

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031120\NOT REVIEWED DATA\
 Data File : VD065476.D
 Acq On : 11 Mar 2020 12:37
 Operator : VA/SY
 Sample : VD0311SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Quant Time: Mar 16 11:08:32 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	475889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	694565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	632123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316623	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	197340	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.92	113	212364	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.34	98	821073	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.64	95	260182	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	92985	22.74	ug/l	94
3) Chloromethane	2.21	50	105378	21.34	ug/l	99
4) Vinyl Chloride	2.35	62	106215	21.81	ug/l	99
5) Bromomethane	2.77	94	68633	22.52	ug/l	97
6) Chloroethane	2.92	64	64858	21.74	ug/l	100
7) Trichlorofluoromethane	3.27	101	153331	21.37	ug/l	98
8) Diethyl Ether	3.70	74	44305	20.76	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98948	21.41	ug/l	98
10) Methyl Iodide	4.29	142	100796	20.99	ug/l	99
11) Tert butyl alcohol	5.24	59	24049	102.71	ug/l	96
12) 1,1-Dichloroethene	4.06	96	91039	20.57	ug/l	92
13) Acrolein	3.92	56	36559	90.53	ug/l	100
14) Allyl chloride	4.71	41	137517	20.23	ug/l	98
15) Acrylonitrile	5.43	53	96385	103.81	ug/l	99
16) Acetone	4.17	43	82071	99.41	ug/l	94
17) Carbon Disulfide	4.40	76	305969	20.76	ug/l	100
18) Methyl Acetate	4.72	43	45654	21.80	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	175172	20.58	ug/l	95
20) Methylene Chloride	4.97	84	116194	24.13	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	103312	20.98	ug/l	97
22) Diisopropyl ether	6.37	45	276356	21.87	ug/l	98
23) Vinyl Acetate	6.31	43	726589	103.54	ug/l	99
24) 1,1-Dichloroethane	6.27	63	172911	21.33	ug/l	98
25) 2-Butanone	7.22	43	115603	102.61	ug/l	98
26) 2,2-Dichloropropane	7.21	77	147994	20.89	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105442	20.95	ug/l	99
28) Bromochloromethane	7.55	49	67920	20.94	ug/l	99
29) Tetrahydrofuran	7.57	42	72459	100.71	ug/l	98
30) Chloroform	7.71	83	178069	21.98	ug/l	95
31) Cyclohexane	7.98	56	165187	20.38	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	160804	21.48	ug/l	99
36) 1,1-Dichloropropene	8.11	75	143268	21.52	ug/l	99
37) Ethyl Acetate	7.30	43	54998	21.37	ug/l #	95
38) Carbon Tetrachloride	8.10	117	149444	21.65	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160217	19.92	ug/l	95
40) Benzene	8.35	78	411868	22.13	ug/l	100
41) Methacrylonitrile	7.53	41	34207	25.14	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	107329	22.08	ug/l	98
43) Isopropyl Acetate	8.46	43	99805	21.00	ug/l	98
44) Trichloroethene	9.11	130	111859	21.28	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97950	21.72	ug/l	98
46) Dibromomethane	9.48	93	50996	21.80	ug/l	96
47) Bromodichloromethane	9.67	83	133555	21.95	ug/l	97
48) Methyl methacrylate	9.46	41	44144	19.75	ug/l	93
49) 1,4-Dioxane	9.46	88	11200	418.63	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	258887	108.27	ug/l	100
52) Toluene	10.41	92	257531	21.96	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	121467	21.36	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	146390	21.27	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	72732	21.96	ug/l	96
56) Ethyl methacrylate	10.67	69	76334	20.44	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122038	21.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	114271	99.23	ug/l	100
59) 2-Hexanone	10.99	43	173560	104.86	ug/l	98
60) Dibromochloromethane	11.14	129	94716	22.31	ug/l	99
61) 1,2-Dibromoethane	11.26	107	68814	21.78	ug/l	98
64) Tetrachloroethene	10.88	164	99486	21.96	ug/l	97
65) Chlorobenzene	11.67	112	268954	21.50	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	102604	22.52	ug/l	96
67) Ethyl Benzene	11.75	91	461449	21.35	ug/l	99
68) m/p-Xylenes	11.86	106	369341	44.32	ug/l	100
69) o-Xylene	12.18	106	159071	21.70	ug/l	98
70) Styrene	12.20	104	282512	21.90	ug/l	100
71) Bromoform	12.37	173	56735	22.17	ug/l #	97
73) Isopropylbenzene	12.48	105	436289	20.95	ug/l	100
74) N-amyl acetate	12.30	43	85942	20.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	76944	21.02	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	99128	39.68	ug/l #	100
77) Bromobenzene	12.77	156	112302	21.70	ug/l	100
78) n-propylbenzene	12.83	91	523926	21.20	ug/l	99
79) 2-Chlorotoluene	12.91	91	293936	21.11	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364309	21.28	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24391	20.60	ug/l	99
82) 4-Chlorotoluene	13.01	91	312743	21.37	ug/l	99
83) tert-Butylbenzene	13.23	119	298107	20.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	364192	21.58	ug/l	100
85) sec-Butylbenzene	13.41	105	431597	20.87	ug/l	100
86) p-Isopropyltoluene	13.53	119	398377	21.12	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	214795	21.59	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	211467	21.37	ug/l	99
89) n-Butylbenzene	13.86	91	355057	20.36	ug/l	99
90) Hexachloroethane	14.12	117	81924	21.09	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	181162	21.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11438	20.52	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

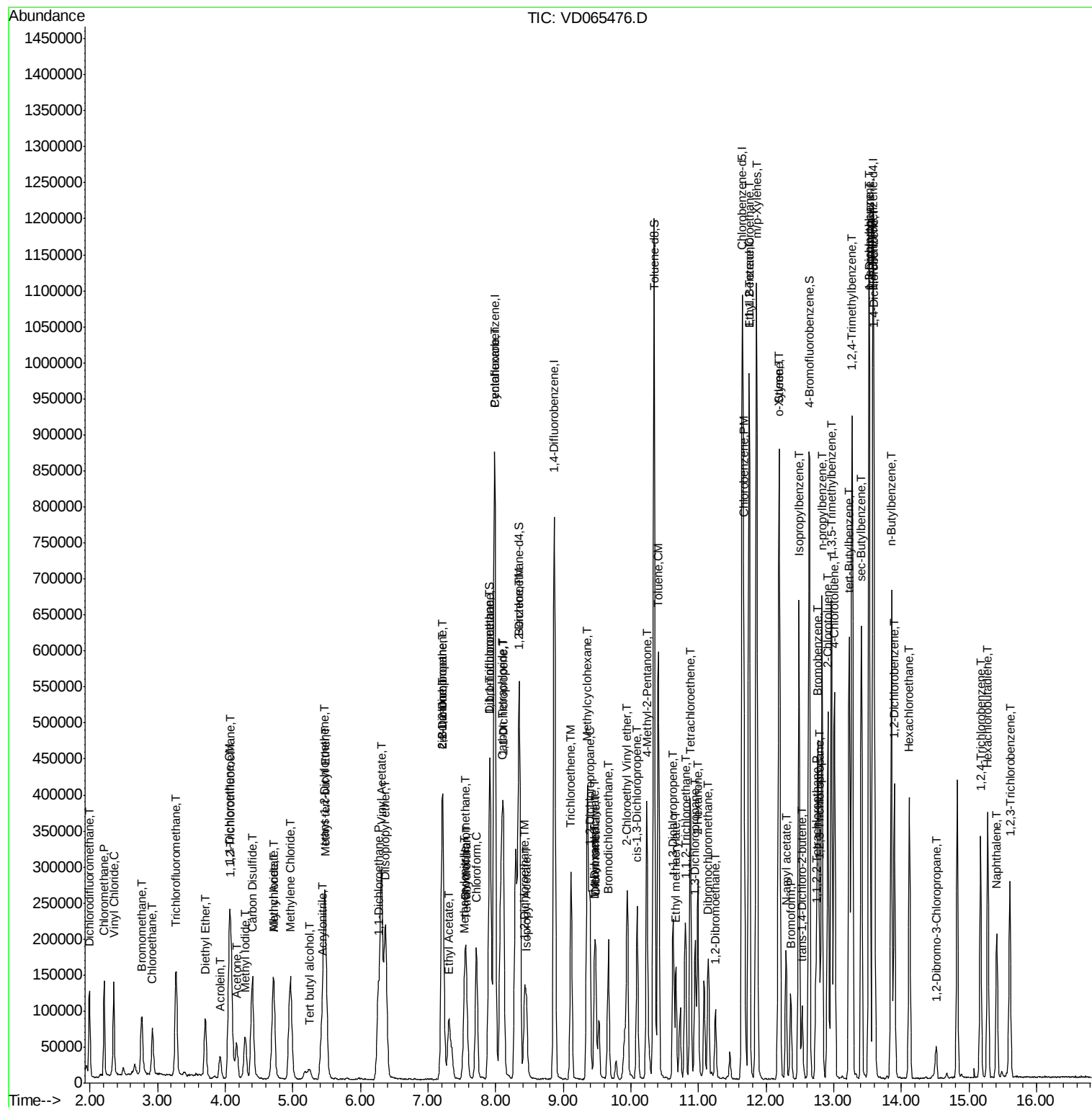
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119722	20.87	ug/l	97
94) Hexachlorobutadiene	15.28	225	79032	20.96	ug/l	99
95) Naphthalene	15.41	128	179021	20.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	102152	20.60	ug/l	99

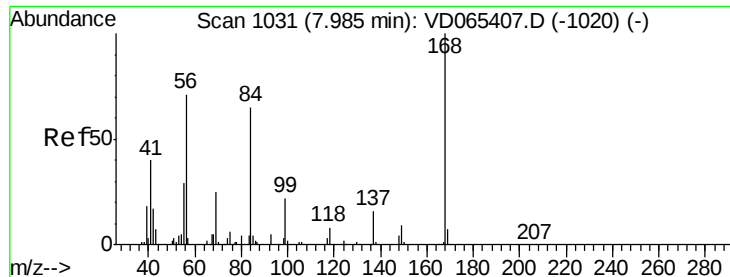
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

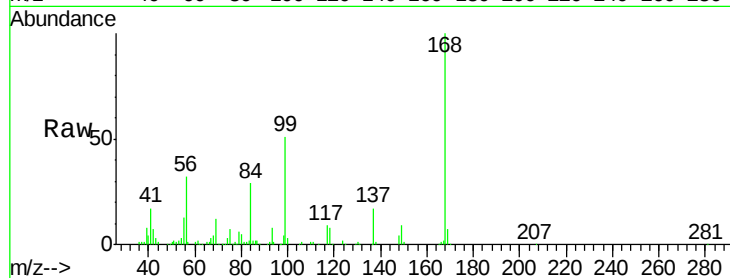
VD0311SBSD01

Tgt Ion:168 Resp: 475889

Ion Ratio Lower Upper

168 100

99 50.6 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

200000

150000

100000

50000

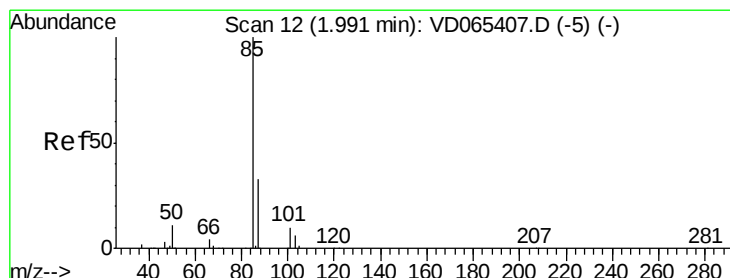
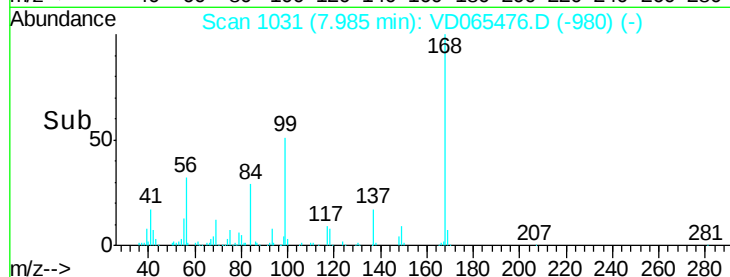
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.74 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065476.D

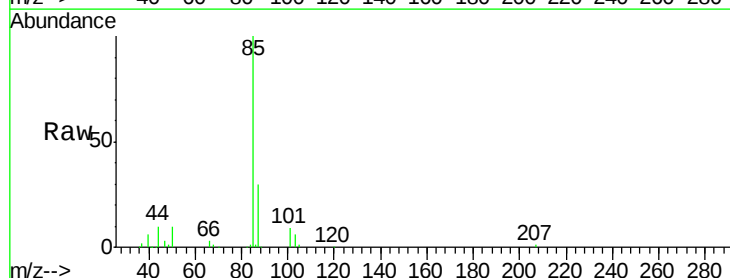
Acq: 11 Mar 2020 12:37

Tgt Ion: 85 Resp: 92985

Ion Ratio Lower Upper

85 100

87 29.6 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

80000

60000

40000

20000

0

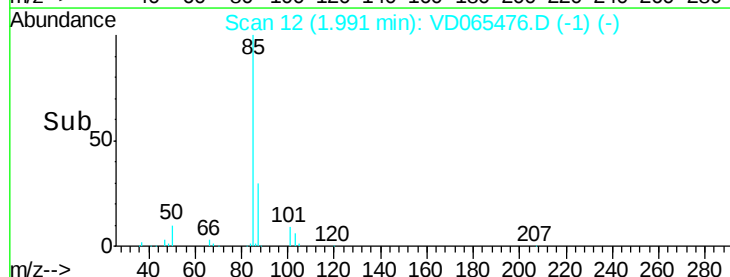
1.90

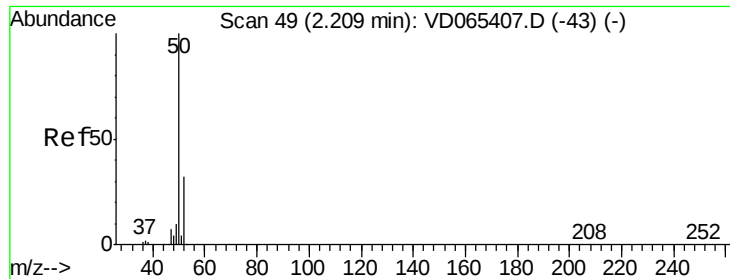
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.34 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

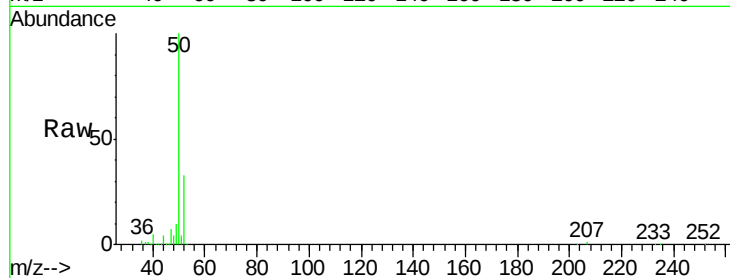
VD0311SBSD01

Tgt Ion: 50 Resp: 105378

Ion Ratio Lower Upper

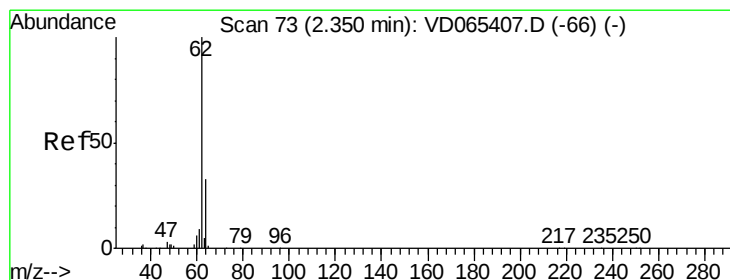
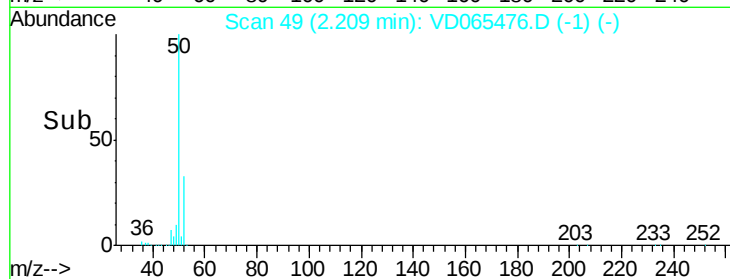
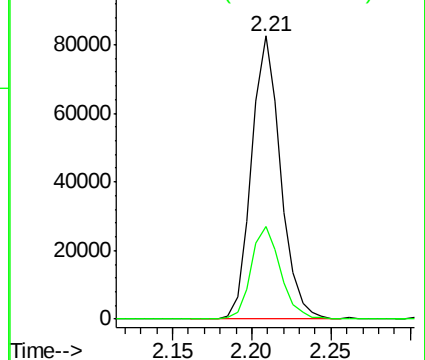
50 100

52 32.6 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: 21.81 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065476.D

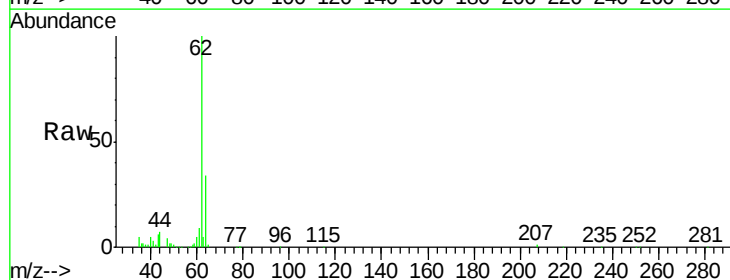
Acq: 11 Mar 2020 12:37

Tgt Ion: 62 Resp: 106215

Ion Ratio Lower Upper

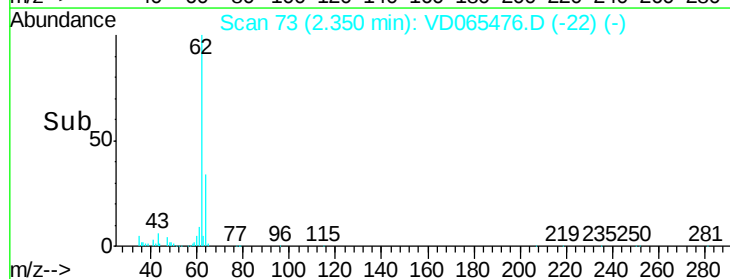
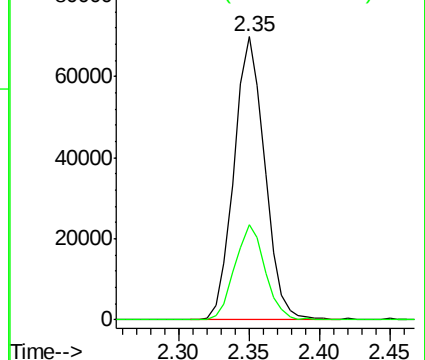
62 100

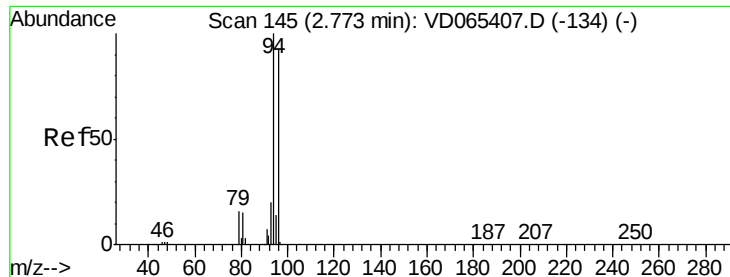
64 33.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.52 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

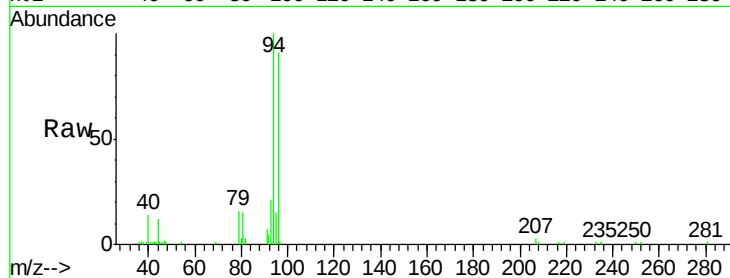
VD0311SBS01

Tgt Ion: 94 Resp: 68633

Ion Ratio Lower Upper

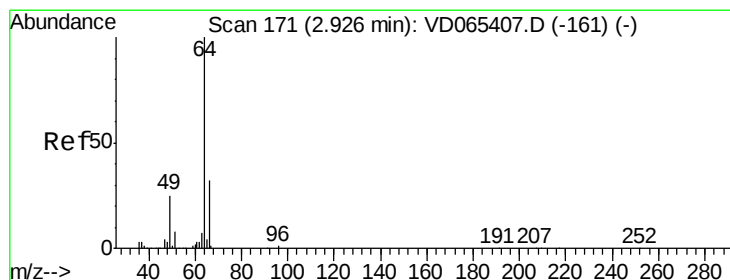
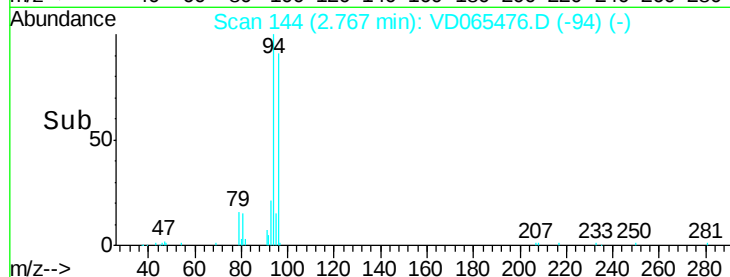
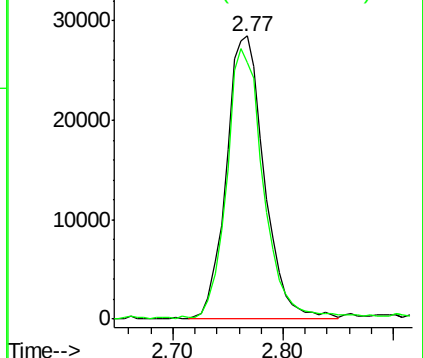
94 100

96 89.9 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: 21.74 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065476.D

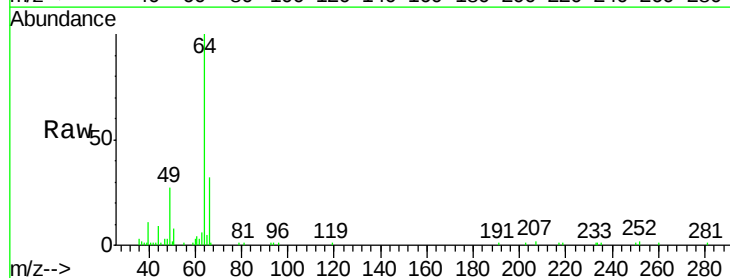
Acq: 11 Mar 2020 12:37

Tgt Ion: 64 Resp: 64858

Ion Ratio Lower Upper

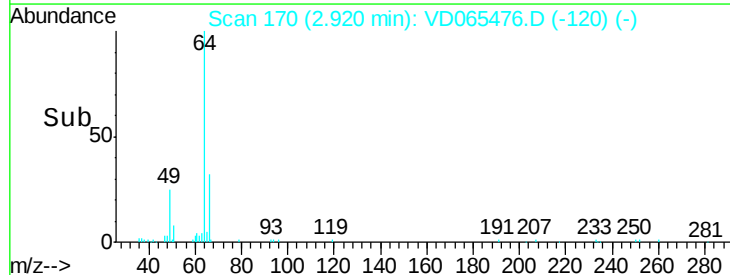
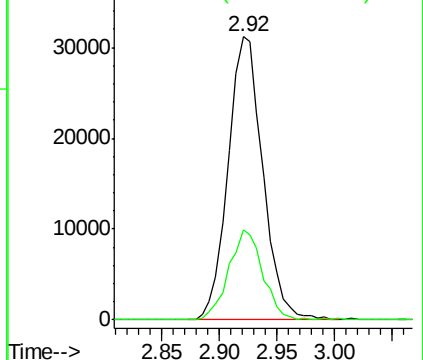
64 100

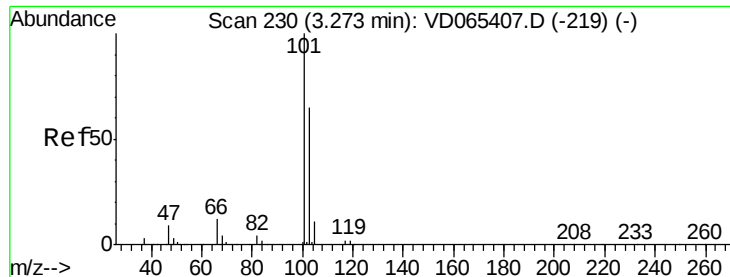
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.37 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

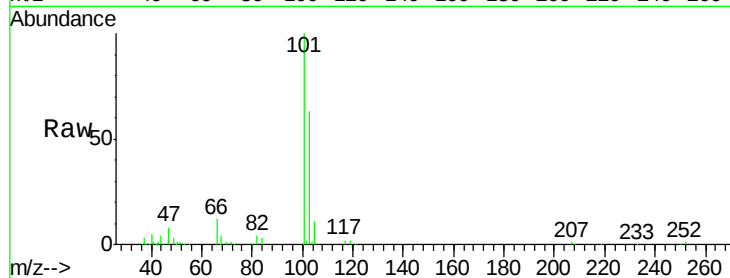
VD0311SBSD01

Tgt Ion:101 Resp: 153331

Ion Ratio Lower Upper

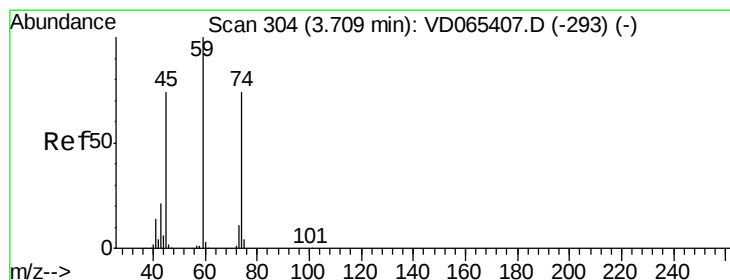
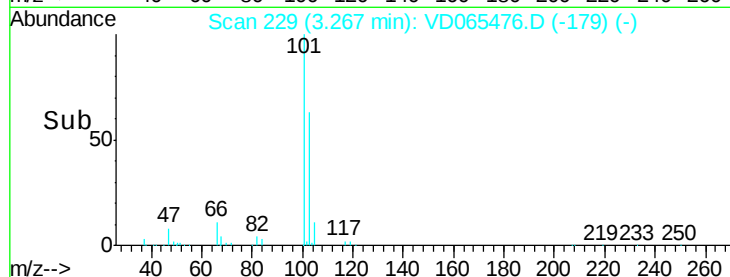
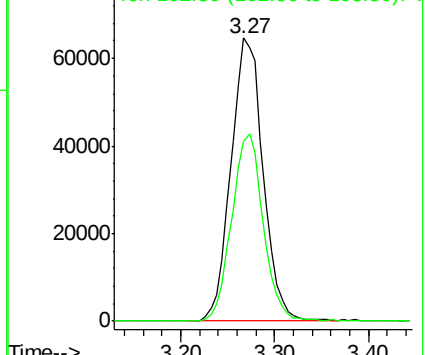
101 100

103 63.3 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: 20.76 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065476.D

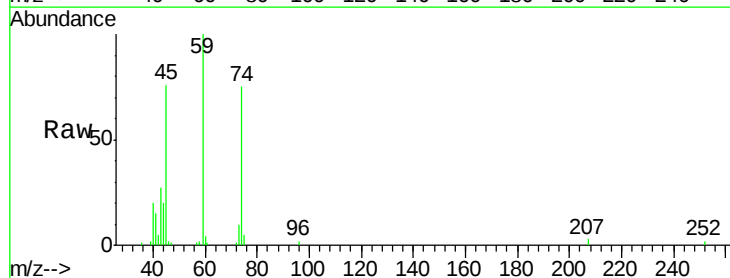
Acq: 11 Mar 2020 12:37

Tgt Ion: 74 Resp: 44305

Ion Ratio Lower Upper

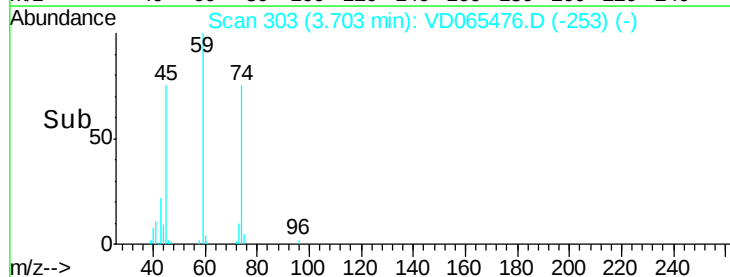
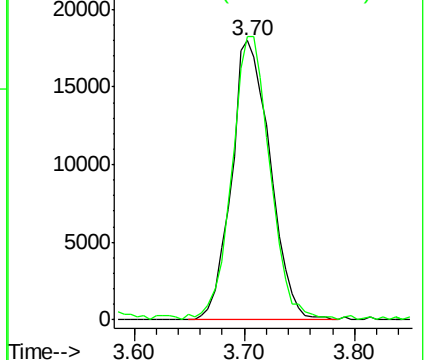
74 100

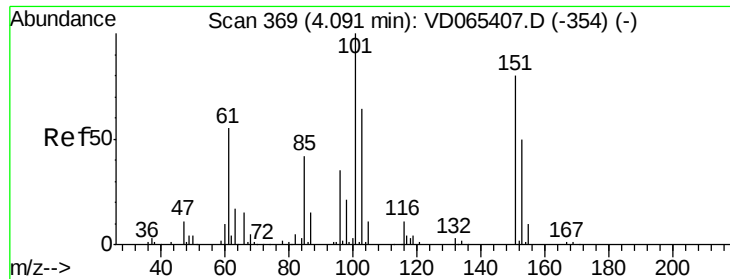
45 99.9 49.5 148.5



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: 21.41 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

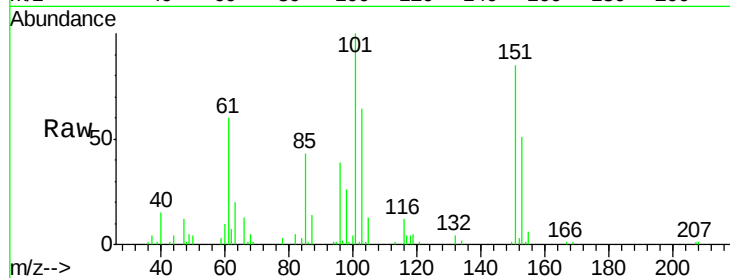
Tgt Ion:101 Resp: 98948

Ion Ratio Lower Upper

101 100

85 40.7 34.2 51.2

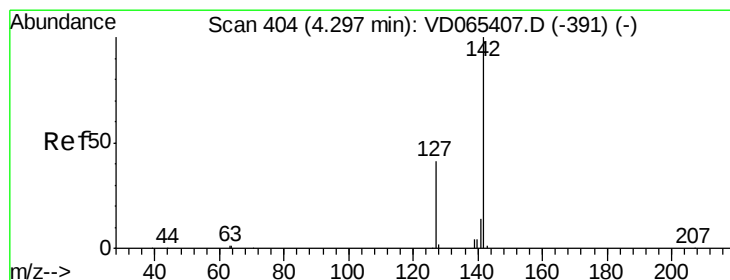
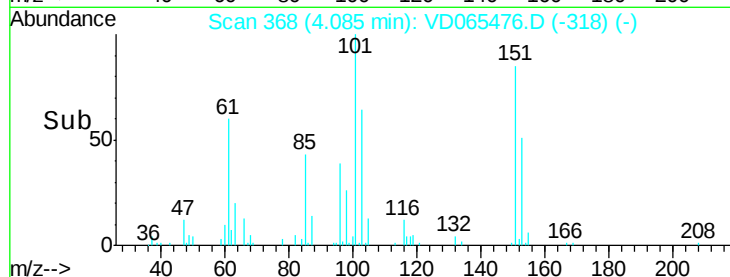
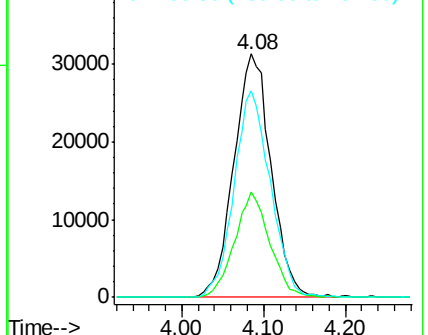
151 83.0 65.1 97.7



