

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065483.D
 Acq On : 12 Mar 2020 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 13 04:24:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	488969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	685690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	202687	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.92	113	216529	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.34	98	848782	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.64	95	266215	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171423	40.79	ug/l	100
3) Chloromethane	2.21	50	212139	41.81	ug/l	96
4) Vinyl Chloride	2.36	62	225015	44.96	ug/l	96
5) Bromomethane	2.78	94	137405	48.90	ug/l	99
6) Chloroethane	2.93	64	138953	45.34	ug/l	100
7) Trichlorofluoromethane	3.28	101	334013	45.30	ug/l	99
8) Diethyl Ether	3.71	74	93659	42.71	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	217088	45.71	ug/l	99
10) Methyl Iodide	4.30	142	237718	48.18	ug/l	99
11) Tert butyl alcohol	5.24	59	51146	212.59	ug/l	99
12) 1,1-Dichloroethene	4.07	96	201502	44.31	ug/l	95
13) Acrolein	3.93	56	94288	227.24	ug/l	98
14) Allyl chloride	4.71	41	302478	43.30	ug/l	99
15) Acrylonitrile	5.43	53	209667	219.78	ug/l	99
16) Acetone	4.17	43	224674	264.86	ug/l	100
17) Carbon Disulfide	4.40	76	646600	42.70	ug/l	99
18) Methyl Acetate	4.72	43	88430	41.10	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	389620	44.55	ug/l	97
20) Methylene Chloride	4.96	84	222013	48.06	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	235051	46.47	ug/l	96
22) Diisopropyl ether	6.37	45	617240	47.53	ug/l	97
23) Vinyl Acetate	6.31	43	1680518	233.07	ug/l	100
24) 1,1-Dichloroethane	6.27	63	381094	45.75	ug/l	99
25) 2-Butanone	7.22	43	262360	226.64	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343525	47.19	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	241786	46.76	ug/l	99
28) Bromochloromethane	7.55	49	151417	45.44	ug/l	98
29) Tetrahydrofuran	7.57	42	159199	215.35	ug/l	98
30) Chloroform	7.71	83	392349	47.13	ug/l	99
31) Cyclohexane	7.98	56	363125	43.60	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	359119	46.68	ug/l	99
36) 1,1-Dichloropropene	8.11	75	320602	48.78	ug/l	99
37) Ethyl Acetate	7.30	43	115133	45.32	ug/l	99
38) Carbon Tetrachloride	8.10	117	330407	48.48	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	385156	48.52	ug/l	97
40) Benzene	8.36	78	906384	49.32	ug/l	100
41) Methacrylonitrile	7.53	41	76156	56.68	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	232133	48.37	ug/l	100
43) Isopropyl Acetate	8.46	43	205736	43.86	ug/l	97
44) Trichloroethene	9.11	130	253782	48.90	ug/l	99
45) 1,2-Dichloropropane	9.39	63	216972	48.74	ug/l	97
46) Dibromomethane	9.48	93	112463	48.71	ug/l	99
47) Bromodichloromethane	9.67	83	294854	49.08	ug/l	99
48) Methyl methacrylate	9.46	41	110698	50.17	ug/l	92
49) 1,4-Dioxane	9.47	88	23637	894.93	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	558401	236.56	ug/l	100
52) Toluene	10.41	92	586009	50.62	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	270753	48.23	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	331641	48.81	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	157237	48.08	ug/l	99
56) Ethyl methacrylate	10.67	69	175995	47.74	ug/l	99
57) 1,3-Dichloropropane	10.96	76	263214	47.57	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	257583	223.77	ug/l	99
59) 2-Hexanone	10.99	43	410002	250.91	ug/l	99
60) Dibromochloromethane	11.14	129	207403	49.47	ug/l	100
61) 1,2-Dibromoethane	11.26	107	148896	47.73	ug/l	100
64) Tetrachloroethene	10.88	164	220221	49.18	ug/l	98
65) Chlorobenzene	11.68	112	602639	48.74	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	227980	50.62	ug/l	96
67) Ethyl Benzene	11.75	91	1081642	50.63	ug/l	99
68) m/p-Xylenes	11.86	106	841701	102.17	ug/l	99
69) o-Xylene	12.19	106	370430	51.12	ug/l	100
70) Styrene	12.20	104	652667	51.17	ug/l	99
71) Bromoform	12.37	173	120566	47.66	ug/l #	98
73) Isopropylbenzene	12.48	105	1030711	50.16	ug/l	100
74) N-amyl acetate	12.30	43	188320	44.77	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	164951	45.67	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	211085	85.63	ug/l #	100
77) Bromobenzene	12.77	156	249701	48.91	ug/l	97
78) n-propylbenzene	12.83	91	1242872	50.98	ug/l	100
79) 2-Chlorotoluene	12.91	91	672195	48.92	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	863929	51.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	53178	45.52	ug/l	98
82) 4-Chlorotoluene	13.01	91	715220	49.53	ug/l	100
83) tert-Butylbenzene	13.23	119	744490	52.09	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	847163	50.87	ug/l	100
85) sec-Butylbenzene	13.41	105	1026967	50.34	ug/l	99
86) p-Isopropyltoluene	13.53	119	954554	51.28	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	480498	48.95	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	467813	47.91	ug/l	100
89) n-Butylbenzene	13.86	91	871078	50.61	ug/l	99
90) Hexachloroethane	14.13	117	187180	48.83	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	406368	48.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23650	42.99	ug/l	96

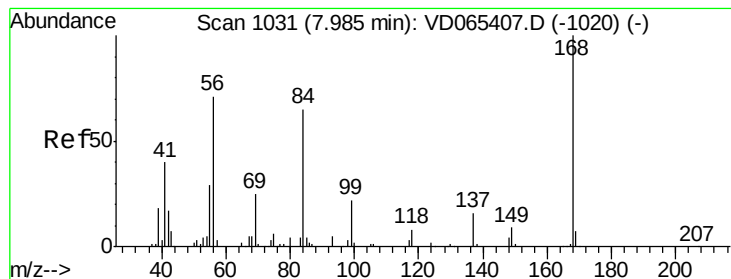
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273538	48.32	ug/l	99
94) Hexachlorobutadiene	15.28	225	184844	49.69	ug/l	99
95) Naphthalene	15.41	128	424020	42.73	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	237103	48.47	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

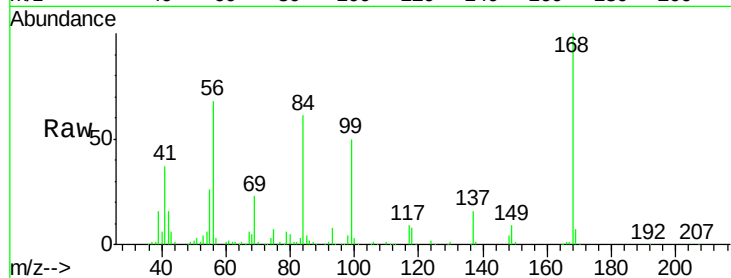
VSTDCCC050

Tgt Ion:168 Resp: 488969

Ion Ratio Lower Upper

168 100

99 50.0 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

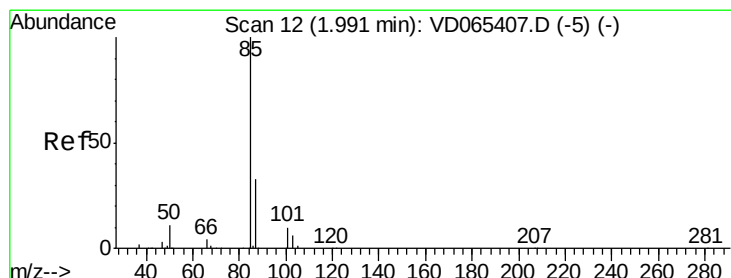
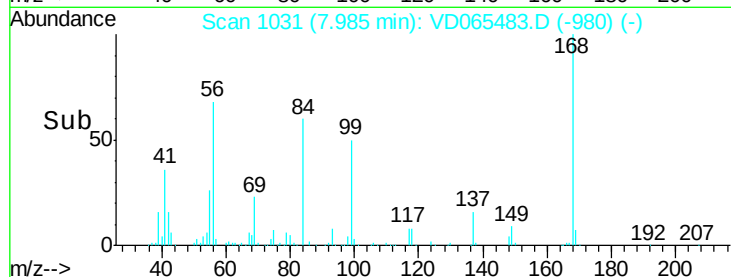
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.79 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065483.D

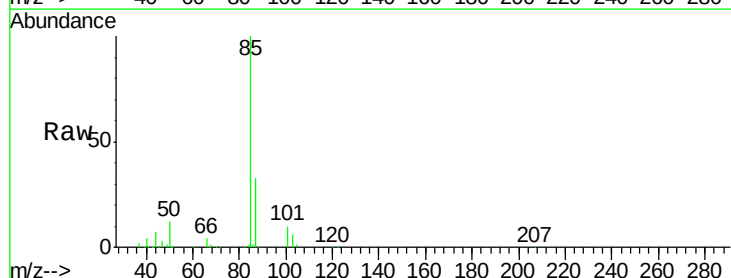
Acq: 12 Mar 2020 10:17

Tgt Ion: 85 Resp: 171423

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

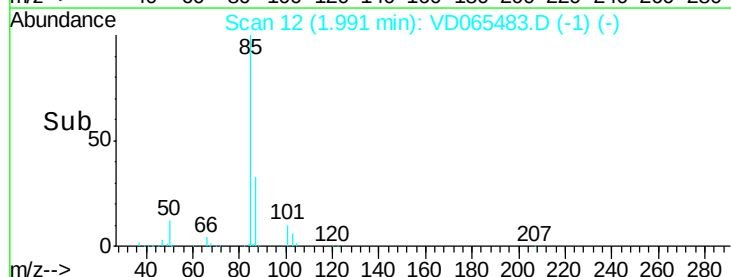
100000

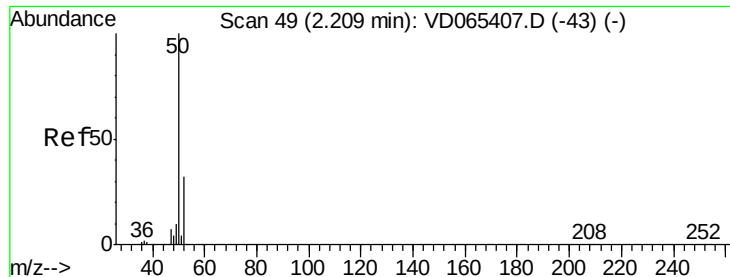
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.81 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

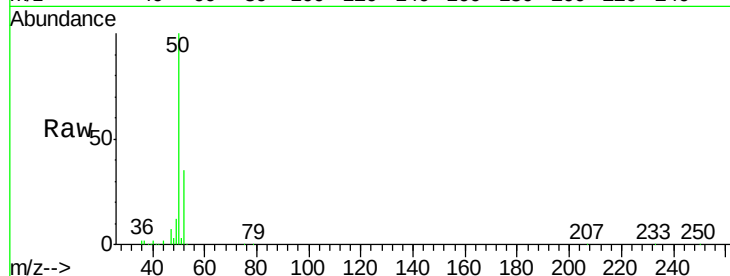
VSTDCCC050

Tgt Ion: 50 Resp: 212139

Ion Ratio Lower Upper

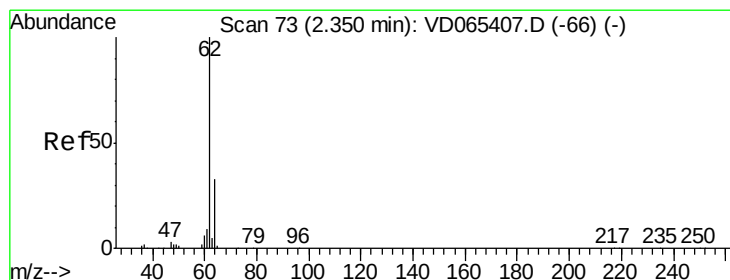
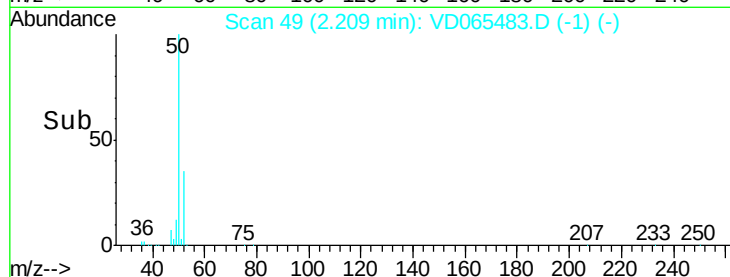
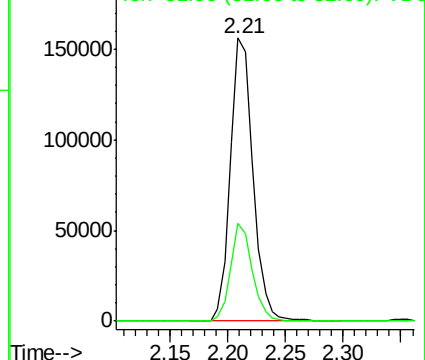
50 100

52 34.6 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: 44.96 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065483.D

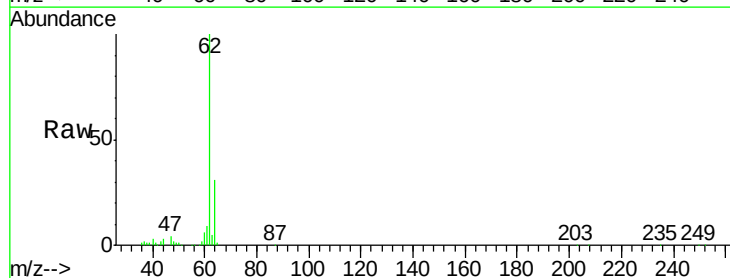
Acq: 12 Mar 2020 10:17

Tgt Ion: 62 Resp: 225015

Ion Ratio Lower Upper

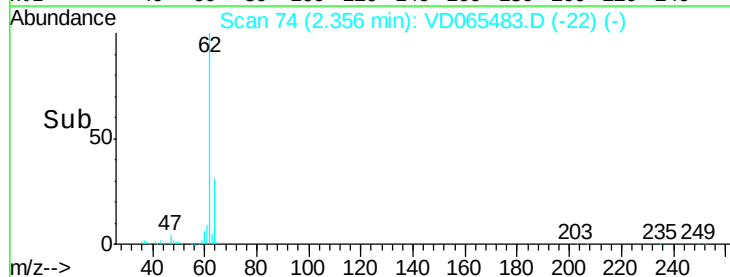
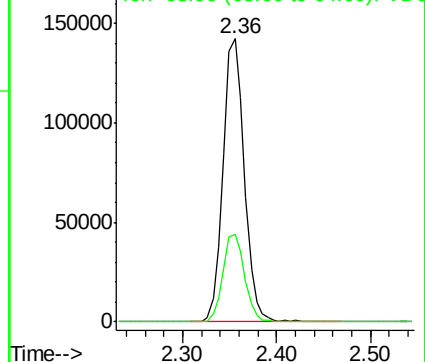
62 100

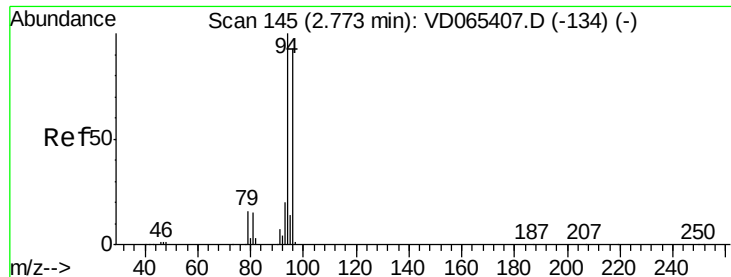
64 31.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.90 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

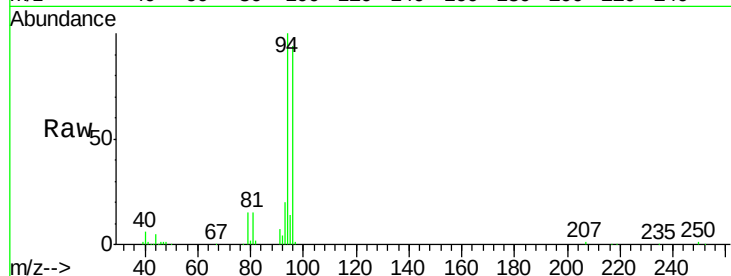
VSTDCCC050

Tgt Ion: 94 Resp: 137405

Ion Ratio Lower Upper

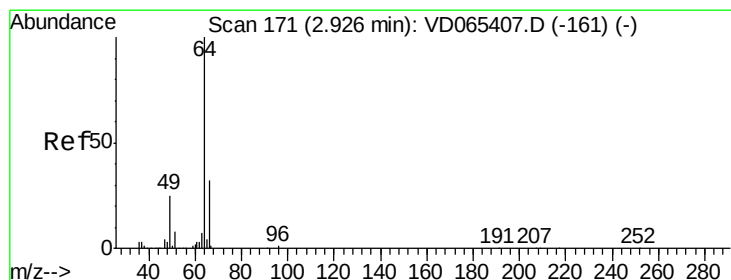
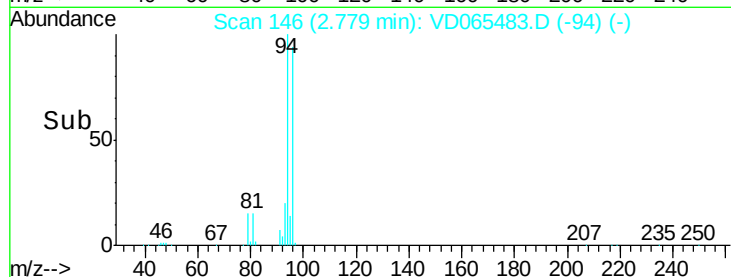
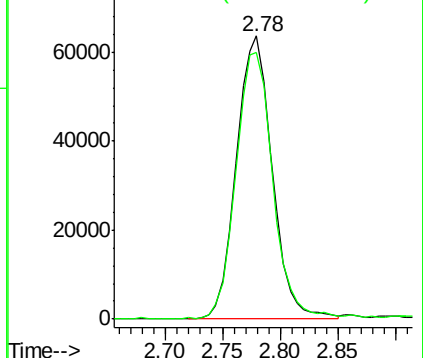
94 100

96 93.7 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: 45.34 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065483.D

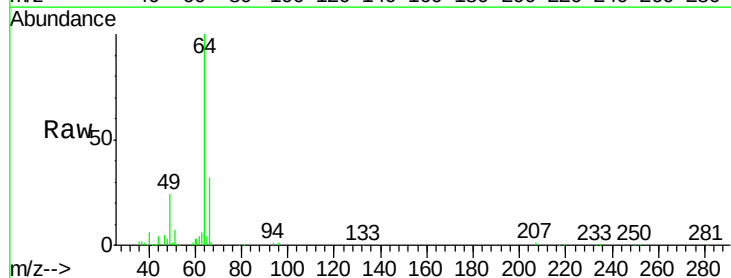
Acq: 12 Mar 2020 10:17

Tgt Ion: 64 Resp: 138953

Ion Ratio Lower Upper

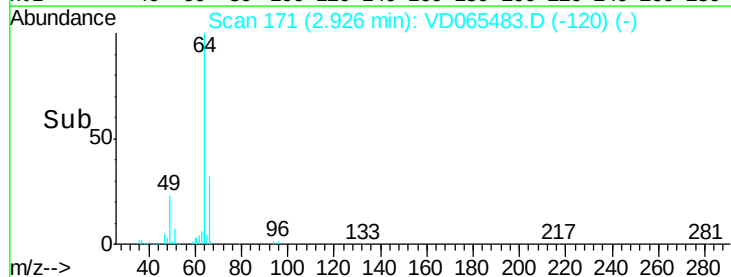
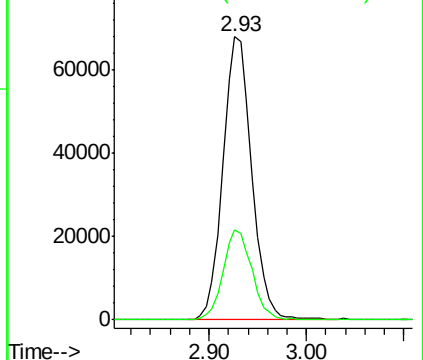
64 100

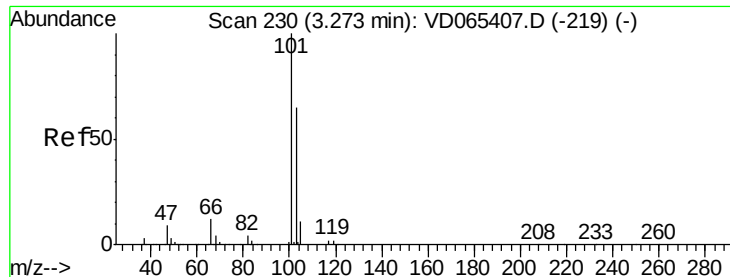
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



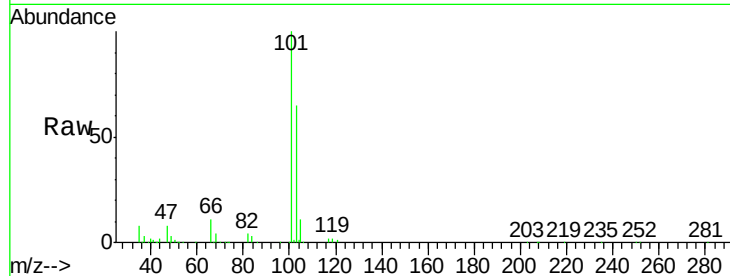


#7

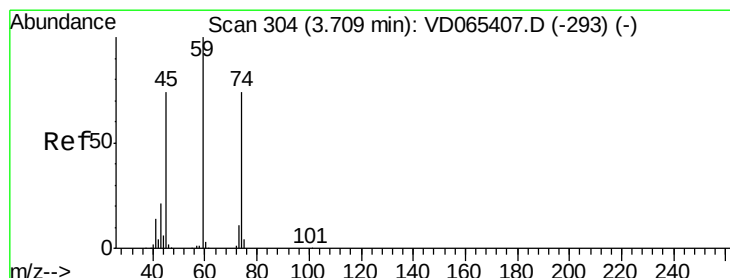
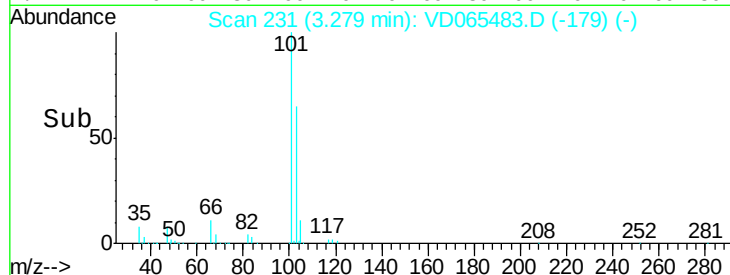
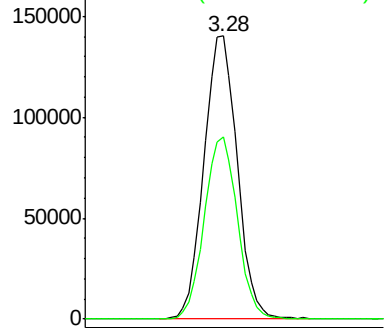
Trichlorofluoromethane
 Concen: 45.30 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 334013
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.1 78.1



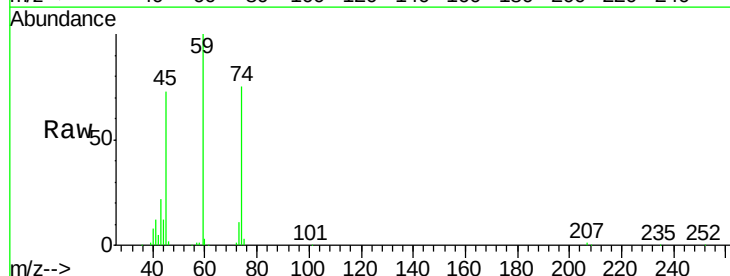
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



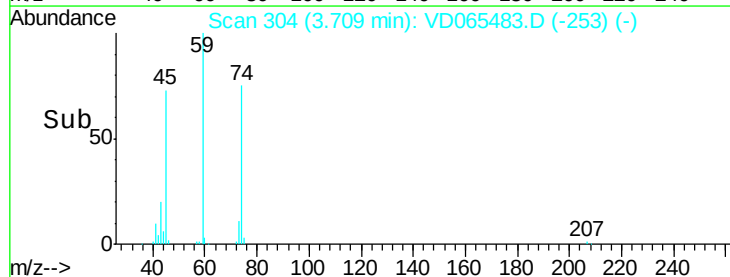
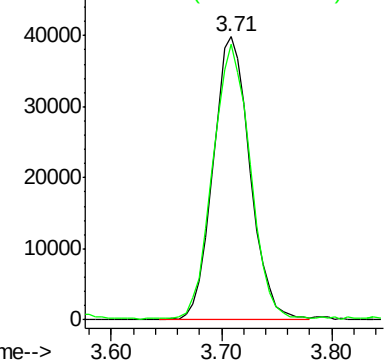
#8

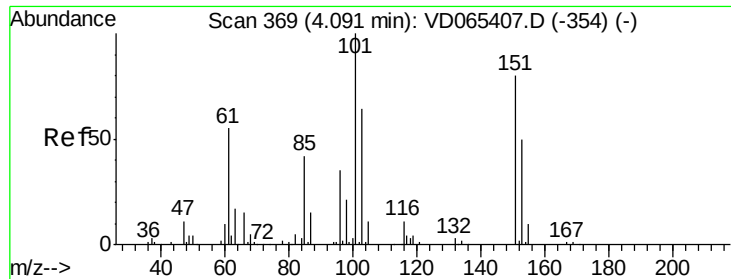
Diethyl Ether
 Concen: 42.71 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 74 Resp: 93659
 Ion Ratio Lower Upper
 74 100
 45 98.0 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.71 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

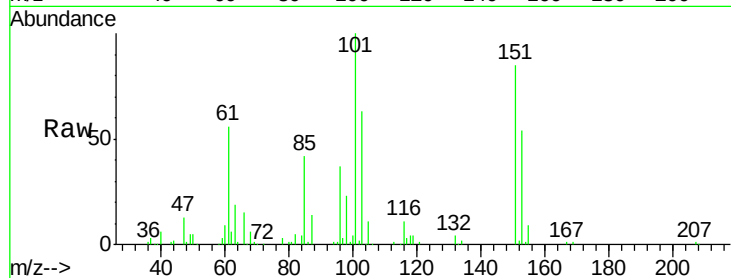
Tgt Ion:101 Resp: 217088

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

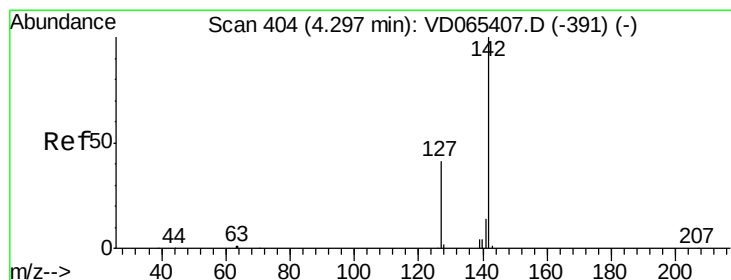
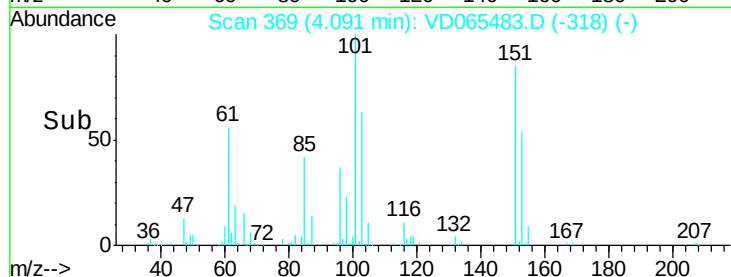
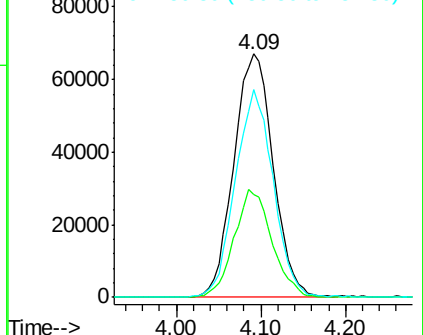
151 82.0 65.1 97.7



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: 48.18 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

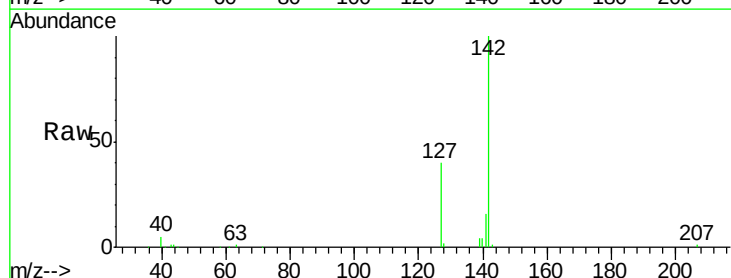
Tgt Ion:142 Resp: 237718

Ion Ratio Lower Upper

142 100

127 42.9 35.0 52.6

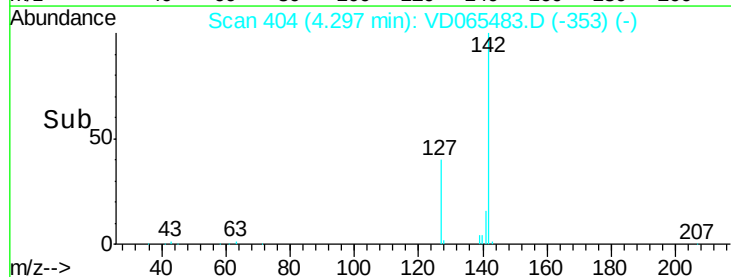
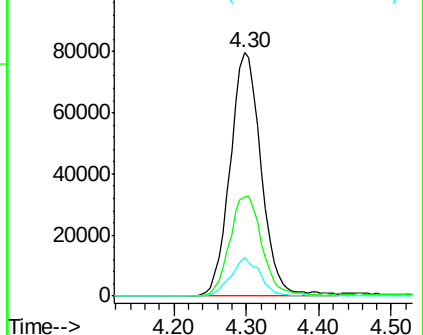
141 14.8 12.4 18.6

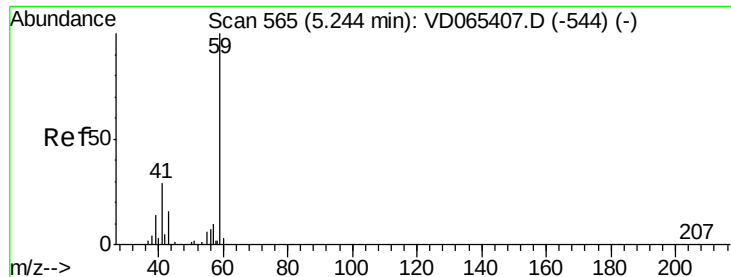


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 212.59 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

