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

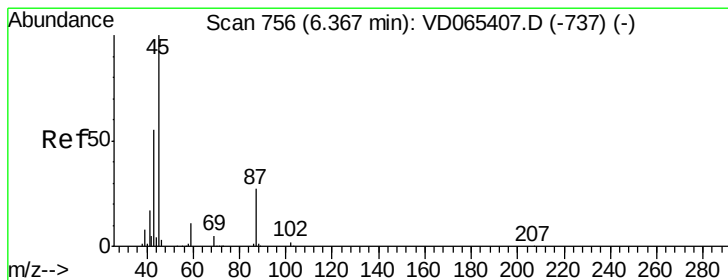
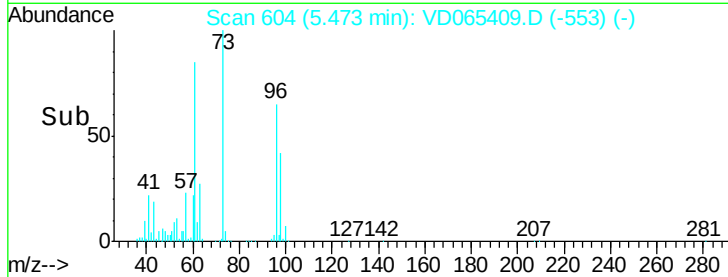
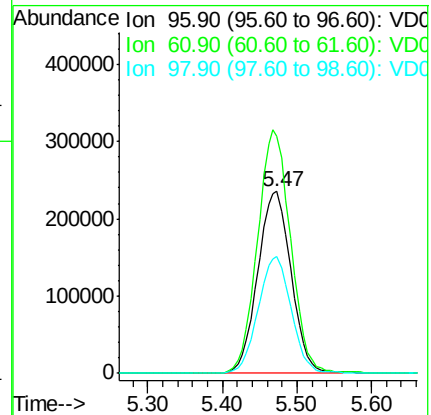
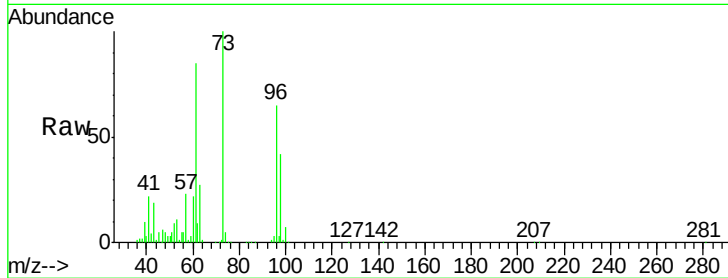
Tgt Ion: 96 Resp: 729267

Ion Ratio Lower Upper

96 100

61 130.5 106.3 159.5

98 64.3 50.2 75.4



#22

Diisopropyl ether

Concen: 145.94 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion: 45 Resp: 1999736

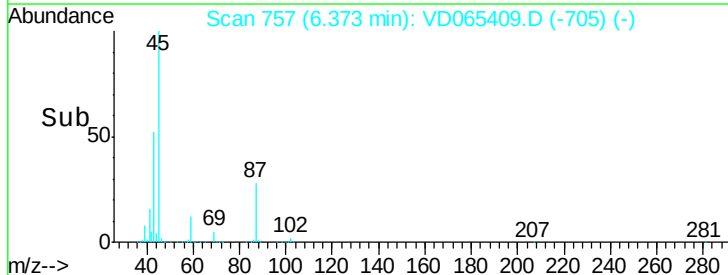
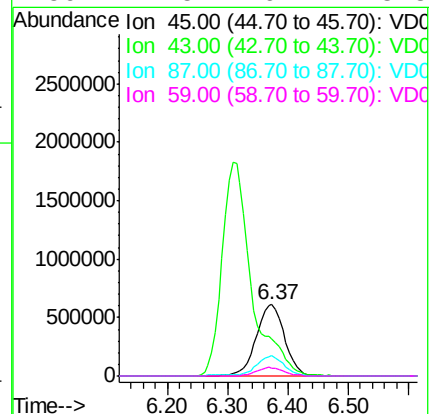
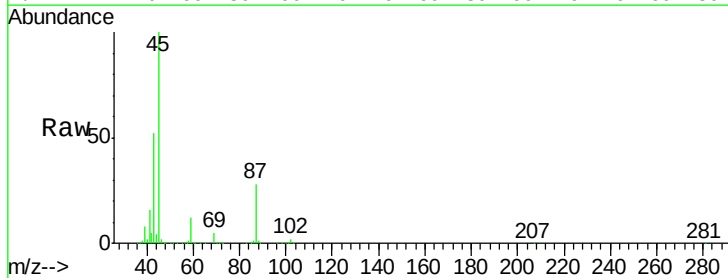
Ion Ratio Lower Upper

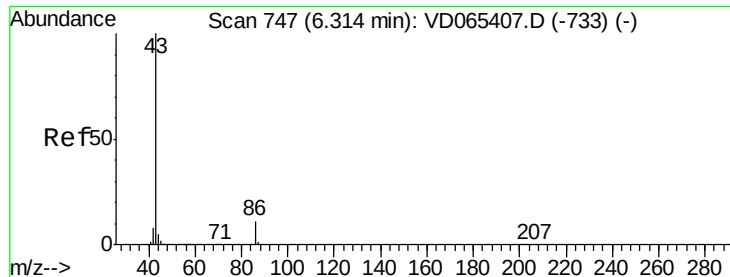
45 100

43 51.5 44.4 66.6

87 27.9 21.9 32.9

59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 817.24 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

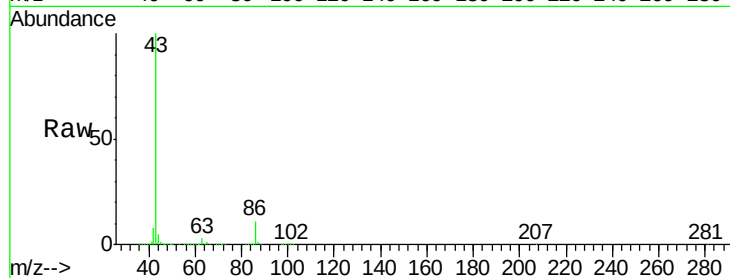
VSTDIC150

Tgt Ion: 43 Resp: 6210331

Ion Ratio Lower Upper

43 100

86 10.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

2000000

1500000

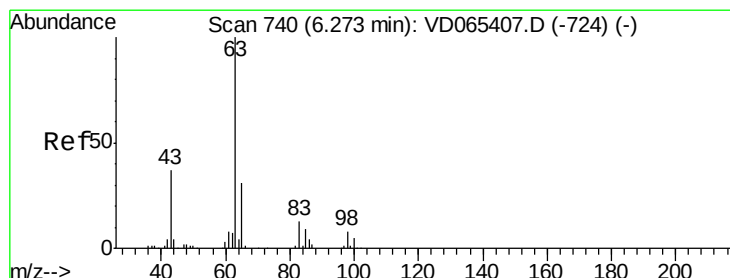
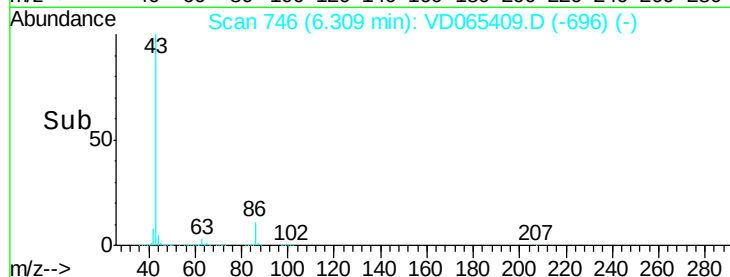
1000000

500000

0

Time-->

6.20 6.40 6.60



#24

1,1-Dichloroethane

Concen: 137.92 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

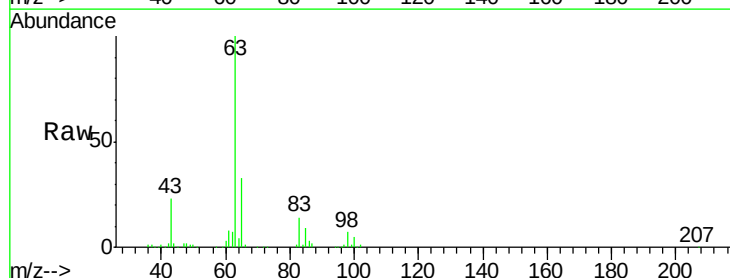
Tgt Ion: 63 Resp: 1200419

Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

100 4.7 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

6.27

500000

400000

300000

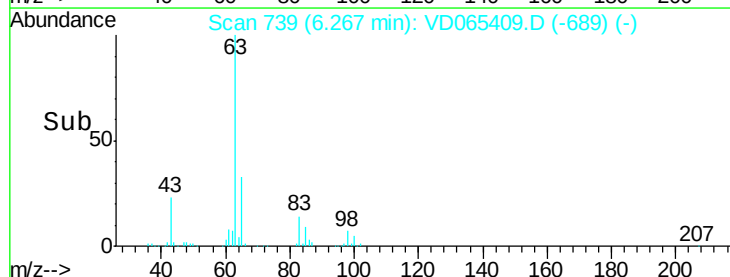
200000

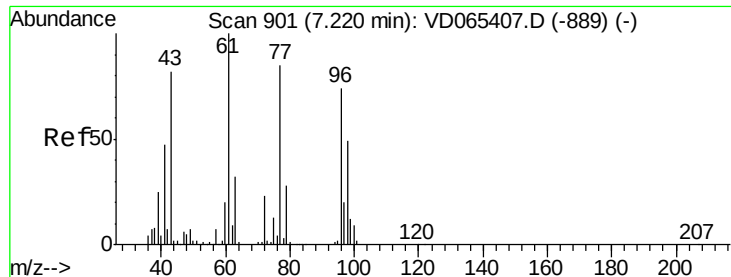
100000

0

Time-->

6.20 6.40





#25

2-Butanone

Concen: 802.00 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

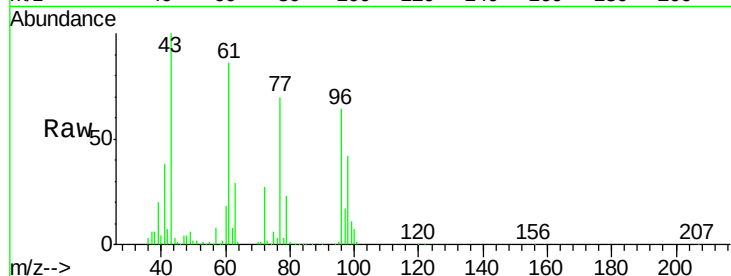
VSTDIC150

Tgt Ion: 43 Resp: 980997

Ion Ratio Lower Upper

43 100

72 27.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

400000

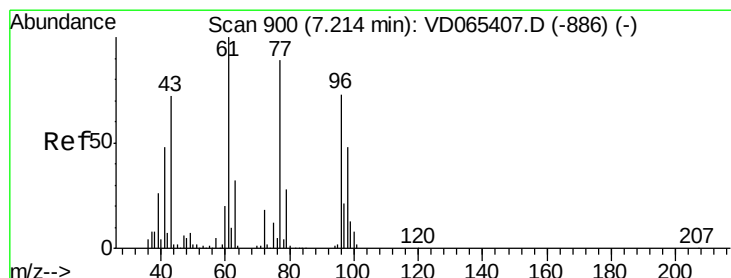
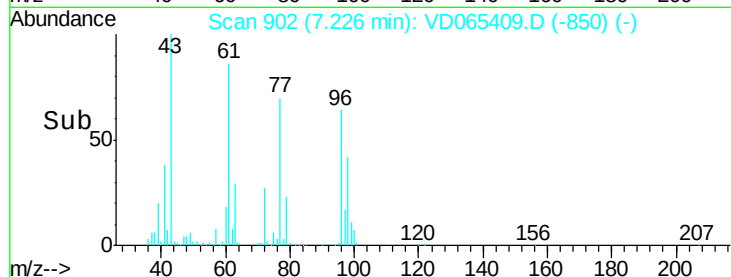
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 136.33 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065409.D

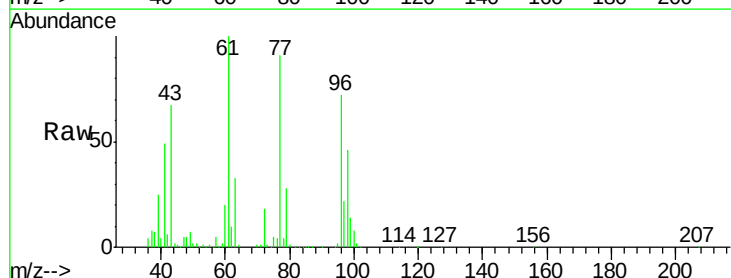
Acq: 04 Mar 2020 12:55

Tgt Ion: 77 Resp: 1037118

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

400000

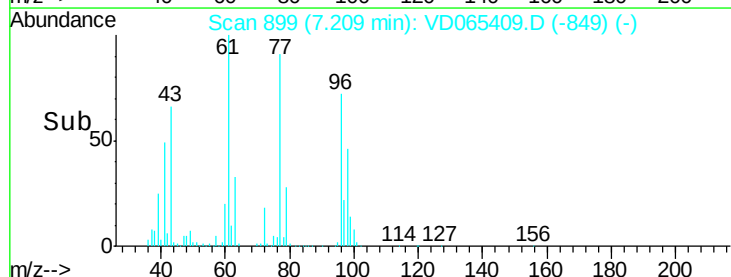
300000

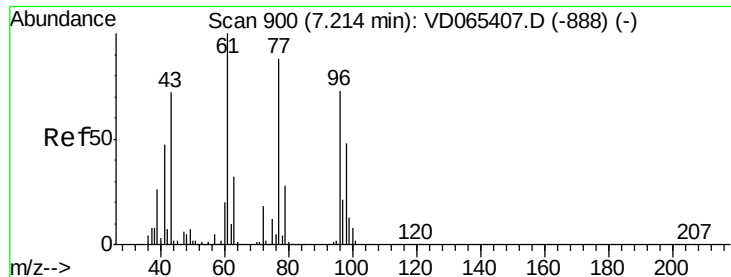
200000

100000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 143.79 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

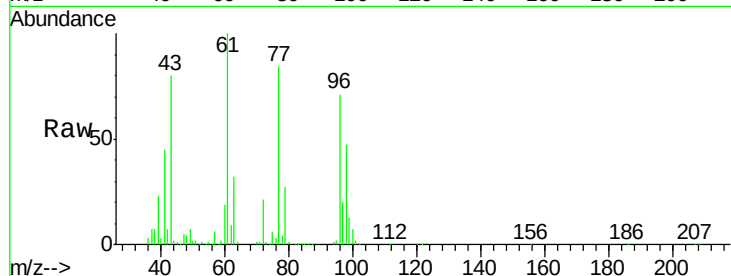
Tgt Ion: 96 Resp: 779589

Ion Ratio Lower Upper

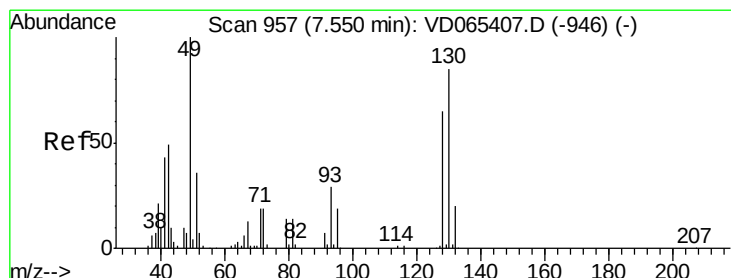
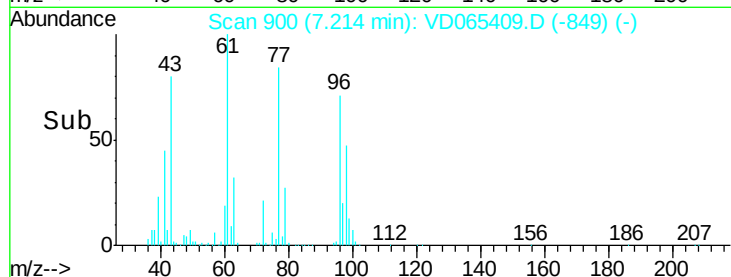
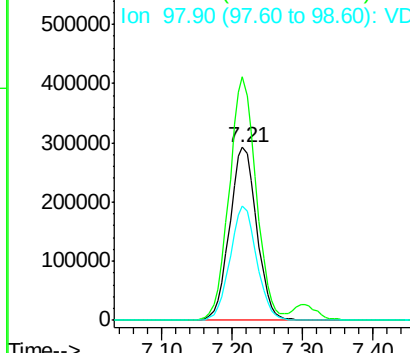
96 100

61 139.3 0.0 280.4

98 65.0 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: 143.06 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

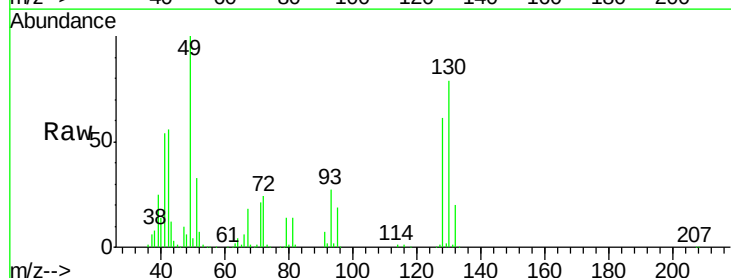
Tgt Ion: 49 Resp: 505105

Ion Ratio Lower Upper

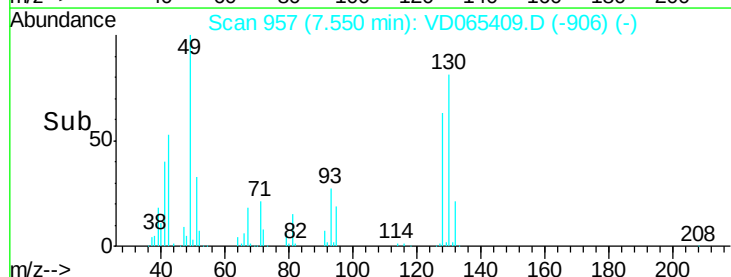
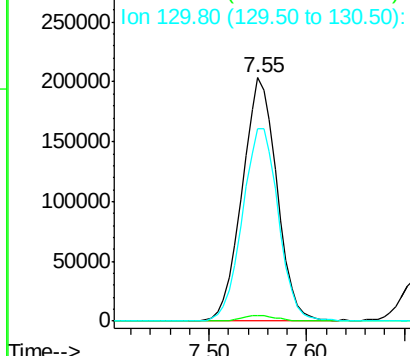
49 100

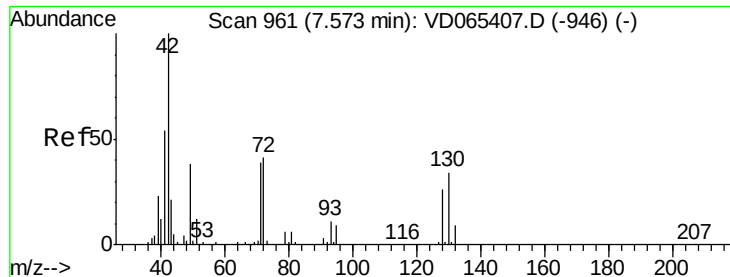
129 2.3 0.0 4.6

130 82.0 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

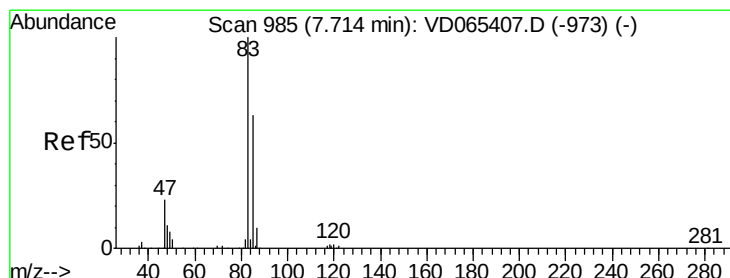
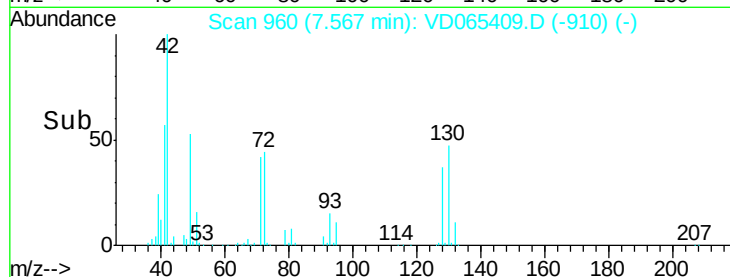
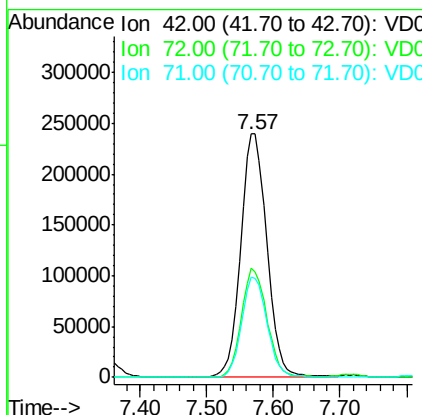
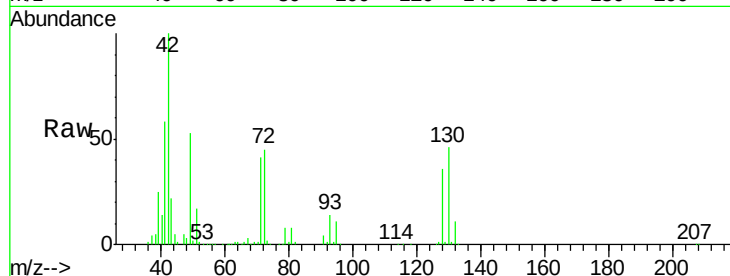




#29
Tetrahydrofuran
Concen: 824.96 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

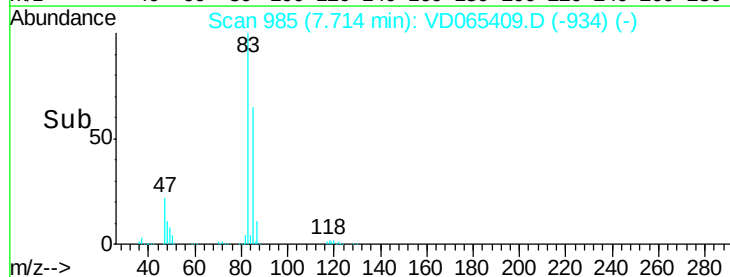
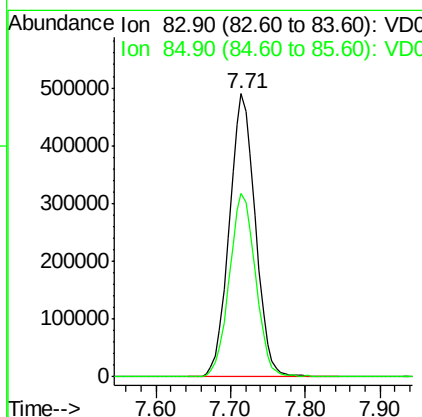
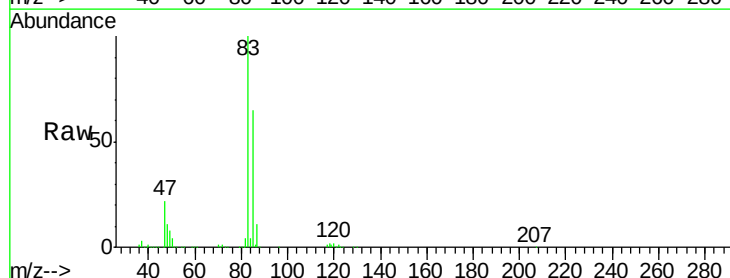
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

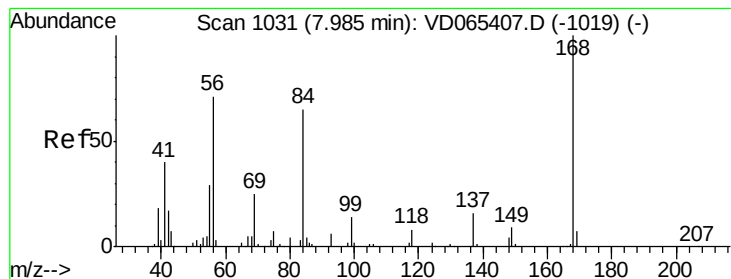
Tgt Ion: 42 Resp: 648225
Ion Ratio Lower Upper
42 100
72 43.2 33.0 49.6
71 39.8 32.0 48.0