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: 20.99 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

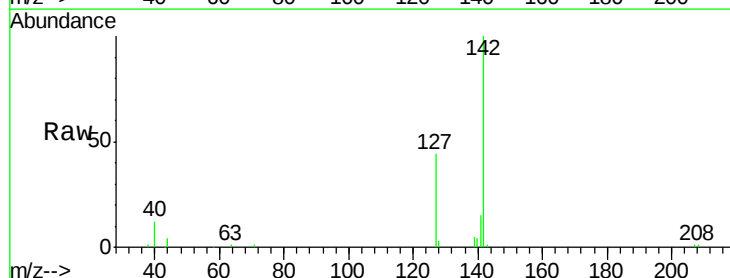
Tgt Ion:142 Resp: 100796

Ion Ratio Lower Upper

142 100

127 43.3 35.0 52.6

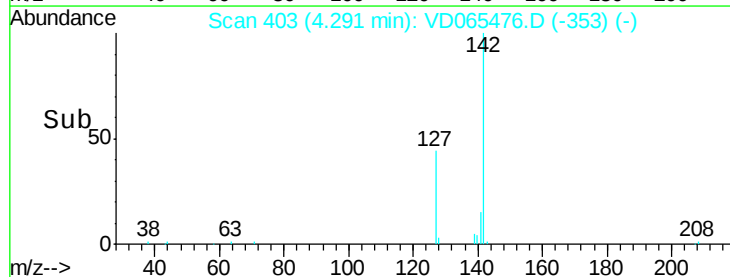
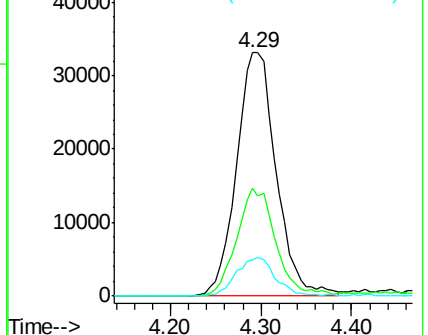
141 15.5 12.4 18.6

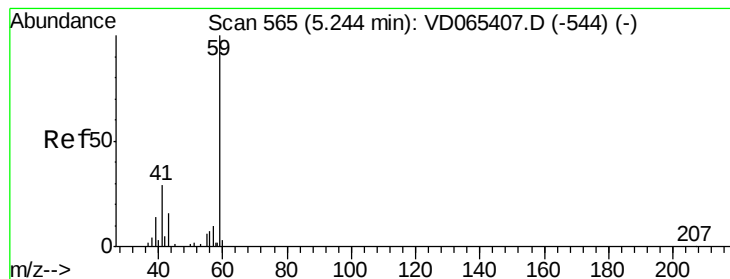


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 102.71 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

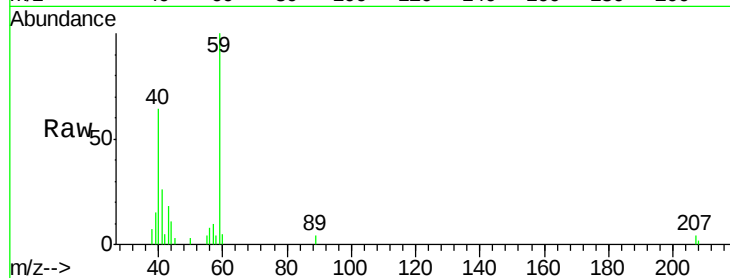
VD0311SBS01

Tgt Ion: 59 Resp: 24049

Ion Ratio Lower Upper

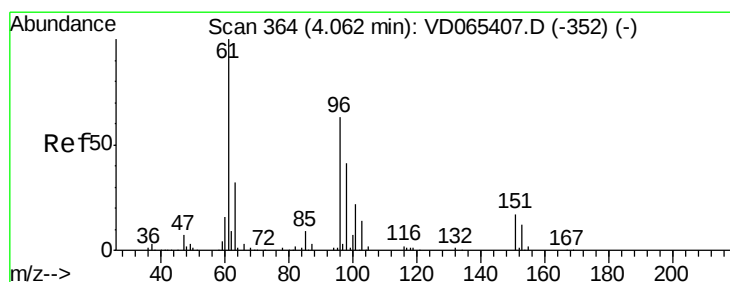
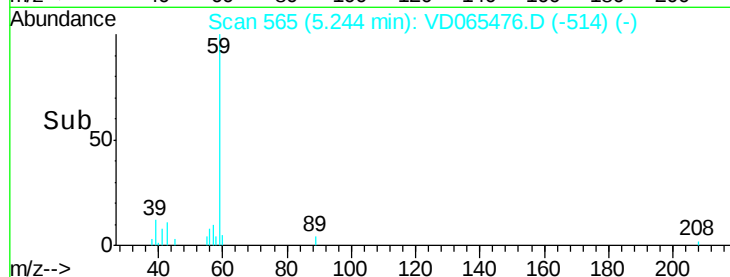
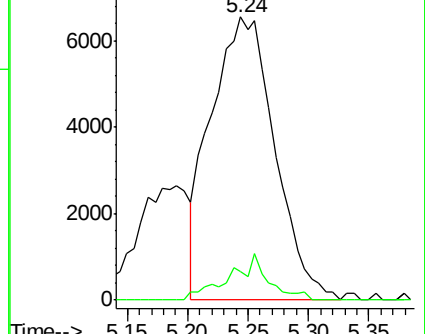
59 100

57 9.9 6.9 10.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.57 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

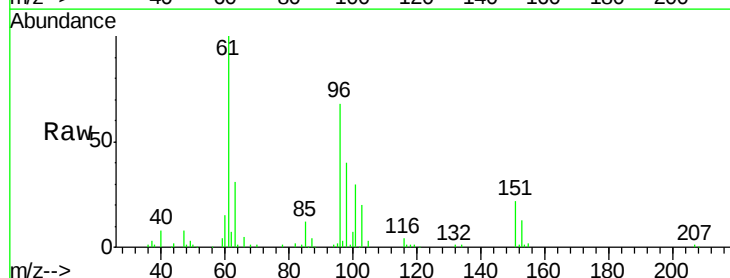
Tgt Ion: 96 Resp: 91039

Ion Ratio Lower Upper

96 100

61 148.1 128.0 192.0

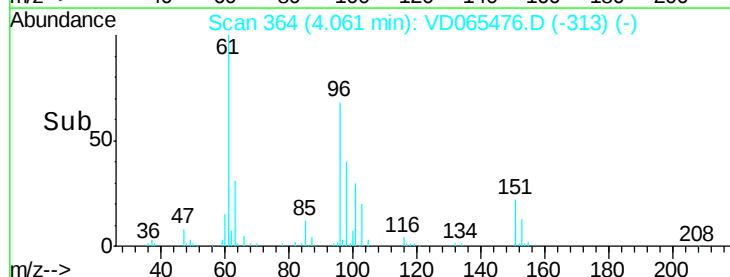
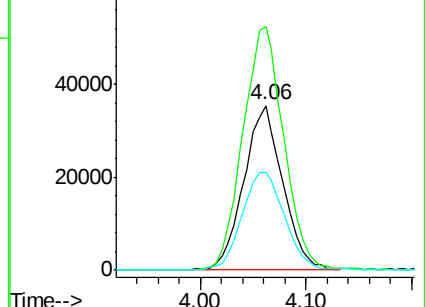
98 59.8 51.9 77.9

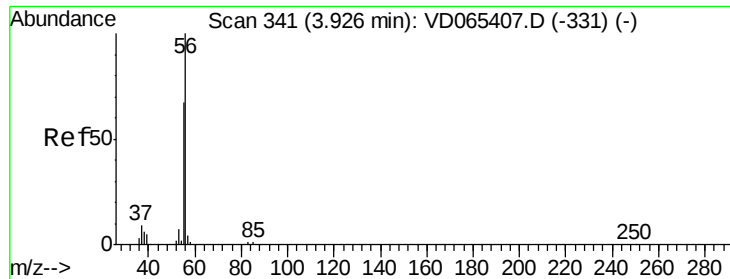


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 90.53 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

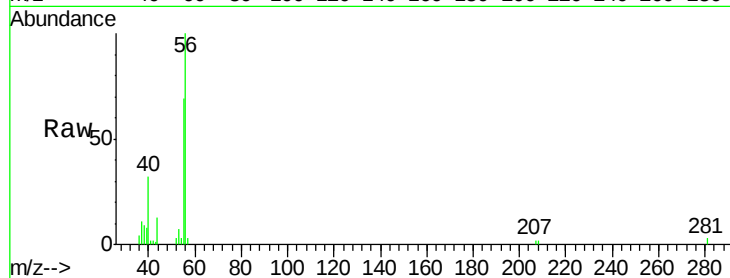
VD0311SBSD01

Tgt Ion: 56 Resp: 36559

Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

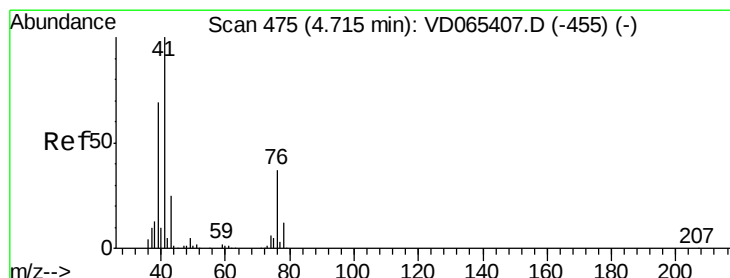
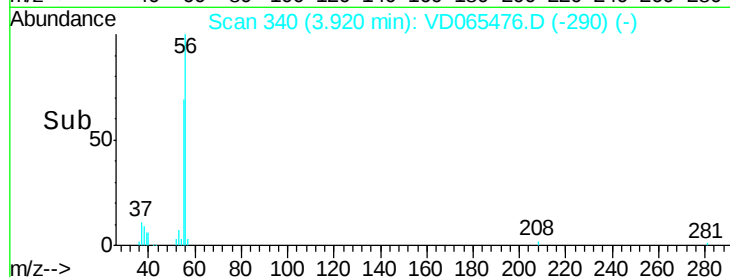
10000

5000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 20.23 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

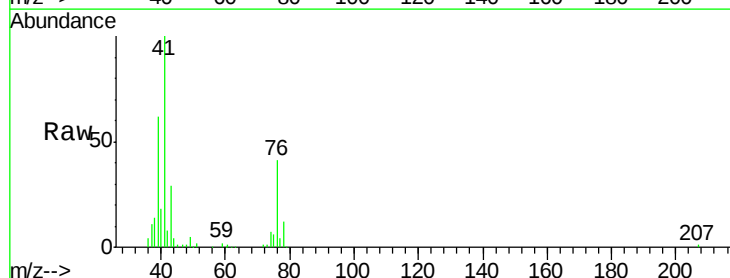
Tgt Ion: 41 Resp: 137517

Ion Ratio Lower Upper

41 100

39 64.3 52.6 79.0

76 37.3 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

60000

50000

40000

30000

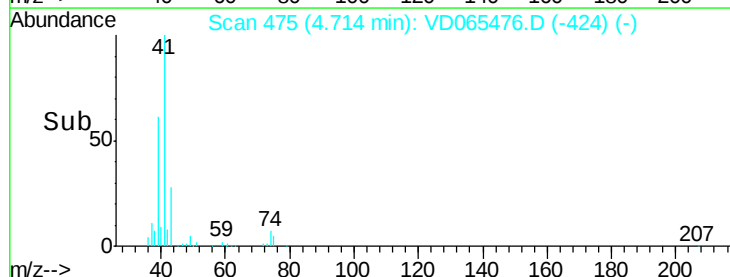
20000

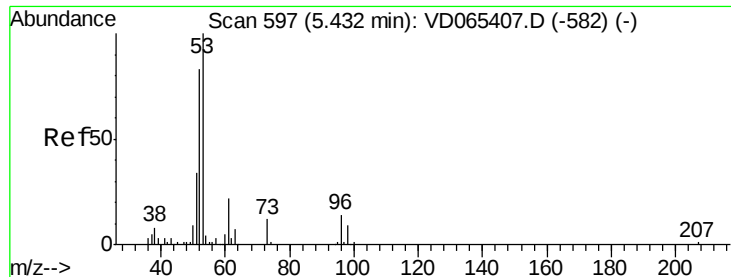
10000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 103.81 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

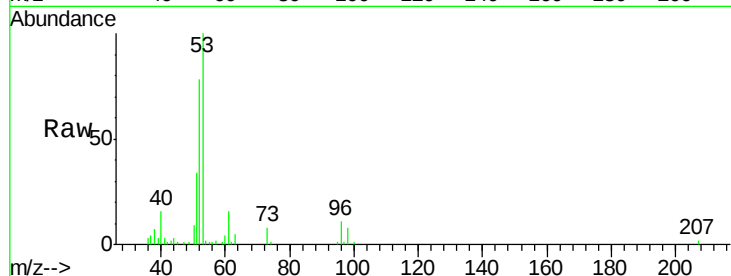
Tgt Ion: 53 Resp: 96385

Ion Ratio Lower Upper

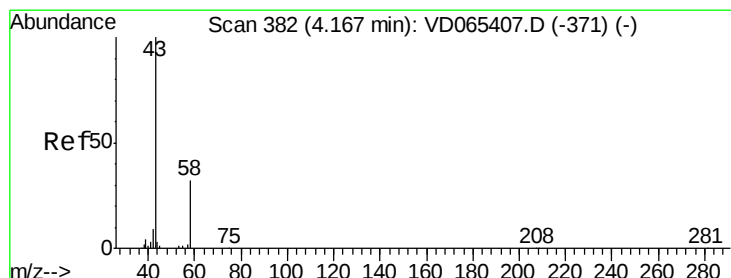
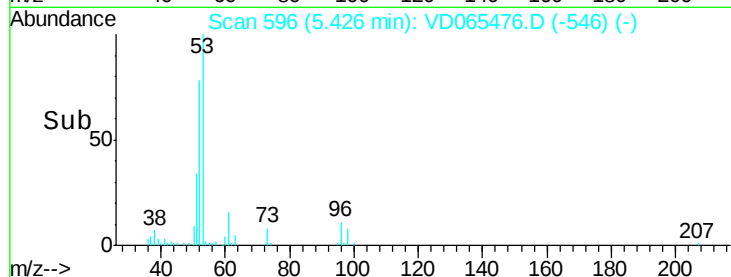
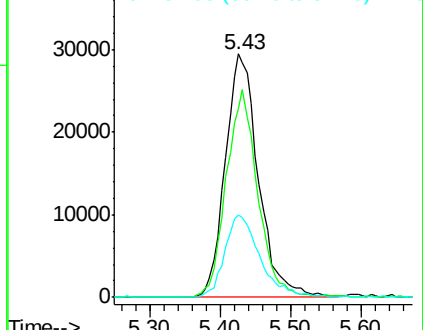
53 100

52 80.7 65.1 97.7

51 35.8 28.5 42.7



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



#16

Acetone

Concen: 99.41 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065476.D

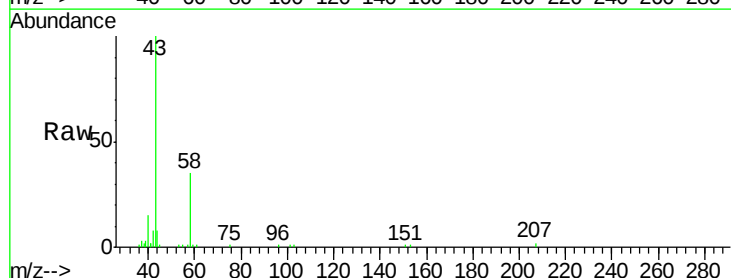
Acq: 11 Mar 2020 12:37

Tgt Ion: 43 Resp: 82071

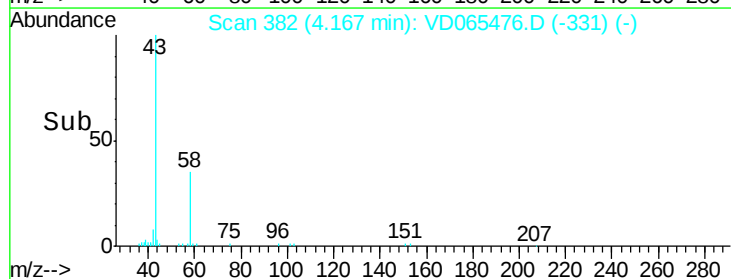
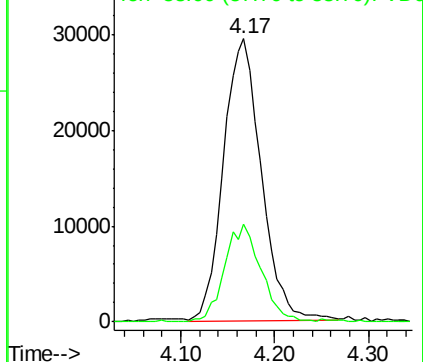
Ion Ratio Lower Upper

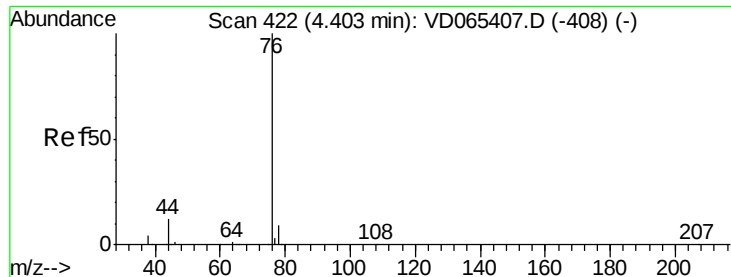
43 100

58 34.9 25.1 37.7



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





#17

Carbon Disulfide

Concen: 20.76 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

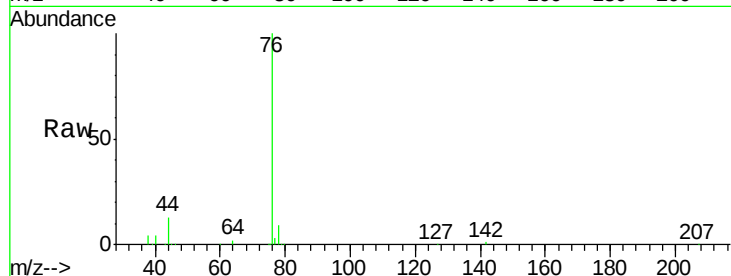
VD0311SBS01

Tgt Ion: 76 Resp: 305969

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

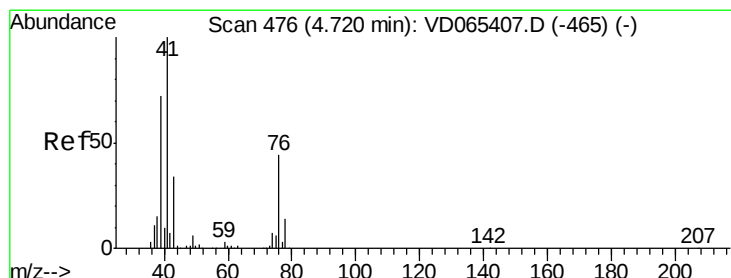
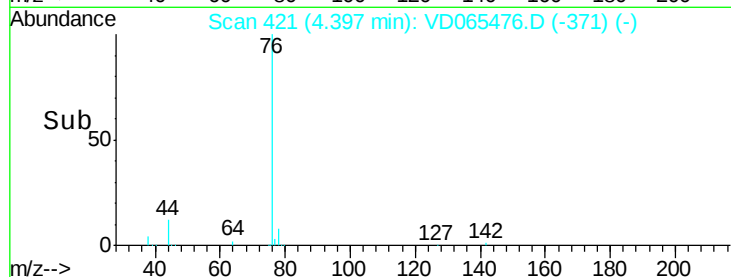
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.80 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065476.D

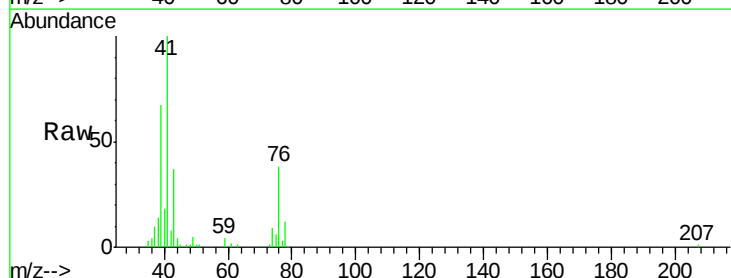
Acq: 11 Mar 2020 12:37

Tgt Ion: 43 Resp: 45654

Ion Ratio Lower Upper

43 100

74 25.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

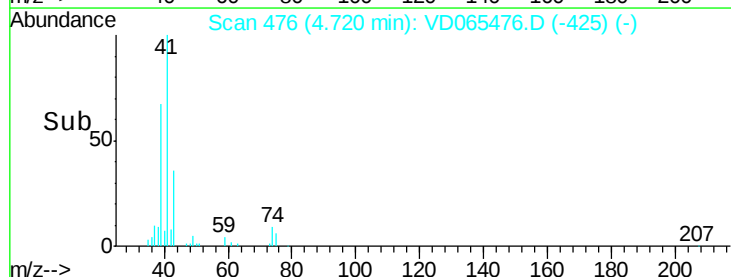
15000

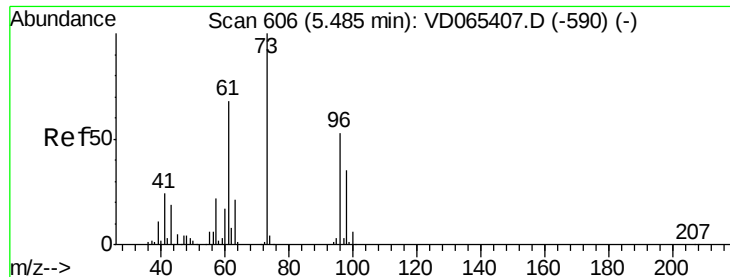
10000

5000

0

Time-->

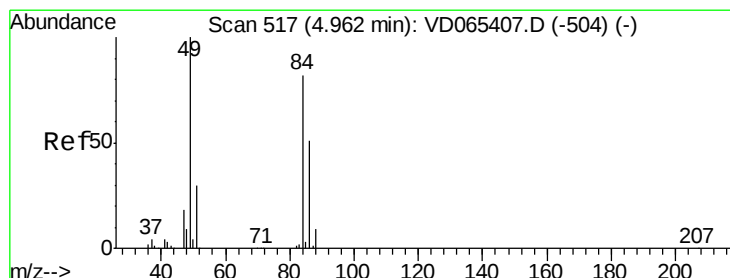
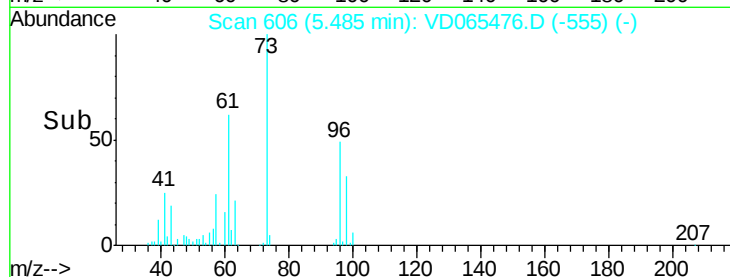
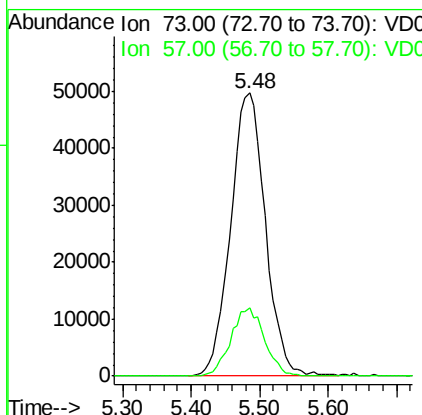
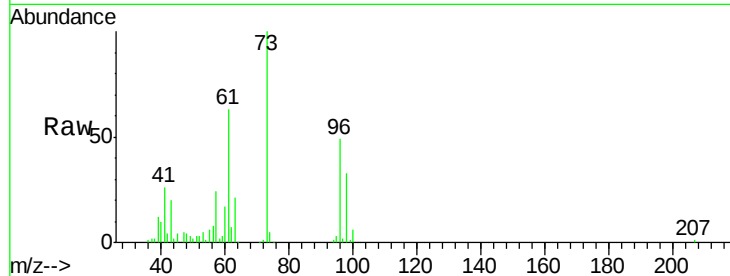




#19
Methyl tert-butyl Ether
Concen: 20.58 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

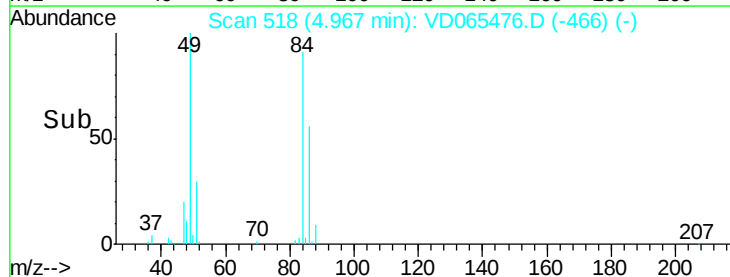
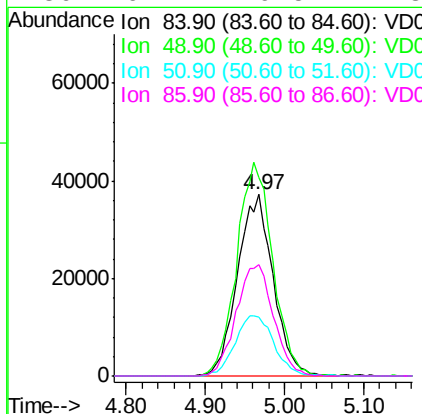
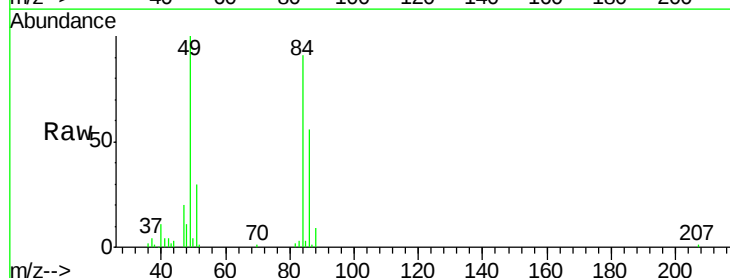
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

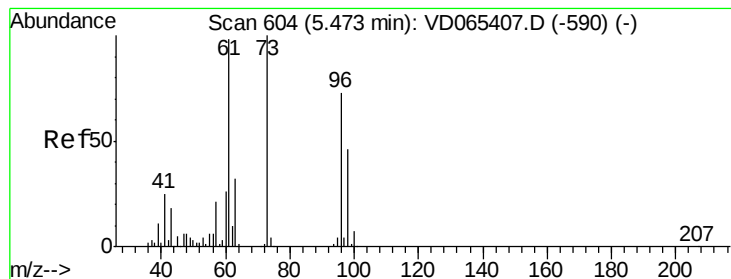
Tgt Ion: 73 Resp: 175172
Ion Ratio Lower Upper
73 100
57 23.9 17.3 25.9



#20
Methylene Chloride
Concen: 24.13 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 84 Resp: 116194
Ion Ratio Lower Upper
84 100
49 109.4 97.7 146.5
51 32.7 28.8 43.2
86 61.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.98 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

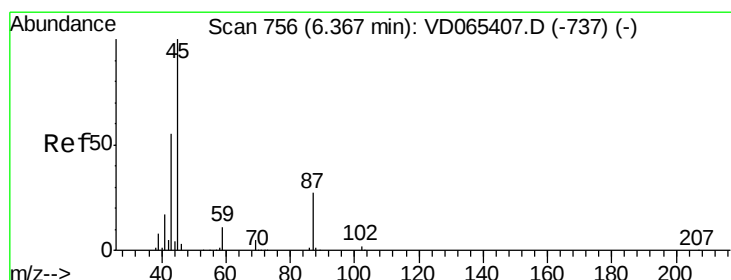
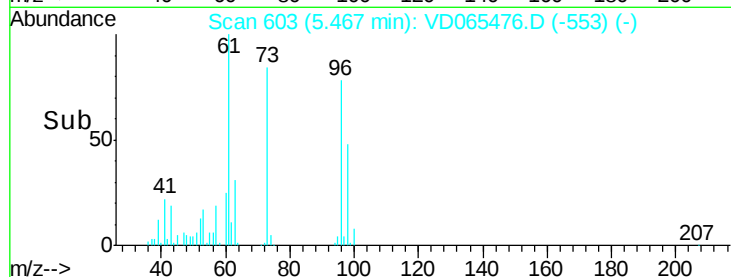
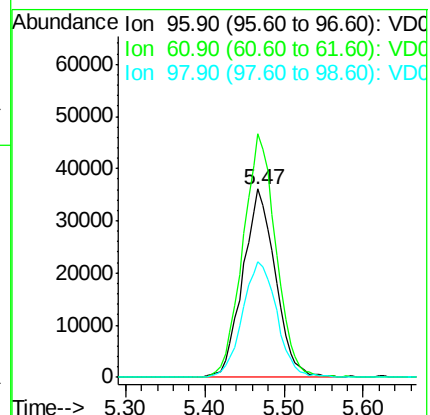
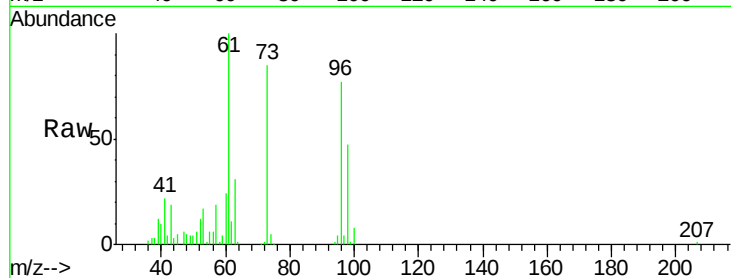
Tgt Ion: 96 Resp: 103312

Ion Ratio Lower Upper

96 100

61 129.3 106.3 159.5

98 61.4 50.2 75.4



#22

Diisopropyl ether

Concen: 21.87 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion: 45 Resp: 276356

