

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065426.D
 Acq On : 05 Mar 2020 12:51
 Operator : VA/SY
 Sample : VD0305SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 06 03:47:50 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	7.99	168	503117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	733293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	667755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216171	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.92	113	225007	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	871926	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.64	95	276946	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94220	21.790	ug/l	100
3) Chloromethane	2.21	50	109607	20.996	ug/l	99
4) Vinyl Chloride	2.35	62	105268	20.444	ug/l	99
5) Bromomethane	2.76	94	64129	19.288	ug/l	99
6) Chloroethane	2.92	64	62975	19.969	ug/l	98
7) Trichlorofluoromethane	3.27	101	151394	19.954	ug/l	100
8) Diethyl Ether	3.71	74	48585	21.533	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99675	20.398	ug/l	98
10) Methyl Iodide	4.30	142	98987	19.499	ug/l	97
11) Tert butyl alcohol	5.24	59	22930	92.628	ug/l	96
12) 1,1-Dichloroethene	4.06	96	92910	19.857	ug/l	95
13) Acrolein	3.92	56	41914	98.176	ug/l	98
14) Allyl chloride	4.71	41	142277	19.794	ug/l	99
15) Acrylonitrile	5.43	53	103211	105.149	ug/l	97
16) Acetone	4.17	43	92729	106.241	ug/l	96
17) Carbon Disulfide	4.40	76	310078	19.900	ug/l	98
18) Methyl Acetate	4.72	43	47273	21.352	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	190936	21.220	ug/l	98
20) Methylene Chloride	4.96	84	124153	24.426	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	102234	19.641	ug/l	100
22) Diisopropyl ether	6.37	45	285349	21.356	ug/l	98
23) Vinyl Acetate	6.31	43	786301	105.983	ug/l	100
24) 1,1-Dichloroethane	6.26	63	172719	20.153	ug/l	97
25) 2-Butanone	7.23	43	124563	104.579	ug/l	100
26) 2,2-Dichloropropane	7.21	77	146355	19.541	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	106447	20.008	ug/l	98
28) Bromochloromethane	7.55	49	73205	21.349	ug/l	99
29) Tetrahydrofuran	7.57	42	82304	108.203	ug/l	99
30) Chloroform	7.71	83	176029	20.549	ug/l	95
31) Cyclohexane	7.99	56	167128	19.502	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	157251	19.864	ug/l	98
36) 1,1-Dichloropropene	8.11	75	139285	19.816	ug/l	97
37) Ethyl Acetate	7.30	43	56790	20.903	ug/l	97
38) Carbon Tetrachloride	8.10	117	146912	20.155	ug/l	98

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 MSVOA_D
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Quant Time: Mar 06 03:47:50 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)
39) Methylcyclohexane	9.36	83	163931	19.310	ug/l	93
40) Benzene	8.36	78	400687	20.388	ug/l	100
41) Methacrylonitrile	7.53	41	31137	21.671	ug/l	86
42) 1,2-Dichloroethane	8.43	62	108266	21.097	ug/l	100
43) Isopropyl Acetate	8.46	43	106526	21.235	ug/l	99
44) Trichloroethene	9.11	130	113271	20.409	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100417	21.093	ug/l	94
46) Dibromomethane	9.48	93	51558	20.879	ug/l	96
47) Bromodichloromethane	9.66	83	130992	20.391	ug/l	96
48) Methyl methacrylate	9.46	41	49069	20.795	ug/l	99
49) 1,4-Dioxane	9.46	88	11244	398.077	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	273157	108.207	ug/l	99
52) Toluene	10.41	92	258487	20.878	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125530	20.910	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	153362	21.105	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	73833	21.111	ug/l	95
56) Ethyl methacrylate	10.67	69	81861	20.762	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126627	21.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	127731	104.929	ug/l	100
59) 2-Hexanone	10.99	43	190201	108.842	ug/l	98
60) Dibromochloromethane	11.14	129	96010	21.416	ug/l	100
61) 1,2-Dibromoethane	11.25	107	69628	20.872	ug/l	100
64) Tetrachloroethene	10.88	164	96201	20.105	ug/l	96
65) Chlorobenzene	11.67	112	267878	20.272	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	100393	20.860	ug/l	96
67) Ethyl Benzene	11.75	91	459046	20.105	ug/l	100
68) m/p-Xylenes	11.86	106	361037	41.009	ug/l	98
69) o-Xylene	12.18	106	157418	20.327	ug/l	99
70) Styrene	12.20	104	285042	20.914	ug/l	100
71) Bromoform	12.37	173	56152	20.772	ug/l #	98
73) Isopropylbenzene	12.48	105	425697	19.330	ug/l	99
74) N-amyl acetate	12.30	43	90839	20.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	81687	21.102	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	103668	39.238	ug/l #	100
77) Bromobenzene	12.77	156	111098	20.305	ug/l	98
78) n-propylbenzene	12.83	91	523466	20.033	ug/l	99
79) 2-Chlorotoluene	12.91	91	295730	20.081	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	366523	20.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25713	20.538	ug/l	98
82) 4-Chlorotoluene	13.01	91	310511	20.065	ug/l	99
83) tert-Butylbenzene	13.23	119	300180	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	362279	20.300	ug/l	100
85) sec-Butylbenzene	13.41	105	430985	19.712	ug/l	100
86) p-Isopropyltoluene	13.53	119	394440	19.771	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	208827	19.851	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205305	19.620	ug/l	98
89) n-Butylbenzene	13.86	91	354955	19.244	ug/l	100
90) Hexachloroethane	14.12	117	79886	19.444	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	180126	20.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12294	20.853	ug/l	95

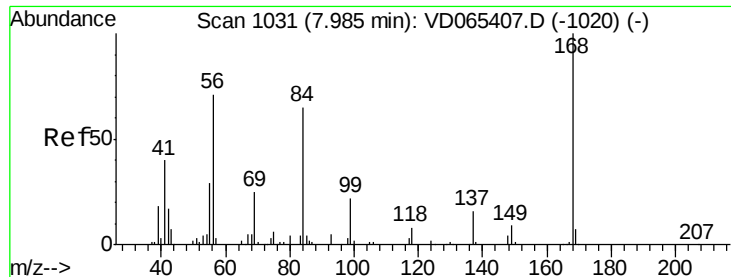
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122371	20.169	ug/l	97
94) Hexachlorobutadiene	15.28	225	78177	19.610	ug/l	98
95) Naphthalene	15.41	128	190649	20.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	107527	20.509	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

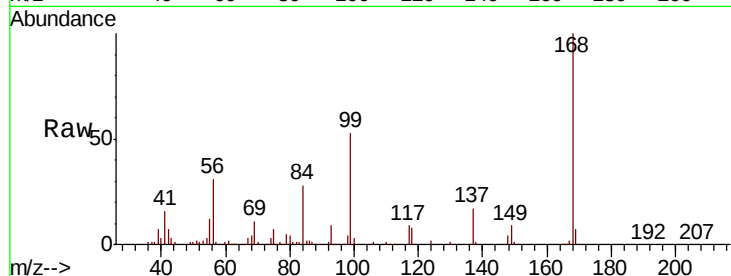
ClientSampleId :

Tot Ion:168 Resp: 503117

Ion Ratio Lower Upper

168 100

99 52.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

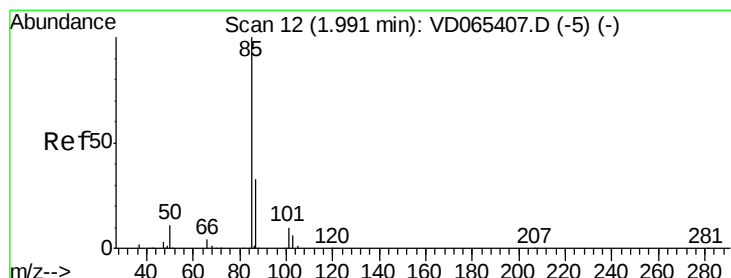
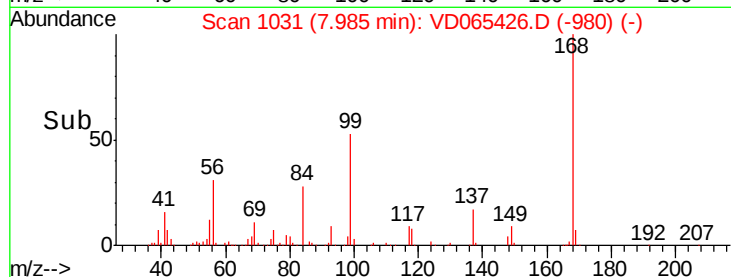
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.790 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065426.D

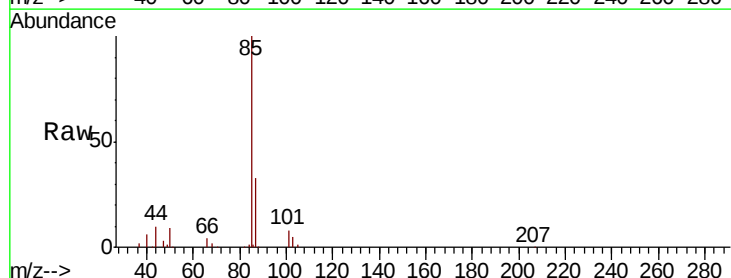
Acq: 05 Mar 2020 12:51

Tgt Ion: 85 Resp: 94220

Ion Ratio Lower Upper

85 100

87 32.9 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

60000

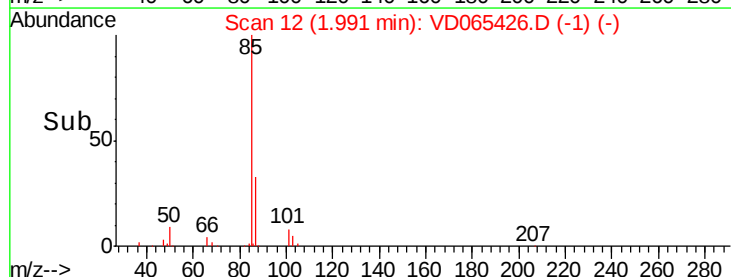
40000

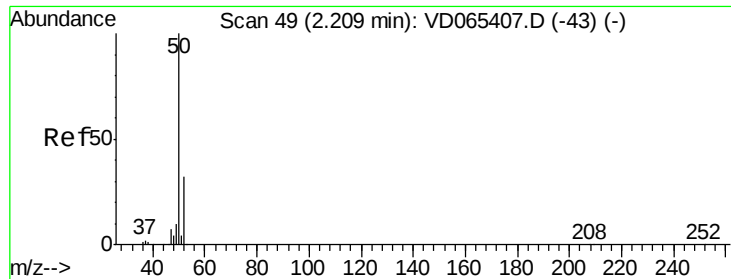
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.996 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

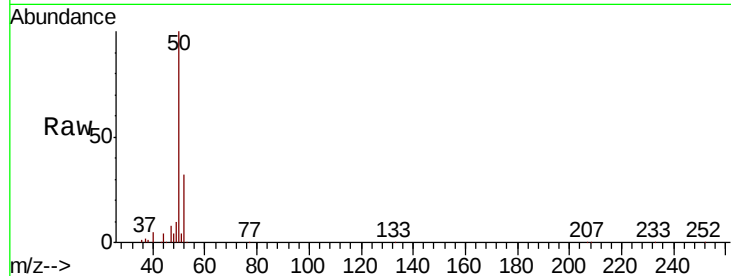
ClientSampleId :

Tot Ion: 50 Resp: 109607

Ion Ratio Lower Upper

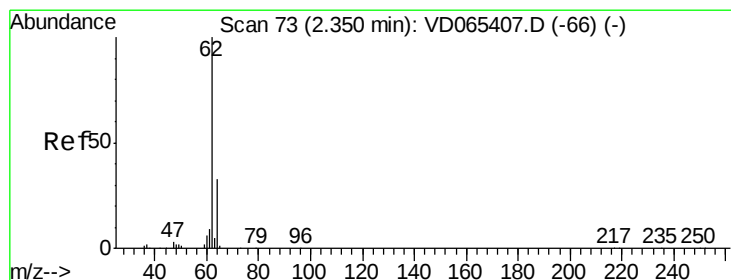
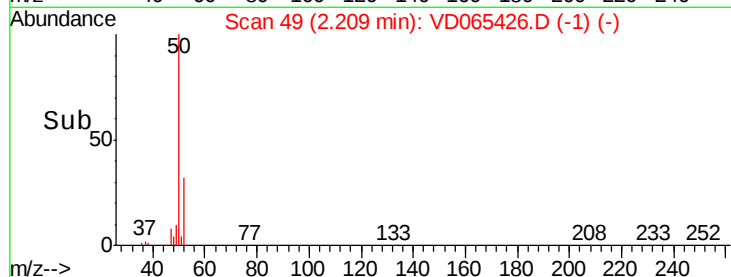
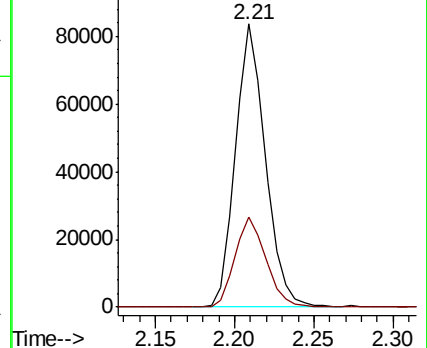
50 100

52 31.7 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: 20.444 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065426.D

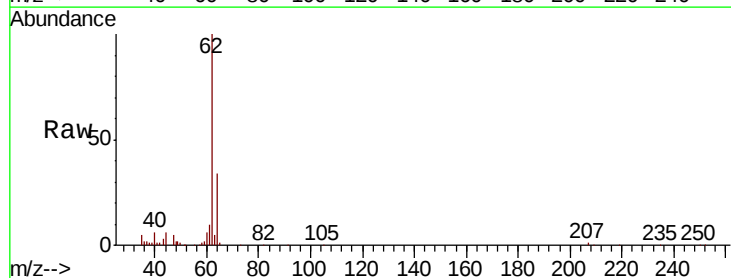
Acq: 05 Mar 2020 12:51

Tgt Ion: 62 Resp: 105268

Ion Ratio Lower Upper

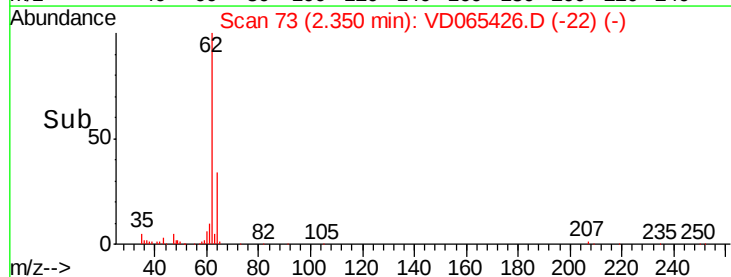
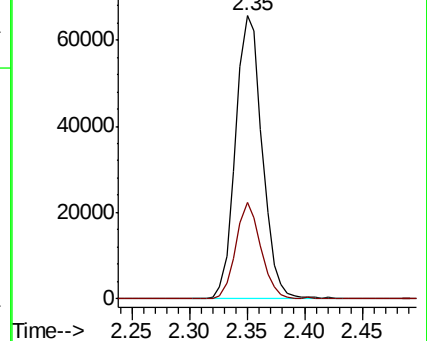
62 100

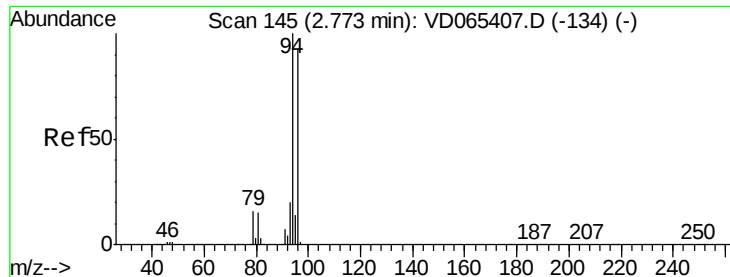
64 34.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.288 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

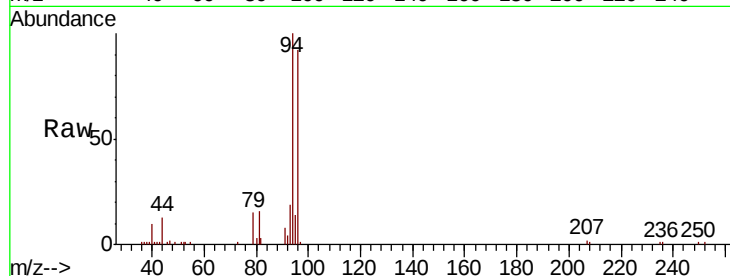
ClientSampled :

Tot Ion: 94 Resp: 64129

Ion Ratio Lower Upper

94 100

96 91.7 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

25000

20000

15000

10000

5000

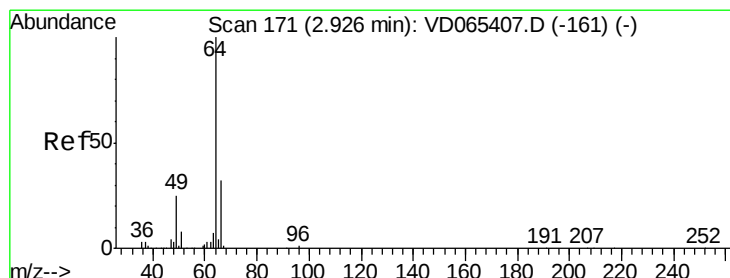
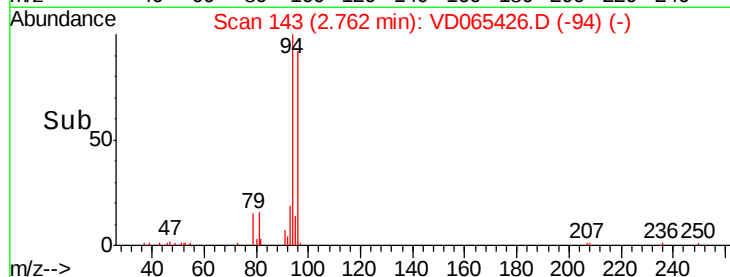
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 19.969 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065426.D

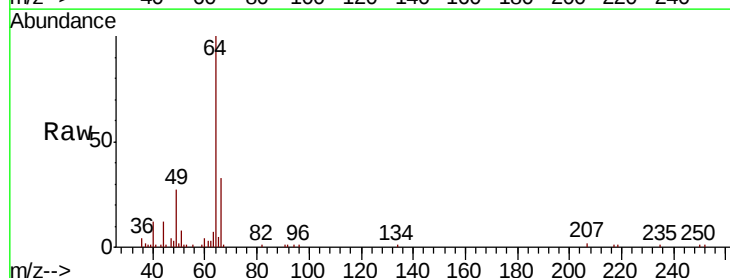
Acq: 05 Mar 2020 12:51

Tgt Ion: 64 Resp: 62975

Ion Ratio Lower Upper

64 100

66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

20000

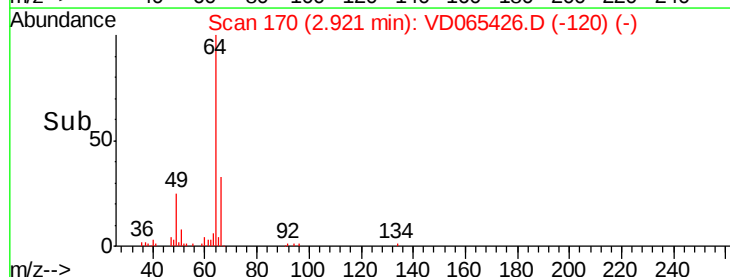
10000

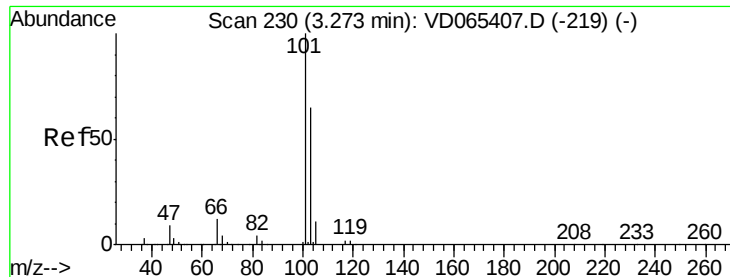
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Time-->

2.90

3.00



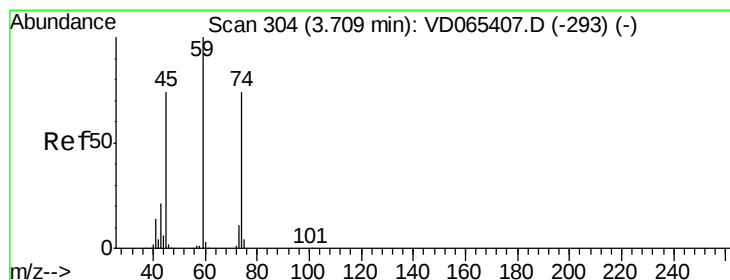
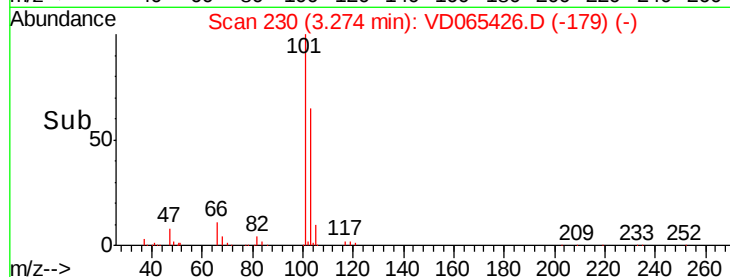
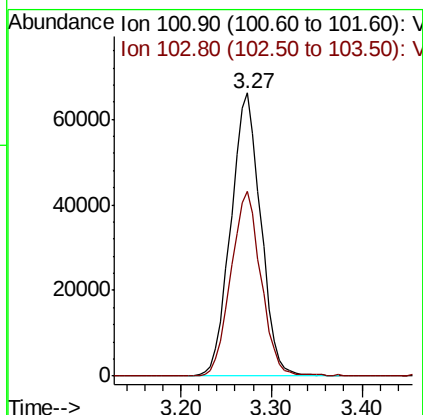
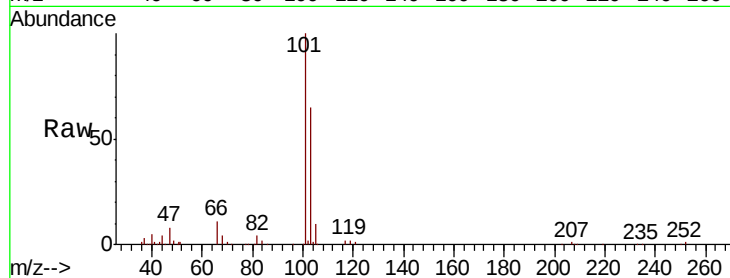