#30
Chloroform
Concen: 135.65 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 83 Resp: 1187320
Ion Ratio Lower Upper
83 100
85 65.0 50.3 75.5





#31

Cyclohexane

Concen: 135.33 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

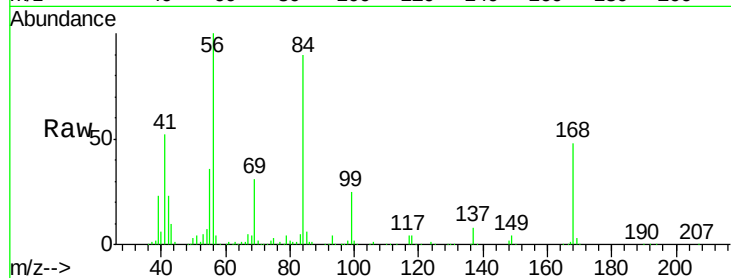
Tgt Ion: 56 Resp: 1172053

Ion Ratio Lower Upper

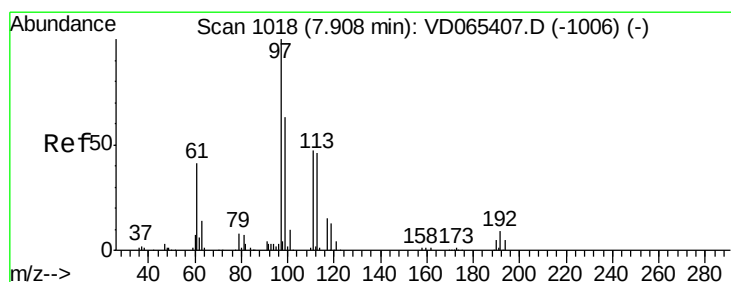
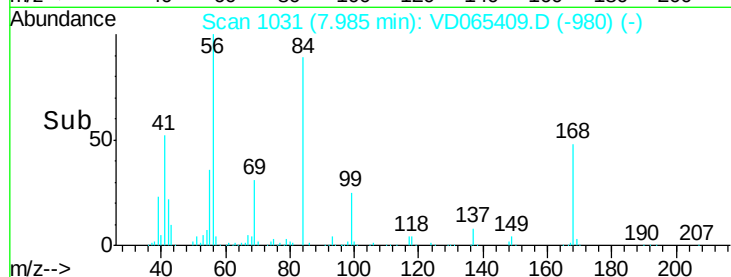
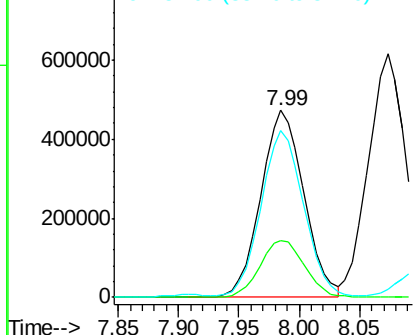
56 100

69 30.6 28.3 42.5

84 88.0 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: 134.87 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

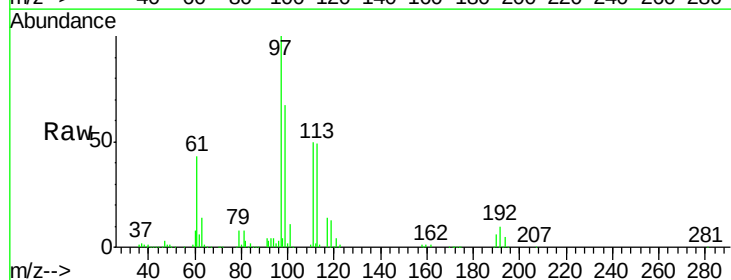
Tgt Ion: 97 Resp: 1083396

Ion Ratio Lower Upper

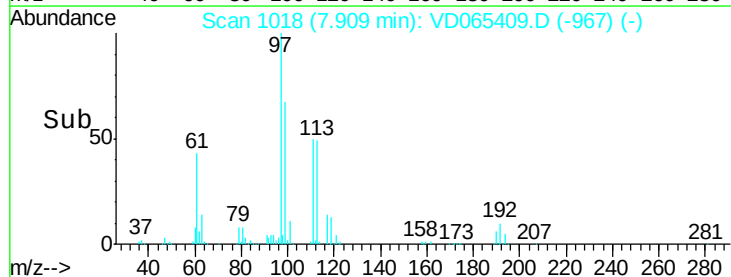
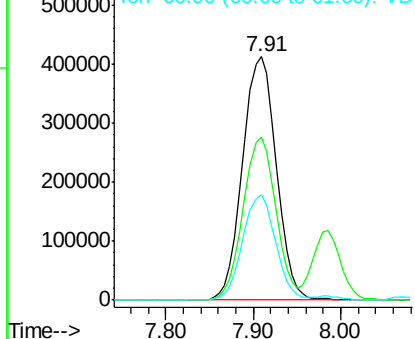
97 100

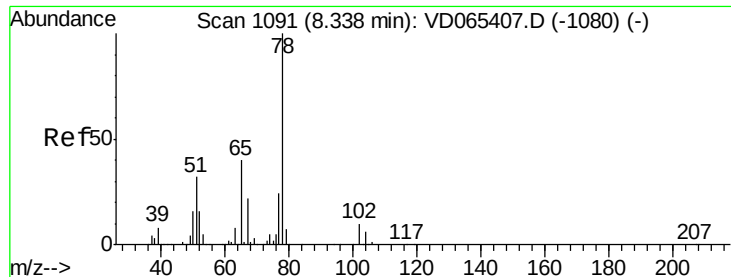
99 64.9 50.9 76.3

61 42.4 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

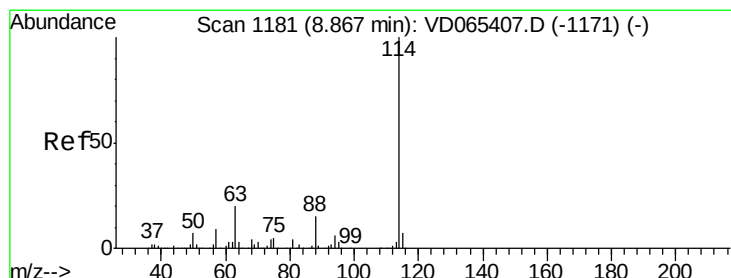
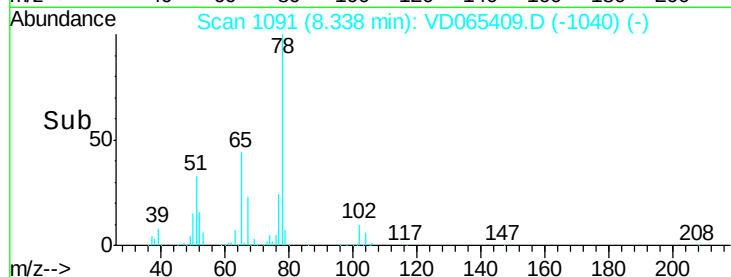
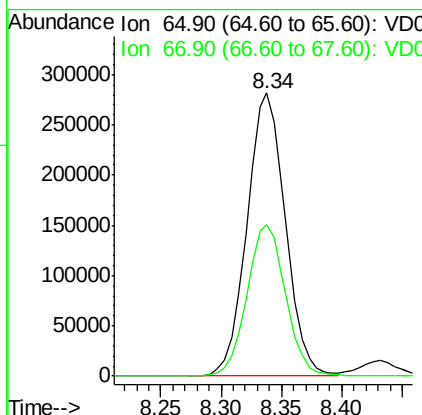
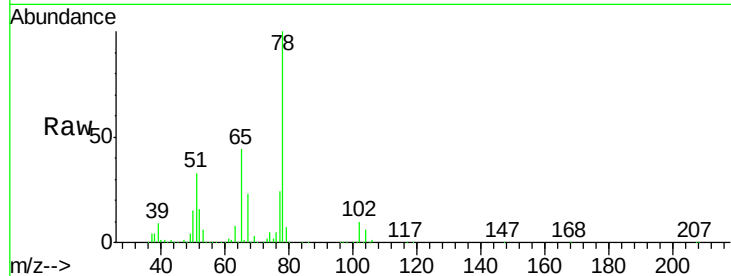




#33
 1,2-Dichloroethane-d4
 Concen: 142.51 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

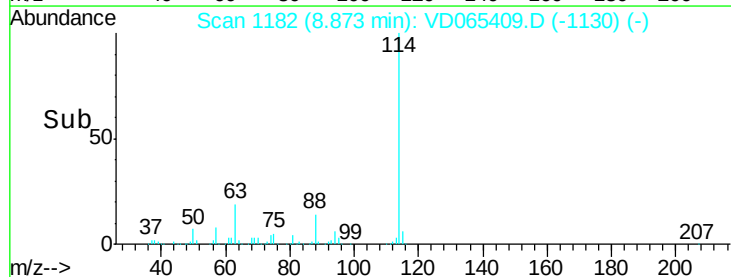
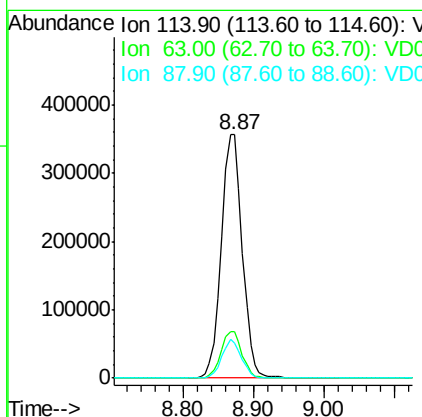
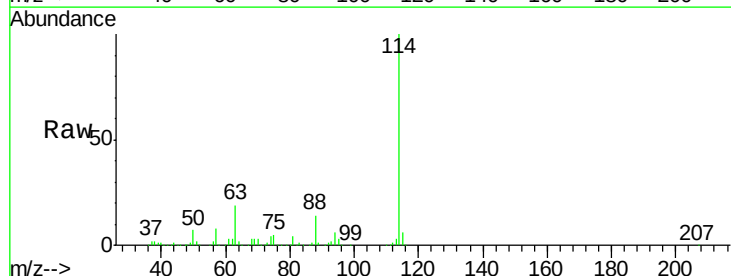
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

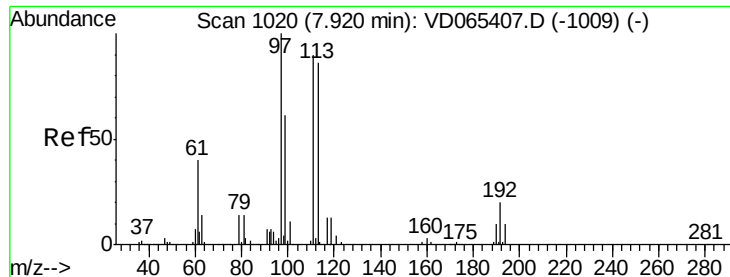
Tgt Ion: 65 Resp: 624681
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 114 Resp: 737720
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 14.3 0.0 30.4

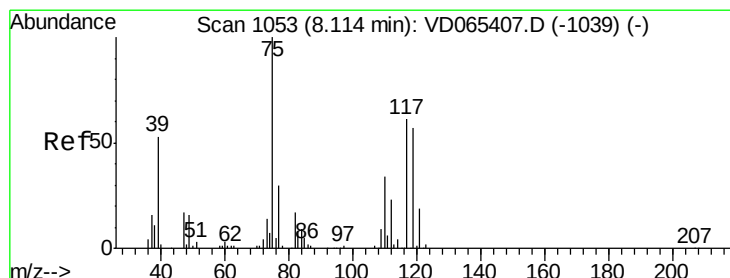
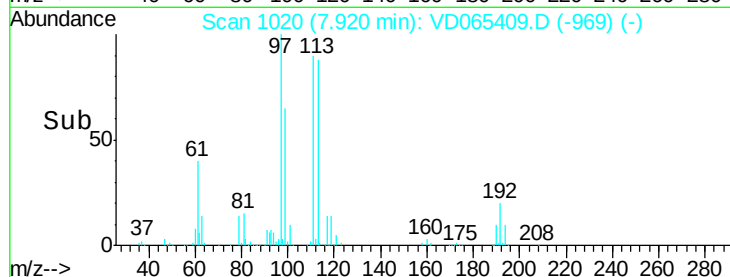
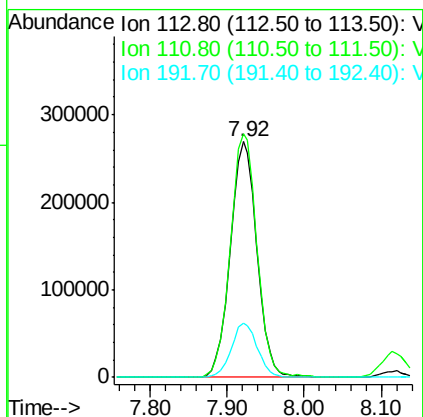
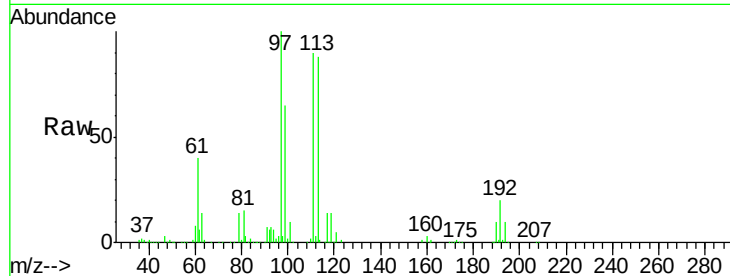




#35
 Dibromofluoromethane
 Concen: 142.33 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

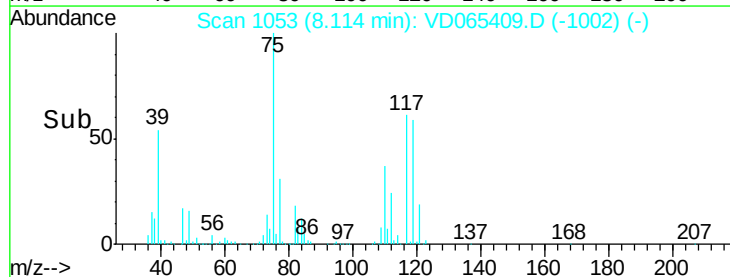
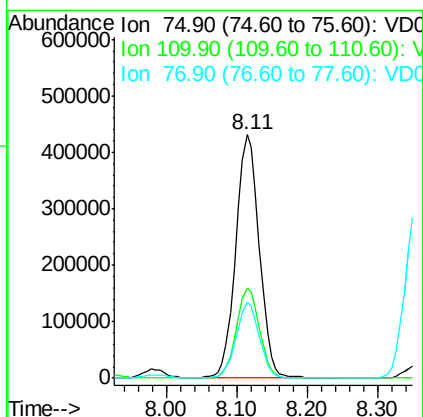
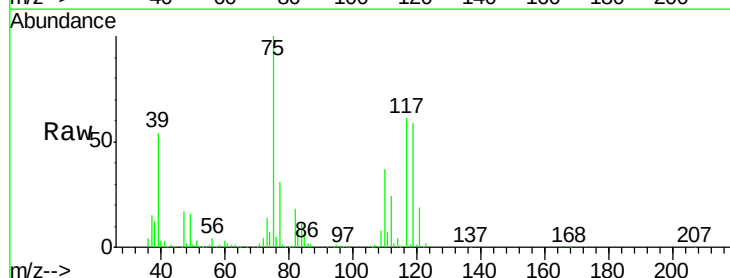
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

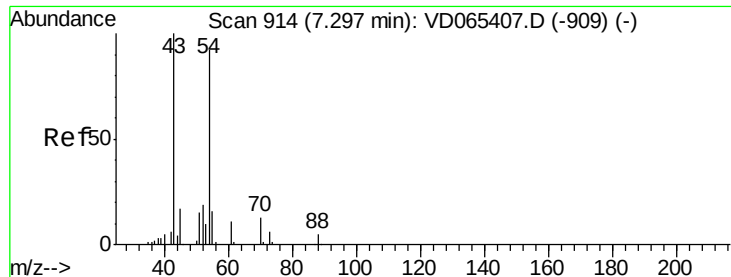
Tgt Ion: 113 Resp: 651075
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.1 123.1
 192 22.5 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 140.37 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 75 Resp: 995922
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.1
 77 30.9 25.2 37.8

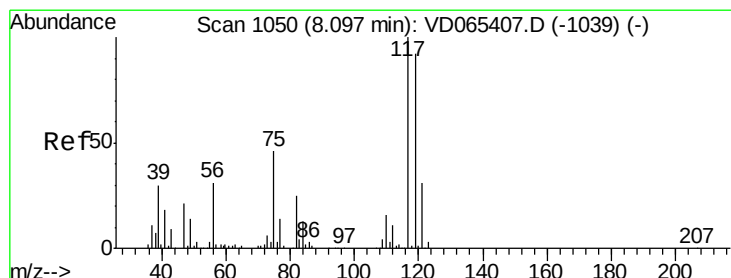
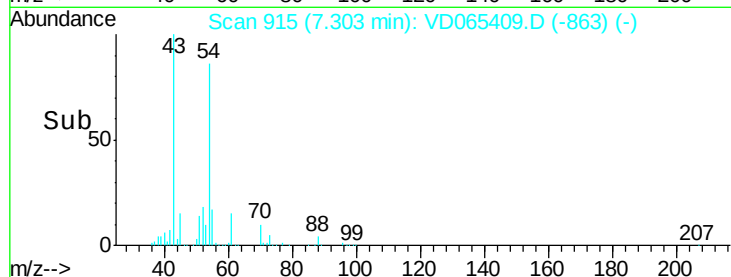
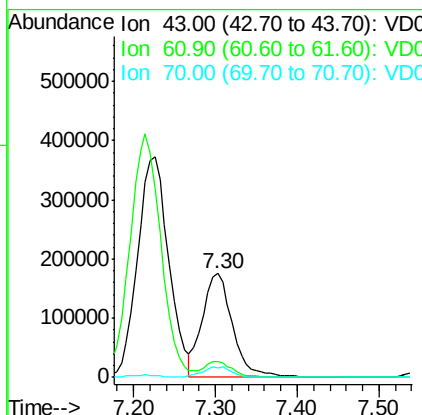
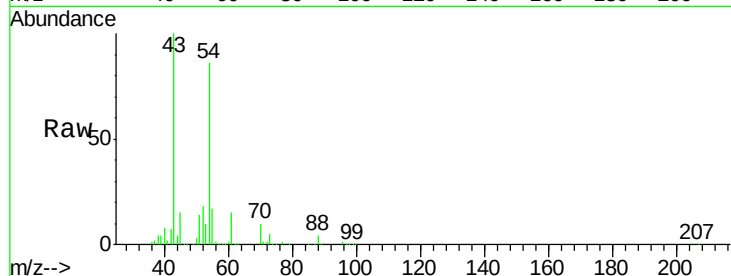




#37
Ethyl Acetate
Concen: 161.39 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

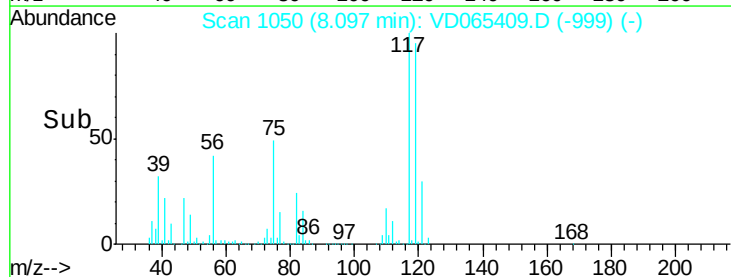
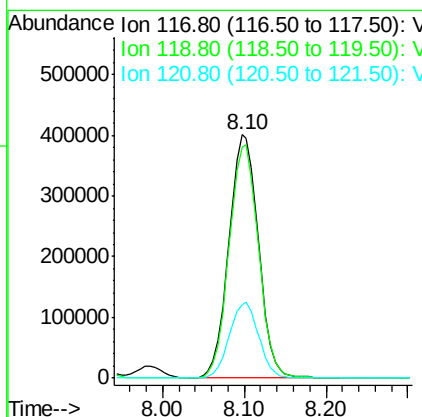
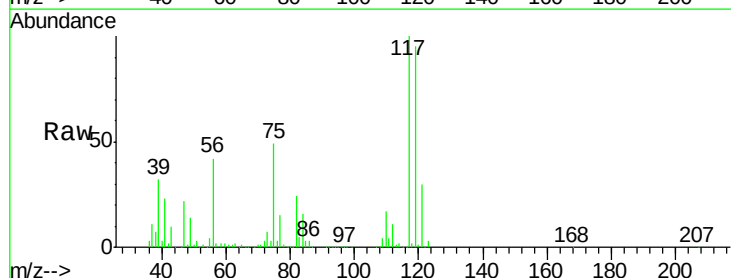
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

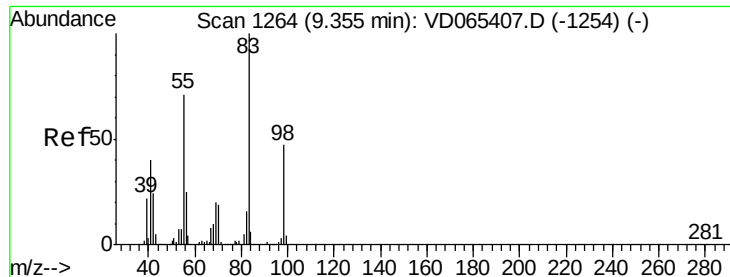
Tgt Ion: 43 Resp: 448155
Ion Ratio Lower Upper
43 100
61 13.7 11.4 17.0
70 10.0 9.0 13.4



#38
Carbon Tetrachloride
Concen: 137.03 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 117 Resp: 1003469
Ion Ratio Lower Upper
117 100
119 94.8 73.3 109.9
121 30.1 25.0 37.4

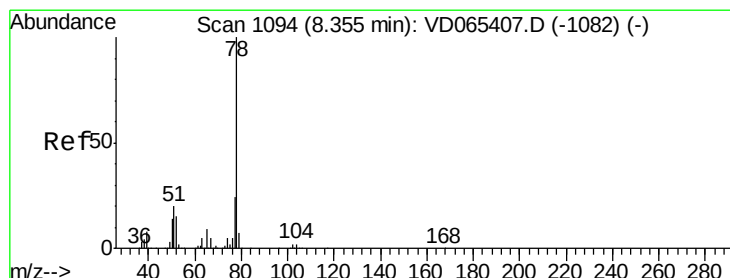
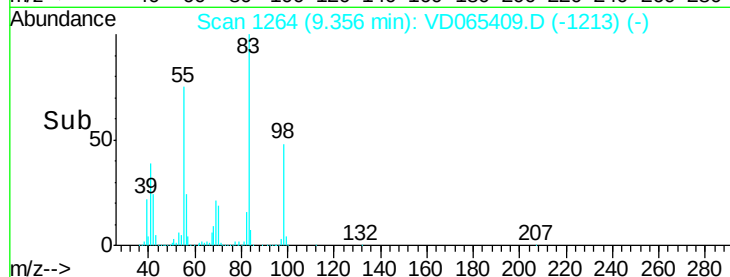
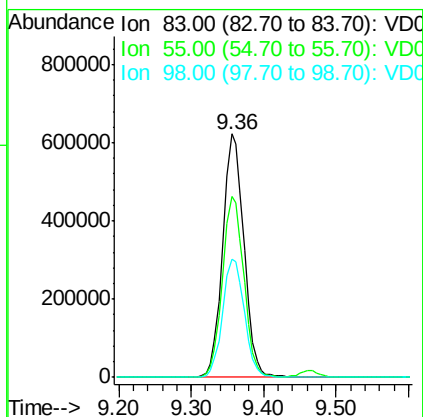
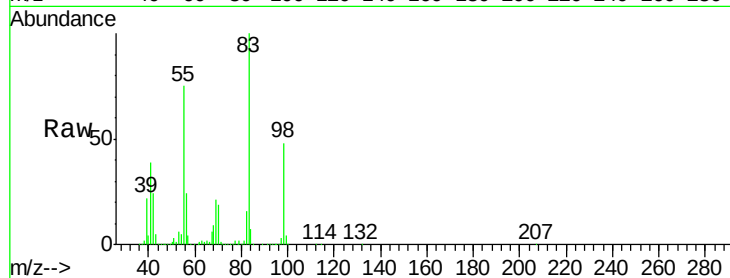




#39
Methylcyclohexane
Concen: 150.33 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