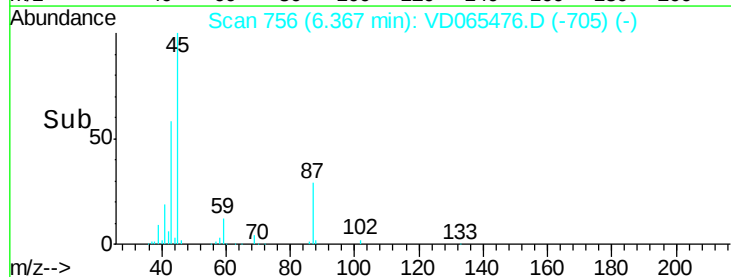
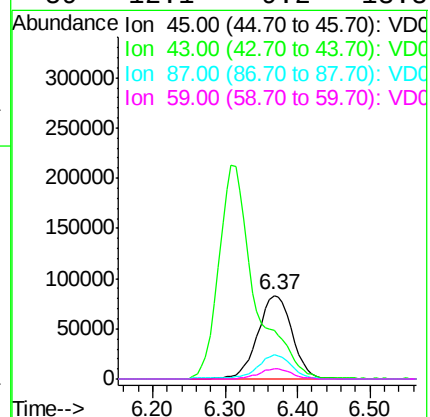
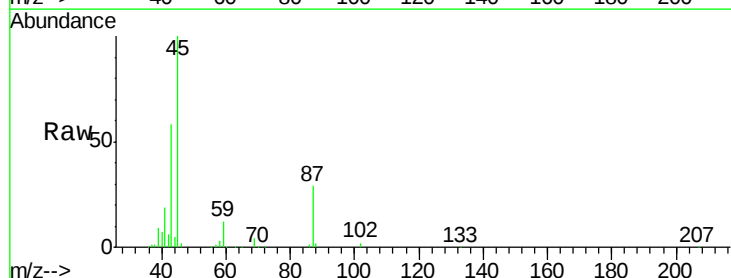
Ion Ratio Lower Upper

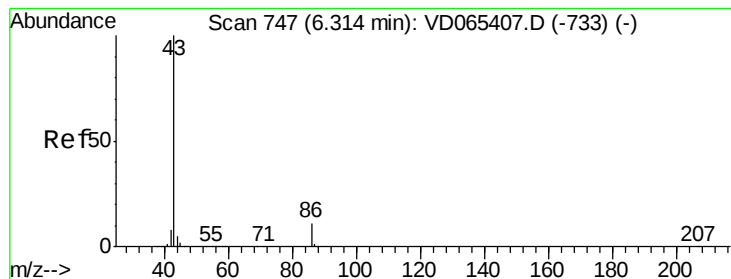
45 100

43 57.1 44.4 66.6

87 28.5 21.9 32.9

59 12.1 9.2 13.8





#23

Vinyl Acetate

Concen: 103.54 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

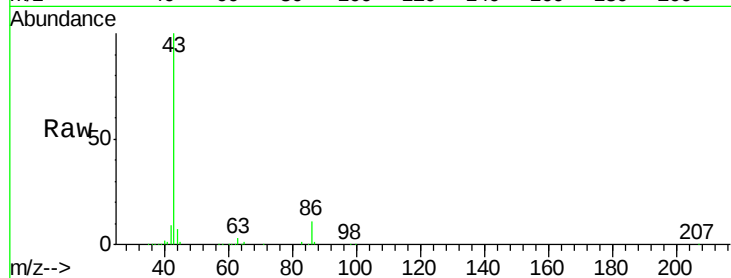
VD0311SBSD01

Tgt Ion: 43 Resp: 726589

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

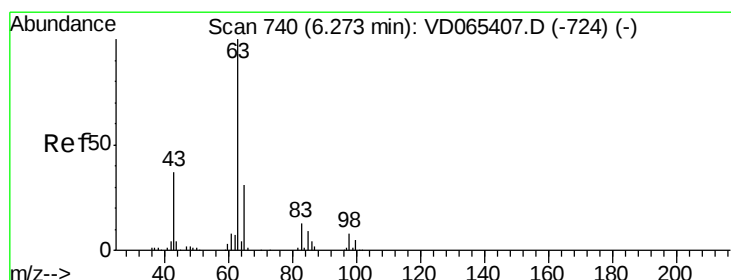
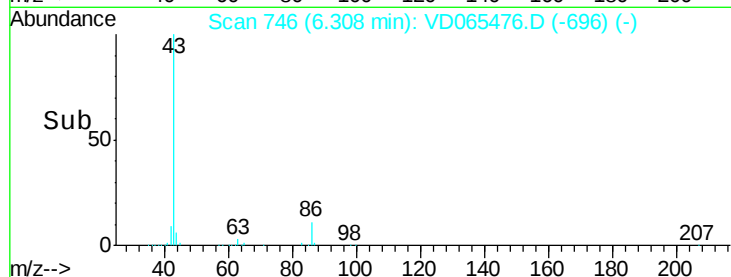
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.33 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

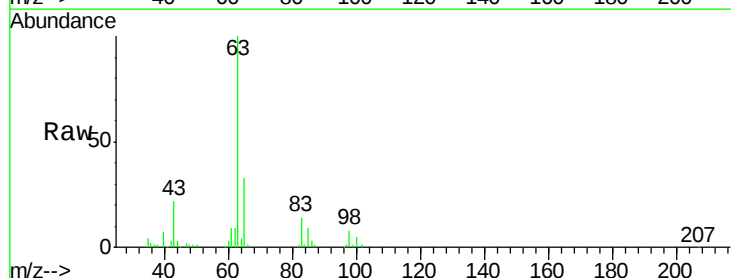
Tgt Ion: 63 Resp: 172911

Ion Ratio Lower Upper

63 100

98 7.6 4.2 12.6

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

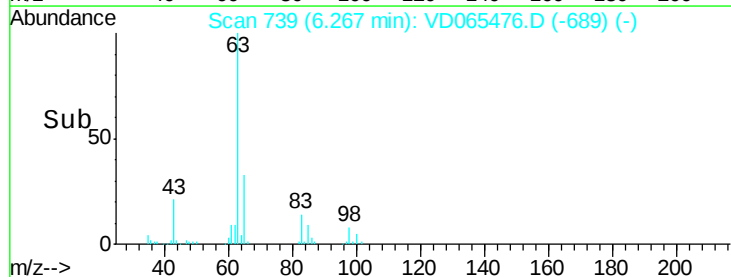
60000

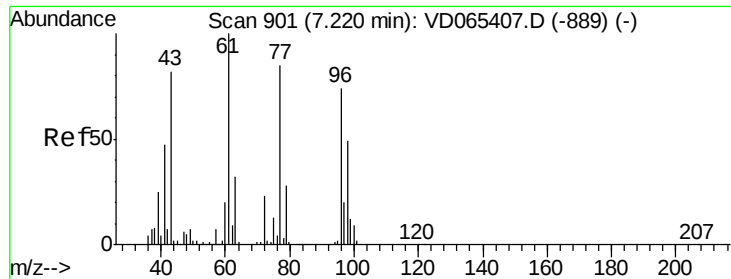
40000

20000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 102.61 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

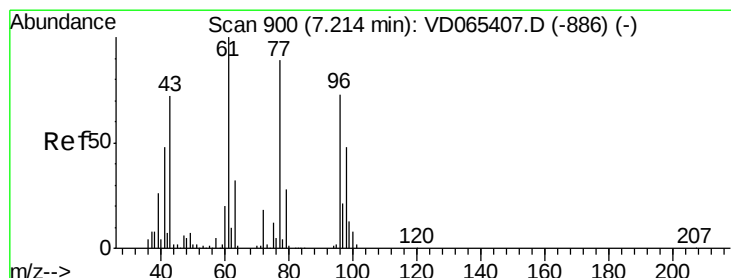
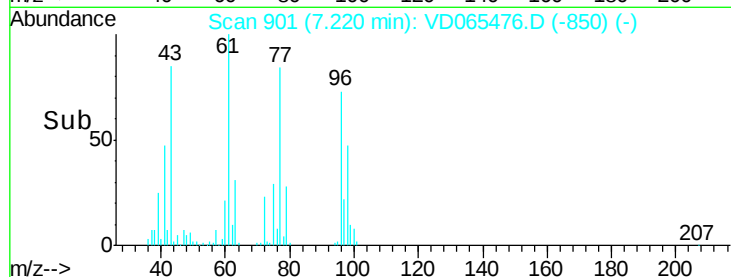
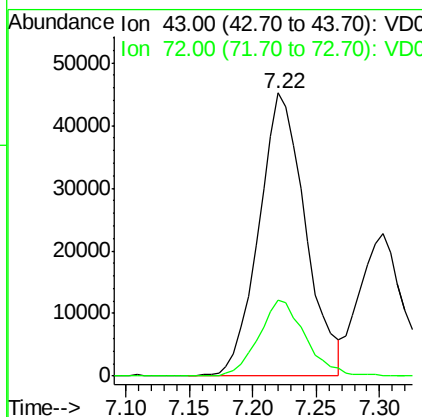
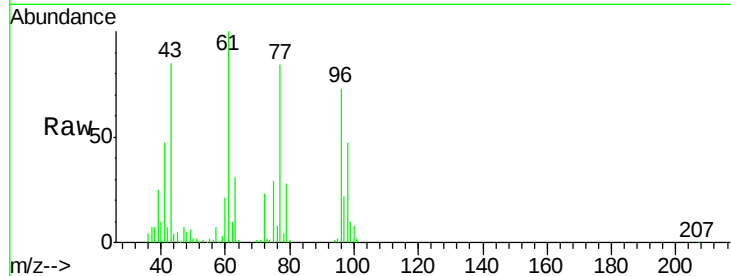
VD0311SBSD01

Tgt Ion: 43 Resp: 115603

Ion Ratio Lower Upper

43 100

72 27.0 22.3 33.5



#26

2,2-Dichloropropane

Concen: 20.89 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065476.D

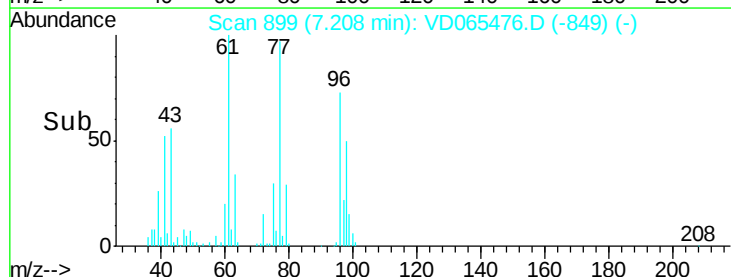
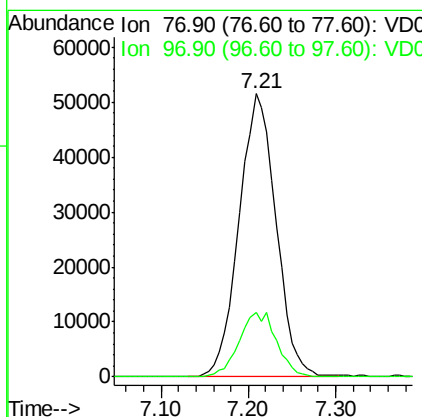
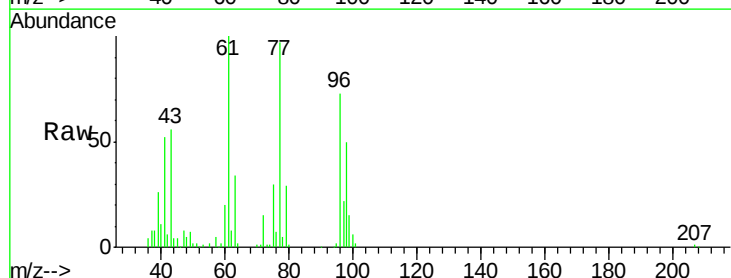
Acq: 11 Mar 2020 12:37

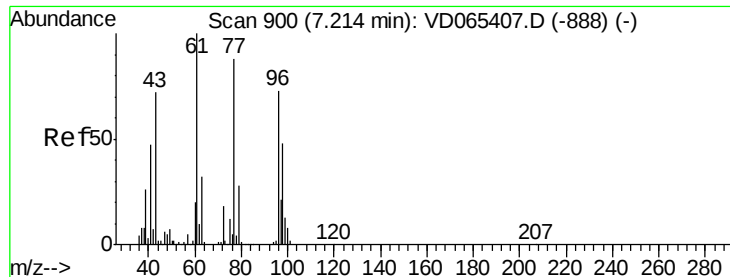
Tgt Ion: 77 Resp: 147994

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.95 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

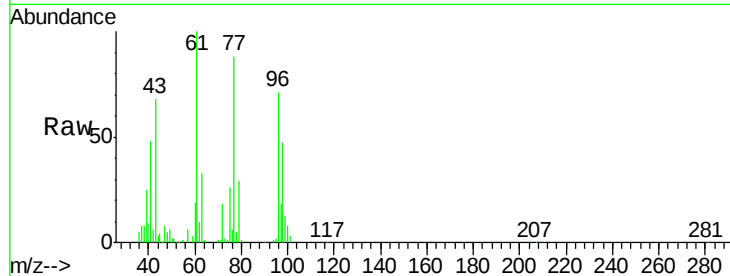
Tgt Ion: 96 Resp: 105442

Ion Ratio Lower Upper

96 100

61 141.6 0.0 280.4

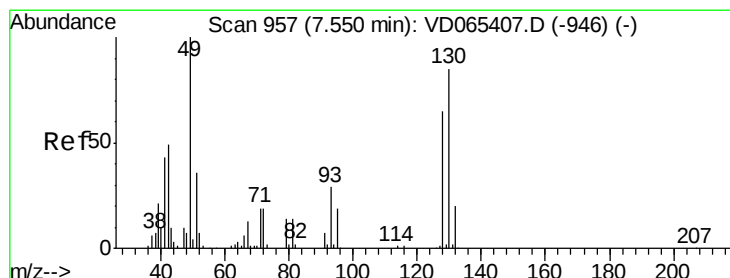
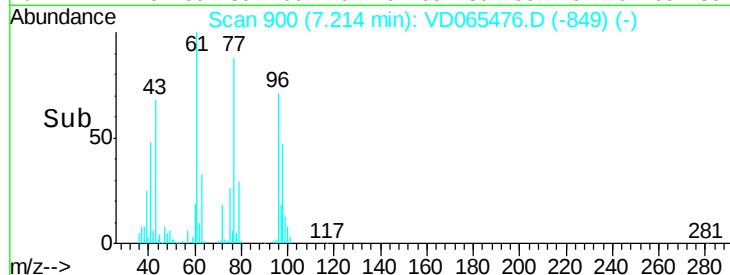
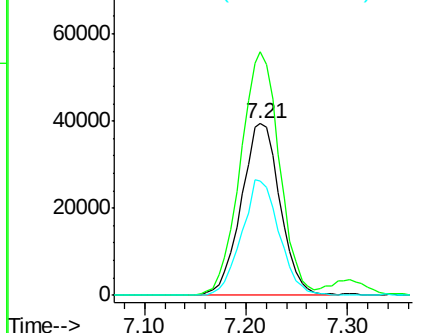
98 64.8 0.0 132.6



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: 20.94 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

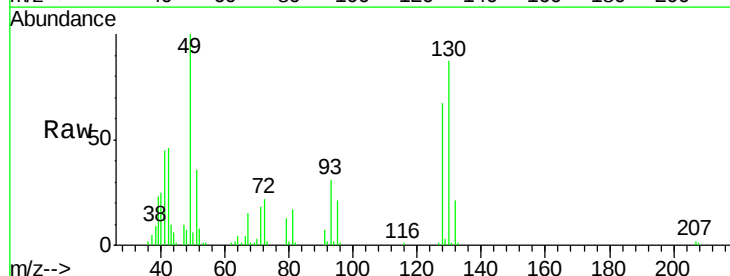
Tgt Ion: 49 Resp: 67920

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

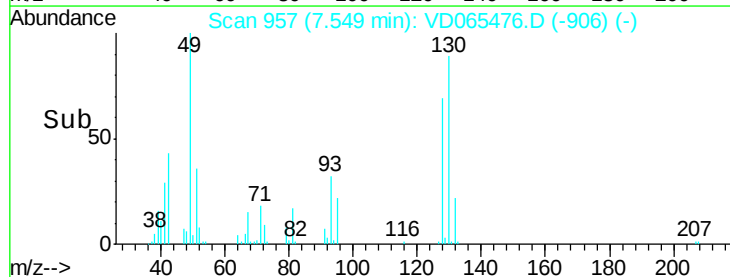
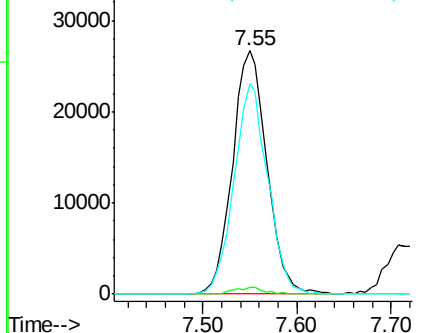
130 84.6 66.6 100.0

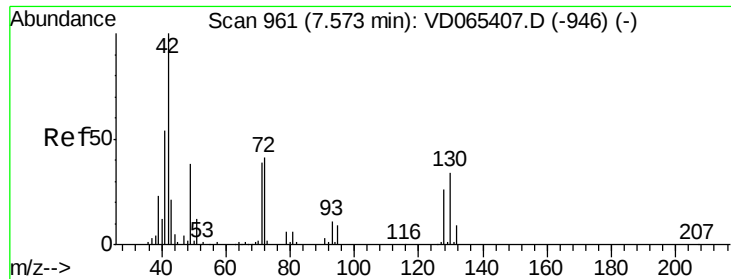


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

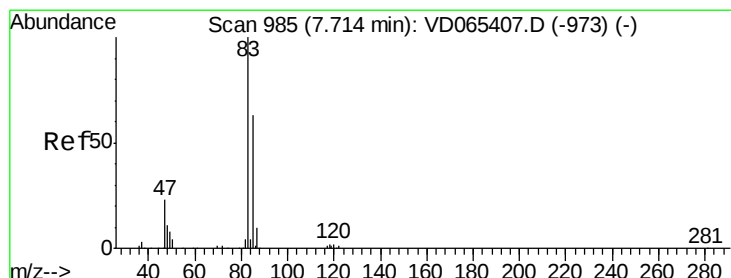
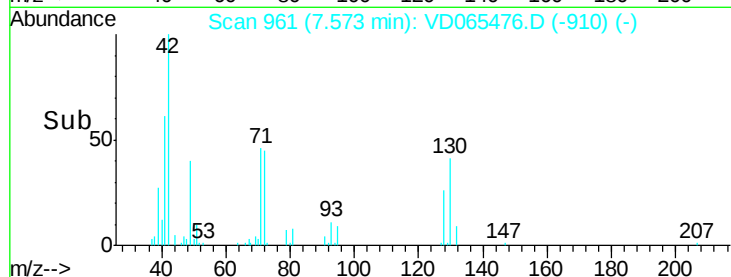
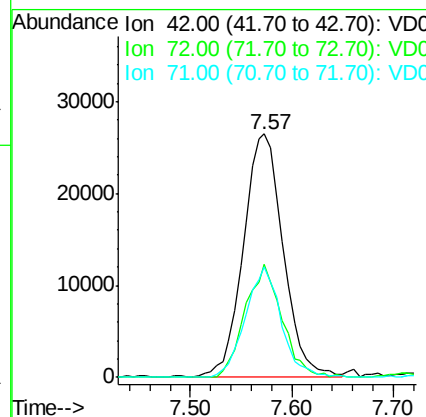
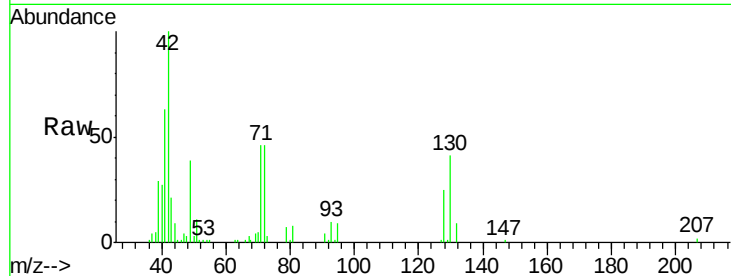




#29
Tetrahydrofuran
Concen: 100.71 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

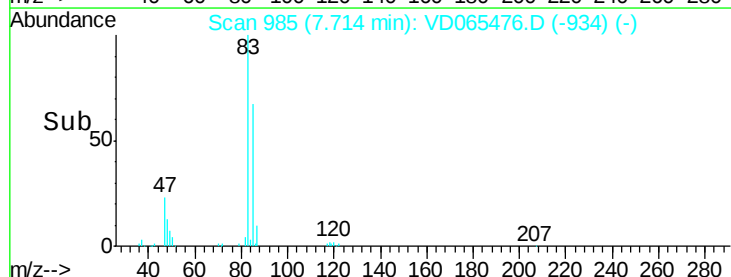
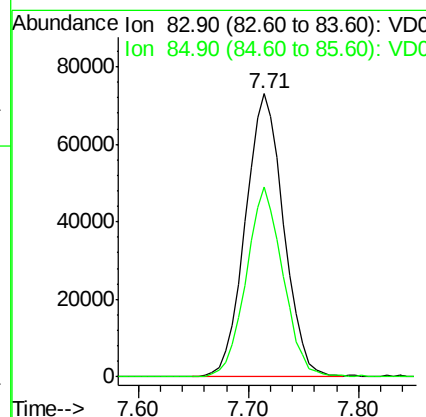
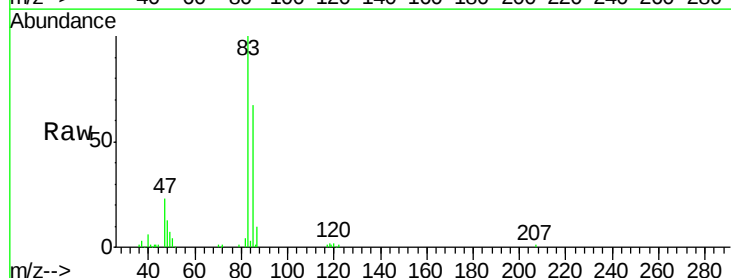
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

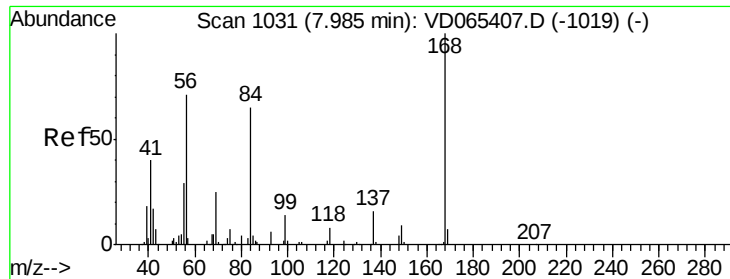
Tgt Ion: 42 Resp: 72459
Ion Ratio Lower Upper
42 100
72 42.6 33.0 49.6
71 40.8 32.0 48.0



#30
Chloroform
Concen: 21.98 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 83 Resp: 178069
Ion Ratio Lower Upper
83 100
85 66.9 50.3 75.5

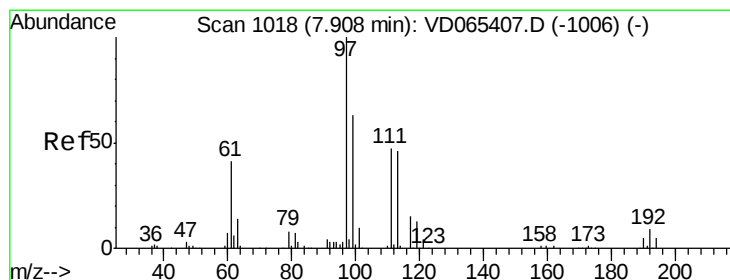
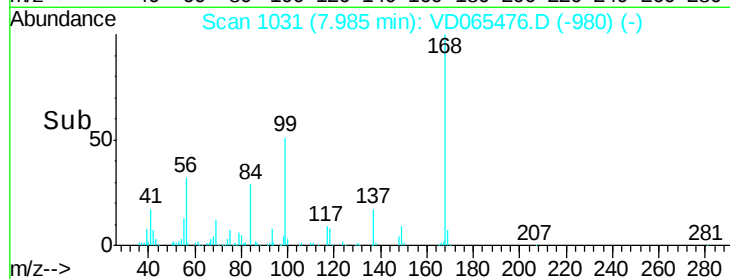
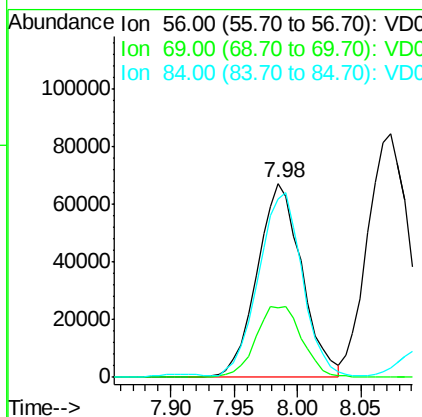
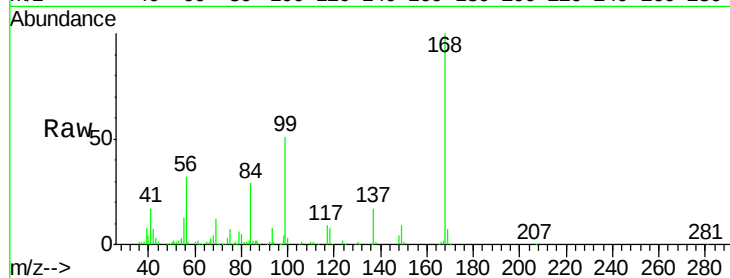




#31
Cyclohexane
Concen: 20.38 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

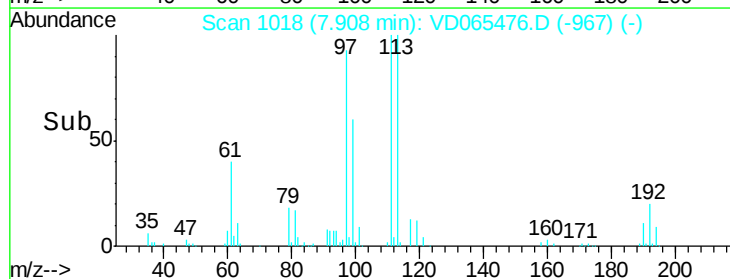
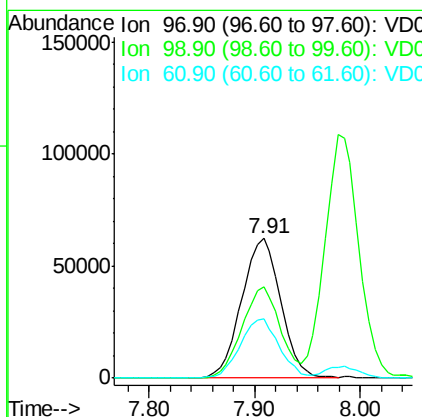
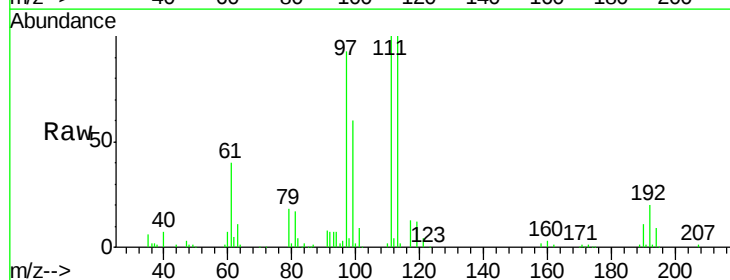
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

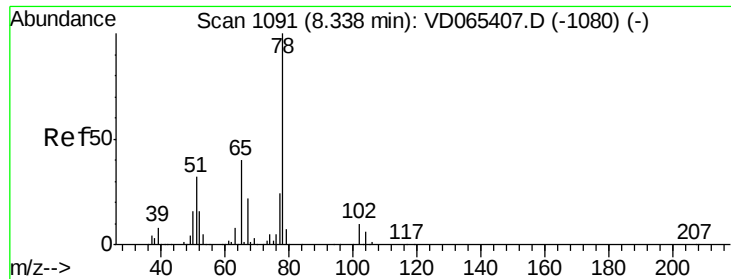
Tgt Ion: 56 Resp: 165187
Ion Ratio Lower Upper
56 100
69 35.9 28.3 42.5
84 90.4 73.1 109.7



#32
1,1,1-Trichloroethane
Concen: 21.48 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 97 Resp: 160804
Ion Ratio Lower Upper
97 100
99 64.3 50.9 76.3
61 42.6 33.2 49.8

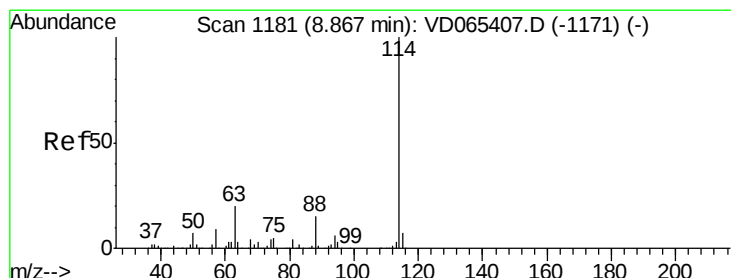
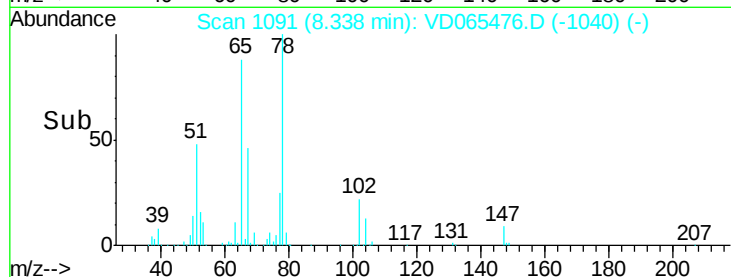
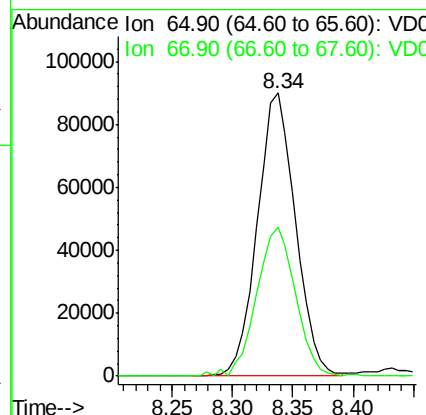
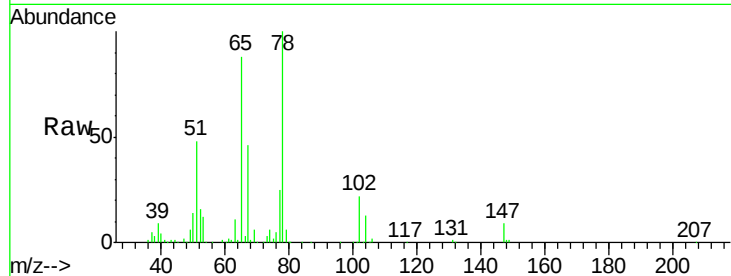




#33
 1,2-Dichloroethane-d4
 Concen: 48.34 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

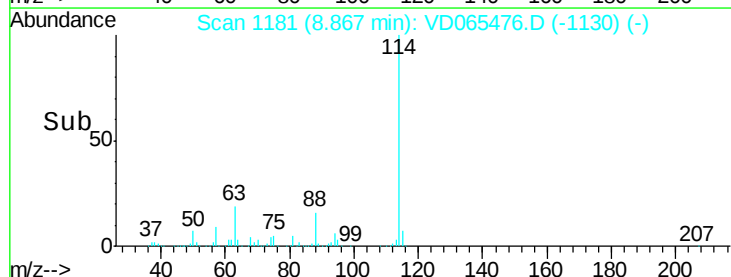
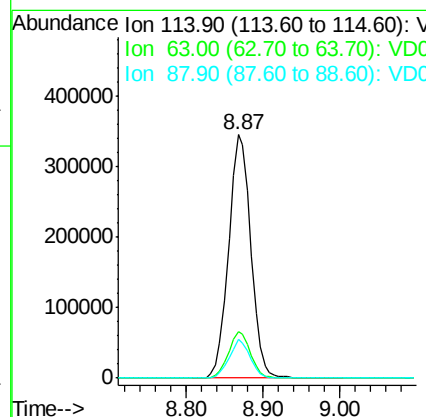
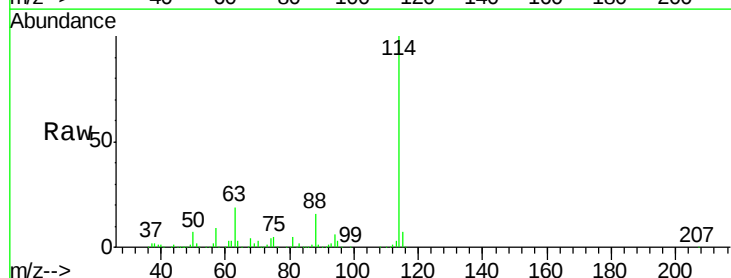
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tgt Ion: 65 Resp: 197340
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 114 Resp: 694565
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 15.7 0.0 30.4