#7

Trichlorofluoromethane
 Concen: 19.954 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :

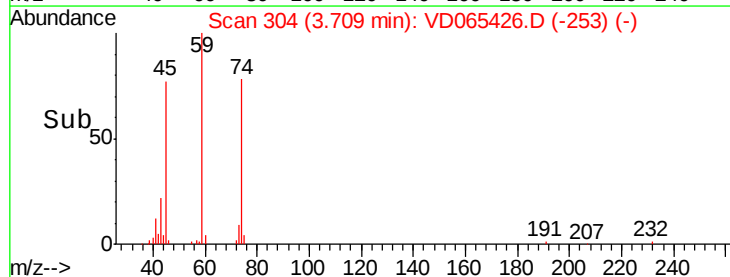
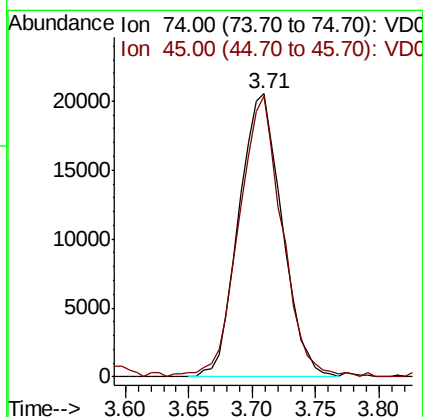
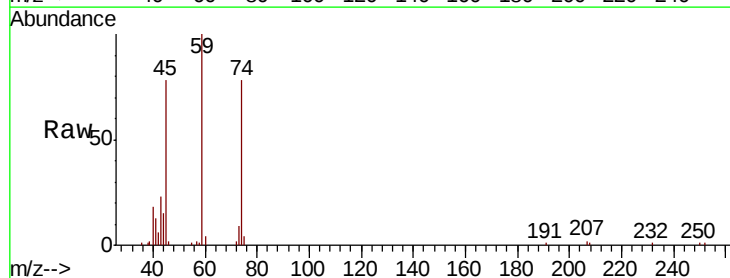
Tot Ion:101 Resp: 151394
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.1 78.1

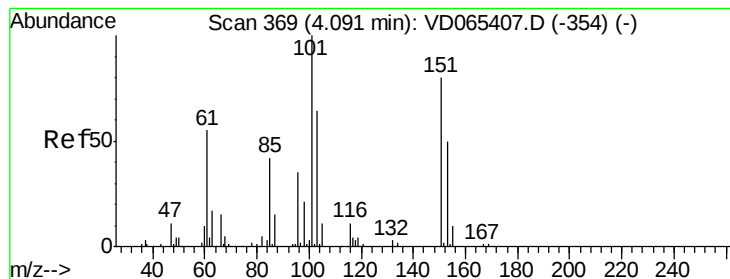


#8

Diethyl Ether
 Concen: 21.533 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion: 74 Resp: 48585
 Ion Ratio Lower Upper
 74 100
 45 99.1 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.398 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

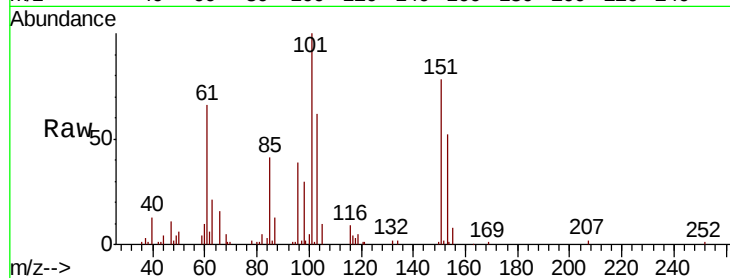
Tot Ion:101 Resp: 99675

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

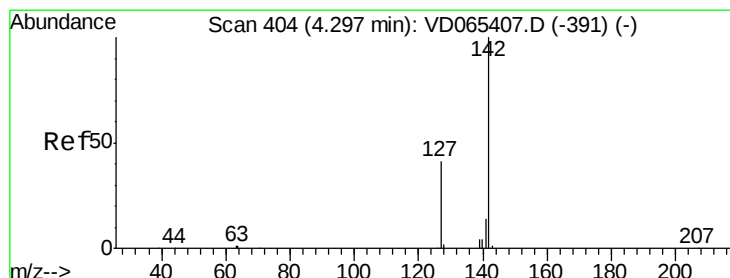
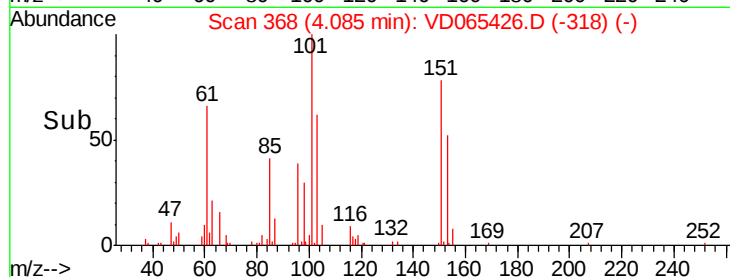
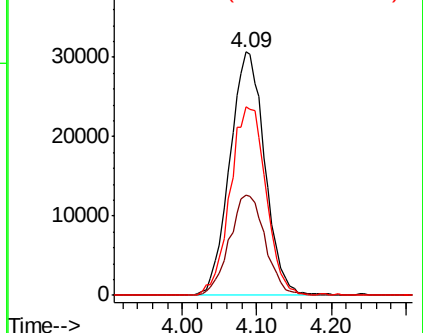
151 79.2 65.1 97.7



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: 19.499 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

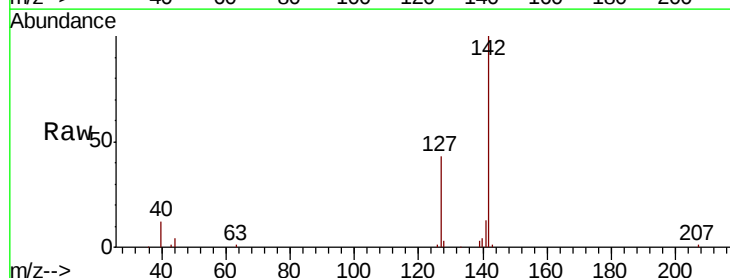
Tgt Ion:142 Resp: 98987

Ion Ratio Lower Upper

142 100

127 41.7 35.0 52.6

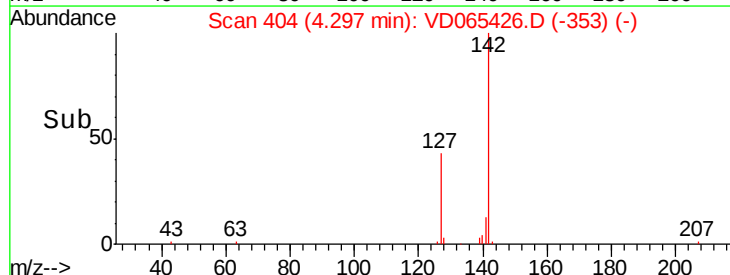
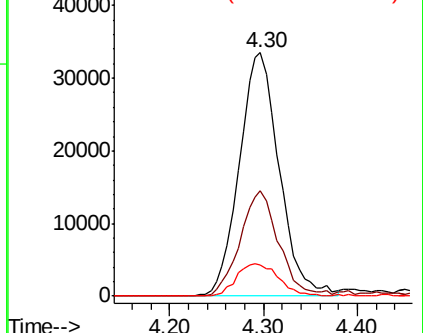
141 14.0 12.4 18.6

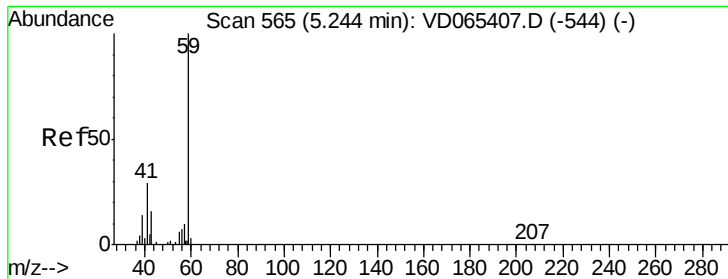


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



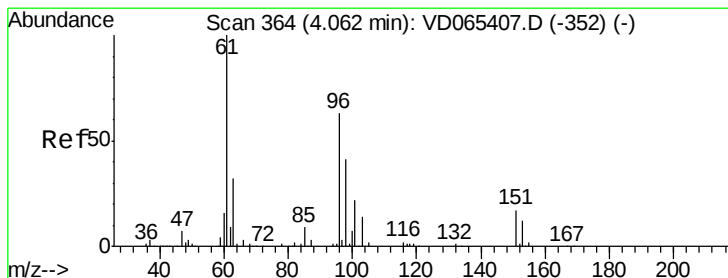
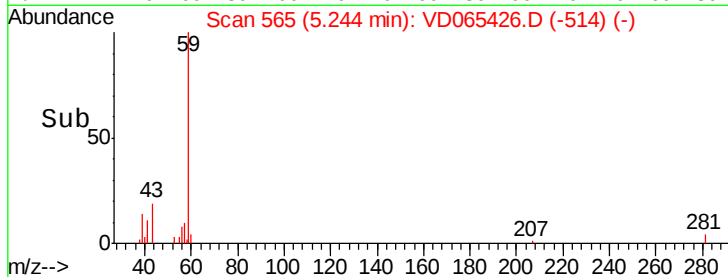
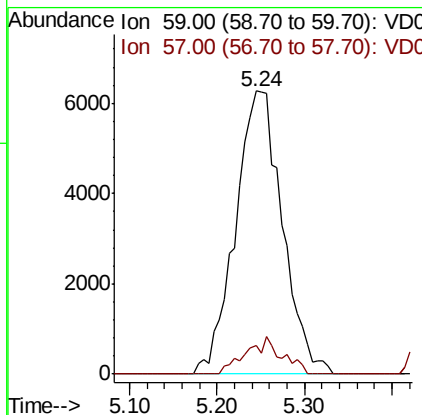
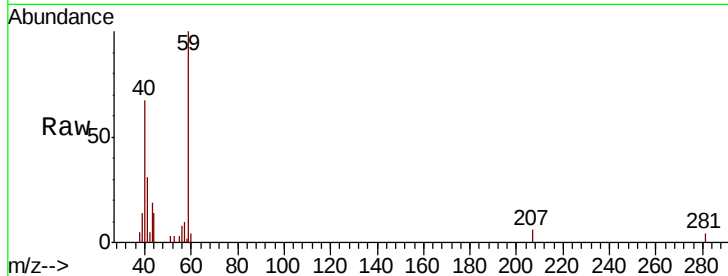


#11

Tert butyl alcohol
 Concen: 92.628 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :

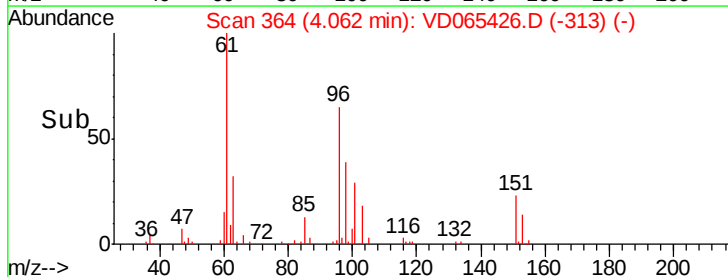
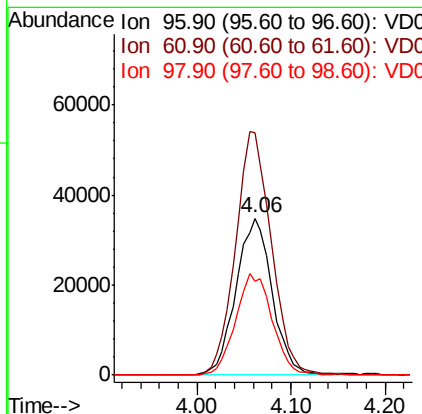
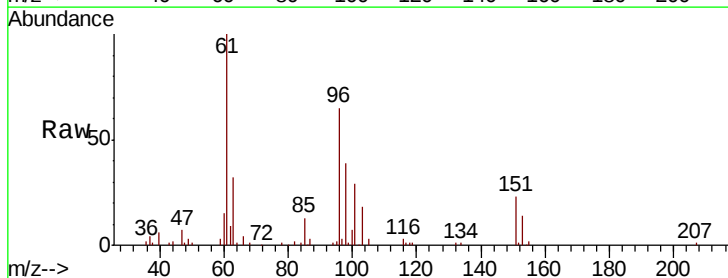
Tot Ion: 59 Resp: 22930
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.9 10.3

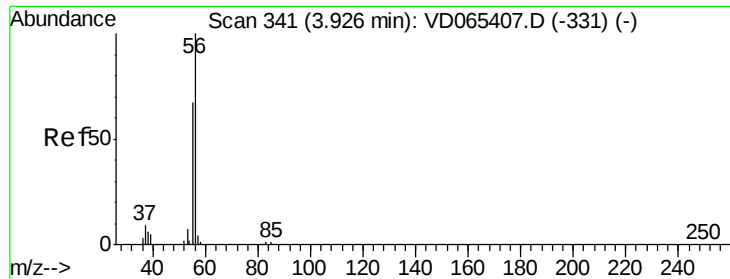


#12

1,1-Dichloroethene
 Concen: 19.857 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion: 96 Resp: 92910
 Ion Ratio Lower Upper
 96 100
 61 154.2 128.0 192.0
 98 60.2 51.9 77.9





#13

Acrolein

Concen: 98.176 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

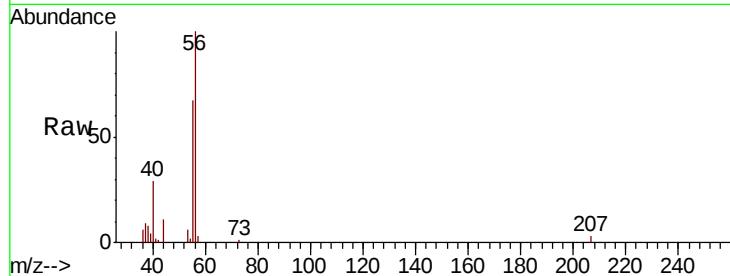
ClientSampled :

Tot Ion: 56 Resp: 41914

Ion Ratio Lower Upper

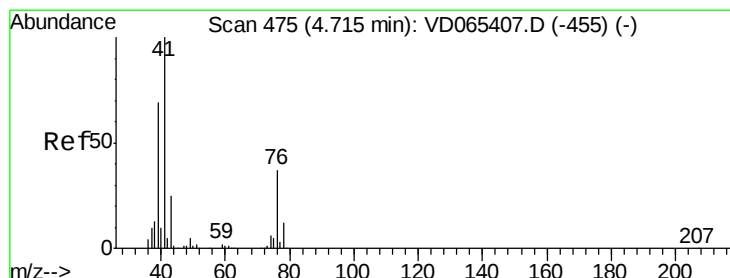
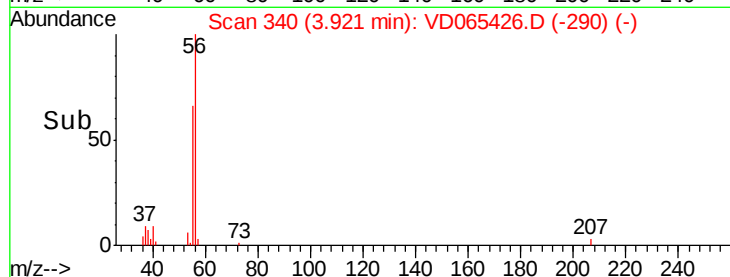
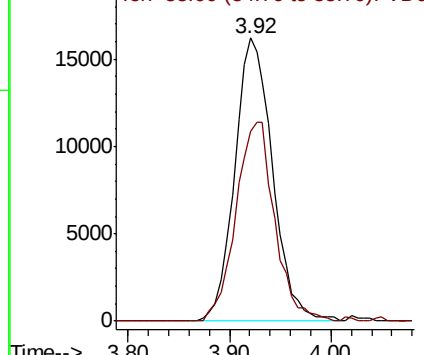
56 100

55 72.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.794 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

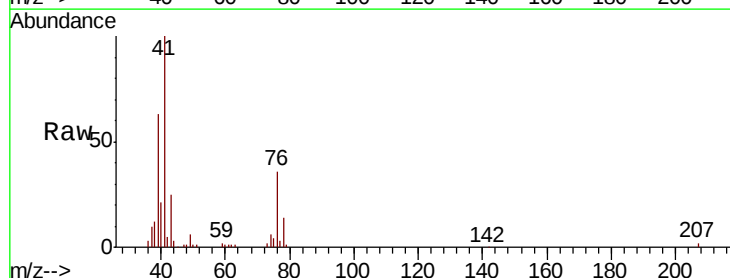
Tgt Ion: 41 Resp: 142277

Ion Ratio Lower Upper

41 100

39 65.2 52.6 79.0

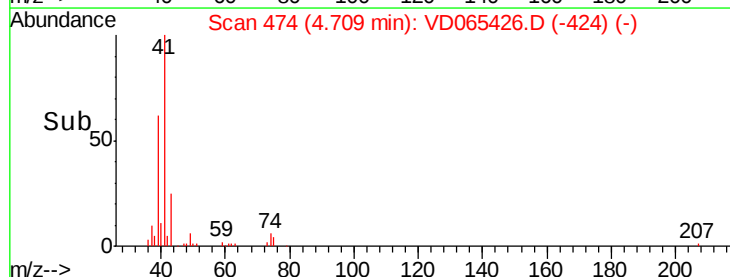
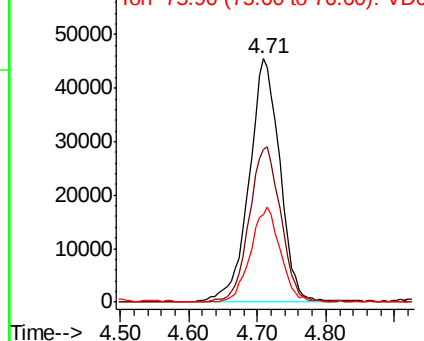
76 37.7 29.2 43.8

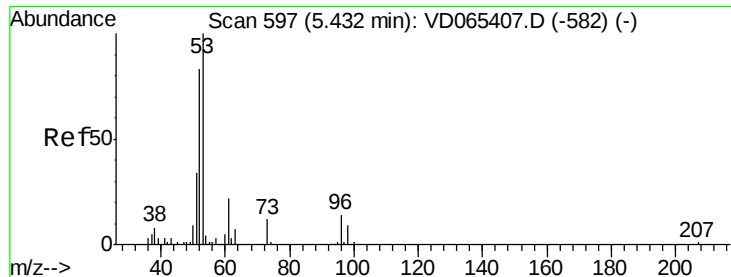


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.149 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

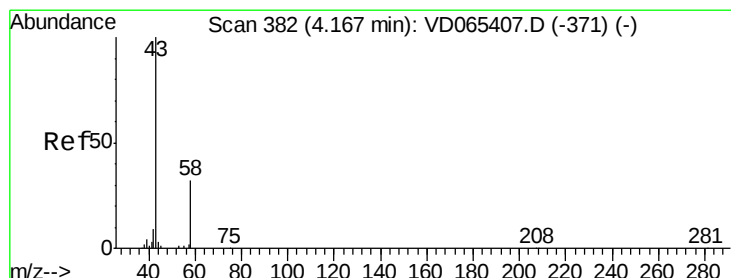
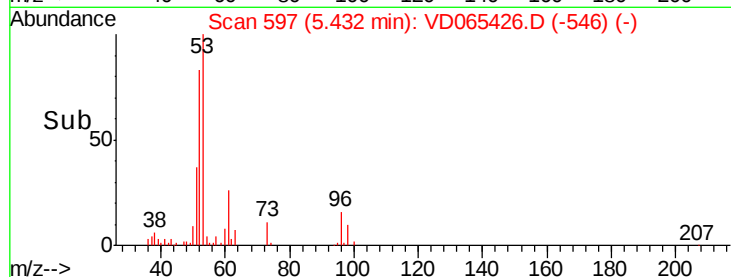
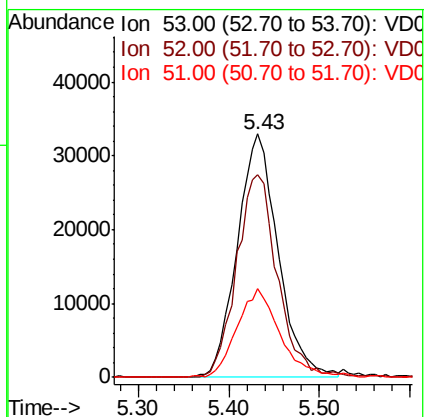
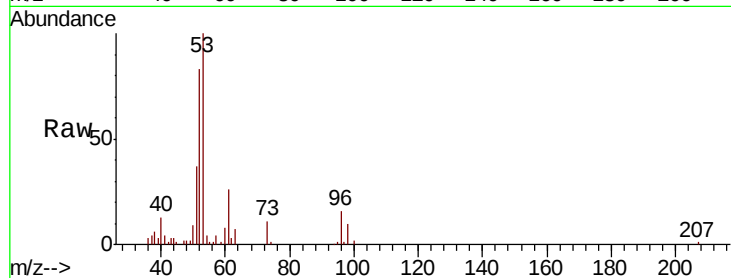
Tot Ion: 53 Resp: 103211

Ion Ratio Lower Upper

53 100

52 83.8 65.1 97.7

51 38.1 28.5 42.7



#16

Acetone

Concen: 106.241 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065426.D

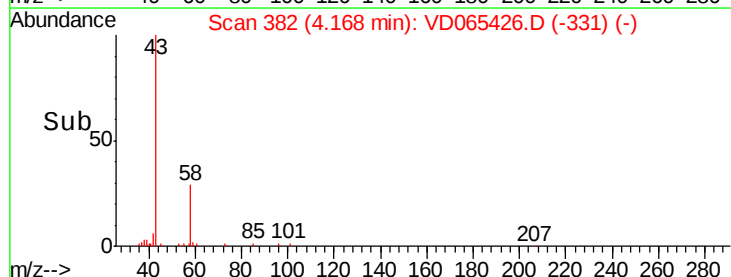
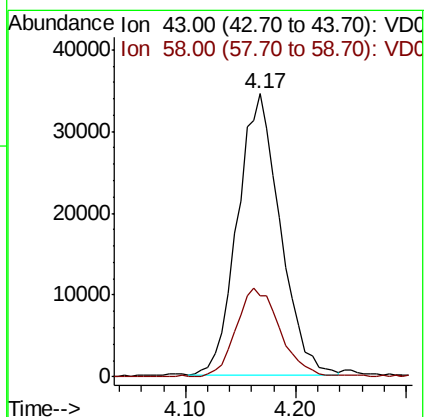
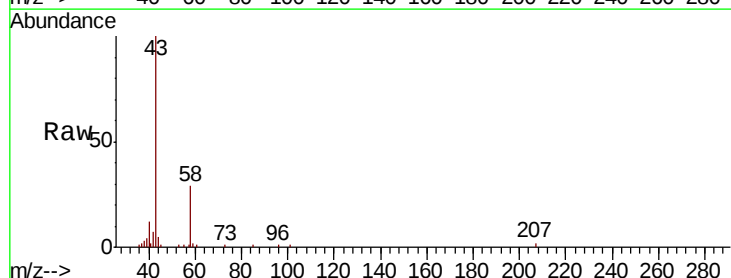
Acq: 05 Mar 2020 12:51