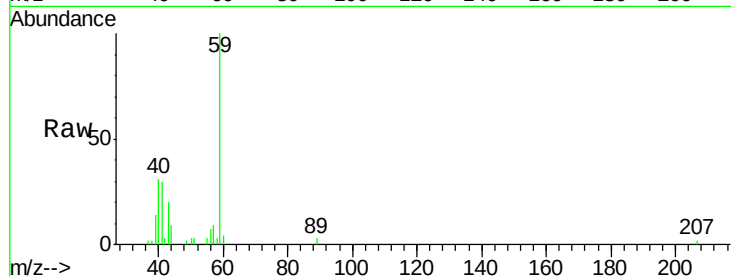
VSTDCCC050

Tgt Ion: 59 Resp: 51146

Ion Ratio Lower Upper

59 100

57 8.8 6.9 10.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

30000

25000

20000

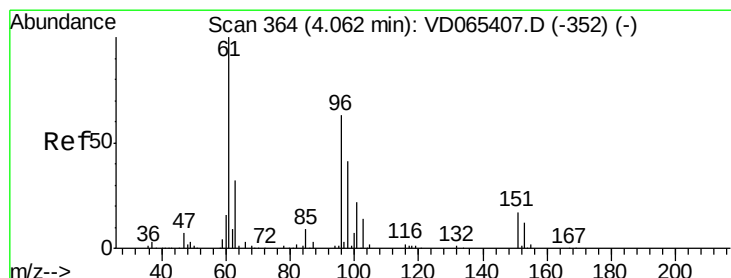
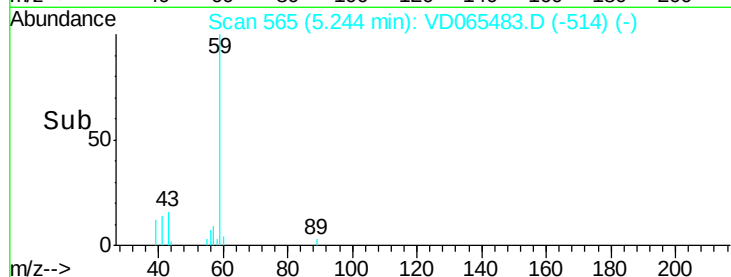
15000

10000

5000

0

Time--> 5.00 5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 44.31 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

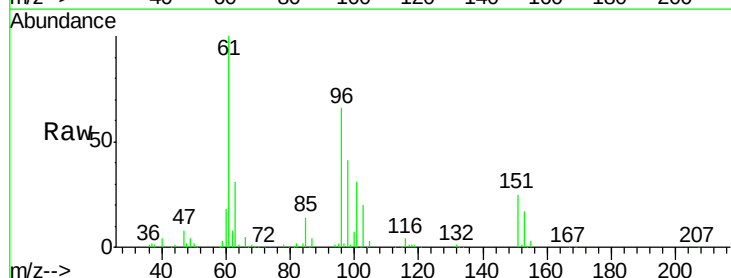
Tgt Ion: 96 Resp: 201502

Ion Ratio Lower Upper

96 100

61 151.8 128.0 192.0

98 62.2 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

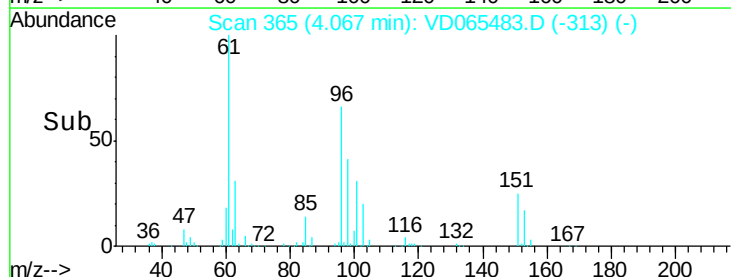
150000

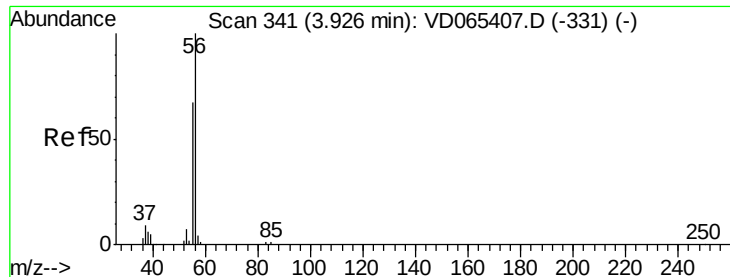
100000

50000

0

Time--> 3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 227.24 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

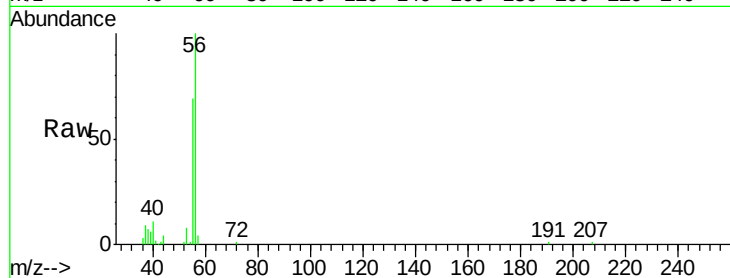
VSTDCCC050

Tgt Ion: 56 Resp: 94288

Ion Ratio Lower Upper

56 100

55 68.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

30000

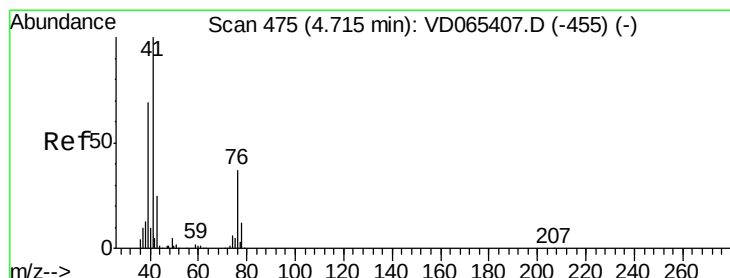
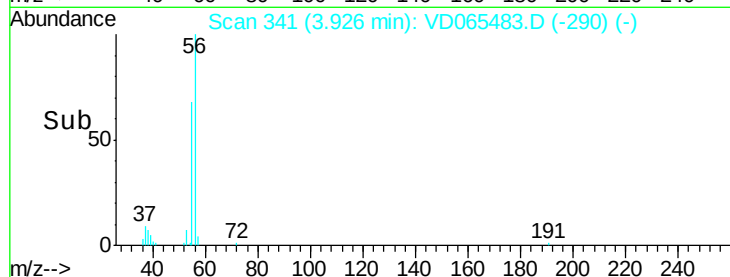
20000

10000

0

Time-->

3.80 3.90 4.00 4.10



#14

Allyl chloride

Concen: 43.30 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

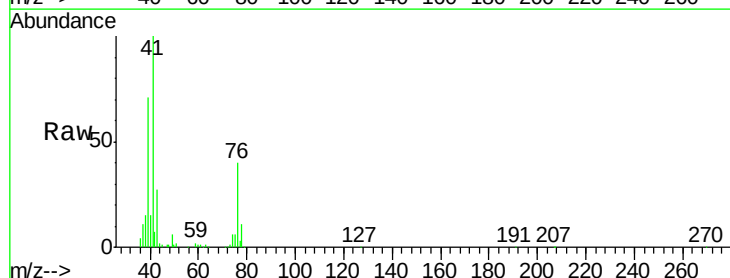
Tgt Ion: 41 Resp: 302478

Ion Ratio Lower Upper

41 100

39 66.7 52.6 79.0

76 37.7 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

120000

100000

80000

60000

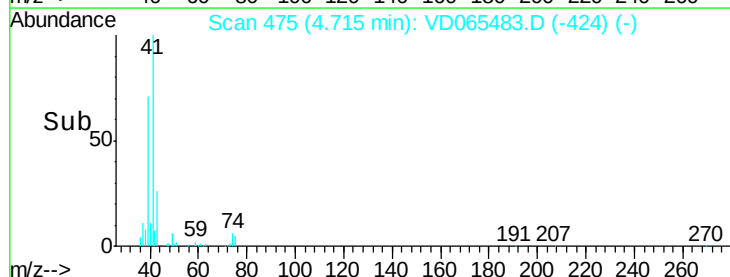
40000

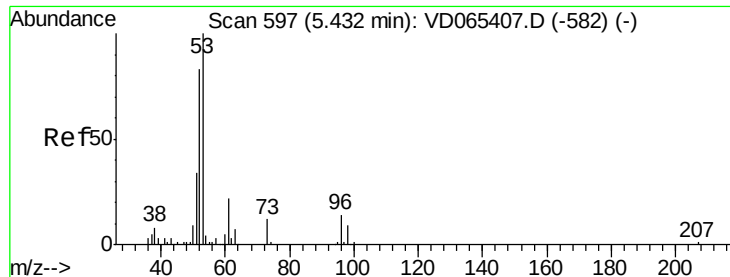
20000

0

Time-->

4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 219.78 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

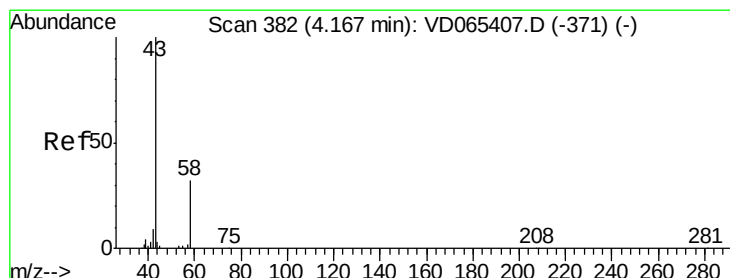
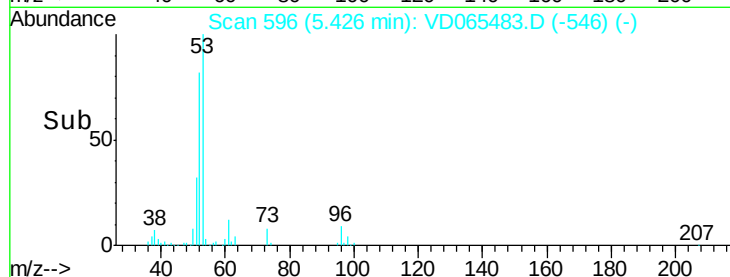
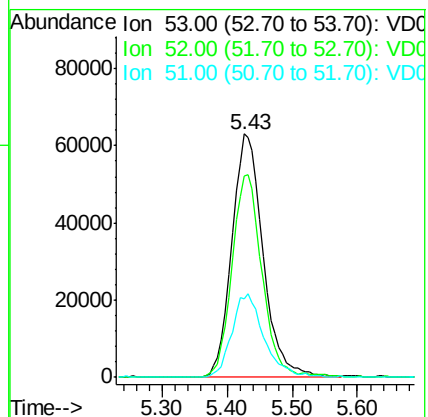
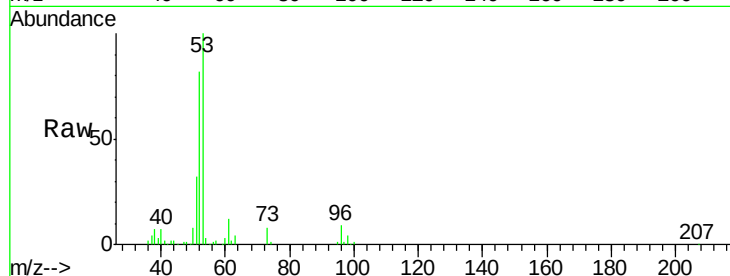
Tgt Ion: 53 Resp: 209667

Ion Ratio Lower Upper

53 100

52 80.3 65.1 97.7

51 35.4 28.5 42.7



#16

Acetone

Concen: 264.86 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065483.D

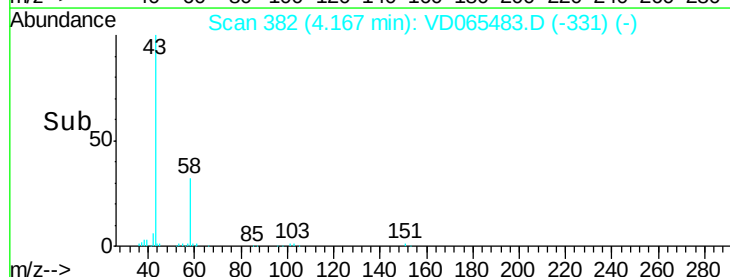
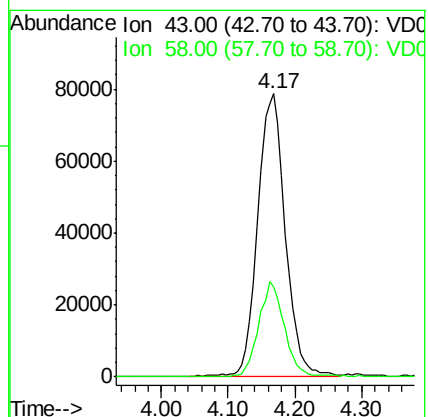
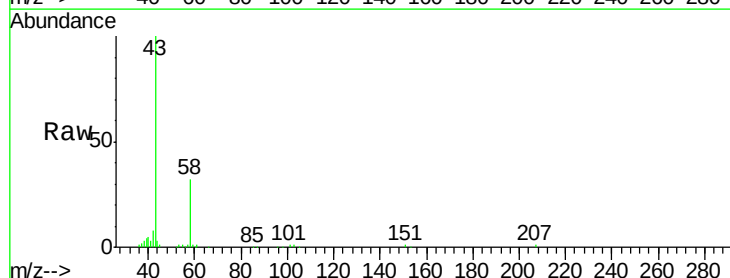
Acq: 12 Mar 2020 10:17

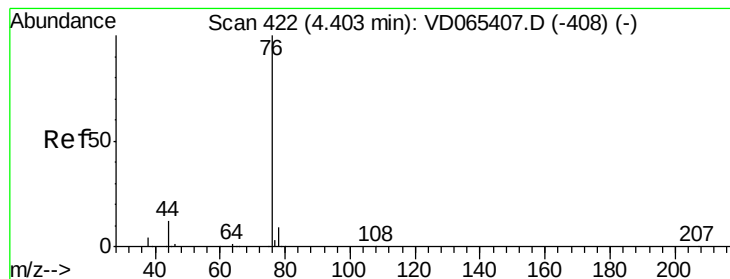
Tgt Ion: 43 Resp: 224674

Ion Ratio Lower Upper

43 100

58 31.6 25.1 37.7





#17

Carbon Disulfide

Concen: 42.70 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

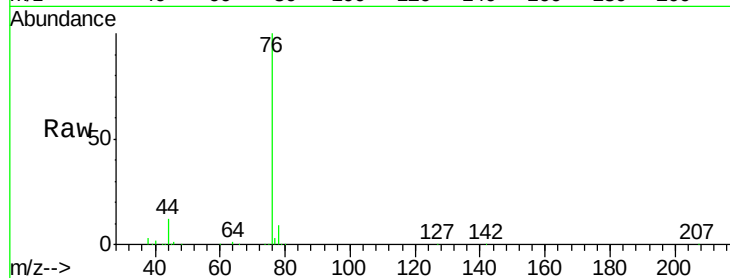
VSTDCCC050

Tgt Ion: 76 Resp: 646600

Ion Ratio Lower Upper

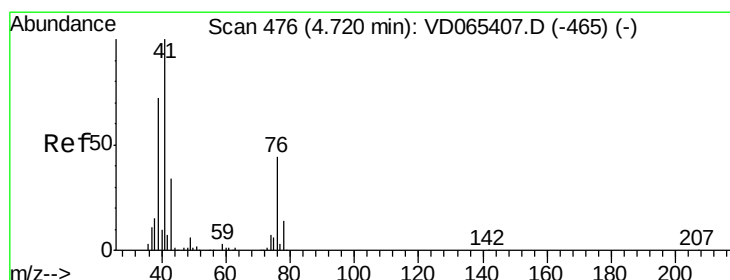
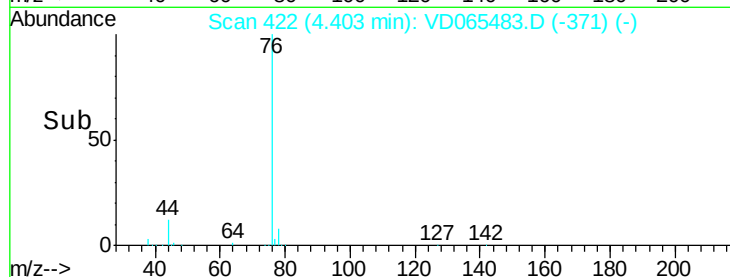
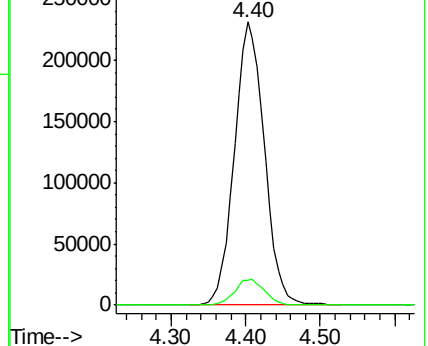
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 41.10 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065483.D

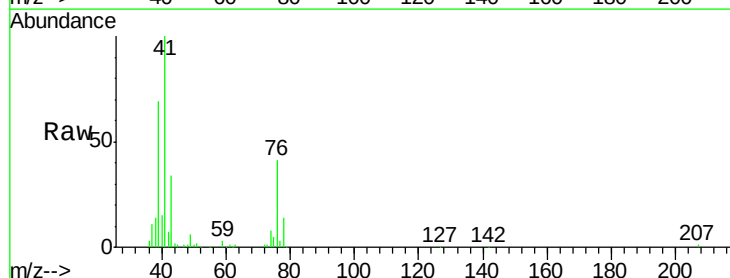
Acq: 12 Mar 2020 10:17

Tgt Ion: 43 Resp: 88430

Ion Ratio Lower Upper

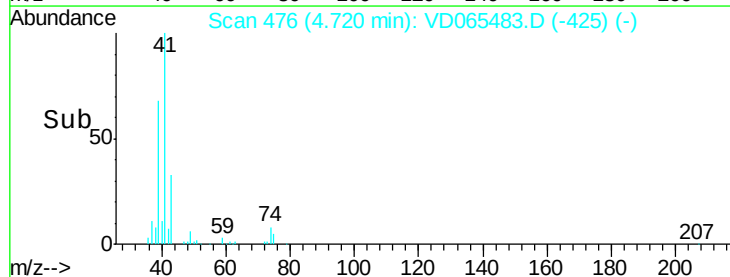
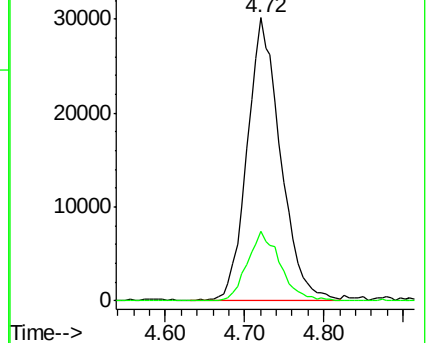
43 100

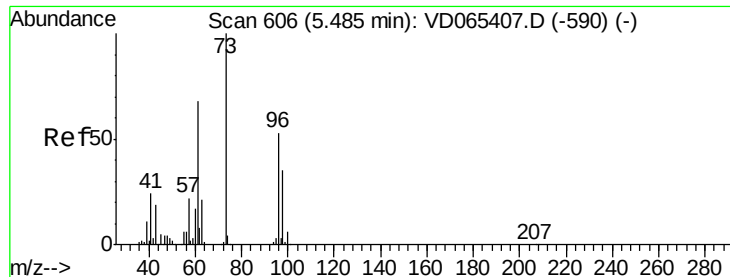
74 24.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

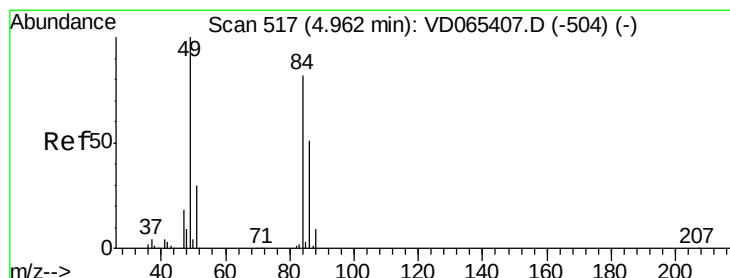
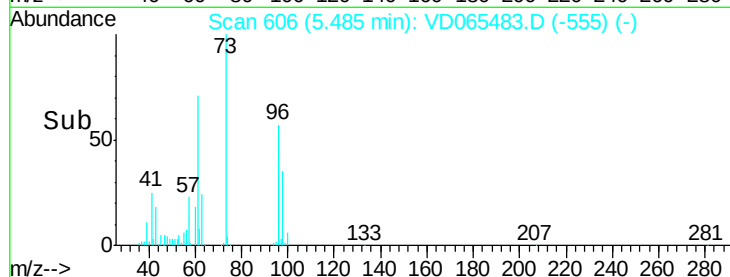
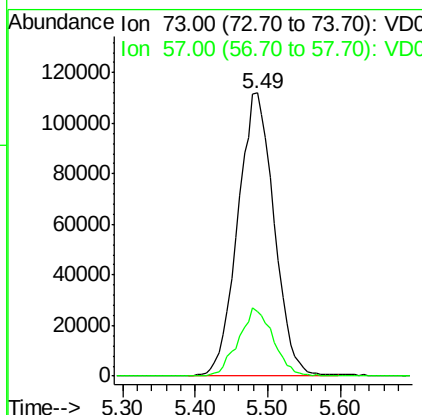
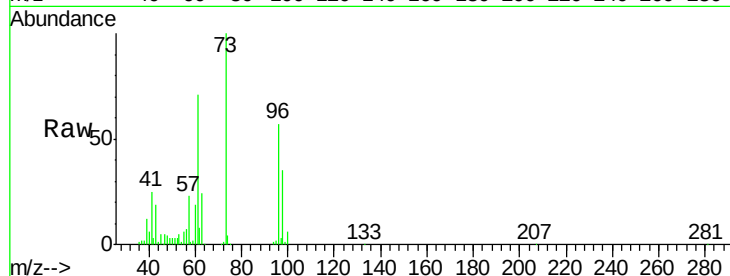




#19
Methyl tert-butyl Ether
Concen: 44.55 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

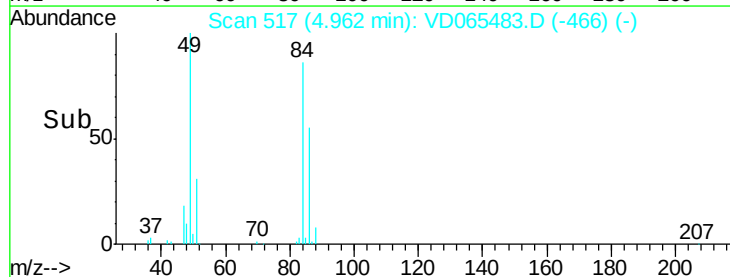
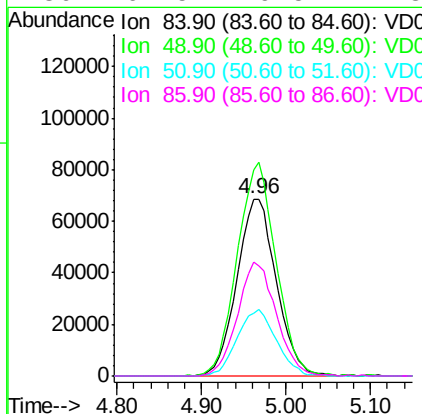
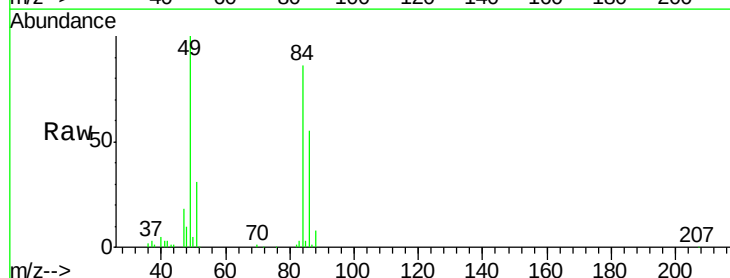
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

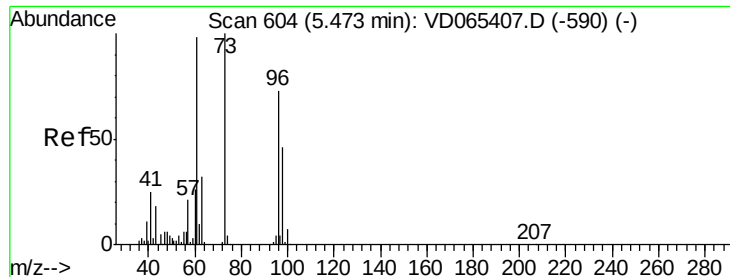
Tgt Ion: 73 Resp: 389620
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 48.06 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 84 Resp: 222013
Ion Ratio Lower Upper
84 100
49 116.5 97.7 146.5
51 35.7 28.8 43.2
86 64.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 46.47 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

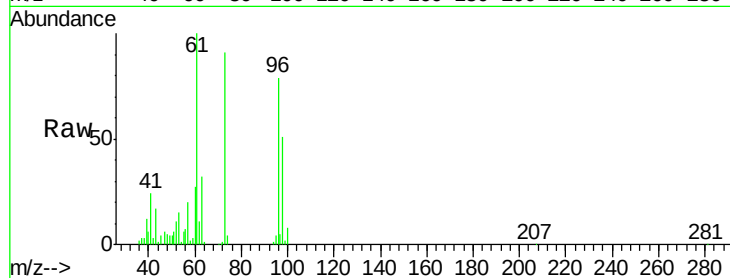
Tgt Ion: 96 Resp: 235051

Ion Ratio Lower Upper

96 100

61 126.5 106.3 159.5

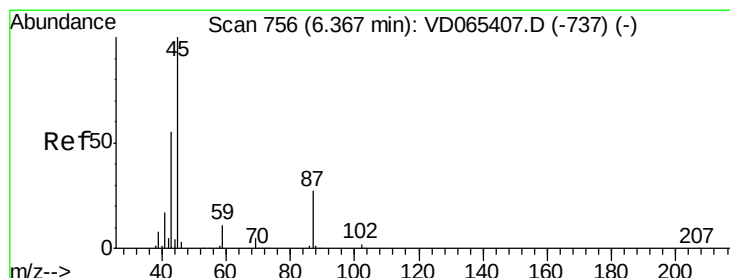
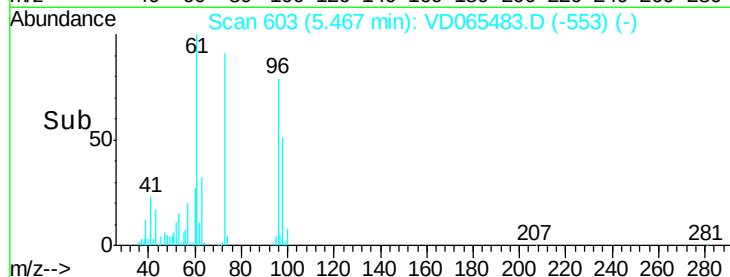
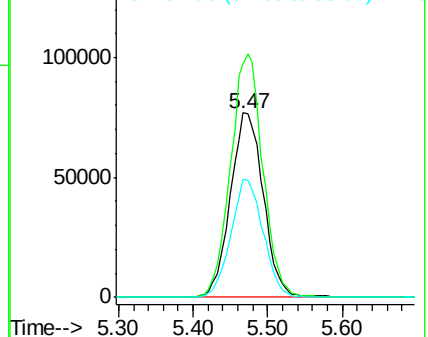
98 63.9 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.53 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion: 45 Resp: 617240

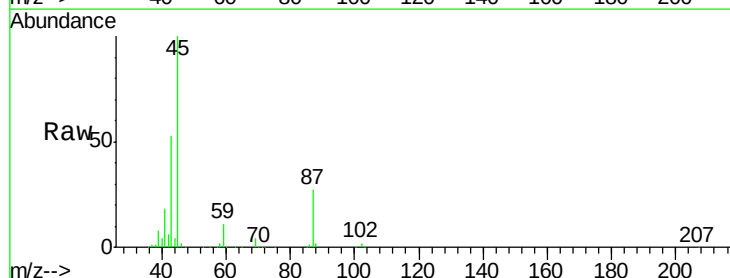
Ion Ratio Lower Upper

45 100

43 52.2 44.4 66.6

87 26.6 21.9 32.9

59 11.3 9.2 13.8

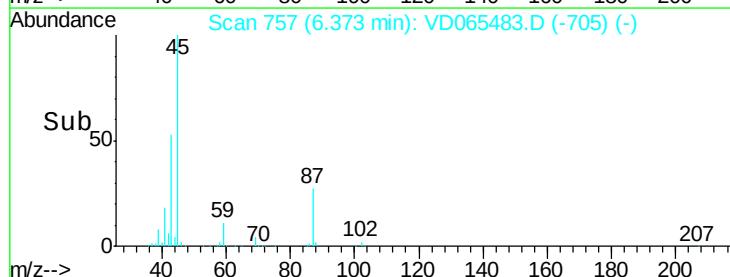
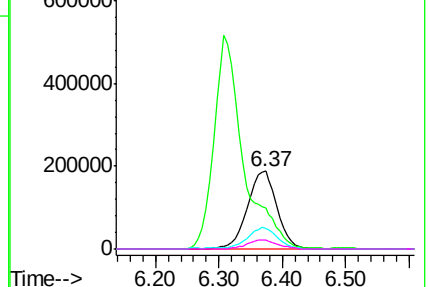


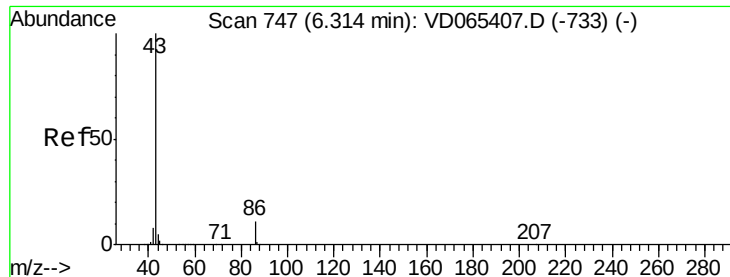
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 233.07 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

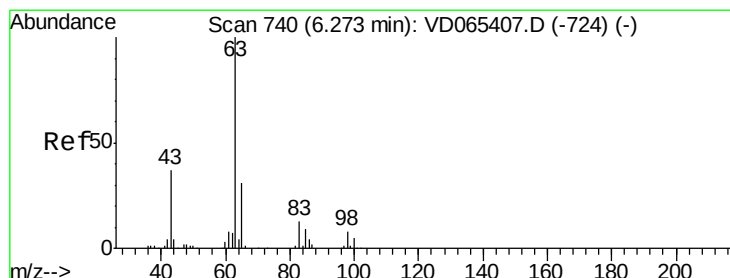
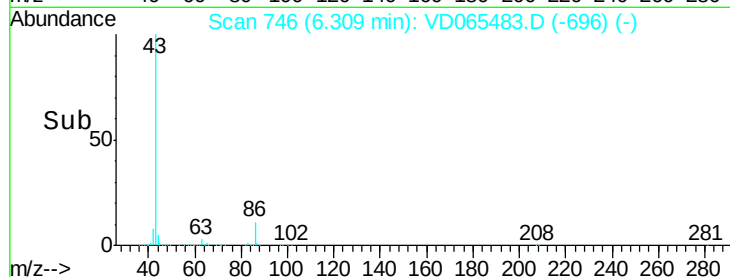
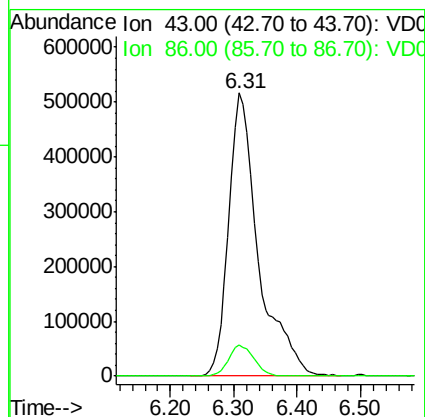
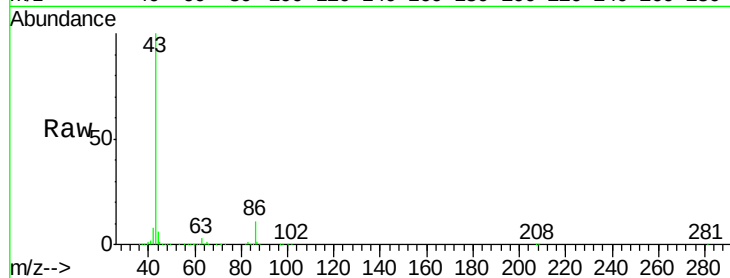
VSTDCCC050