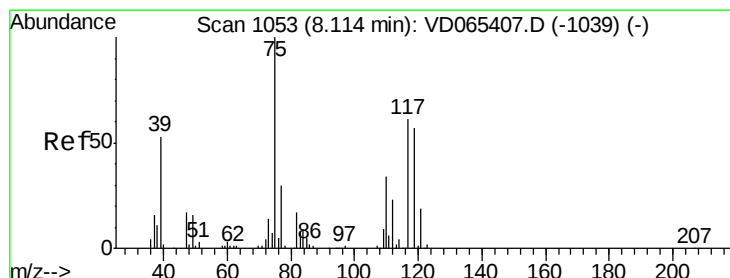
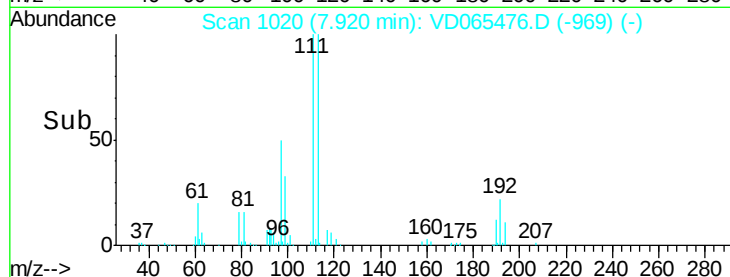
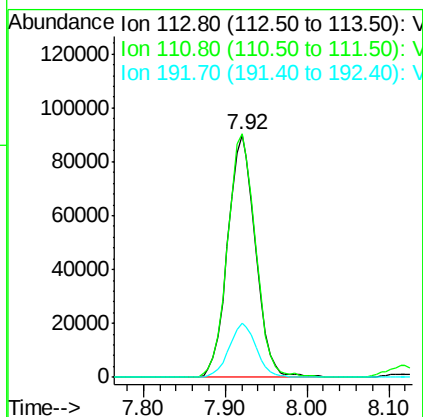
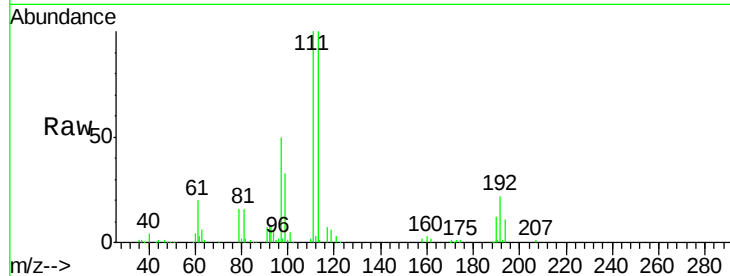




#35
Dibromofluoromethane
Concen: 49.44 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

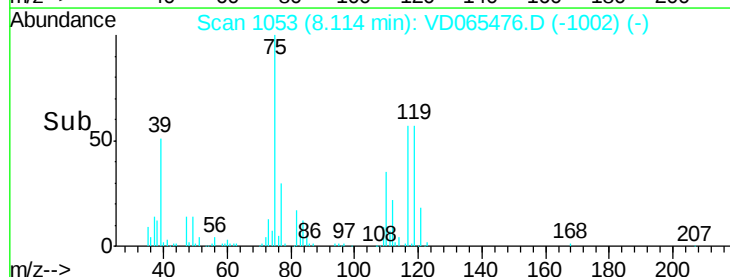
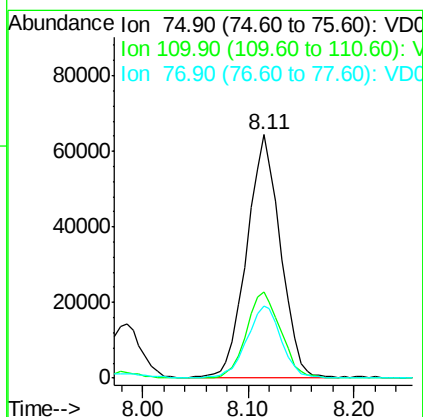
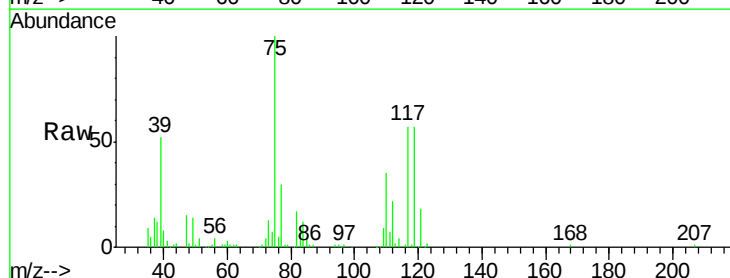
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

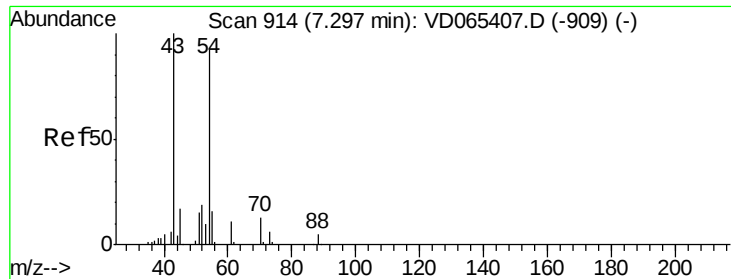
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	21.7	17.2	25.8



#36
1,1-Dichloropropene
Concen: 21.52 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.1
77	30.5	25.2	37.8

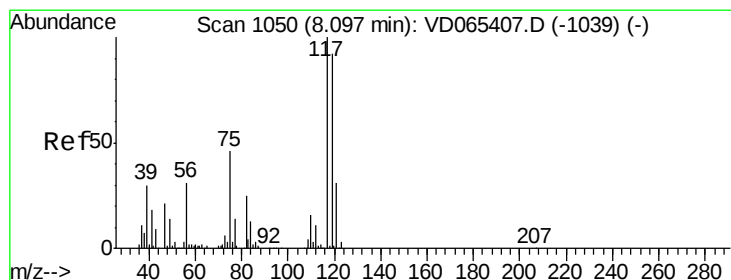
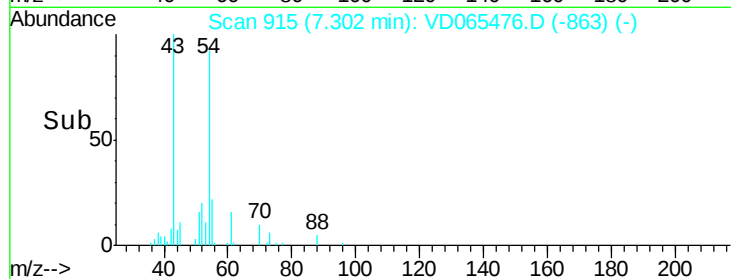
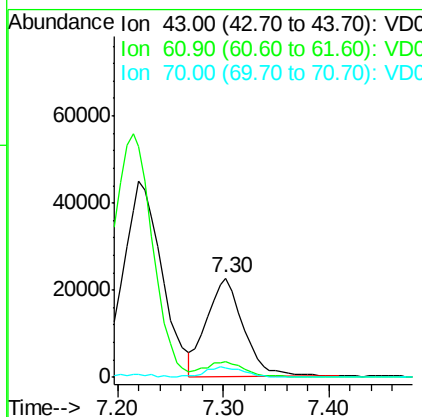
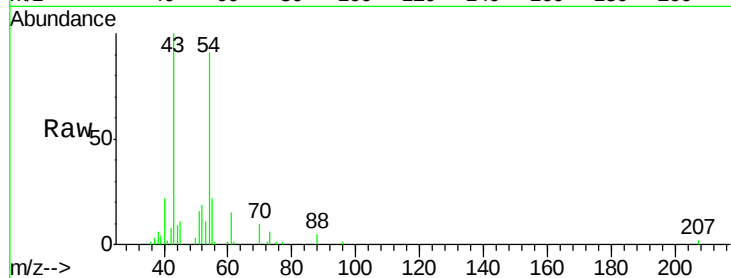




#37
 Ethyl Acetate
 Concen: 21.37 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

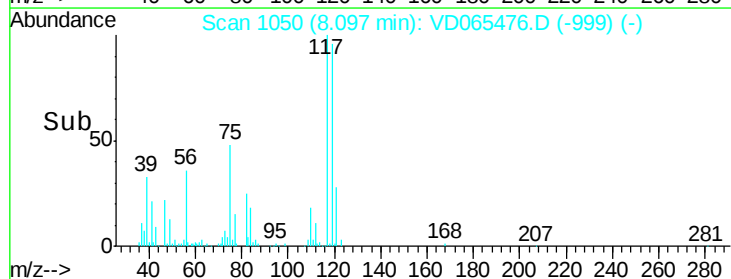
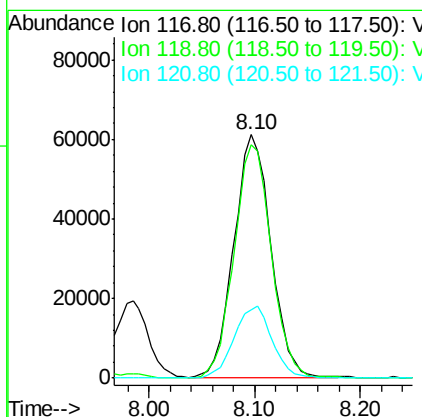
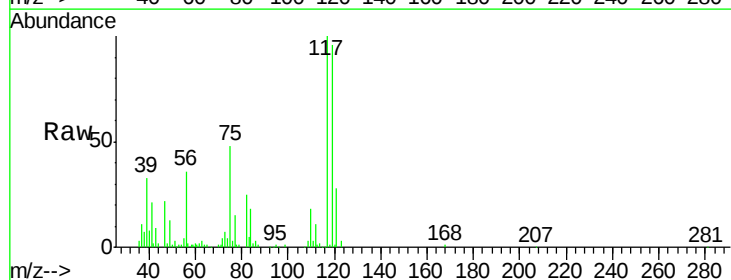
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

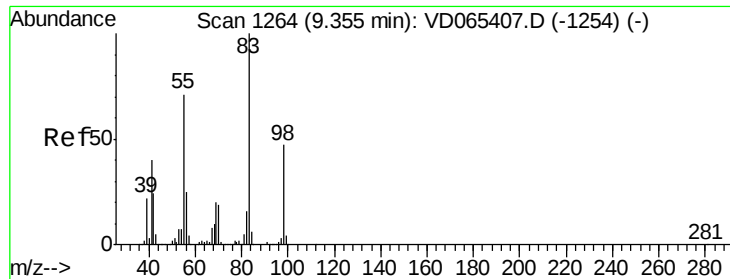
Tgt Ion: 43 Resp: 54998
 Ion Ratio Lower Upper
 43 100
 61 17.9 11.4 17.0#
 70 10.9 9.0 13.4



#38
 Carbon Tetrachloride
 Concen: 21.65 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 117 Resp: 149444
 Ion Ratio Lower Upper
 117 100
 119 95.7 73.3 109.9
 121 28.2 25.0 37.4

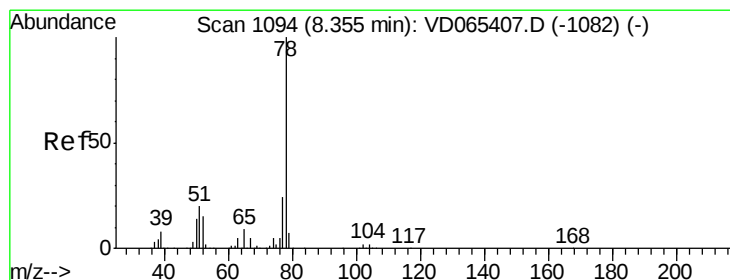
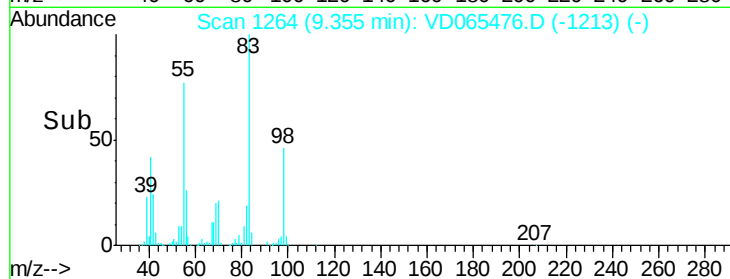
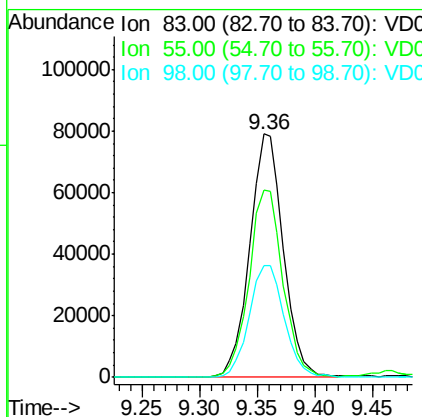
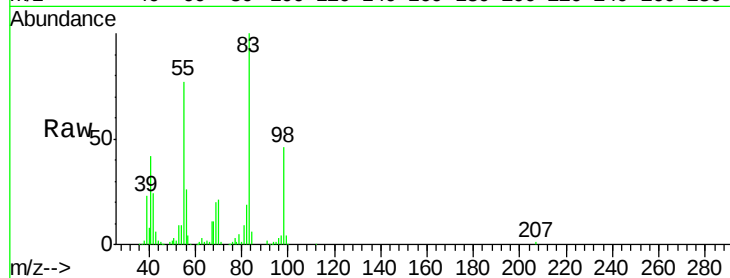




#39
Methylcyclohexane
Concen: 19.92 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

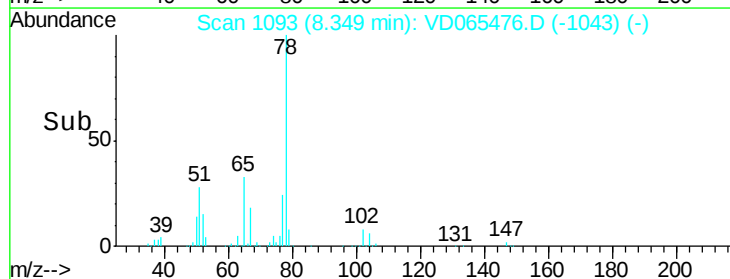
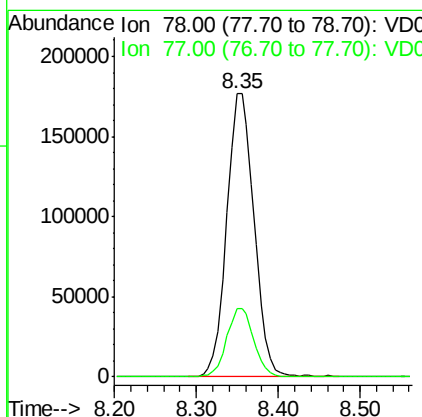
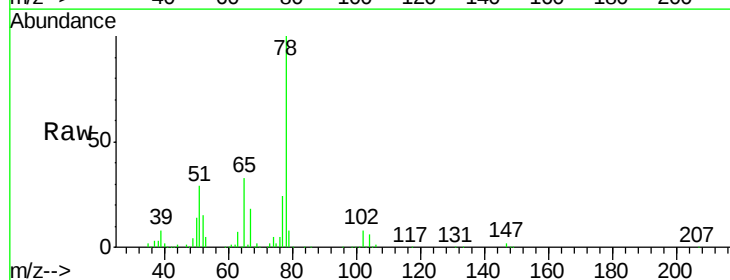
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

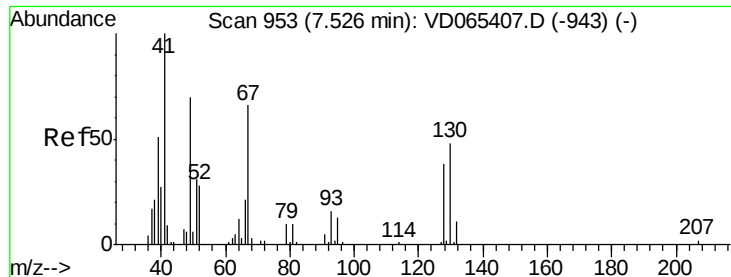
Tgt Ion: 83 Resp: 160217
Ion Ratio Lower Upper
83 100
55 76.9 57.1 85.7
98 46.2 37.8 56.8



#40
Benzene
Concen: 22.13 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 78 Resp: 411868
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0





#41

Methacrylonitrile

Concen: 25.14 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

Tgt Ion: 41 Resp: 34207

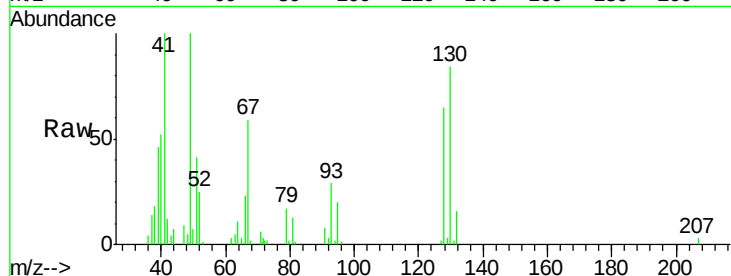
Ion Ratio Lower Upper

41 100

39 44.9 55.0 82.6#

67 65.3 70.3 105.5#

52 26.2 30.7 46.1#



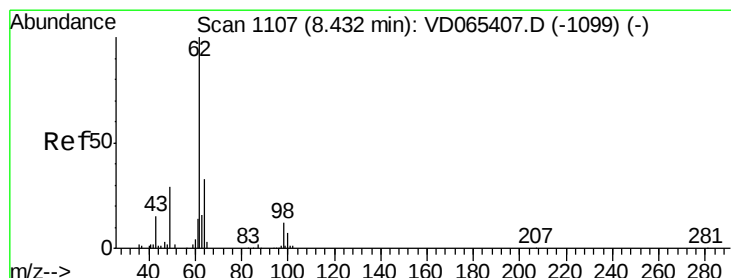
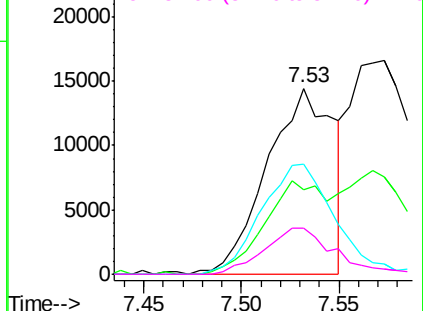
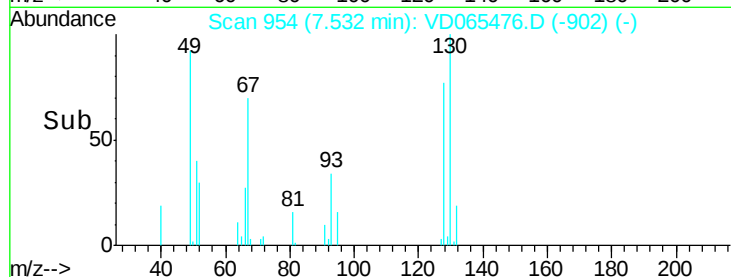
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.08 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065476.D

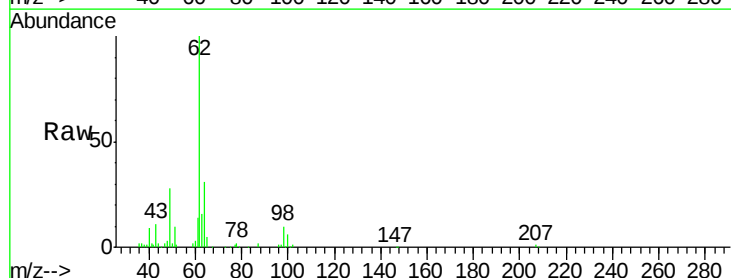
Acq: 11 Mar 2020 12:37

Tgt Ion: 62 Resp: 107329

Ion Ratio Lower Upper

62 100

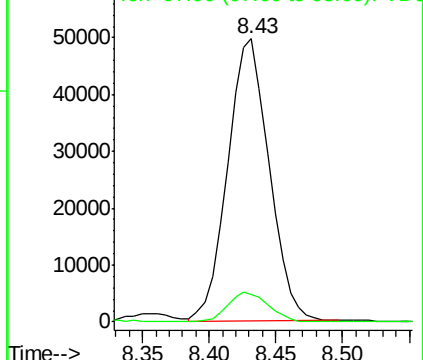
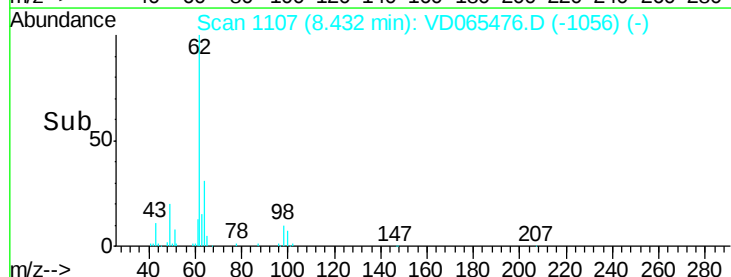
98 10.1 0.0 21.4

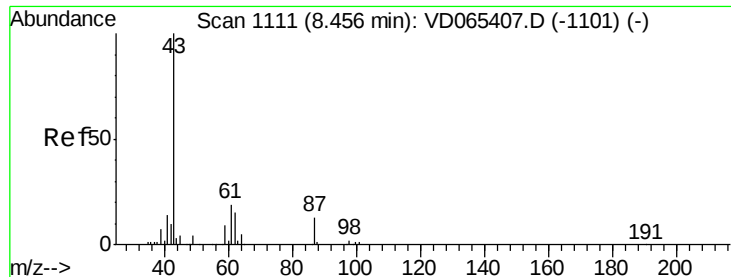


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

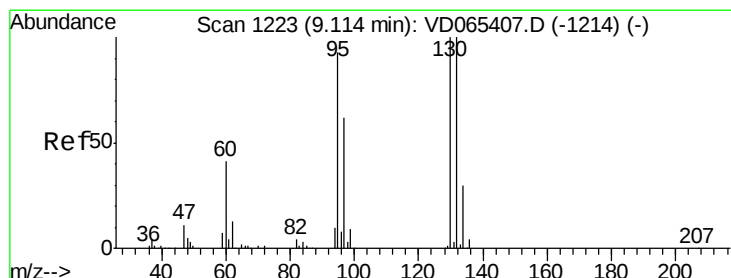
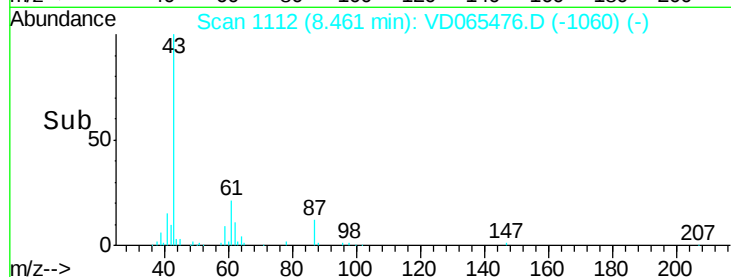
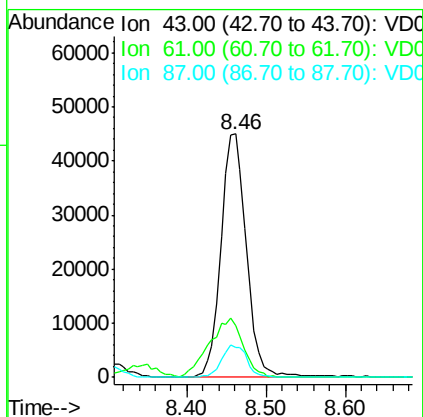
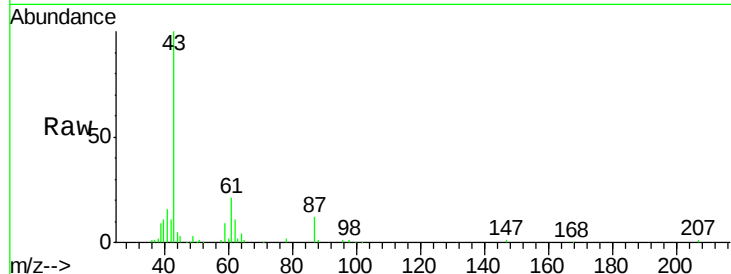




#43
Isopropyl Acetate
Concen: 21.00 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

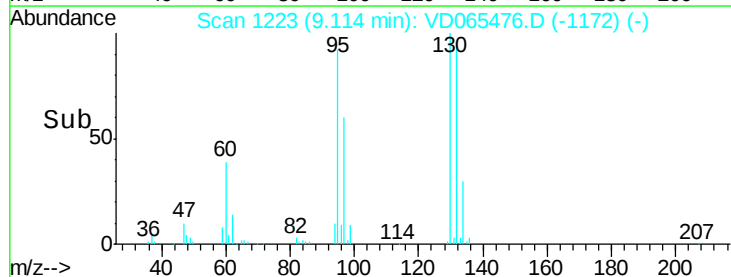
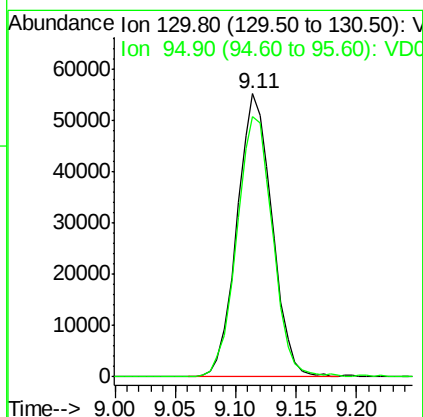
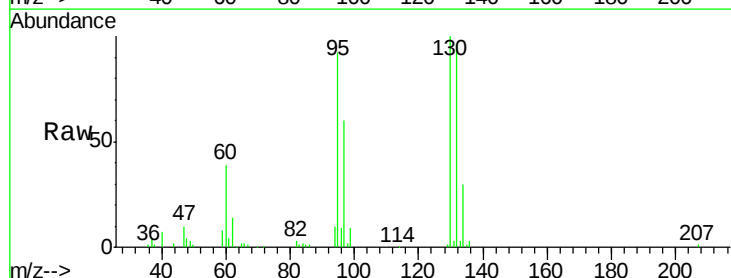
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

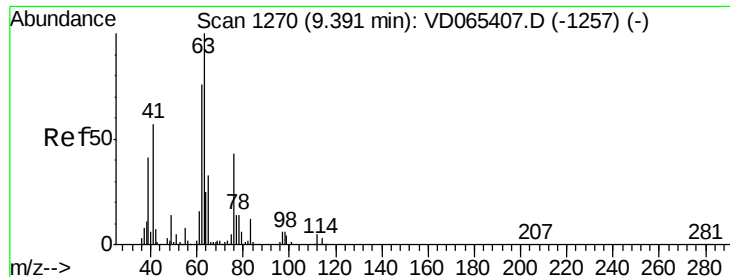
Tgt Ion: 43 Resp: 99805
Ion Ratio Lower Upper
43 100
61 32.4 25.0 37.6
87 13.1 11.0 16.4



#44
Trichloroethene
Concen: 21.28 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 130 Resp: 111859
Ion Ratio Lower Upper
130 100
95 91.8 0.0 186.0

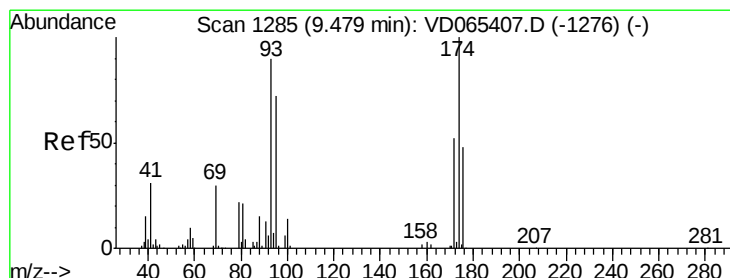
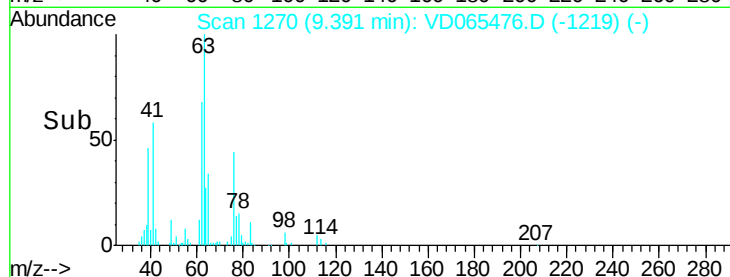
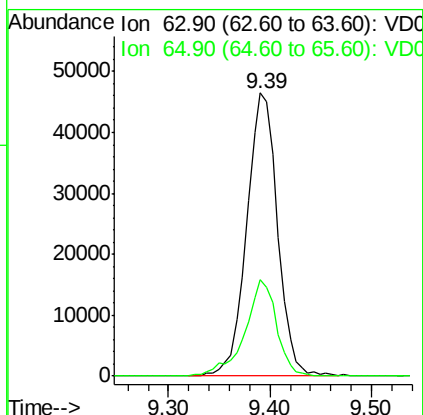
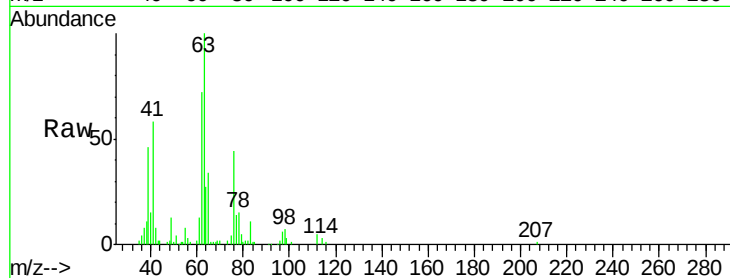




#45
 1,2-Dichloropropane
 Concen: 21.72 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

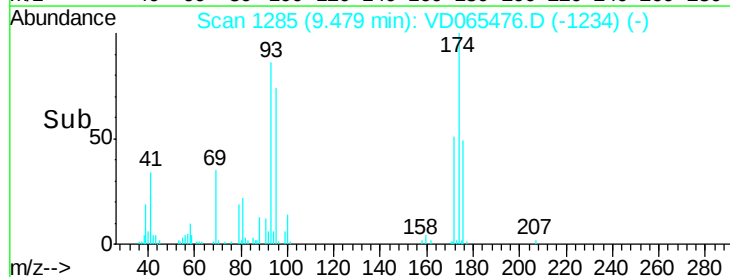
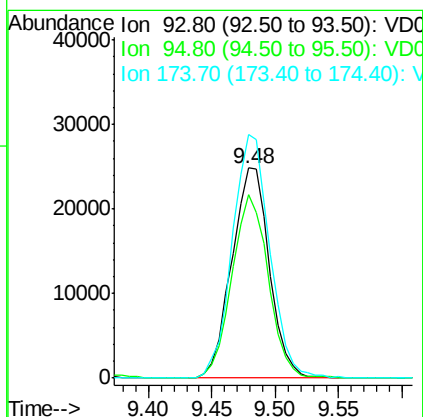
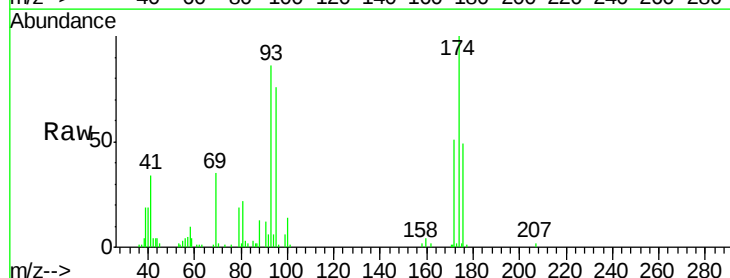
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