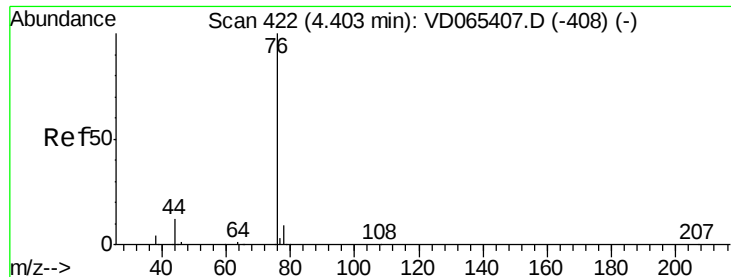
Tgt Ion: 43 Resp: 92729

Ion Ratio Lower Upper

43 100

58 29.1 25.1 37.7

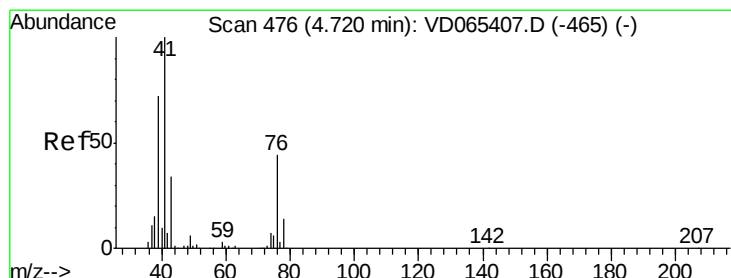
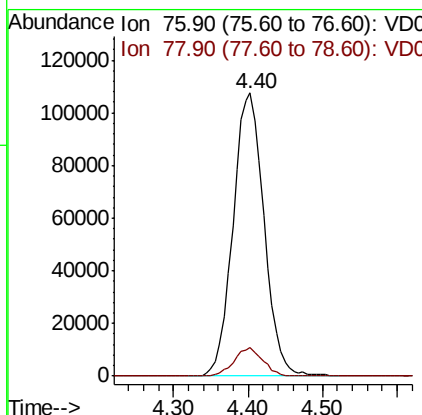
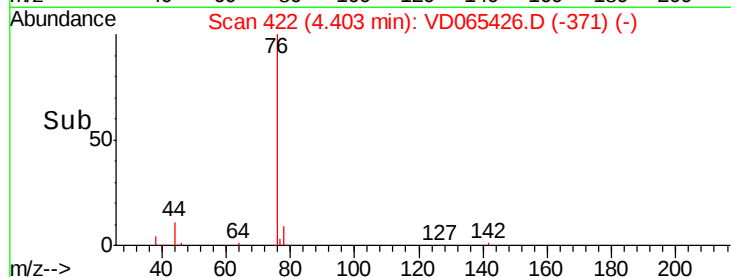
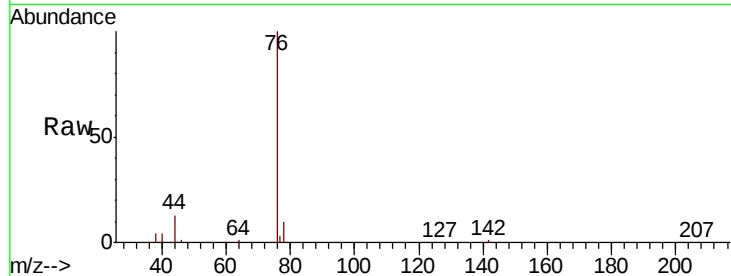




#17
Carbon Disulfide
Concen: 19.900 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

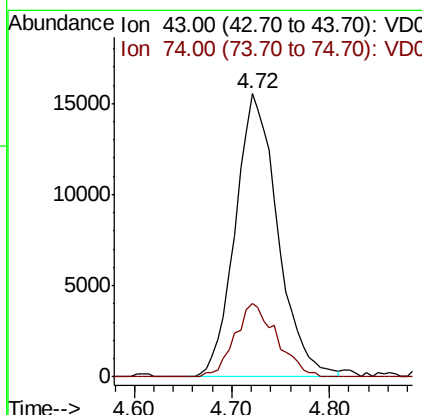
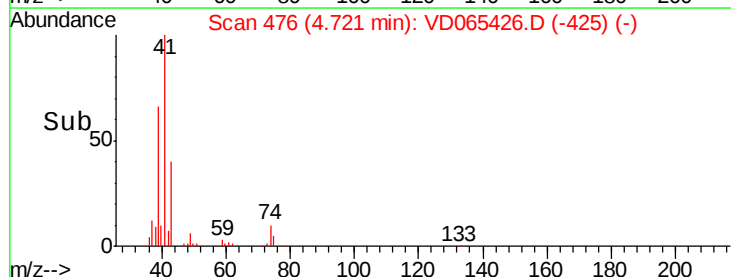
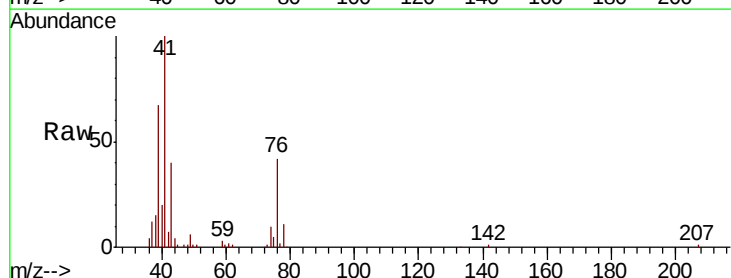
Instrument :
MSVOA_D
ClientSampleId :

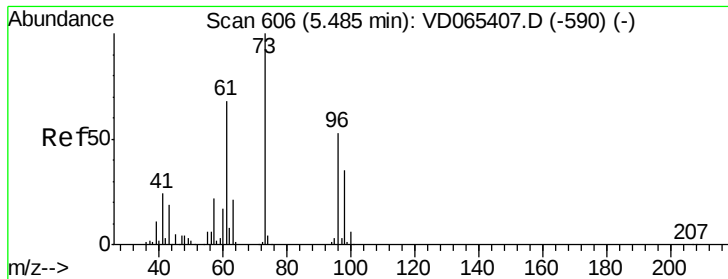
Tot Ion: 76 Resp: 310078
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#18
Methyl Acetate
Concen: 21.352 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 43 Resp: 47273
Ion Ratio Lower Upper
43 100
74 25.5 19.6 29.4

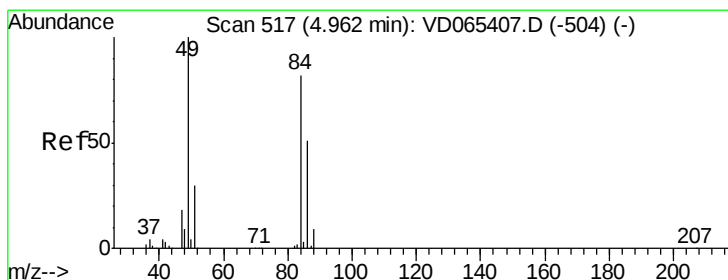
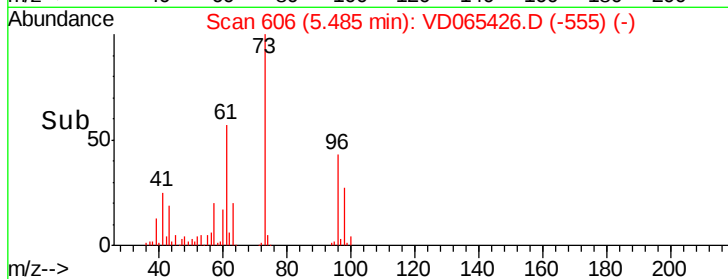
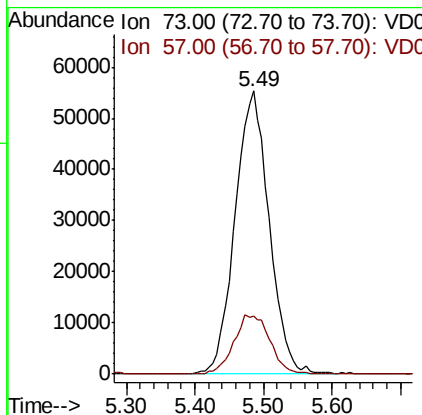
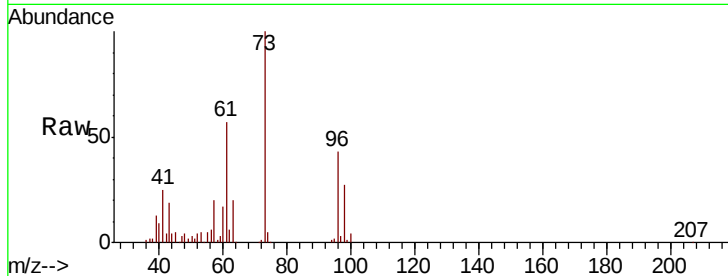




#19
Methyl tert-butyl Ether
Concen: 21.220 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

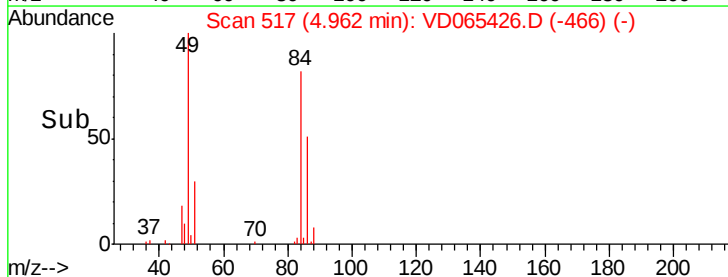
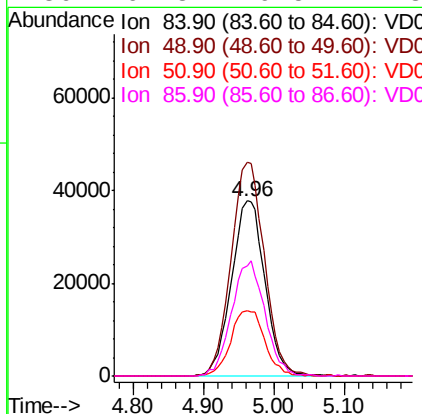
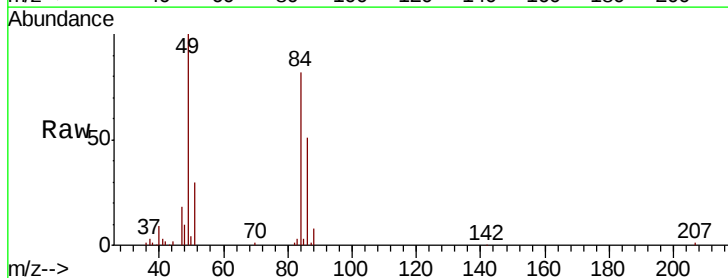
Instrument :
MSVOA_D
ClientSampled :

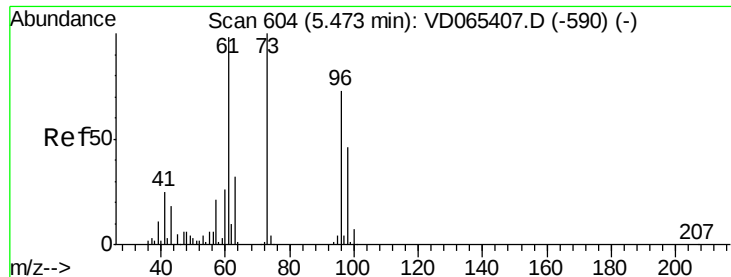
Tot Ion: 73 Resp: 190936
Ion Ratio Lower Upper
73 100
57 20.5 17.3 25.9



#20
Methylene Chloride
Concen: 24.426 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 84 Resp: 124153
Ion Ratio Lower Upper
84 100
49 122.2 97.7 146.5
51 37.0 28.8 43.2
86 62.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.641 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampled :

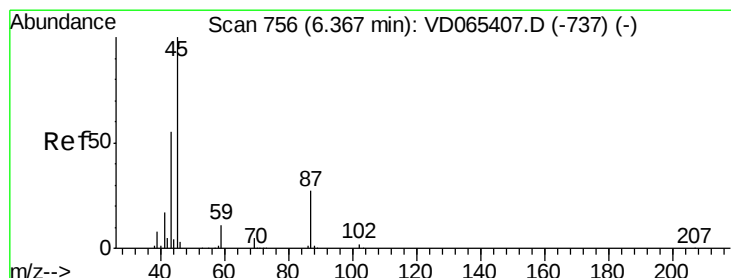
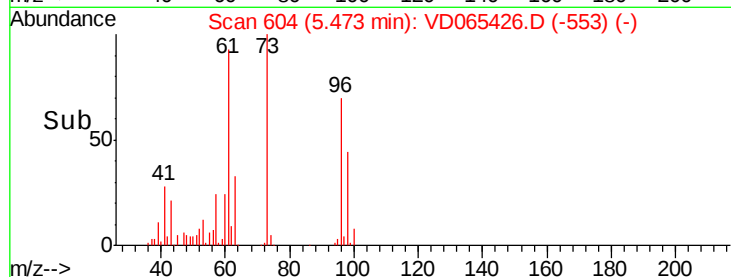
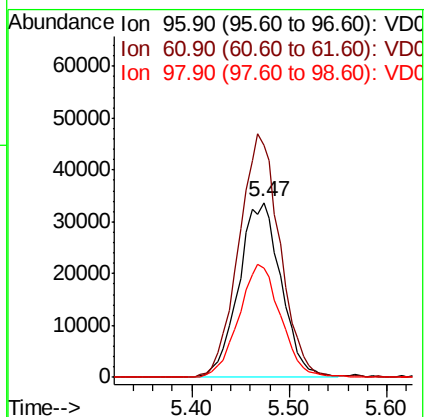
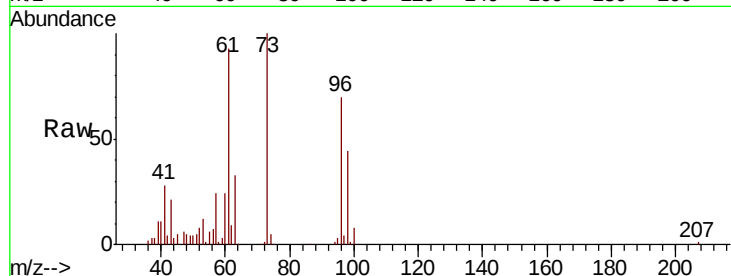
Tot Ion: 96 Resp: 102234

Ion Ratio Lower Upper

96 100

61 132.9 106.3 159.5

98 62.7 50.2 75.4



#22

Diisopropyl ether

Concen: 21.356 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion: 45 Resp: 285349

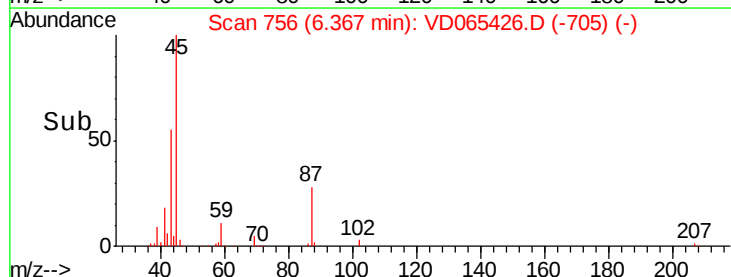
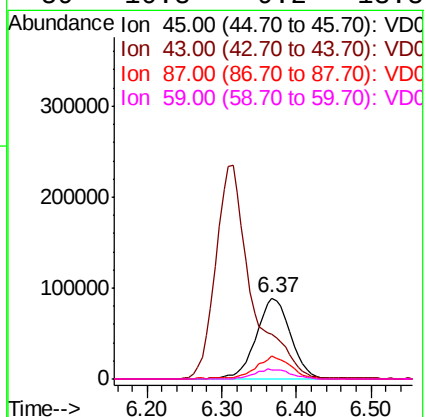
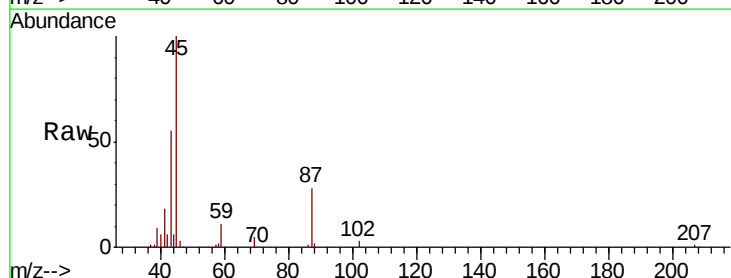
Ion Ratio Lower Upper

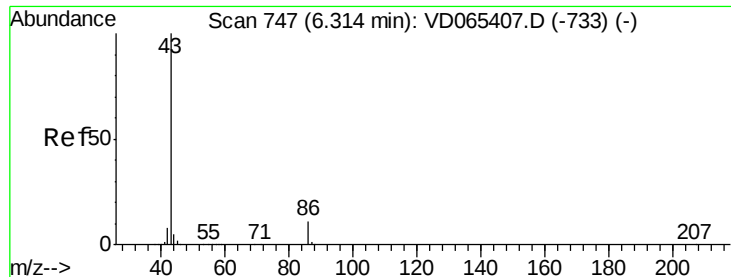
45 100

43 53.4 44.4 66.6

87 27.9 21.9 32.9

59 10.8 9.2 13.8





#23

Vinyl Acetate

Concen: 105.983 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

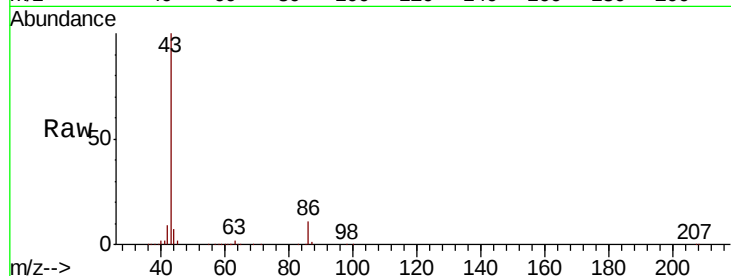
ClientSampled :

Tot Ion: 43 Resp: 786301

Ion Ratio Lower Upper

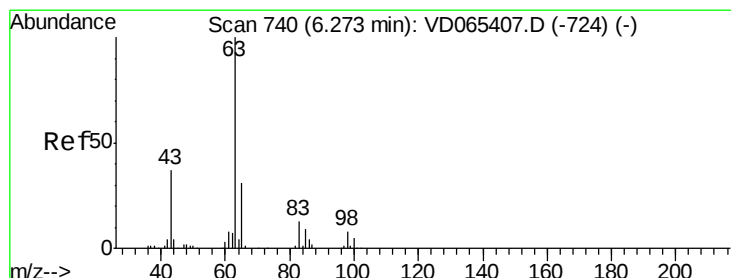
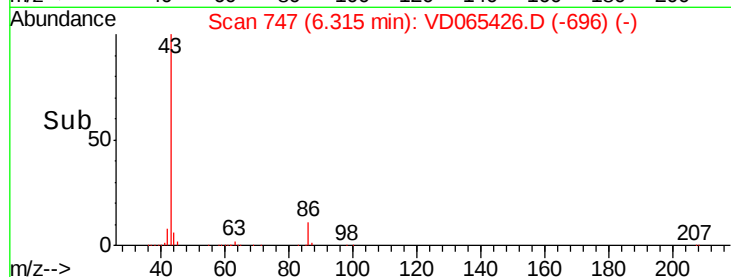
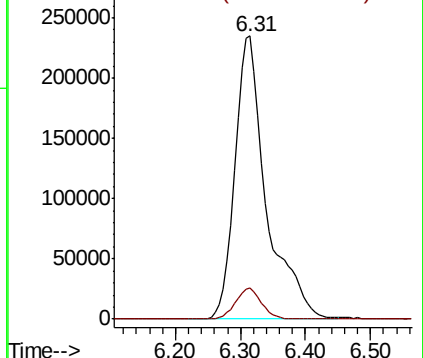
43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.153 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

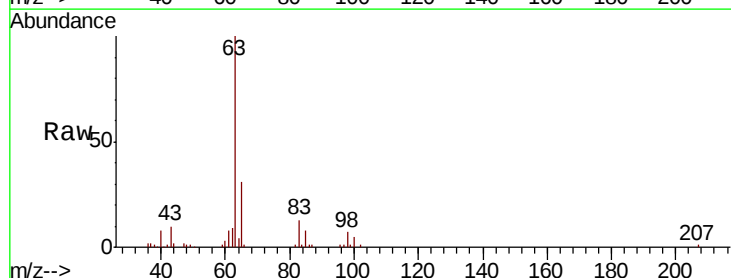
Tgt Ion: 63 Resp: 172719

Ion Ratio Lower Upper

63 100

98 7.0 4.2 12.6

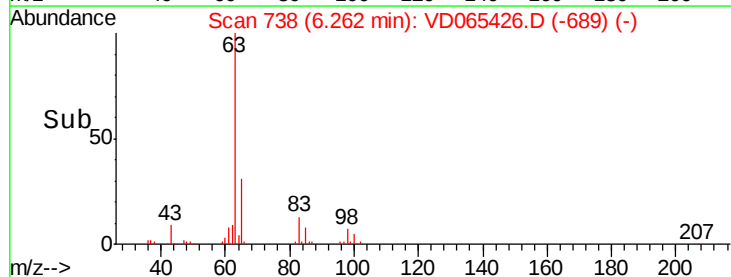
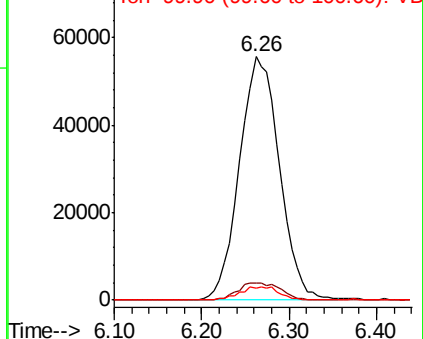
100 4.9 2.4 7.2