Tgt Ion: 43 Resp: 1680518

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



#24

1,1-Dichloroethane

Concen: 45.75 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

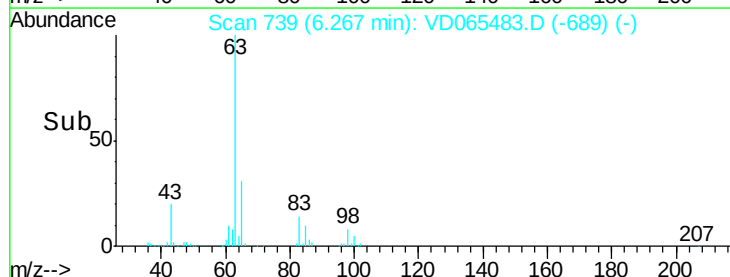
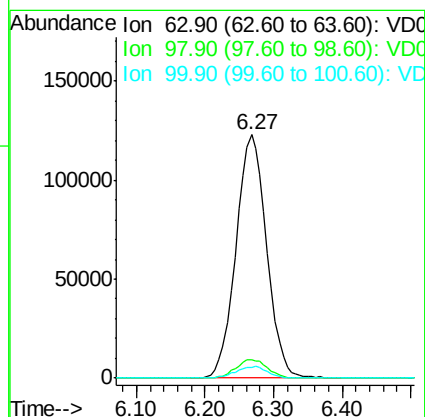
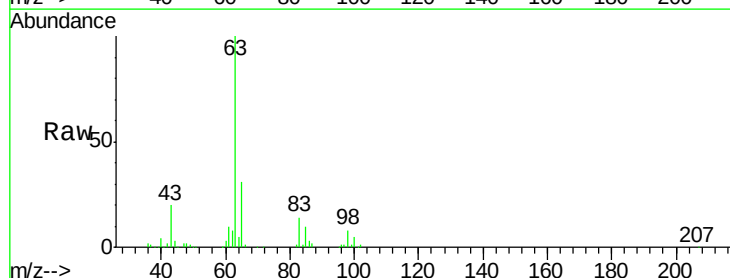
Tgt Ion: 63 Resp: 381094

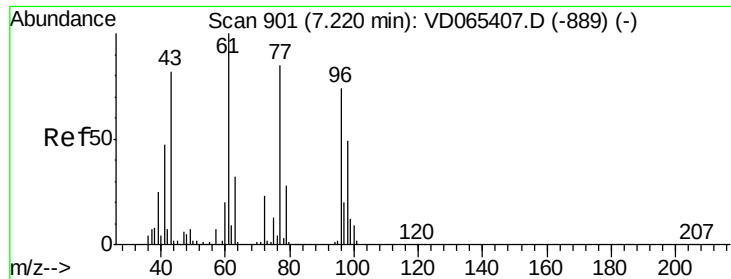
Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 226.64 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

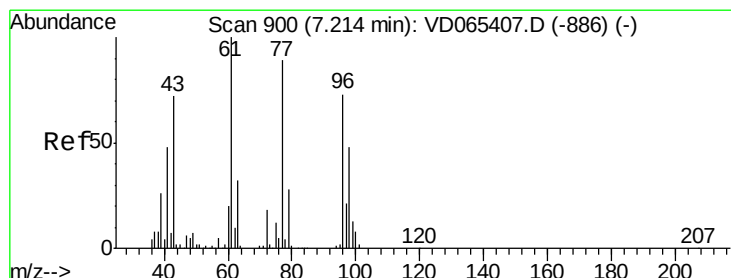
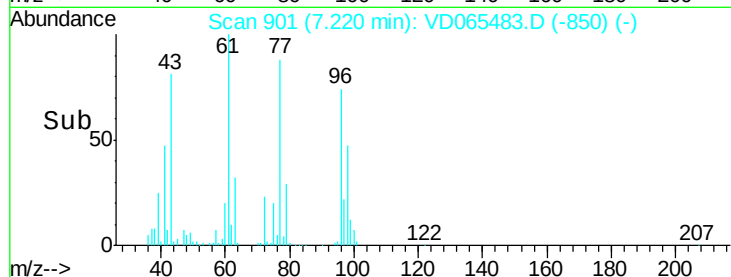
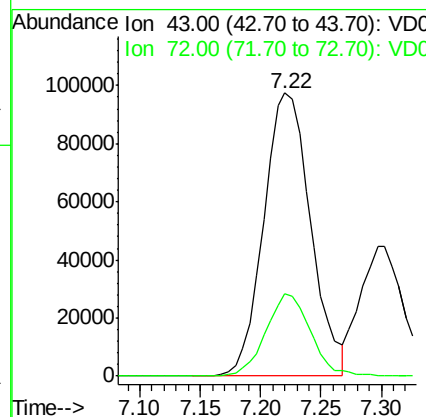
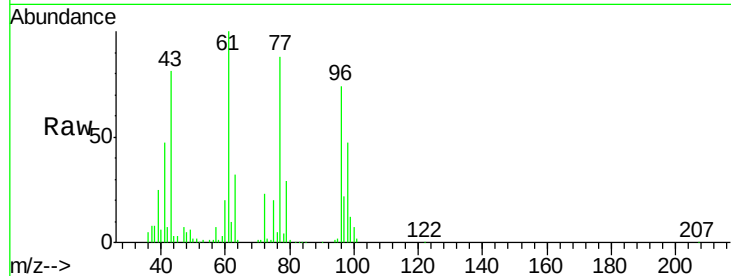
VSTDCCC050

Tgt Ion: 43 Resp: 262360

Ion Ratio Lower Upper

43 100

72 29.0 22.3 33.5



#26

2,2-Dichloropropane

Concen: 47.19 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065483.D

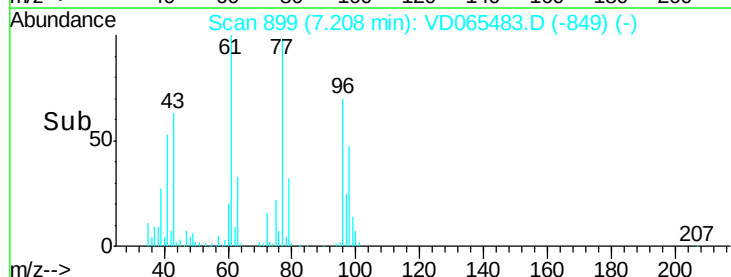
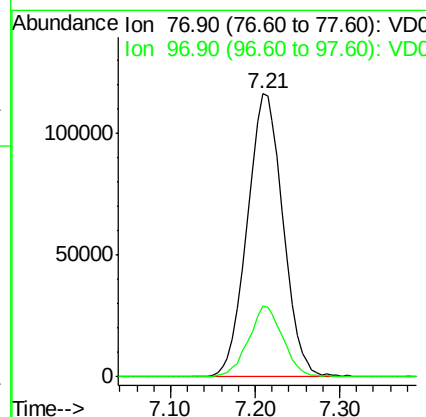
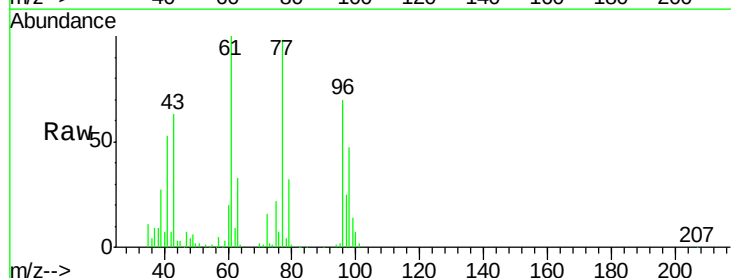
Acq: 12 Mar 2020 10:17

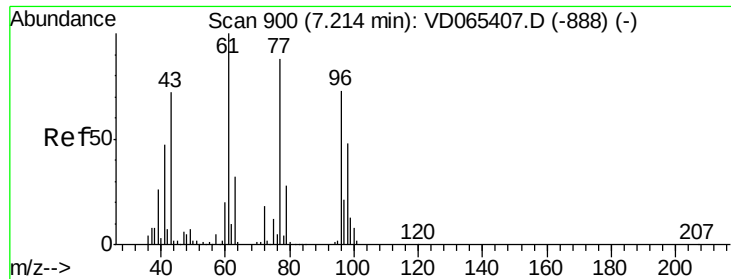
Tgt Ion: 77 Resp: 343525

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.4



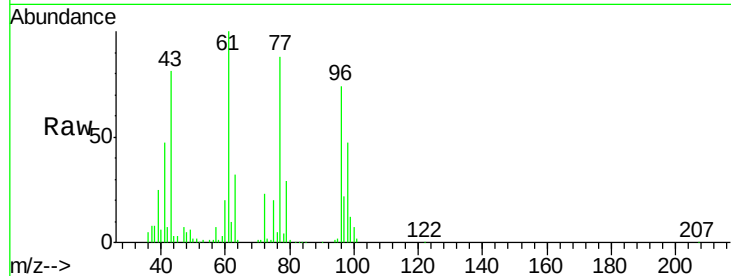


#27

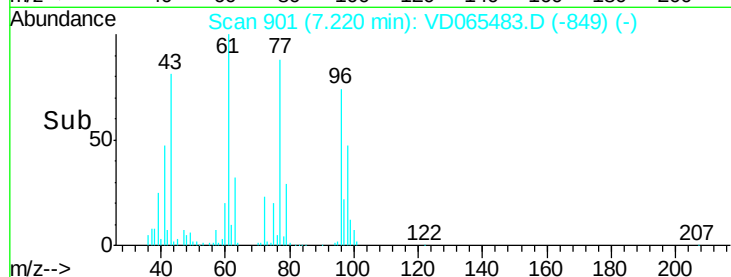
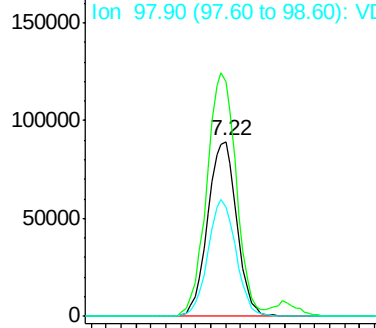
cis-1,2-Dichloroethene
Concen: 46.76 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 241786
Ion Ratio Lower Upper
96 100
61 140.9 0.0 280.4
98 64.6 0.0 132.6



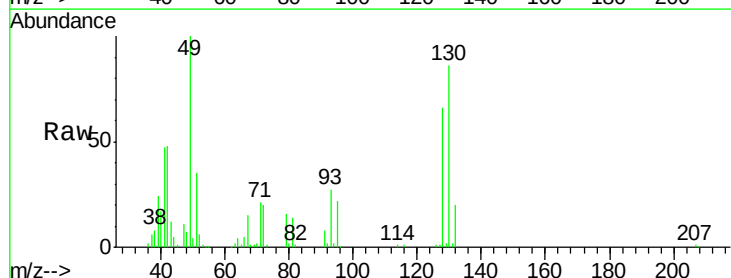
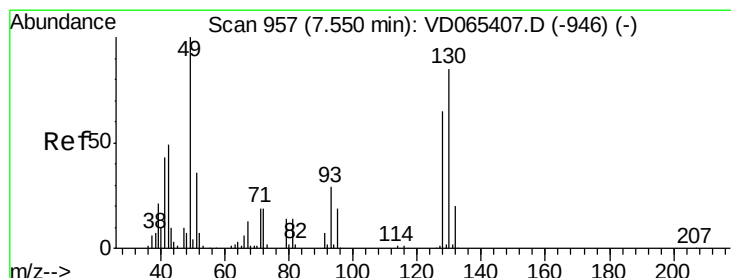
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



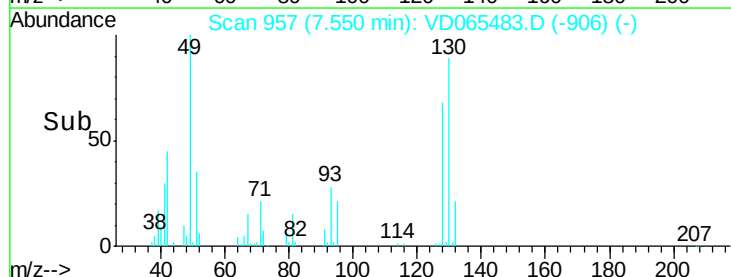
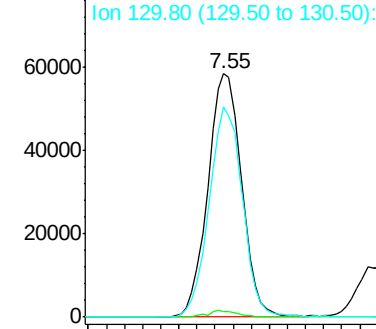
#28

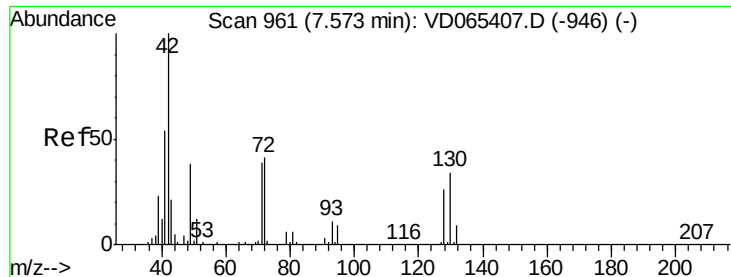
Bromochloromethane
Concen: 45.44 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 49 Resp: 151417
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 85.2 66.6 100.0



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

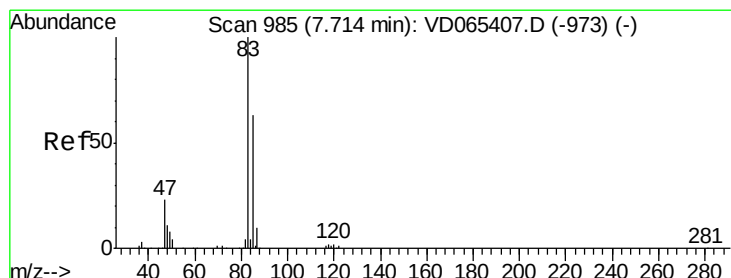
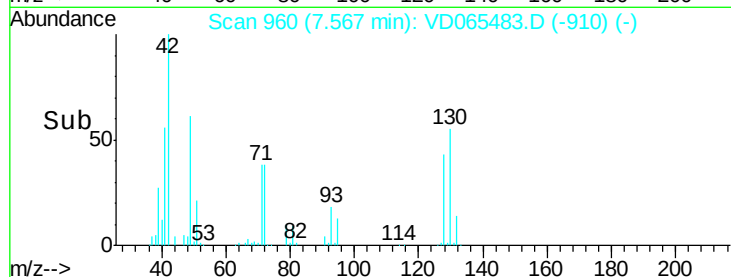
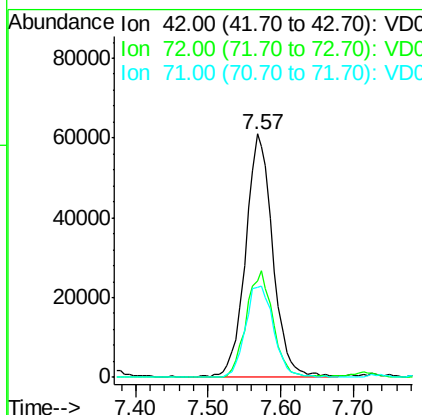
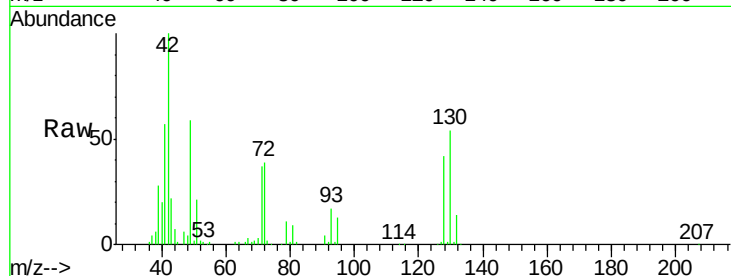




#29
Tetrahydrofuran
Concen: 215.35 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

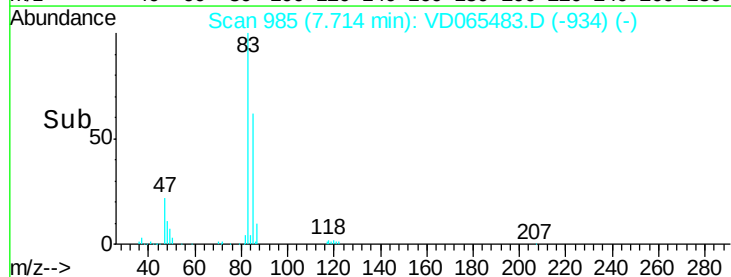
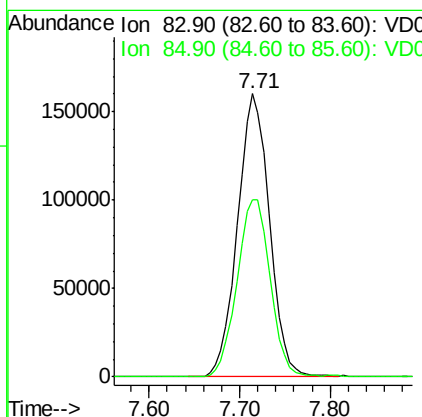
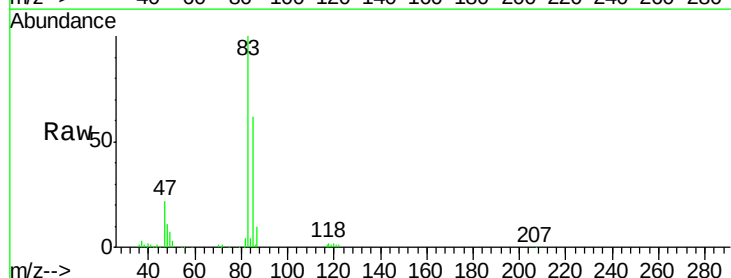
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

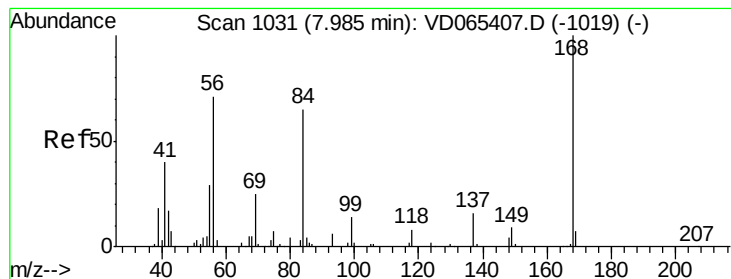
Tgt Ion: 42 Resp: 159199
Ion Ratio Lower Upper
42 100
72 42.9 33.0 49.6
71 39.0 32.0 48.0



#30
Chloroform
Concen: 47.13 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 83 Resp: 392349
Ion Ratio Lower Upper
83 100
85 62.4 50.3 75.5





#31

Cyclohexane

Concen: 43.60 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

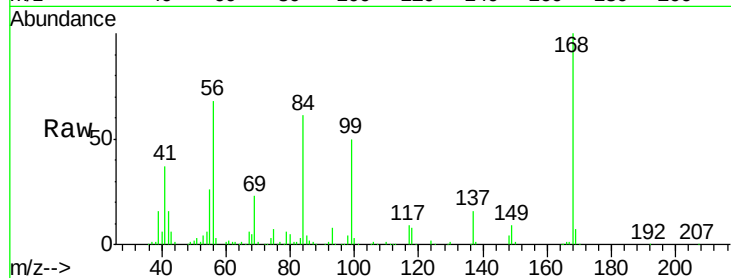
Tgt Ion: 56 Resp: 363125

Ion Ratio Lower Upper

56 100

69 33.5 28.3 42.5

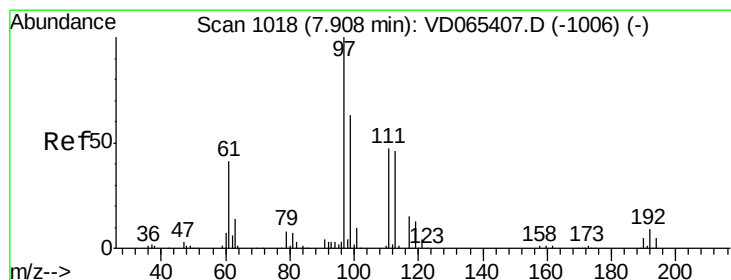
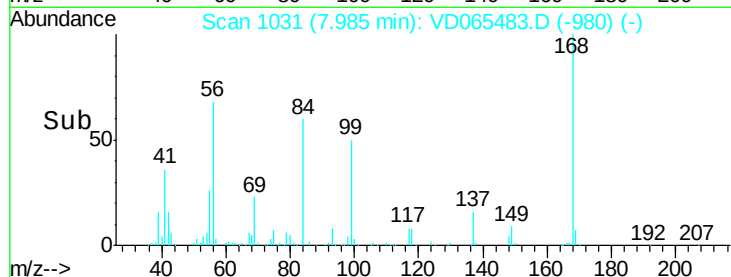
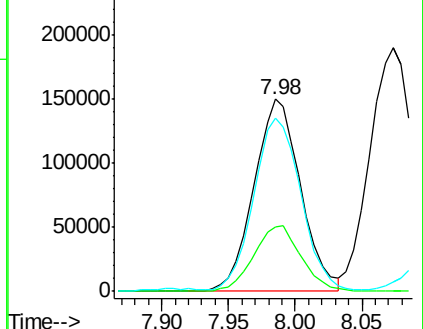
84 88.7 73.1 109.7



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: 46.68 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

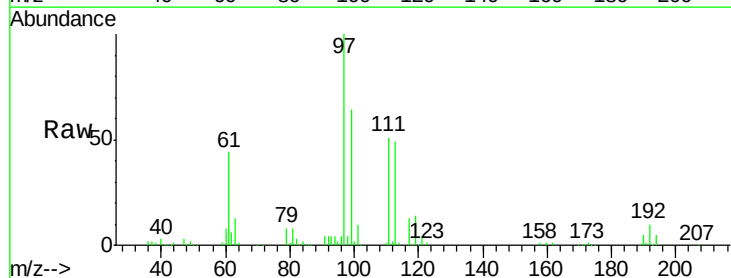
Tgt Ion: 97 Resp: 359119

Ion Ratio Lower Upper

97 100

99 63.0 50.9 76.3

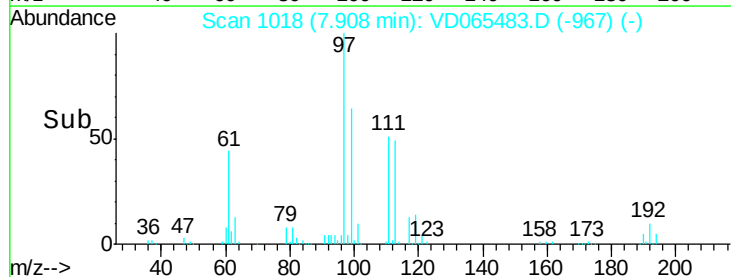
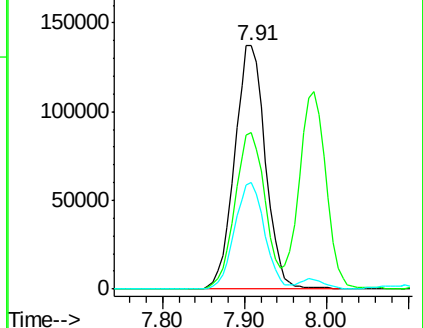
61 42.5 33.2 49.8

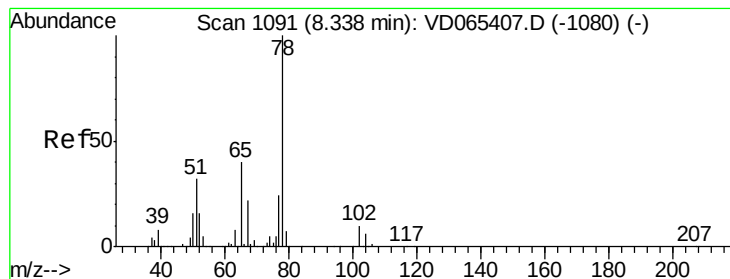


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.32 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

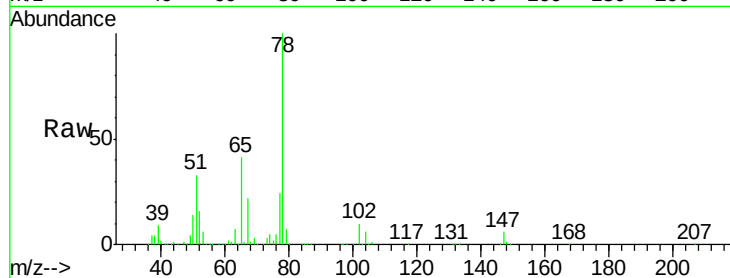
VSTDCCC050

Tgt Ion: 65 Resp: 202687

Ion Ratio Lower Upper

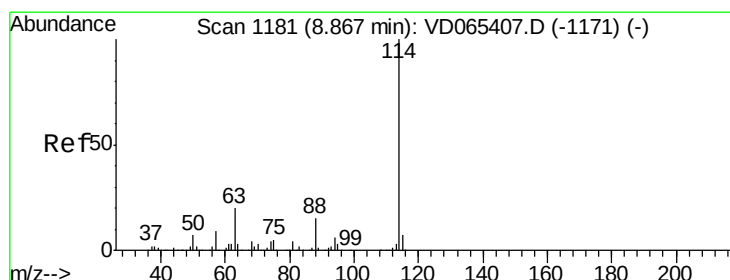
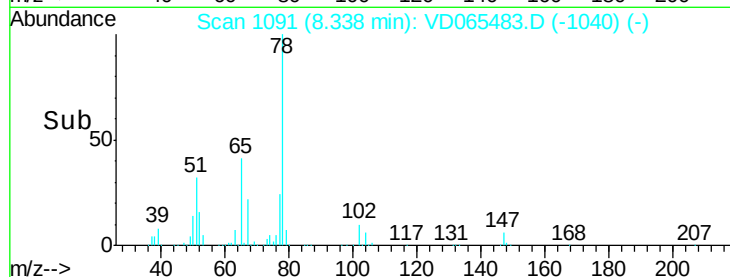
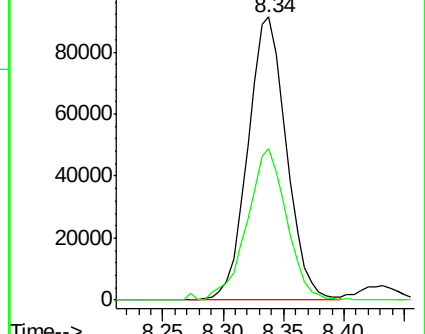
65 100

67 54.7 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

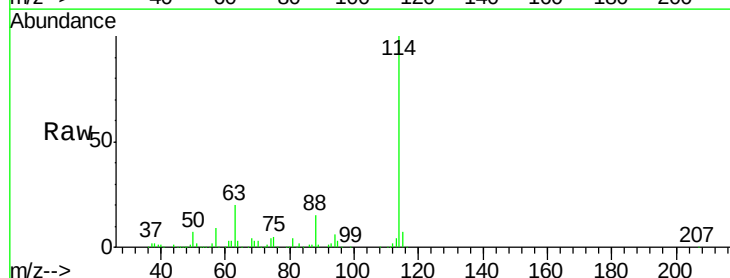
Tgt Ion: 114 Resp: 685690

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

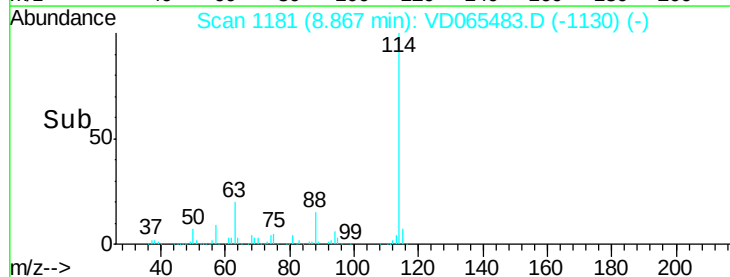
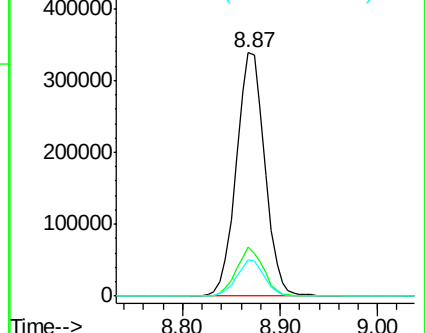
88 14.9 0.0 30.4

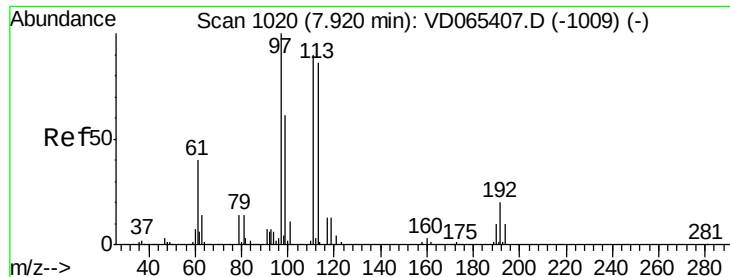


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

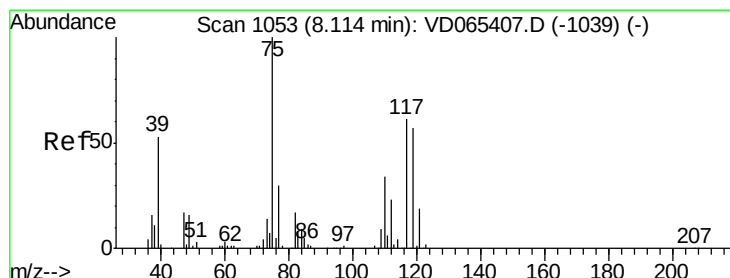
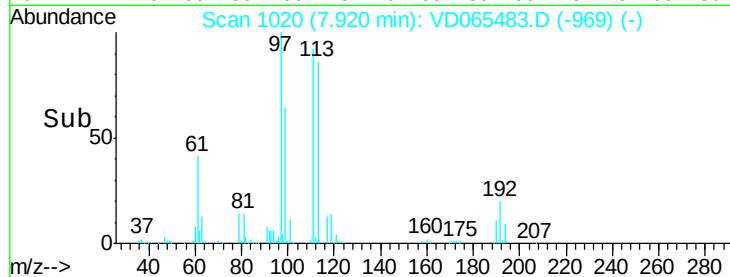
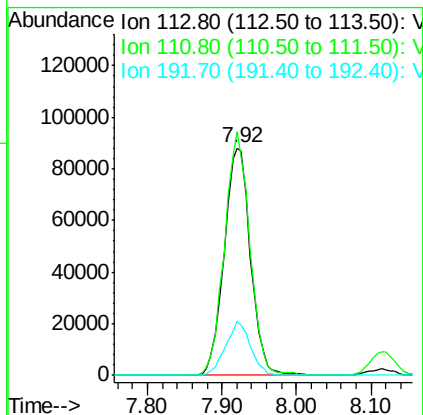
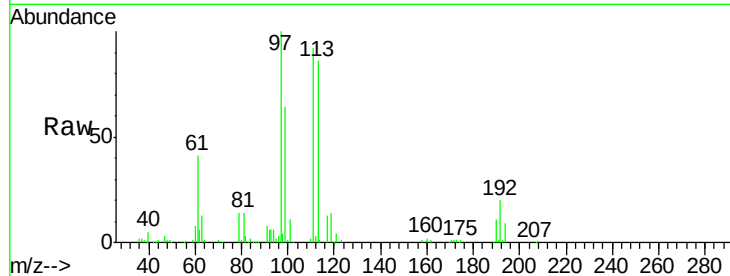