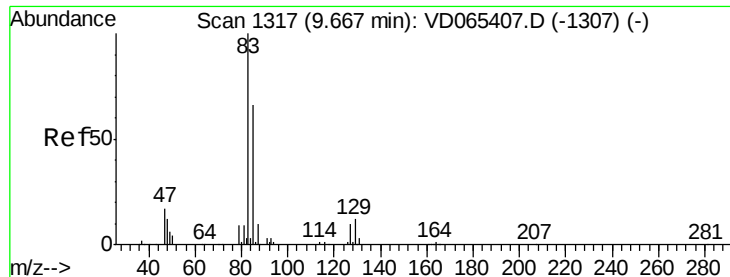
Tgt Ion: 63 Resp: 97950
 Ion Ratio Lower Upper
 63 100
 65 34.0 26.4 39.6



#46
 Dibromomethane
 Concen: 21.80 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 93 Resp: 50996
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.0 97.6
 174 115.6 88.3 132.5

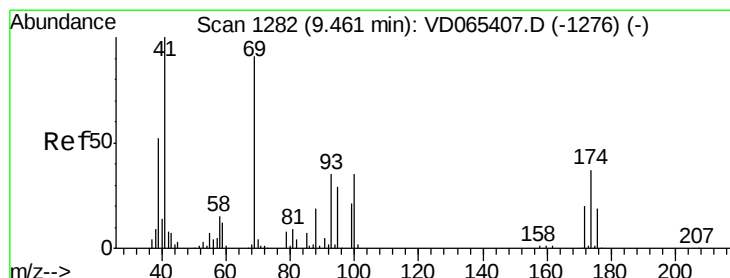
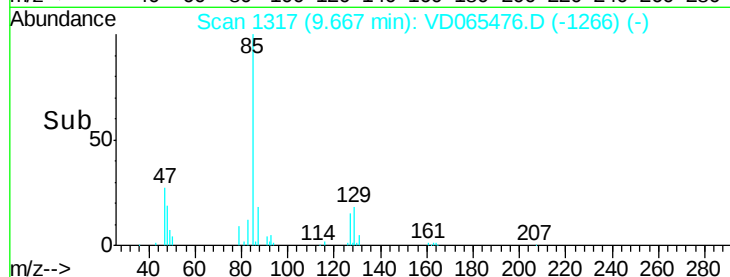
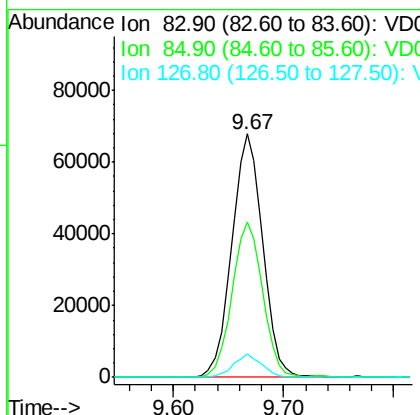
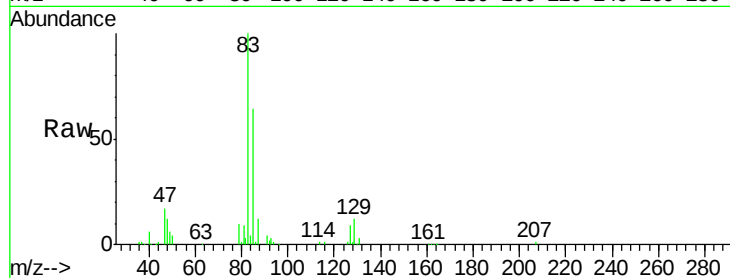




#47
 Bromodichloromethane
 Concen: 21.95 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

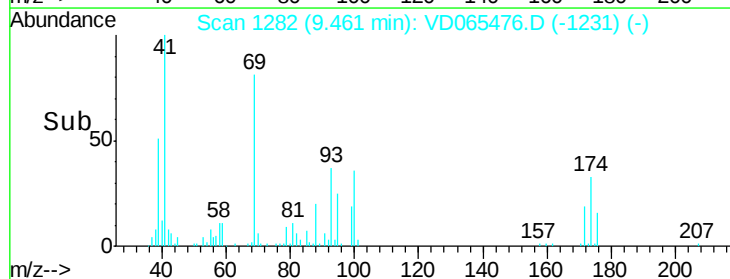
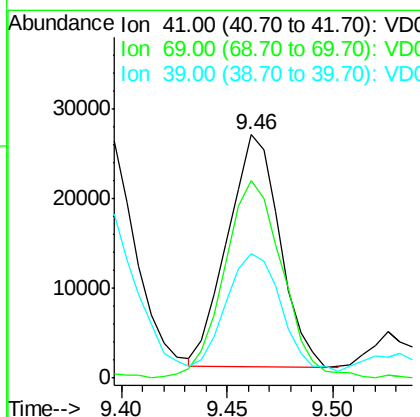
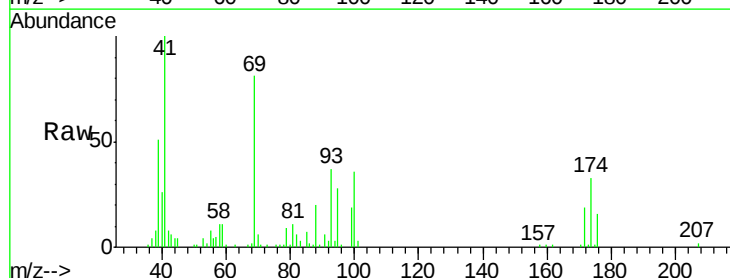
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

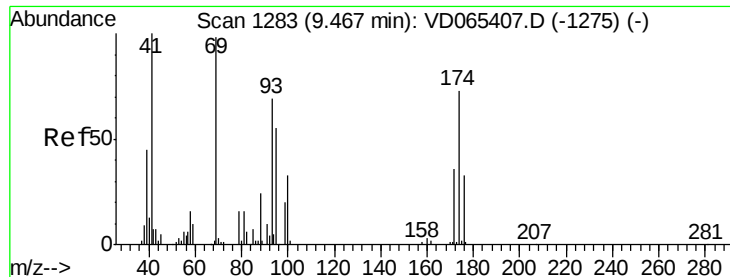
Tgt Ion: 83 Resp: 133555
 Ion Ratio Lower Upper
 83 100
 85 63.7 52.8 79.2
 127 9.5 8.0 12.0



#48
 Methyl methacrylate
 Concen: 19.75 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 41 Resp: 44144
 Ion Ratio Lower Upper
 41 100
 69 95.1 72.5 108.7
 39 59.8 41.6 62.4





#49

1,4-Dioxane

Concen: 418.63 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

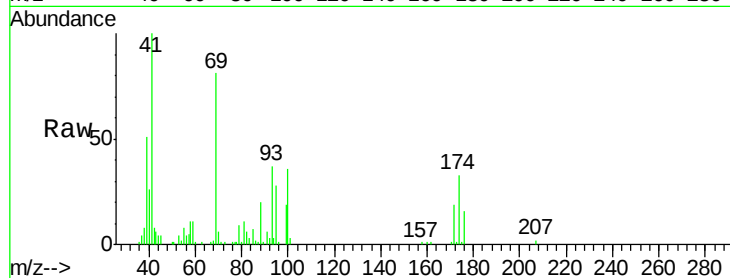
Tgt Ion: 88 Resp: 11200

Ion Ratio Lower Upper

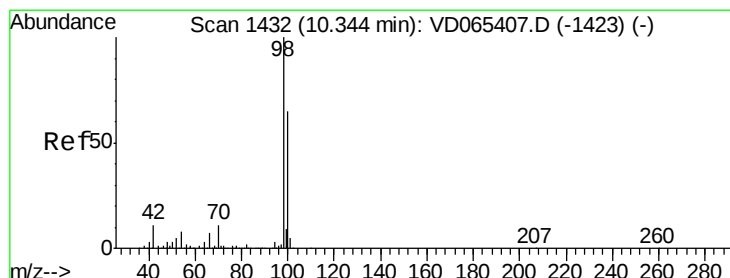
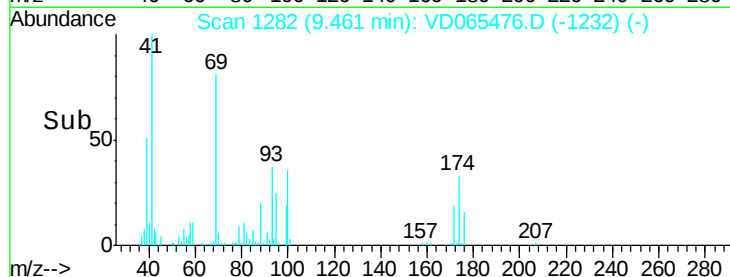
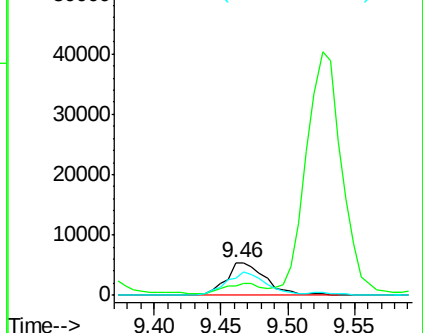
88 100

43 31.2 24.5 36.7

58 71.9 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: 49.83 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065476.D

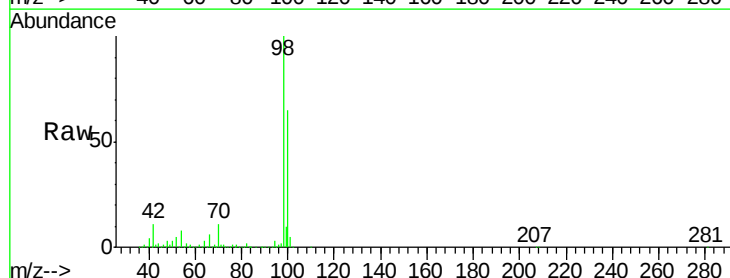
Acq: 11 Mar 2020 12:37

Tgt Ion: 98 Resp: 821073

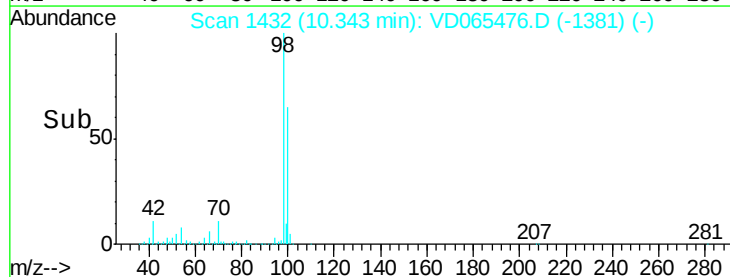
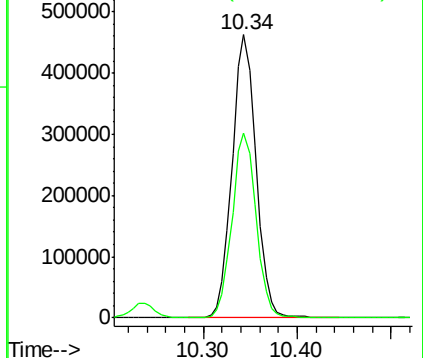
Ion Ratio Lower Upper

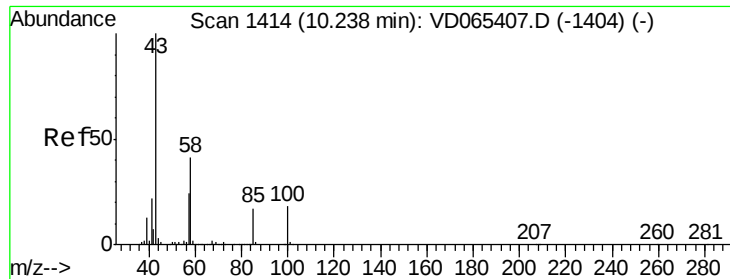
98 100

100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

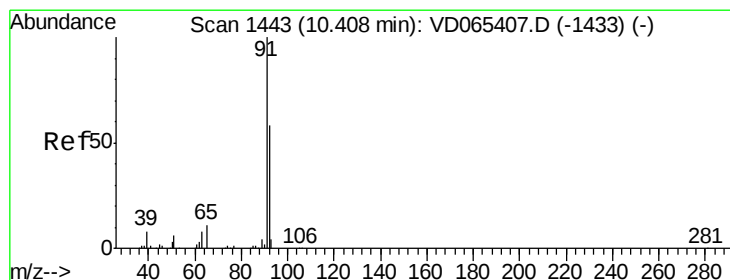
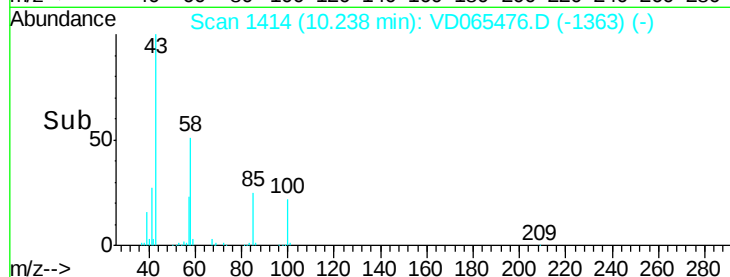
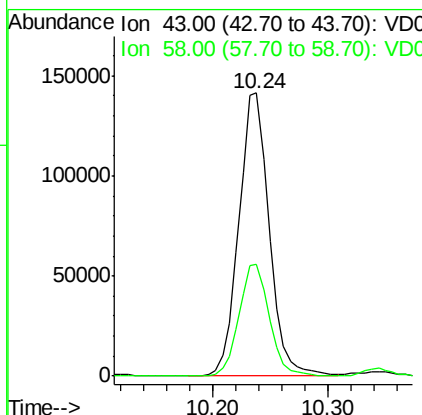
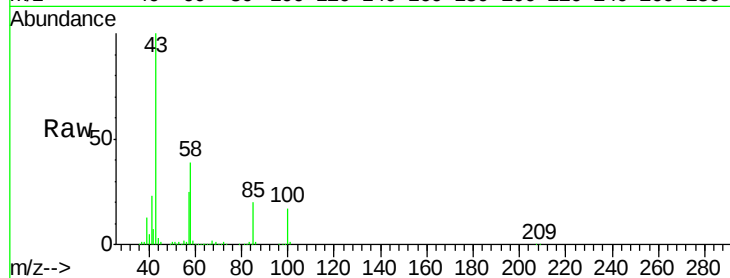




#51
 4-Methyl-2-Pentanone
 Concen: 108.27 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

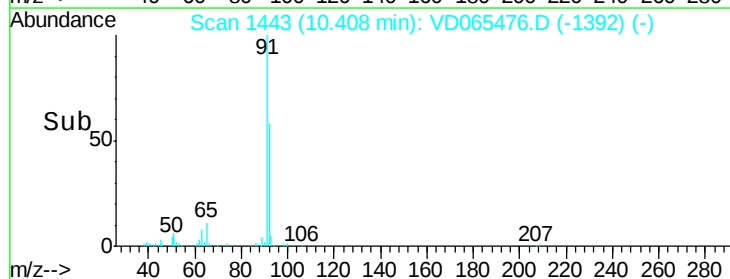
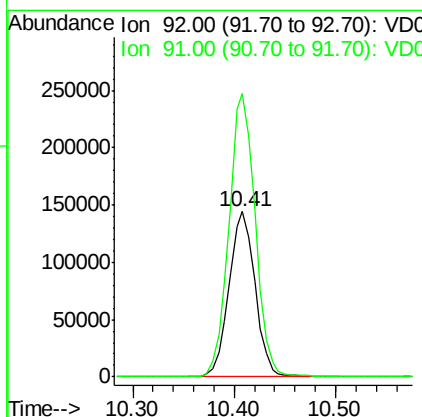
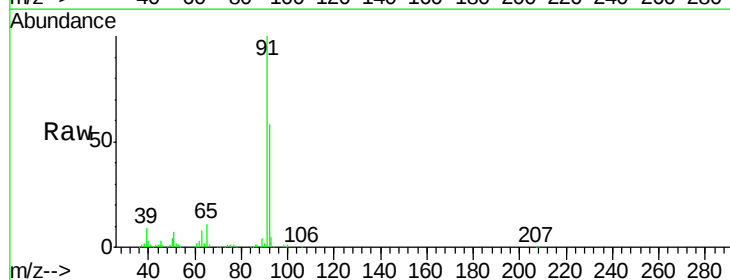
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

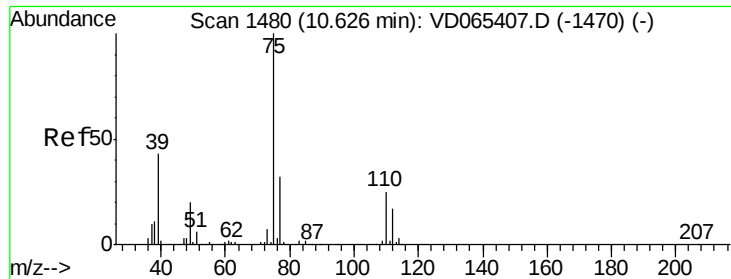
Tgt Ion: 43 Resp: 258887
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.6



#52
 Toluene
 Concen: 21.96 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 92 Resp: 257531
 Ion Ratio Lower Upper
 92 100
 91 172.4 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 21.36 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

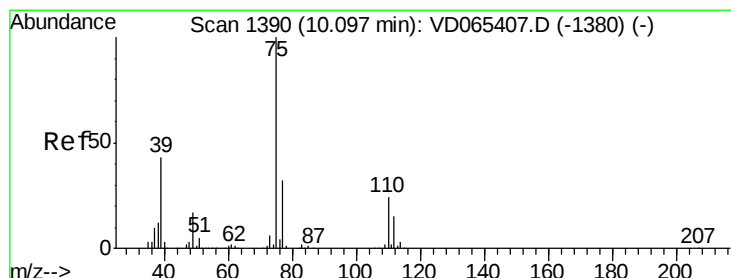
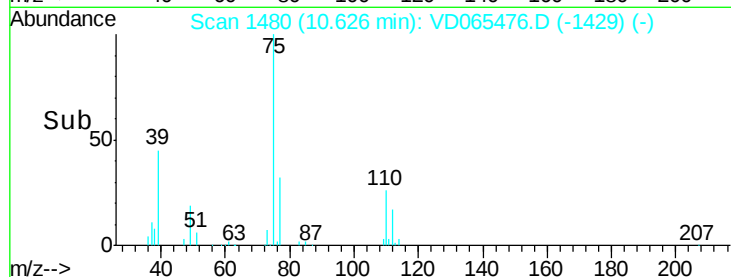
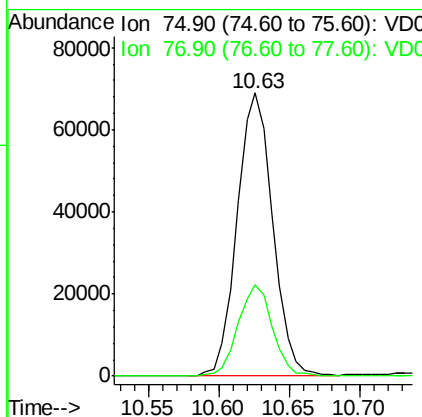
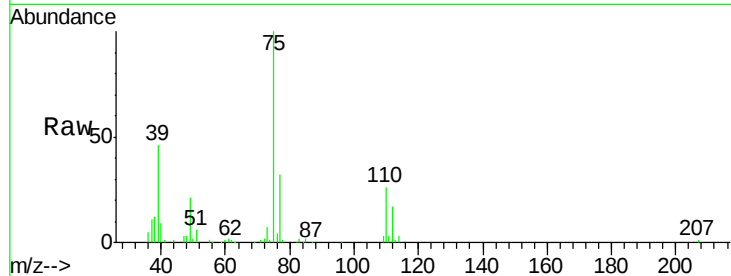
VD0311SBSD01

Tgt Ion: 75 Resp: 121467

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.27 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

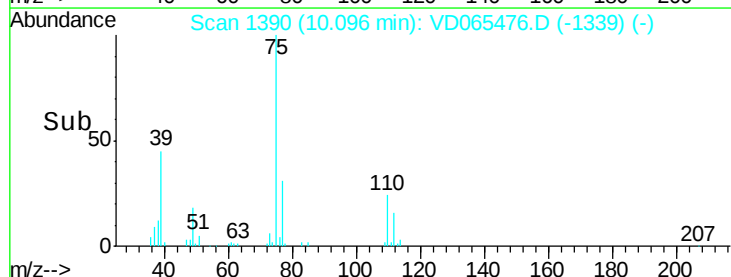
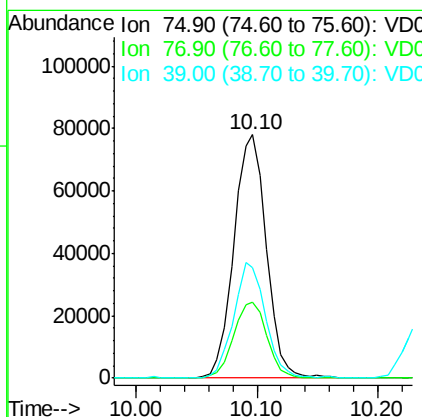
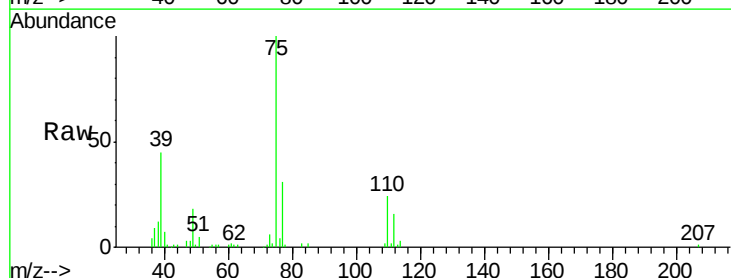
Tgt Ion: 75 Resp: 146390

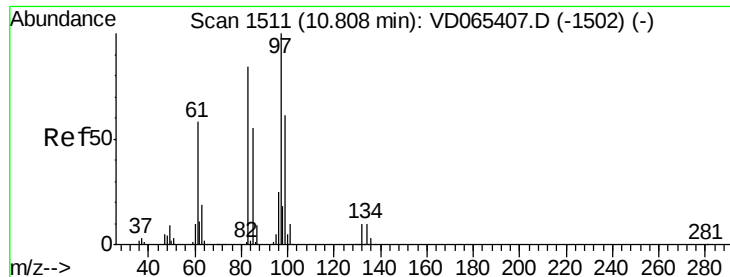
Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9

39 44.9 34.6 52.0

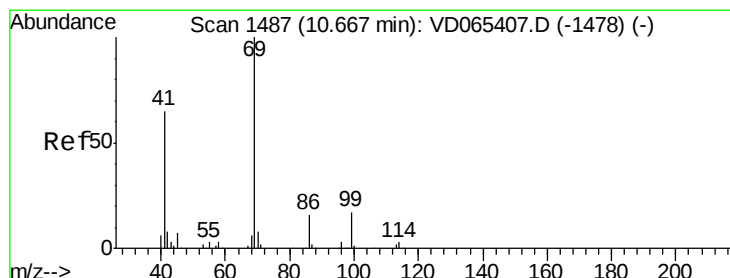
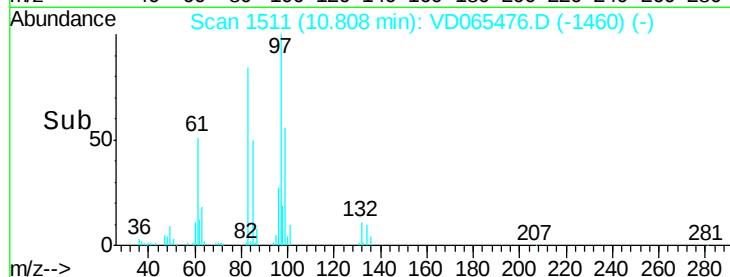
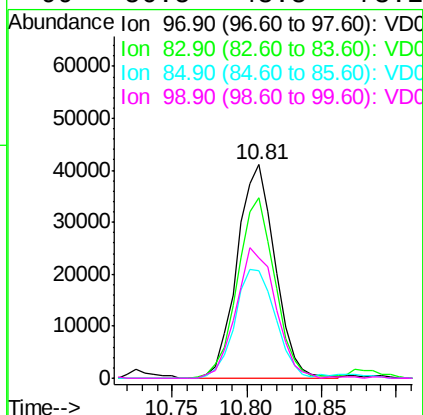
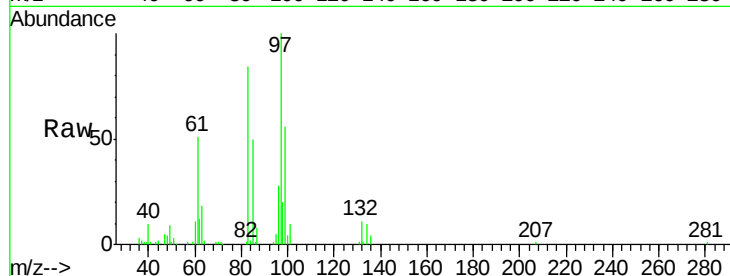




#55
 1,1,2-Trichloroethane
 Concen: 21.96 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

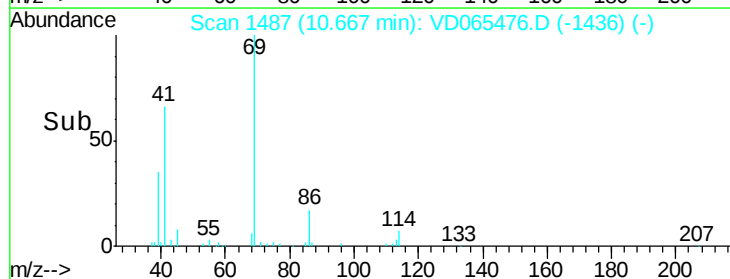
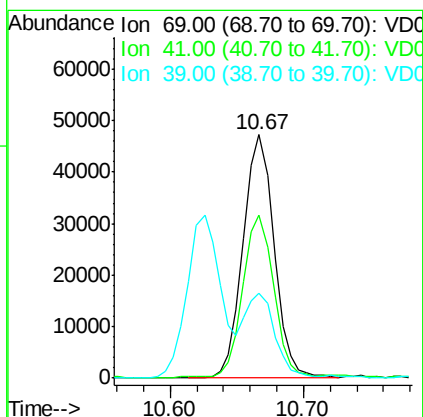
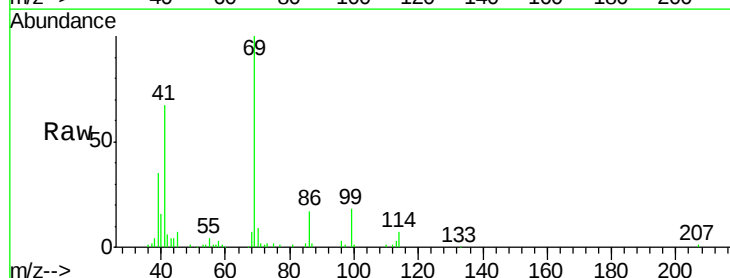
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tgt Ion: 97 Resp: 72732
 Ion Ratio Lower Upper
 97 100
 83 84.3 67.4 101.0
 85 50.5 43.8 65.8
 99 56.5 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 20.44 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 69 Resp: 76334
 Ion Ratio Lower Upper
 69 100
 41 68.0 53.0 79.6
 39 32.7 26.0 39.0





#57

1,3-Dichloropropane

Concen: 21.77 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

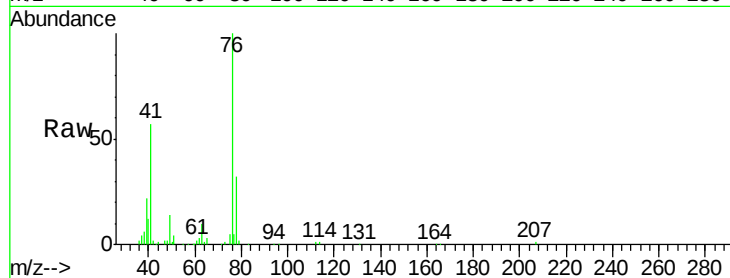
VD0311SBS01

Tgt Ion: 76 Resp: 122038

Ion Ratio Lower Upper

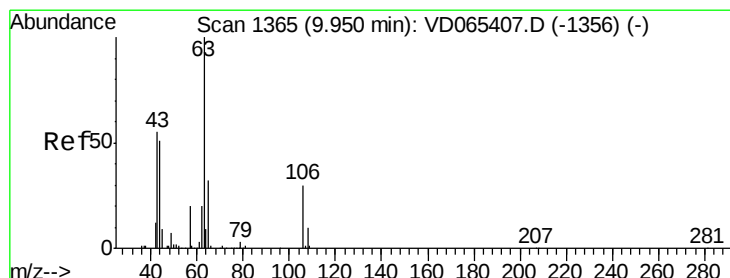
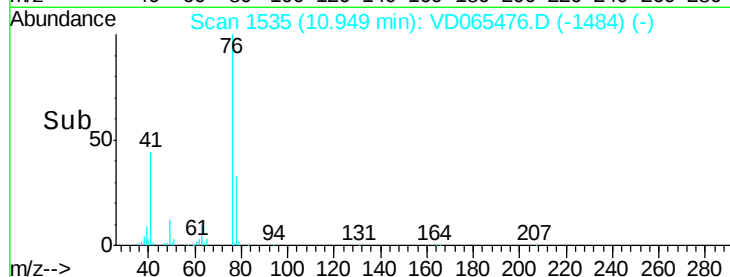
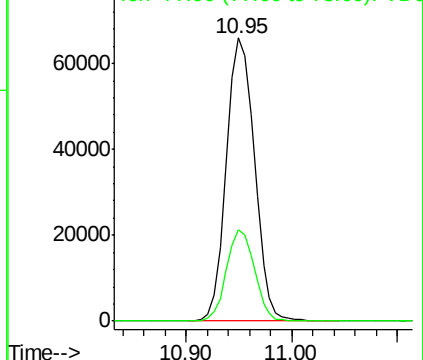
76 100

78 31.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.23 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065476.D

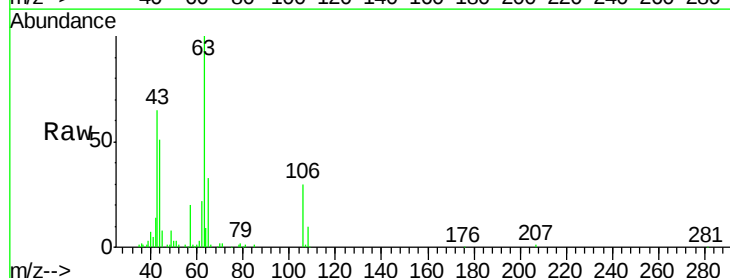
Acq: 11 Mar 2020 12:37

Tgt Ion: 63 Resp: 114271

Ion Ratio Lower Upper

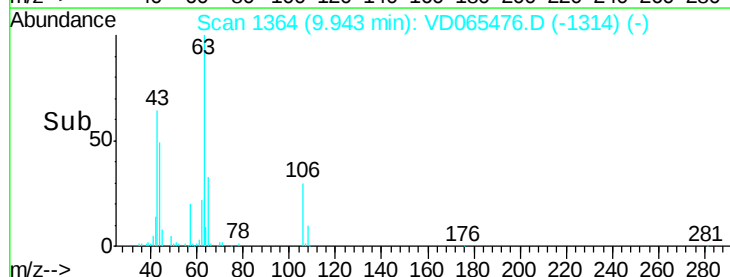
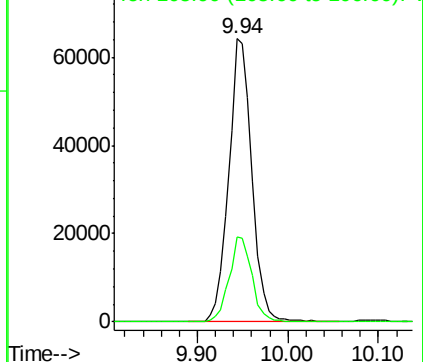
63 100