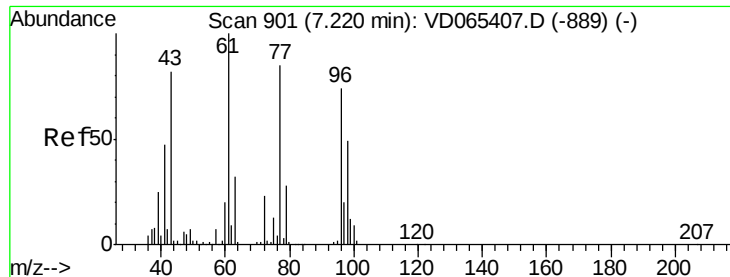


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.579 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

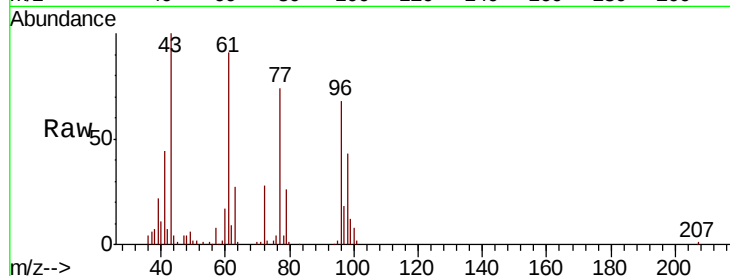
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 124563

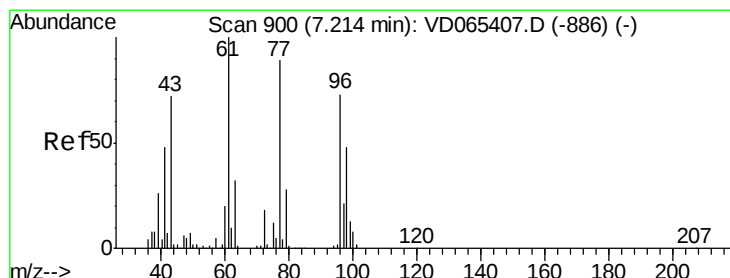
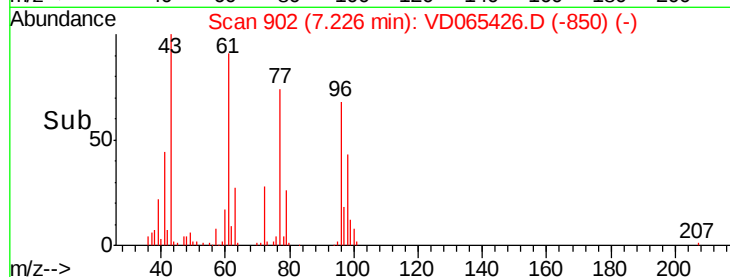
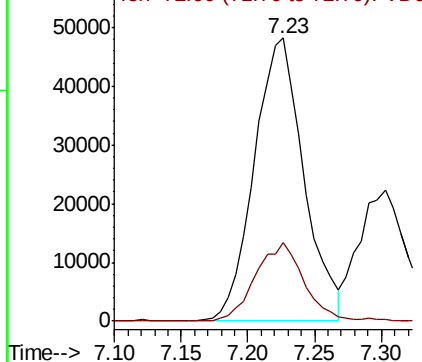
Ion Ratio Lower Upper

43 100

72 27.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.541 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065426.D

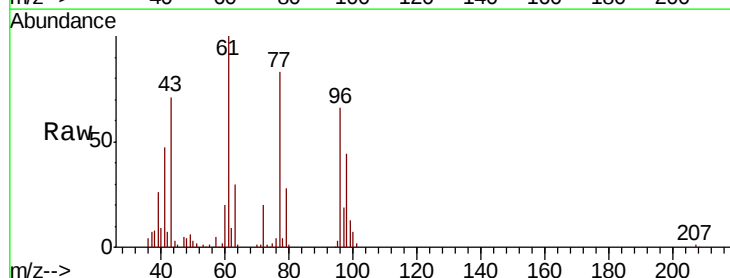
Acq: 05 Mar 2020 12:51

Tgt Ion: 77 Resp: 146355

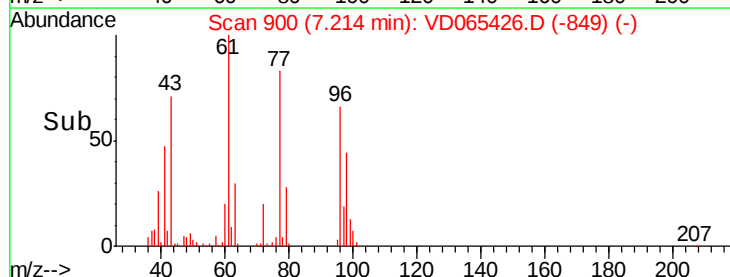
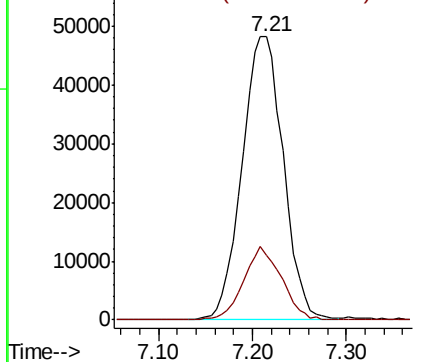
Ion Ratio Lower Upper

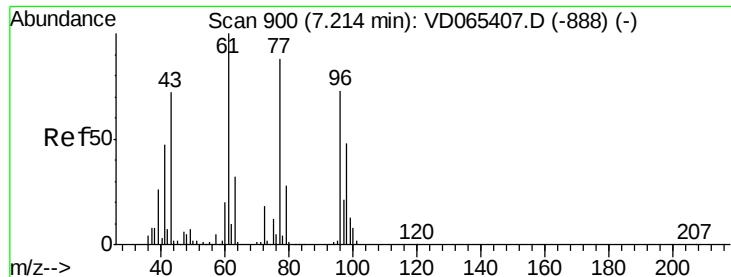
77 100

97 23.7 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



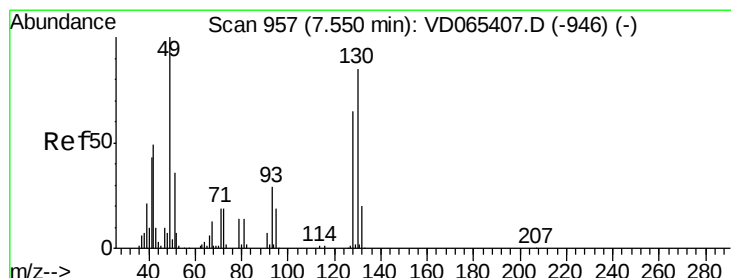
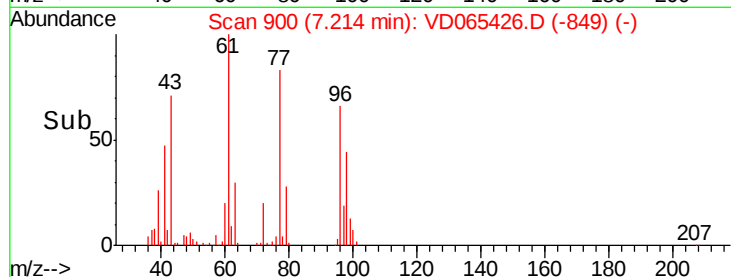
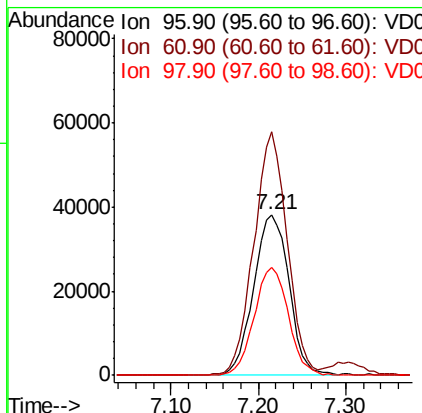
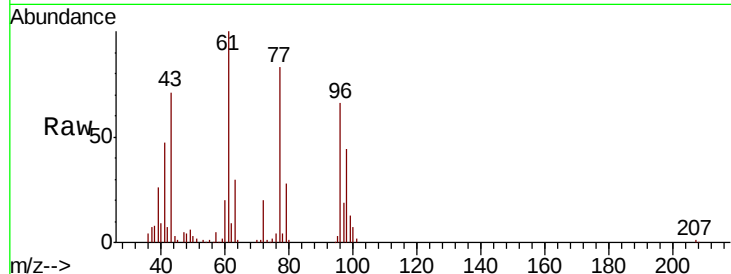


#27

cis-1,2-Dichloroethene
 Concen: 20.008 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampled :

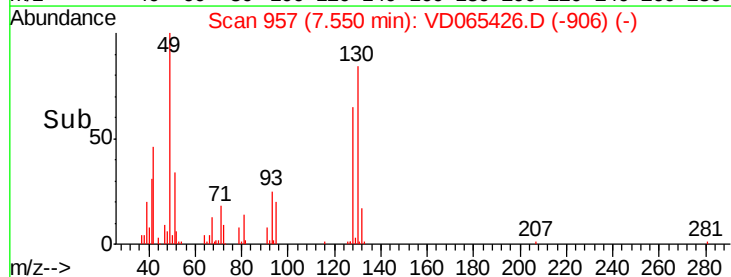
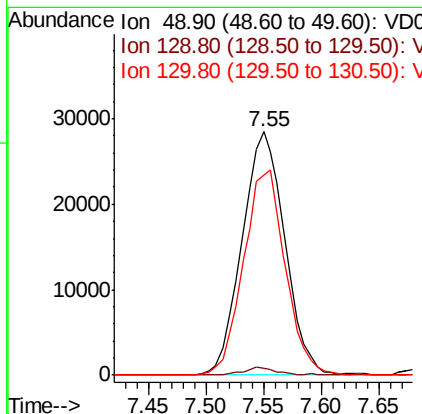
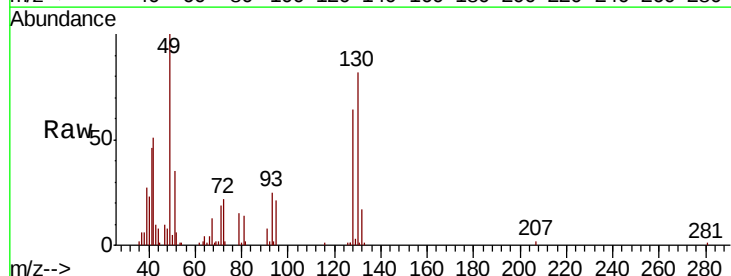
Tot Ion	96	Resp	106447
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	280.4
98	64.7	0.0	132.6

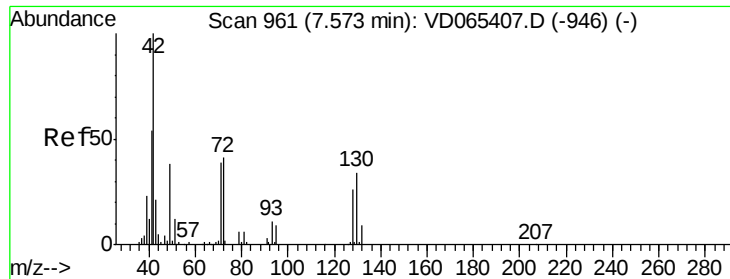


#28

Bromochloromethane
 Concen: 21.349 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	49	Resp	73205
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	82.6	66.6	100.0

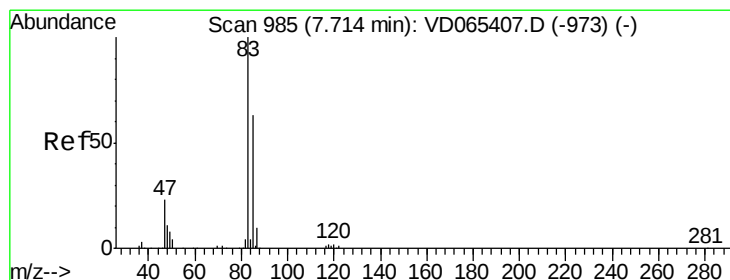
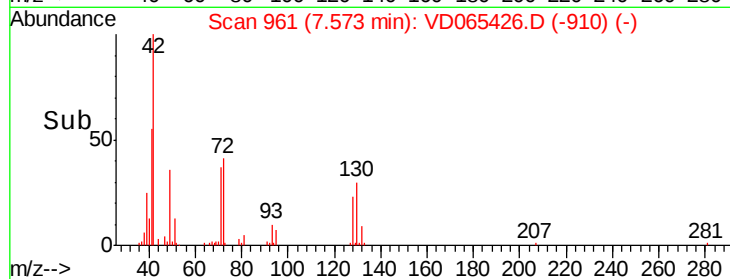
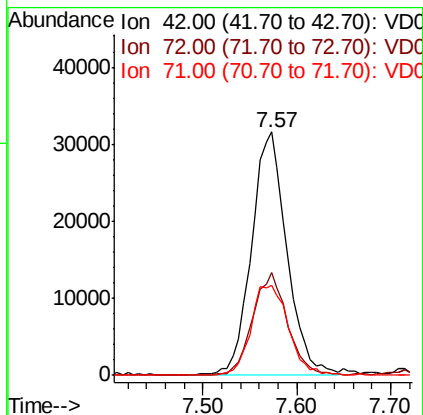
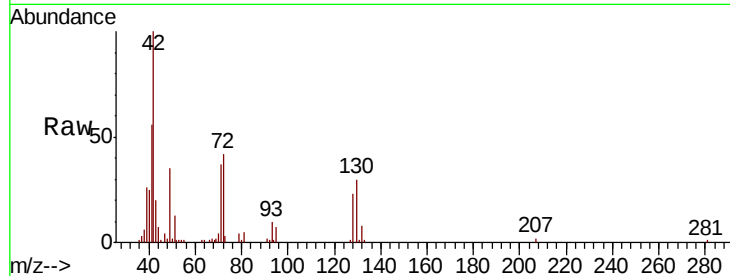




#29
Tetrahydrofuran
Concen: 108.203 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

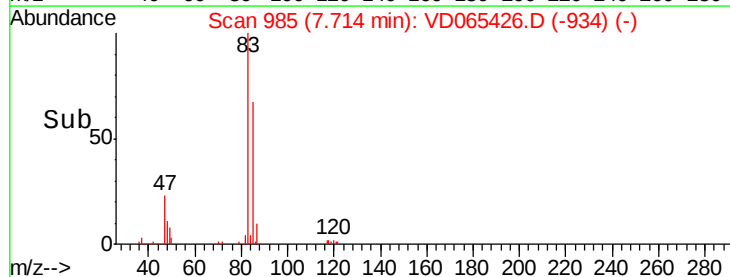
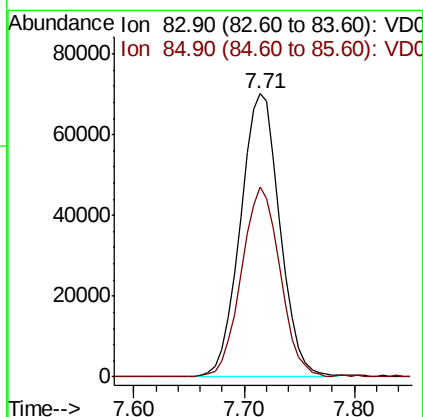
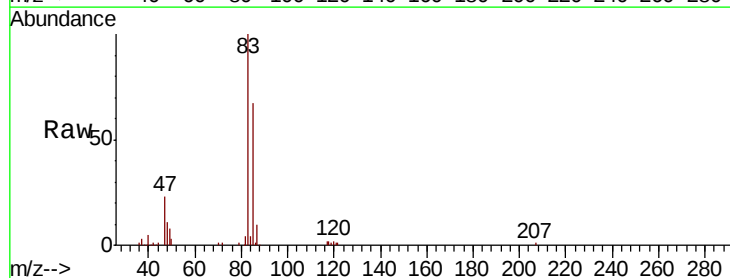
Instrument :
MSVOA_D
ClientSampleId :

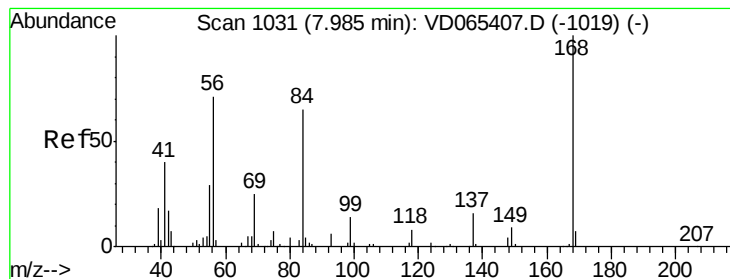
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.0	49.6
71	39.0	32.0	48.0



#30
Chloroform
Concen: 20.549 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.3	75.5





#31

Cyclohexane

Concen: 19.502 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

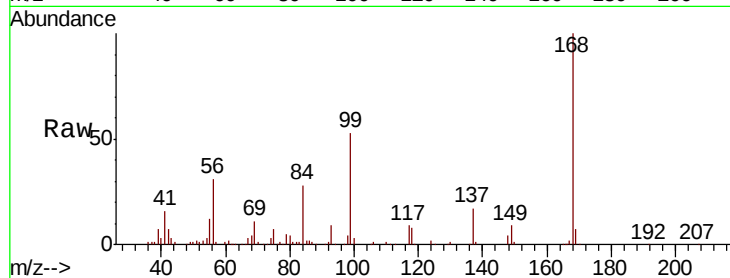
Tot Ion: 56 Resp: 167128

Ion Ratio Lower Upper

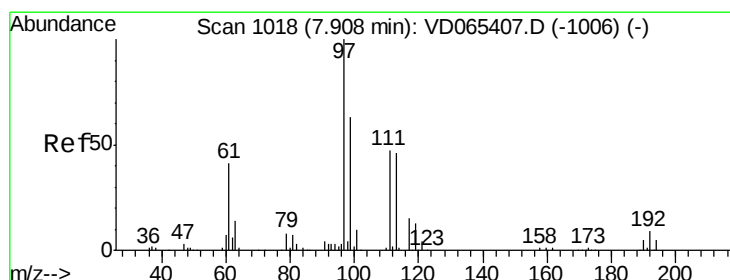
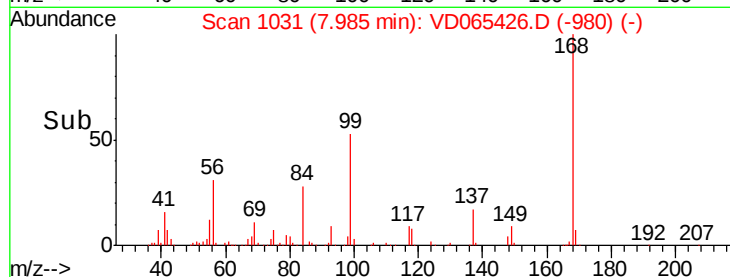
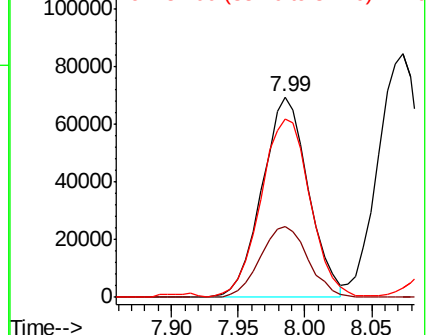
56 100

69 35.1 28.3 42.5

84 87.0 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 19.864 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

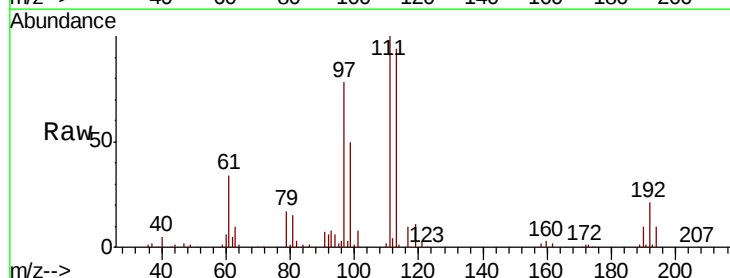
Tgt Ion: 97 Resp: 157251

Ion Ratio Lower Upper

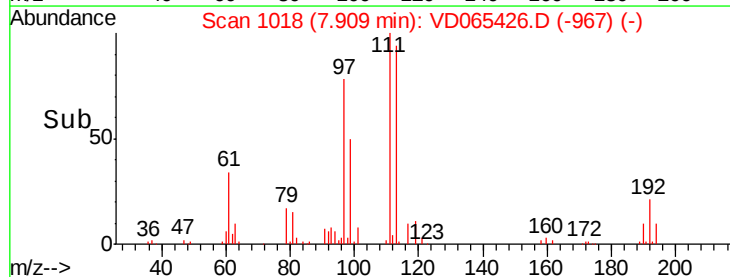
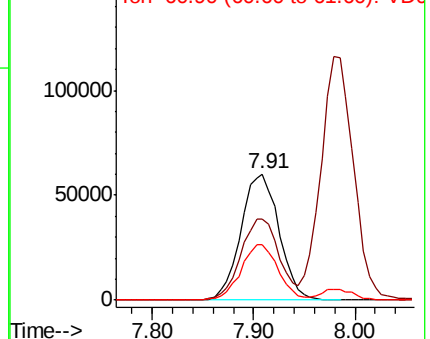
97 100