#35
 Dibromofluoromethane
 Concen: 51.06 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

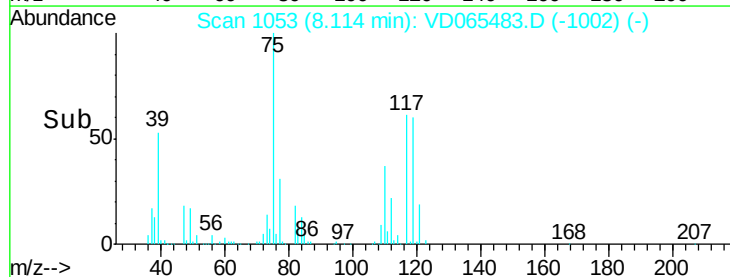
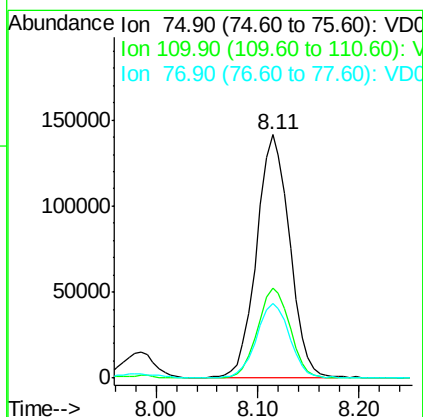
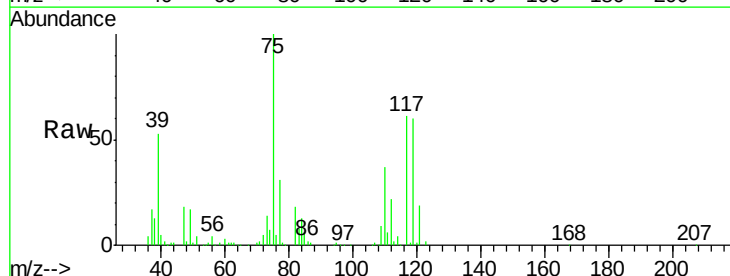
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

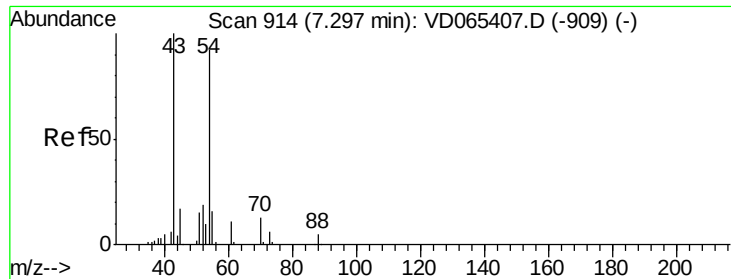
Tgt Ion: 113 Resp: 216529
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.1 123.1
 192 22.5 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 48.78 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 75 Resp: 320602
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.1
 77 31.3 25.2 37.8

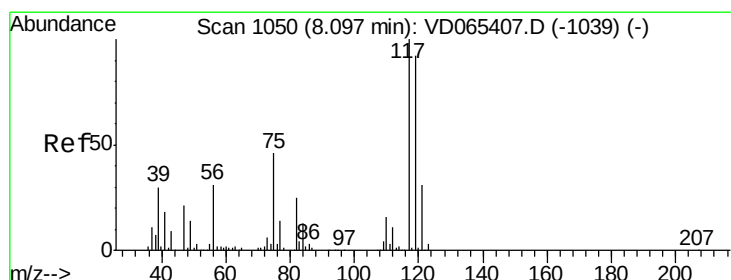
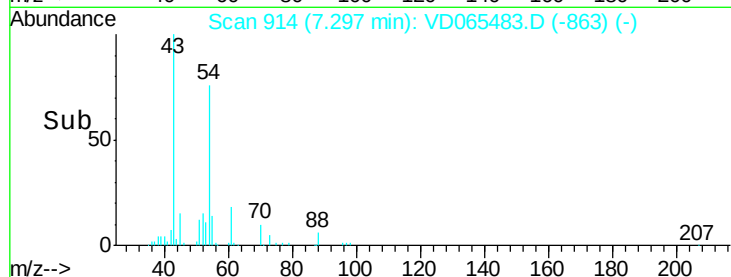
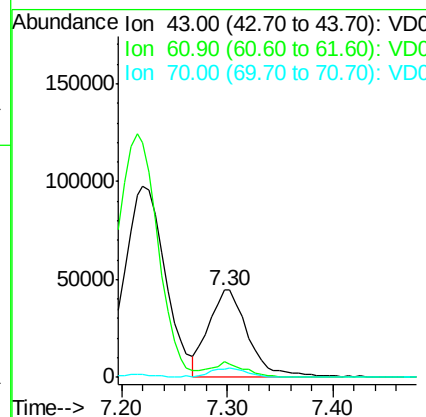
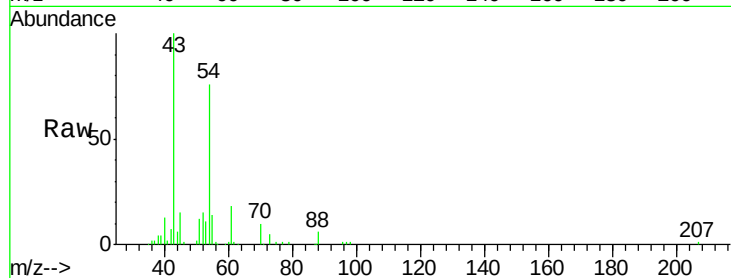




#37
Ethyl Acetate
Concen: 45.32 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

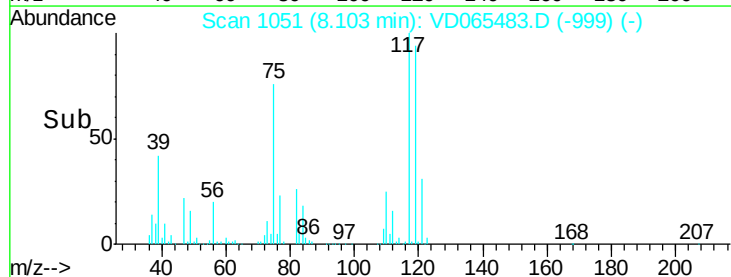
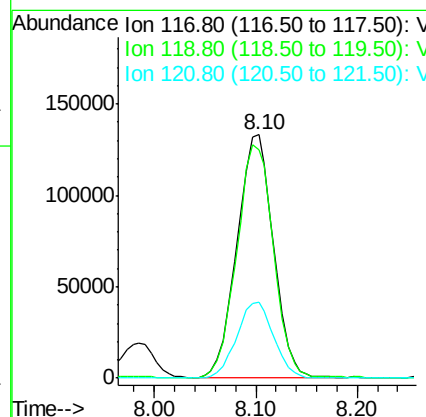
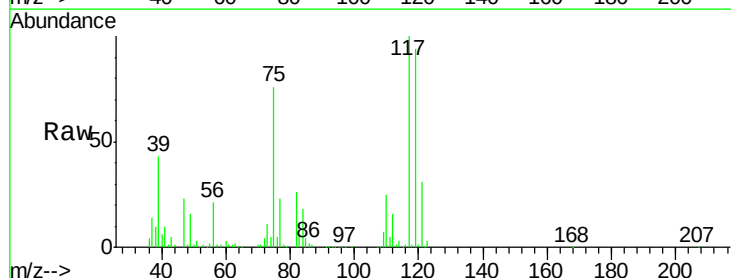
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

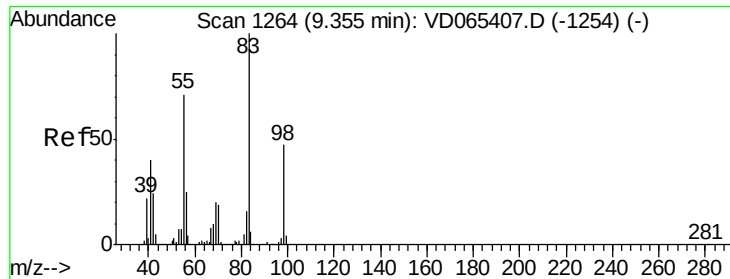
Tgt Ion: 43 Resp: 115133
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.0
70 10.6 9.0 13.4



#38
Carbon Tetrachloride
Concen: 48.48 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 117 Resp: 330407
Ion Ratio Lower Upper
117 100
119 93.7 73.3 109.9
121 31.0 25.0 37.4

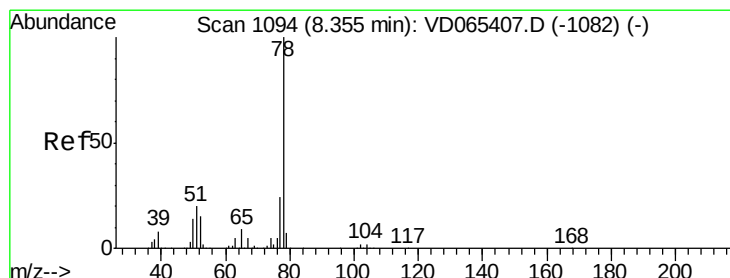
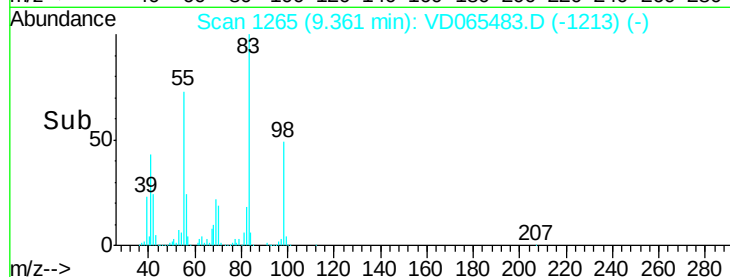
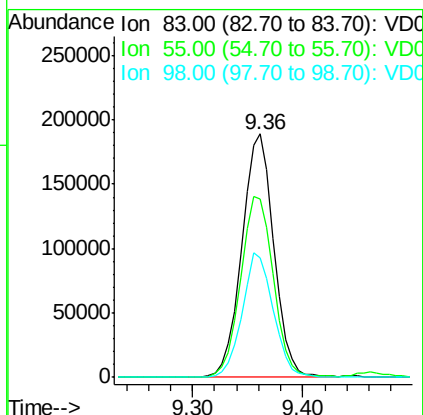
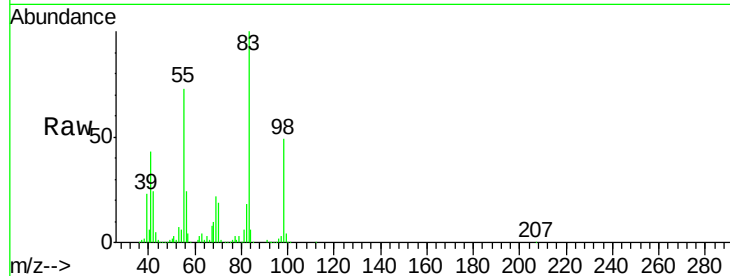




#39
Methylcyclohexane
Concen: 48.52 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

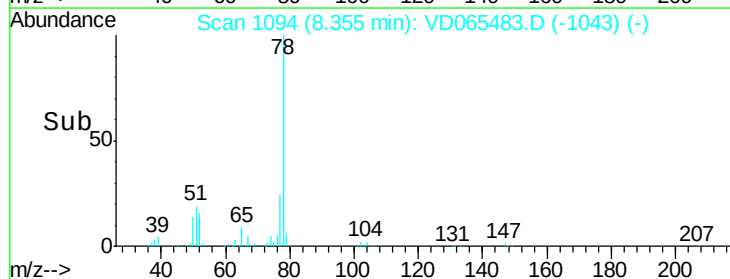
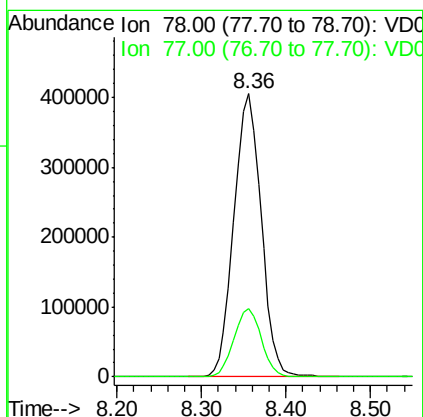
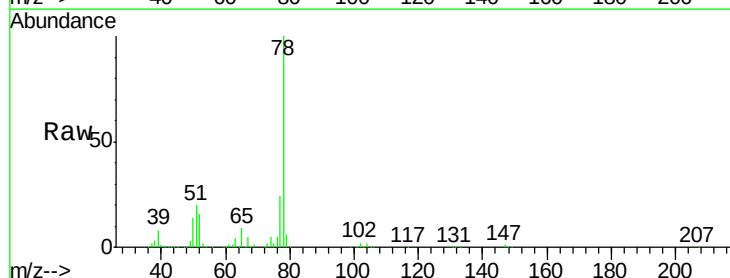
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

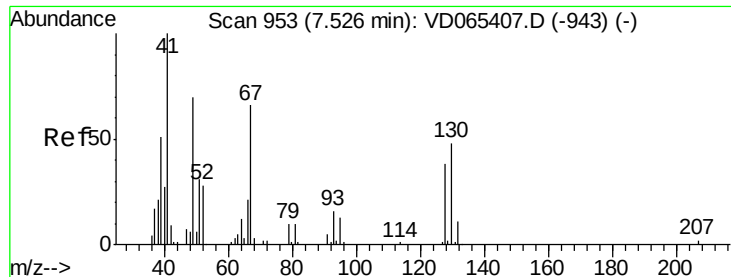
Tgt Ion: 83 Resp: 385156
Ion Ratio Lower Upper
83 100
55 73.5 57.1 85.7
98 49.3 37.8 56.8



#40
Benzene
Concen: 49.32 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 78 Resp: 906384
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

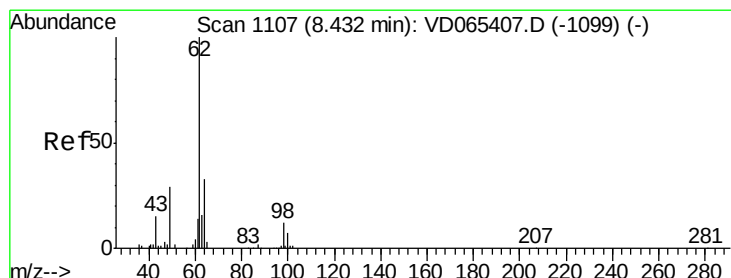
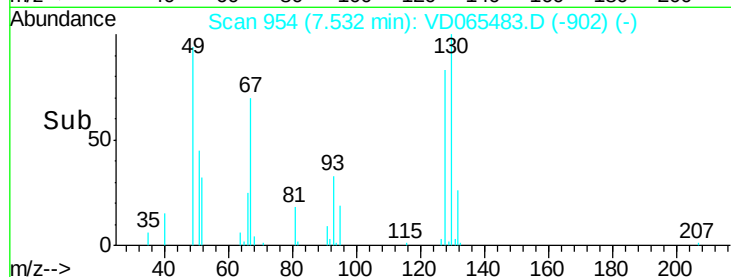
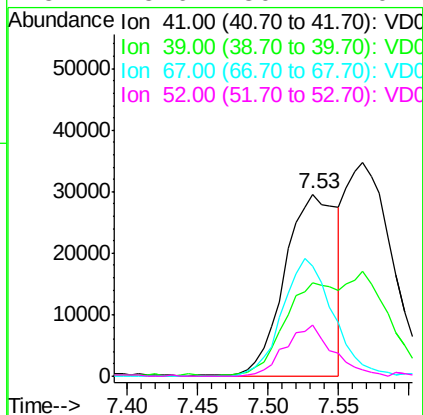
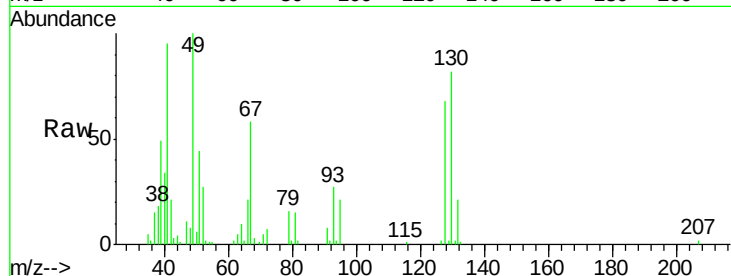




#41
Methacrylonitrile
Concen: 56.68 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

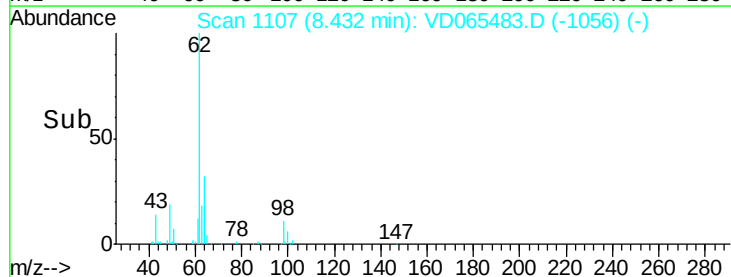
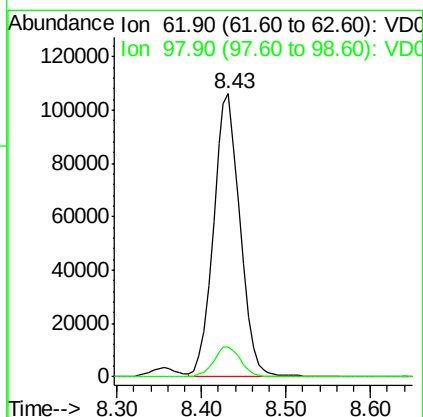
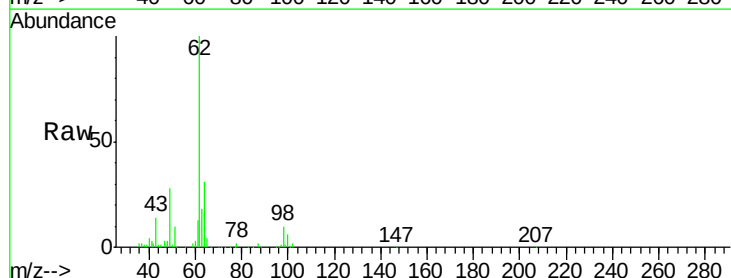
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

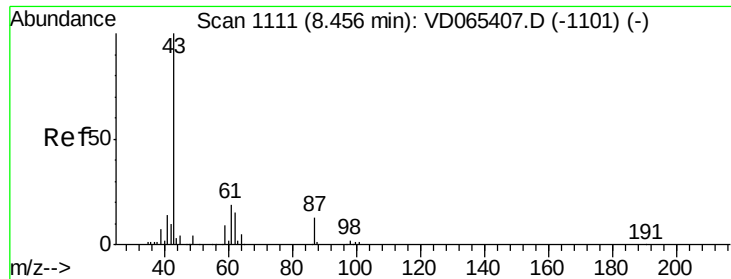
Tgt Ion: 41 Resp: 76156
Ion Ratio Lower Upper
41 100
39 51.9 55.0 82.6#
67 63.3 70.3 105.5#
52 25.6 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 48.37 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 62 Resp: 232133
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.4



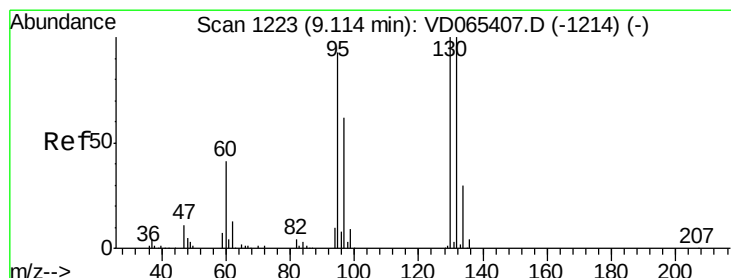
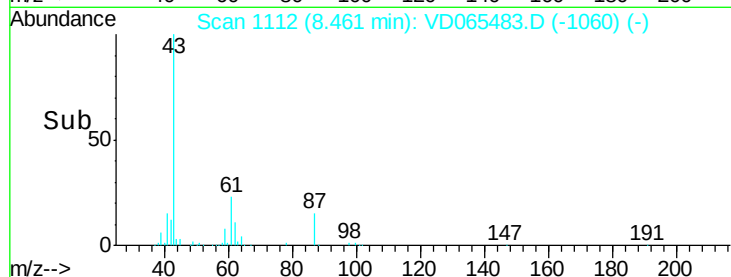
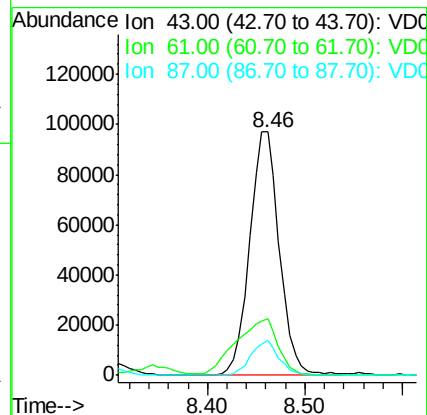
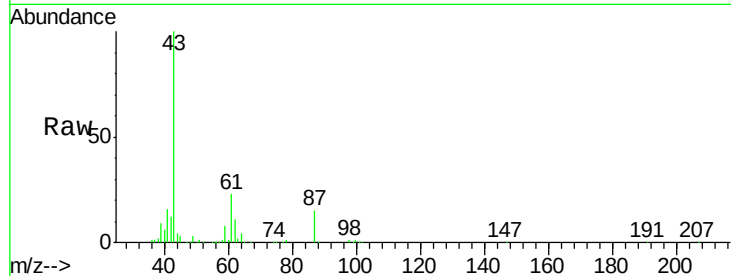


#43

Isopropyl Acetate
 Concen: 43.86 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

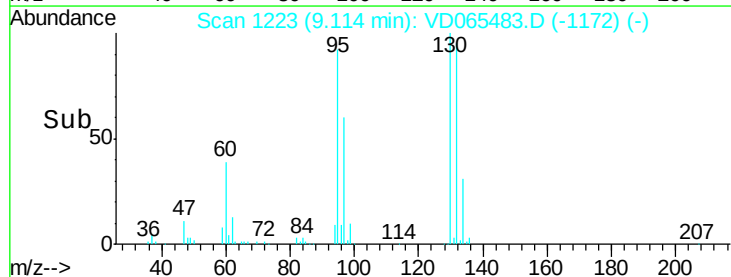
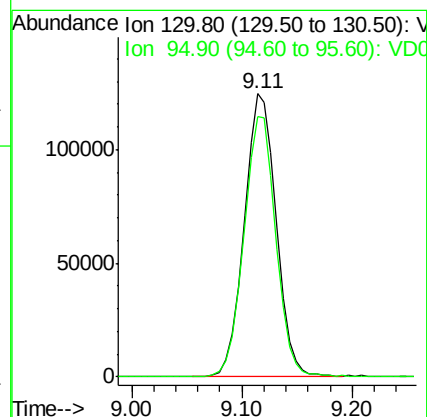
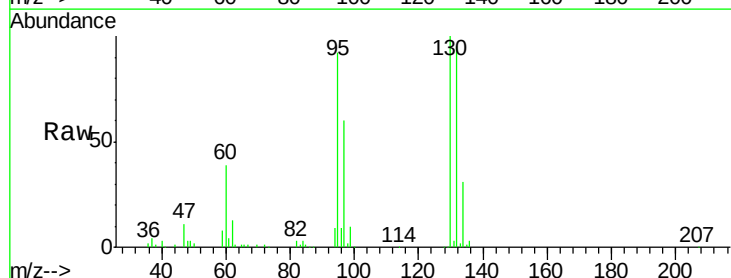
Tgt Ion: 43 Resp: 205736
 Ion Ratio Lower Upper
 43 100
 61 33.2 25.0 37.6
 87 13.4 11.0 16.4

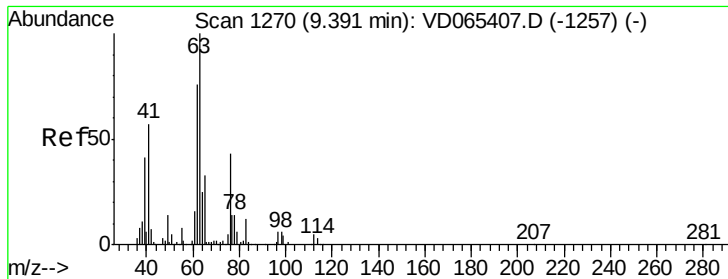


#44

Trichloroethene
 Concen: 48.90 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 130 Resp: 253782
 Ion Ratio Lower Upper
 130 100
 95 92.1 0.0 186.0

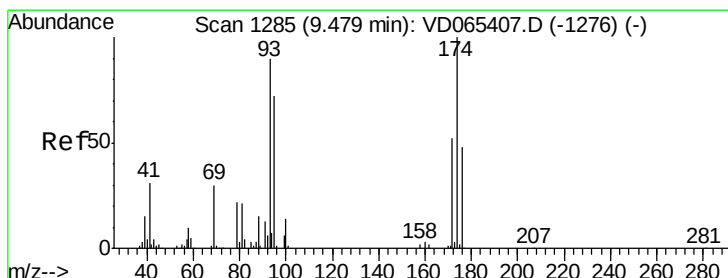
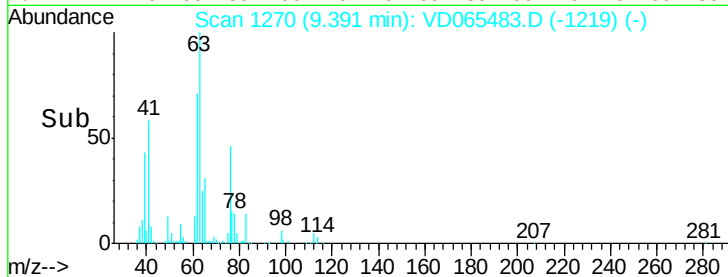
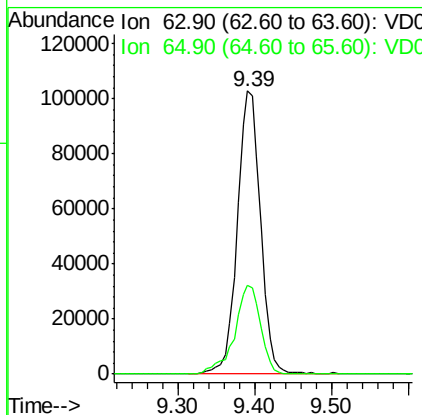
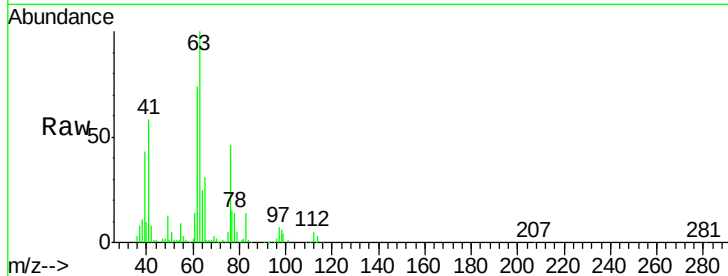




#45
 1,2-Dichloropropane
 Concen: 48.74 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

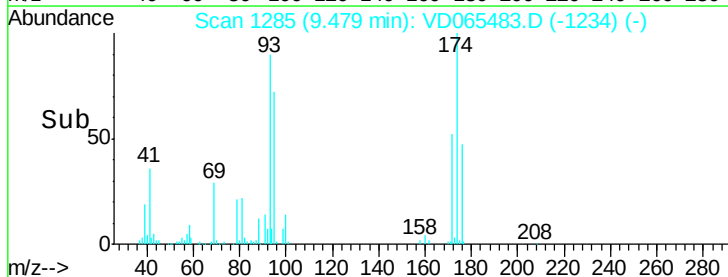
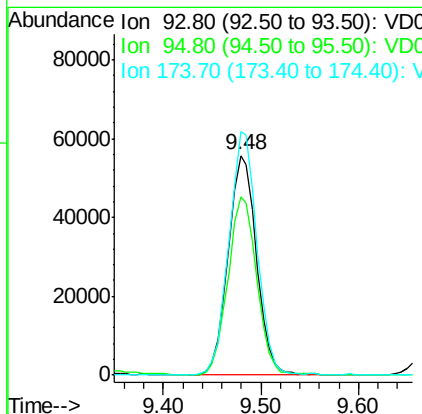
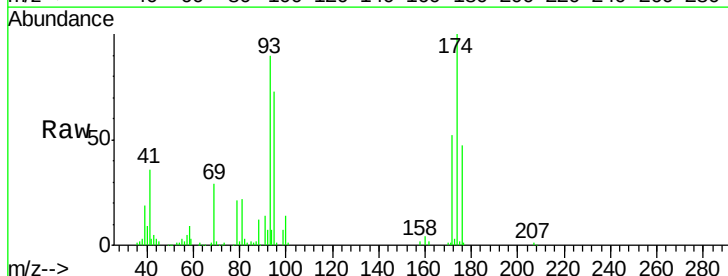
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

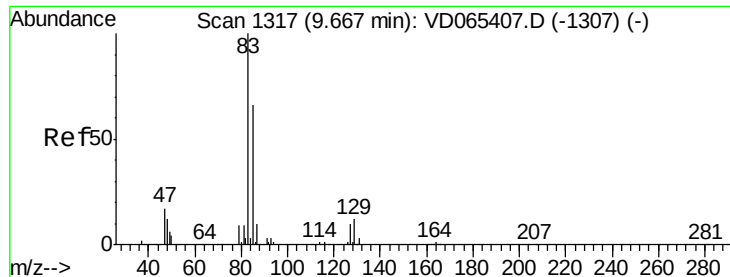
Tgt Ion: 63 Resp: 216972
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.4 39.6



#46
 Dibromomethane
 Concen: 48.71 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 93 Resp: 112463
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.0 97.6
 174 109.1 88.3 132.5





#47

Bromodichloromethane

Concen: 49.08 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

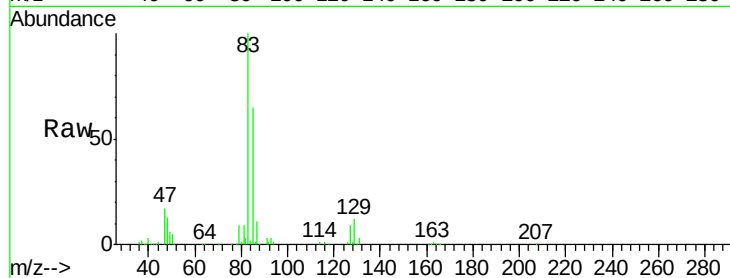
Tgt Ion: 83 Resp: 294854

Ion Ratio Lower Upper

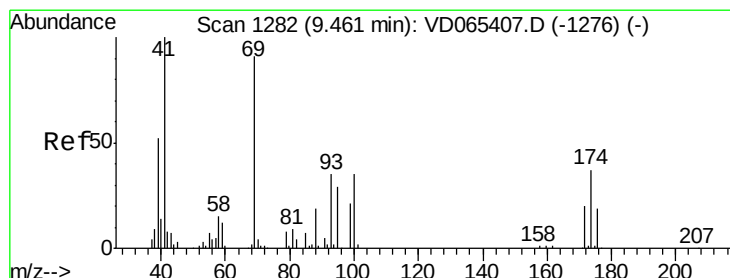
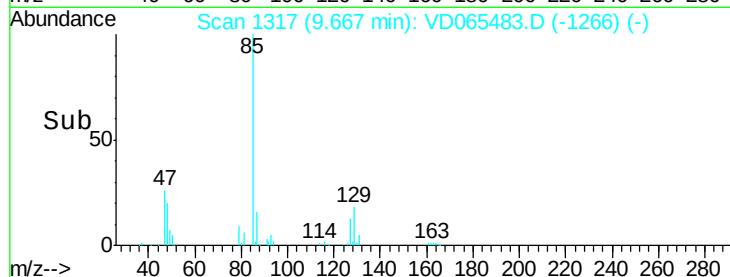
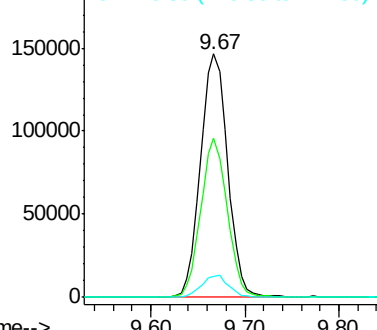
83 100