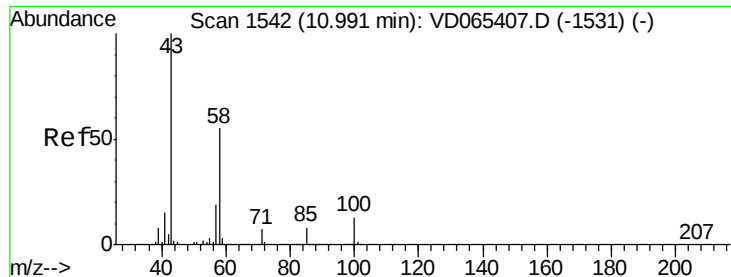
106 29.3 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

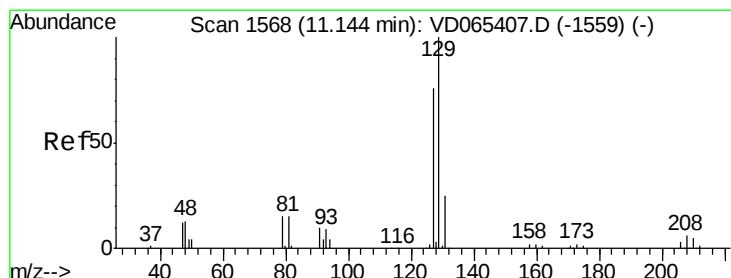
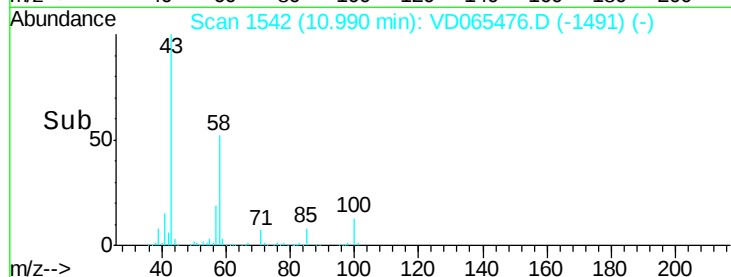
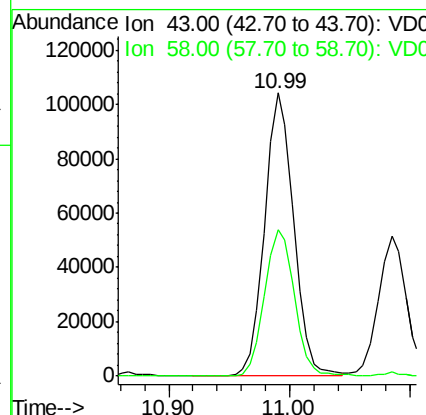
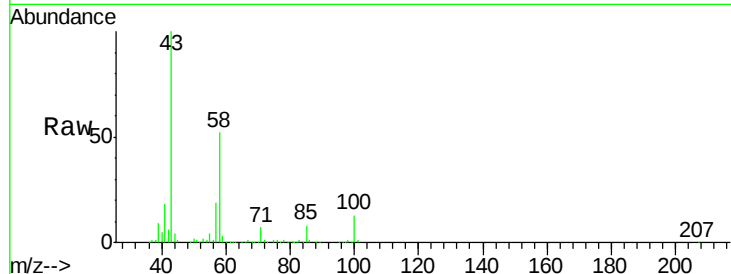




#59
2-Hexanone
Concen: 104.86 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

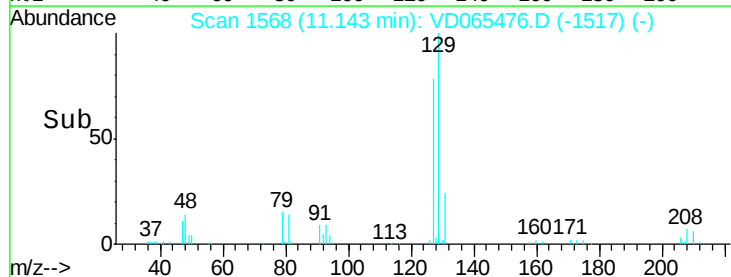
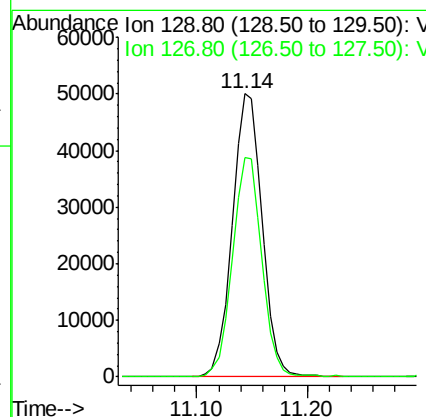
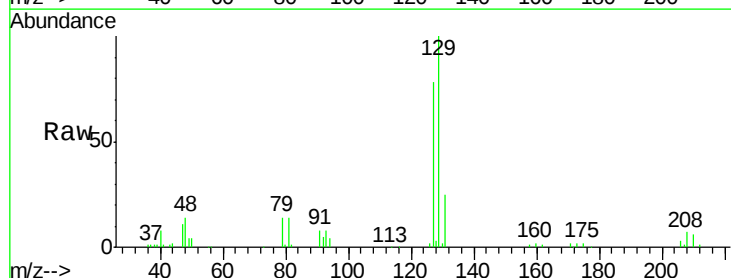
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

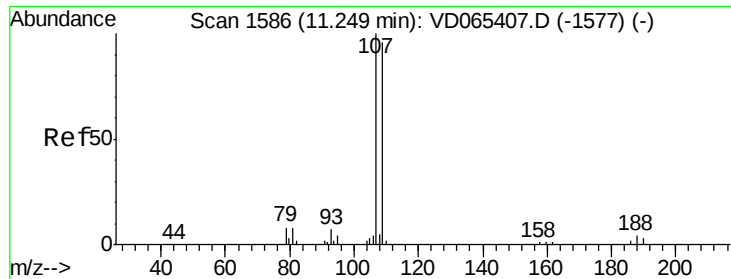
Tgt Ion: 43 Resp: 173560
Ion Ratio Lower Upper
43 100
58 53.3 27.4 82.2



#60
Dibromochloromethane
Concen: 22.31 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 129 Resp: 94716
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5

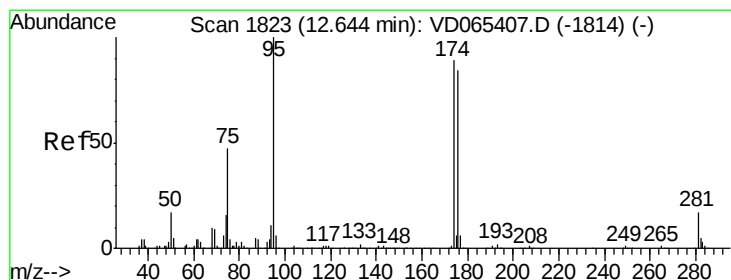
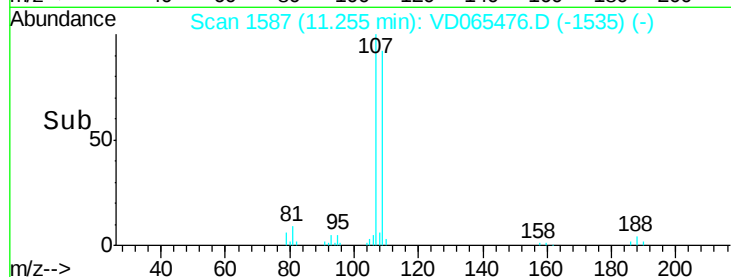
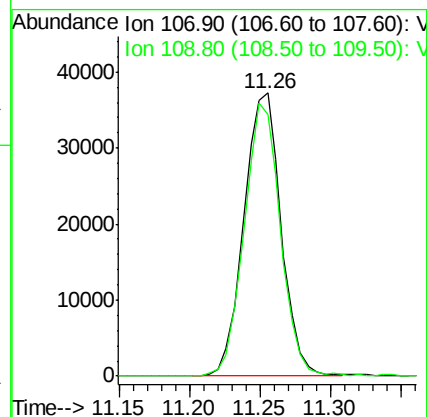
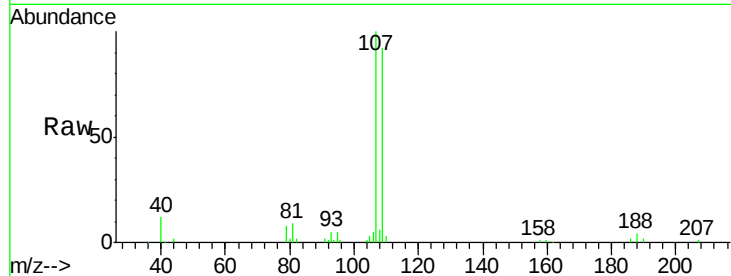




#61
 1,2-Dibromoethane
 Concen: 21.78 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

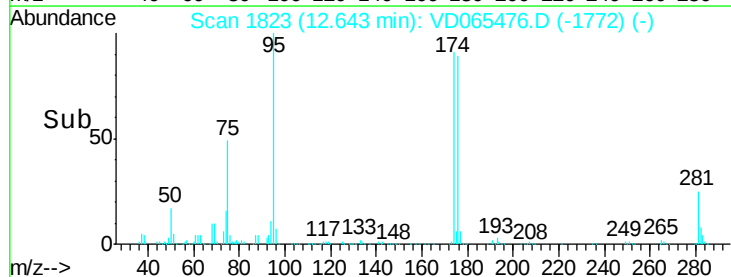
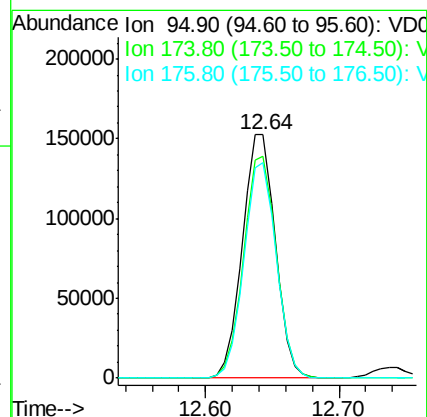
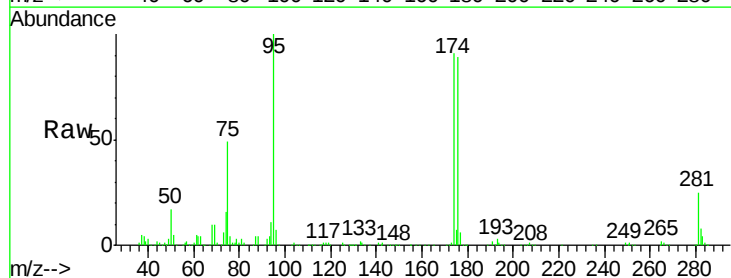
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tgt Ion: 107 Resp: 68814
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.15 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 95 Resp: 260182
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 176.8
 176 86.8 0.0 171.4

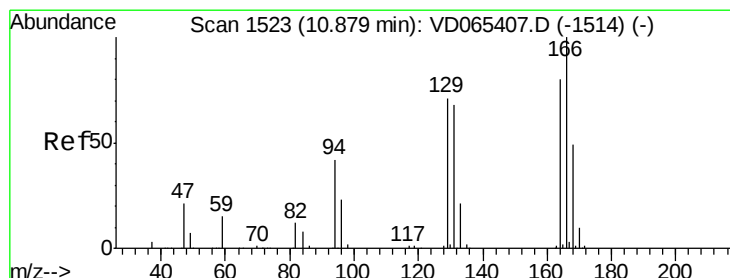
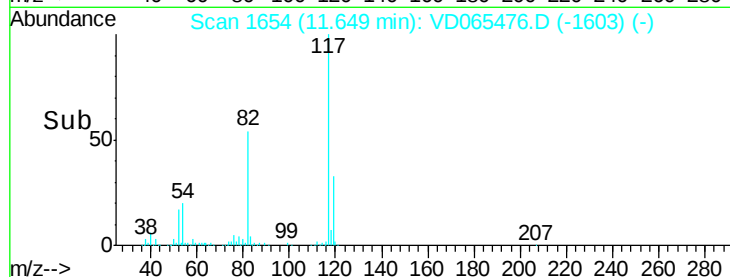
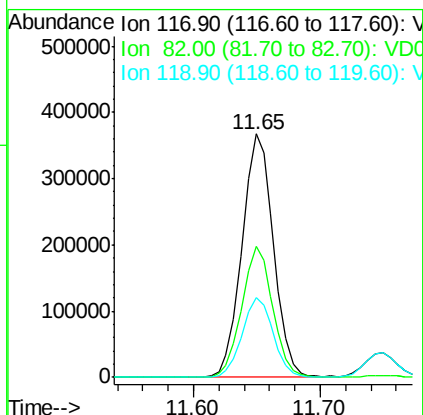
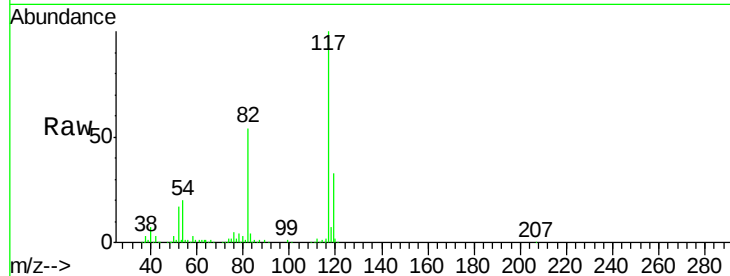




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

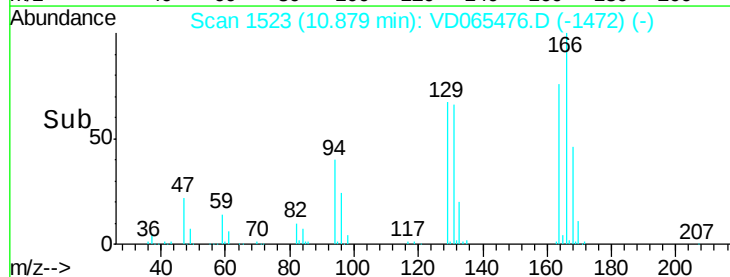
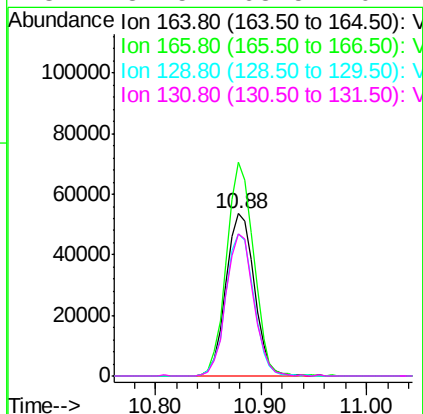
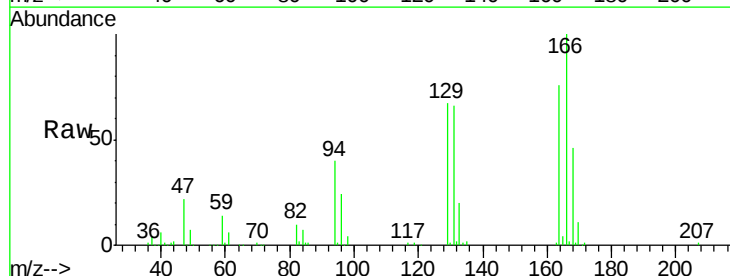
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

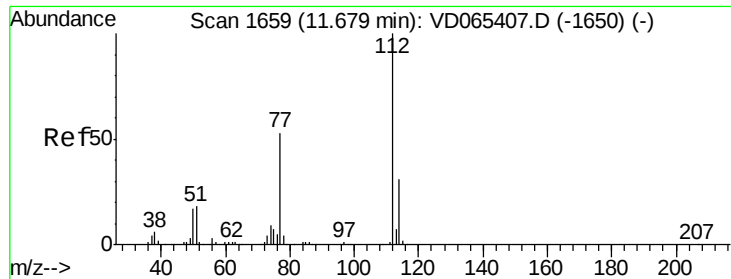
Tgt Ion:117 Resp: 632123
Ion Ratio Lower Upper
117 100
82 53.7 40.6 60.8
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 21.96 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion:164 Resp: 99486
Ion Ratio Lower Upper
164 100
166 131.7 100.5 150.7
129 87.9 71.5 107.3
131 87.5 68.5 102.7

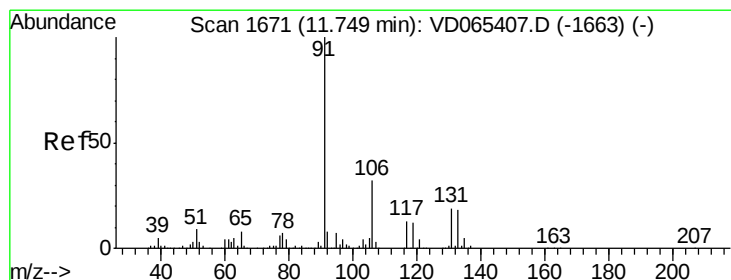
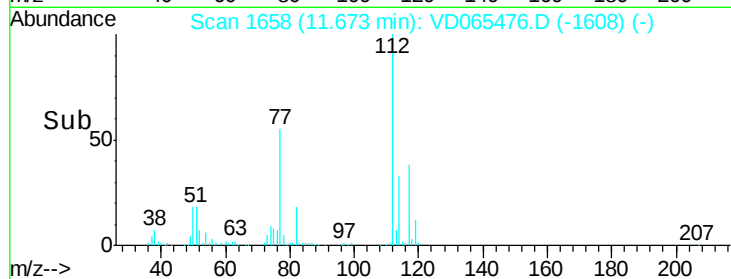
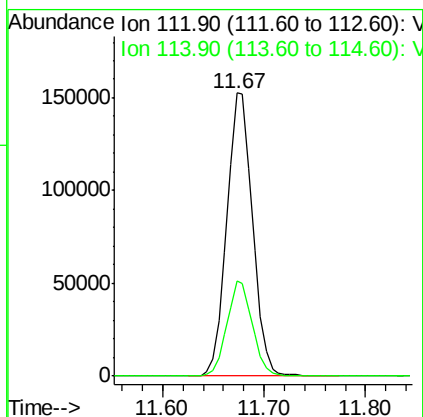
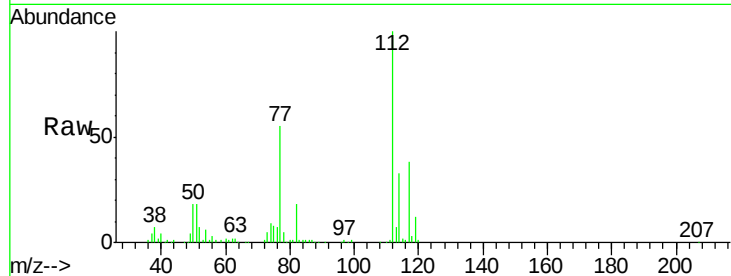




#65
Chlorobenzene
Concen: 21.50 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

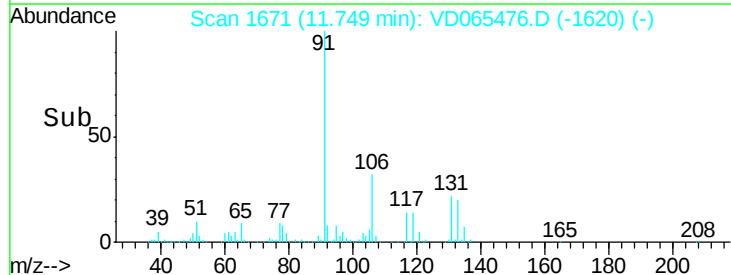
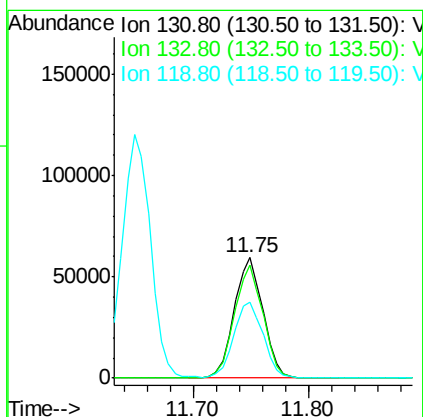
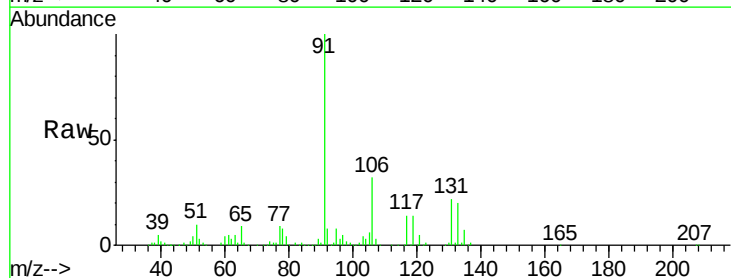
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

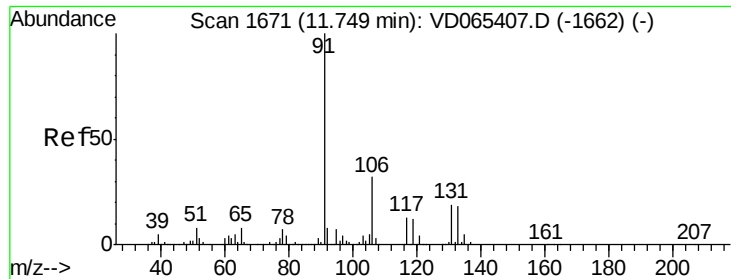
Tgt Ion:112 Resp: 268954
Ion Ratio Lower Upper
112 100
114 33.5 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.52 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion:131 Resp: 102604
Ion Ratio Lower Upper
131 100
133 93.3 49.2 147.6
119 64.6 33.3 99.8

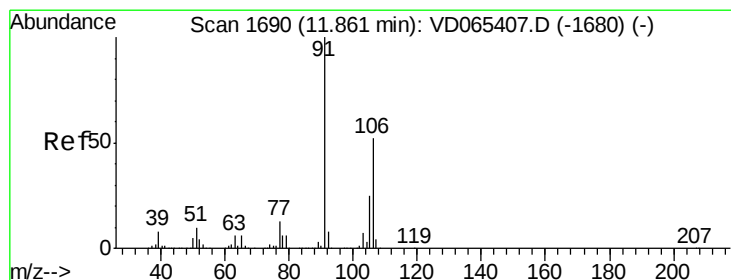
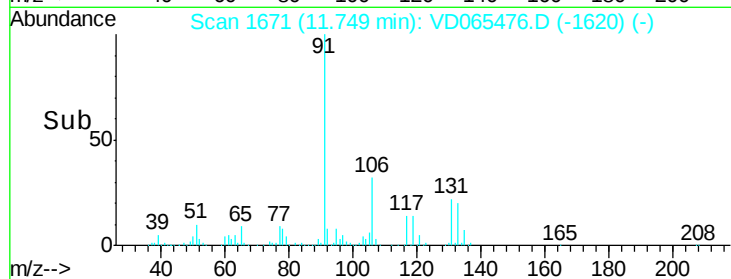
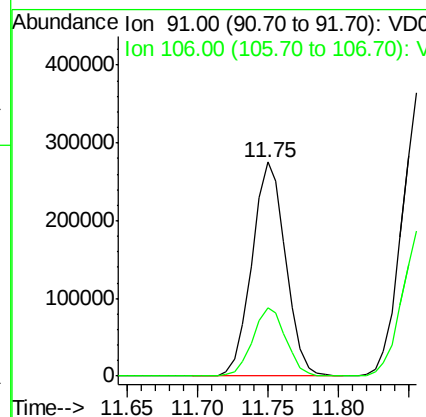
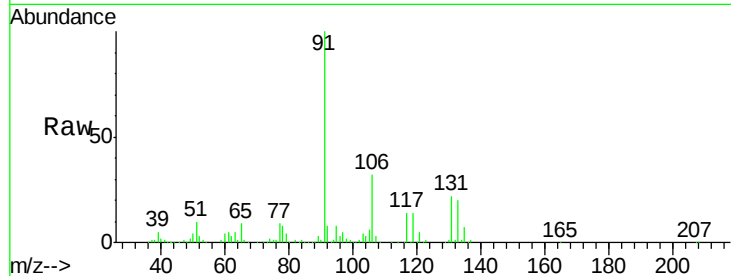




#67
Ethyl Benzene
Concen: 21.35 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

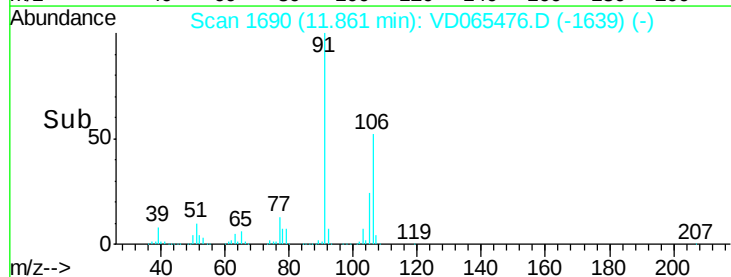
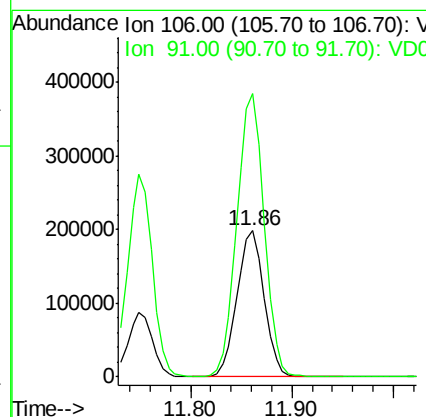
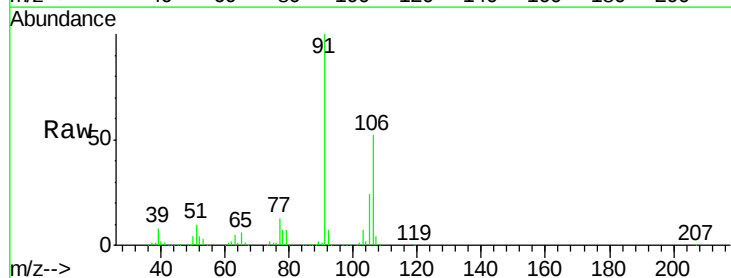
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

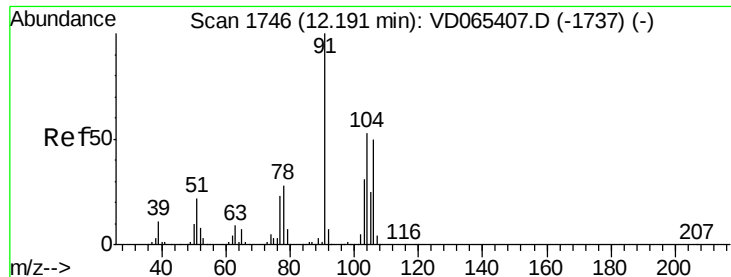
Tgt Ion: 91 Resp: 461449
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8



#68
m/p-Xylenes
Concen: 44.32 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 106 Resp: 369341
Ion Ratio Lower Upper
106 100
91 195.0 155.9 233.9

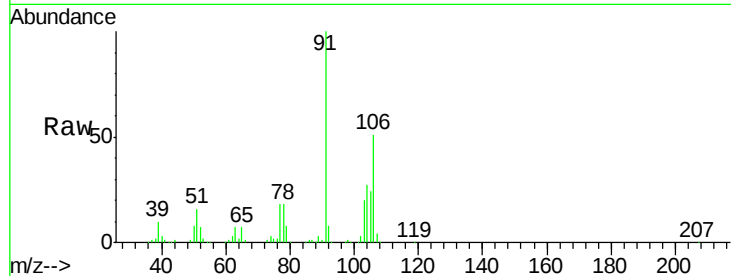




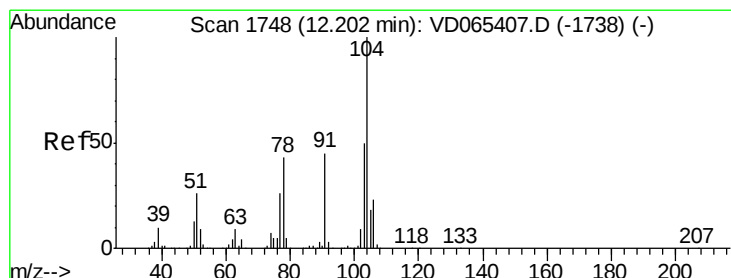
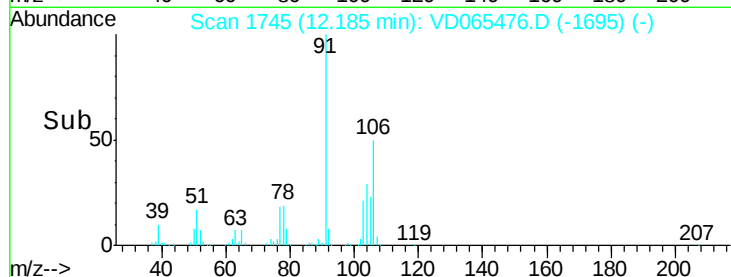
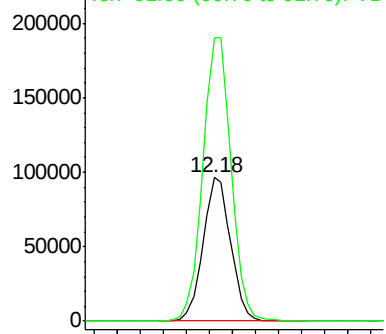
#69
o-Xylene
Concen: 21.70 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tgt Ion:106 Resp: 159071
Ion Ratio Lower Upper
106 100
91 203.0 103.5 310.3

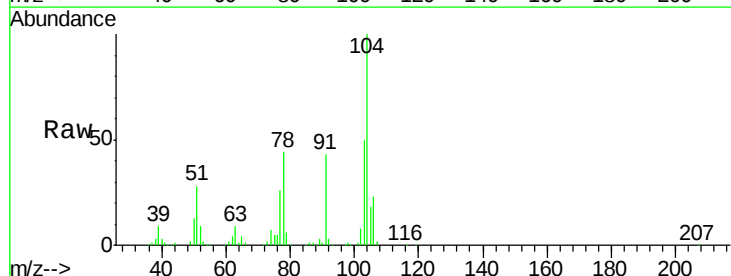


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

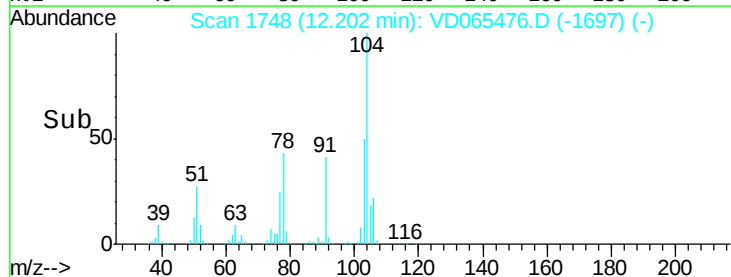
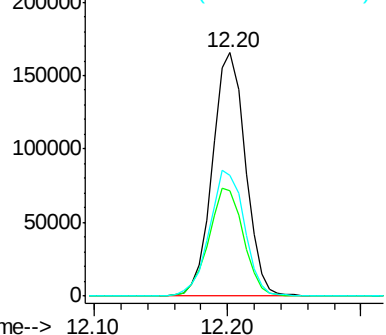