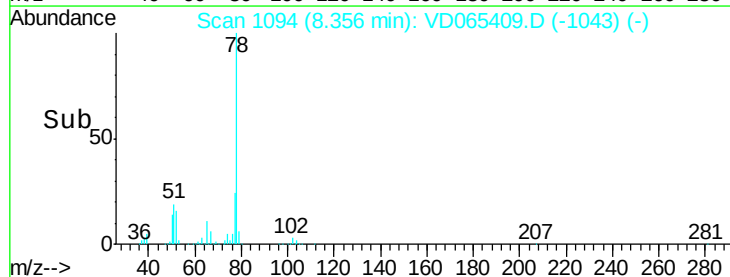
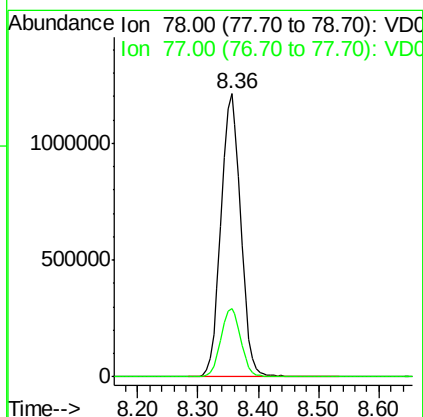
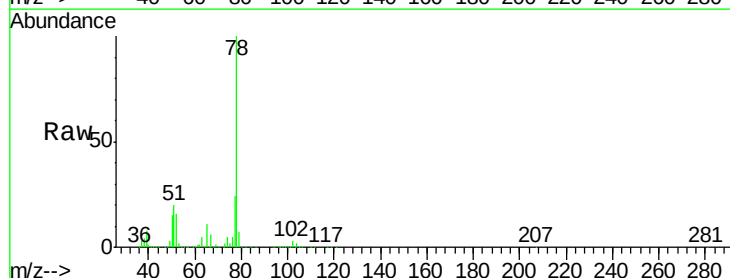
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

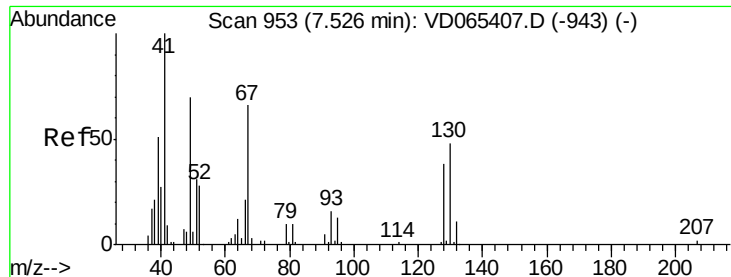
Tgt Ion: 83 Resp: 1274406
Ion Ratio Lower Upper
83 100
55 74.6 57.1 85.7
98 48.5 37.8 56.8



#40
Benzene
Concen: 138.80 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 78 Resp: 2760578
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

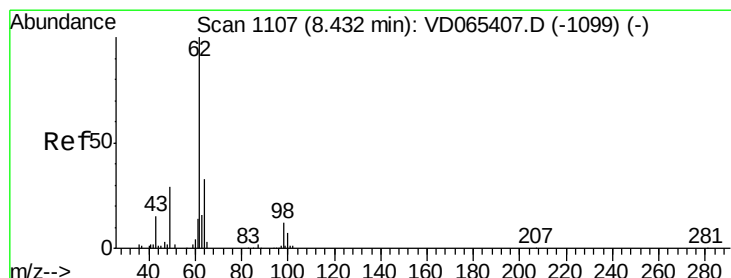
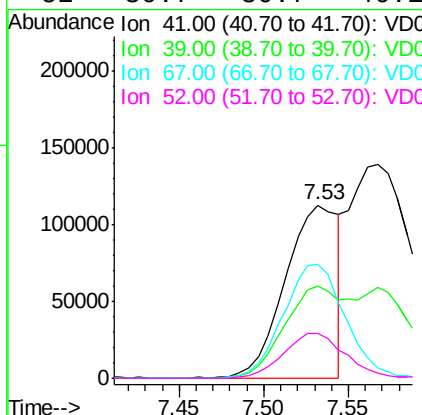
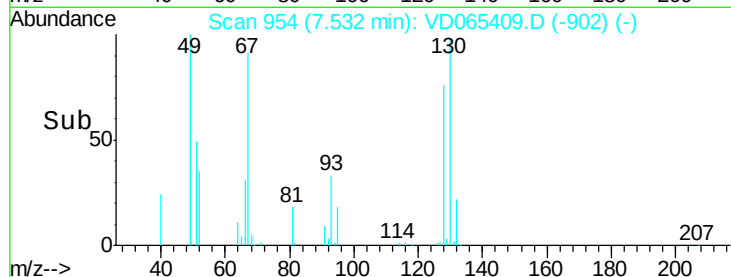
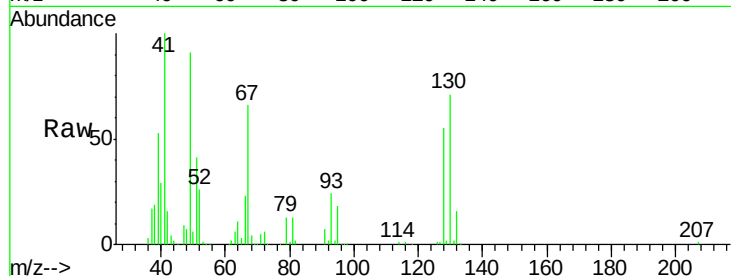




#41
Methacrylonitrile
Concen: 174.15 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

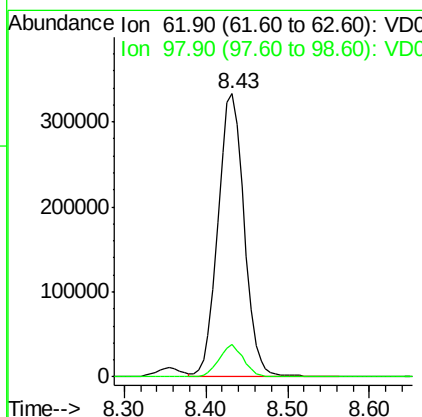
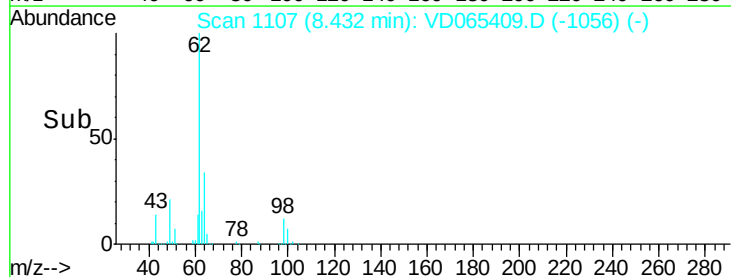
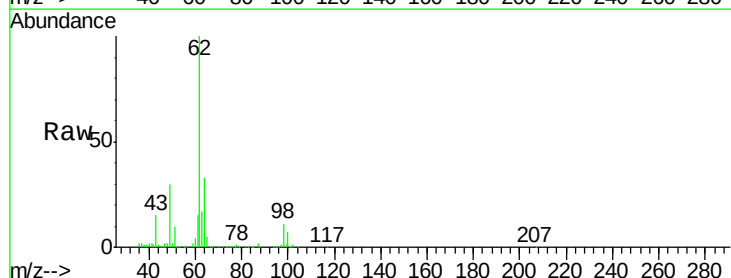
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

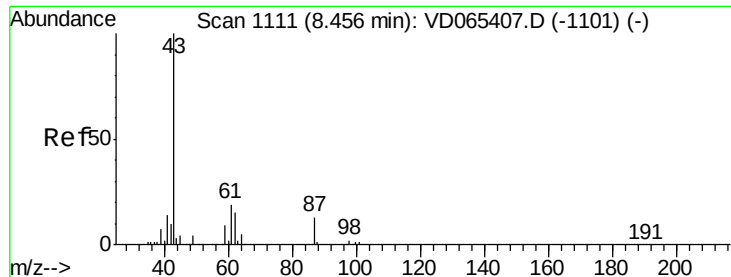
Tgt Ion: 41 Resp: 245751
Ion Ratio Lower Upper
41 100
39 67.3 55.0 82.6
67 77.6 70.3 105.5
52 30.7 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 142.09 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 62 Resp: 743586
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.4





#43

Isopropyl Acetate

Concen: 163.10 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

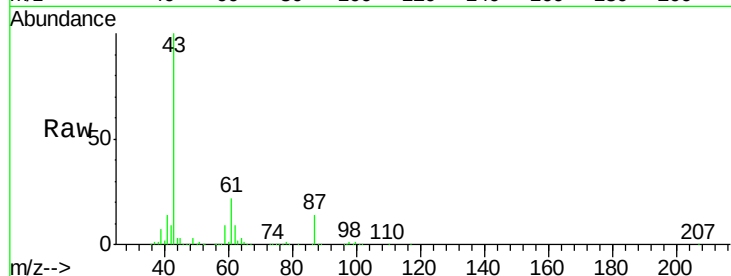
Tgt Ion: 43 Resp: 828842

Ion Ratio Lower Upper

43 100

61 30.6 25.0 37.6

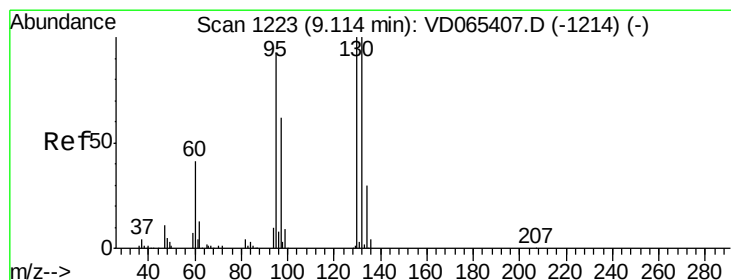
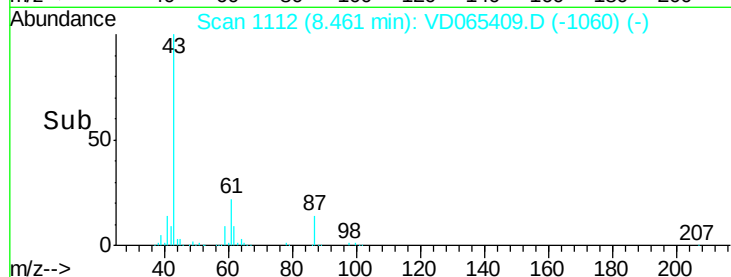
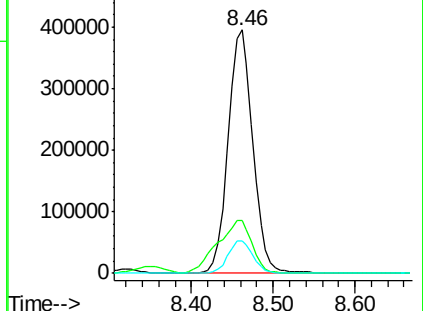
87 13.8 11.0 16.4



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: 140.92 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065409.D

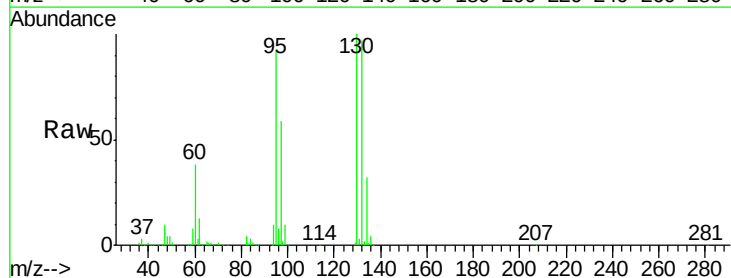
Acq: 04 Mar 2020 12:55

Tgt Ion: 130 Resp: 786771

Ion Ratio Lower Upper

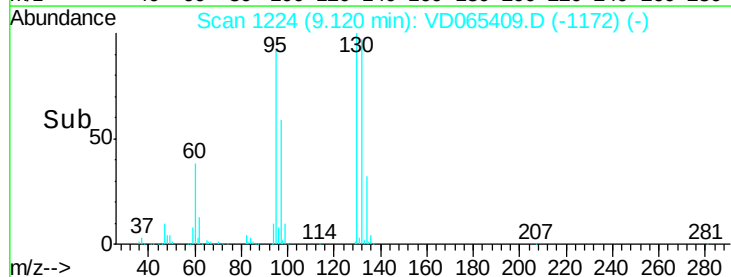
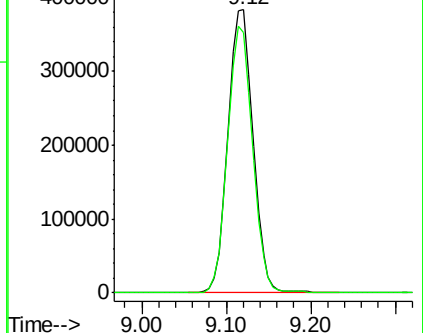
130 100

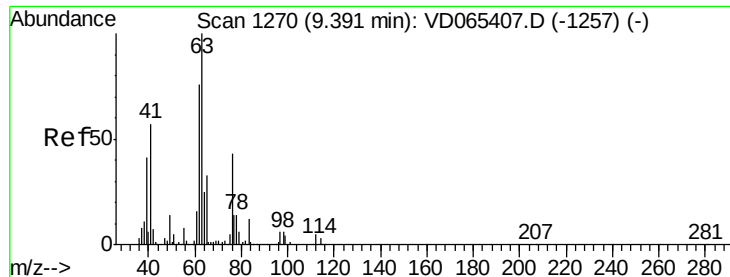
95 91.8 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

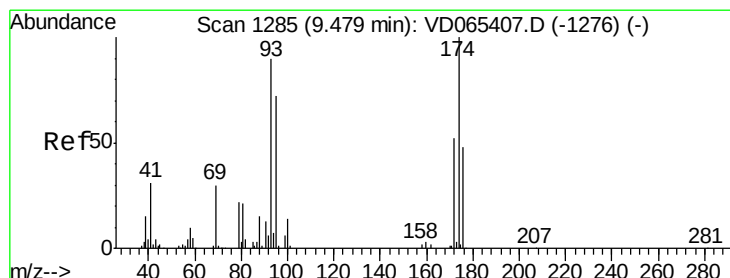
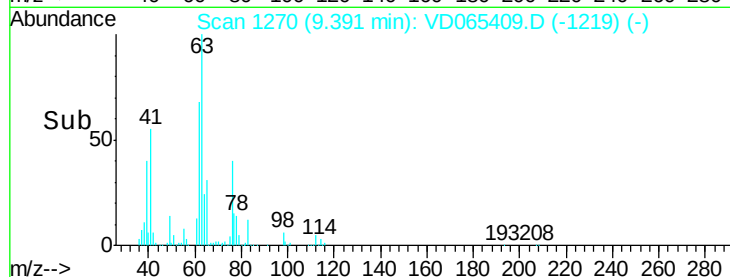
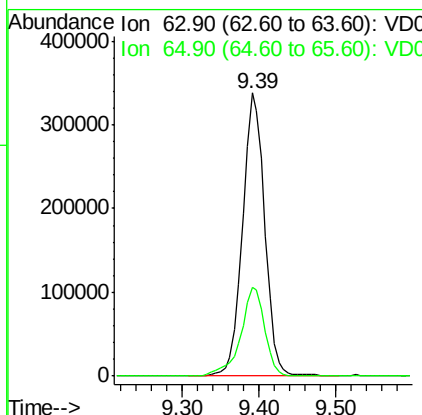
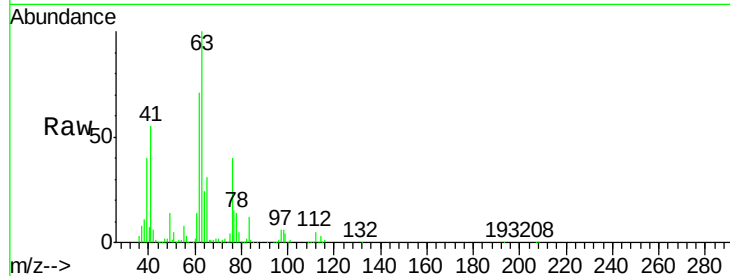




#45
 1,2-Dichloropropane
 Concen: 141.53 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

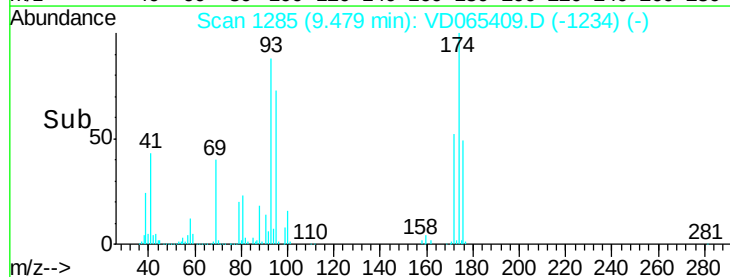
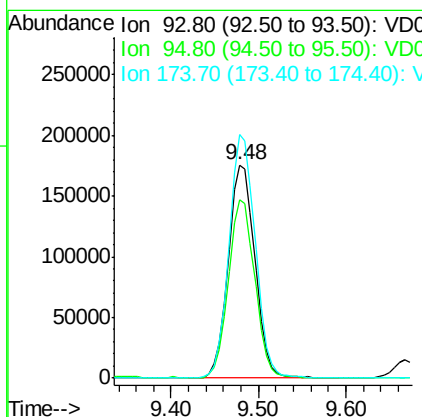
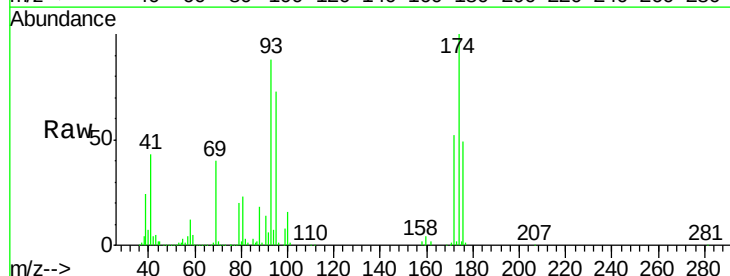
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

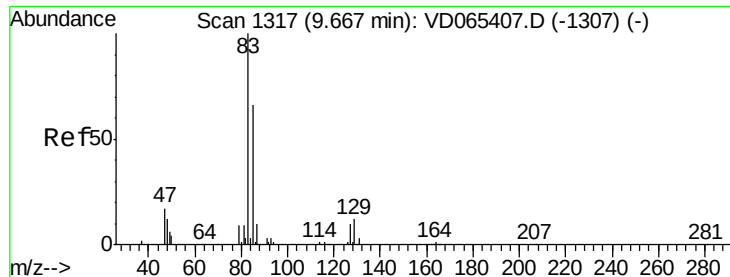
Tgt Ion: 63 Resp: 683610
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.4 39.6



#46
 Dibromomethane
 Concen: 145.16 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 93 Resp: 364548
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.0 97.6
 174 112.1 88.3 132.5





#47

Bromodichloromethane

Concen: 142.56 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

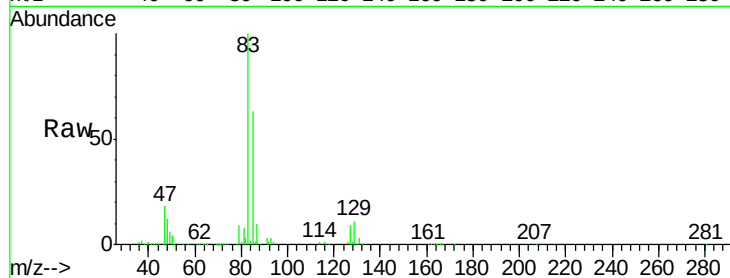
Tgt Ion: 83 Resp: 929527

Ion Ratio Lower Upper

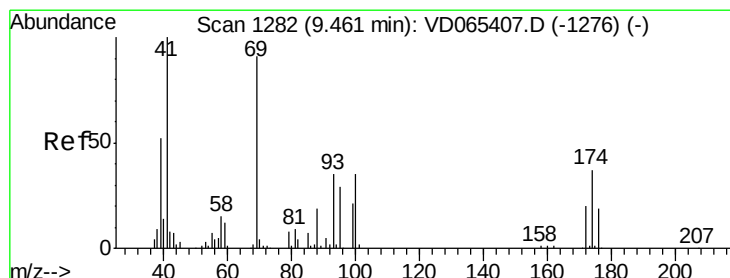
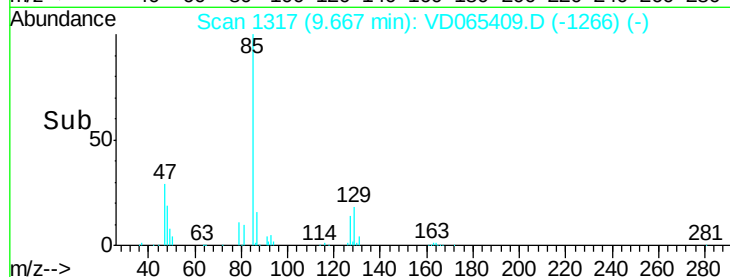
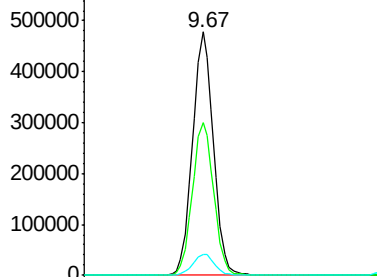
83 100

85 62.9 52.8 79.2

127 8.6 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: 162.80 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

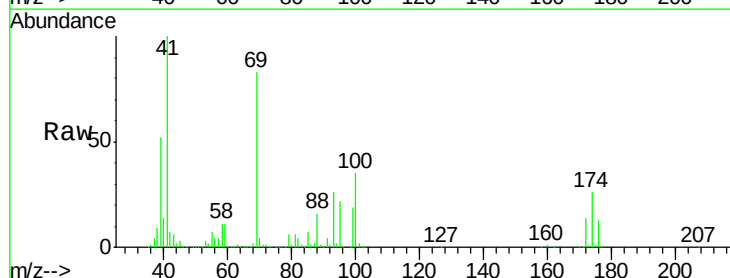
Tgt Ion: 41 Resp: 391370

Ion Ratio Lower Upper

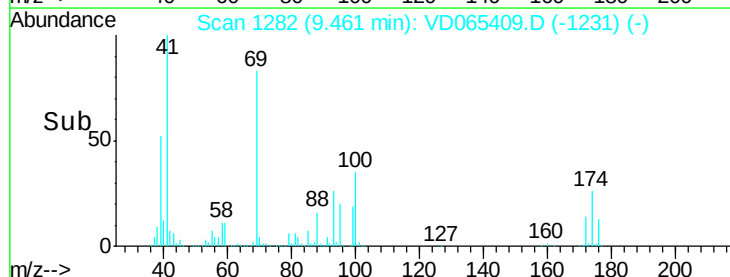
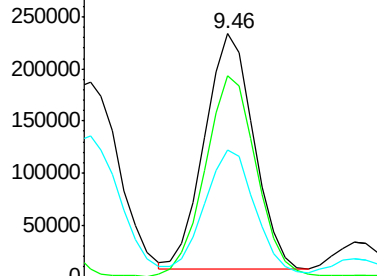
41 100

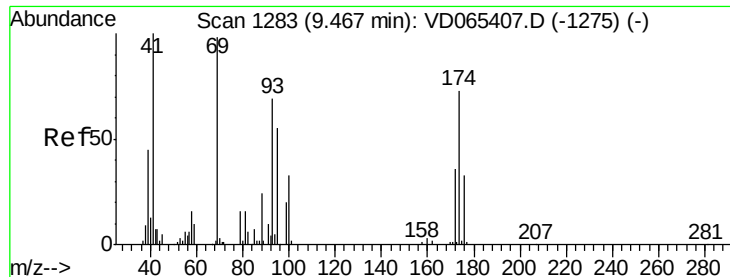
69 91.0 72.5 108.7

39 52.7 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

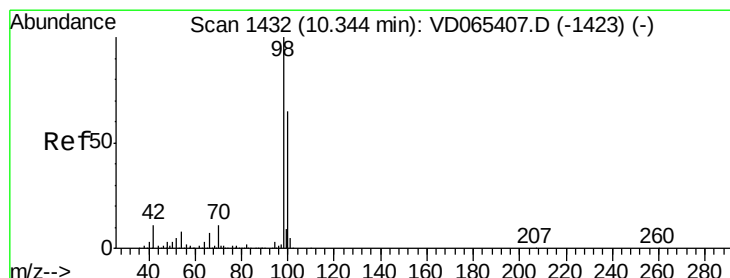
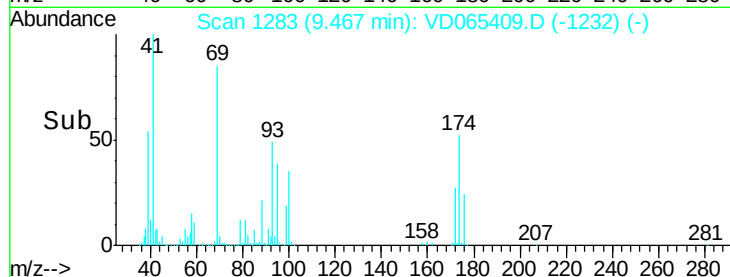
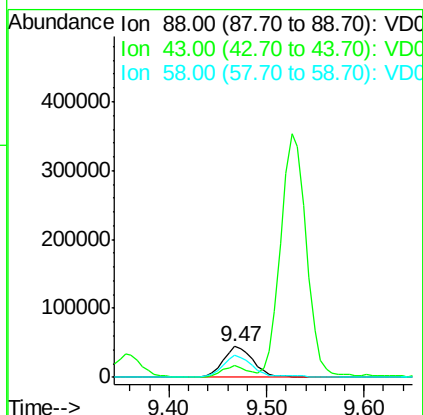
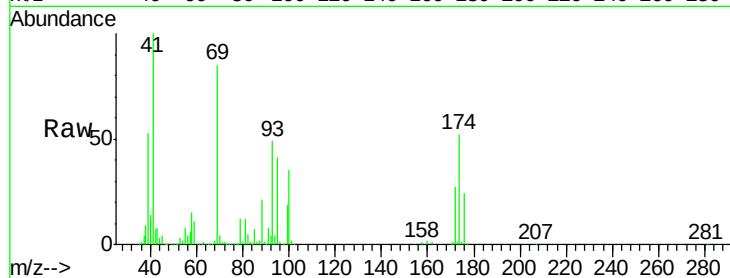