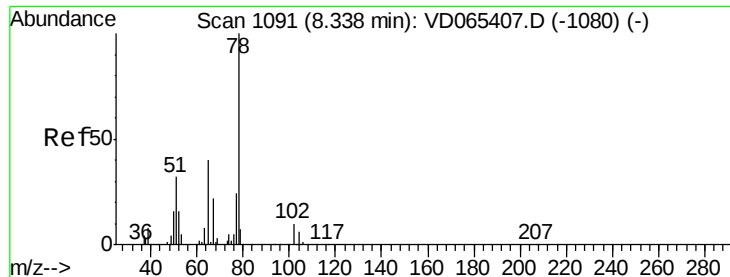
99 65.2 50.9 76.3

61 43.3 33.2 49.8



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

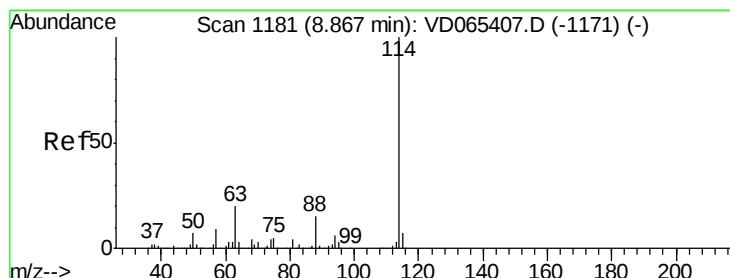
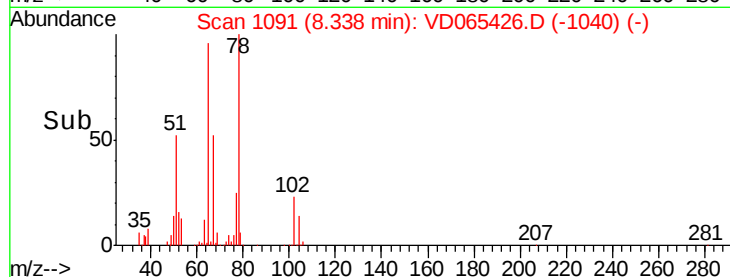
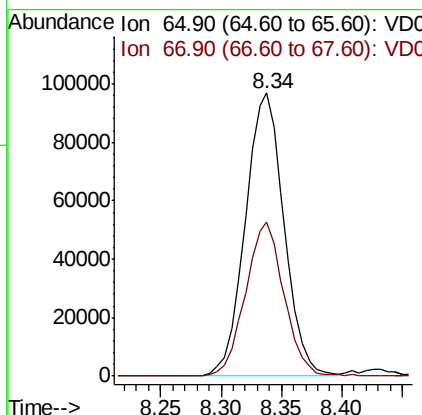
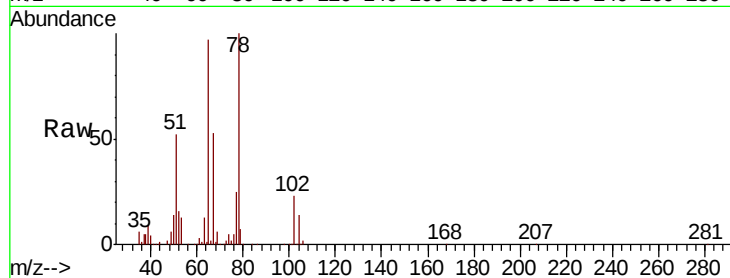




#33
 1,2-Dichloroethane-d4
 Concen: 50.089 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

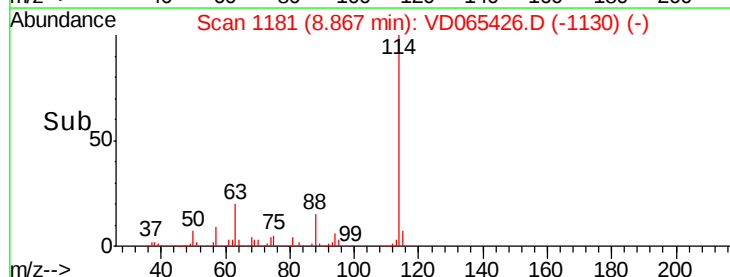
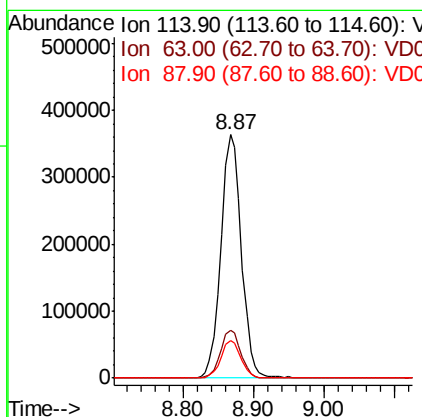
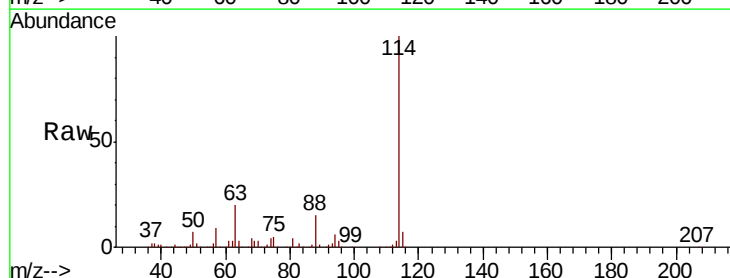
Instrument :
 MSVOA_D
 ClientSampleId :

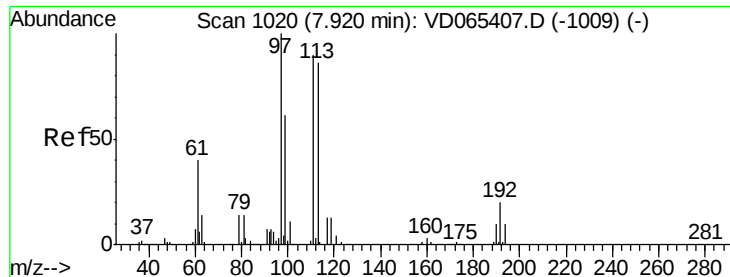
Tot Ion: 65 Resp: 216171
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion: 114 Resp: 733293
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.4 0.0 30.4

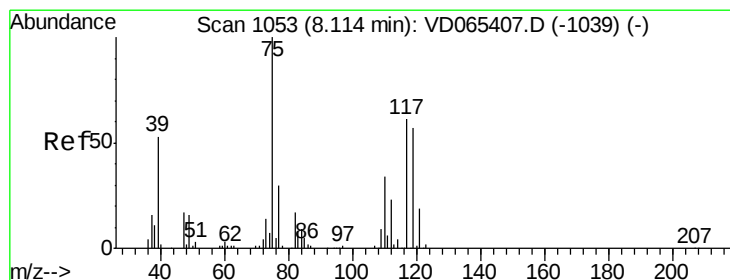
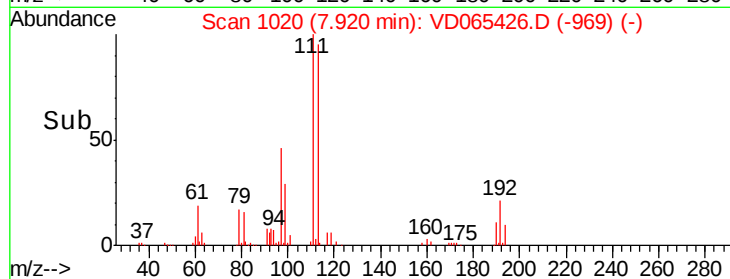
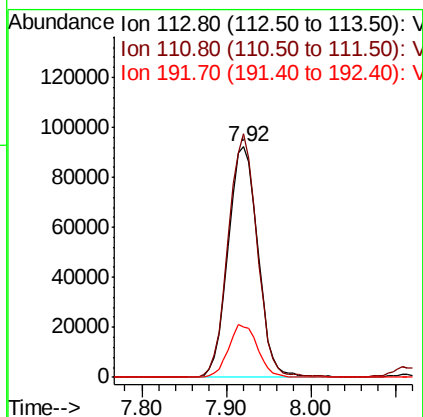
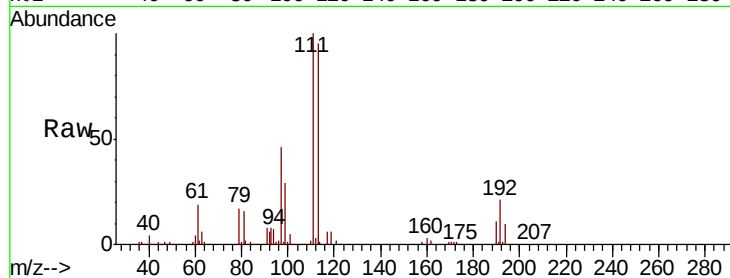




#35
 Dibromofluoromethane
 Concen: 49.619 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

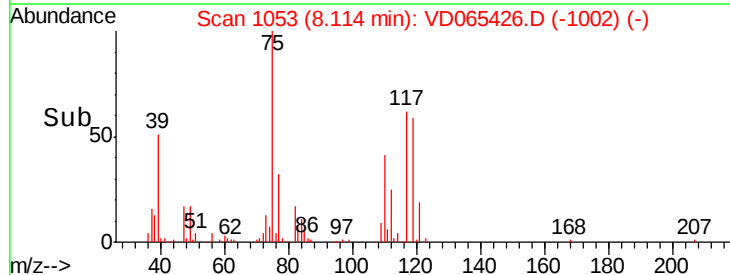
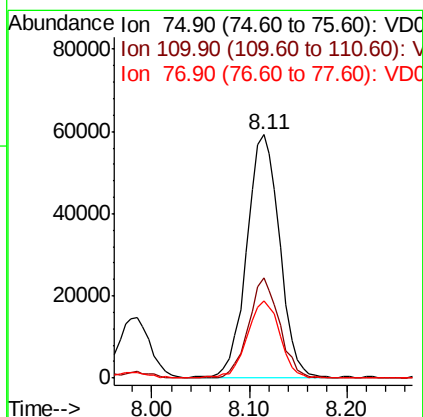
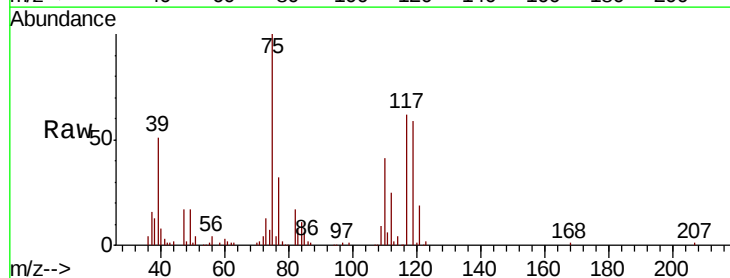
Instrument :
 MSVOA_D
 ClientSampleId :

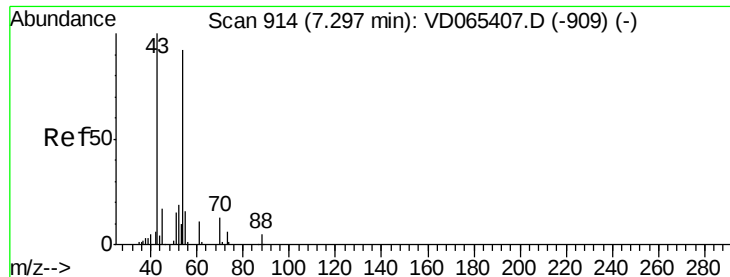
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	22.3	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 19.816 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.1	54.1
77	31.9	25.2	37.8

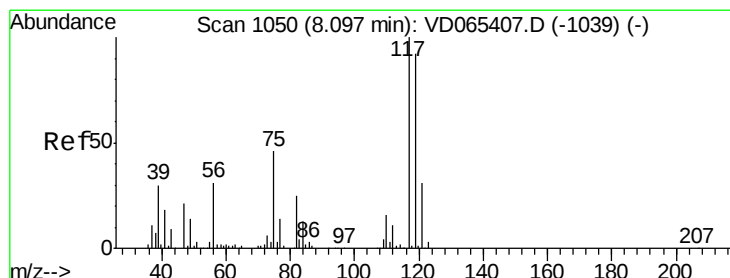
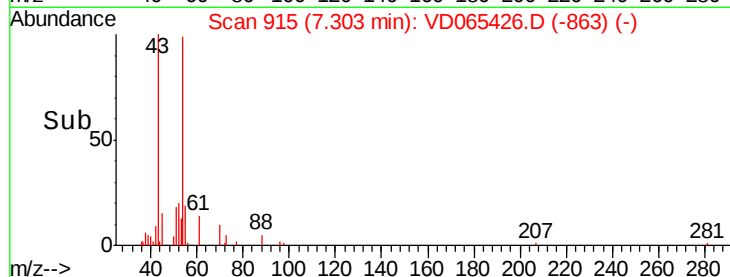
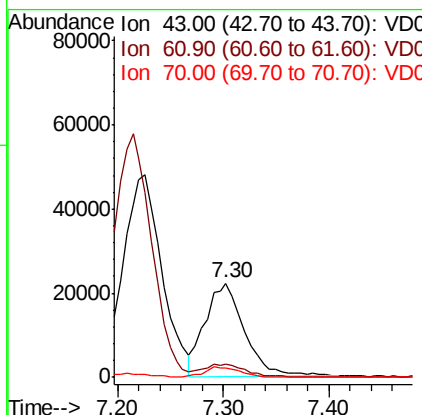
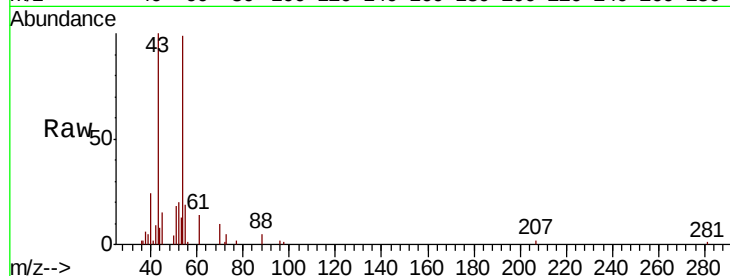




#37
Ethyl Acetate
Concen: 20.903 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

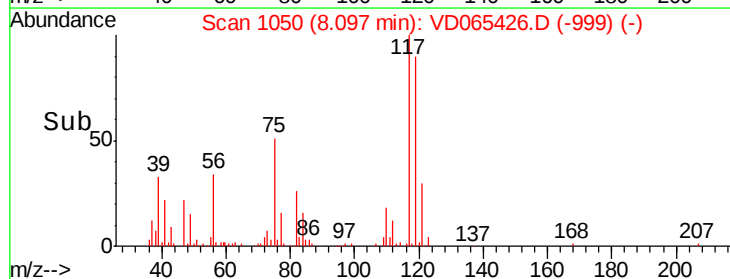
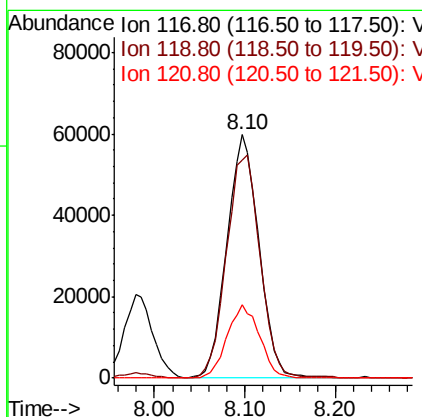
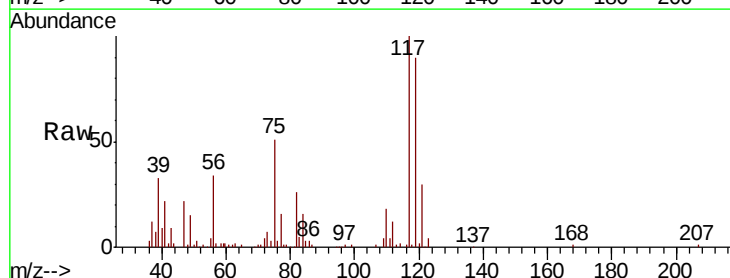
Instrument :
MSVOA_D
ClientSampleId :

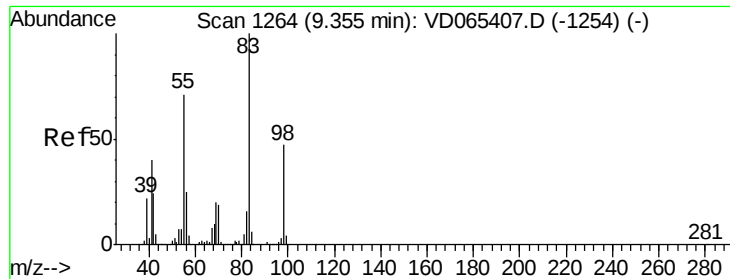
Tot Ion: 43 Resp: 56790
Ion Ratio Lower Upper
43 100
61 15.4 11.4 17.0
70 10.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 20.155 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 117 Resp: 146912
Ion Ratio Lower Upper
117 100
119 89.5 73.3 109.9
121 30.0 25.0 37.4

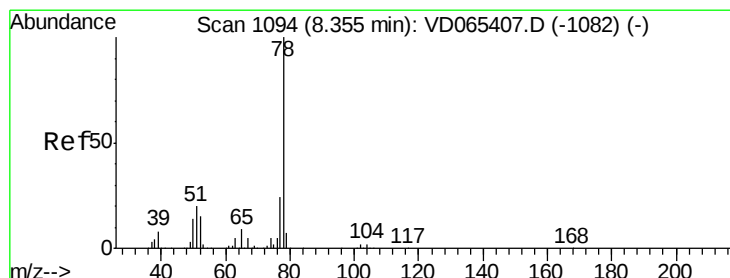
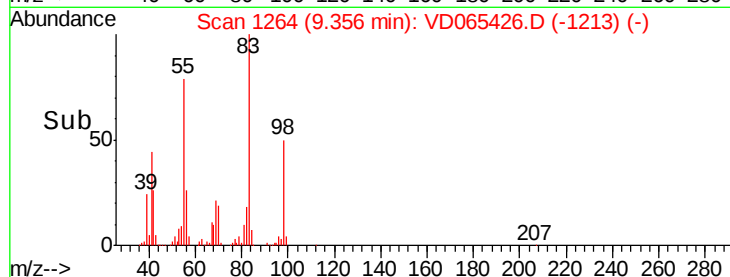
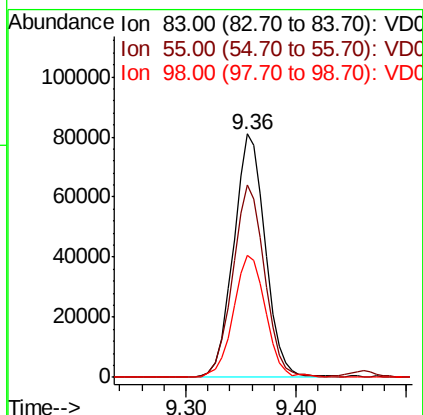
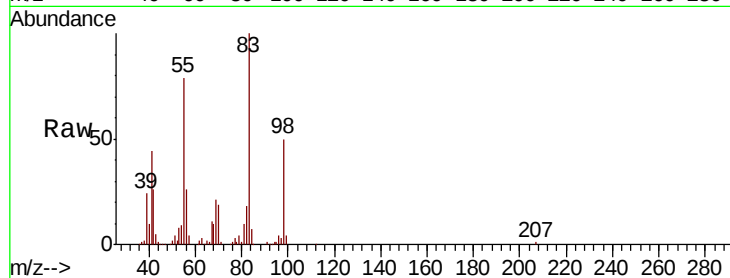




#39
Methvlcvclohexane
Concen: 19.310 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

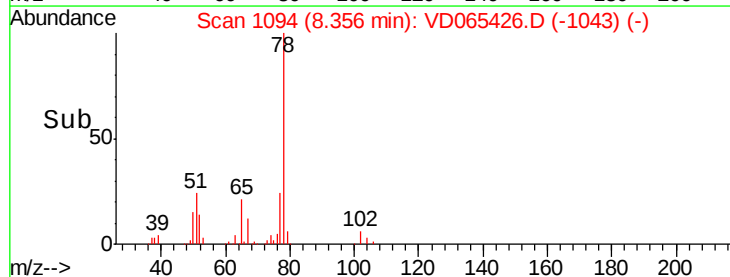
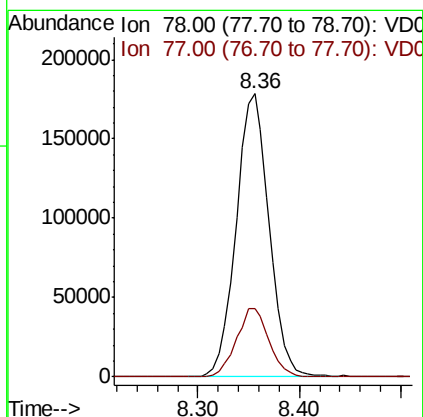
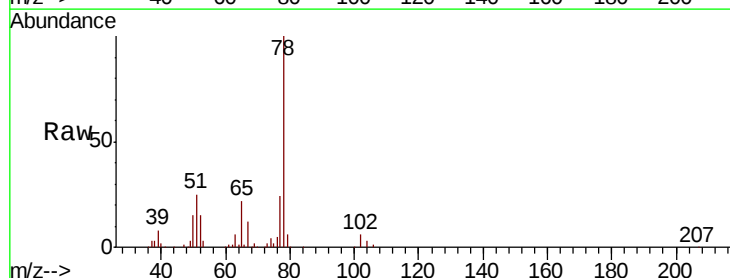
Instrument :
MSVOA_D
ClientSampled :

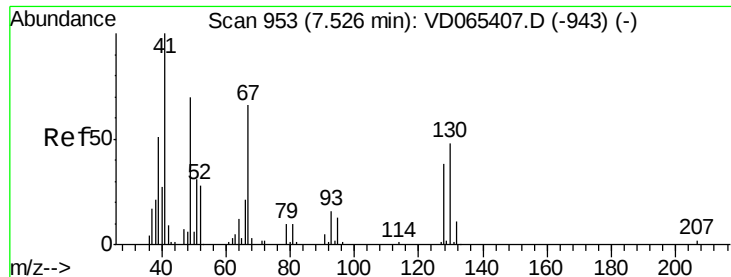
Tot Ion: 83 Resp: 163931
Ion Ratio Lower Upper
83 100
55 79.2 57.1 85.7
98 49.9 37.8 56.8



#40
Benzene
Concen: 20.388 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 78 Resp: 400687
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

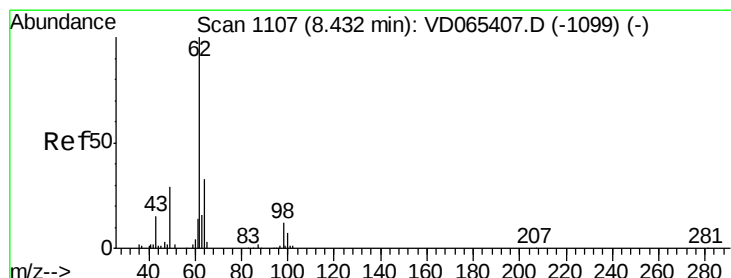
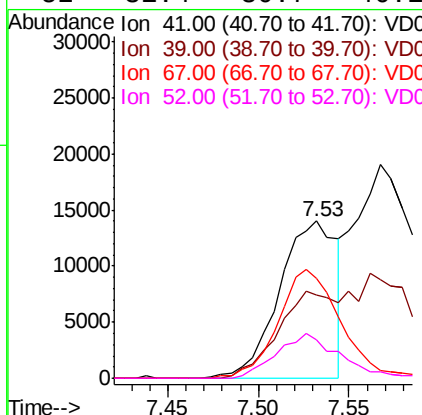
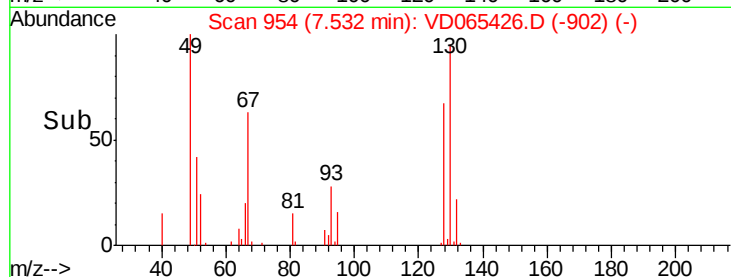
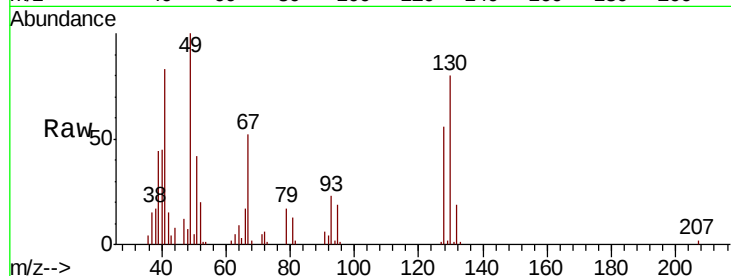