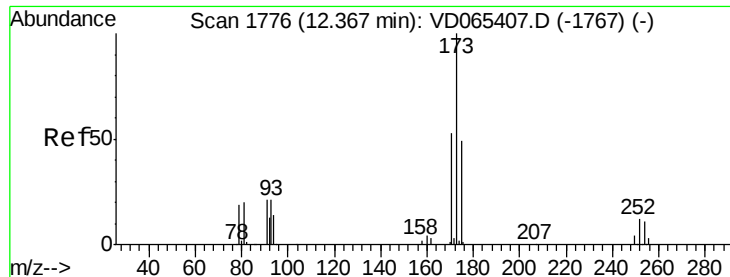
#70
Styrene
Concen: 21.90 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion:104 Resp: 282512
Ion Ratio Lower Upper
104 100
78 46.9 37.7 56.5
103 54.6 43.6 65.4



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





#71

Bromoform

Concen: 22.17 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

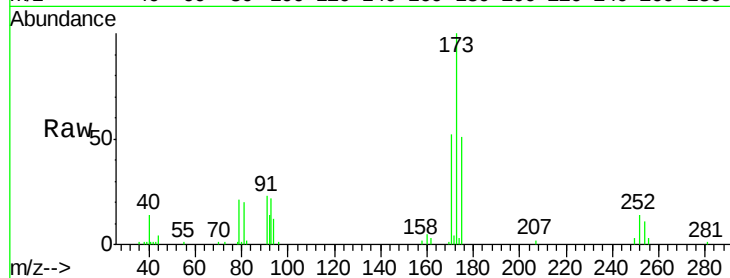
Tgt Ion:173 Resp: 56735

Ion Ratio Lower Upper

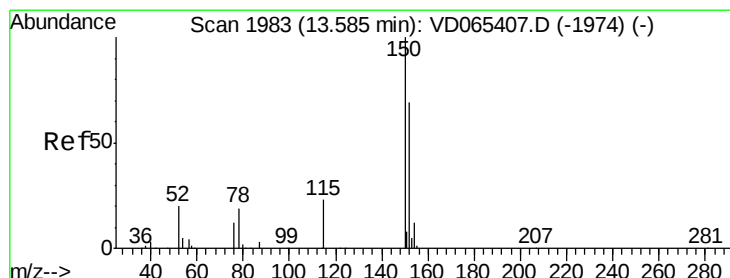
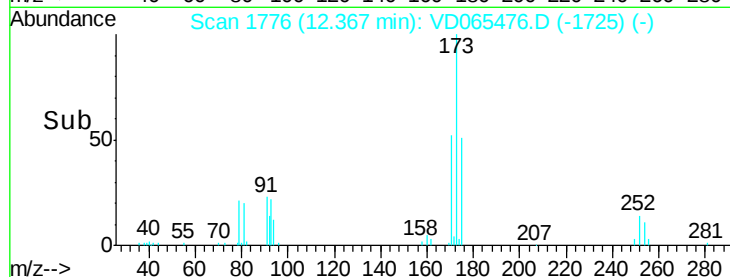
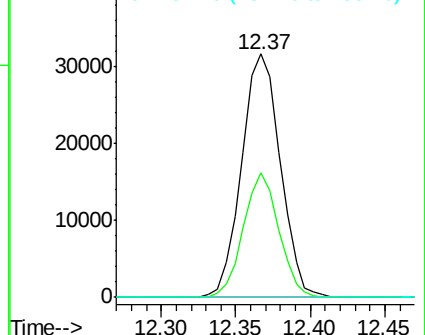
173 100

175 46.8 24.3 73.0

254 0.0 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: VD065476.D

Acq: 11 Mar 2020 12:37

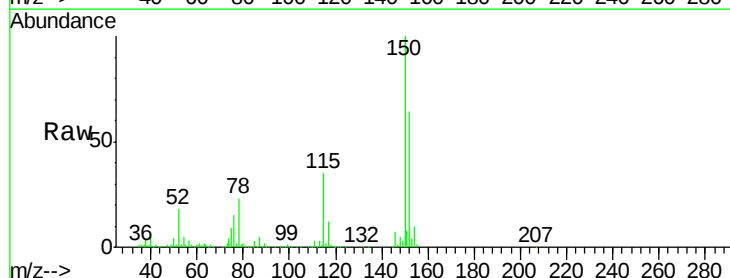
Tgt Ion:152 Resp: 316623

Ion Ratio Lower Upper

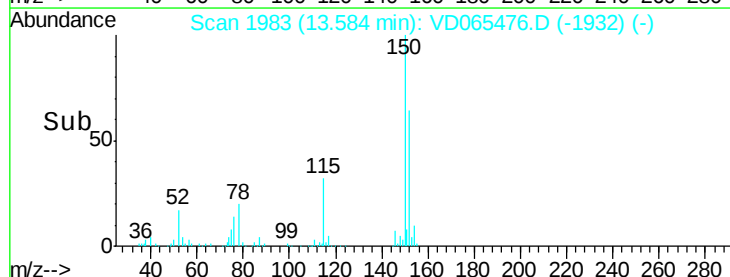
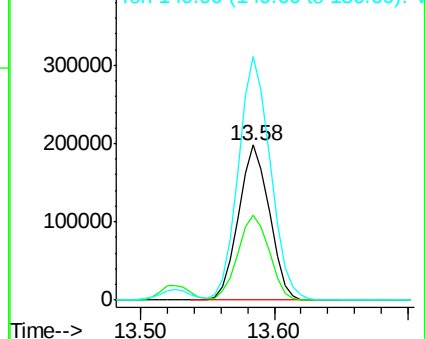
152 100

115 55.4 27.6 82.8

150 162.7 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: 20.95 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

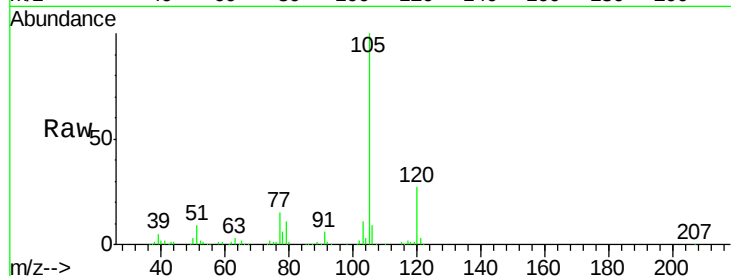
VD0311SBS01

Tgt Ion: 105 Resp: 436289

Ion Ratio Lower Upper

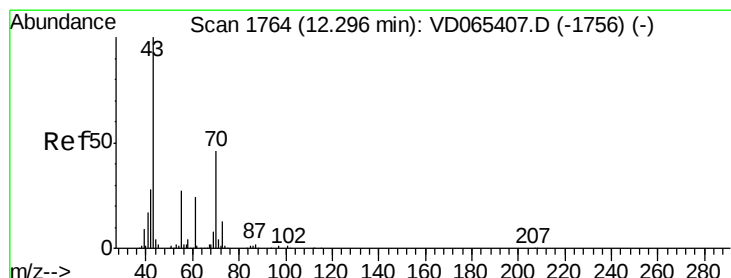
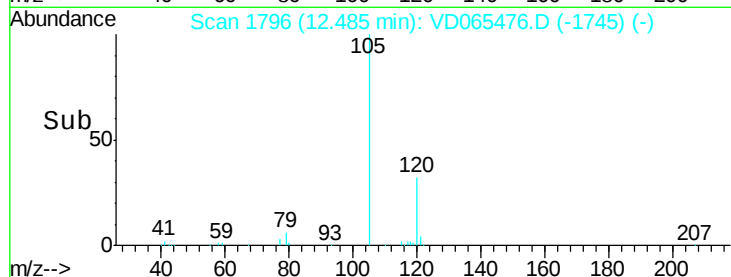
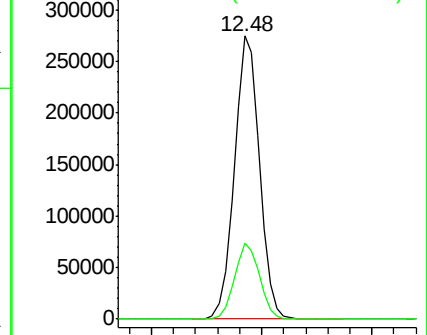
105 100

120 26.8 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: 20.16 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion: 43 Resp: 85942

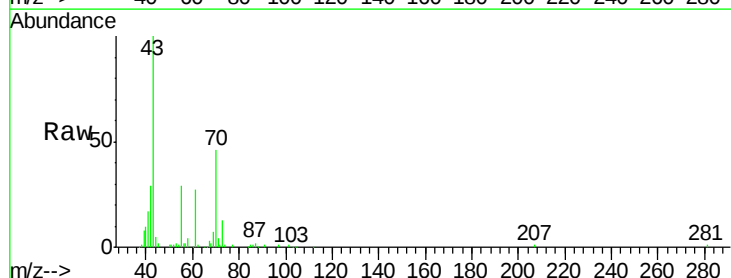
Ion Ratio Lower Upper

43 100

70 45.5 36.1 54.1

55 29.1 21.6 32.4

61 24.7 19.6 29.4

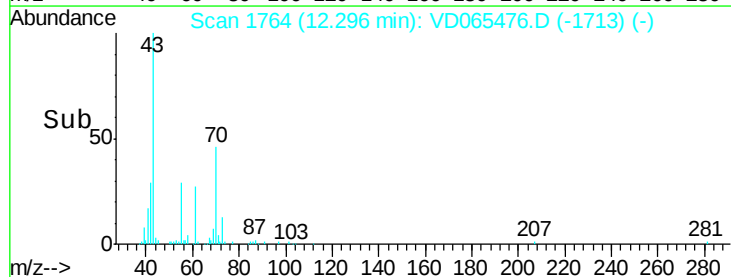
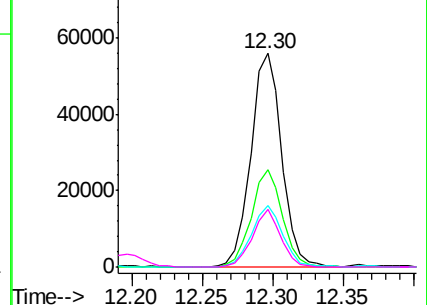


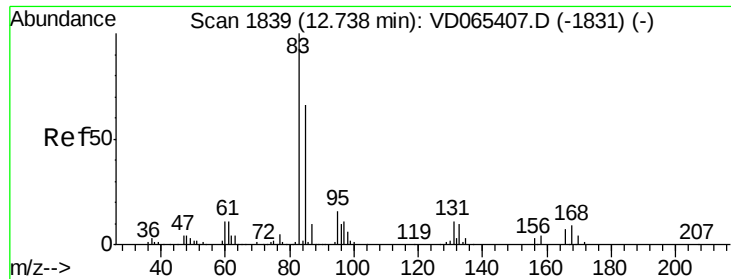
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.02 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

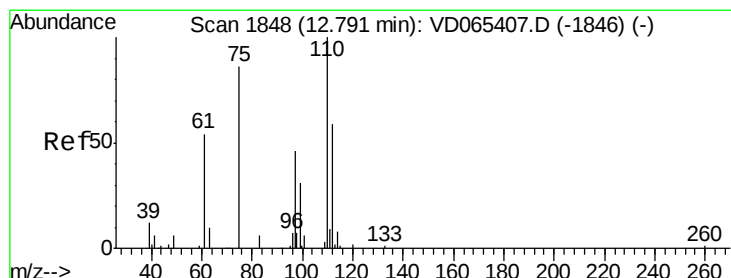
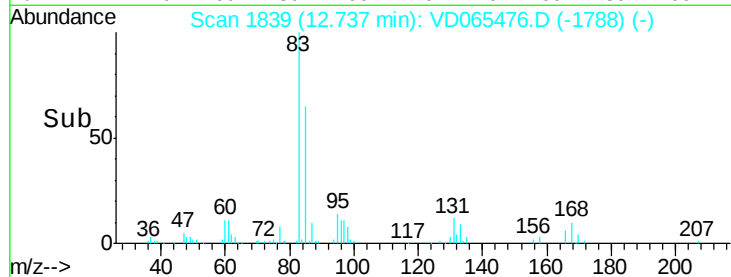
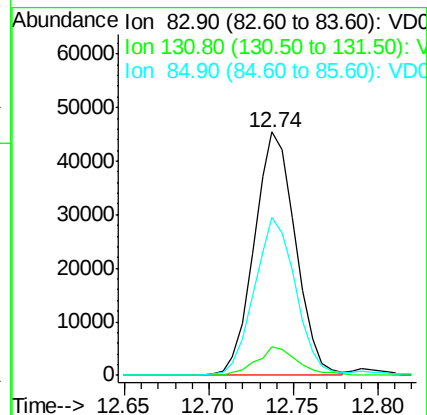
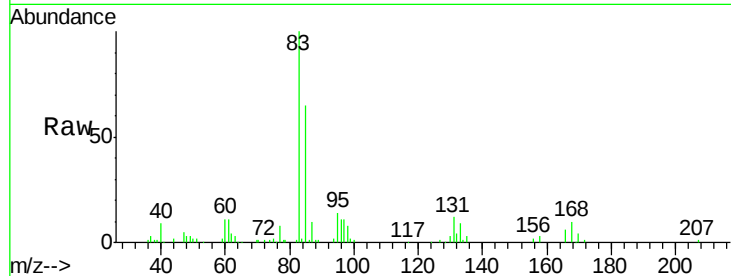
Tgt Ion: 83 Resp: 76944

Ion Ratio Lower Upper

83 100

131 11.6 5.4 16.2

85 64.7 33.0 98.9



#76

1,2,3-Trichloropropane

Concen: 39.68 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065476.D

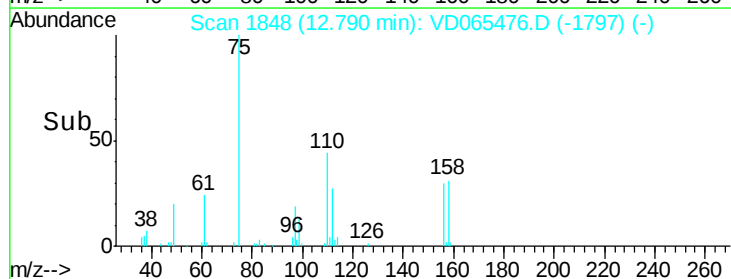
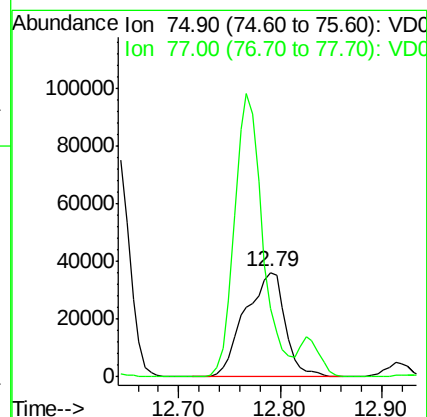
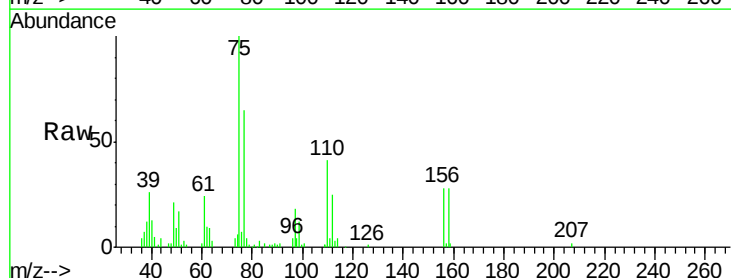
Acq: 11 Mar 2020 12:37

Tgt Ion: 75 Resp: 99128

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.70 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

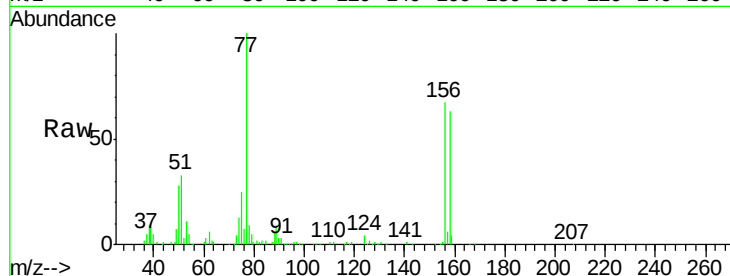
Tgt Ion: 156 Resp: 112302

Ion Ratio Lower Upper

156 100

77 169.8 84.9 254.6

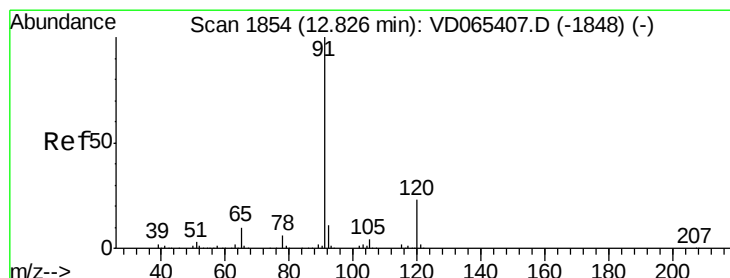
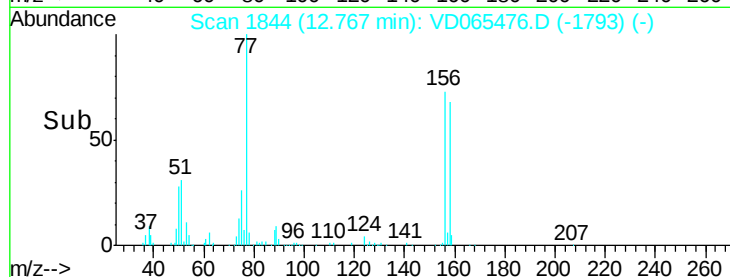
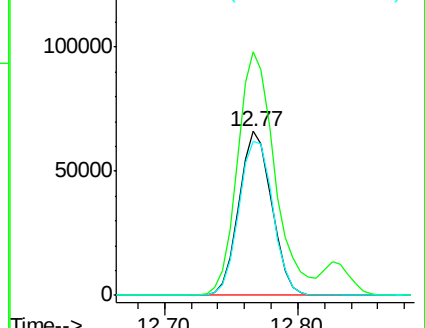
158 97.3 49.0 147.2



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: 21.20 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065476.D

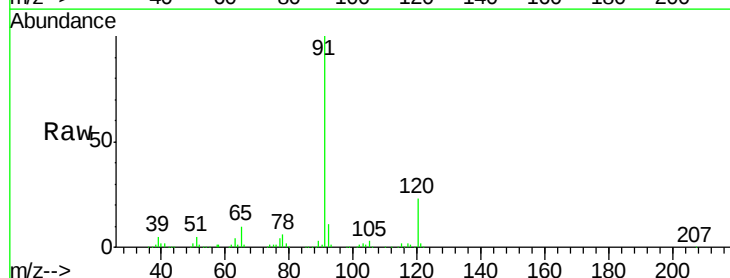
Acq: 11 Mar 2020 12:37

Tgt Ion: 91 Resp: 523926

Ion Ratio Lower Upper

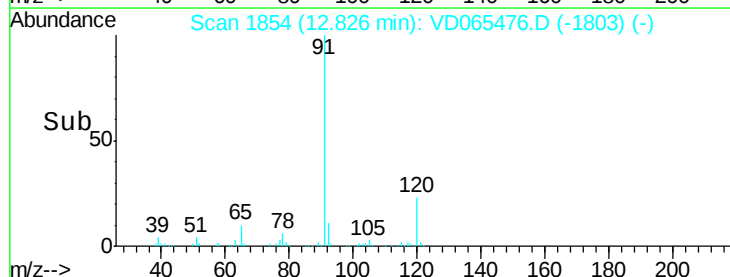
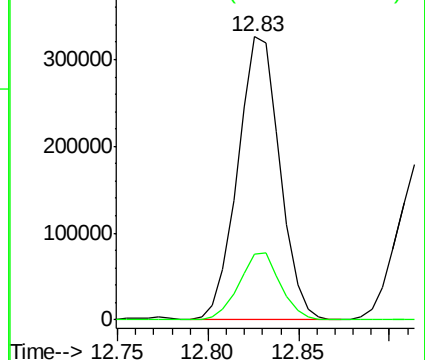
91 100

120 23.3 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: 21.11 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

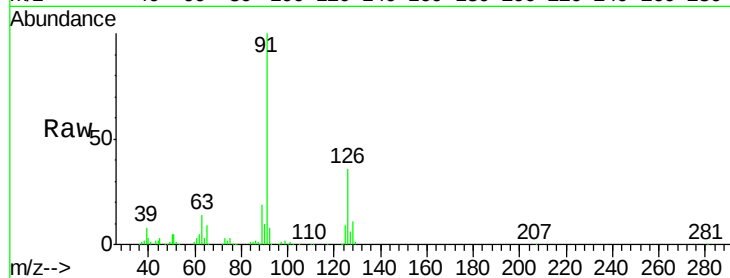
VD0311SBSD01

Tgt Ion: 91 Resp: 293936

Ion Ratio Lower Upper

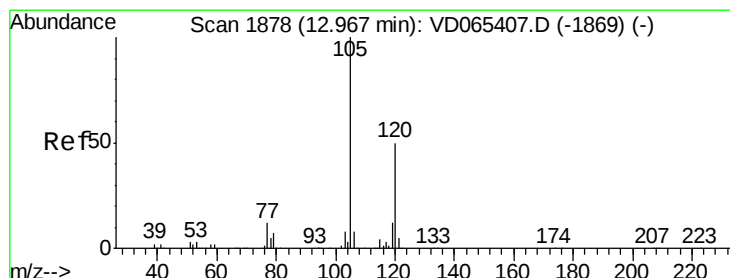
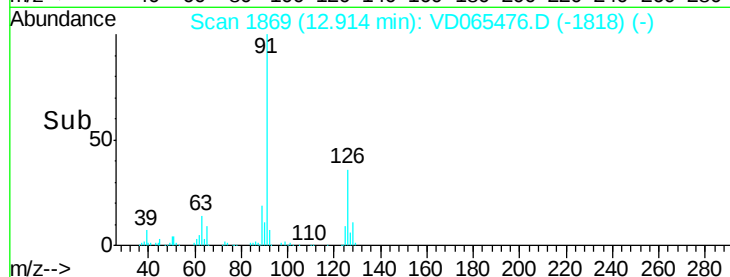
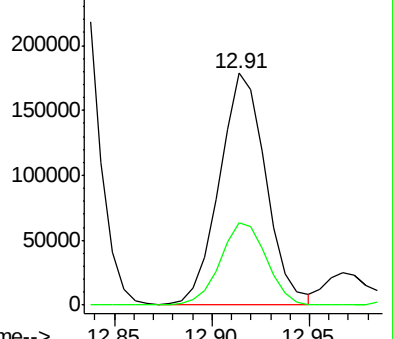
91 100

126 35.5 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.28 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065476.D

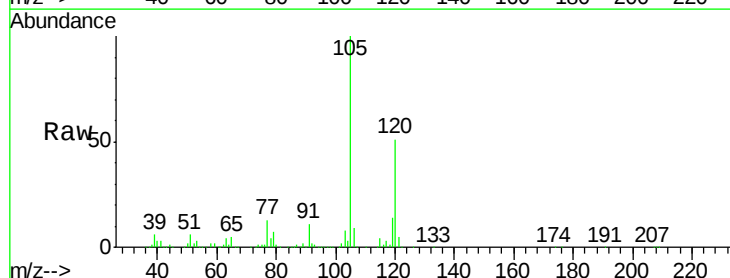
Acq: 11 Mar 2020 12:37

Tgt Ion: 105 Resp: 364309

Ion Ratio Lower Upper

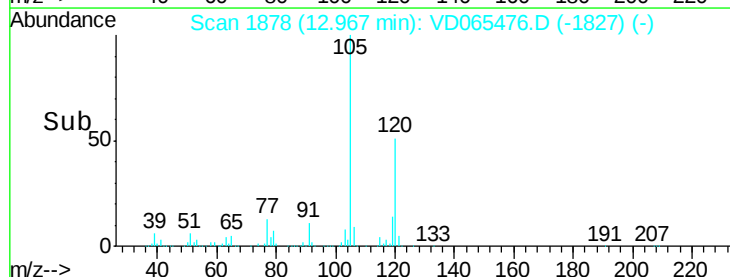
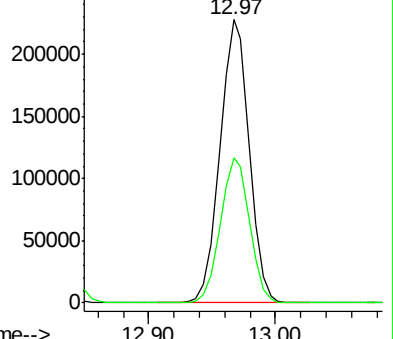
105 100

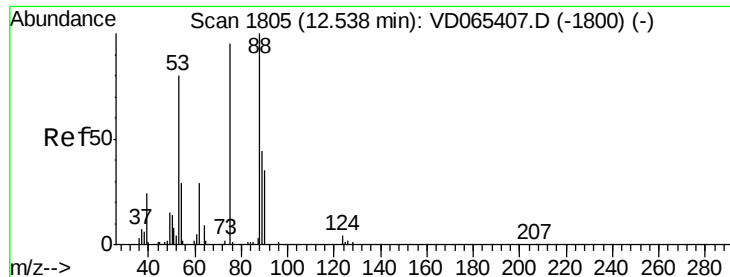
120 51.4 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.60 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

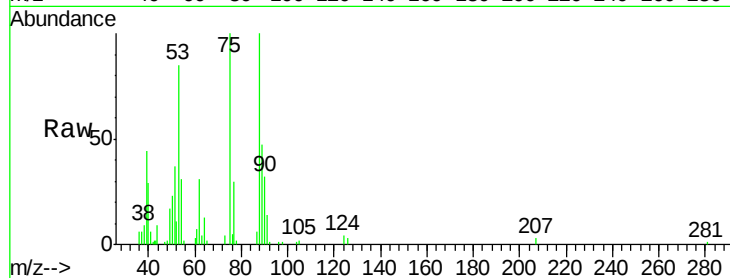
Tgt Ion: 75 Resp: 24391

Ion Ratio Lower Upper

75 100

53 87.4 71.3 106.9

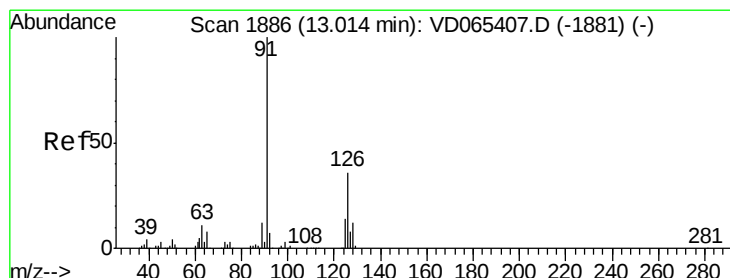
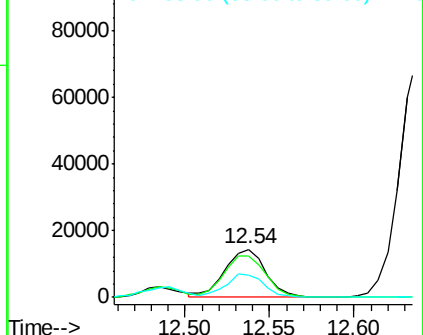
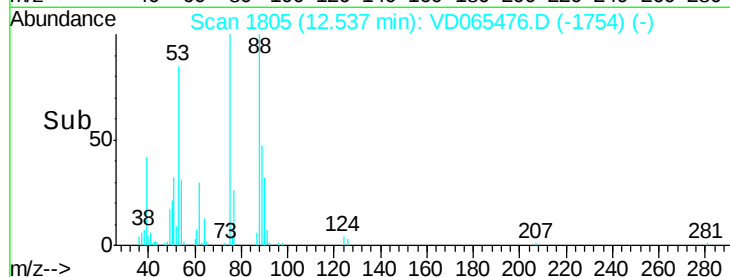
89 45.8 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.37 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065476.D

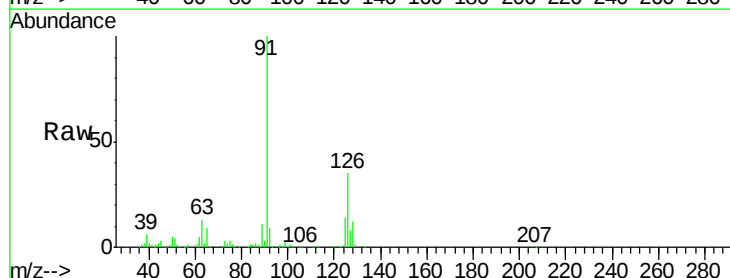
Acq: 11 Mar 2020 12:37

Tgt Ion: 91 Resp: 312743

Ion Ratio Lower Upper

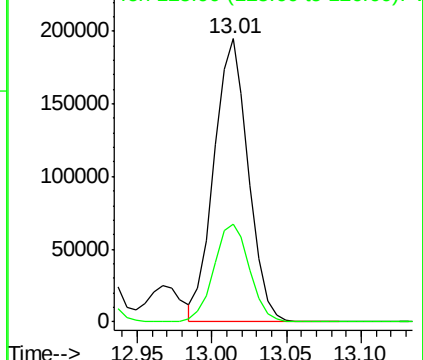
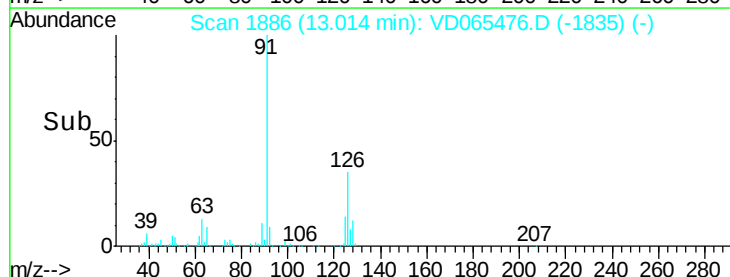
91 100

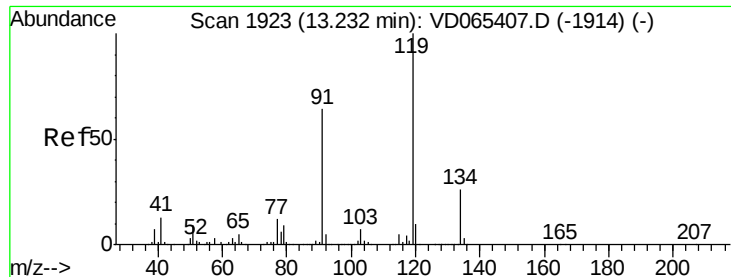
126 35.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

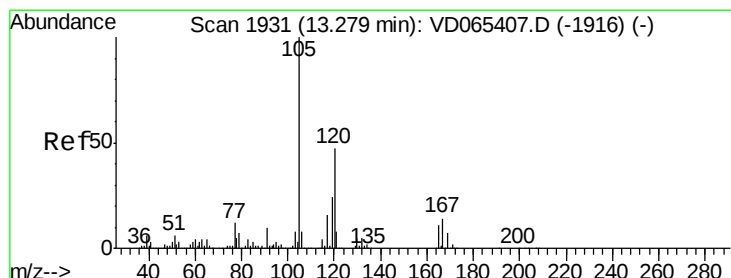
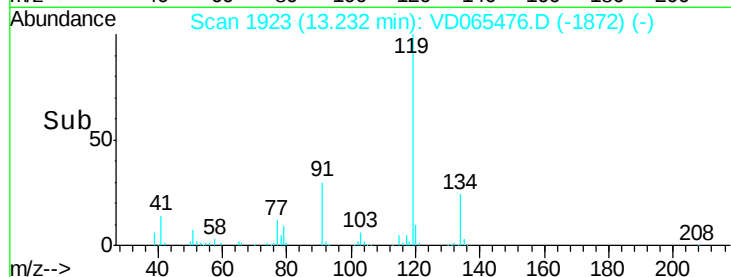
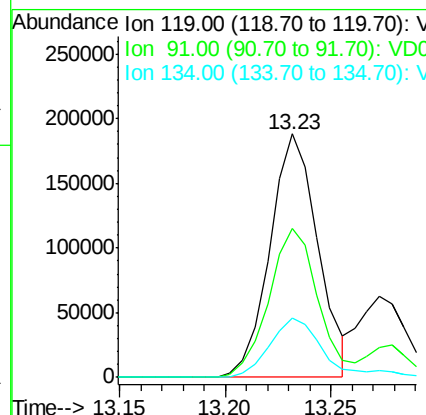
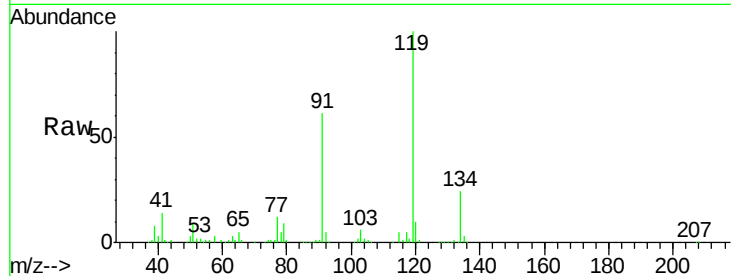