85 65.3 52.8 79.2

127 8.7 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: 50.17 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

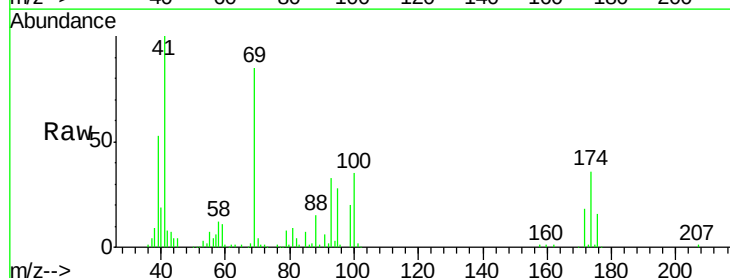
Tgt Ion: 41 Resp: 110698

Ion Ratio Lower Upper

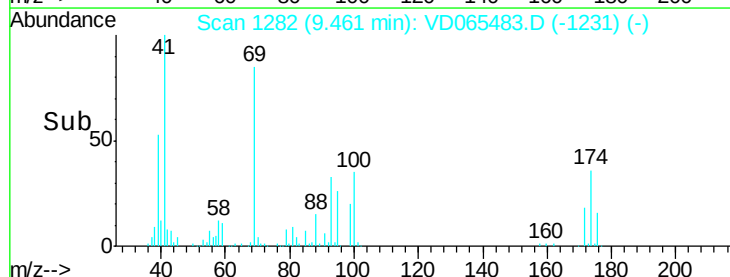
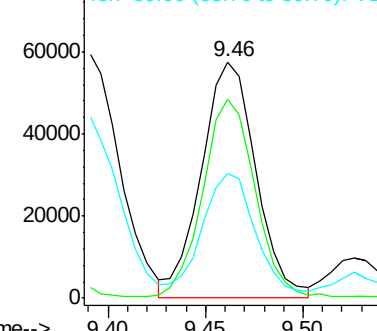
41 100

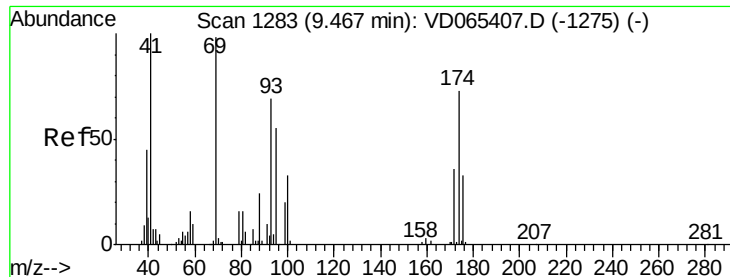
69 82.6 72.5 108.7

39 46.6 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: 894.93 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

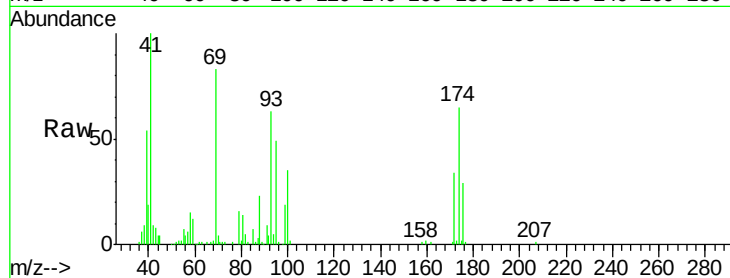
Tgt Ion: 88 Resp: 23637

Ion Ratio Lower Upper

88 100

43 35.9 24.5 36.7

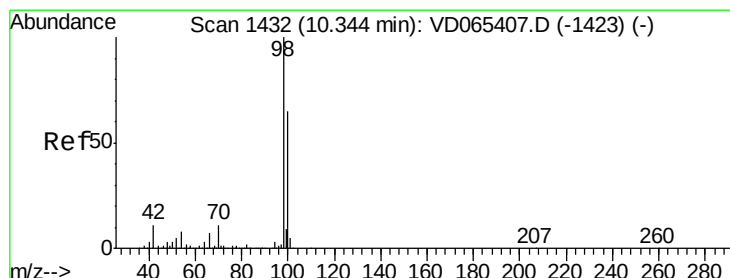
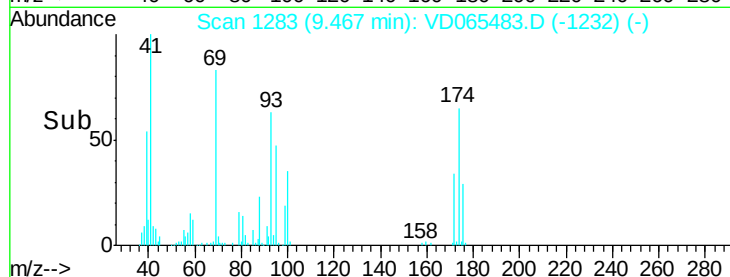
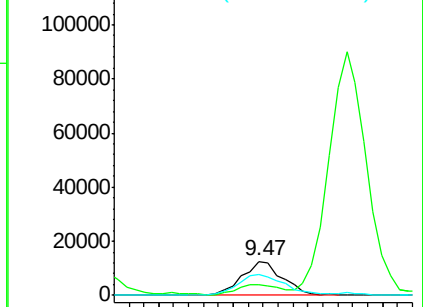
58 69.2 54.5 81.7



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.18 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065483.D

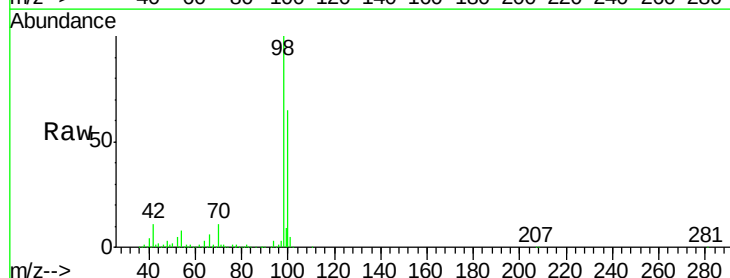
Acq: 12 Mar 2020 10:17

Tgt Ion: 98 Resp: 848782

Ion Ratio Lower Upper

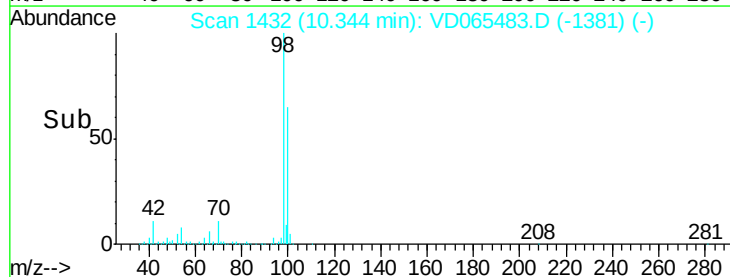
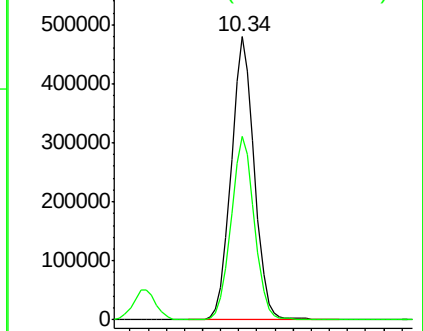
98 100

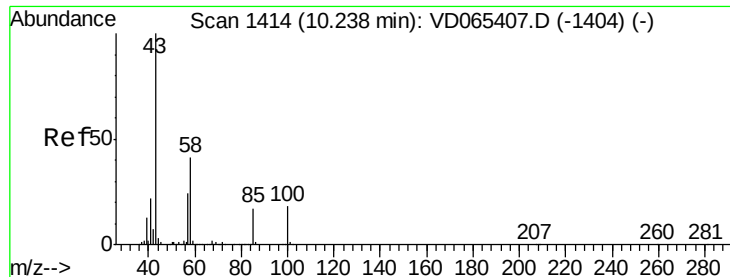
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 236.56 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

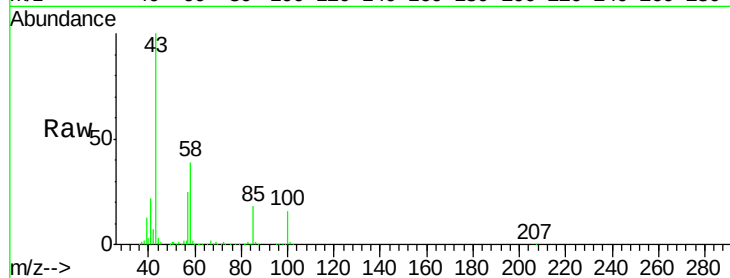
VSTDCCC050

Tgt Ion: 43 Resp: 558401

Ion Ratio Lower Upper

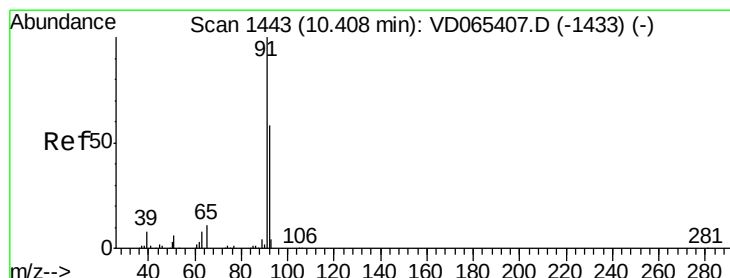
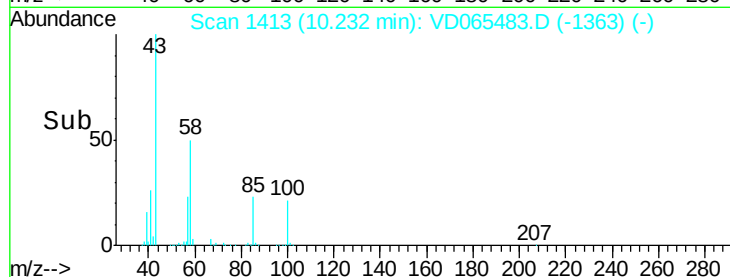
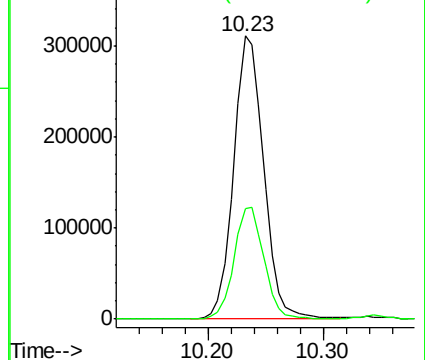
43 100

58 39.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.62 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065483.D

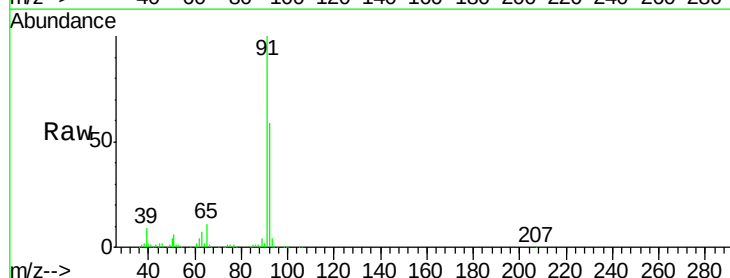
Acq: 12 Mar 2020 10:17

Tgt Ion: 92 Resp: 586009

Ion Ratio Lower Upper

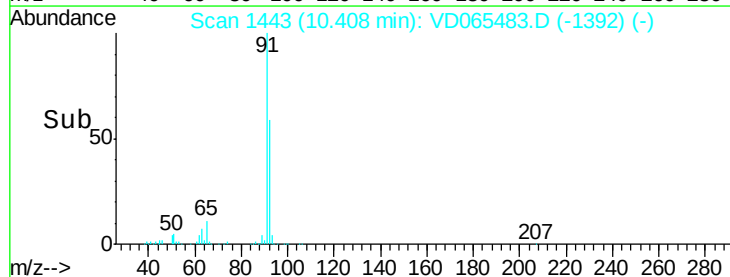
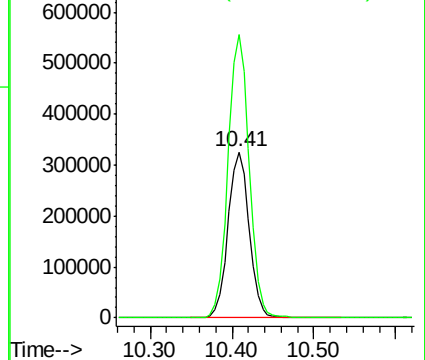
92 100

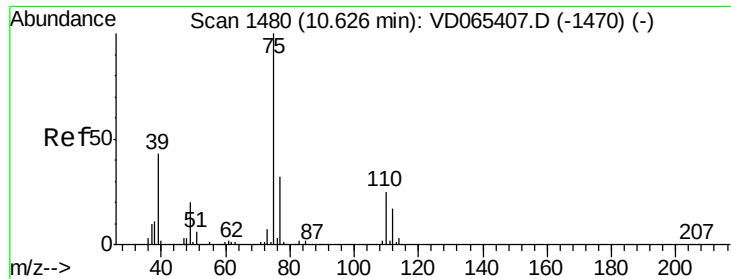
91 170.7 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

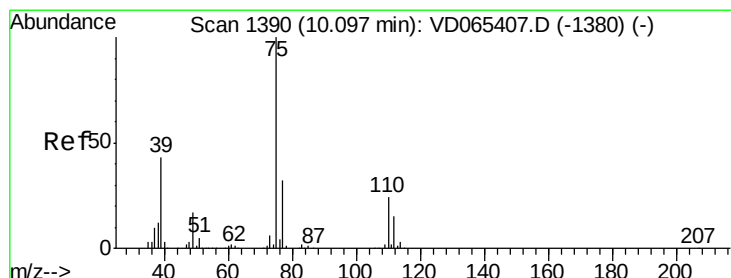
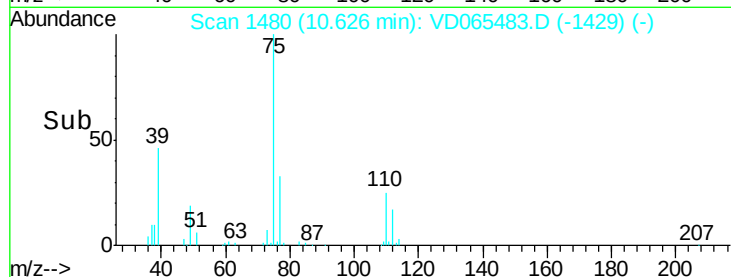
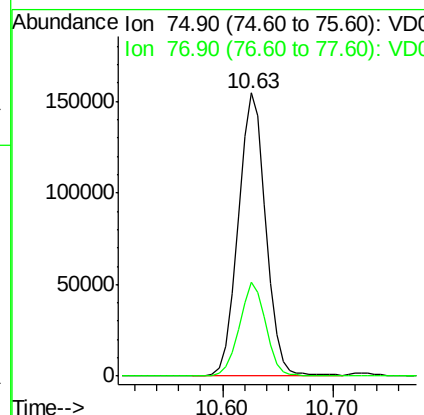
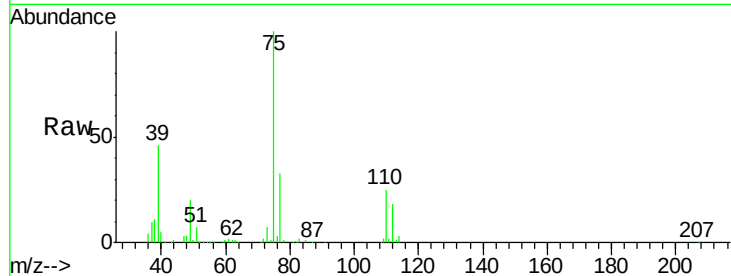




#53
t-1,3-Dichloropropene
Concen: 48.23 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

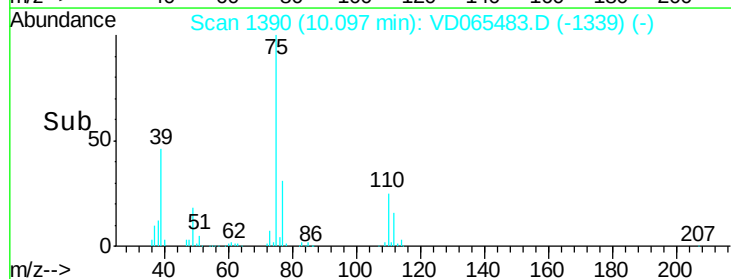
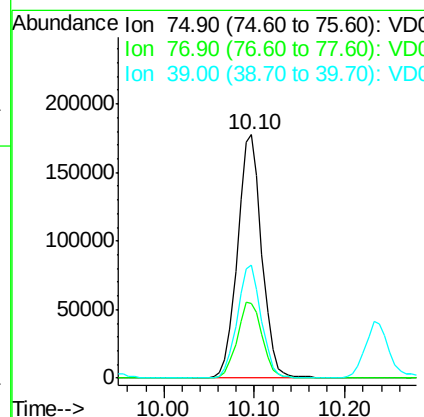
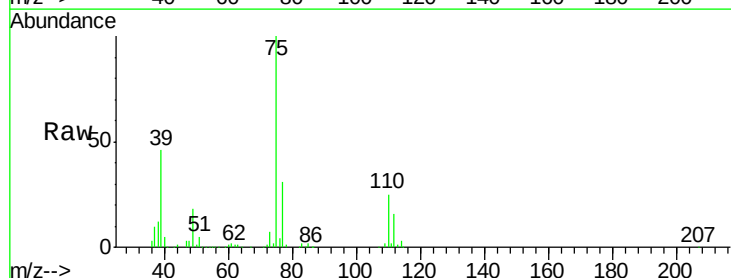
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

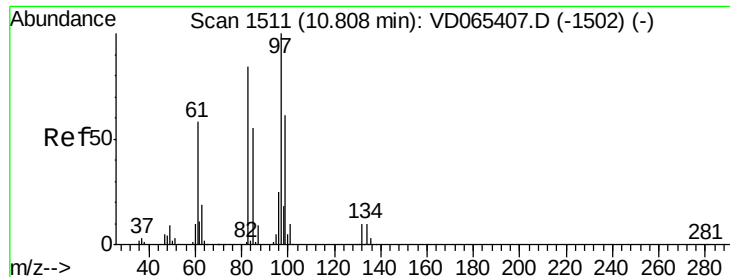
Tgt Ion: 75 Resp: 270753
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 48.81 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 75 Resp: 331641
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9
39 46.0 34.6 52.0

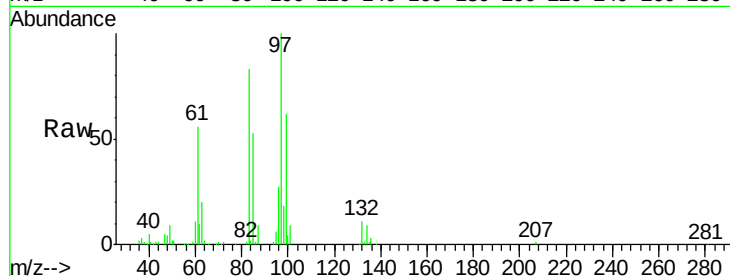




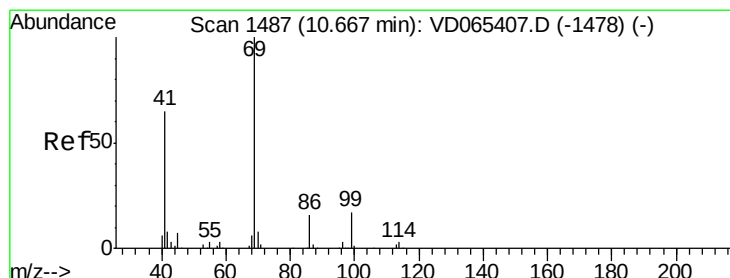
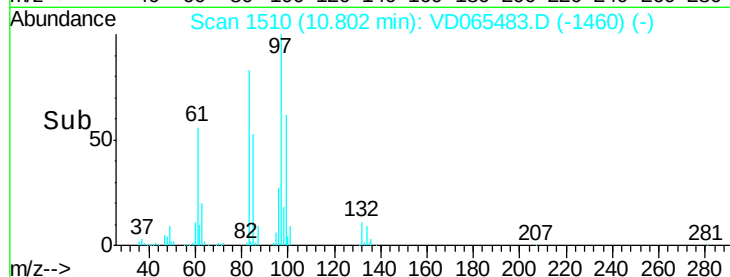
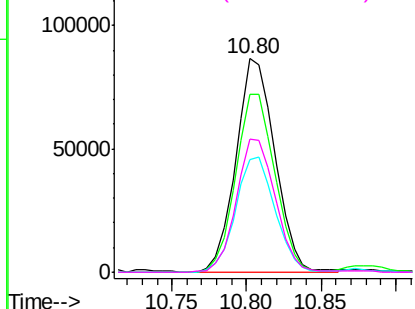
#55
 1,1,2-Trichloroethane
 Concen: 48.08 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	157237
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	53.0	43.8	65.8
99	61.9	48.8	73.2

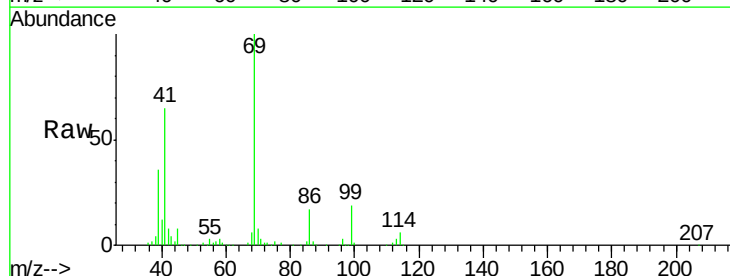


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

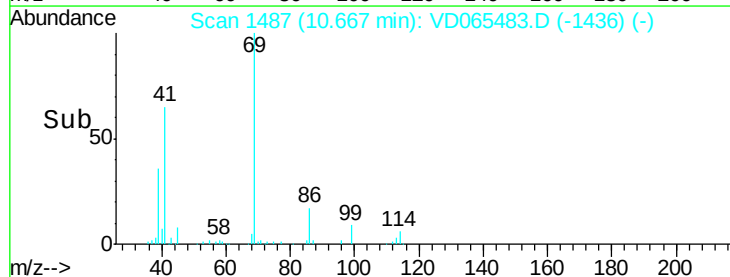
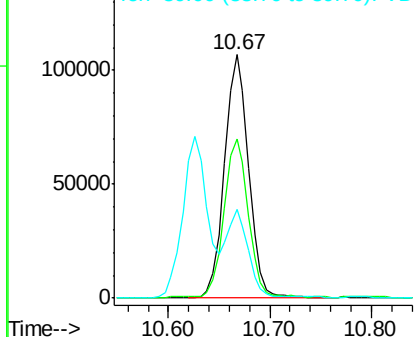


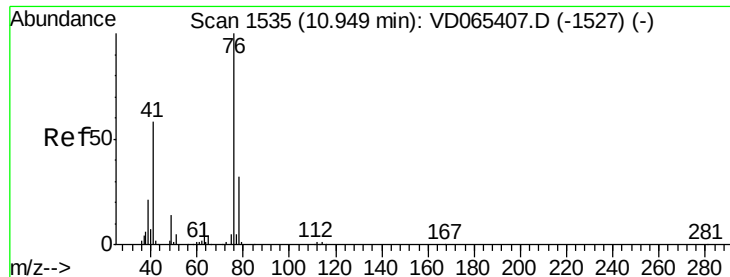
#56
 Ethyl methacrylate
 Concen: 47.74 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion:	69	Resp:	175995
Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.0	79.6
39	32.1	26.0	39.0



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

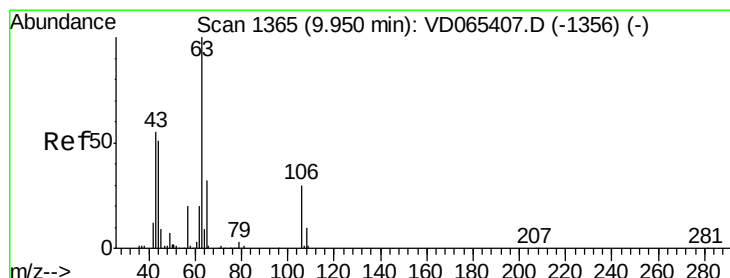
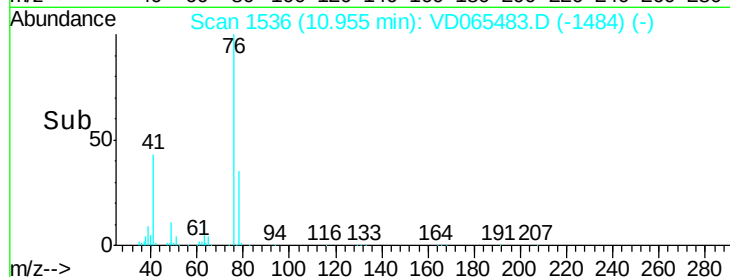
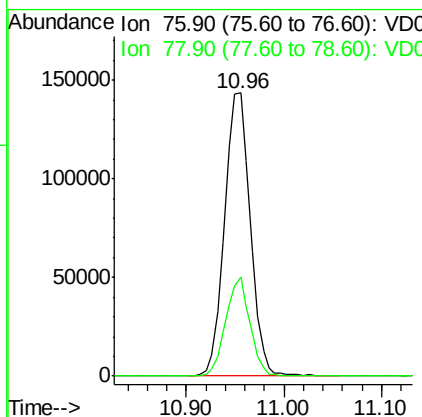
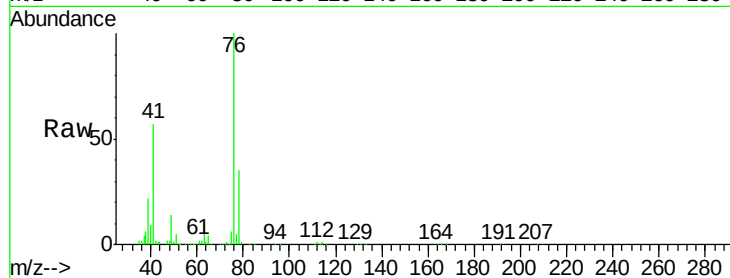




#57
 1,3-Dichloropropane
 Concen: 47.57 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

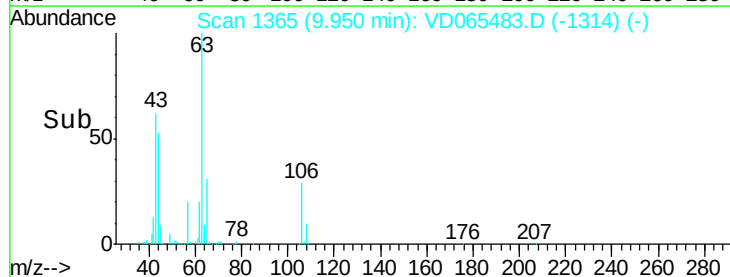
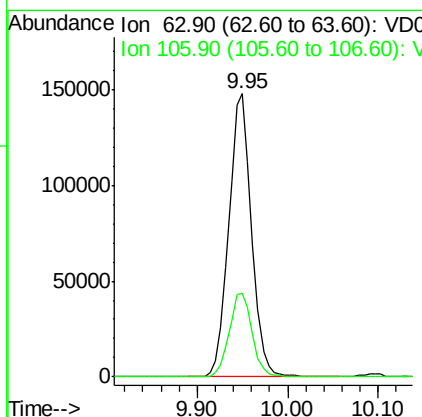
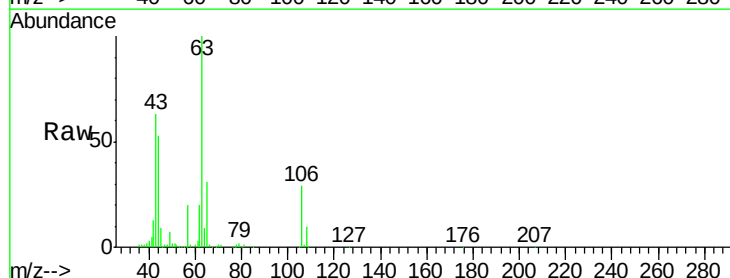
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

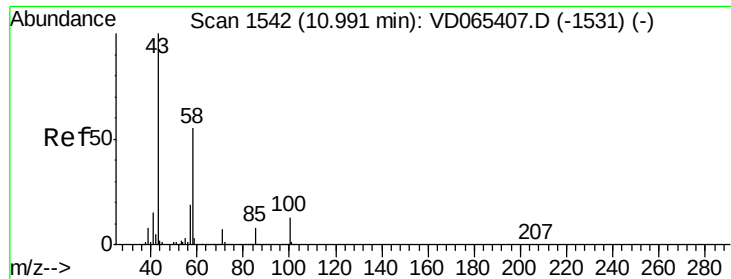
Tgt Ion: 76 Resp: 263214
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.77 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 63 Resp: 257583
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.3 34.9

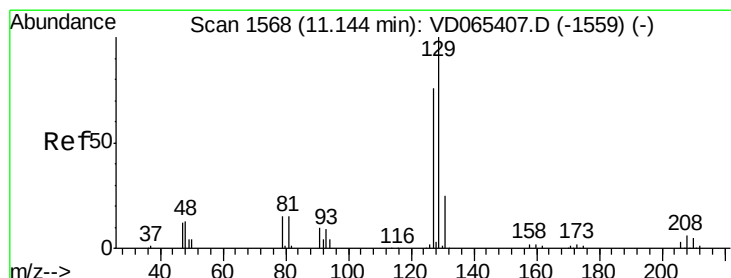
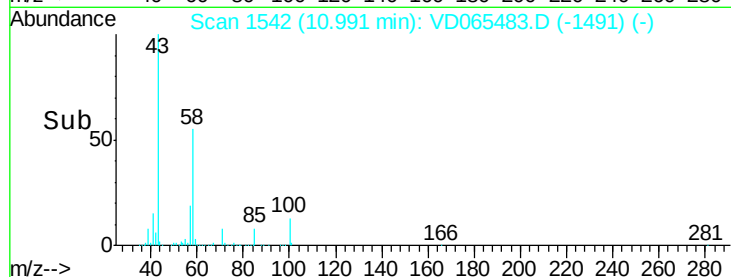
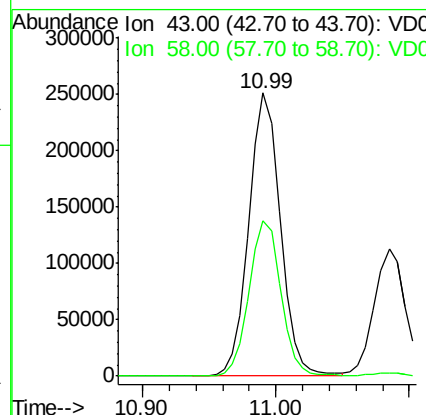
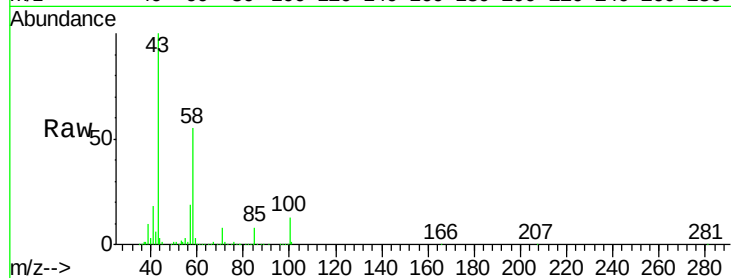




#59
2-Hexanone
Concen: 250.91 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