#41
Methacrylonitrile
Concen: 21.671 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

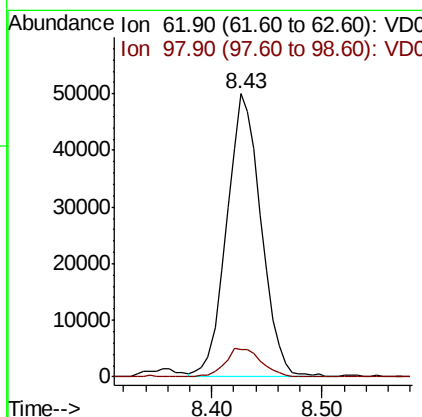
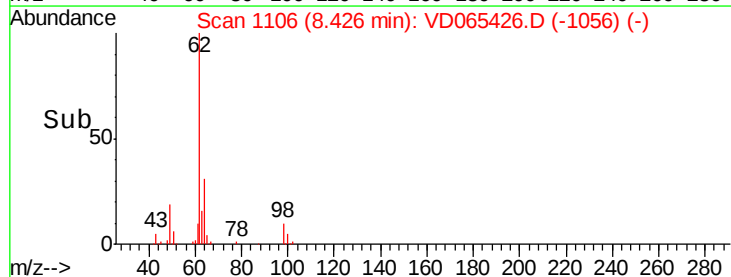
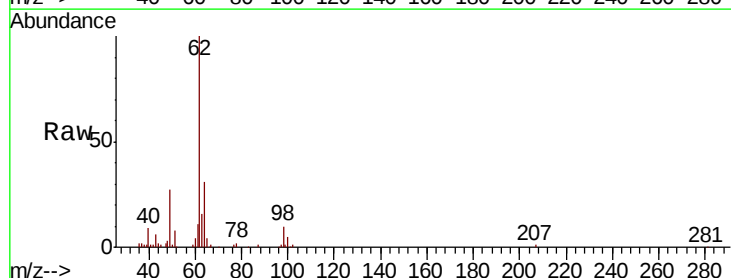
Instrument :
MSVOA_D
ClientSampleID :

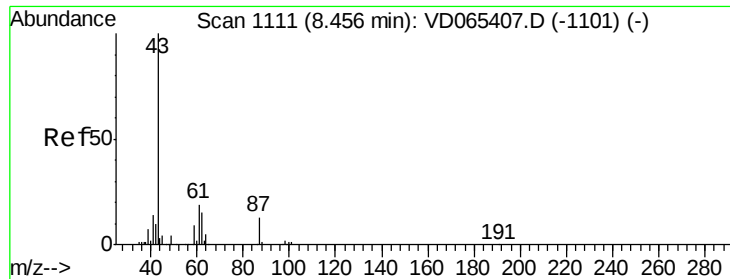
Tot Ion: 41 Resp: 31137
Ion Ratio Lower Upper
41 100
39 56.2 55.0 82.6
67 74.9 70.3 105.5
52 31.4 30.7 46.1



#42
1,2-Dichloroethane
Concen: 21.097 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 62 Resp: 108266
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.4





#43

Isopropyl Acetate

Concen: 21.235 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

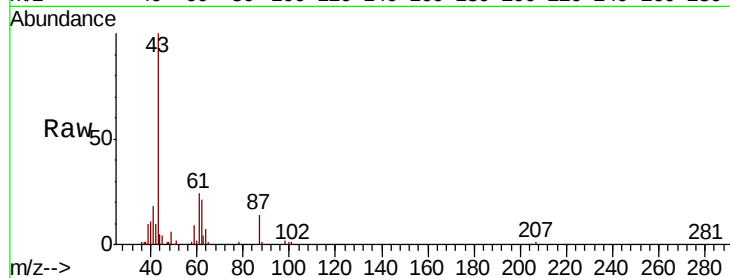
Tot Ion: 43 Resp: 106526

Ion Ratio Lower Upper

43 100

61 30.8 25.0 37.6

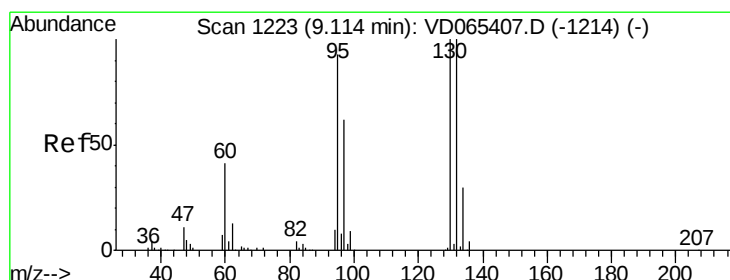
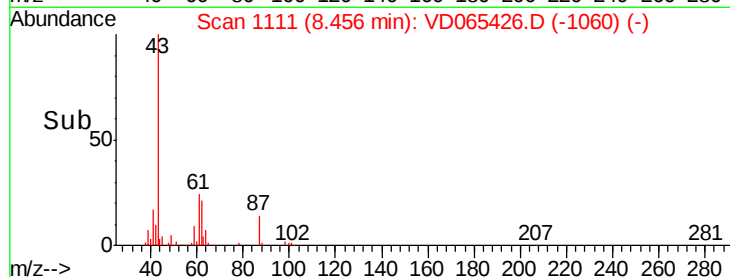
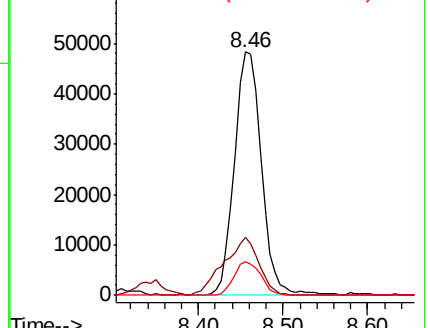
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.409 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065426.D

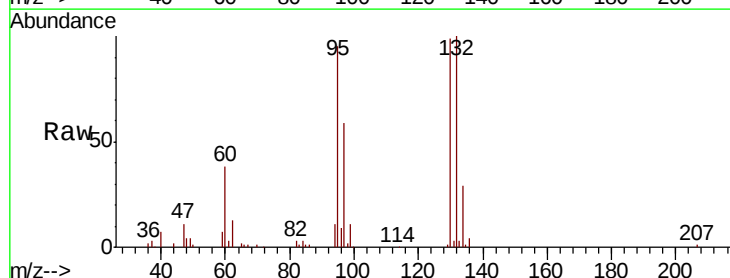
Acq: 05 Mar 2020 12:51

Tgt Ion:130 Resp: 113271

Ion Ratio Lower Upper

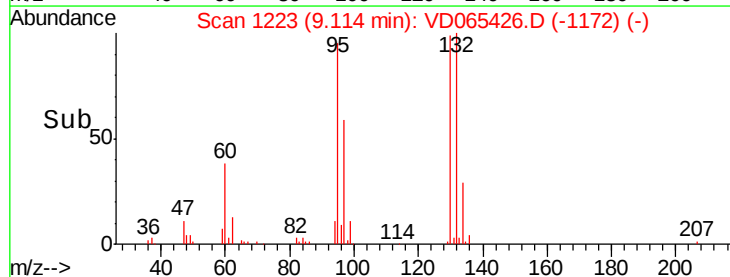
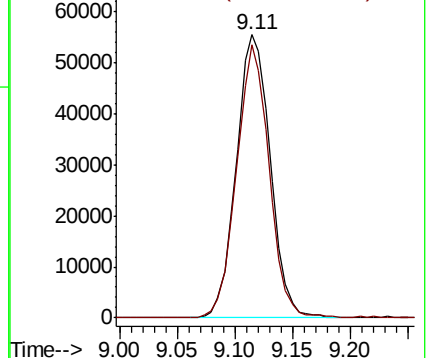
130 100

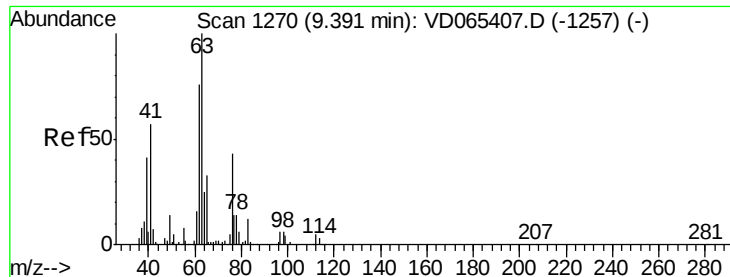
95 96.4 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

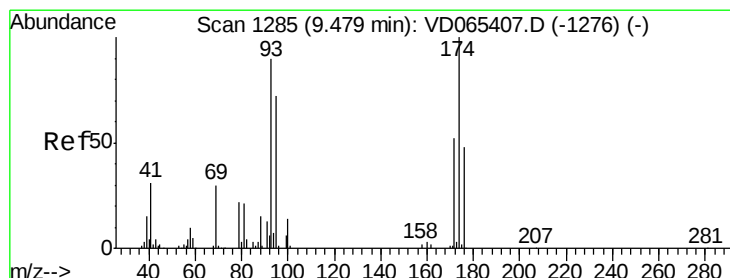
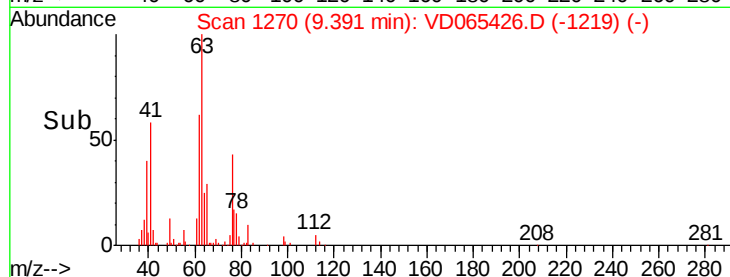
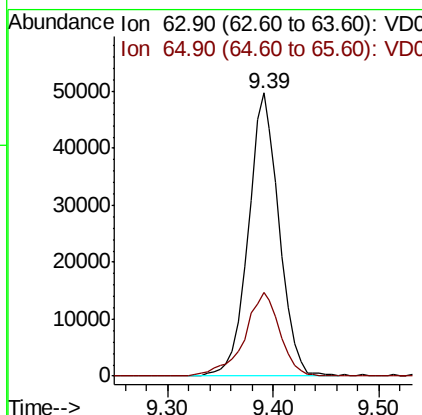
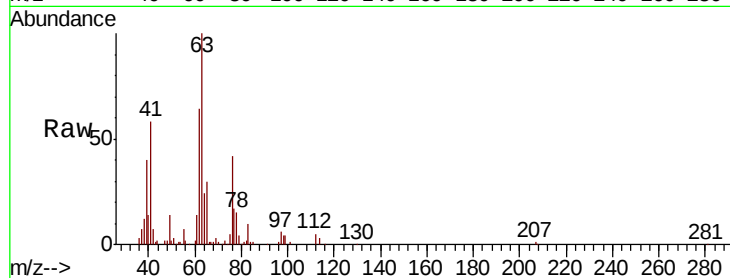




#45
 1,2-Dichloropropane
 Concen: 21.093 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

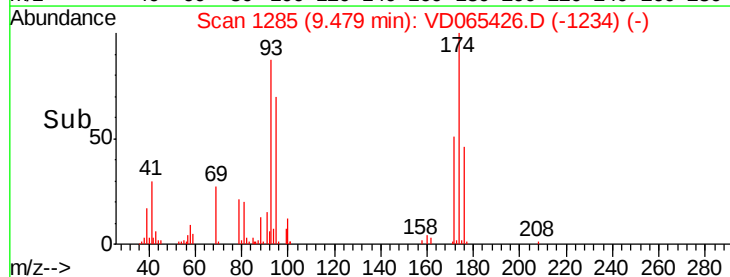
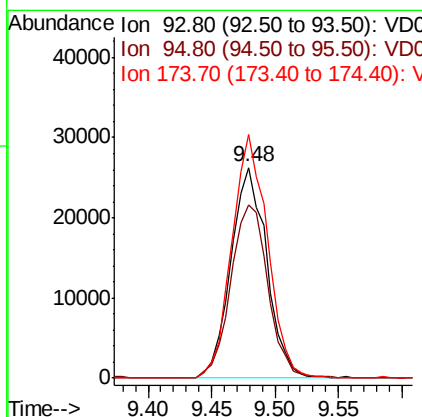
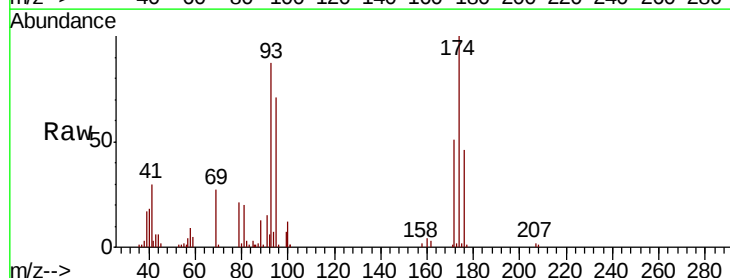
Instrument :
 MSVOA_D
 ClientSampled :

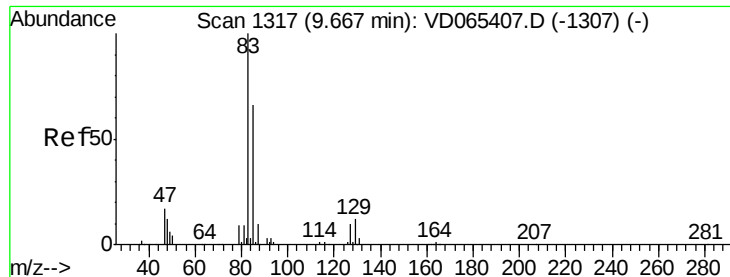
Tot Ion: 63 Resp: 100417
 Ion Ratio Lower Upper
 63 100
 65 29.5 26.4 39.6



#46
 Dibromomethane
 Concen: 20.879 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion: 93 Resp: 51558
 Ion Ratio Lower Upper
 93 100
 95 85.2 65.0 97.6
 174 114.8 88.3 132.5





#47

Bromodichloromethane

Concen: 20.391 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :

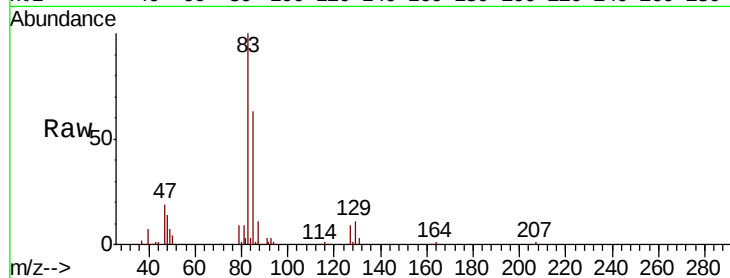
Tot Ion: 83 Resp: 130992

Ion Ratio Lower Upper

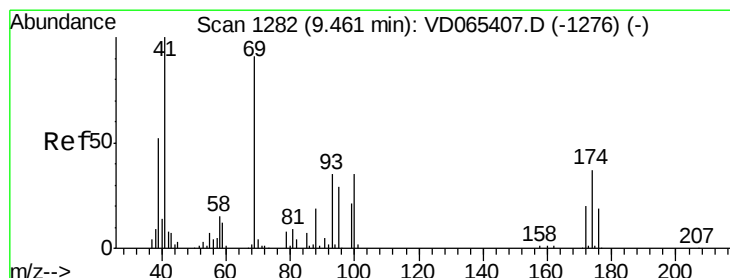
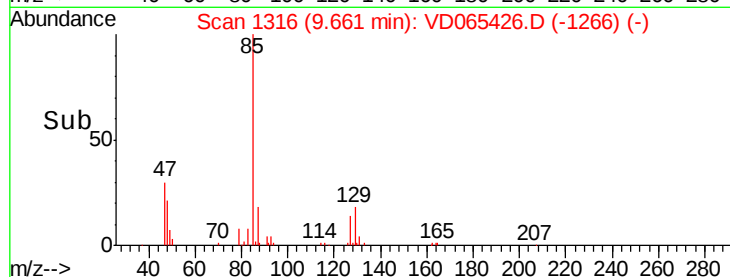
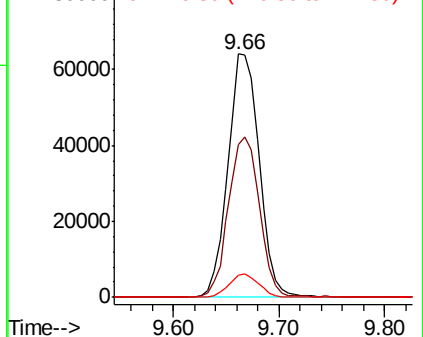
83 100

85 62.8 52.8 79.2

127 9.0 8.0 12.0



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



#48

Methyl methacrylate

Concen: 20.795 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

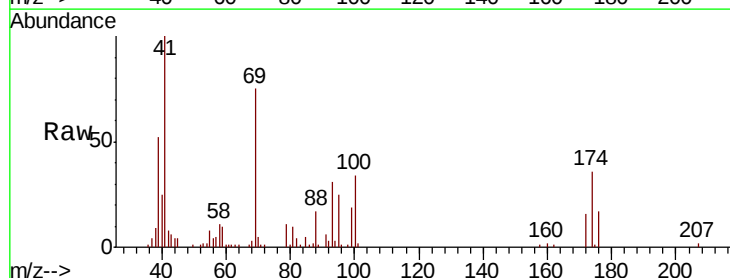
Tgt Ion: 41 Resp: 49069

Ion Ratio Lower Upper

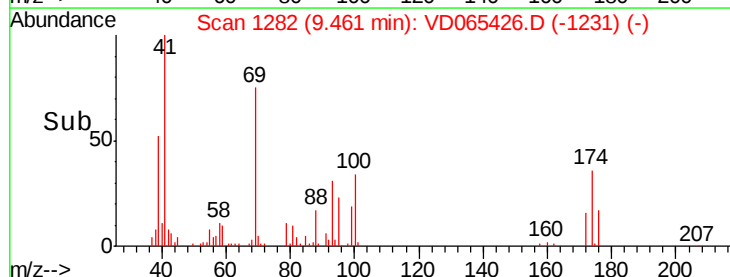
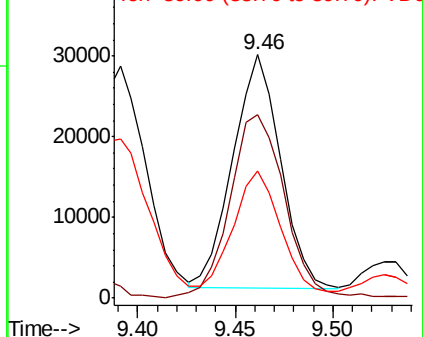
41 100

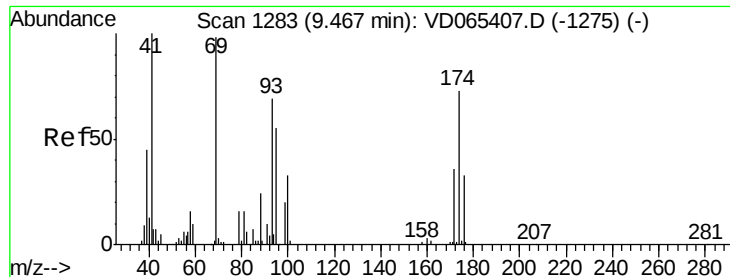
69 90.5 72.5 108.7

39 50.2 41.6 62.4



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

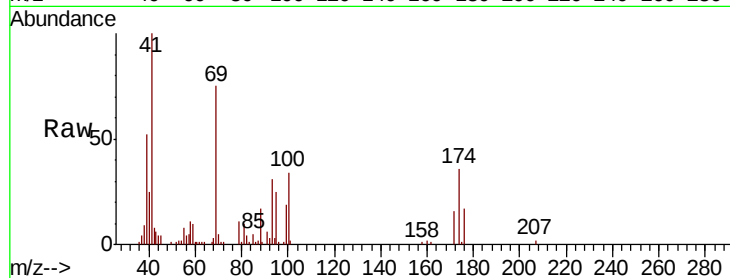




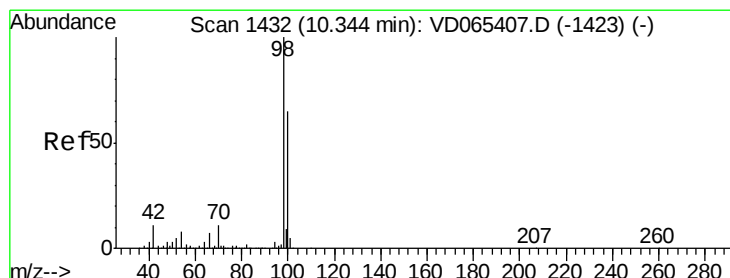
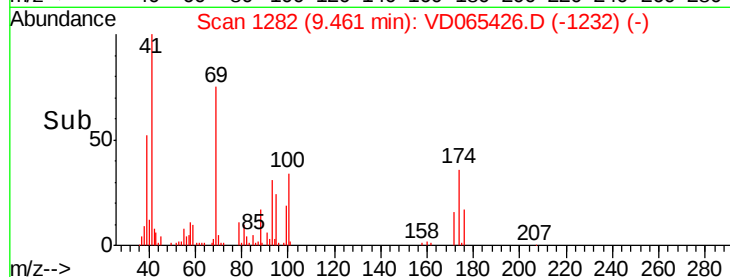
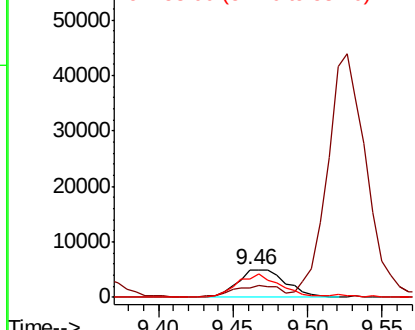
#49
1,4-Dioxane
Concen: 398.077 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 11244
Ion Ratio Lower Upper
88 100
43 41.0 24.5 36.7#
58 75.4 54.5 81.7