#83
 tert-Butylbenzene
 Concen: 20.58 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

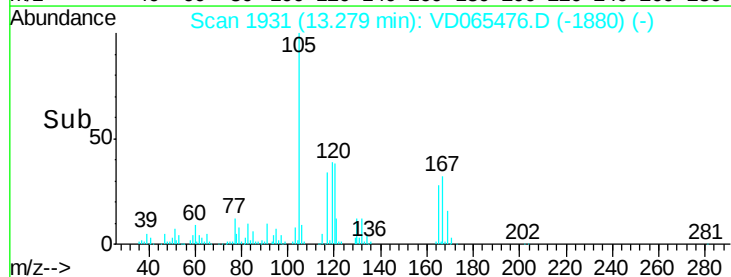
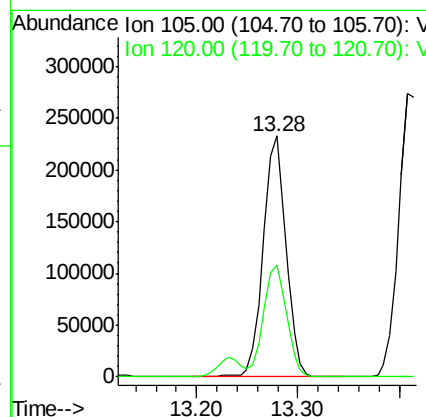
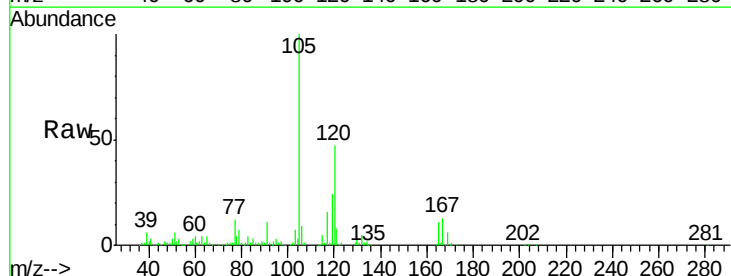
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tgt Ion:119 Resp: 298107
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.6 95.0
 134 27.5 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.58 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion:105 Resp: 364192
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.87 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

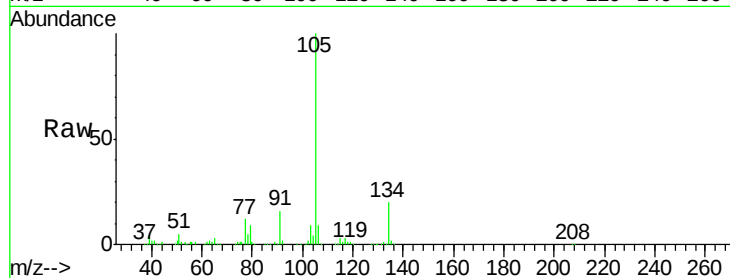
VD0311SBS01

Tgt Ion:105 Resp: 431597

Ion Ratio Lower Upper

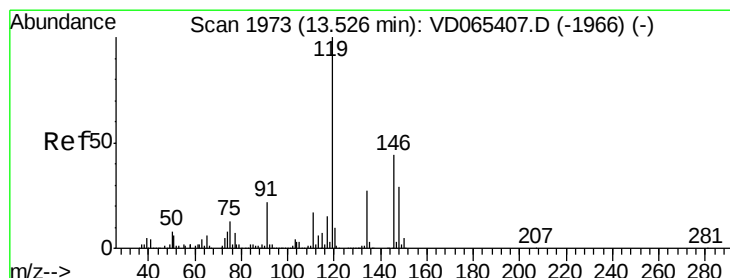
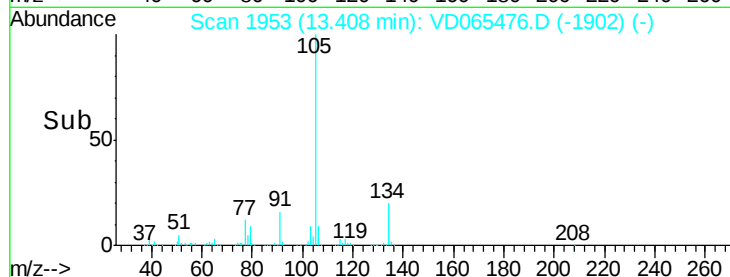
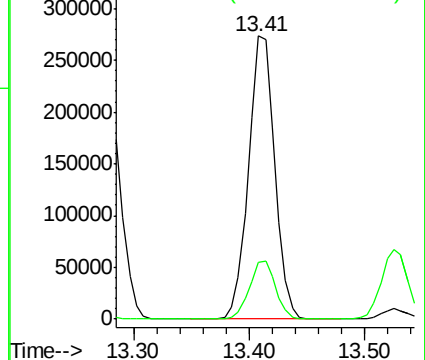
105 100

134 20.6 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: 21.12 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

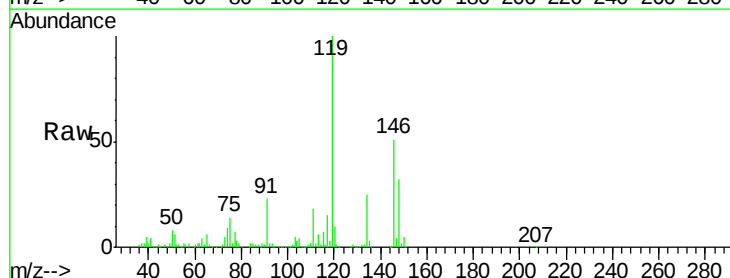
Tgt Ion:119 Resp: 398377

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

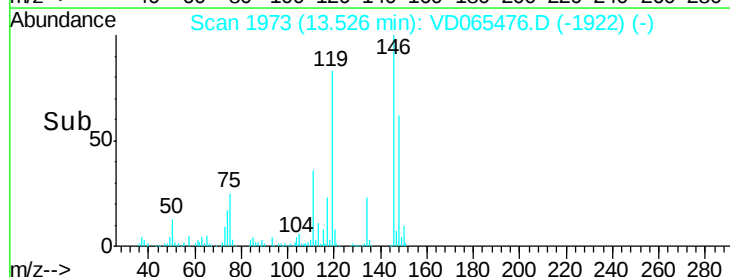
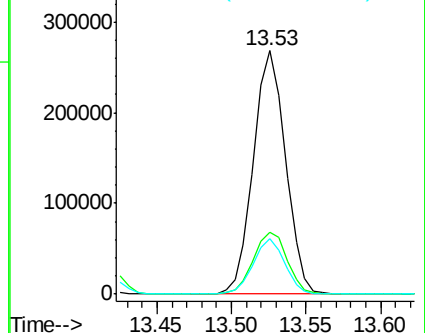
91 22.1 10.9 32.6



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

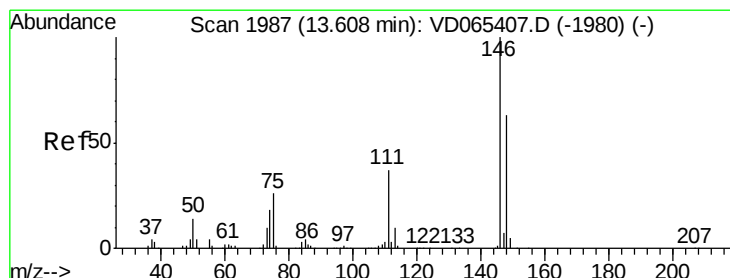
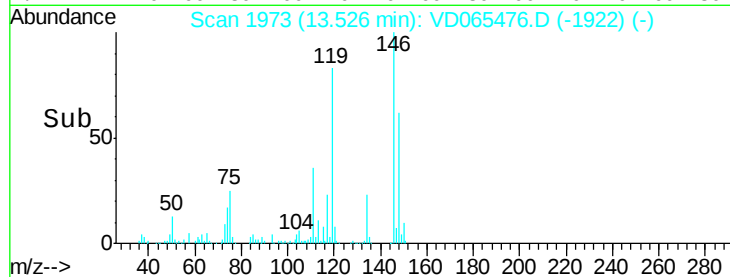
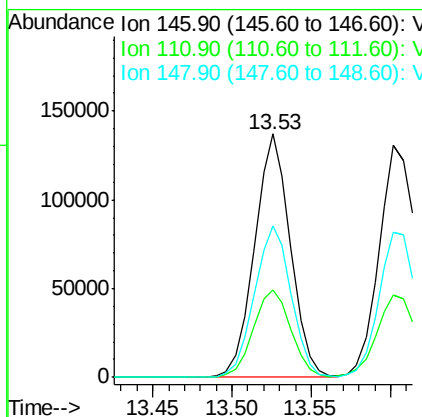
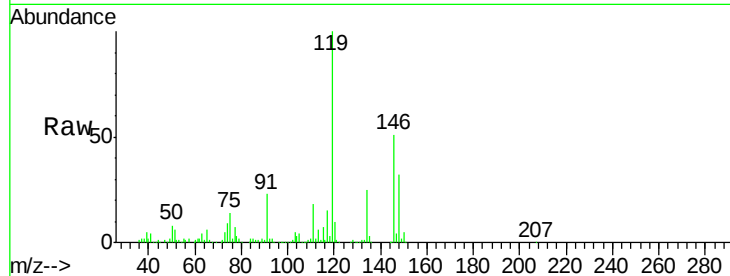




#87
 1,3-Dichlorobenzene
 Concen: 21.59 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

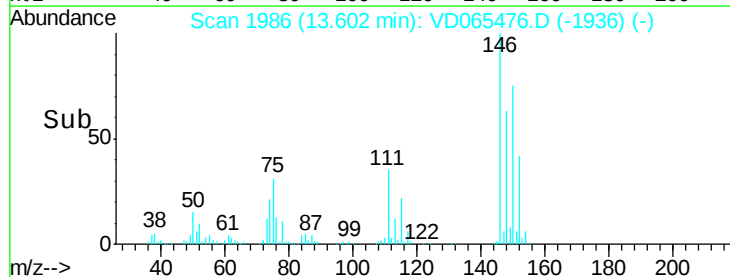
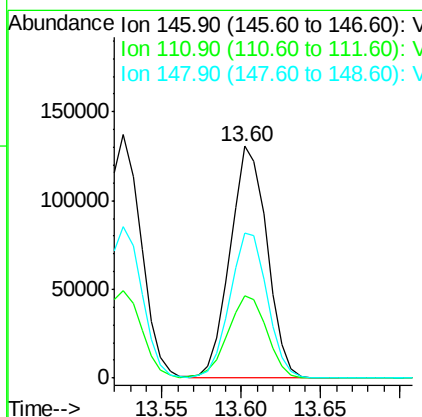
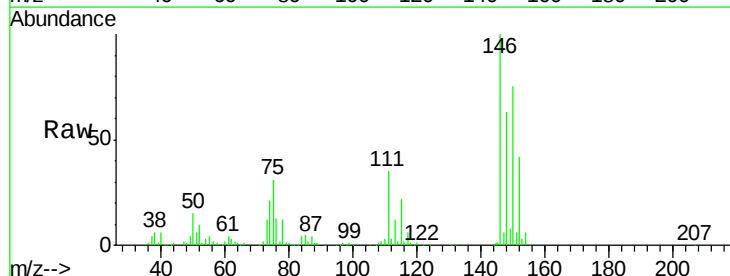
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

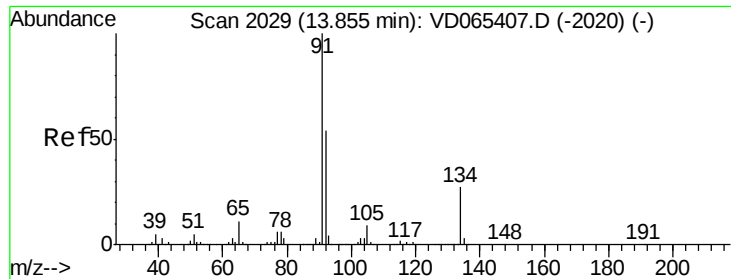
Tgt Ion:146 Resp: 214795
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 64.0 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.37 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion:146 Resp: 211467
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.5 55.5
 148 63.3 32.0 96.0





#89

n-Butylbenzene

Concen: 20.36 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

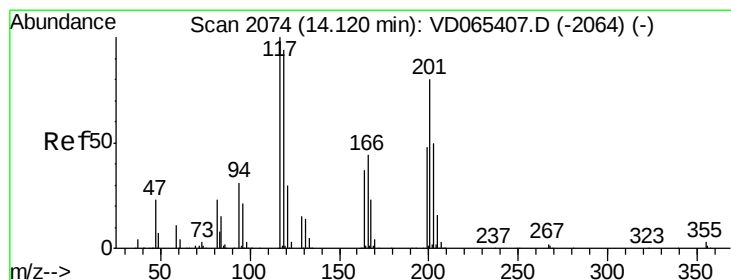
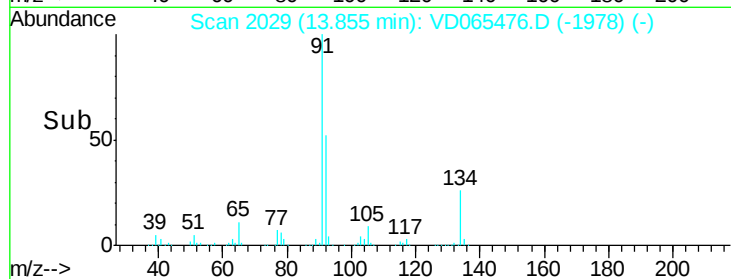
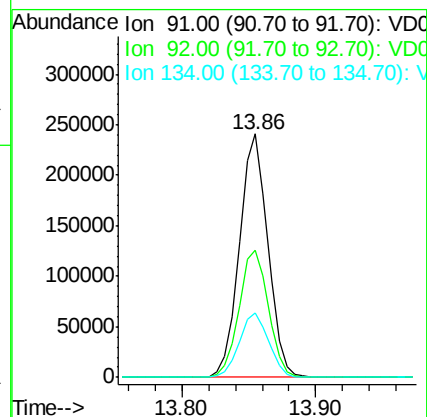
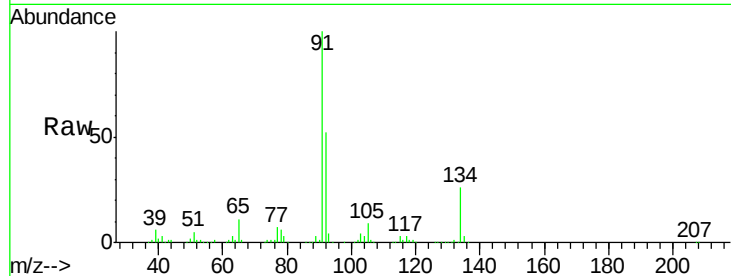
Tgt Ion: 91 Resp: 355057

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.4

134 27.1 13.4 40.2



#90

Hexachloroethane

Concen: 21.09 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065476.D

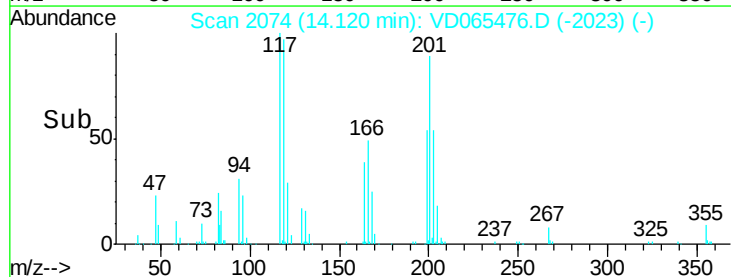
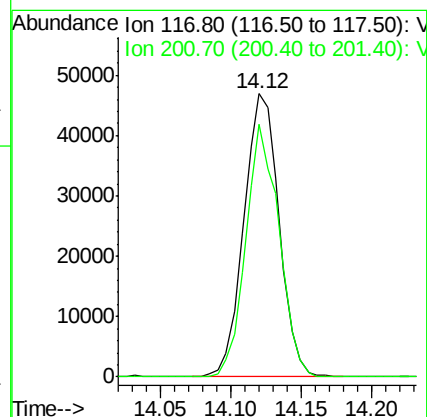
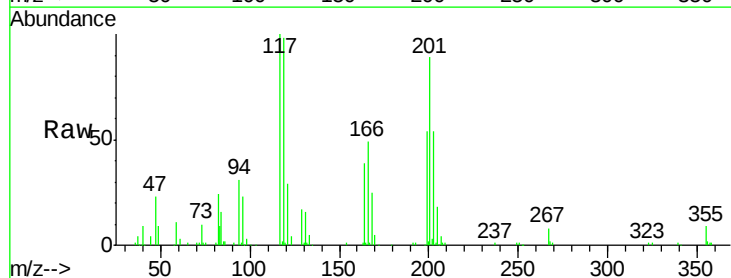
Acq: 11 Mar 2020 12:37

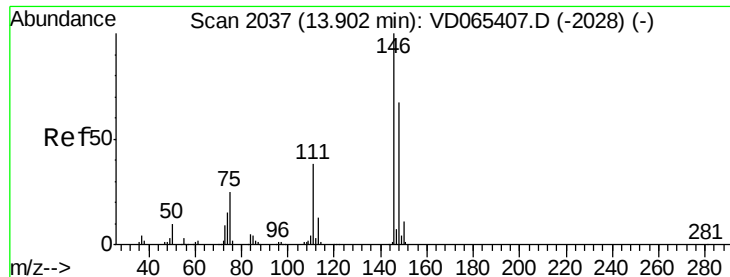
Tgt Ion: 117 Resp: 81924

Ion Ratio Lower Upper

117 100

201 84.2 41.9 125.6

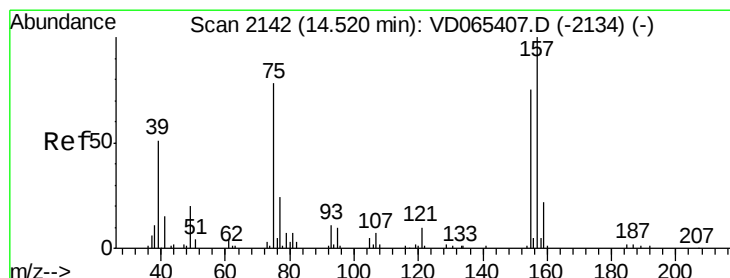
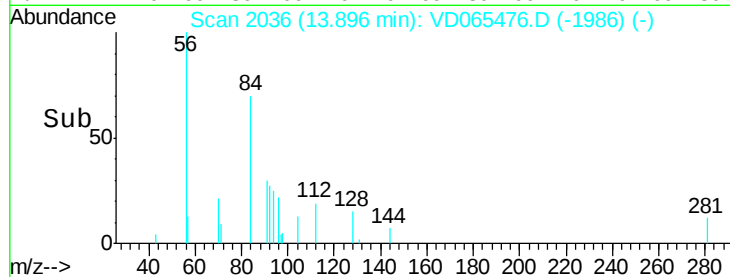
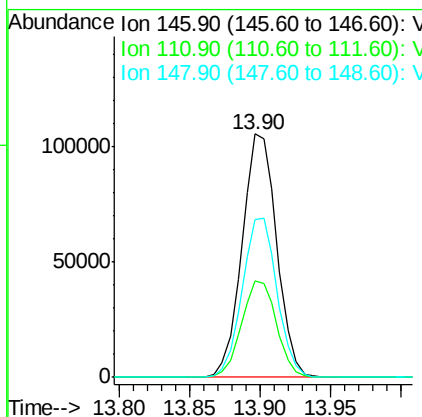
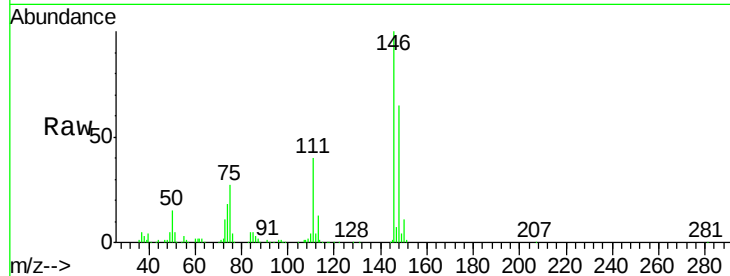




#91
 1,2-Dichlorobenzene
 Concen: 21.40 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

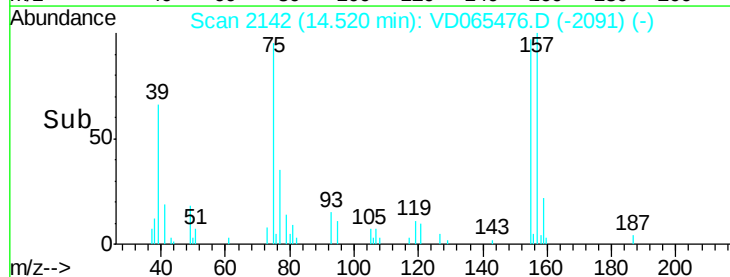
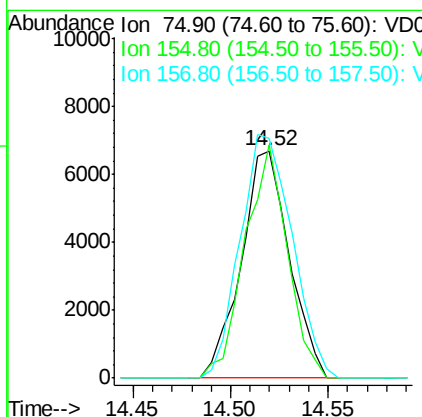
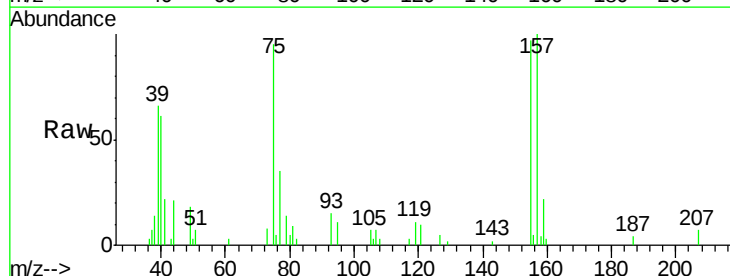
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

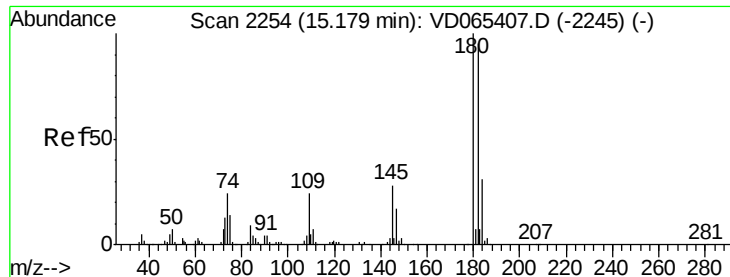
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.3
148	65.6	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.52 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	46.4	139.1
157	116.1	60.2	180.4

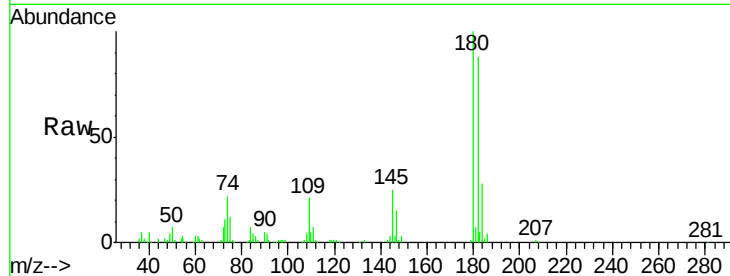




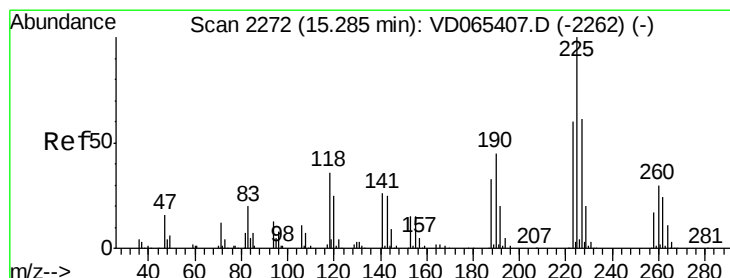
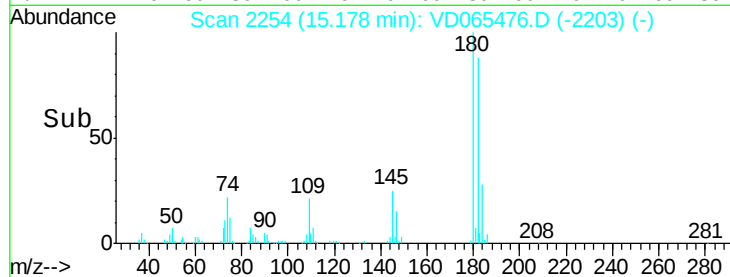
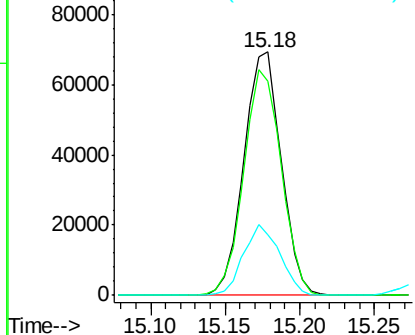
#93
 1,2,4-Trichlorobenzene
 Concen: 20.87 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tgt Ion:180 Resp: 119722
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.3 144.9
 145 28.3 14.4 43.4

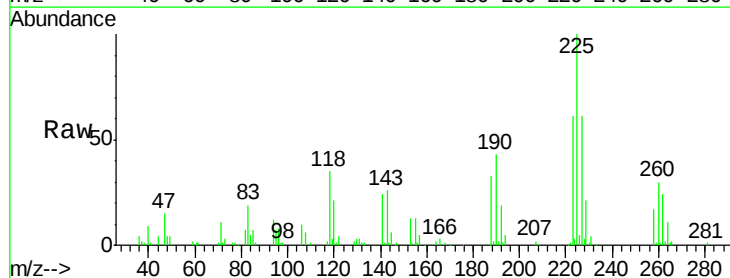


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

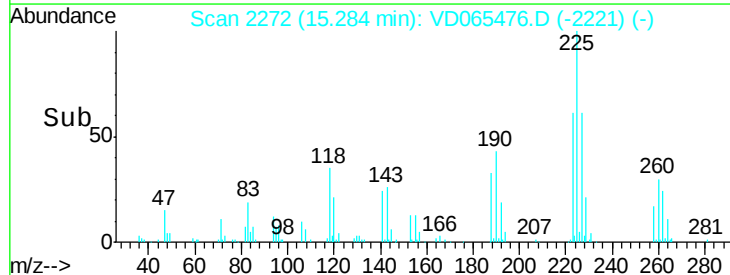
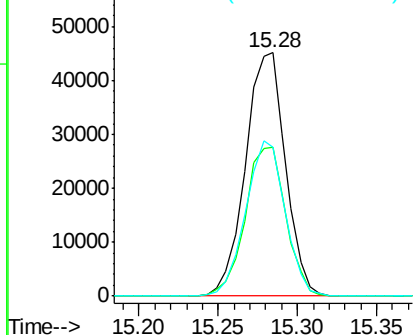


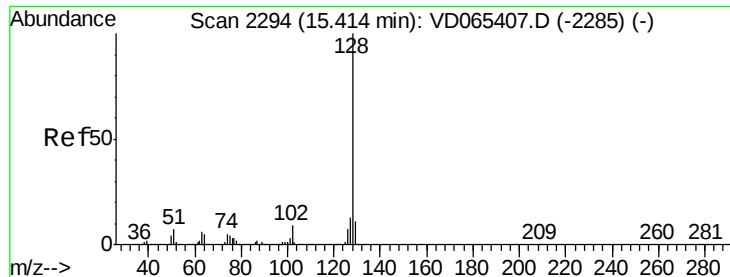
#94
 Hexachlorobutadiene
 Concen: 20.96 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion:225 Resp: 79032
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.5
 227 62.8 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

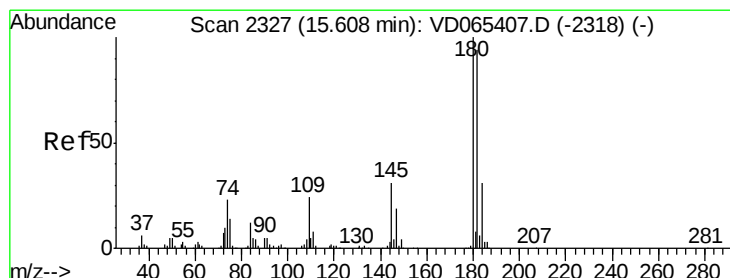
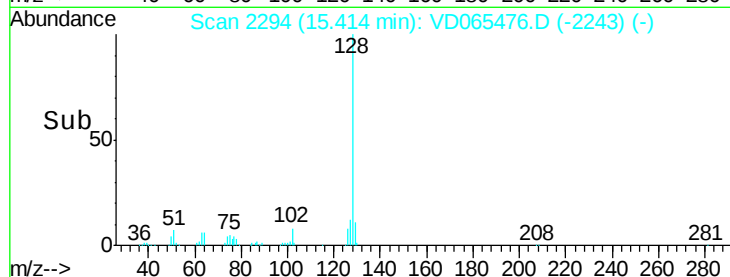
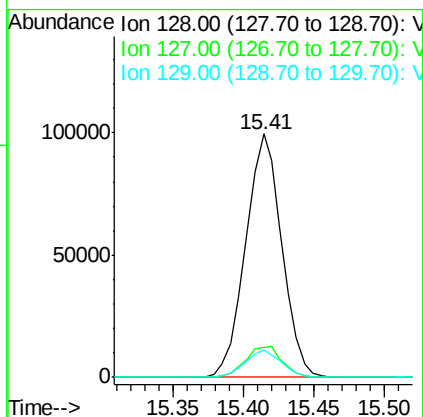
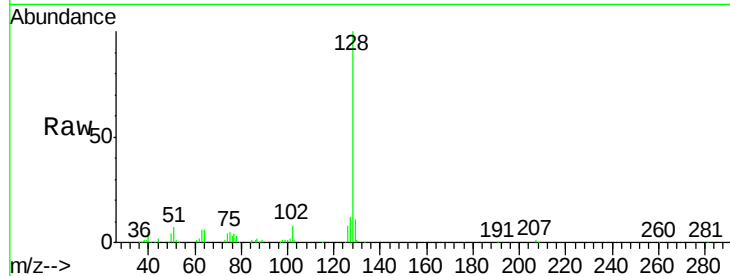




#95
Naphthalene
Concen: 20.37 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tgt Ion:128 Resp: 179021
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.60 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion:180 Resp: 102152
Ion Ratio Lower Upper
180 100
182 94.6 46.9 140.6
145 31.0 15.0 45.1