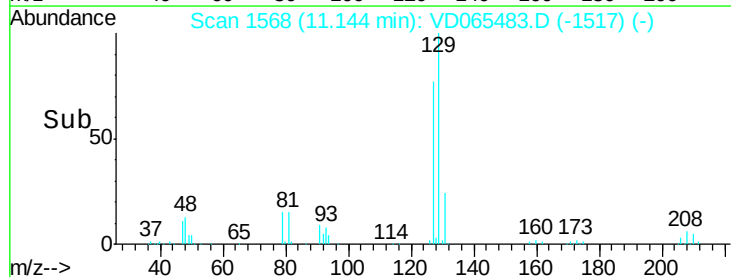
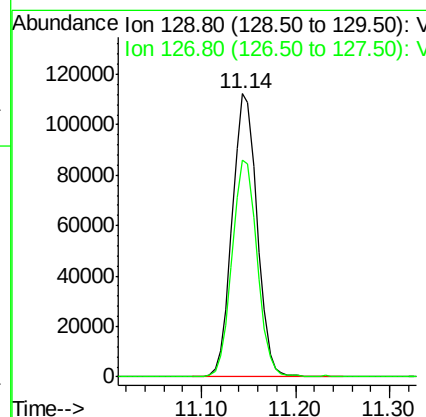
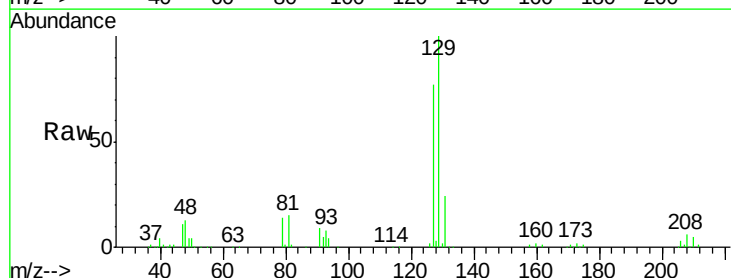
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

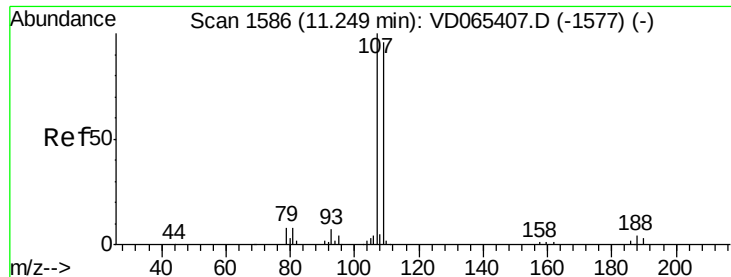
Tgt Ion: 43 Resp: 410002
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2



#60
Dibromochloromethane
Concen: 49.47 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 129 Resp: 207403
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

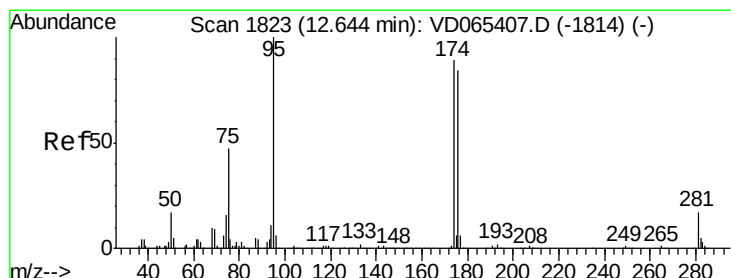
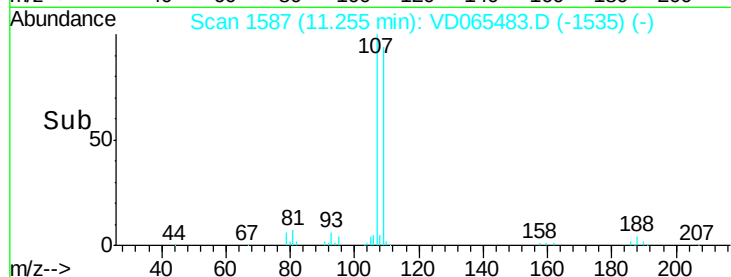
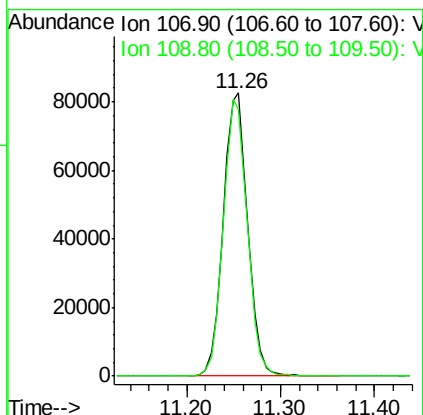
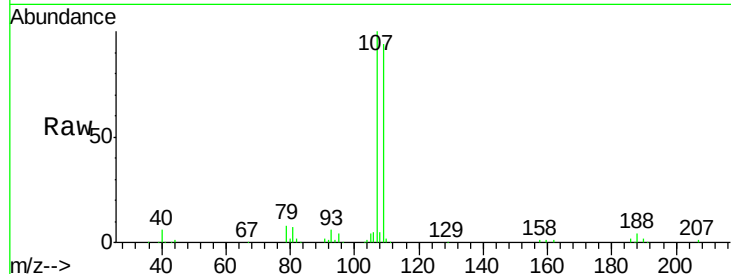




#61
 1,2-Dibromoethane
 Concen: 47.73 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

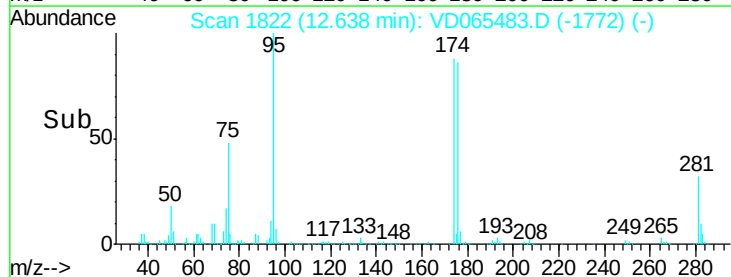
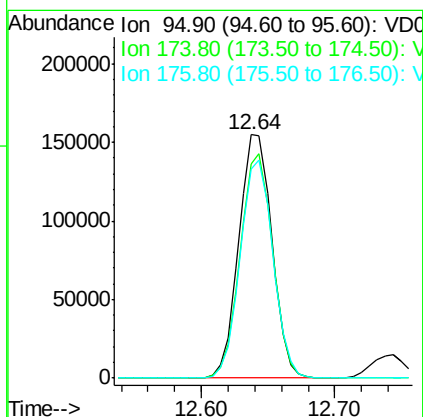
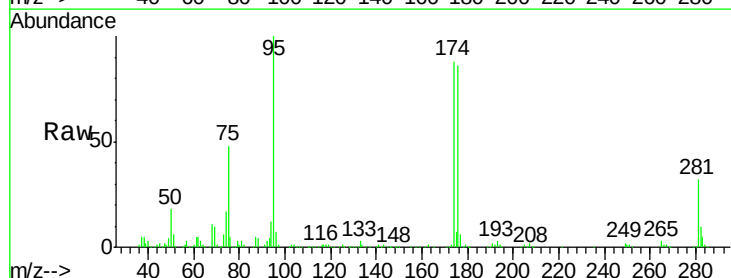
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

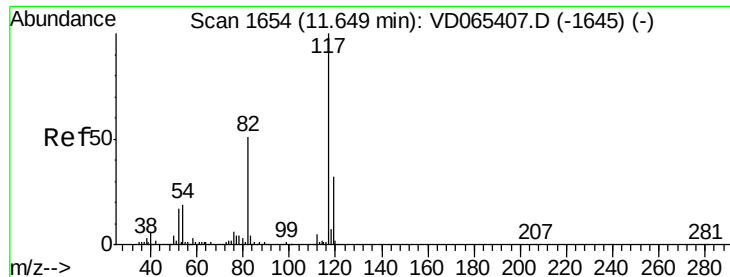
Tgt Ion: 107 Resp: 148896
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 53.01 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 95 Resp: 266215
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 176.8
 176 88.3 0.0 171.4

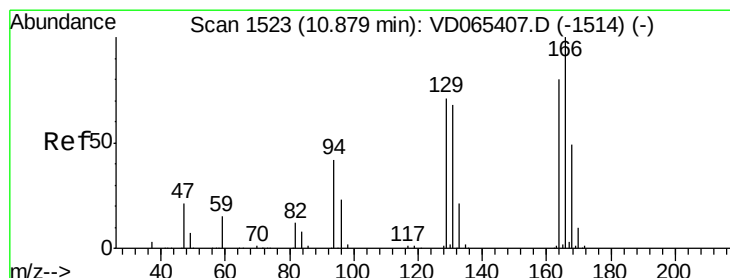
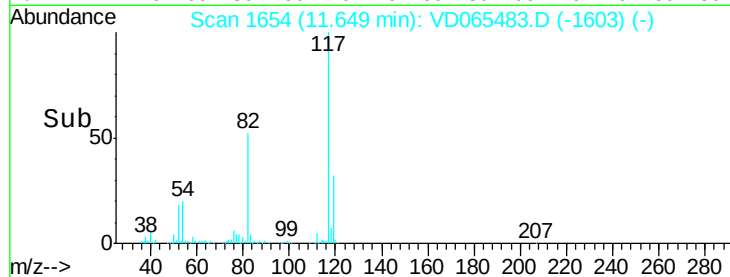
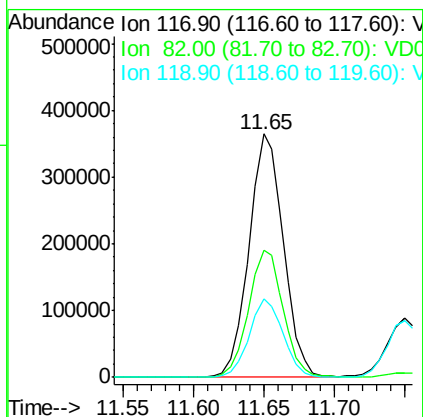
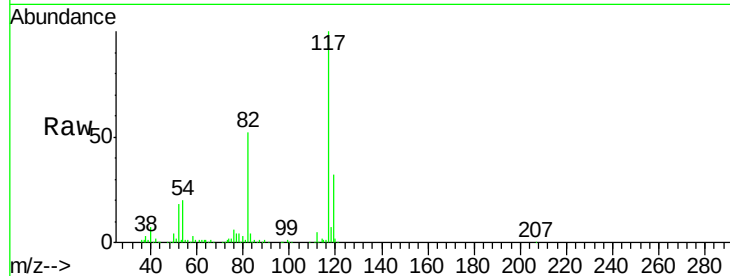




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

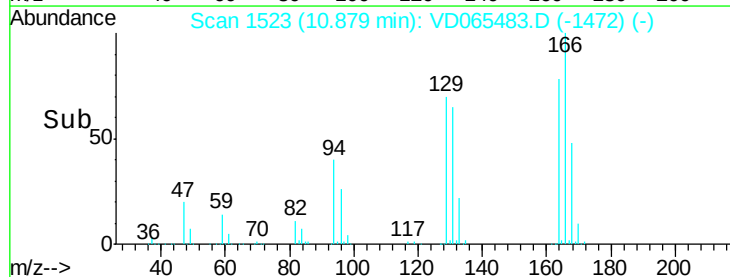
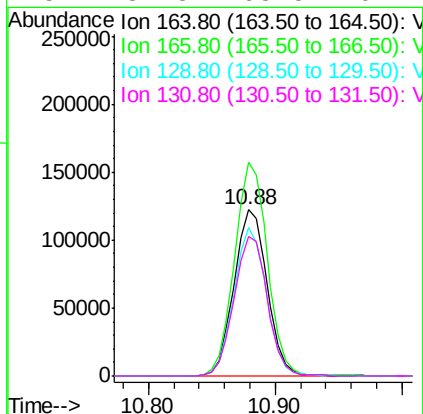
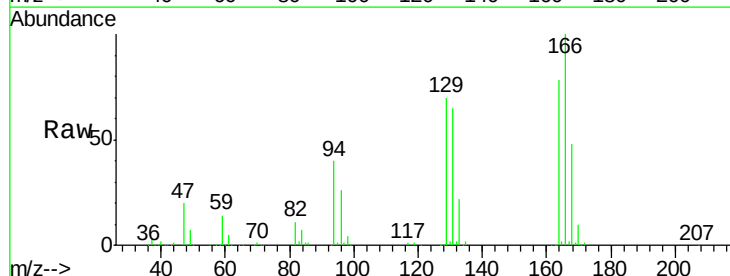
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

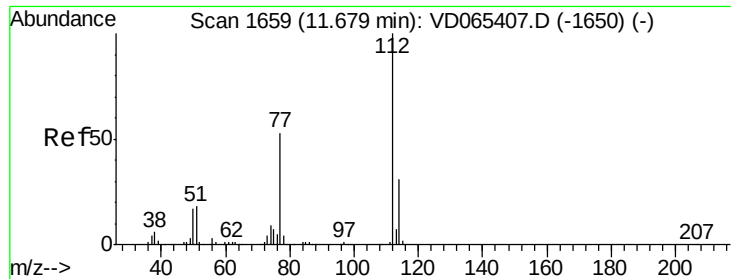
Tgt Ion:117 Resp: 624851
Ion Ratio Lower Upper
117 100
82 52.2 40.6 60.8
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 49.18 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion:164 Resp: 220221
Ion Ratio Lower Upper
164 100
166 128.8 100.5 150.7
129 89.9 71.5 107.3
131 84.3 68.5 102.7

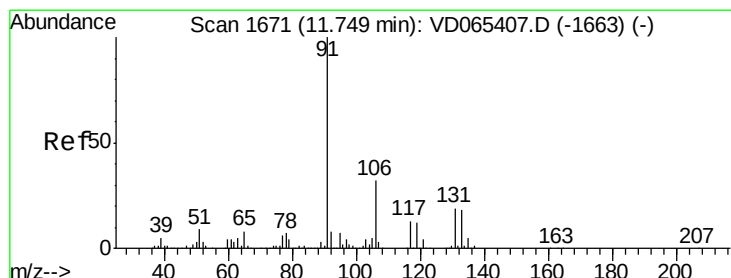
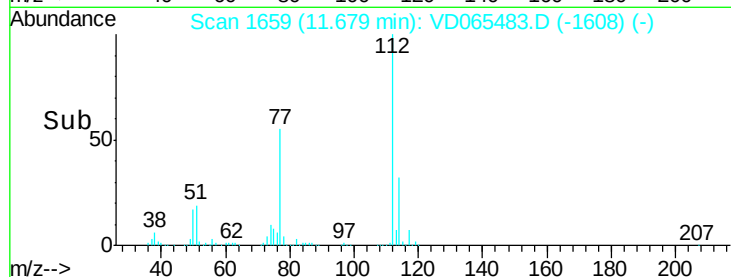
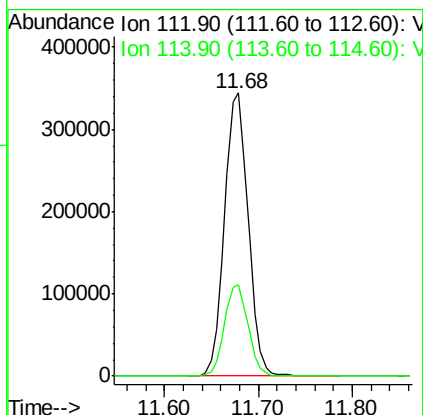
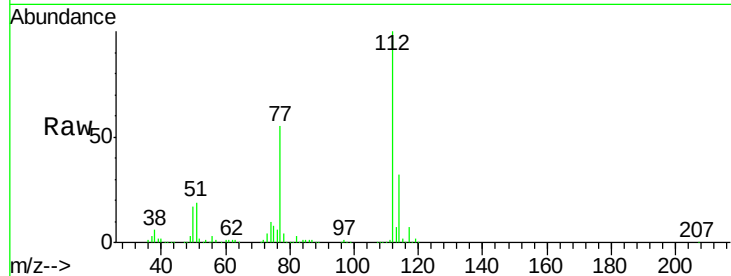




#65
Chlorobenzene
Concen: 48.74 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

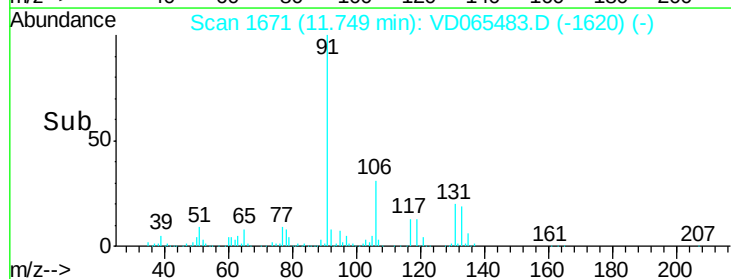
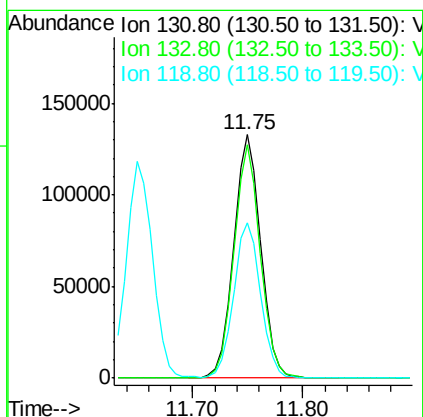
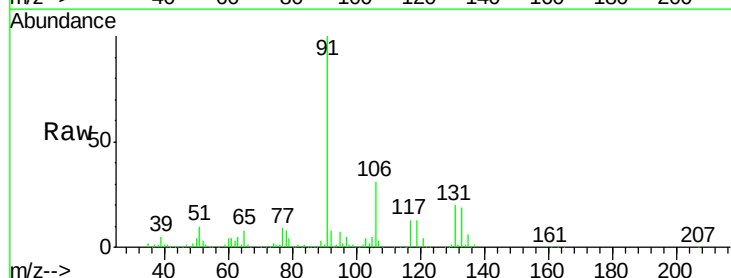
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

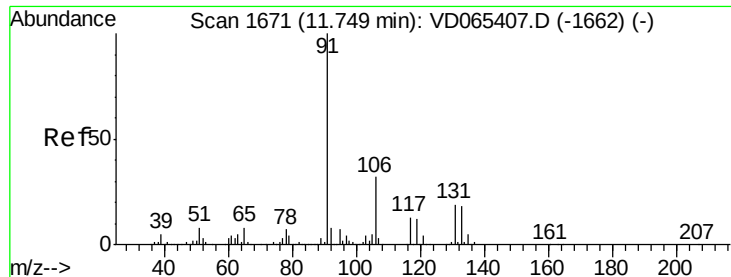
Tgt Ion:112 Resp: 602639
Ion Ratio Lower Upper
112 100
114 32.3 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.62 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion:131 Resp: 227980
Ion Ratio Lower Upper
131 100
133 93.7 49.2 147.6
119 63.9 33.3 99.8





#67

Ethyl Benzene

Concen: 50.63 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

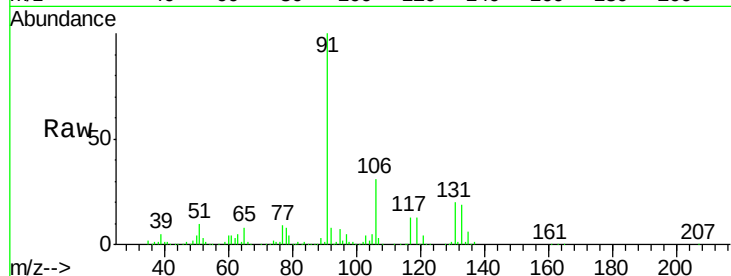
VSTDCCC050

Tgt Ion: 91 Resp: 1081642

Ion Ratio Lower Upper

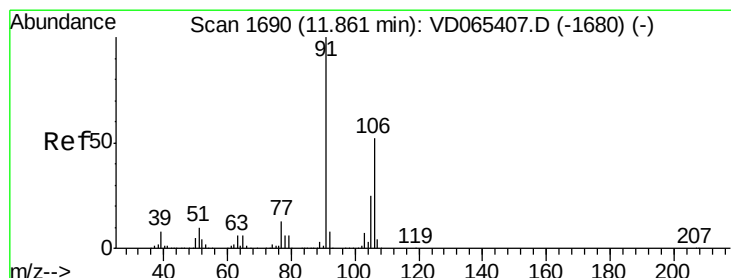
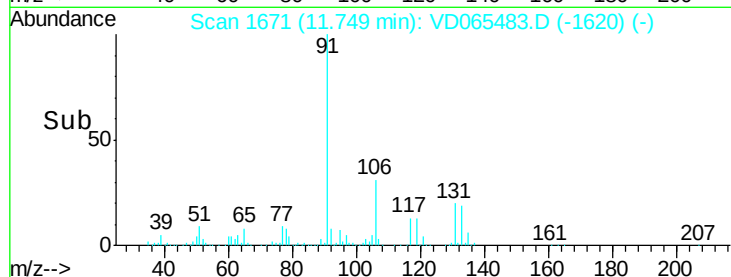
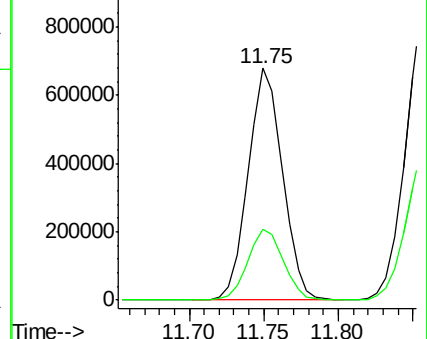
91 100

106 30.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.17 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065483.D

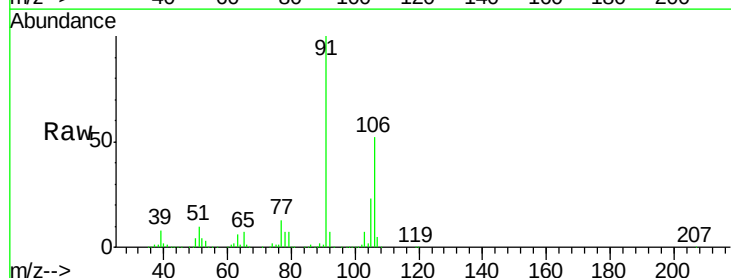
Acq: 12 Mar 2020 10:17

Tgt Ion: 106 Resp: 841701

Ion Ratio Lower Upper

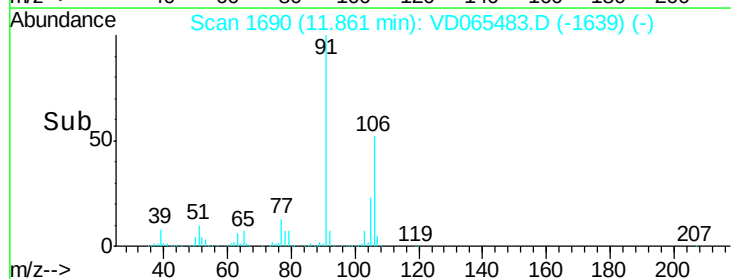
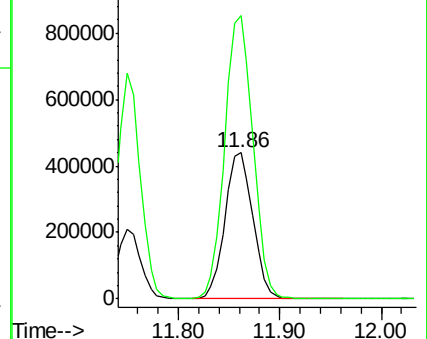
106 100

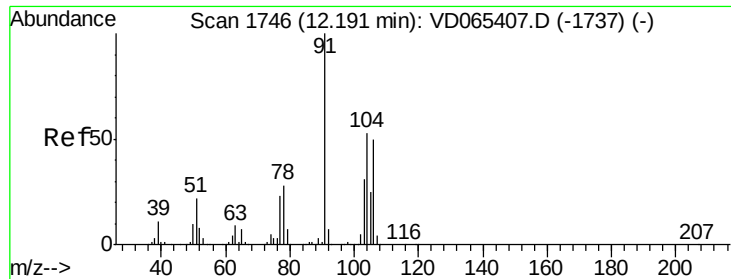
91 195.9 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

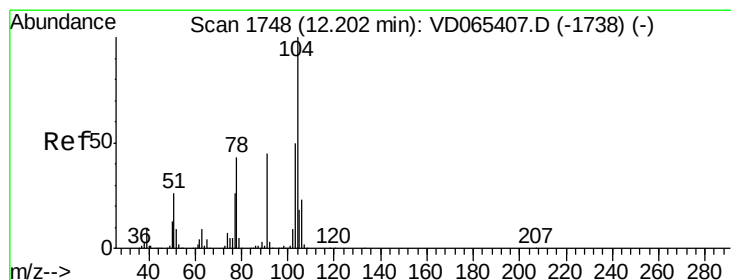
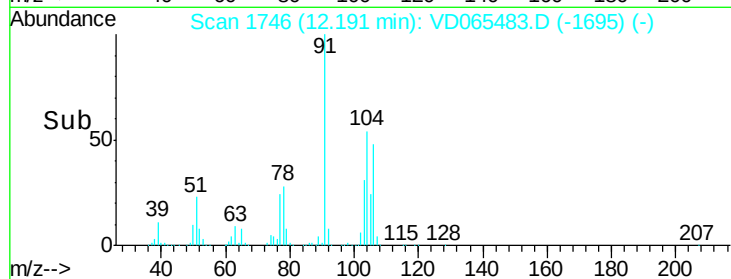
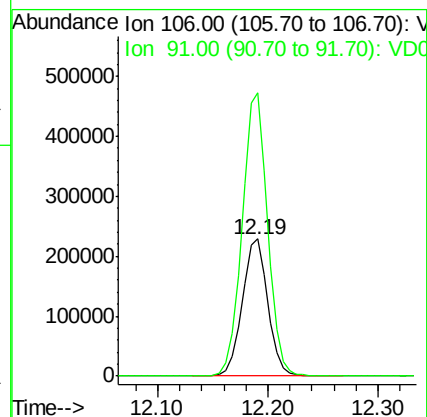
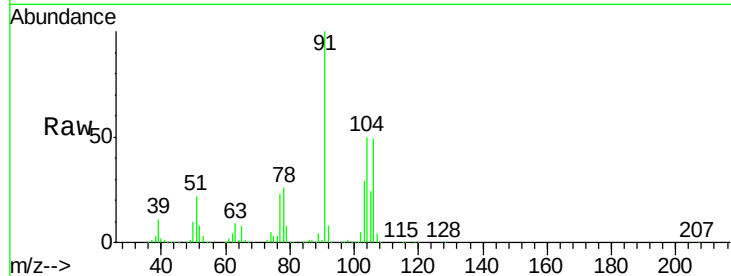




#69
o-Xylene
Concen: 51.12 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

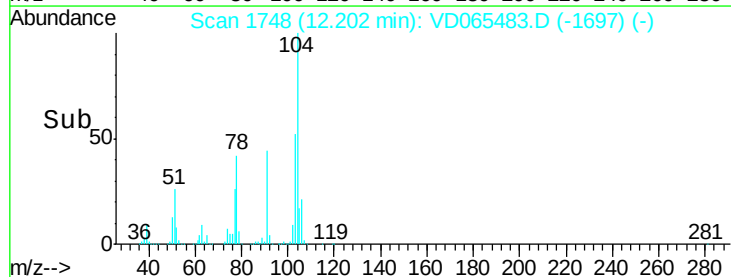
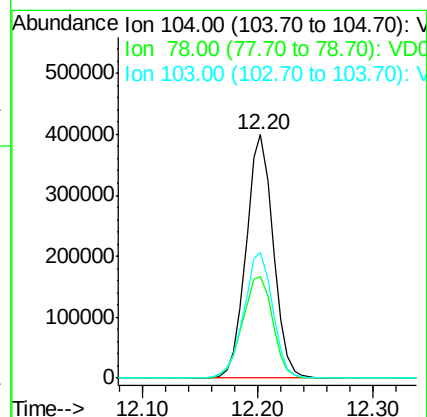
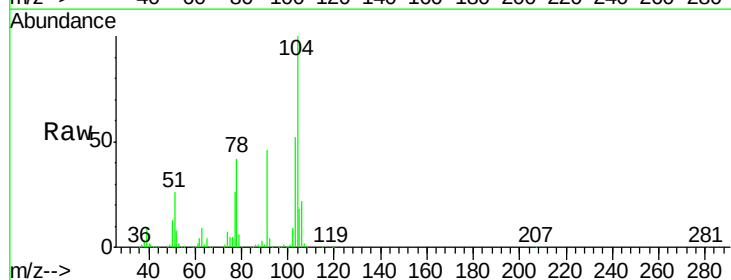
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

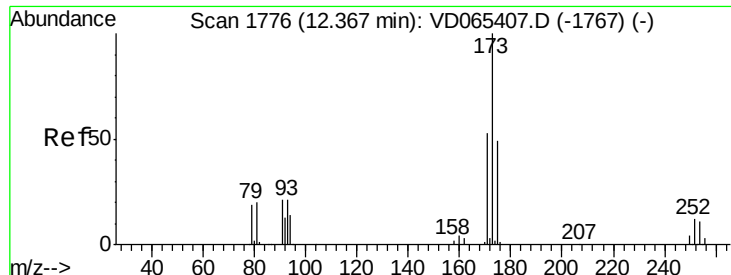
Tgt Ion:106 Resp: 370430
Ion Ratio Lower Upper
106 100
91 206.2 103.5 310.3



#70
Styrene
Concen: 51.17 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion:104 Resp: 652667
Ion Ratio Lower Upper
104 100
78 47.0 37.7 56.5
103 55.1 43.6 65.4





#71

Bromoform

Concen: 47.66 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

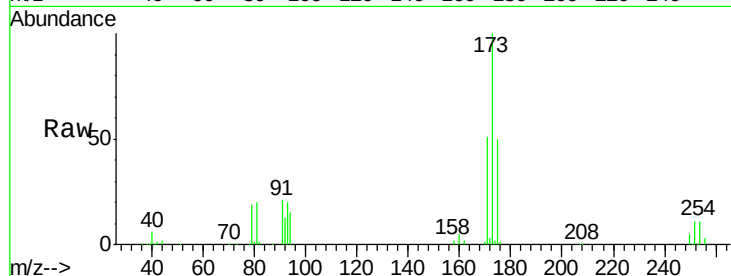
Tgt Ion:173 Resp: 120566

Ion Ratio Lower Upper

173 100

175 49.7 24.3 73.0

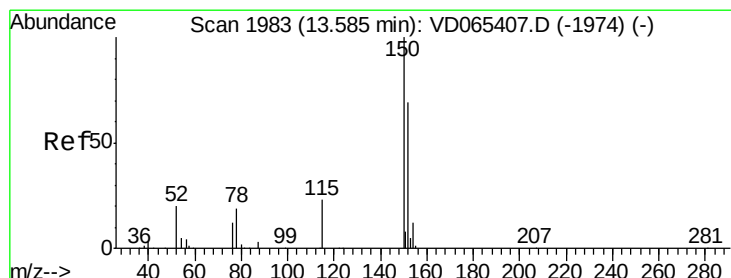
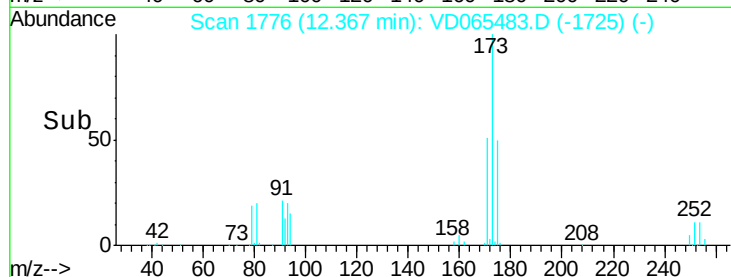
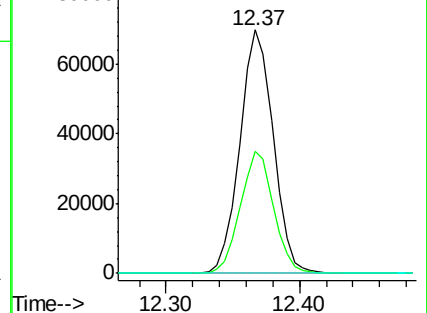
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