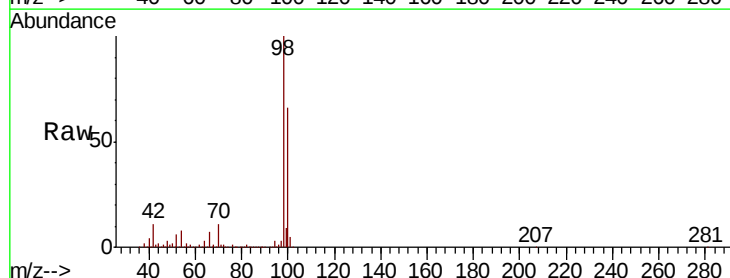


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

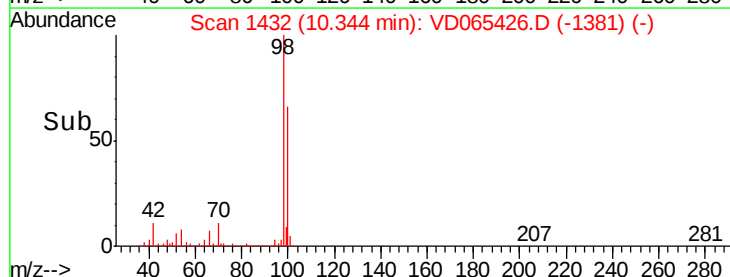
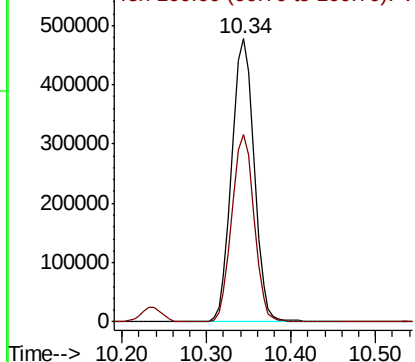


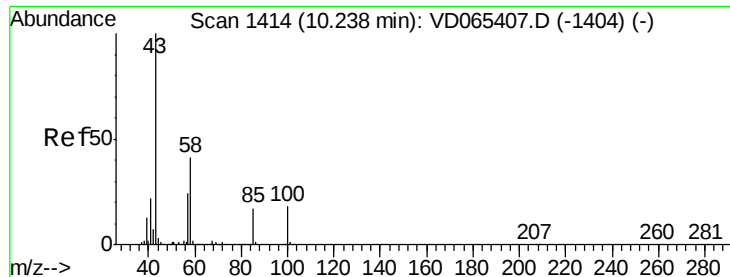
#50
Toluene-d8
Concen: 50.120 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 98 Resp: 871926
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



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

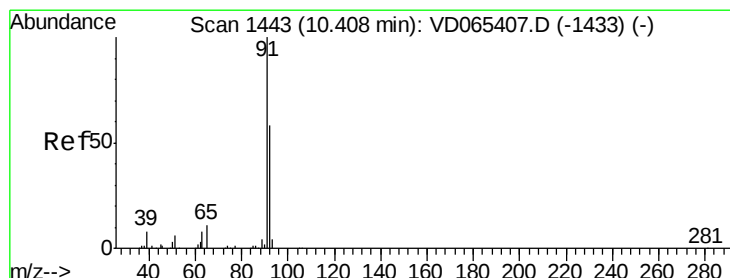
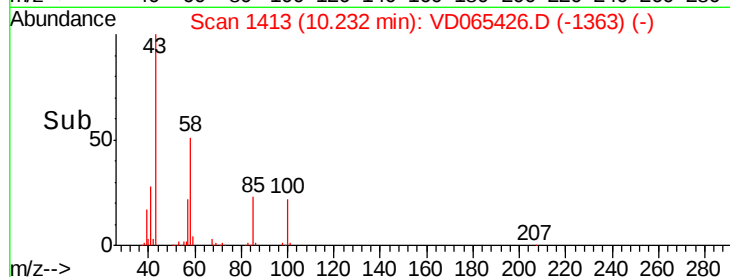
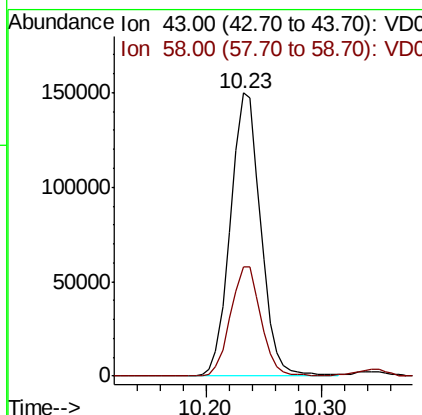
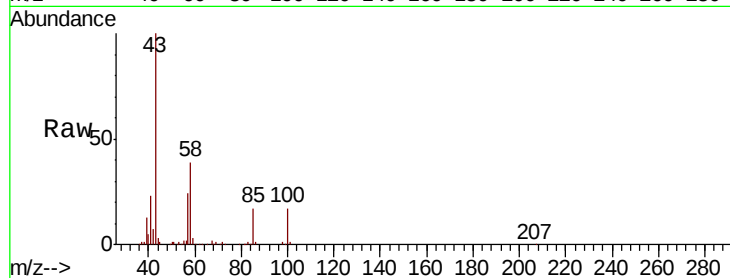




#51
 4-Methyl-2-Pentanone
 Concen: 108.207 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

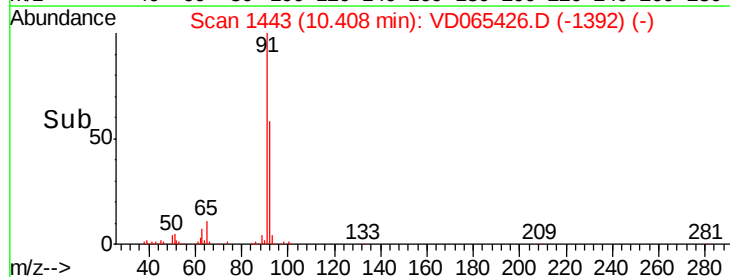
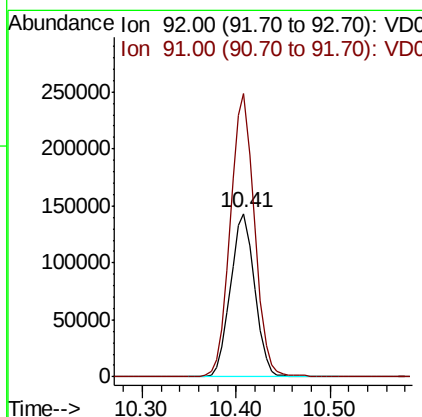
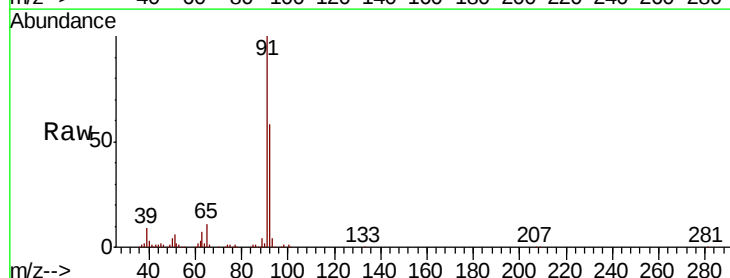
Instrument :
 MSVOA_D
 ClientSampleID :

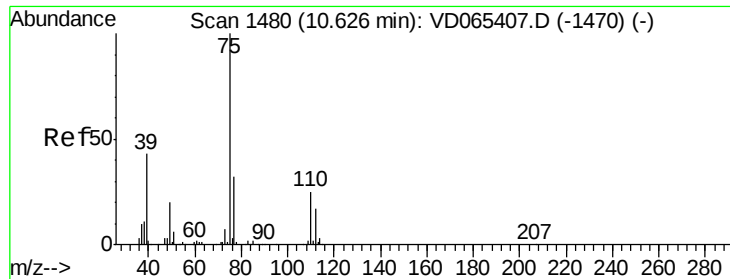
Tot Ion: 43 Resp: 273157
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.8 47.6



#52
 Toluene
 Concen: 20.878 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion: 92 Resp: 258487
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 20.910 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

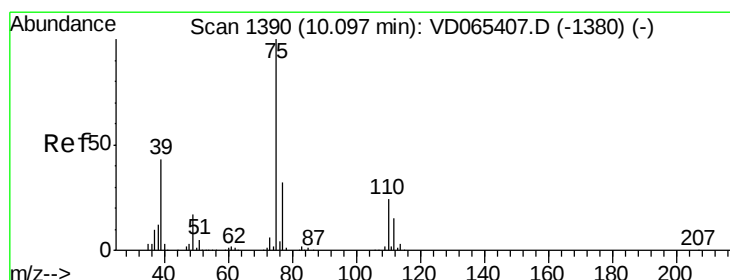
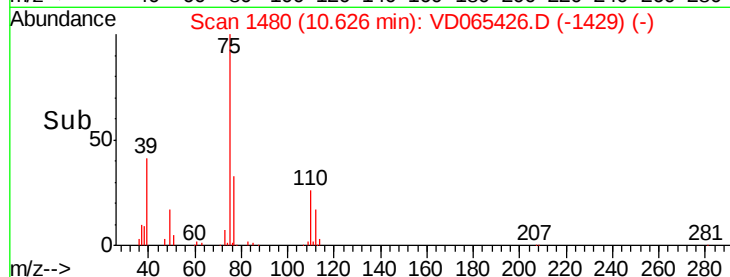
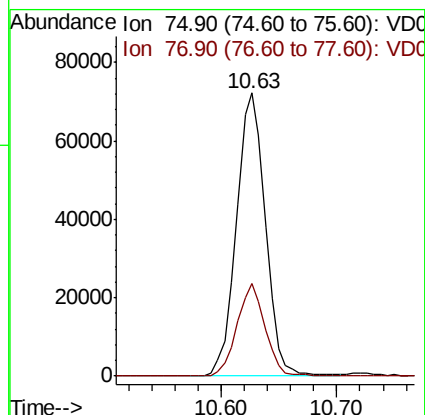
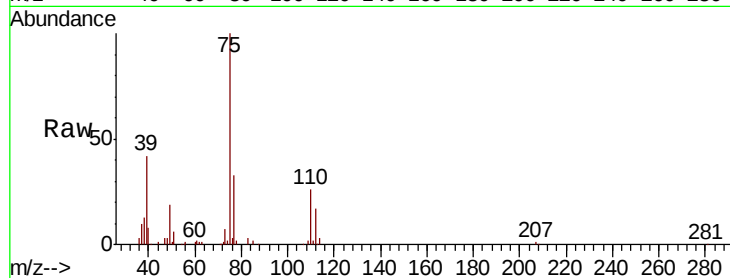
ClientSampleId :

Tot Ion: 75 Resp: 125530

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.105 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

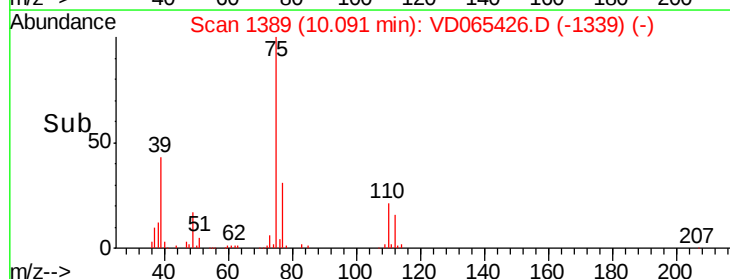
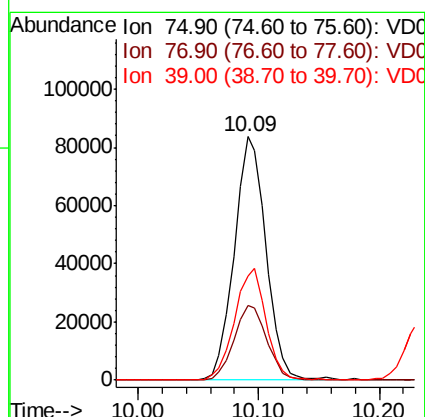
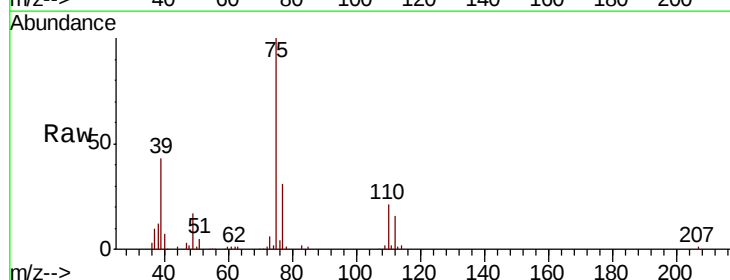
Tgt Ion: 75 Resp: 153362

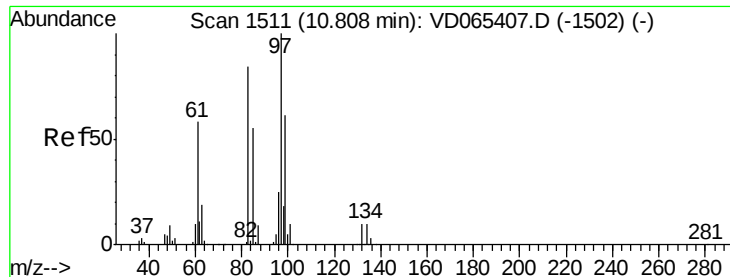
Ion Ratio Lower Upper

75 100

77 30.7 25.3 37.9

39 42.6 34.6 52.0





#55

1,1,2-Trichloroethane

Concen: 21.111 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 73833

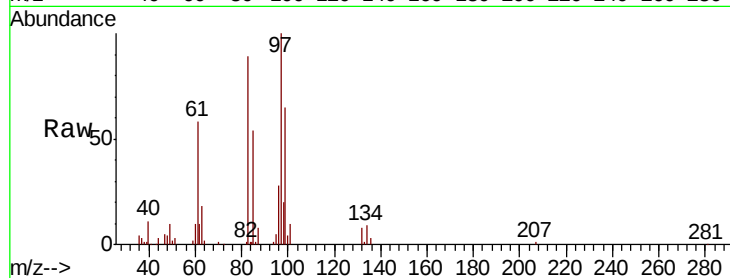
Ion Ratio Lower Upper

97 100

83 89.3 67.4 101.0

85 53.7 43.8 65.8

99 65.5 48.8 73.2

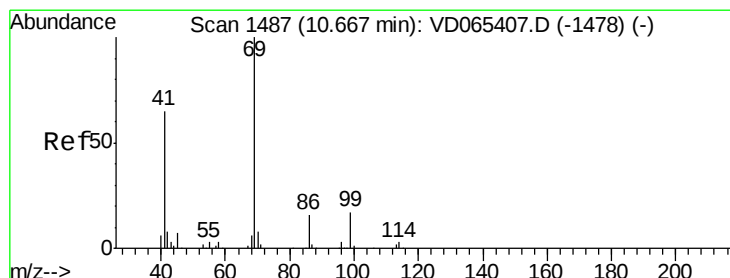
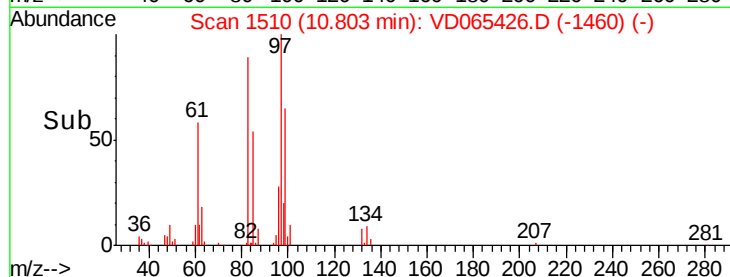
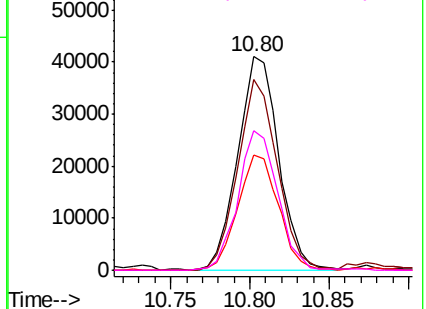


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.762 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

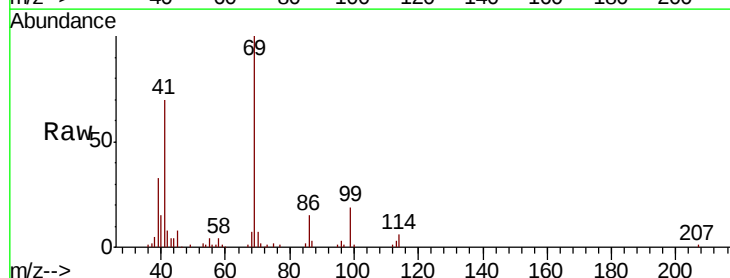
Tgt Ion: 69 Resp: 81861

Ion Ratio Lower Upper

69 100

41 68.4 53.0 79.6

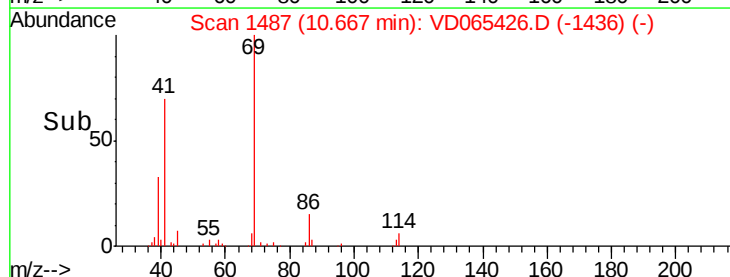
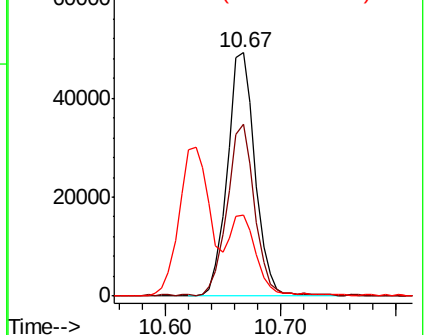
39 31.8 26.0 39.0

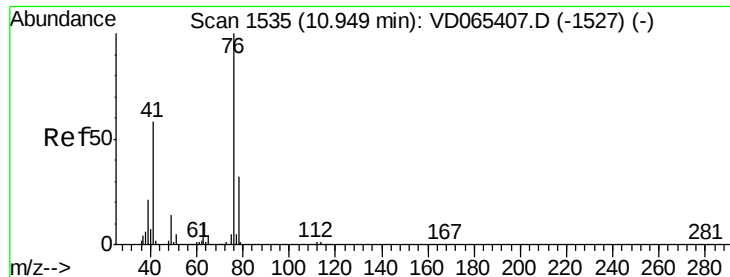


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.398 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

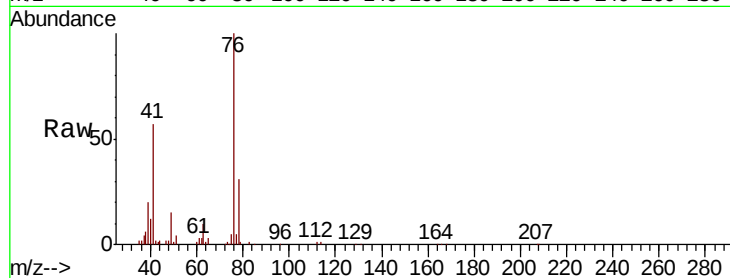
ClientSampleId :

Tot Ion: 76 Resp: 126627

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

60000

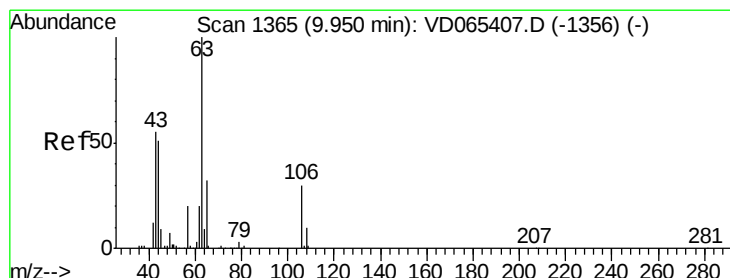
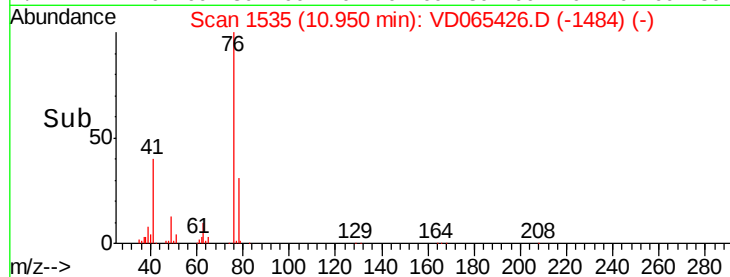
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 104.929 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065426.D