#49
1,4-Dioxane
Concen: 3326.75 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

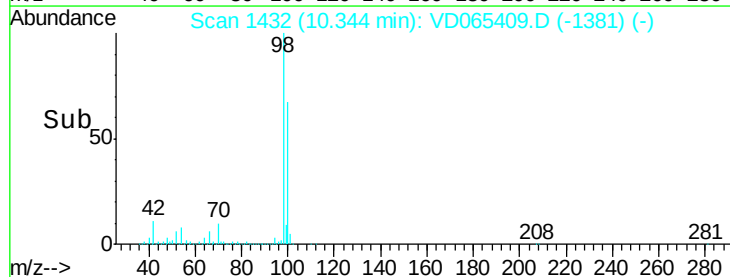
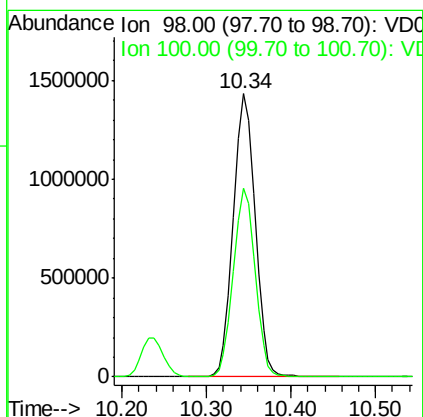
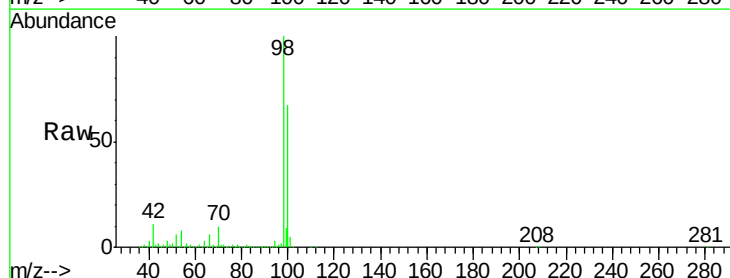
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

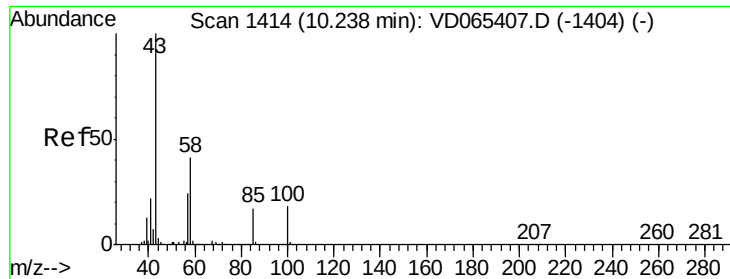
Tgt Ion: 88 Resp: 96171
Ion Ratio Lower Upper
88 100
43 32.7 24.5 36.7
58 69.5 54.5 81.7



#50
Toluene-d8
Concen: 145.58 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 98 Resp: 2557070
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2

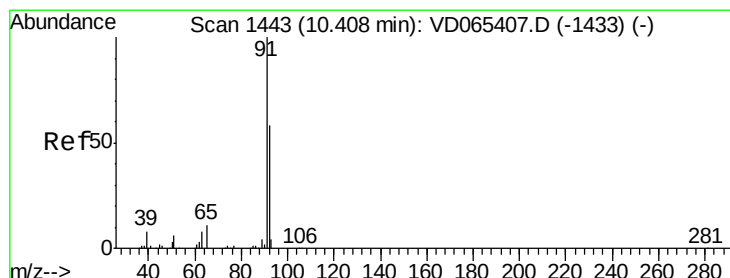
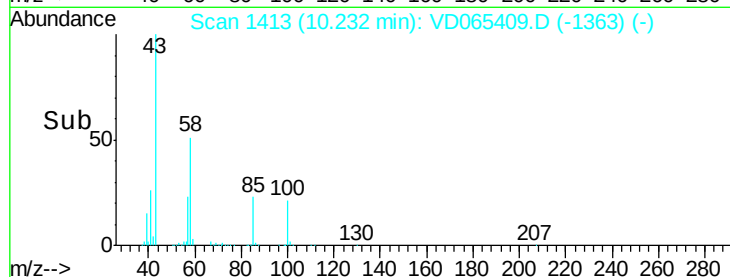
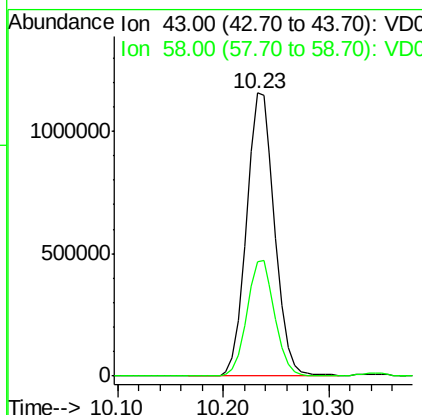
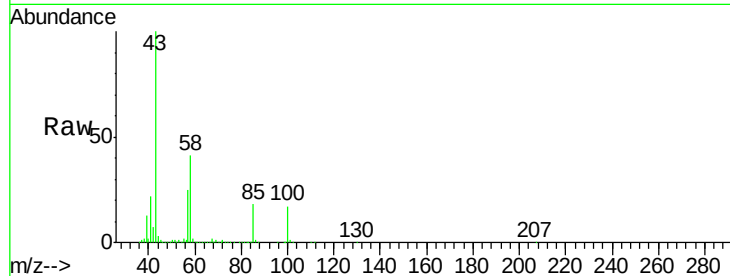




#51
4-Methyl-2-Pentanone
Concen: 832.62 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

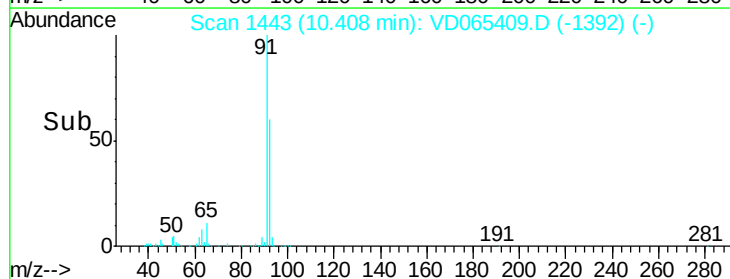
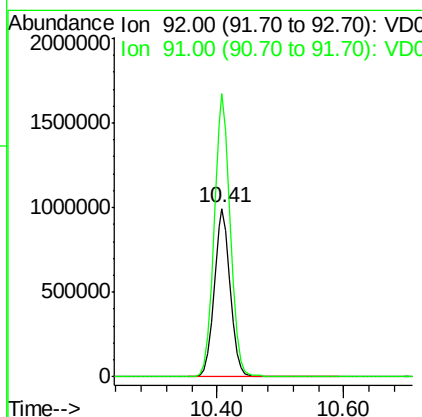
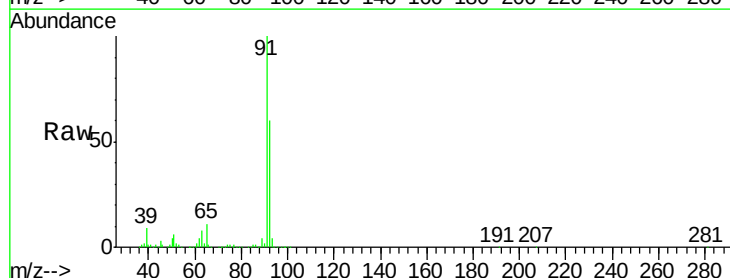
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

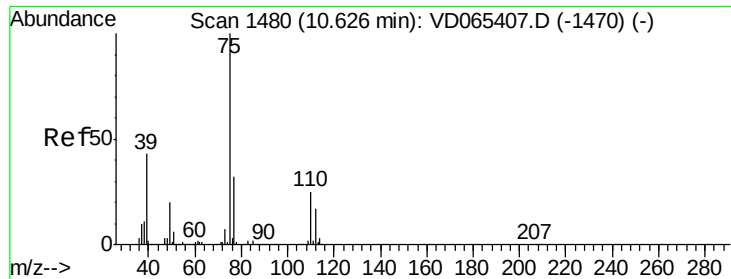
Tgt Ion: 43 Resp: 2139899
Ion Ratio Lower Upper
43 100
58 40.5 31.8 47.6



#52
Toluene
Concen: 141.90 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 92 Resp: 1779858
Ion Ratio Lower Upper
92 100
91 169.8 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 153.49 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

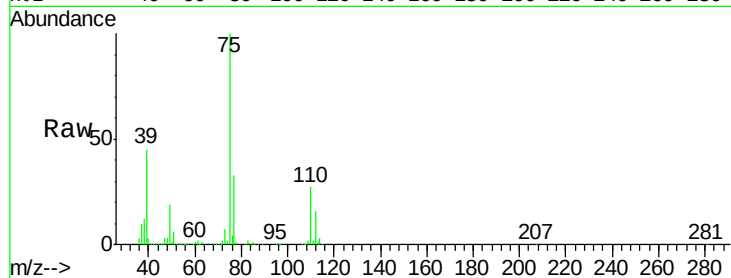
VSTDIC150

Tgt Ion: 75 Resp: 941633

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

600000

500000

400000

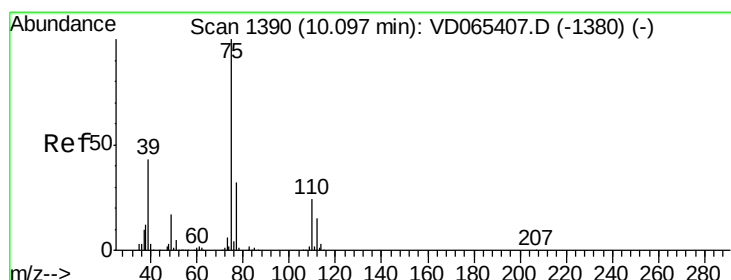
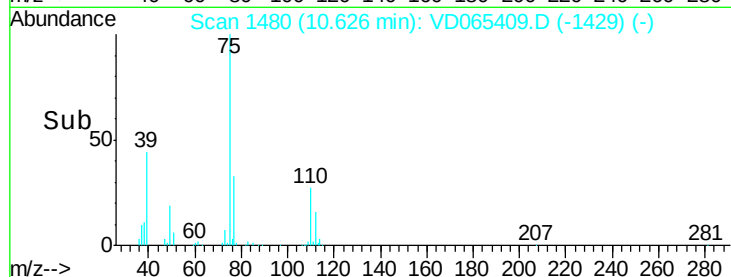
300000

200000

100000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 151.30 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

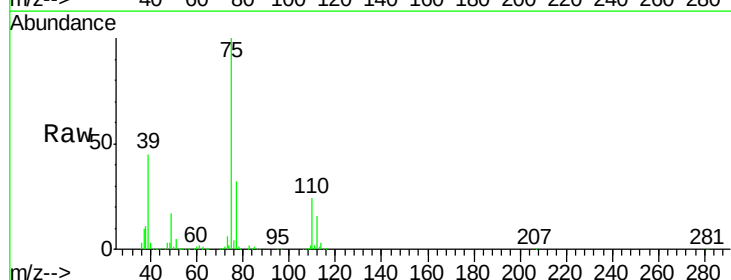
Tgt Ion: 75 Resp: 1121000

Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 45.2 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

800000

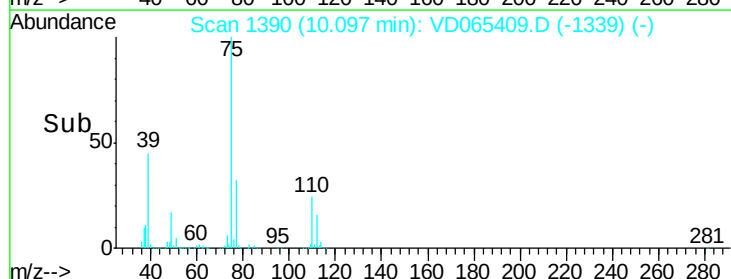
600000

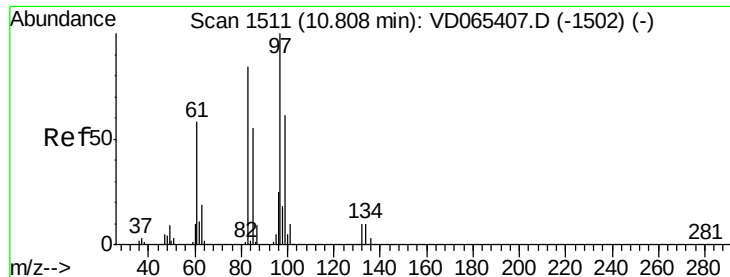
400000

200000

0

Time--> 10.00 10.10 10.20

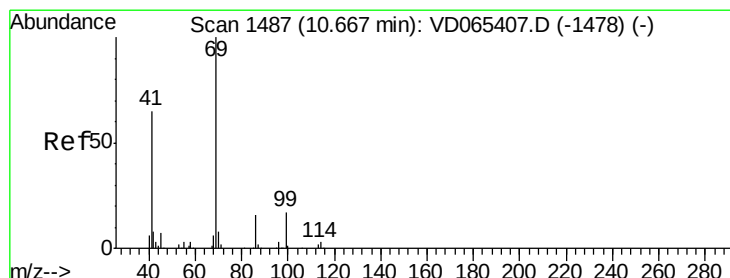
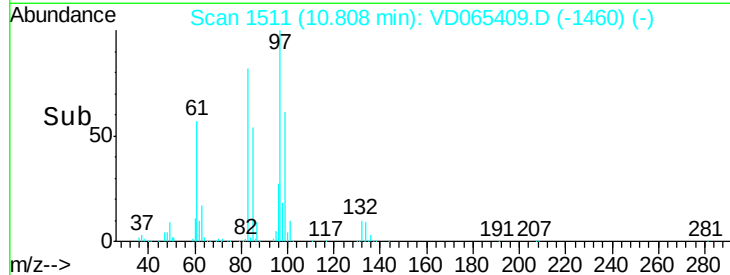
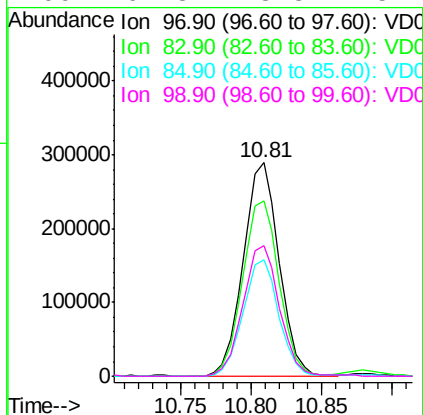
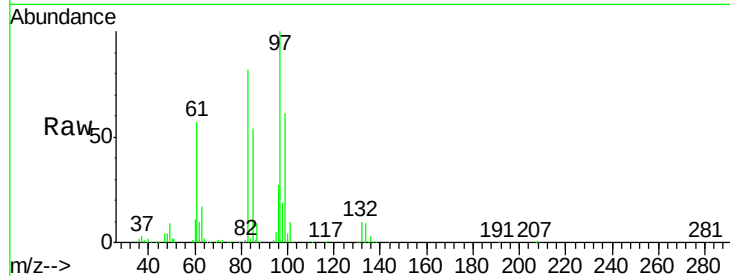




#55
 1,1,2-Trichloroethane
 Concen: 145.14 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

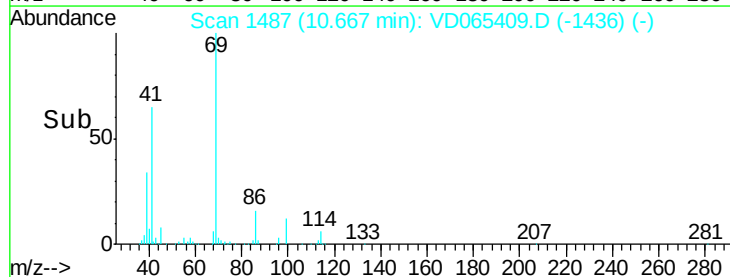
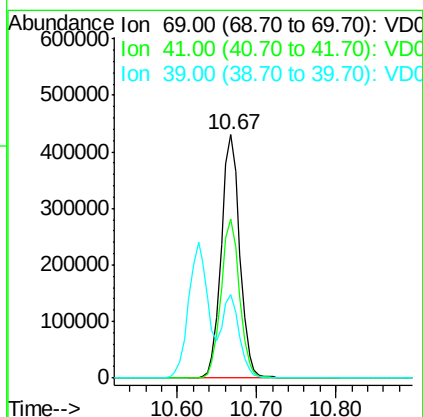
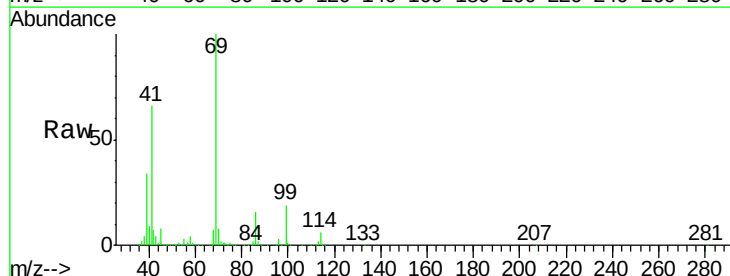
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

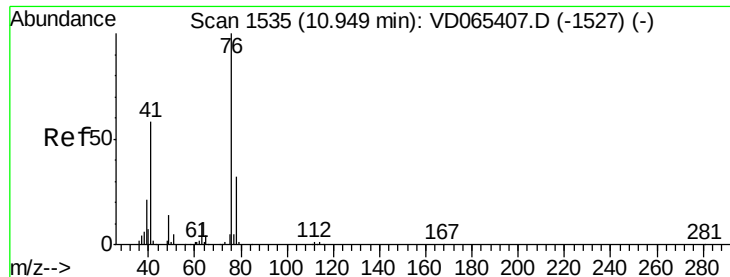
Tgt Ion: 97 Resp: 515509
 Ion Ratio Lower Upper
 97 100
 83 82.0 67.4 101.0
 85 54.3 43.8 65.8
 99 61.3 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 172.70 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 69 Resp: 695442
 Ion Ratio Lower Upper
 69 100
 41 64.8 53.0 79.6
 39 31.8 26.0 39.0

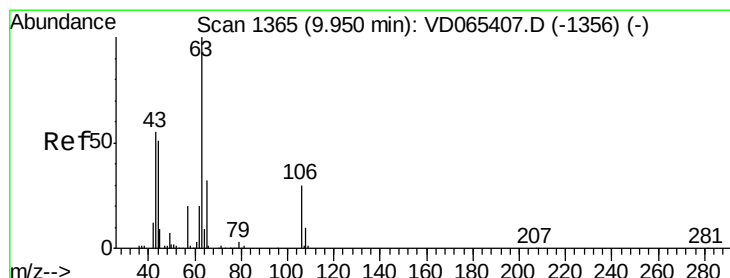
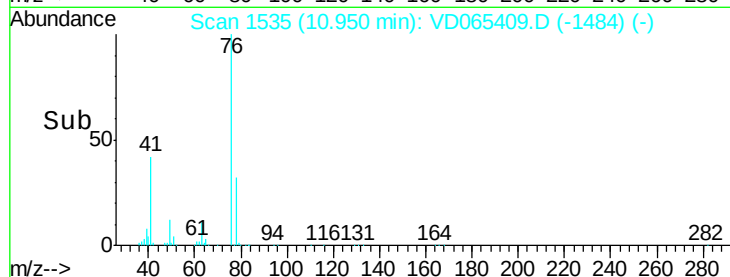
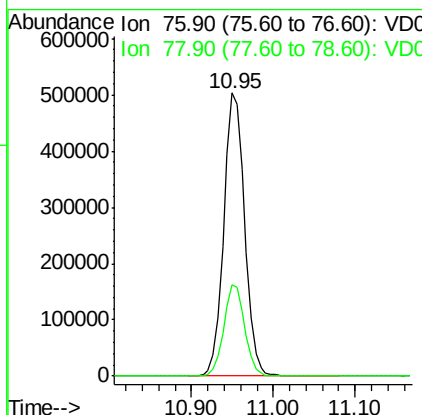
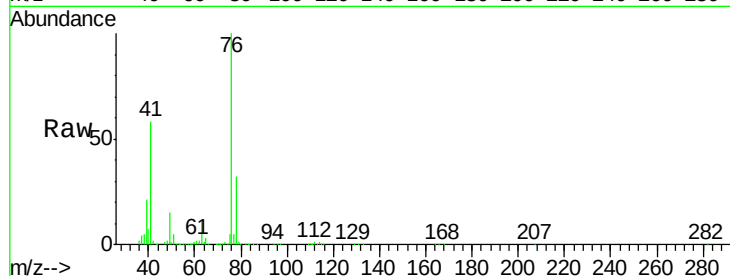




#57
 1,3-Dichloropropane
 Concen: 148.23 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

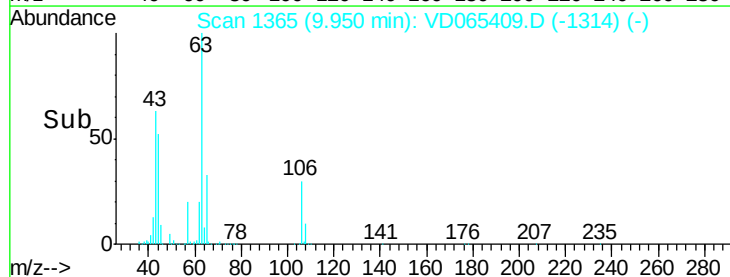
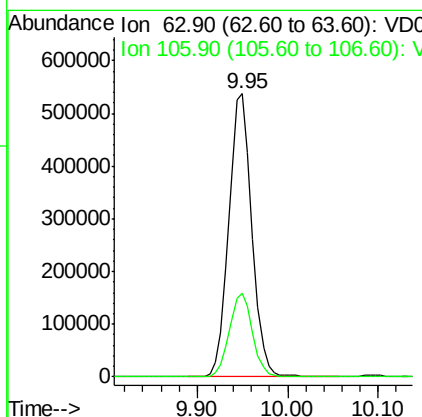
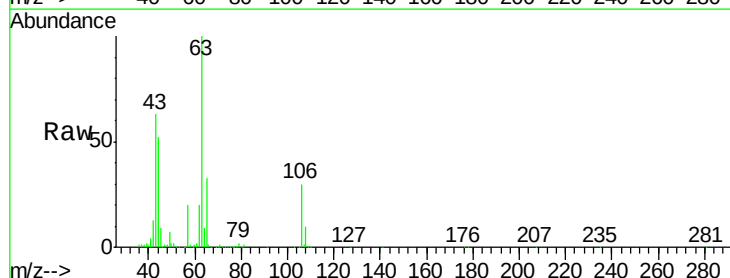
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

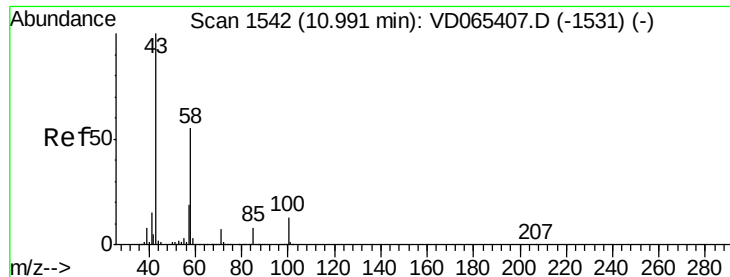
Tgt Ion: 76 Resp: 893457
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 666.10 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 63 Resp: 953567
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.3 34.9