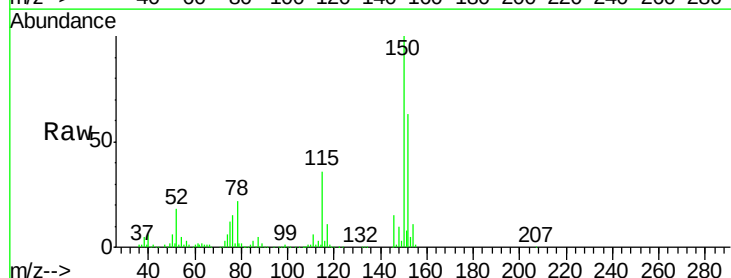
Tgt Ion:152 Resp: 312411

Ion Ratio Lower Upper

152 100

115 56.2 27.6 82.8

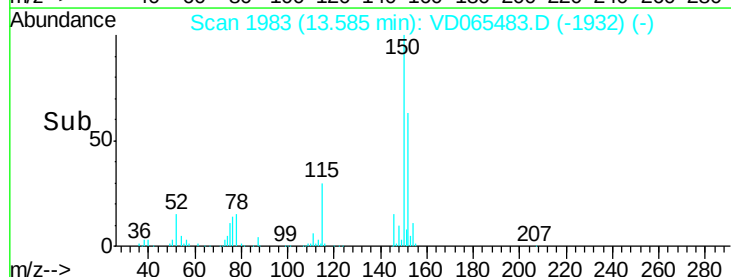
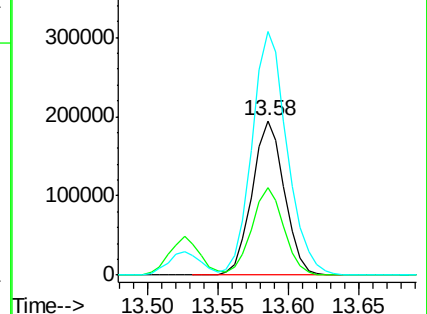
150 172.0 0.0 345.0

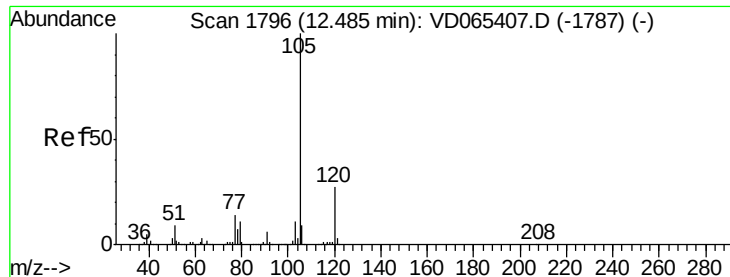


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.16 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

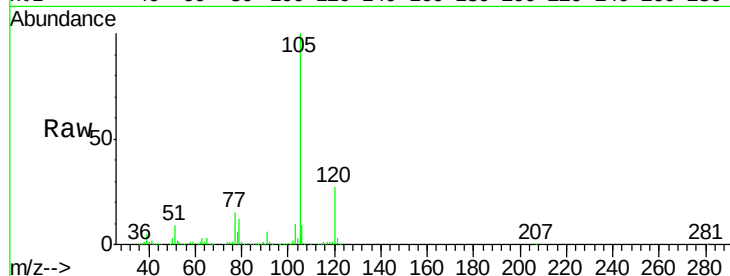
VSTDCCC050

Tgt Ion: 105 Resp: 1030711

Ion Ratio Lower Upper

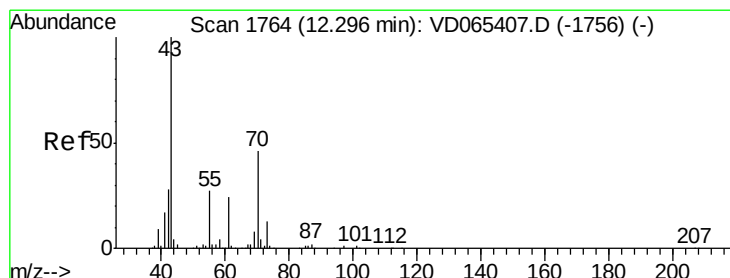
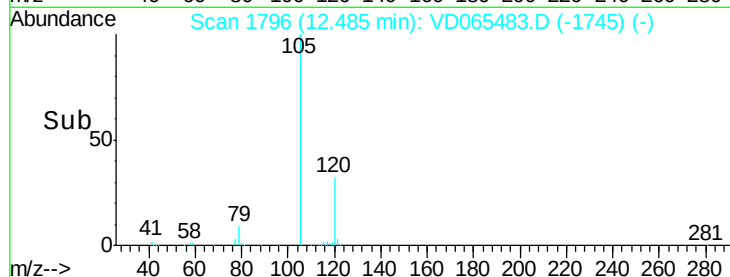
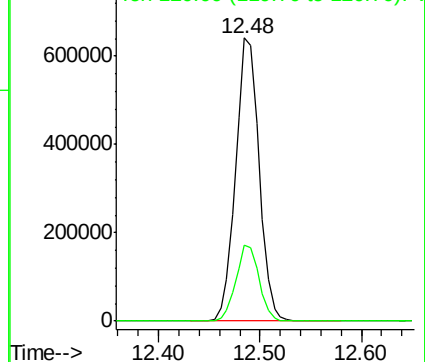
105 100

120 26.7 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: 44.77 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion: 43 Resp: 188320

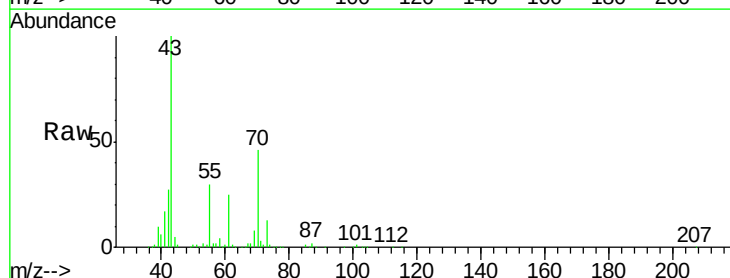
Ion Ratio Lower Upper

43 100

70 45.6 36.1 54.1

55 29.1 21.6 32.4

61 24.0 19.6 29.4

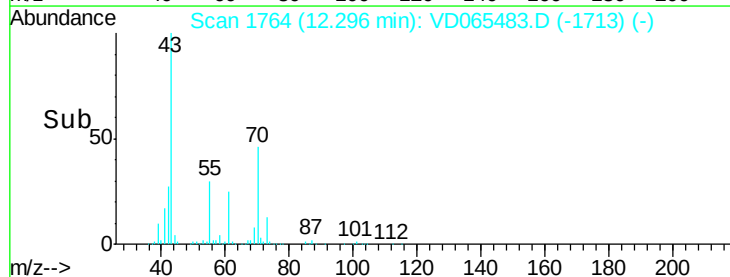
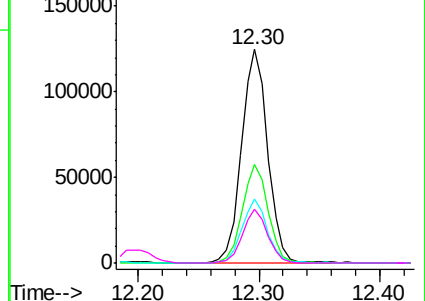


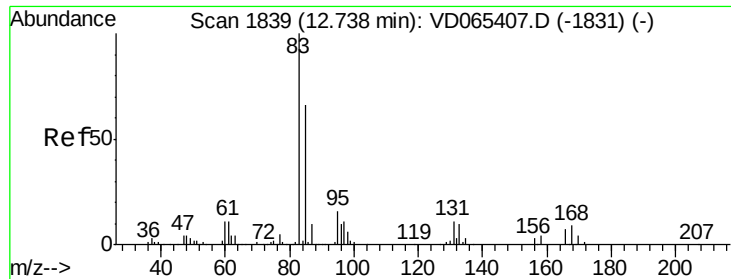
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.67 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

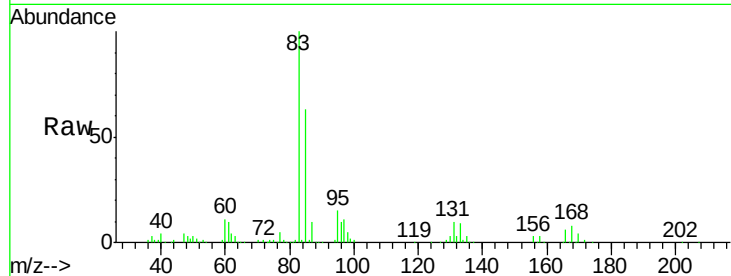
Tgt Ion: 83 Resp: 164951

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

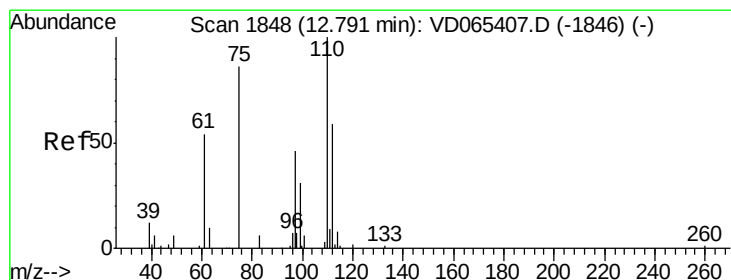
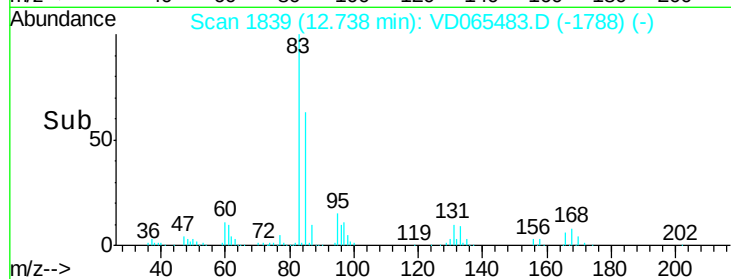
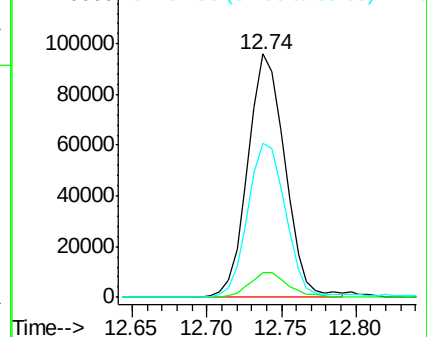
85 64.1 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 85.63 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065483.D

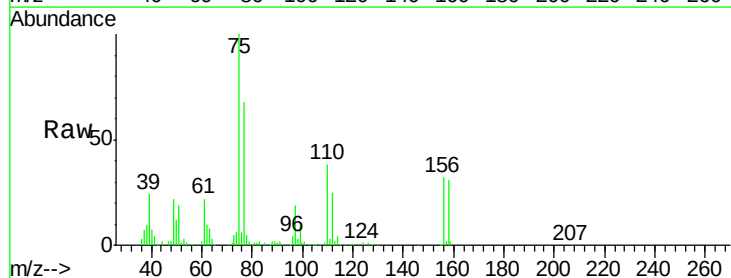
Acq: 12 Mar 2020 10:17

Tgt Ion: 75 Resp: 211085

Ion Ratio Lower Upper

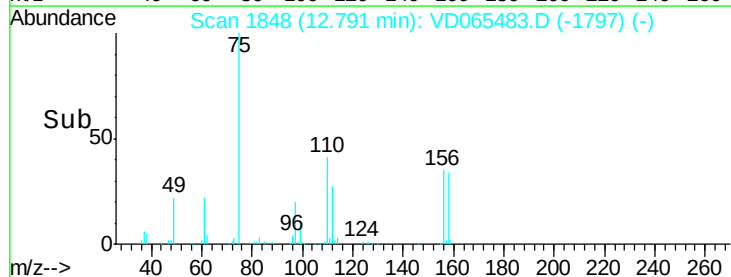
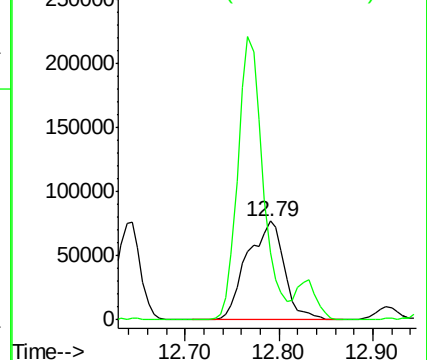
75 100

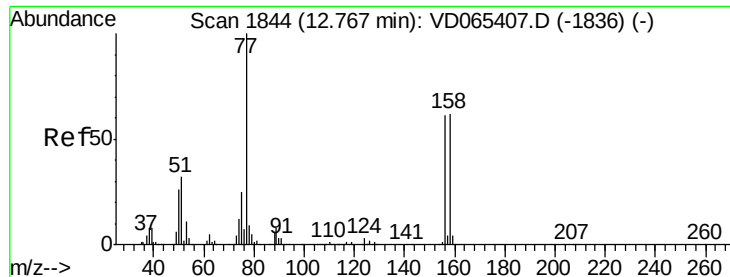
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.91 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

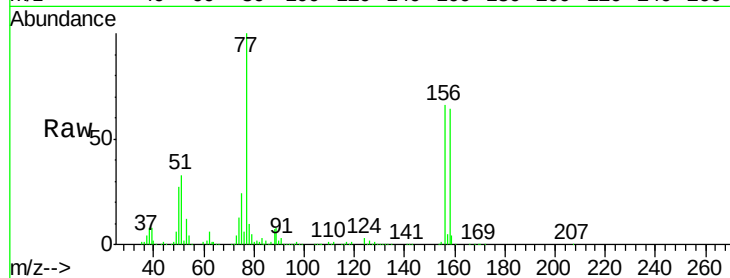
Tgt Ion:156 Resp: 249701

Ion Ratio Lower Upper

156 100

77 164.6 84.9 254.6

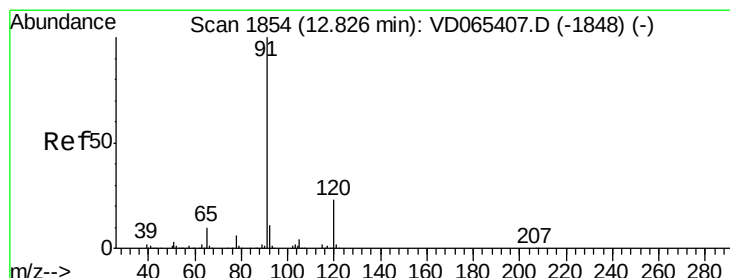
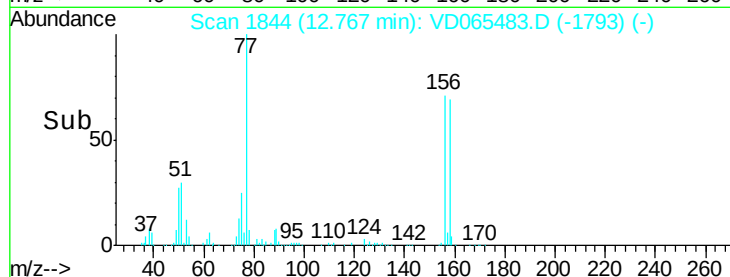
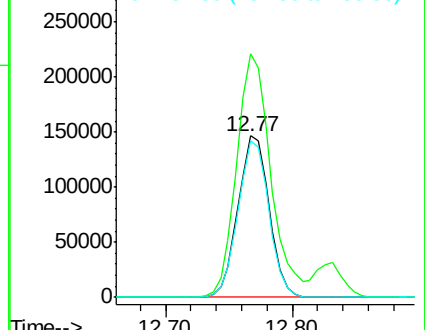
158 96.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.98 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065483.D

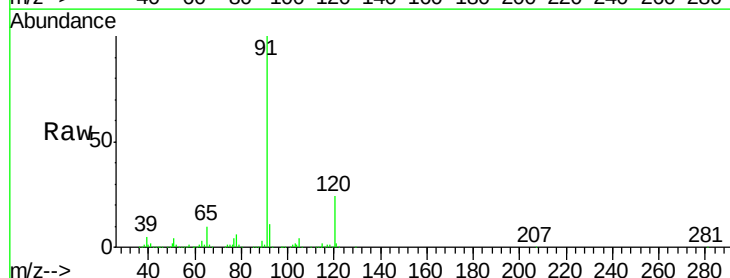
Acq: 12 Mar 2020 10:17

Tgt Ion: 91 Resp: 1242872

Ion Ratio Lower Upper

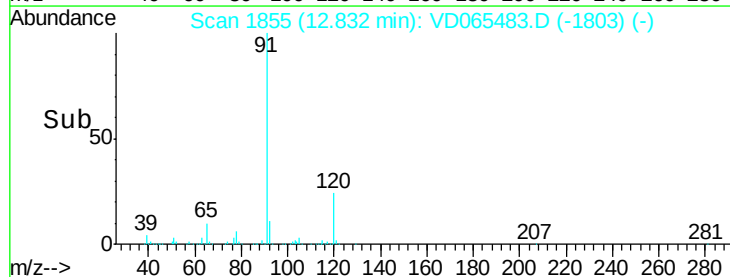
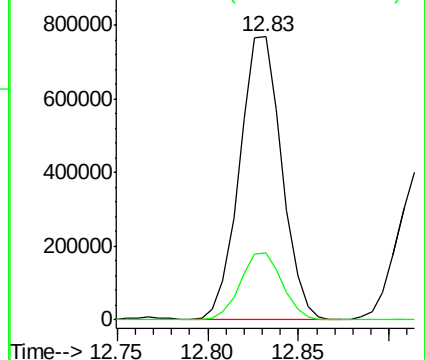
91 100

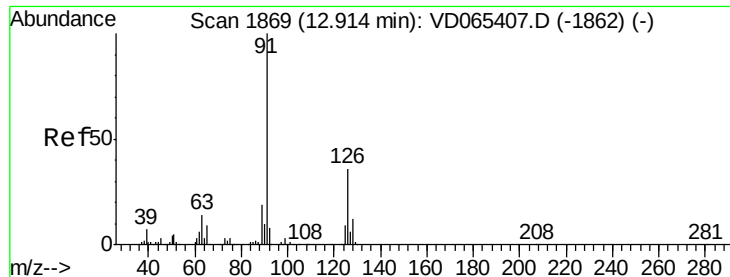
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.92 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

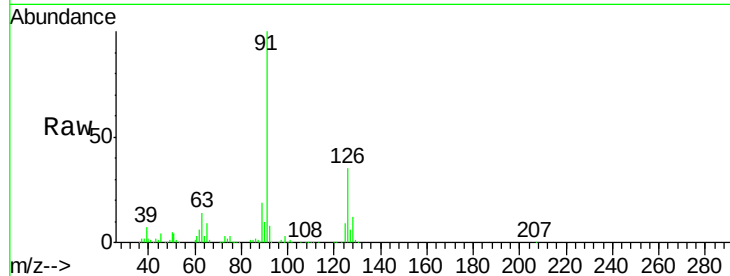
VSTDCCC050

Tgt Ion: 91 Resp: 672195

Ion Ratio Lower Upper

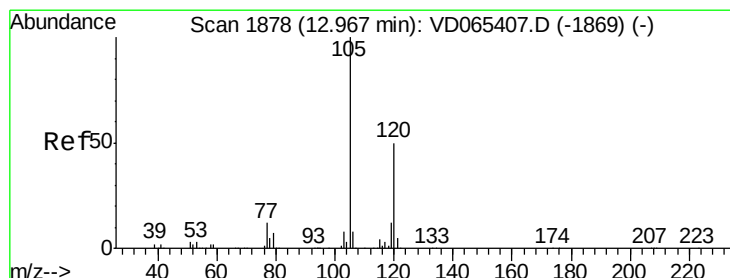
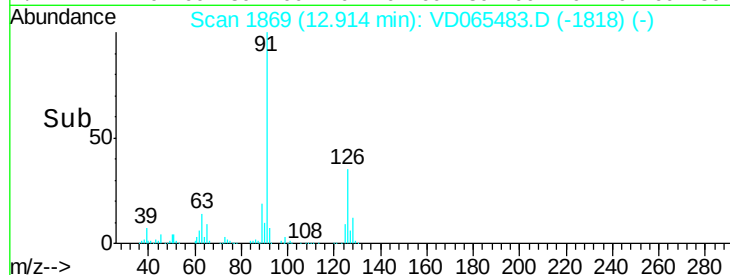
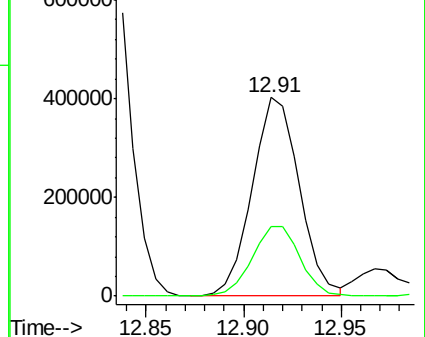
91 100

126 35.8 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: 51.14 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065483.D

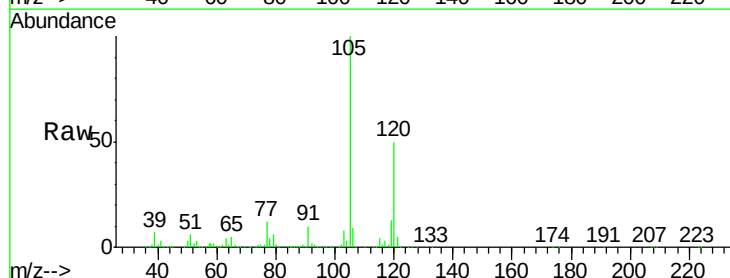
Acq: 12 Mar 2020 10:17

Tgt Ion: 105 Resp: 863929

Ion Ratio Lower Upper

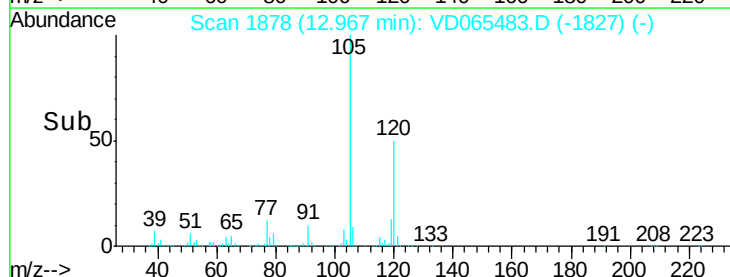
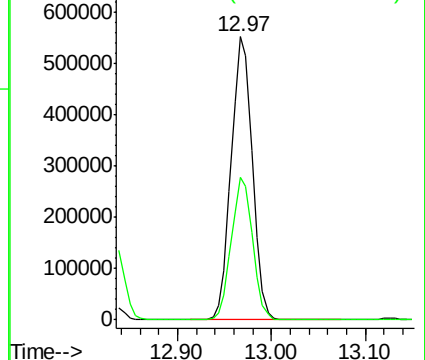
105 100

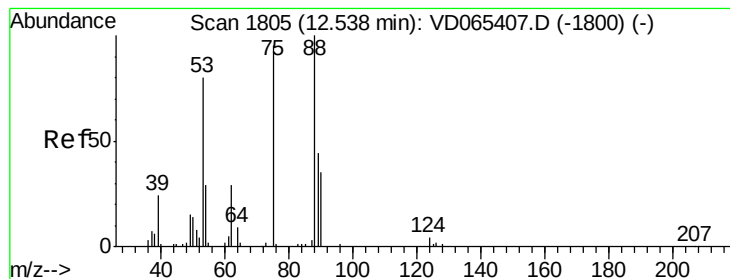
120 50.3 25.4 76.0



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: 45.52 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

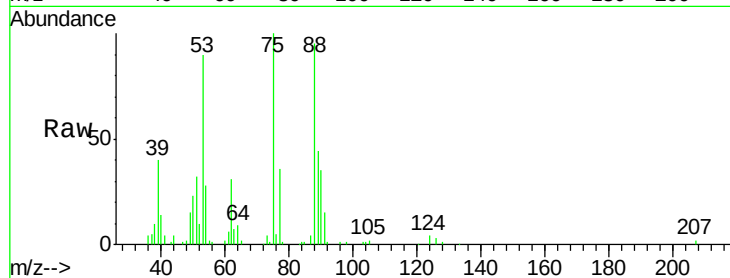
Tgt Ion: 75 Resp: 53178

Ion Ratio Lower Upper

75 100

53 90.1 71.3 106.9

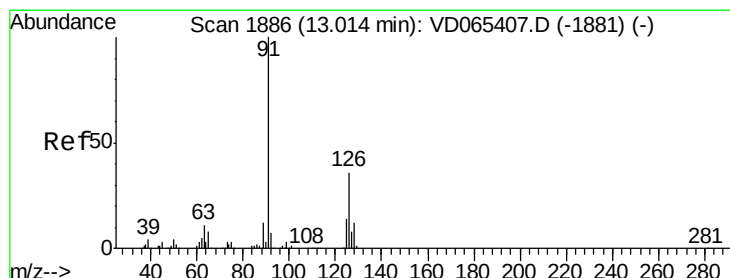
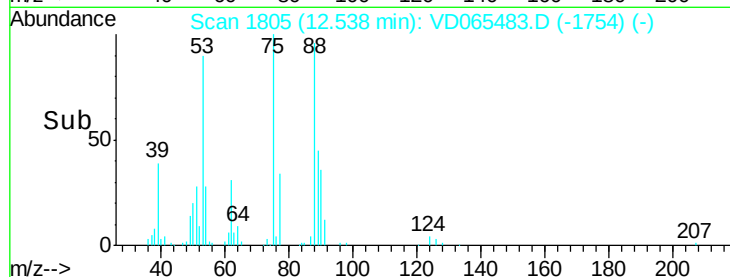
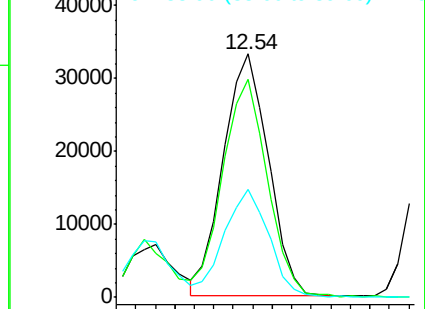
89 44.5 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.53 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065483.D

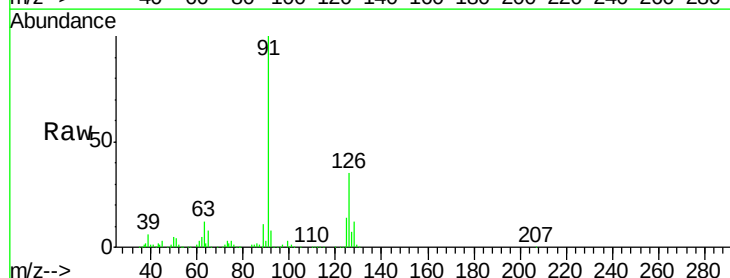
Acq: 12 Mar 2020 10:17

Tgt Ion: 91 Resp: 715220

Ion Ratio Lower Upper

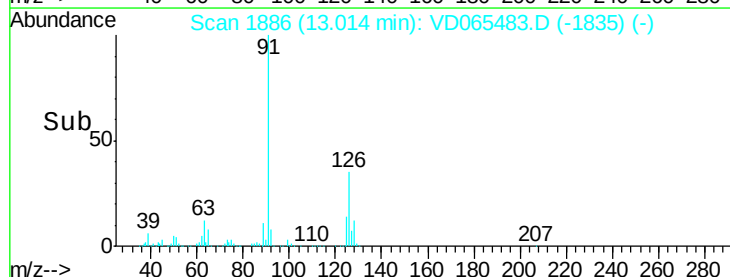
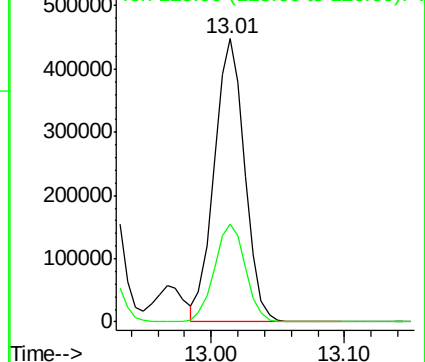
91 100

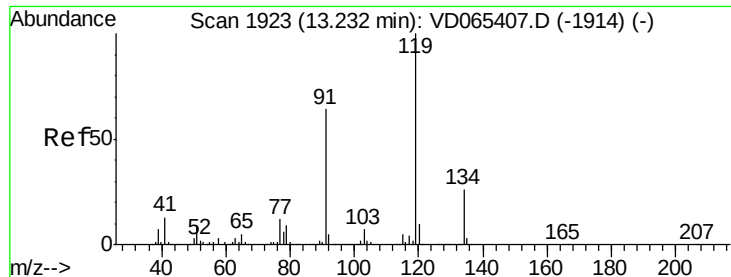
126 35.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

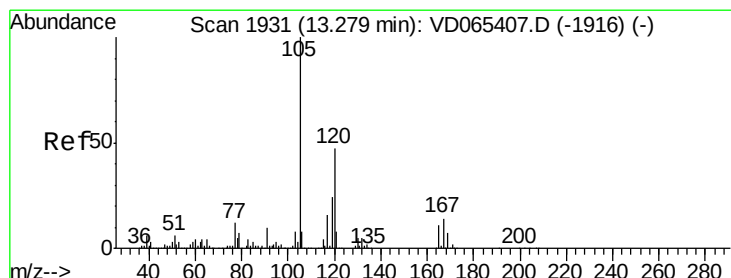
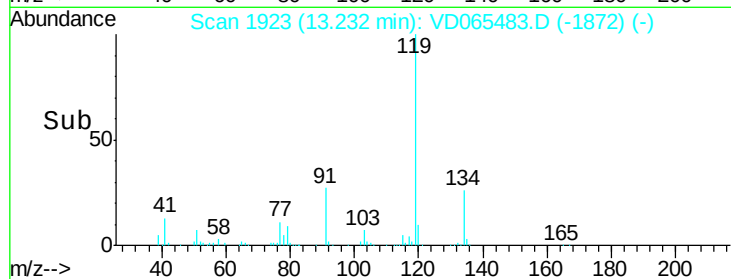
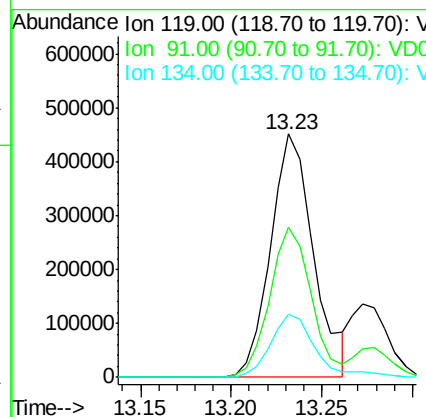
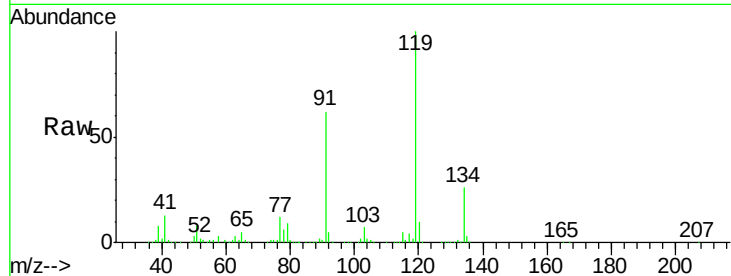




#83
 tert-Butylbenzene
 Concen: 52.09 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