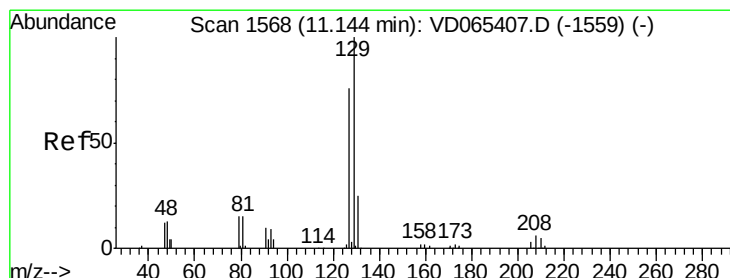
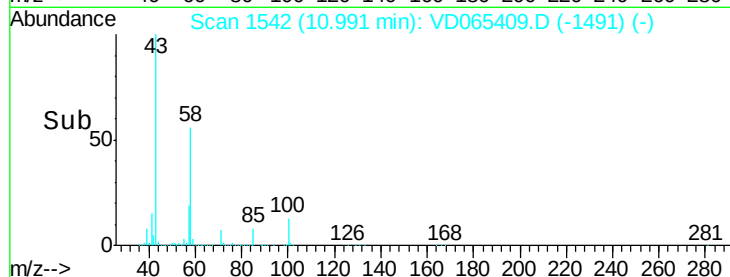
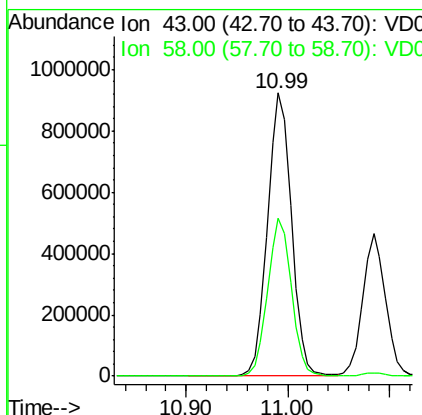
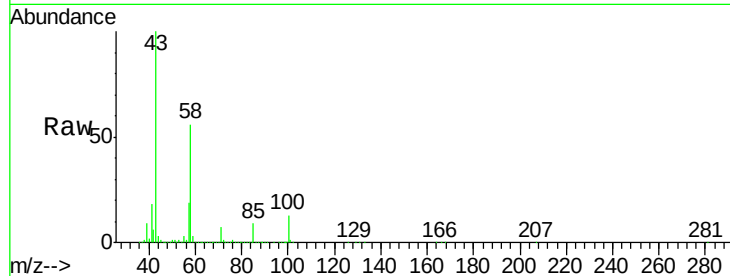




#59
2-Hexanone
Concen: 853.46 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

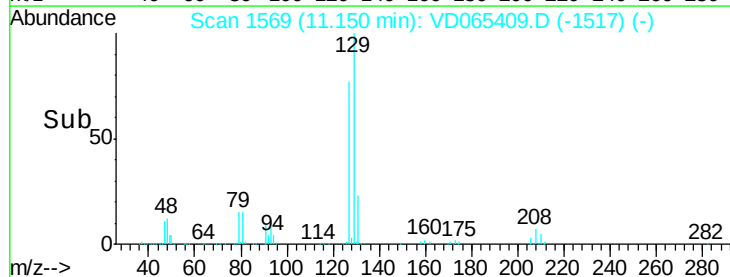
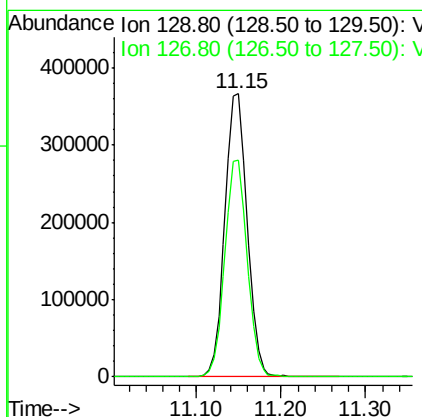
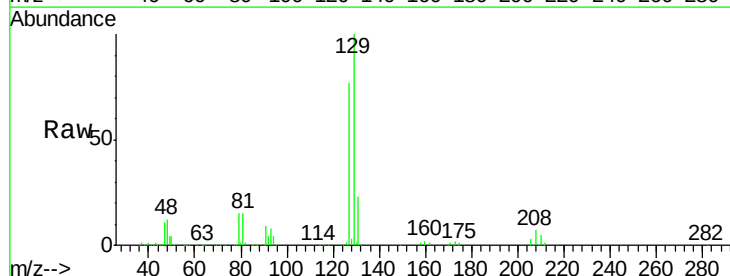
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

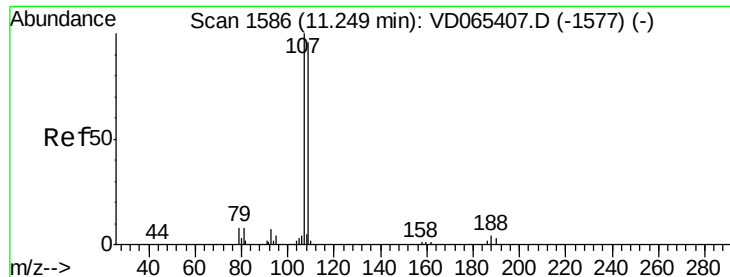
Tgt Ion: 43 Resp: 1520564
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2



#60
Dibromochloromethane
Concen: 146.30 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 129 Resp: 669098
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5

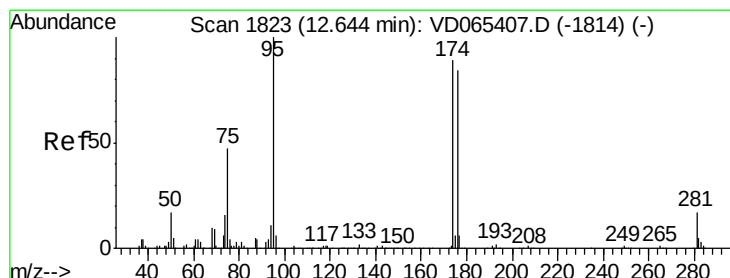
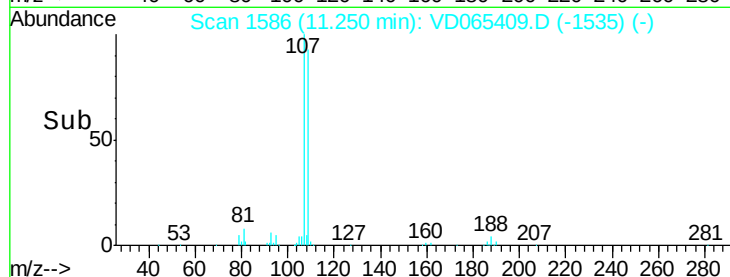
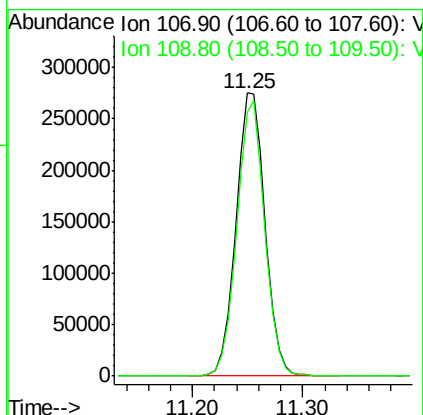
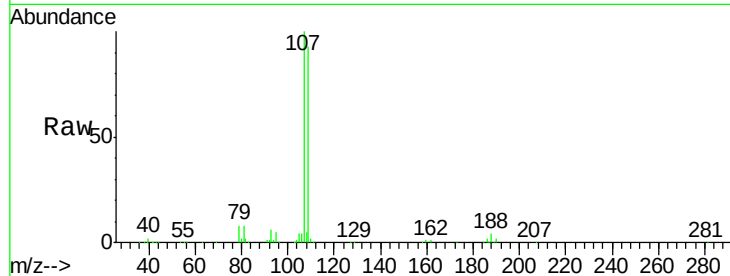




#61
 1,2-Dibromoethane
 Concen: 149.66 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

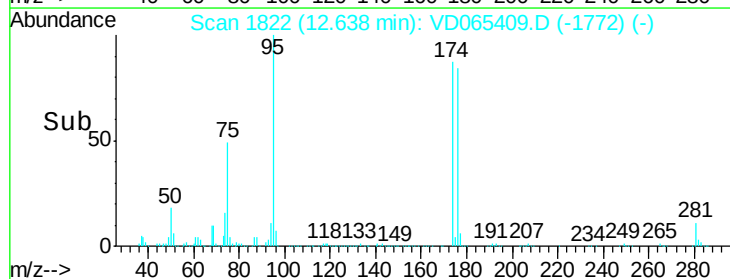
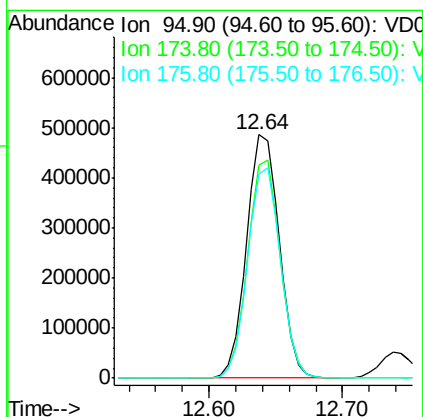
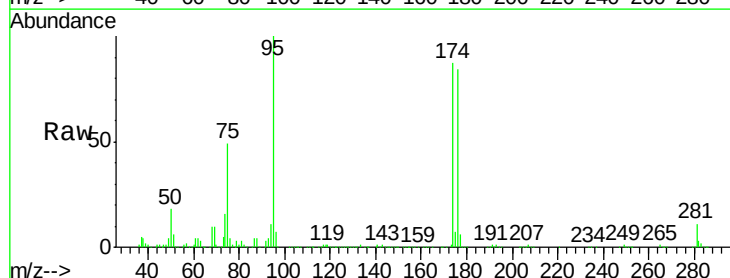
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

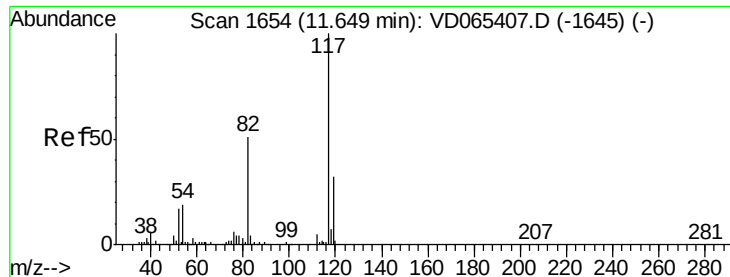
Tgt Ion: 107 Resp: 507696
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 149.71 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 95 Resp: 821740
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 176.8
 176 86.6 0.0 171.4

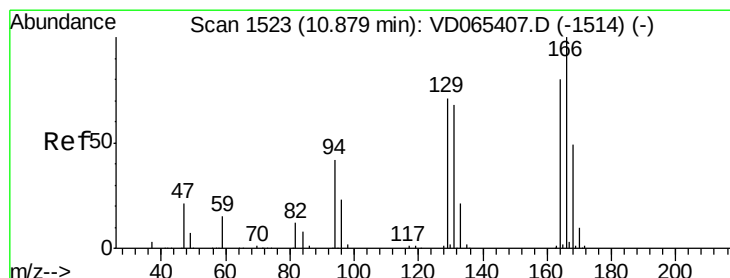
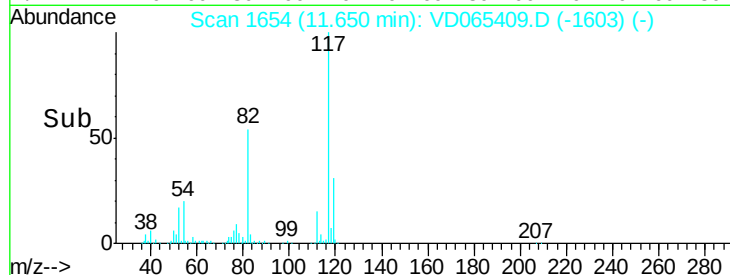
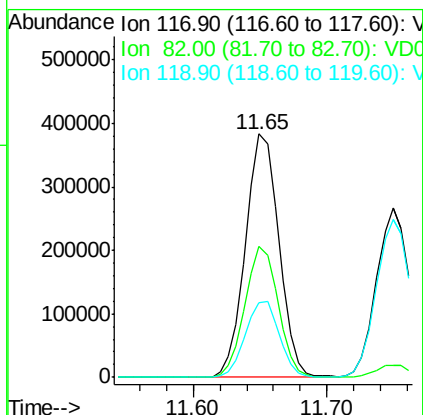
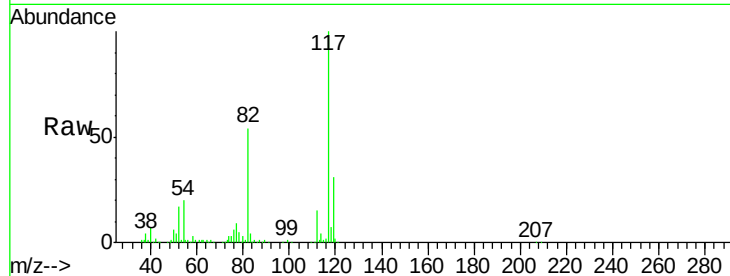




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

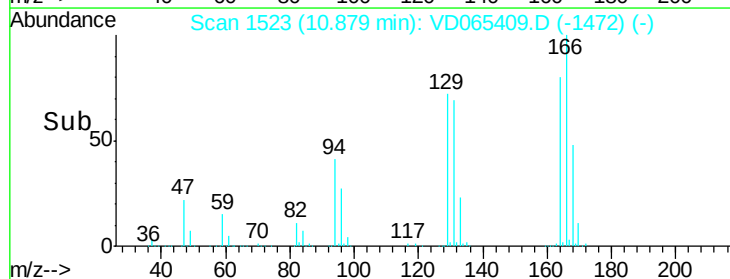
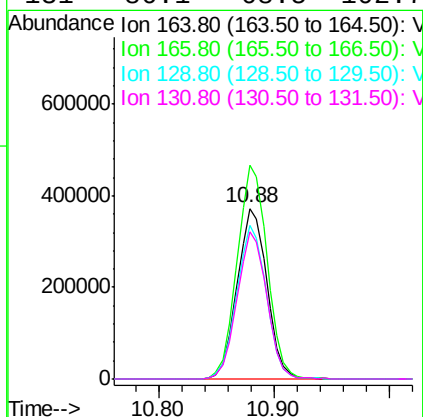
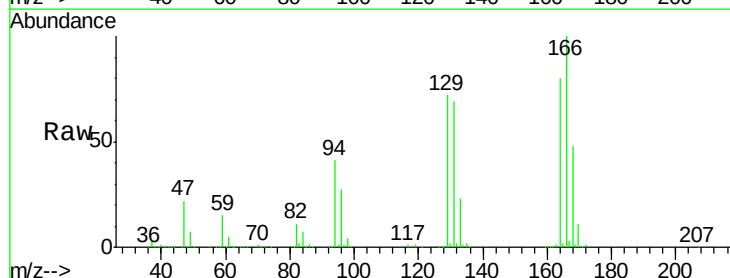
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

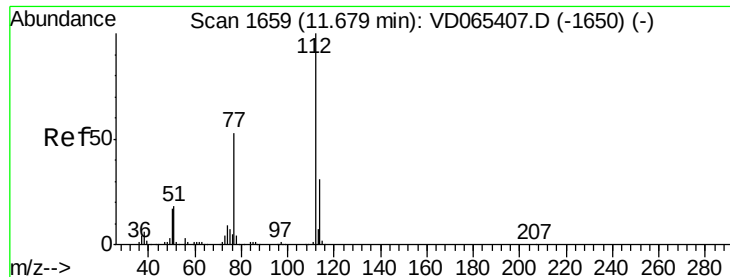
Tgt Ion:117 Resp: 664601
Ion Ratio Lower Upper
117 100
82 53.7 40.6 60.8
119 30.7 25.4 38.2



#64
Tetrachloroethene
Concen: 139.08 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion:164 Resp: 663935
Ion Ratio Lower Upper
164 100
166 125.4 100.5 150.7
129 90.2 71.5 107.3
131 86.1 68.5 102.7





#65

Chlorobenzene

Concen: 139.90 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

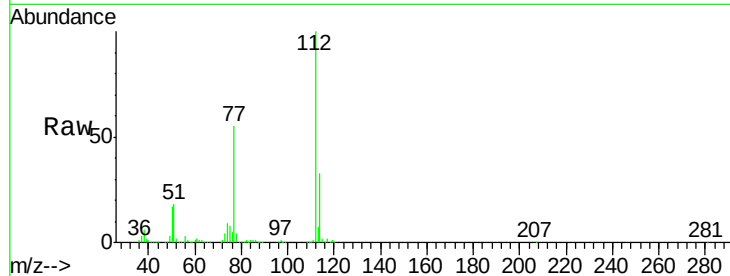
VSTDIC150

Tgt Ion:112 Resp: 1849615

Ion Ratio Lower Upper

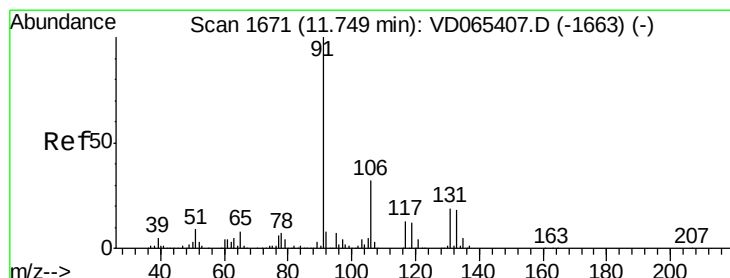
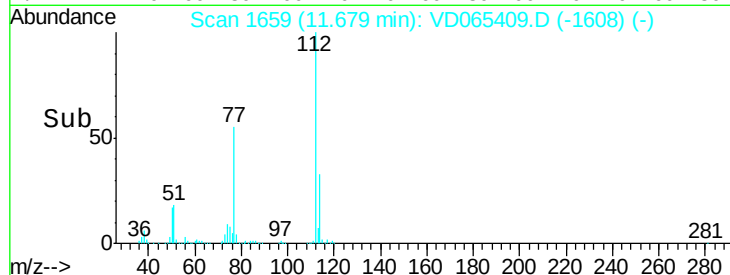
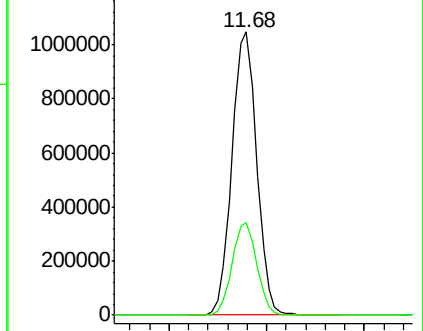
112 100

114 32.8 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: 141.75 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

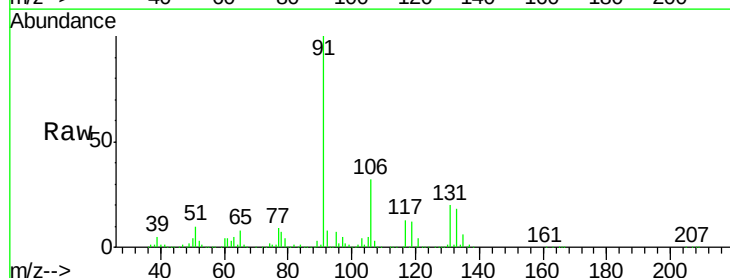
Tgt Ion:131 Resp: 684211

Ion Ratio Lower Upper

131 100

133 95.2 49.2 147.6

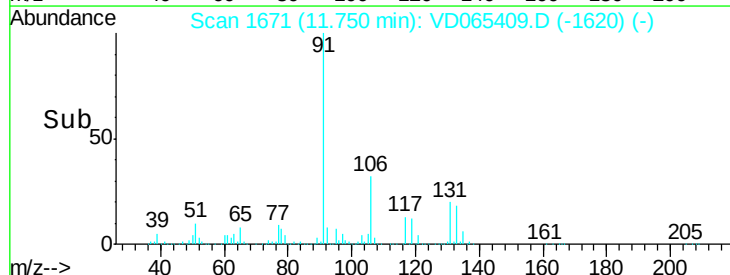
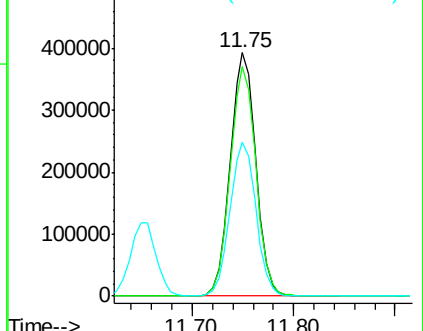
119 64.5 33.3 99.8

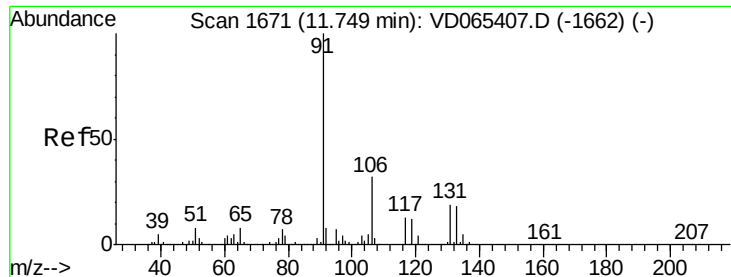


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 146.34 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

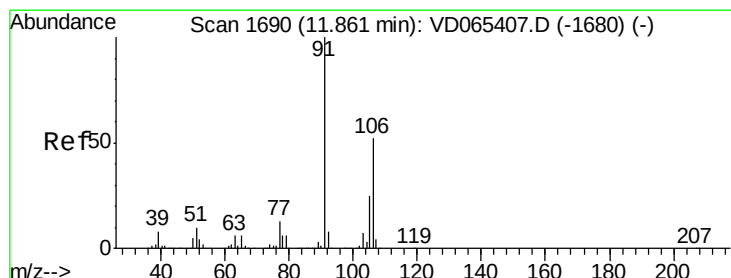
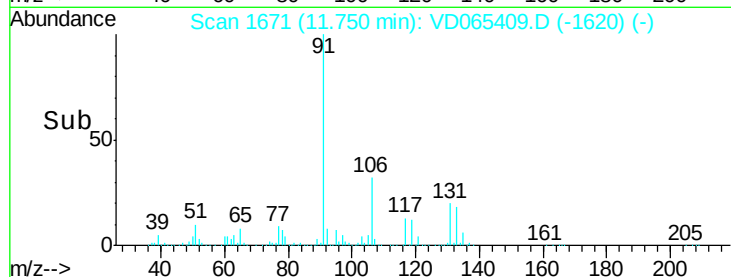
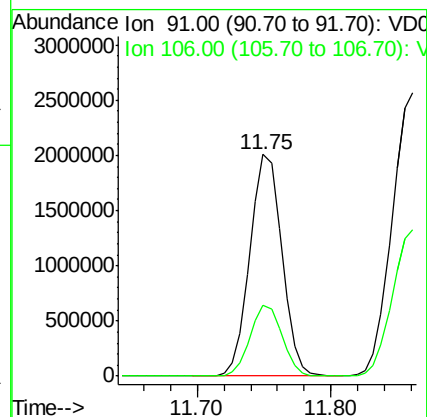
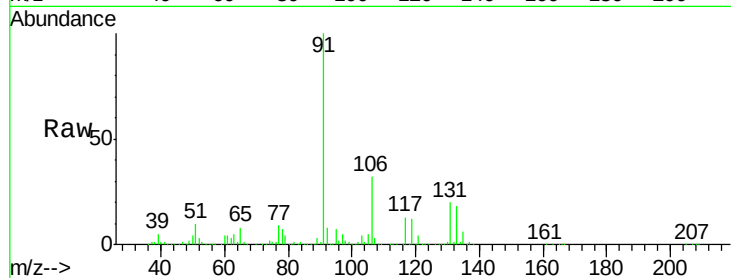
VSTDIC150

Tgt Ion: 91 Resp: 3335390

Ion Ratio Lower Upper

91 100

106 31.8 25.2 37.8



#68

m/p-Xylenes

Concen: 289.63 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065409.D

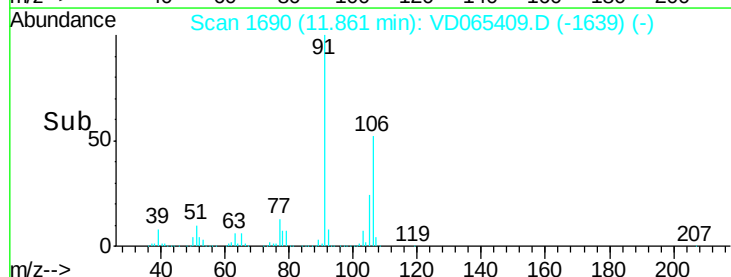
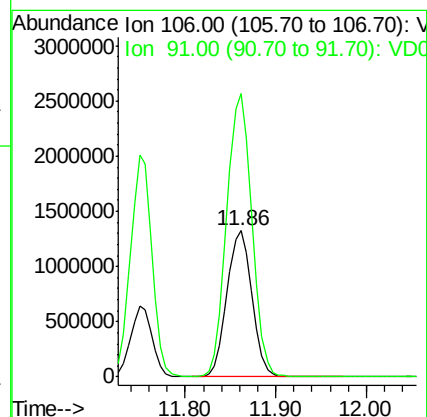
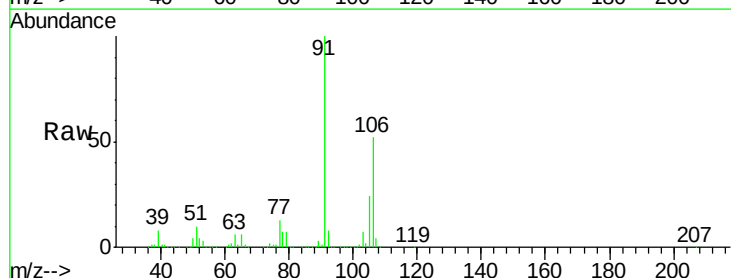
Acq: 04 Mar 2020 12:55

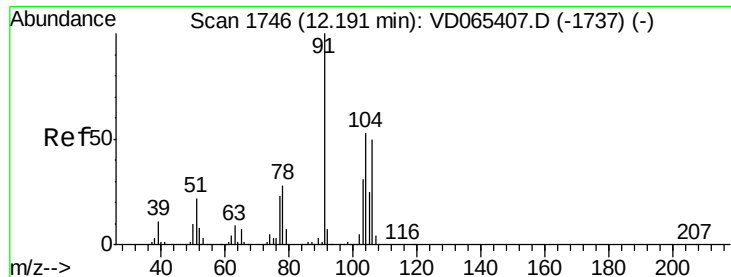
Tgt Ion: 106 Resp: 2544885

Ion Ratio Lower Upper

106 100

91 194.4 155.9 233.9

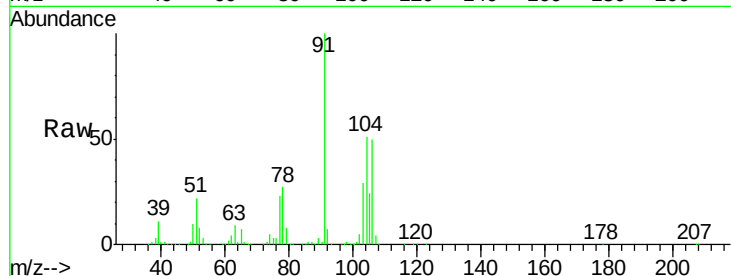




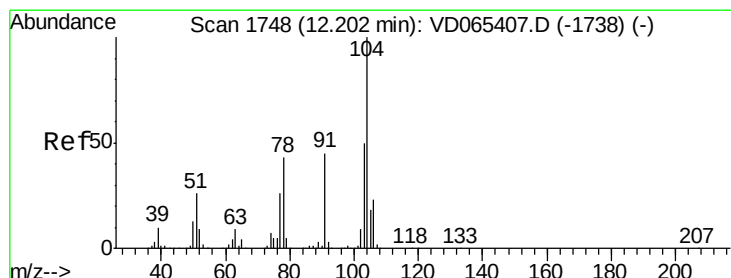
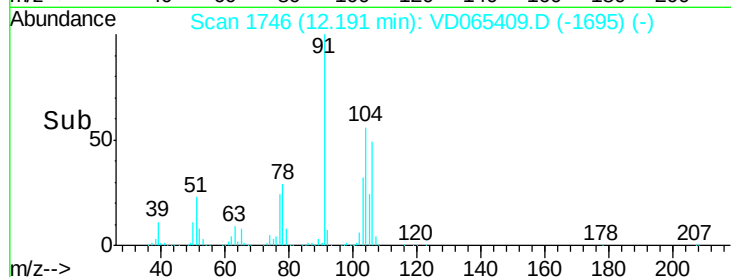
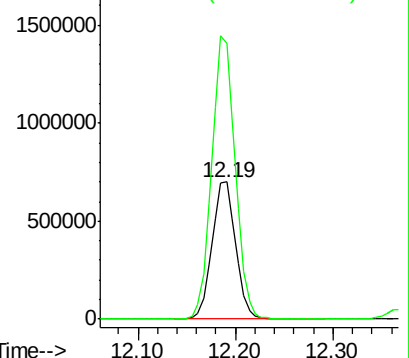
#69
o-Xylene
Concen: 151.30 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1169303
Ion Ratio Lower Upper
106 100
91 205.7 103.5 310.3

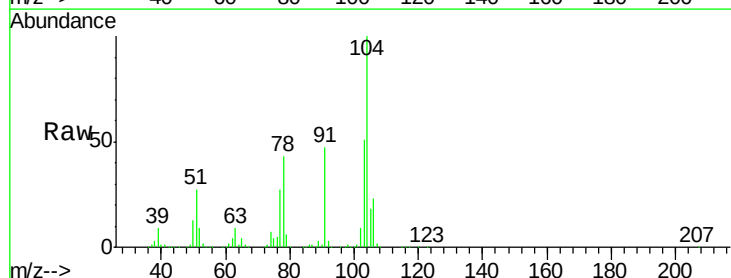


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

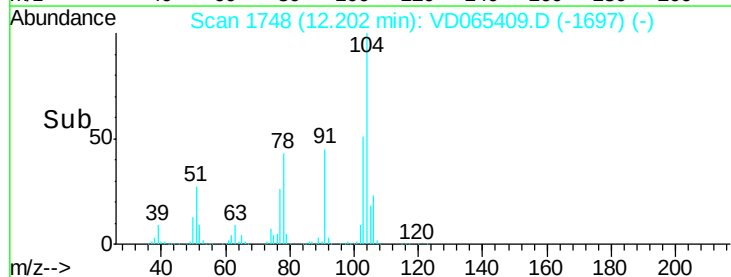
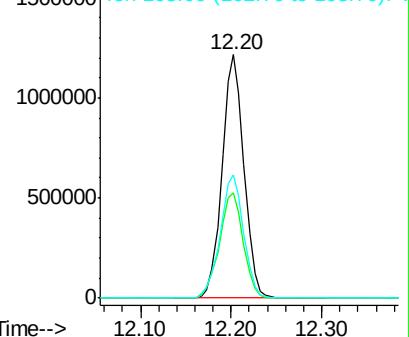


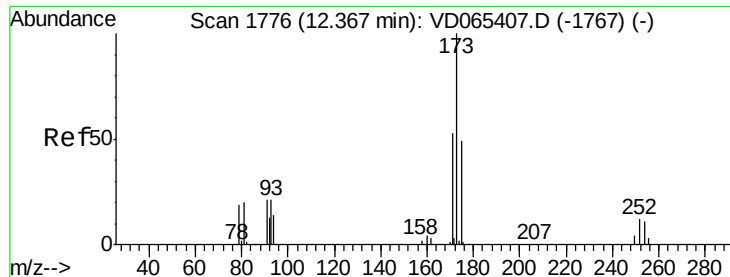
#70
Styrene
Concen: 149.29 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion:104 Resp: 2035245
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 54.2 43.6 65.4



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





#71

Bromoform

Concen: 150.34 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

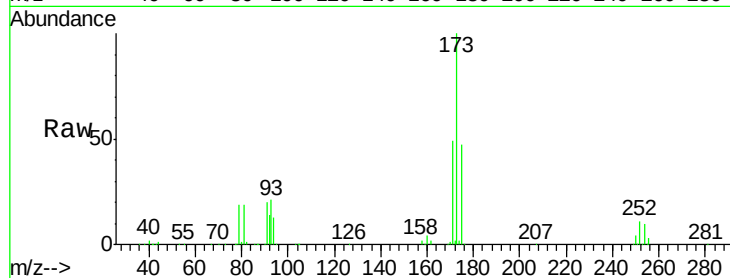
Tgt Ion:173 Resp: 409370

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

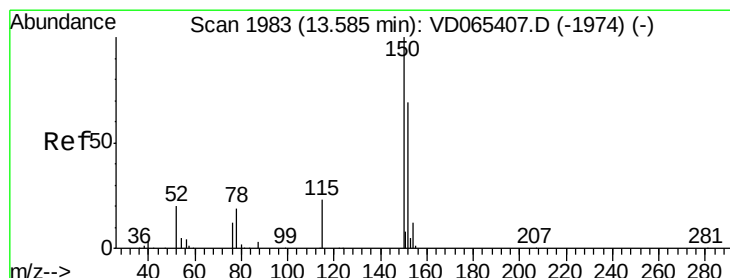
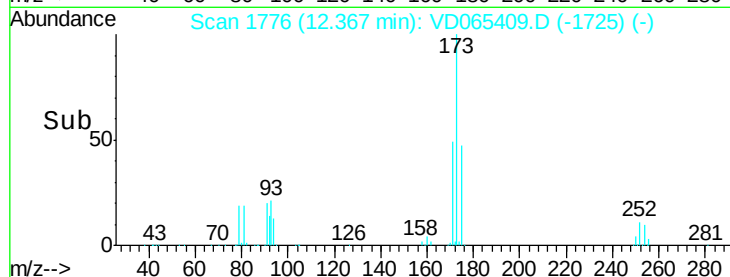
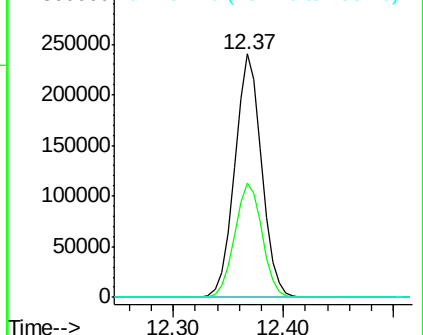
254 0.2 0.1 0.1#



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: VD065409.D

Acq: 04 Mar 2020 12:55

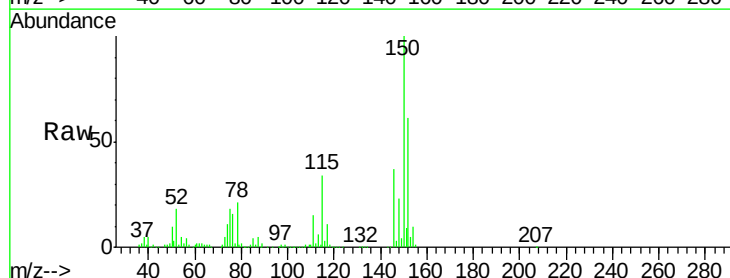
Tgt Ion:152 Resp: 319175

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.8

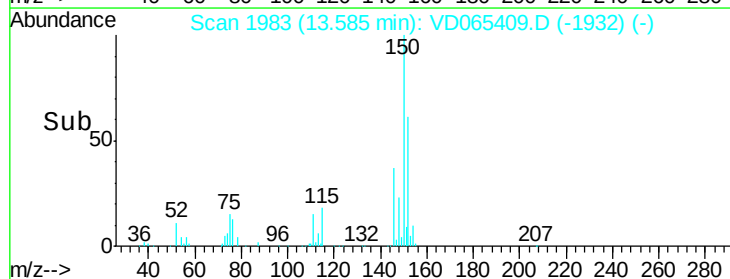
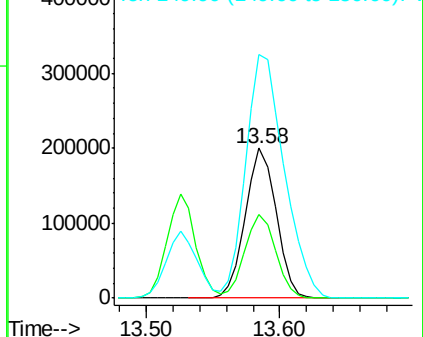
150 202.5 0.0 345.0

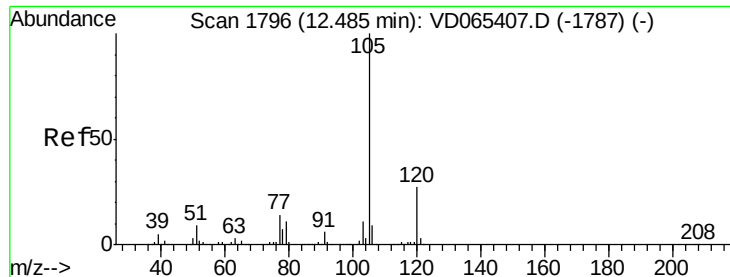


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.79 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

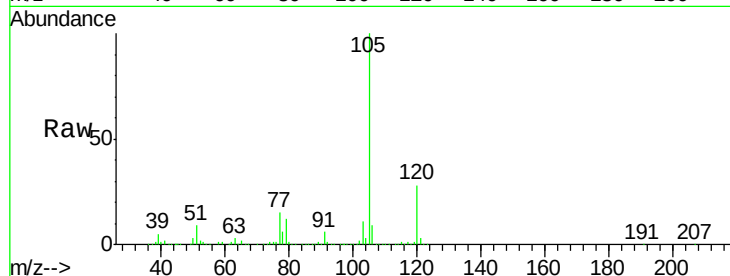
VSTDIC150

Tgt Ion:105 Resp: 3160993

Ion Ratio Lower Upper

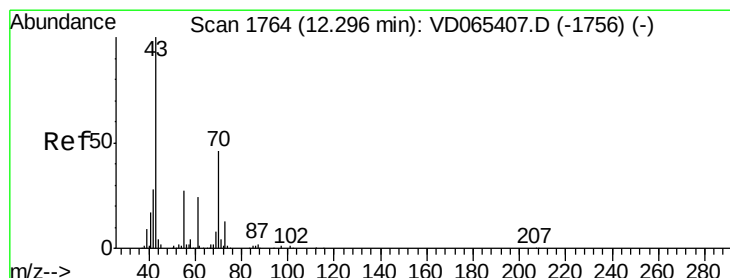
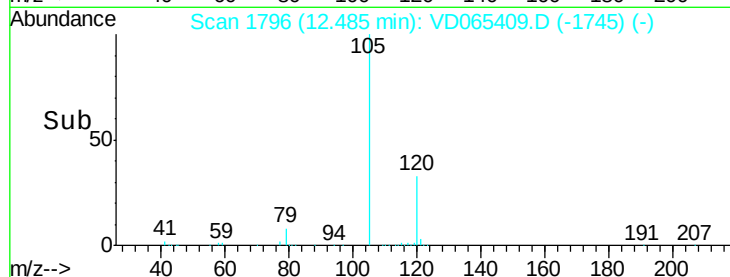
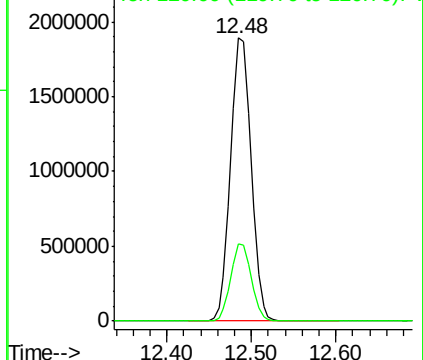
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 174.56 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion: 43 Resp: 755615

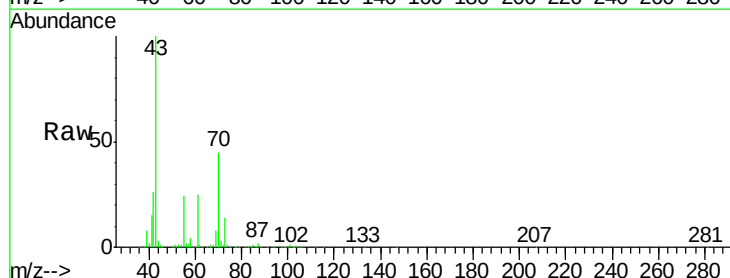
Ion Ratio Lower Upper

43 100

70 44.2 36.1 54.1

55 24.9 21.6 32.4

61 24.7 19.6 29.4

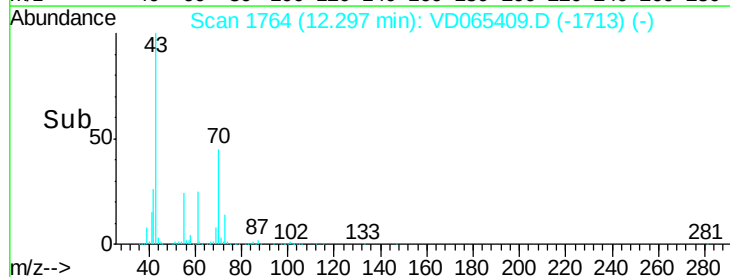
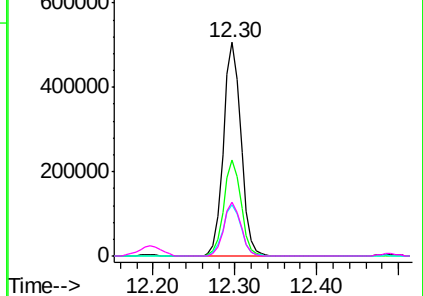


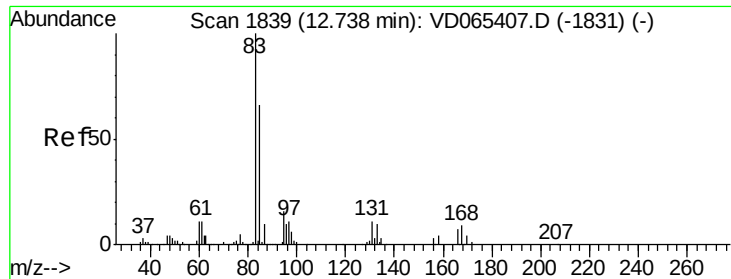
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 149.61 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

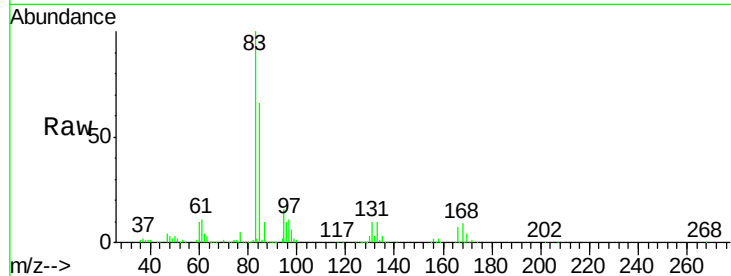
Tgt Ion: 83 Resp: 556354

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

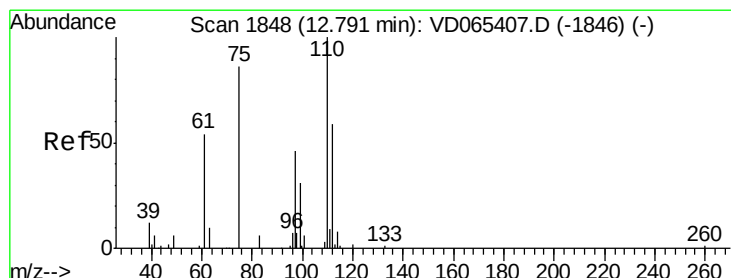
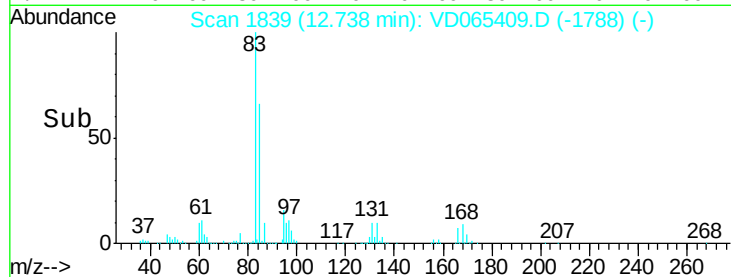
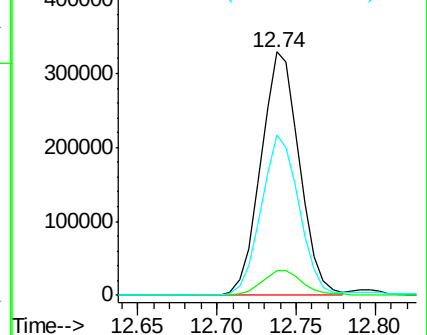
85 64.7 33.0 98.9



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: 167.13 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065409.D

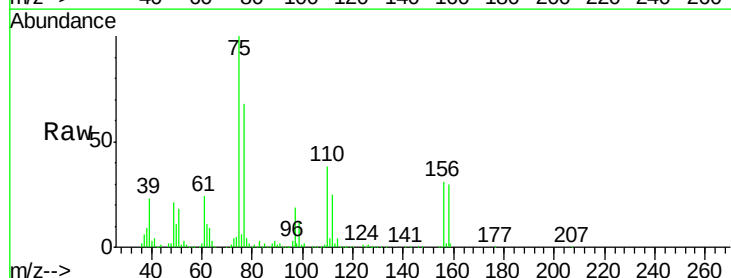
Acq: 04 Mar 2020 12:55

Tgt Ion: 75 Resp: 736762

Ion Ratio Lower Upper

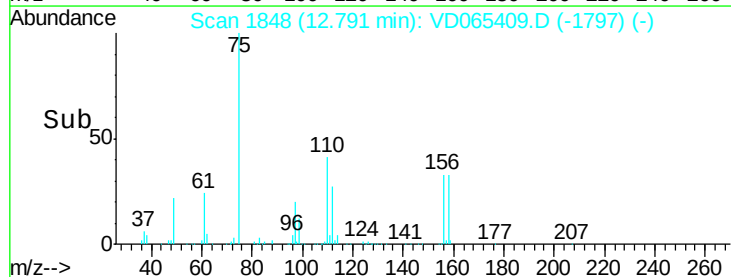
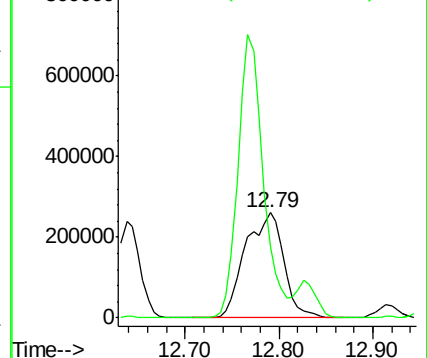
75 100

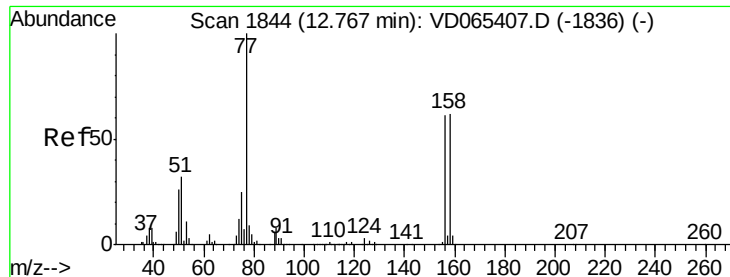
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 145.30 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

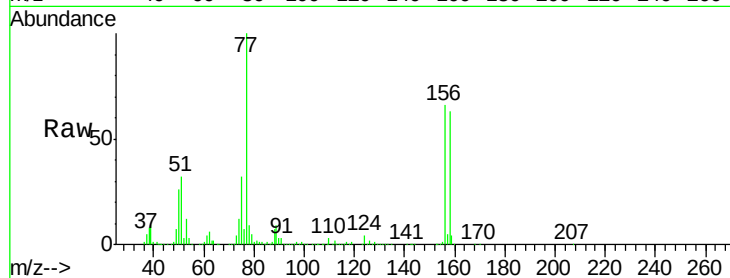
Tgt Ion:156 Resp: 763715

Ion Ratio Lower Upper

156 100

77 171.1 84.9 254.6

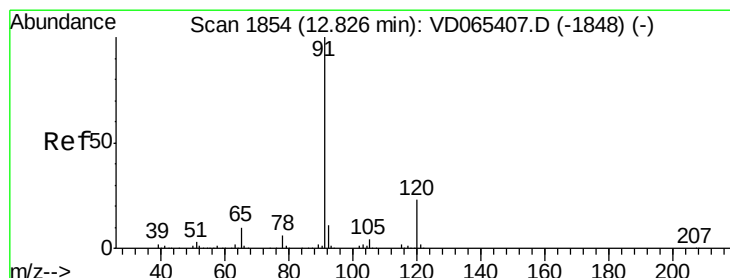
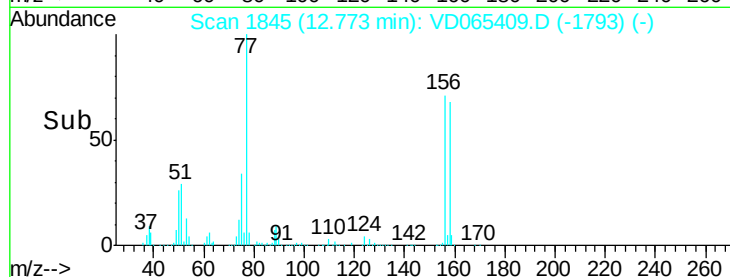
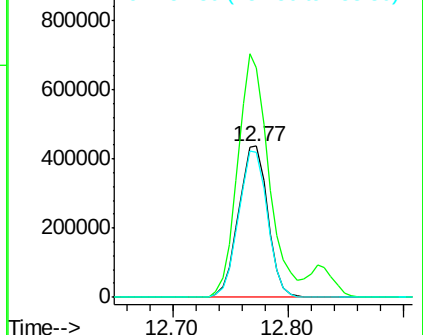
158 96.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 146.81 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065409.D