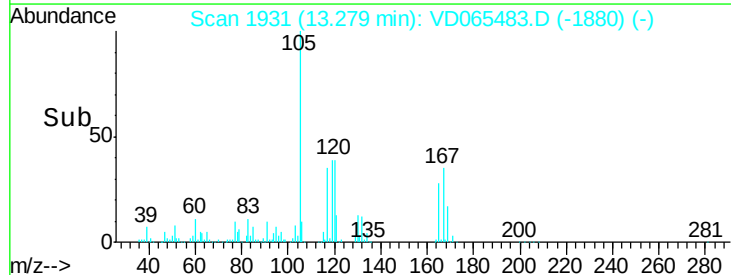
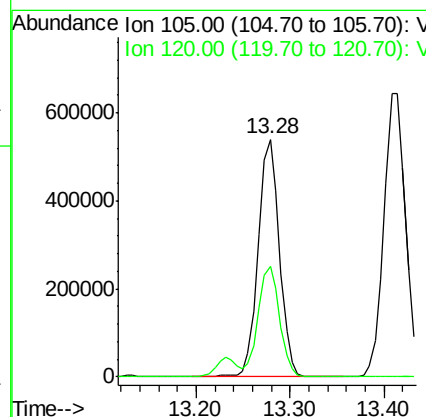
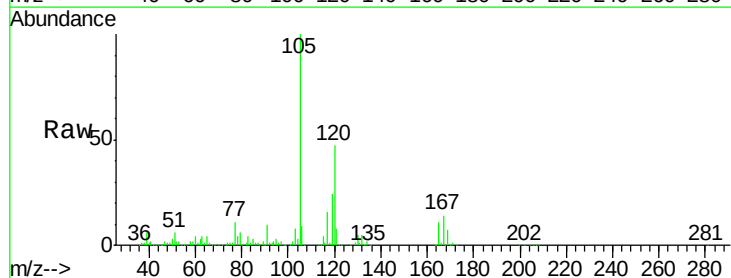
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

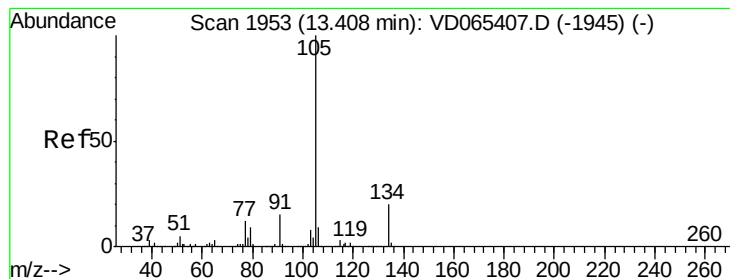
Tgt Ion:119 Resp: 744490
 Ion Ratio Lower Upper
 119 100
 91 59.9 31.6 95.0
 134 27.2 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.87 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion:105 Resp: 847163
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 50.34 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

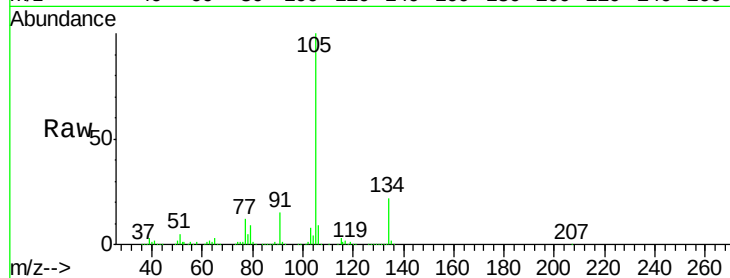
VSTDCCC050

Tgt Ion:105 Resp: 1026967

Ion Ratio Lower Upper

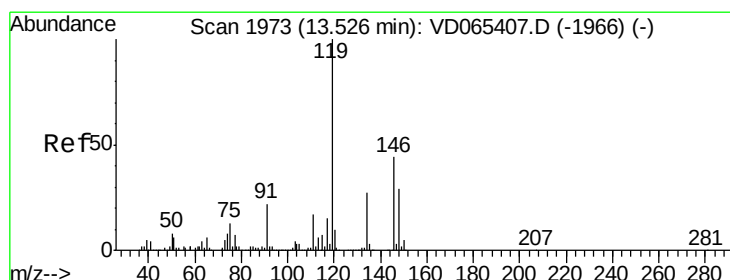
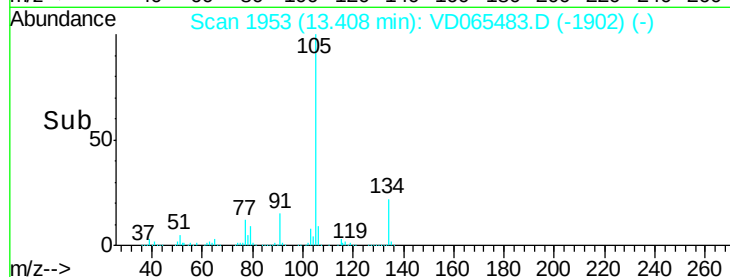
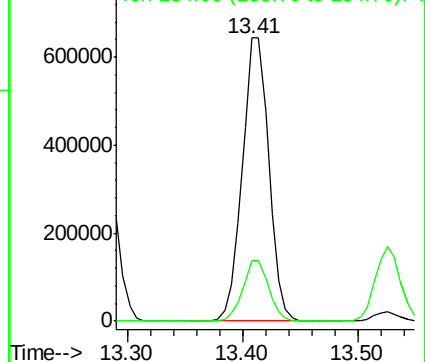
105 100

134 21.1 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: 51.28 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

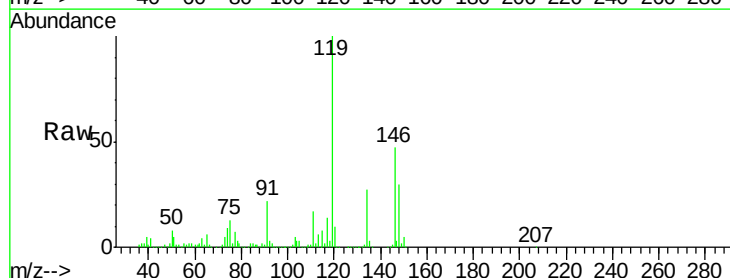
Tgt Ion:119 Resp: 954554

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.9

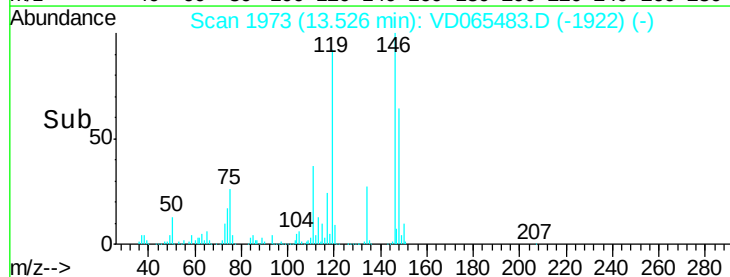
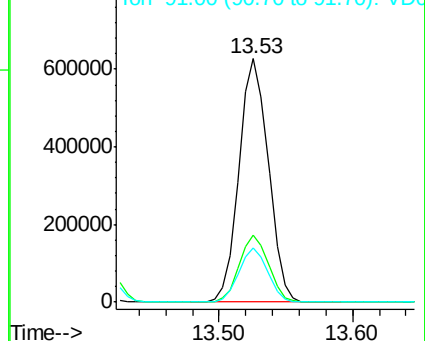
91 21.9 10.9 32.6

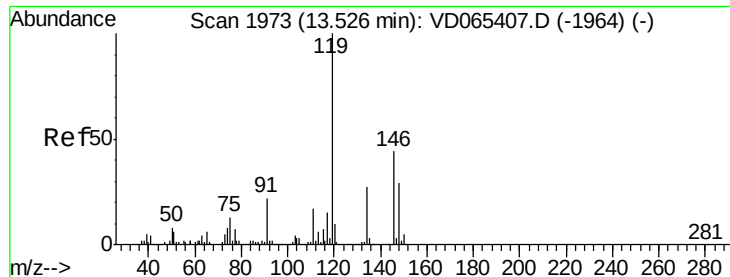


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.95 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

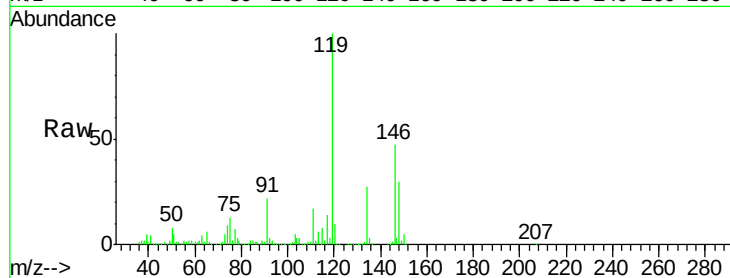
Tgt Ion:146 Resp: 480498

Ion Ratio Lower Upper

146 100

111 37.1 19.1 57.1

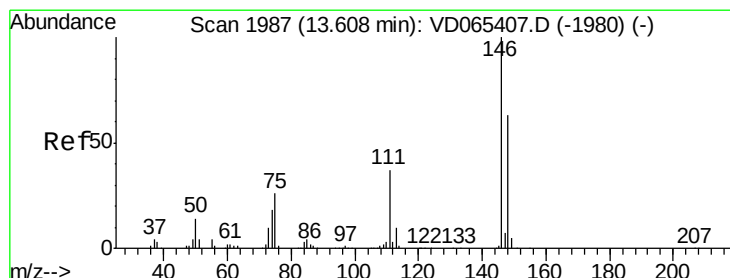
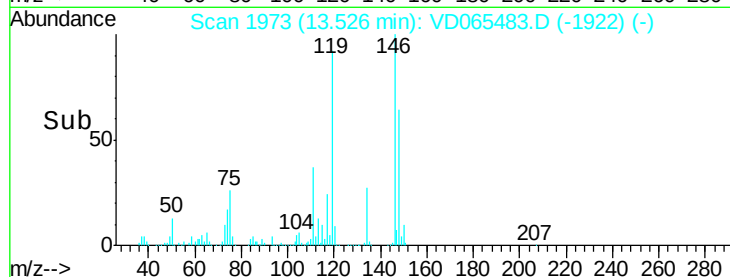
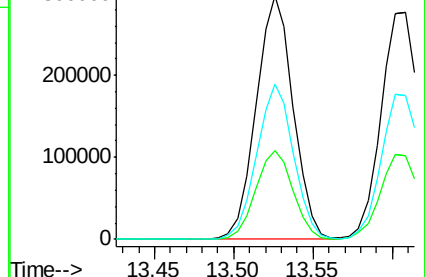
148 63.8 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.91 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

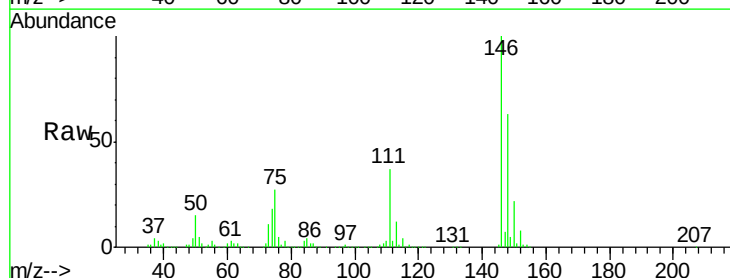
Tgt Ion:146 Resp: 467813

Ion Ratio Lower Upper

146 100

111 37.4 18.5 55.5

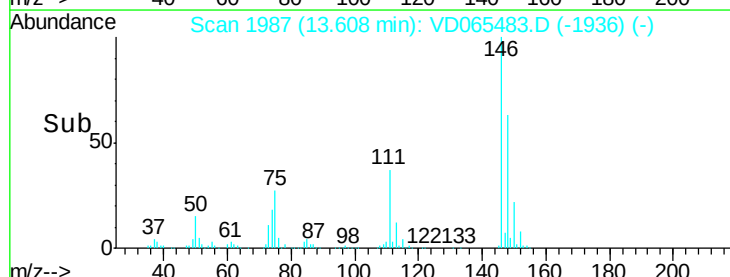
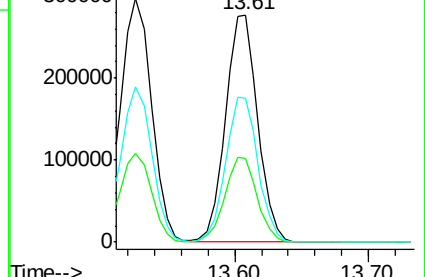
148 63.9 32.0 96.0

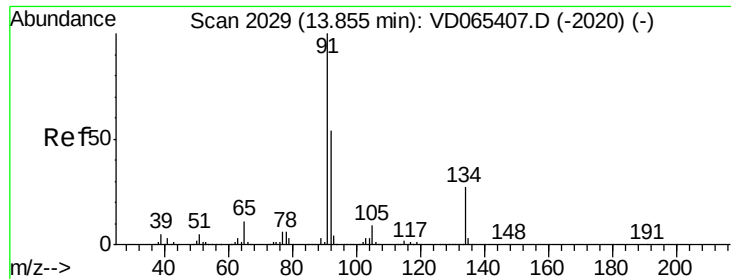


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

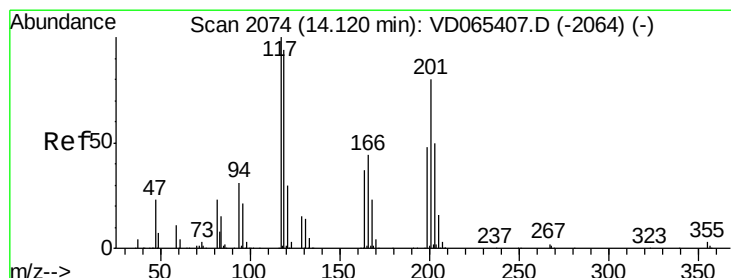
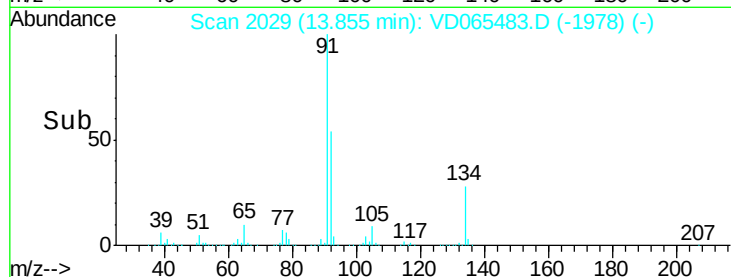
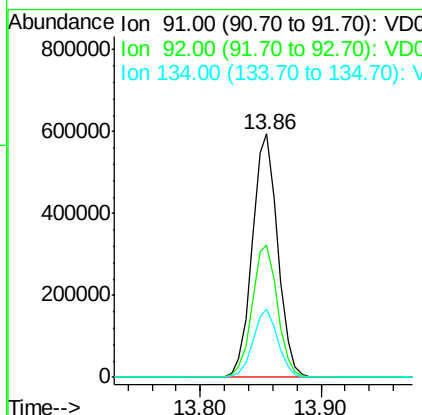
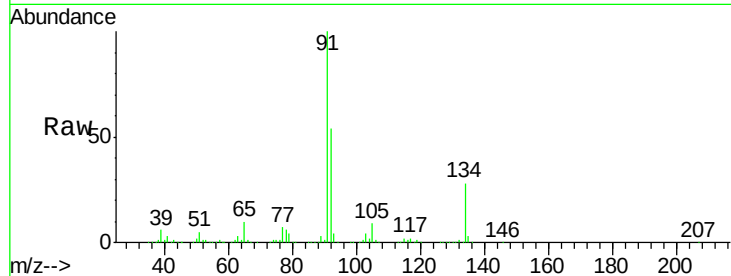




#89
n-Butylbenzene
Concen: 50.61 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

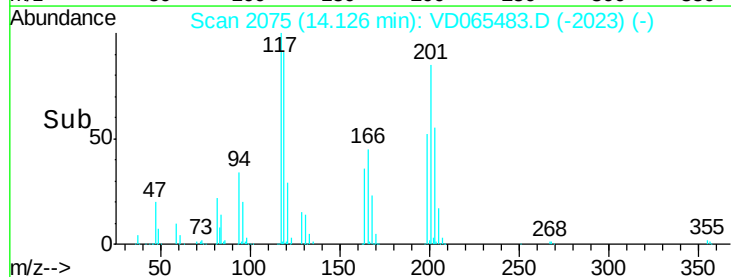
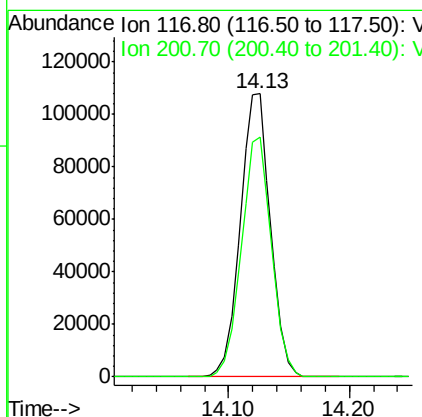
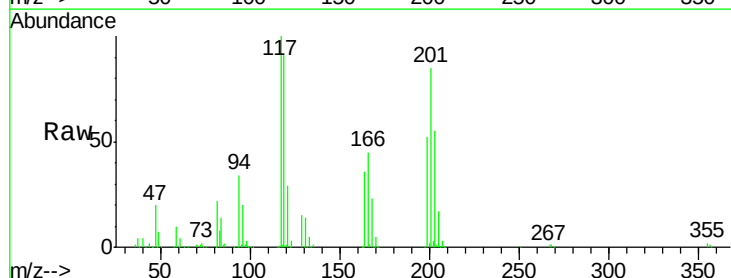
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

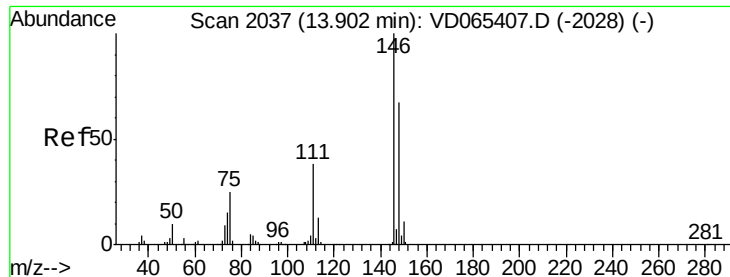
Tgt Ion: 91 Resp: 871078
Ion Ratio Lower Upper
91 100
92 54.3 26.8 80.4
134 27.4 13.4 40.2



#90
Hexachloroethane
Concen: 48.83 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 117 Resp: 187180
Ion Ratio Lower Upper
117 100
201 84.3 41.9 125.6

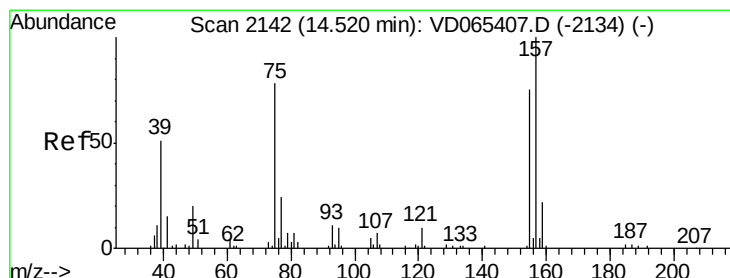
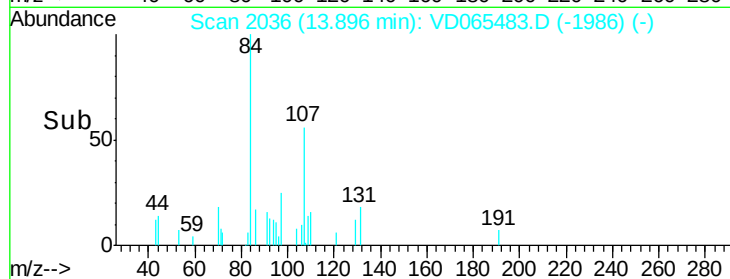
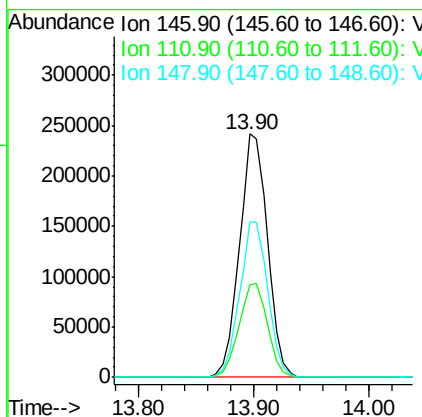
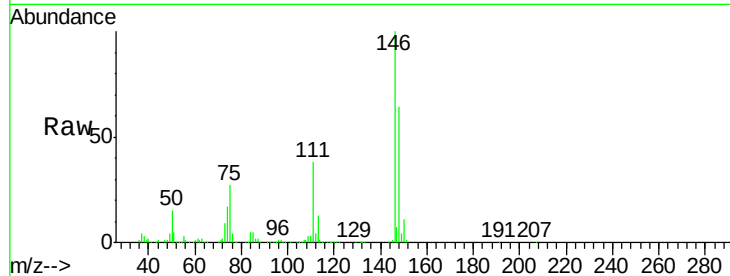




#91
 1,2-Dichlorobenzene
 Concen: 48.65 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

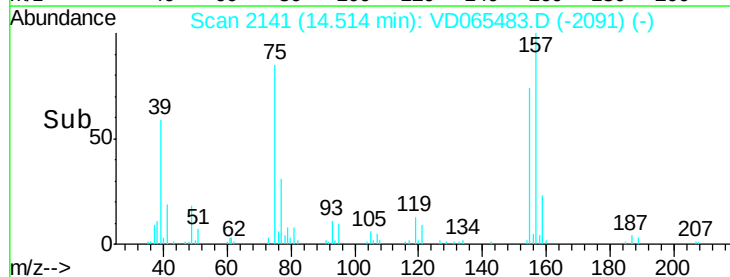
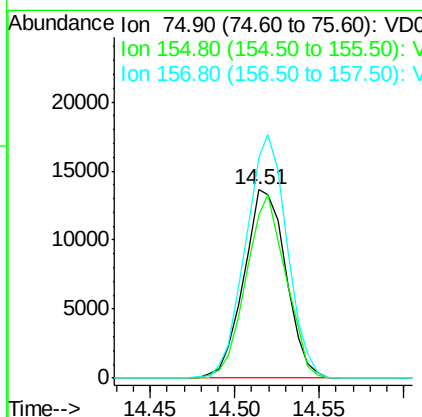
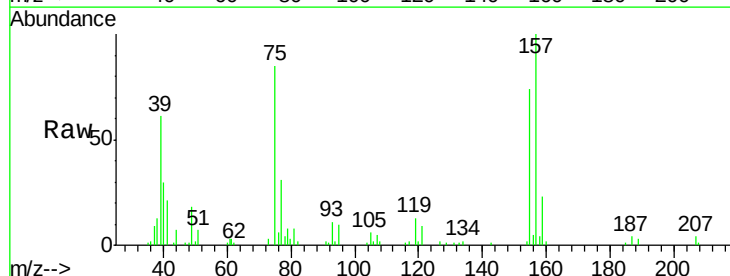
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

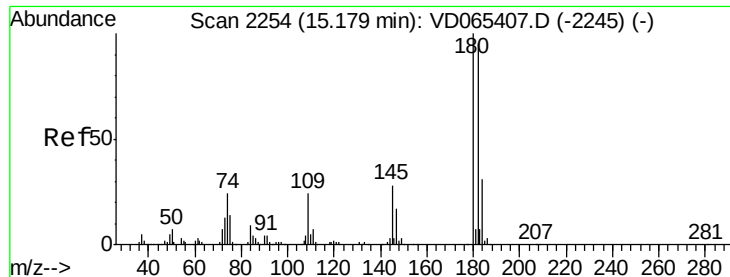
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.1	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.99 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	46.4	139.1
157	126.6	60.2	180.4

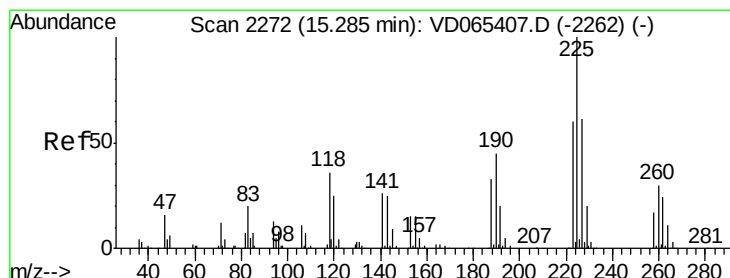
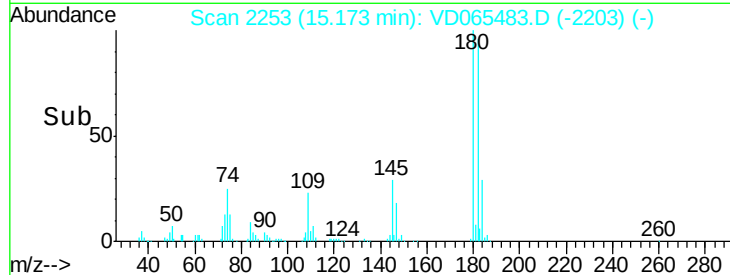
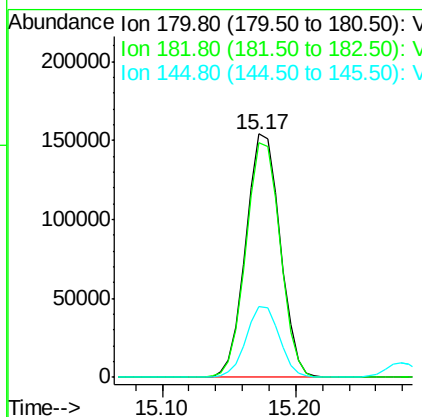
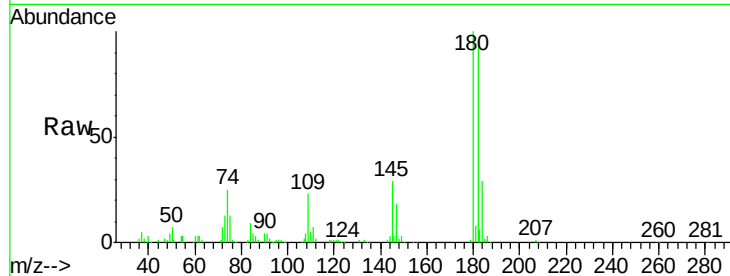




#93
 1,2,4-Trichlorobenzene
 Concen: 48.32 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

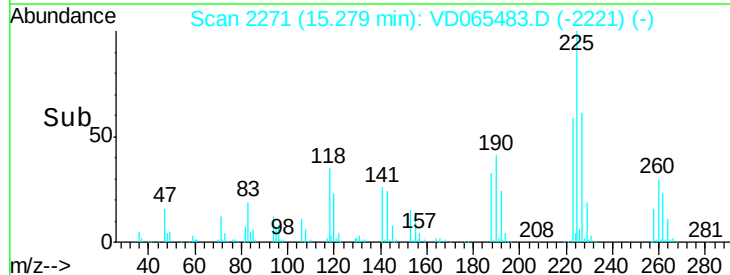
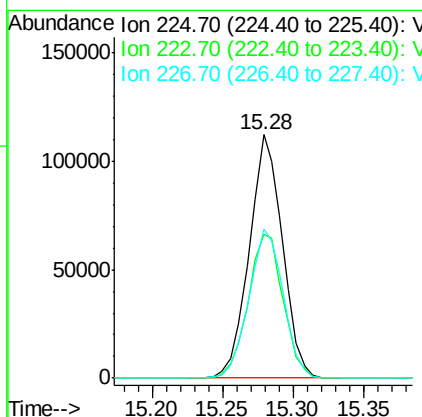
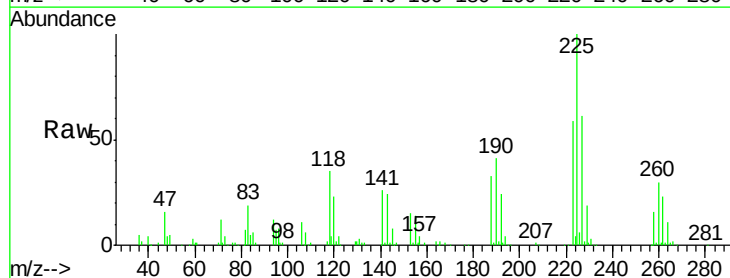
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

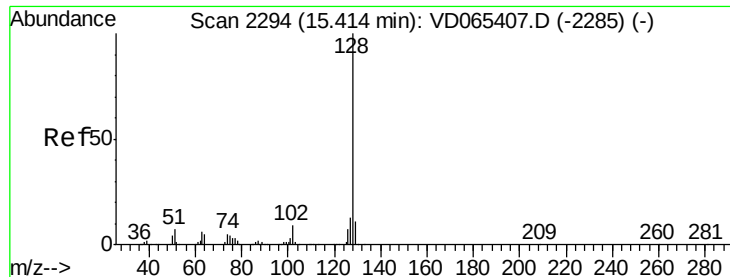
Tgt Ion:180 Resp: 273538
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.3 144.9
 145 28.5 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 49.69 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion:225 Resp: 184844
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.5
 227 63.4 31.6 94.7

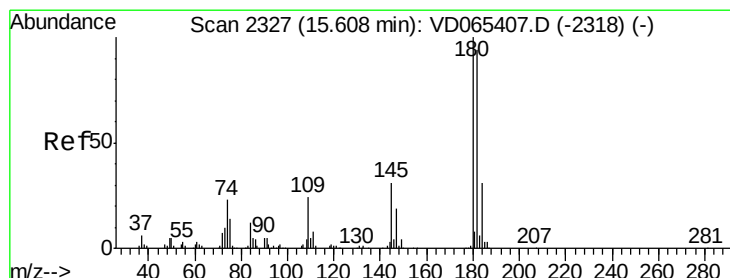
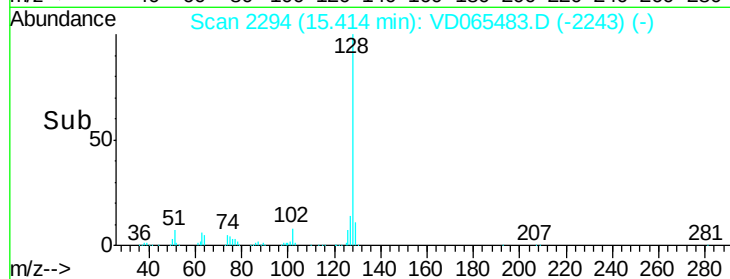
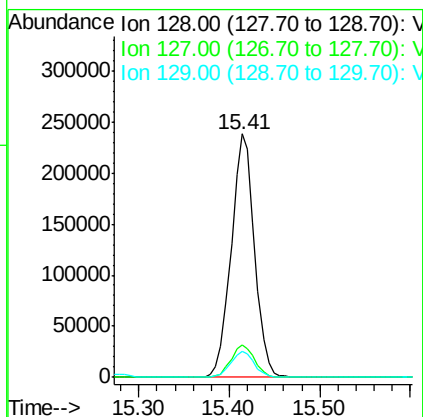
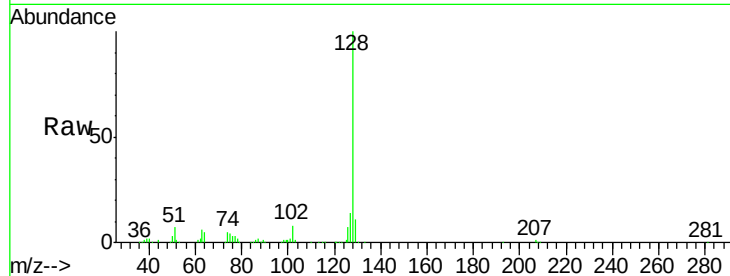




#95
Naphthalene
Concen: 42.73 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 424020
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.47 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion:180 Resp: 237103
Ion Ratio Lower Upper
180 100
182 95.9 46.9 140.6
145 30.0 15.0 45.1