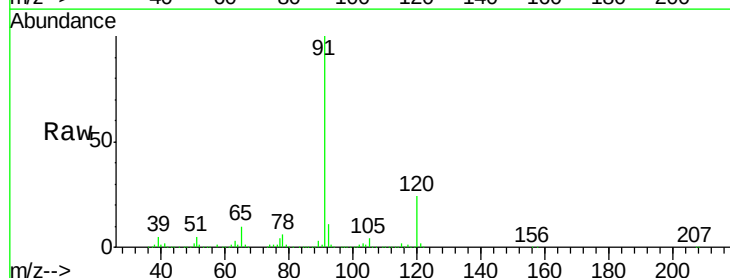
Acq: 04 Mar 2020 12:55

Tgt Ion: 91 Resp: 3662500

Ion Ratio Lower Upper

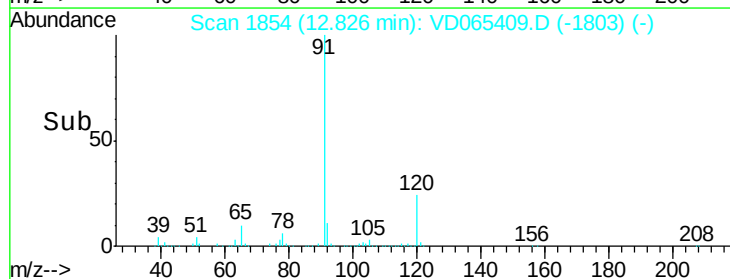
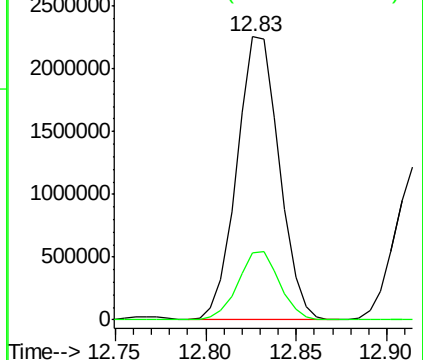
91 100

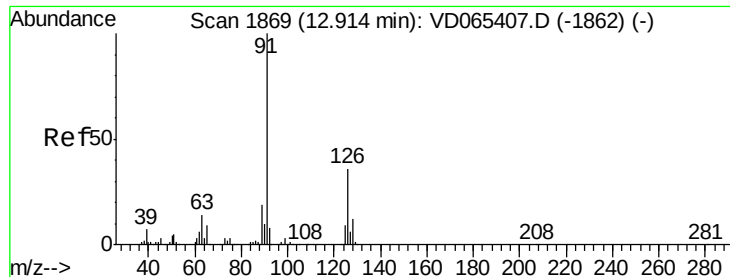
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.69 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

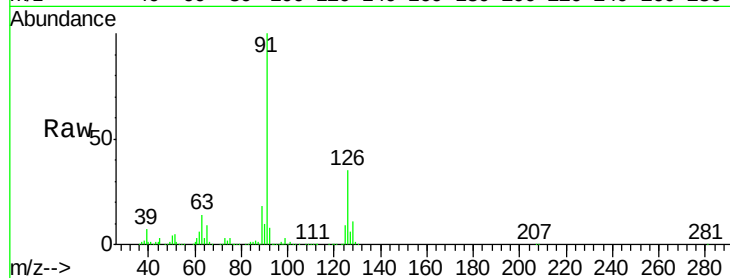
VSTDIC150

Tgt Ion: 91 Resp: 2044719

Ion Ratio Lower Upper

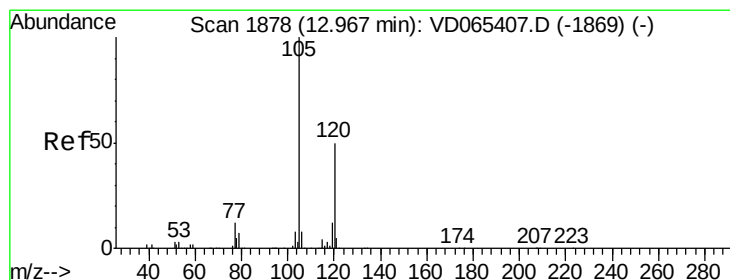
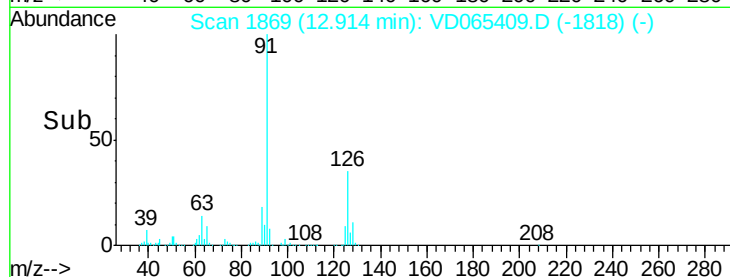
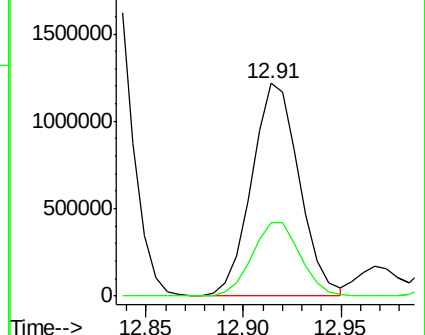
91 100

126 35.3 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 146.43 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065409.D

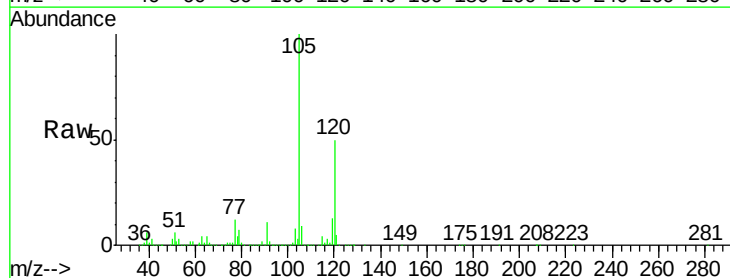
Acq: 04 Mar 2020 12:55

Tgt Ion: 105 Resp: 2527048

Ion Ratio Lower Upper

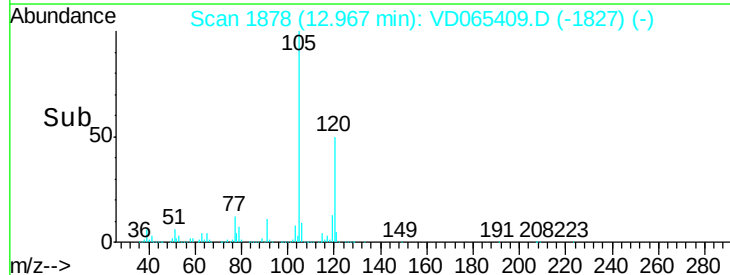
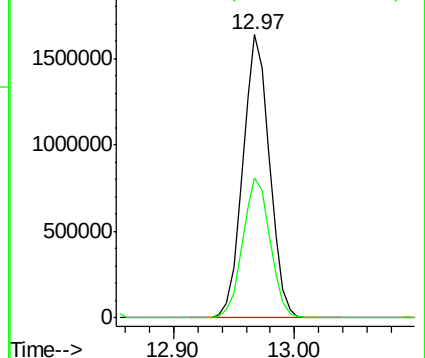
105 100

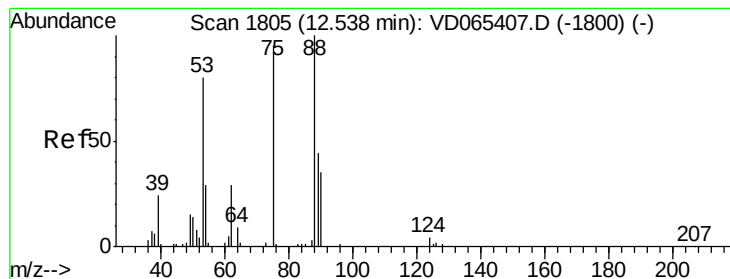
120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 167.60 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

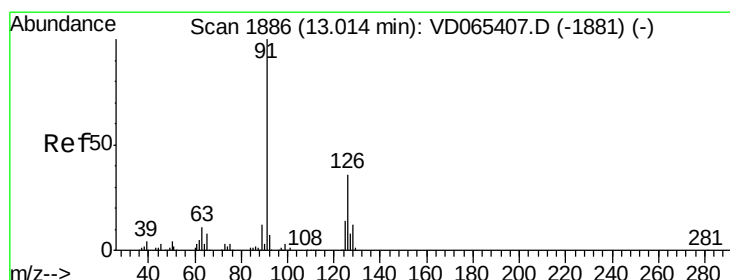
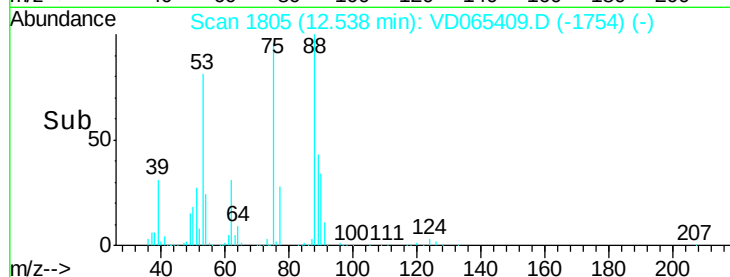
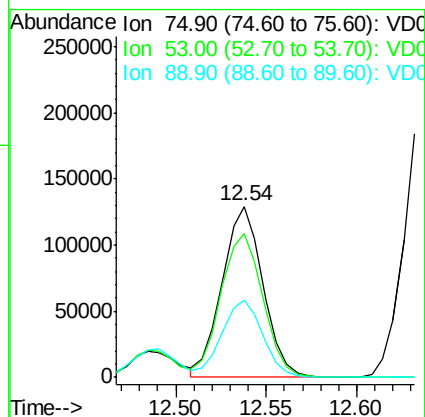
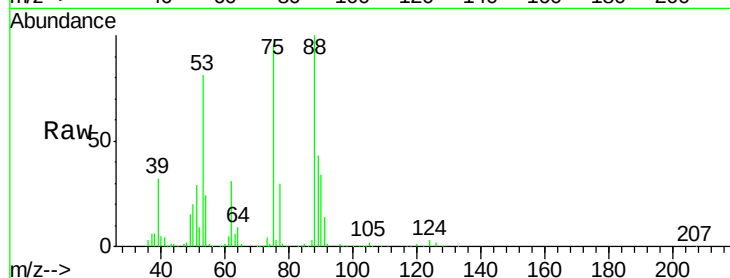
Tgt Ion: 75 Resp: 200475

Ion Ratio Lower Upper

75 100

53 87.6 71.3 106.9

89 46.0 37.0 55.6



#82

4-Chlorotoluene

Concen: 143.17 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065409.D

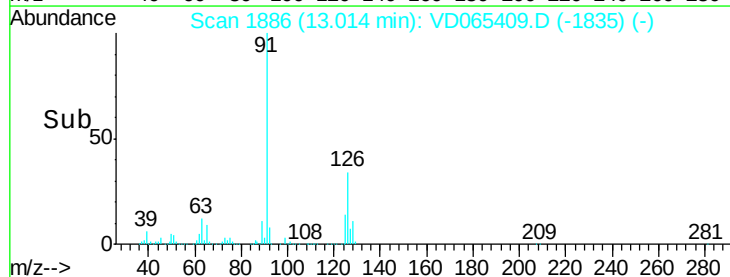
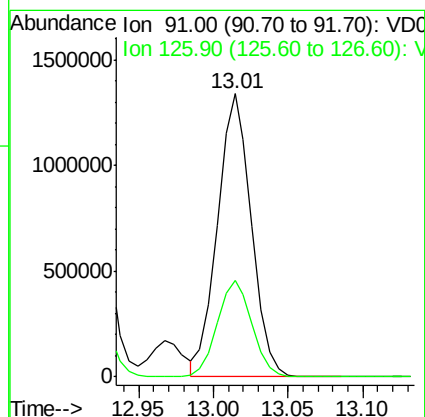
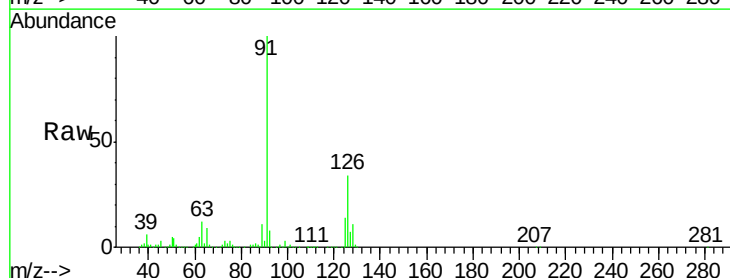
Acq: 04 Mar 2020 12:55

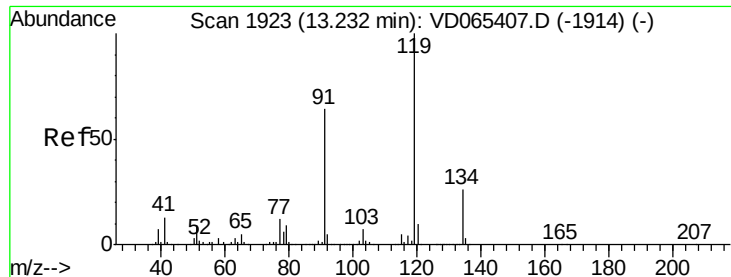
Tgt Ion: 91 Resp: 2118440

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8

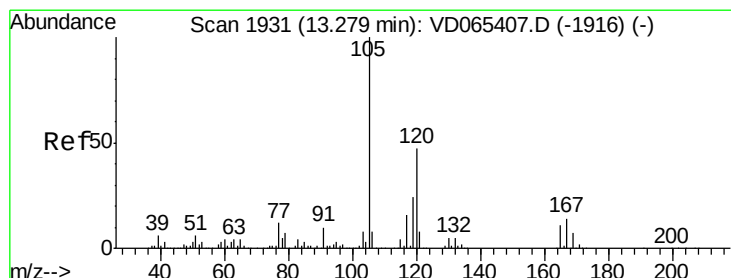
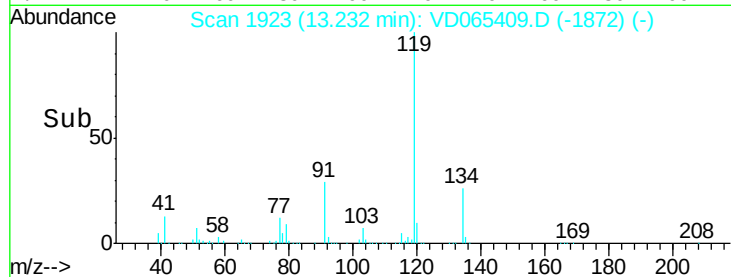
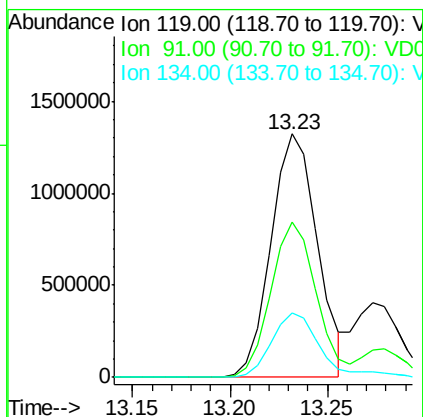
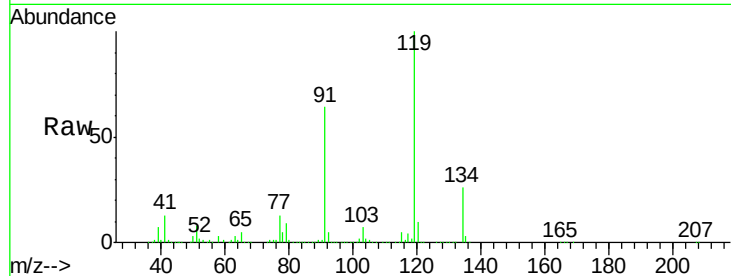




#83
 tert-Butylbenzene
 Concen: 149.15 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

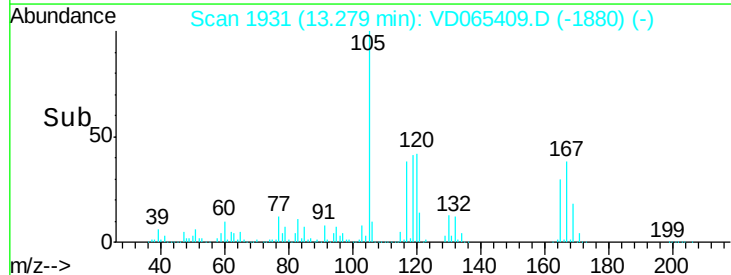
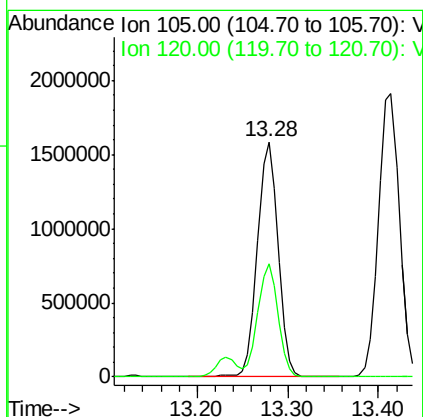
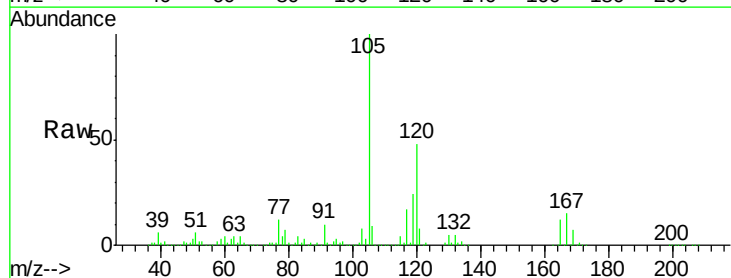
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

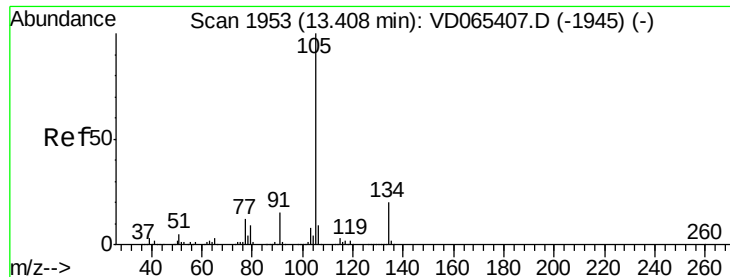
Tgt Ion:119 Resp: 2173285
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.6 95.0
 134 28.1 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 147.85 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion:105 Resp: 2518773
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 147.62 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

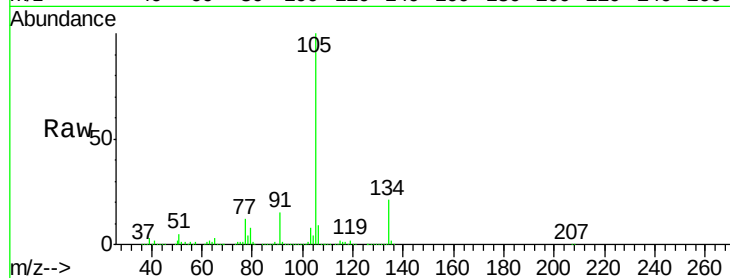
VSTDIC150

Tgt Ion:105 Resp: 3069961

Ion Ratio Lower Upper

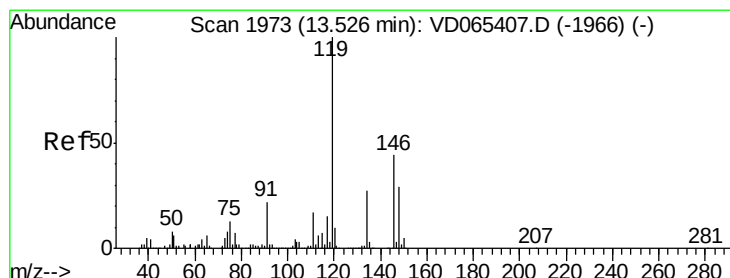
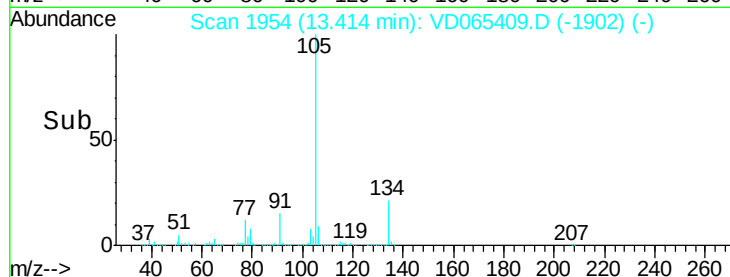
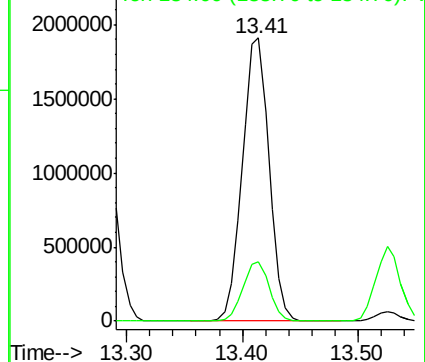
105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 148.96 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

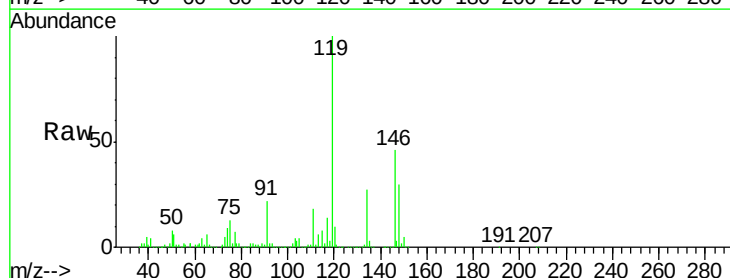
Tgt Ion:119 Resp: 2827829

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

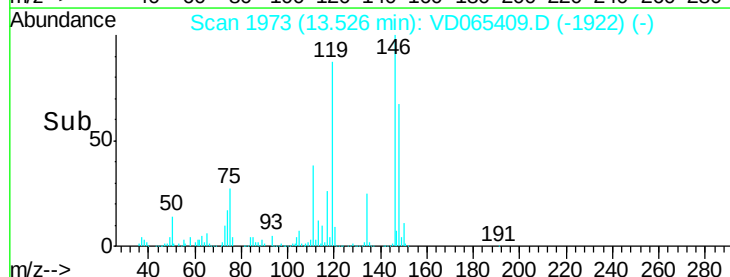
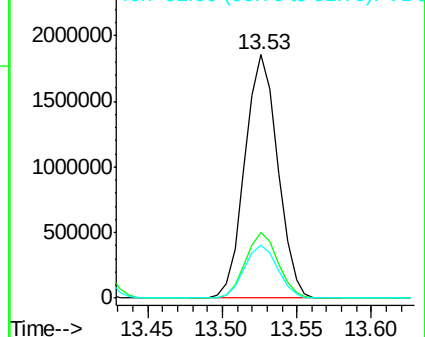
91 21.9 10.9 32.6

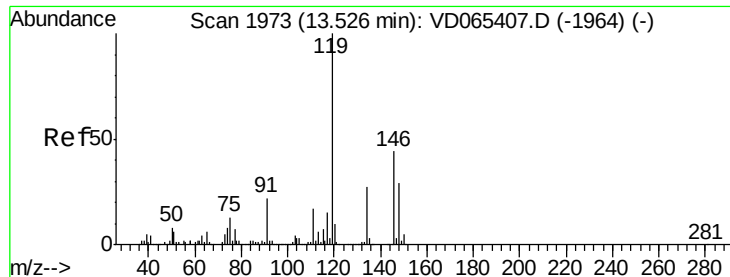


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

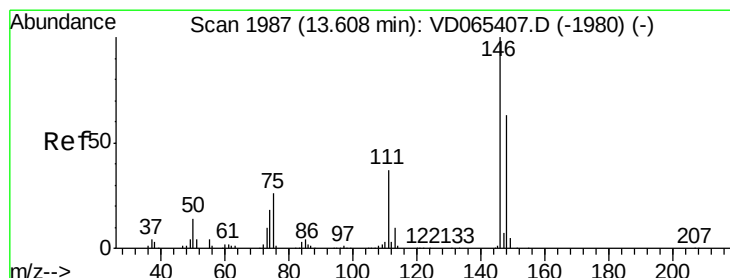
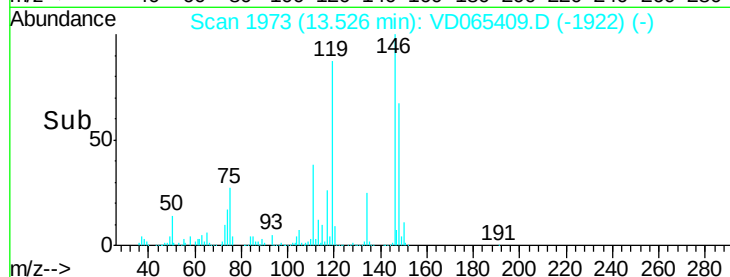
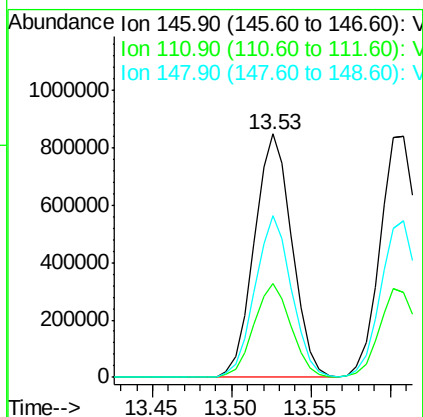
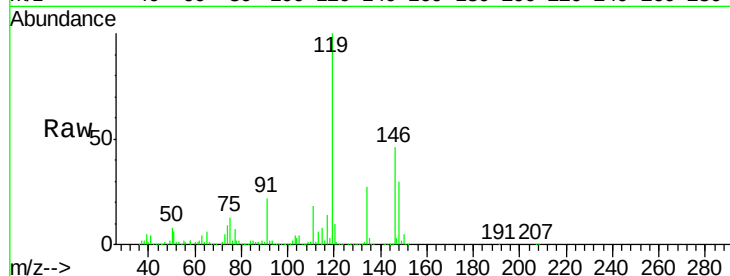




#87
 1,3-Dichlorobenzene
 Concen: 139.62 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

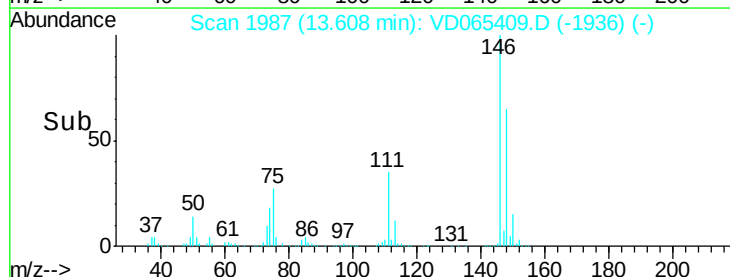
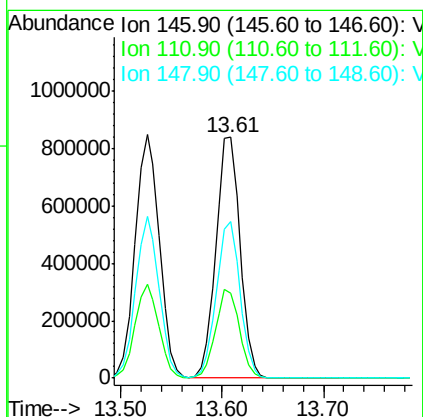
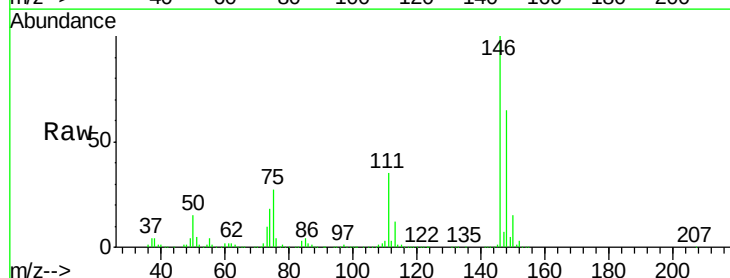
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

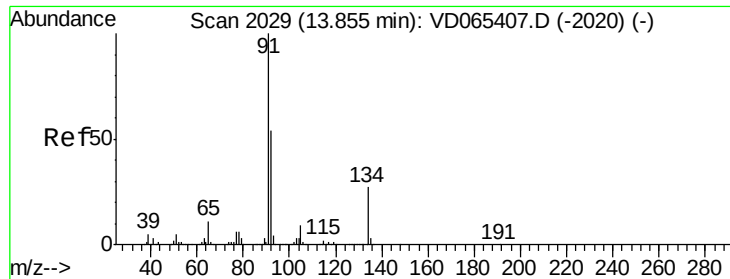
Tgt Ion:146 Resp: 1401574
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 64.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 139.41 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion:146 Resp: 1396055
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.5 55.5
 148 63.7 32.0 96.0





#89

n-Butylbenzene

Concen: 149.26 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

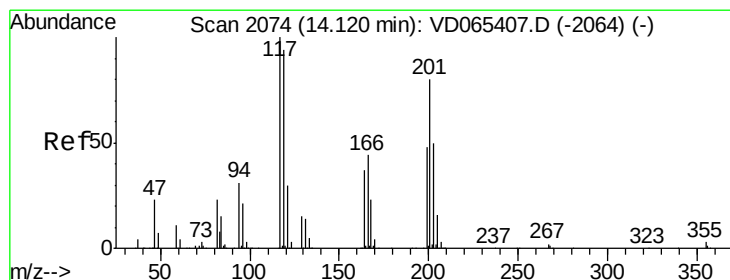
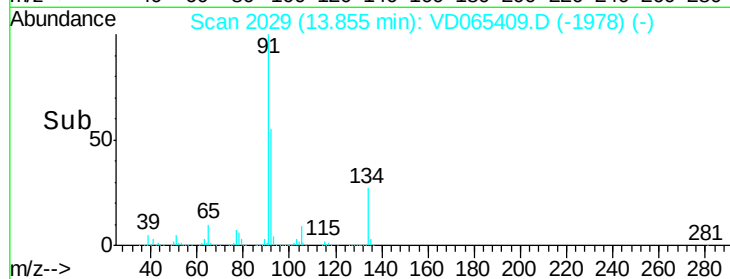
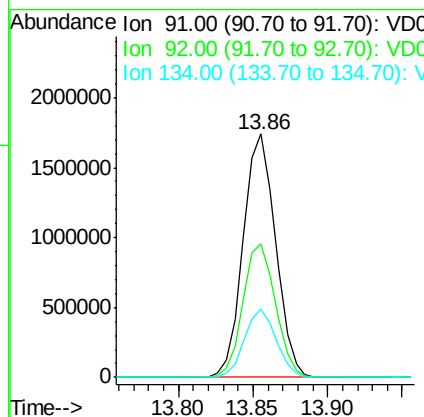
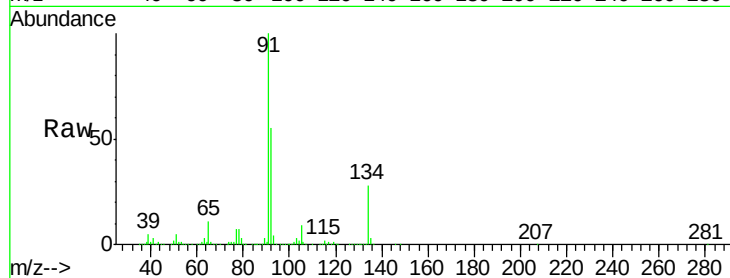
Tgt Ion: 91 Resp: 2614892

Ion Ratio Lower Upper

91 100

92 54.9 26.8 80.4

134 27.3 13.4 40.2



#90

Hexachloroethane

Concen: 141.21 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065409.D

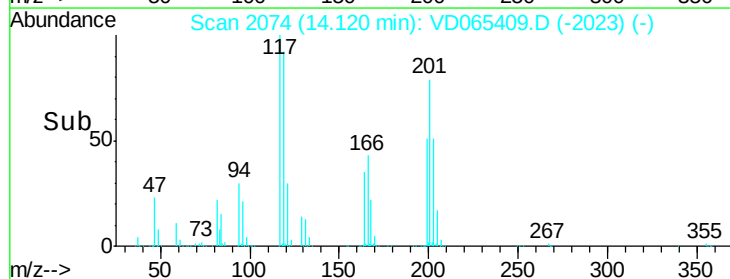
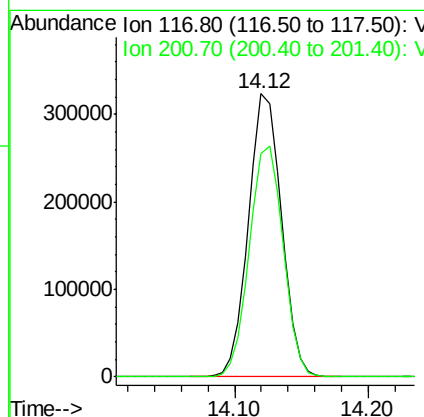
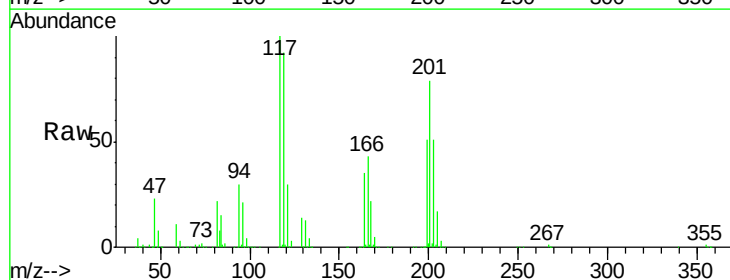
Acq: 04 Mar 2020 12:55

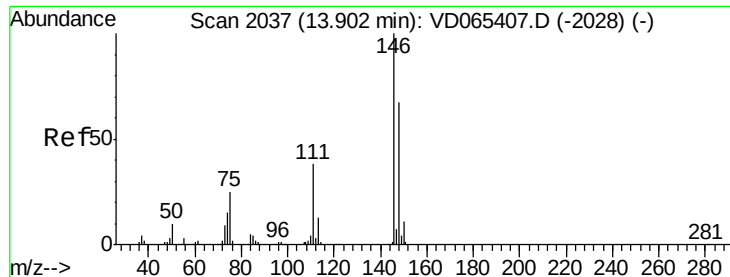
Tgt Ion: 117 Resp: 553567

Ion Ratio Lower Upper

117 100

201 83.3 41.9 125.6

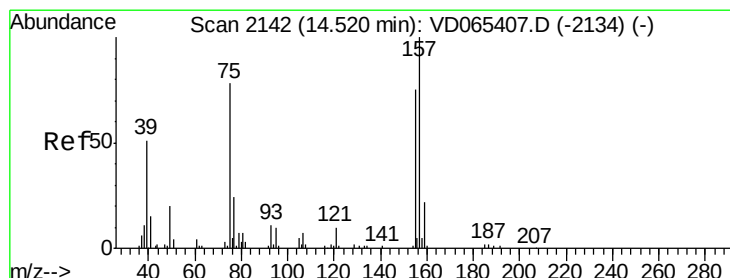
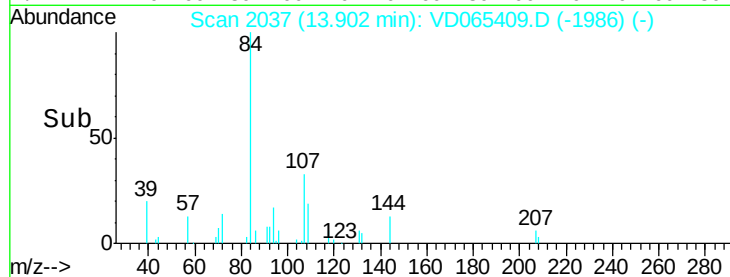
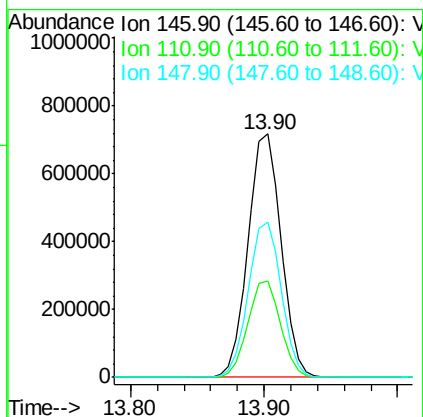
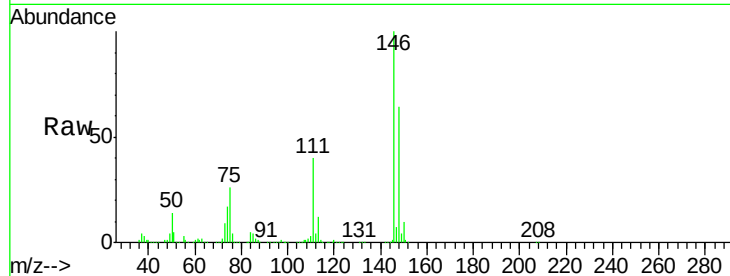




#91
 1,2-Dichlorobenzene
 Concen: 142.19 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

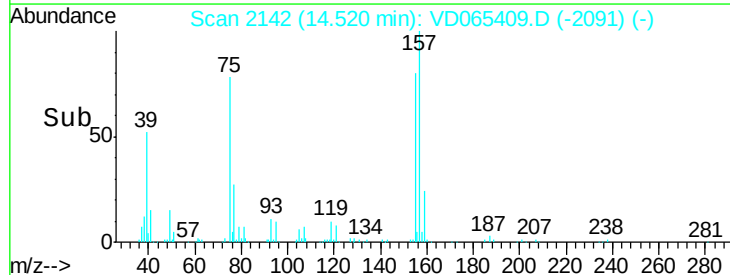
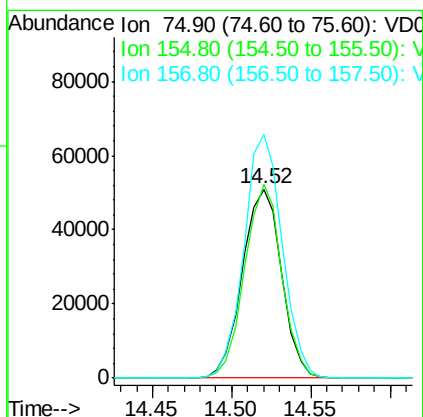
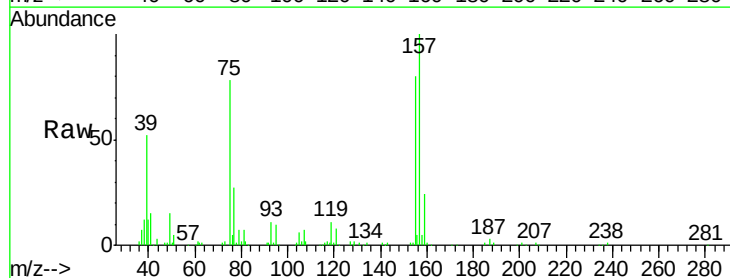
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

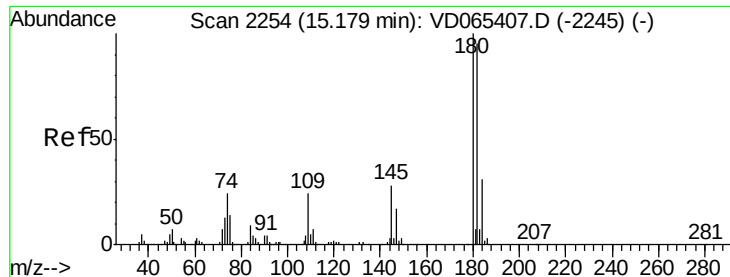
Tgt Ion:146 Resp: 1223665
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.3
 148 64.0 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.90 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 75 Resp: 87846
 Ion Ratio Lower Upper
 75 100
 155 96.6 46.4 139.1
 157 125.5 60.2 180.4

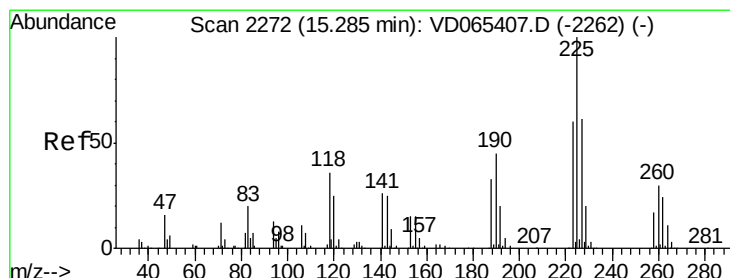
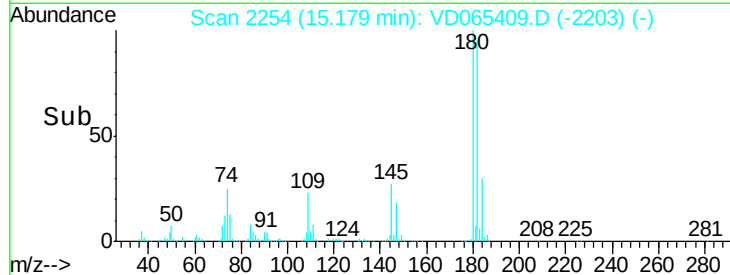
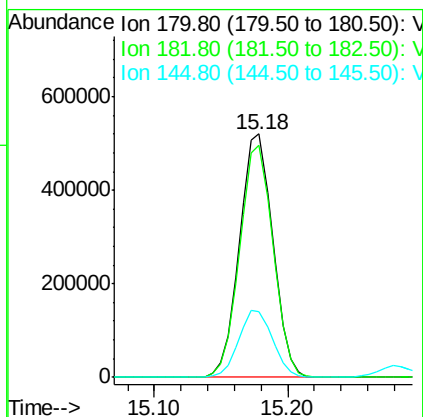
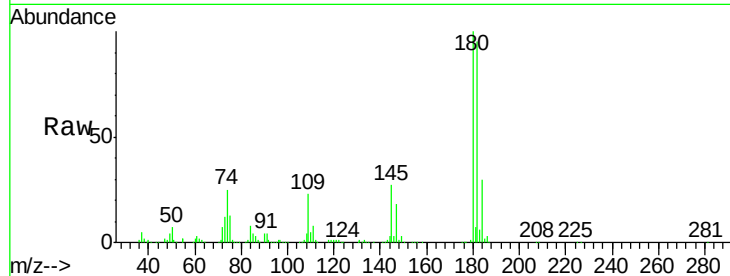




#93
 1,2,4-Trichlorobenzene
 Concen: 155.37 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

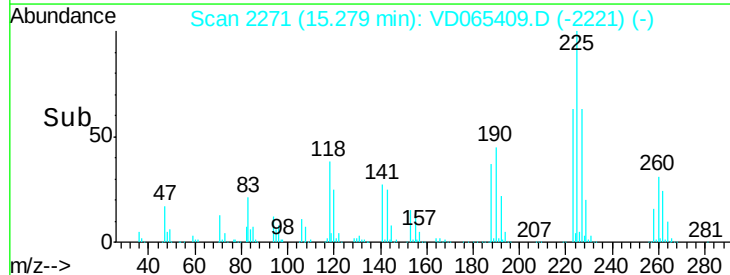
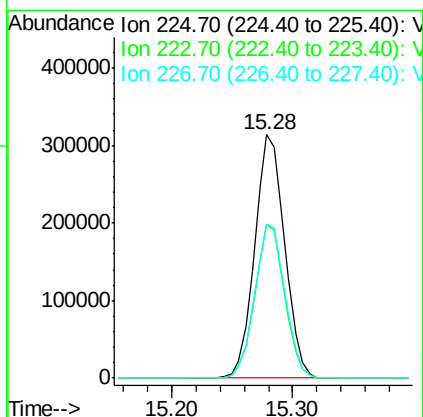
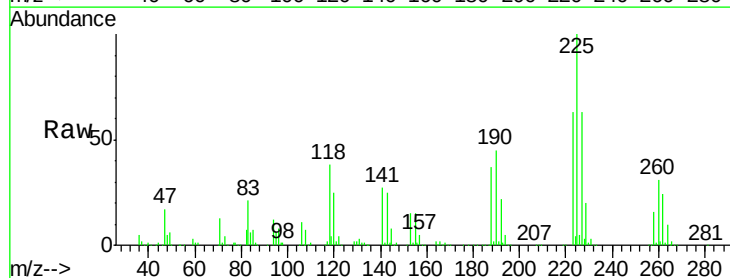
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

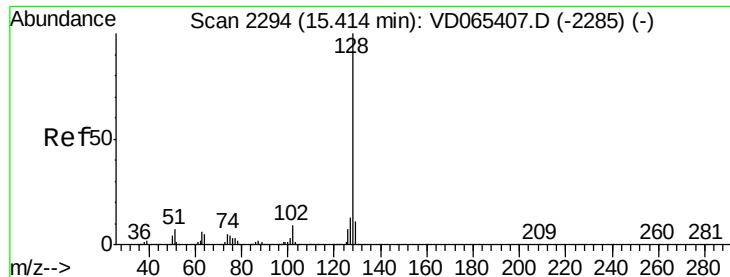
Tgt Ion:180 Resp: 899409
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 28.1 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 142.55 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion:225 Resp: 539796
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.5
 227 63.8 31.6 94.7

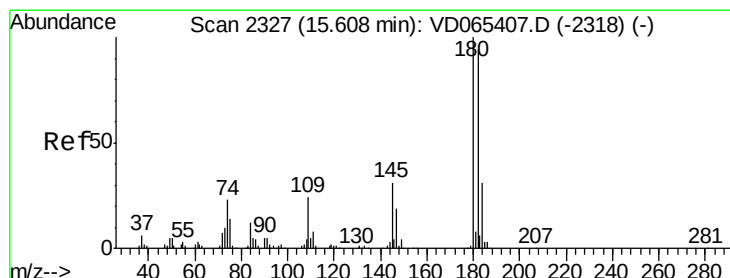
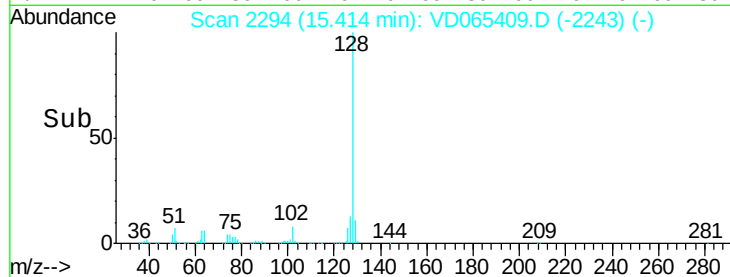
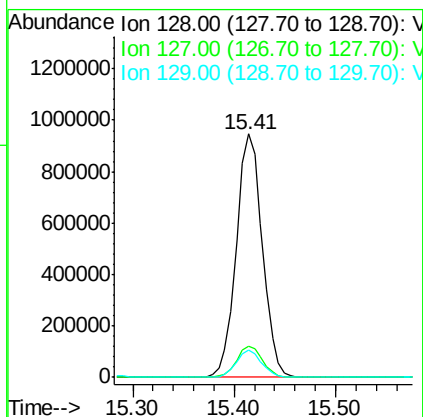
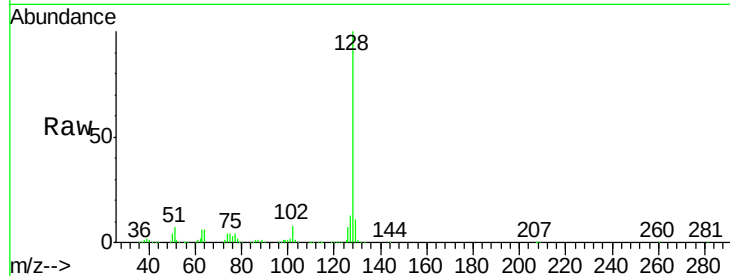




#95
Naphthalene
Concen: 180.69 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1682128
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 156.01 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion:180 Resp: 784456
Ion Ratio Lower Upper
180 100
182 95.0 46.9 140.6
145 30.4 15.0 45.1