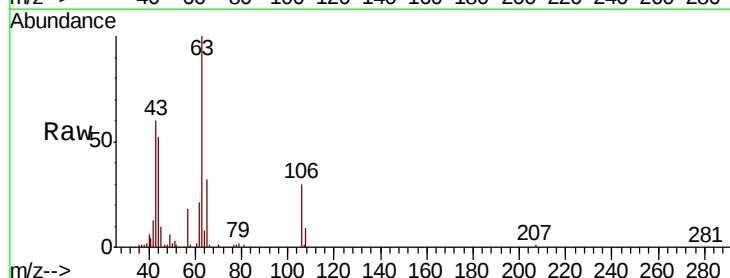
Acq: 05 Mar 2020 12:51

Tgt Ion: 63 Resp: 127731

Ion Ratio Lower Upper

63 100

106 29.0 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

80000

60000

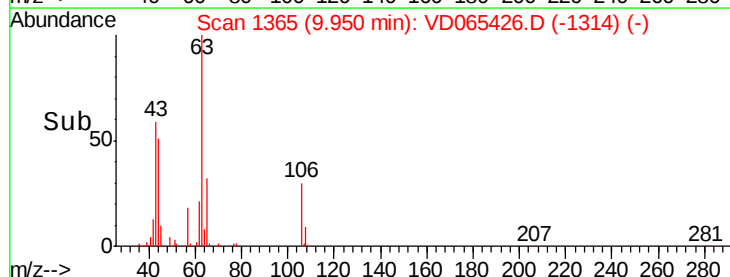
40000

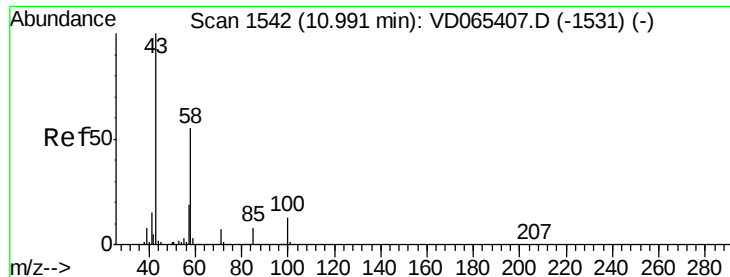
20000

0

Time-->

9.90 10.00

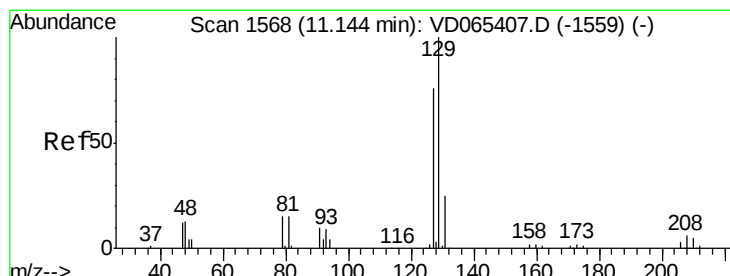
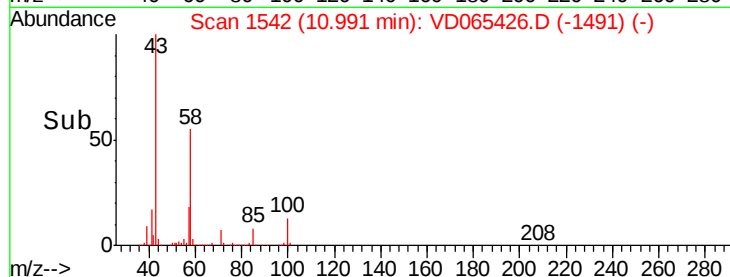
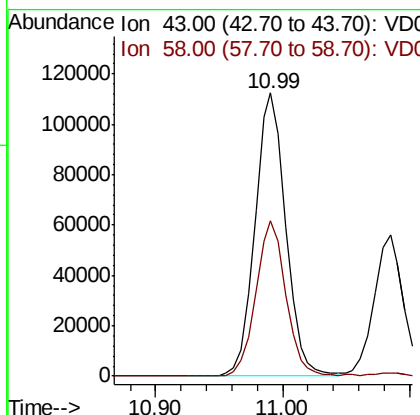
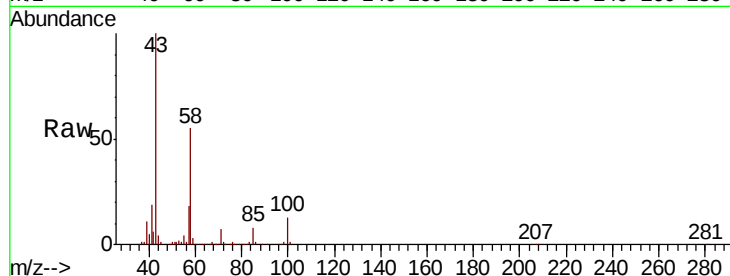




#59
2-Hexanone
Concen: 108.842 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

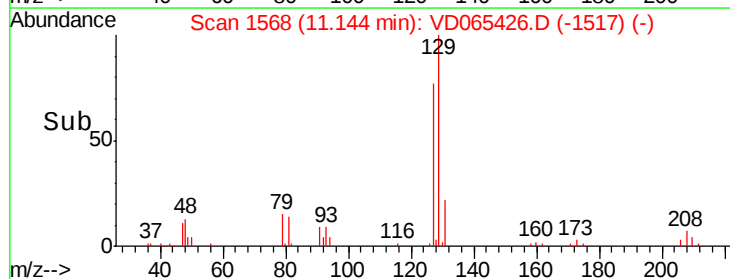
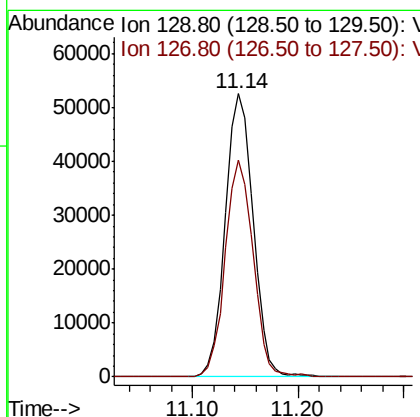
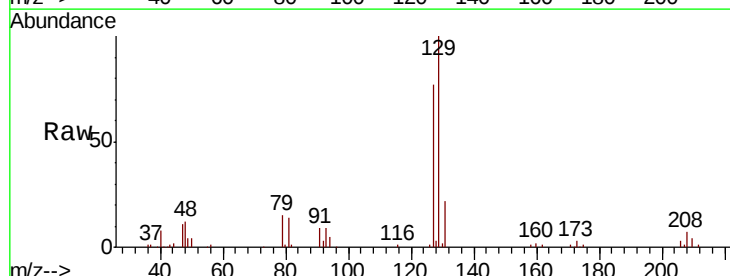
Instrument :
MSVOA_D
ClientSampleId :

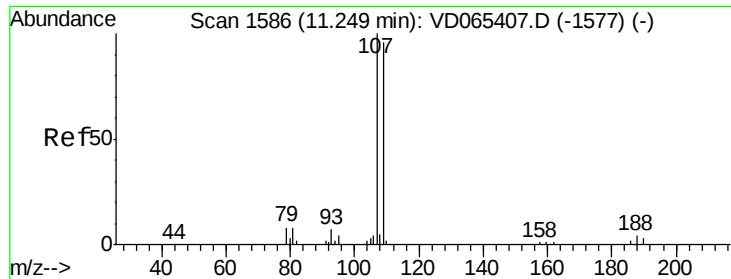
Tot Ion: 43 Resp: 190201
Ion Ratio Lower Upper
43 100
58 53.4 27.4 82.2



#60
Dibromochloromethane
Concen: 21.416 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 129 Resp: 96010
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.872 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

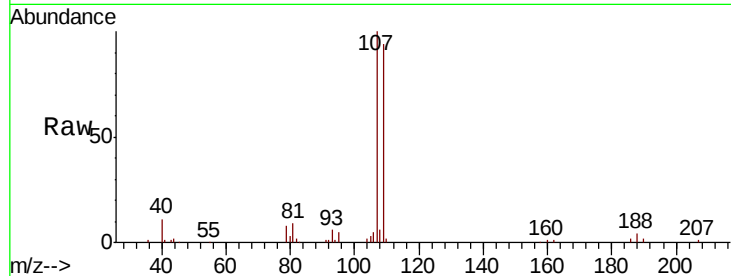
ClientSampleId :

Tot Ion:107 Resp: 69628

Ion Ratio Lower Upper

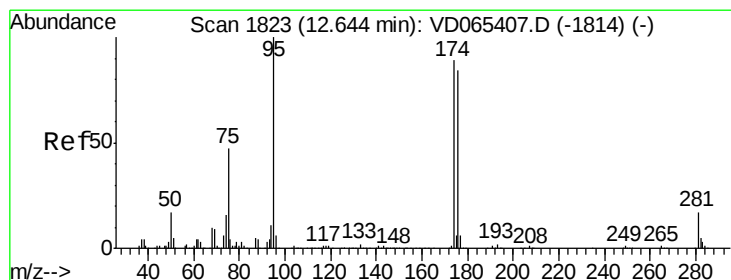
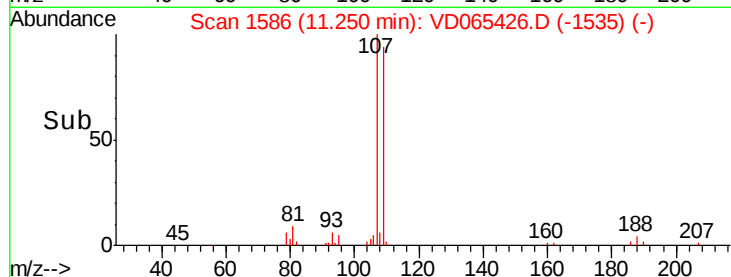
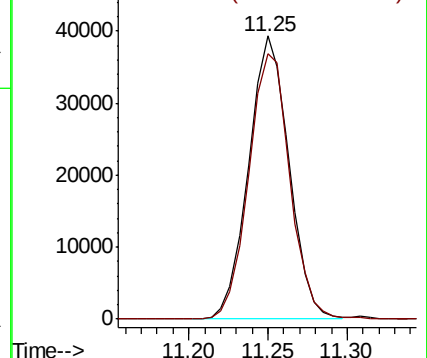
107 100

109 95.8 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.567 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

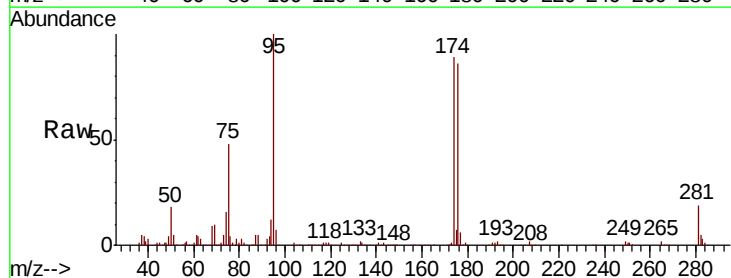
Tgt Ion: 95 Resp: 276946

Ion Ratio Lower Upper

95 100

174 90.9 0.0 176.8

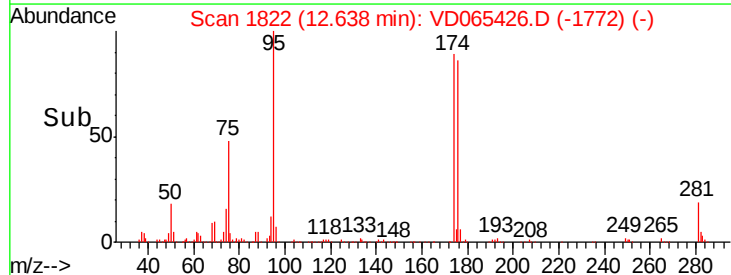
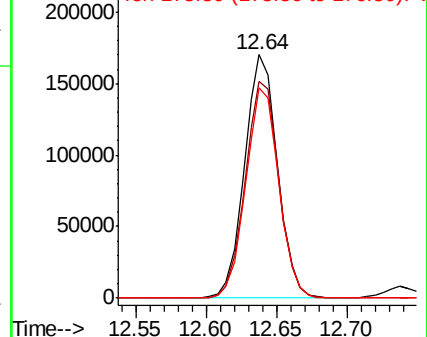
176 86.9 0.0 171.4

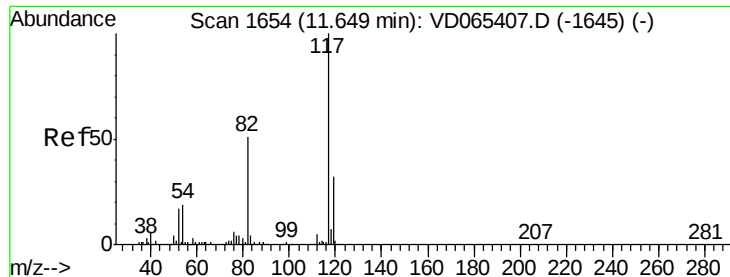


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

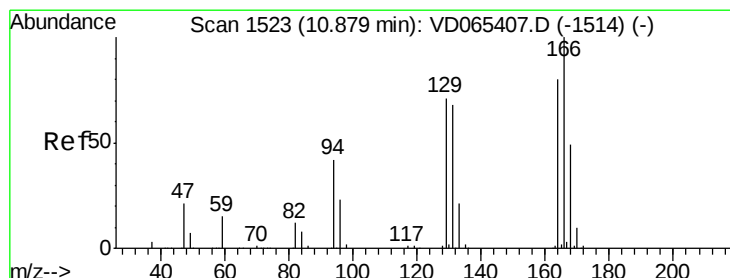
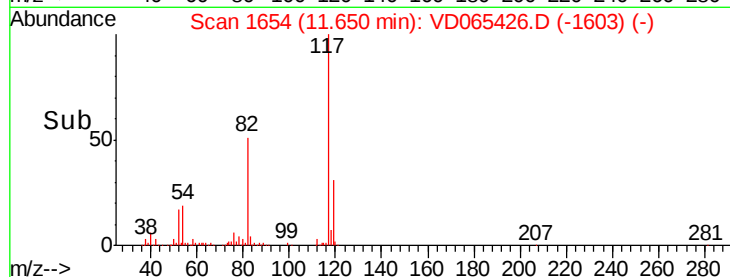
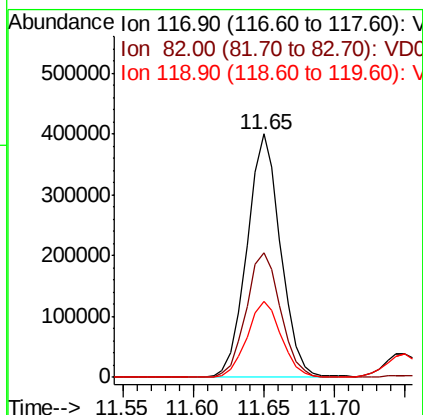
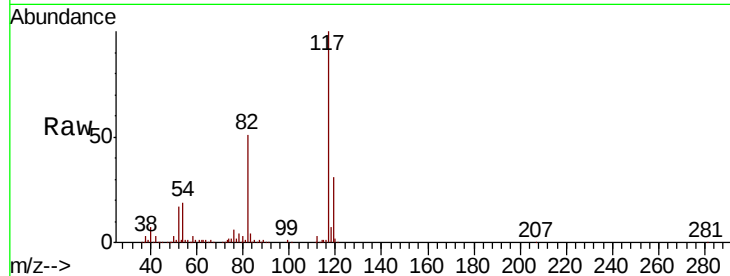




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

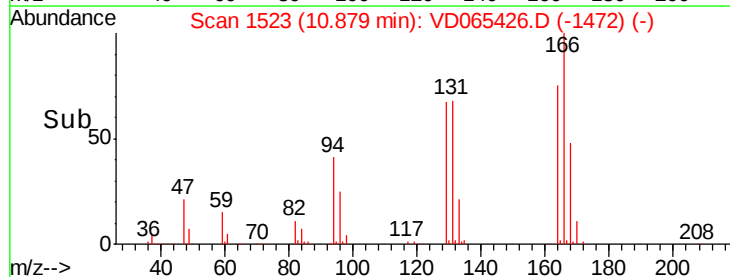
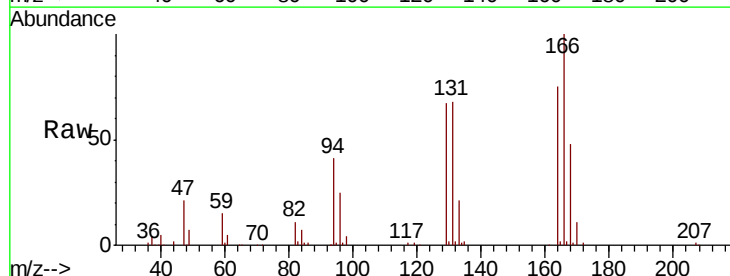
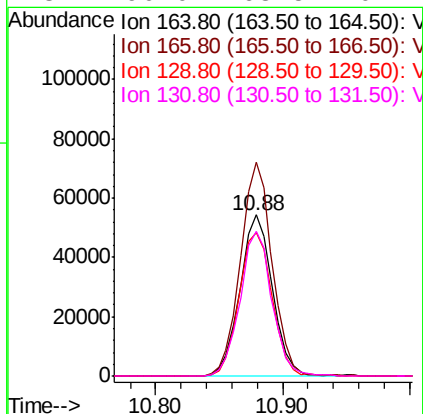
Instrument :
MSVOA_D
ClientSampled :

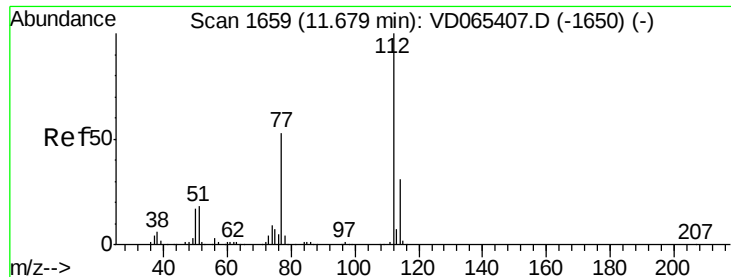
Tot Ion:117 Resp: 667755
Ion Ratio Lower Upper
117 100
82 51.3 40.6 60.8
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 20.105 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion:164 Resp: 96201
Ion Ratio Lower Upper
164 100
166 132.8 100.5 150.7
129 89.2 71.5 107.3
131 90.0 68.5 102.7

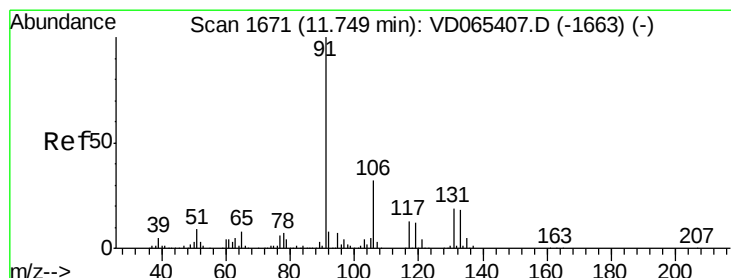
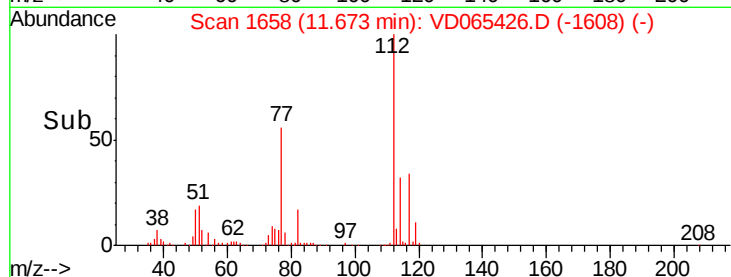
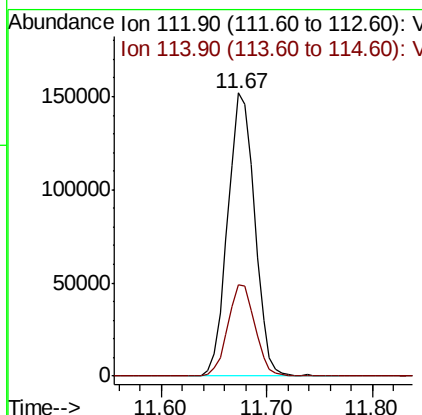
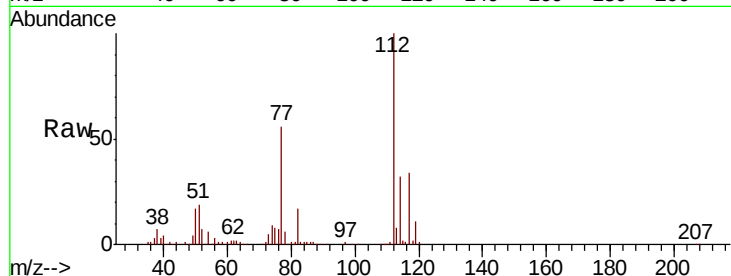




#65
Chlorobenzene
Concen: 20.272 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

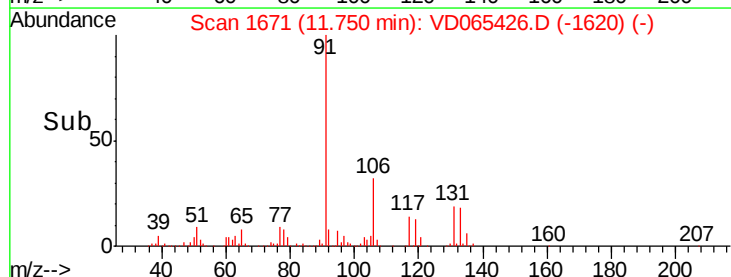
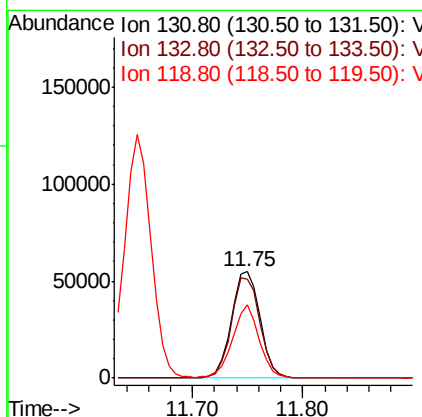
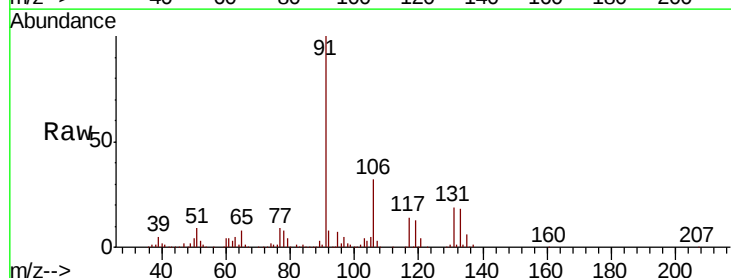
Instrument :
MSVOA_D
ClientSampleID :

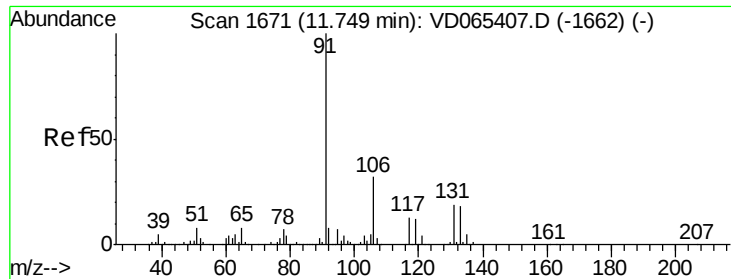
Tot Ion:112 Resp: 267878
Ion Ratio Lower Upper
112 100
114 32.3 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.860 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion:131 Resp: 100393
Ion Ratio Lower Upper
131 100
133 94.4 49.2 147.6
119 64.0 33.3 99.8





#67

Ethyl Benzene

Concen: 20.105 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

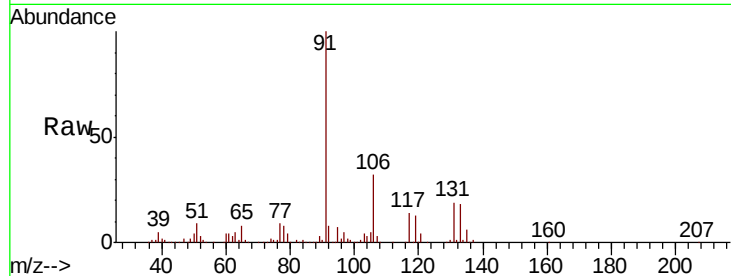
ClientSampled :

Tot Ion: 91 Resp: 459046

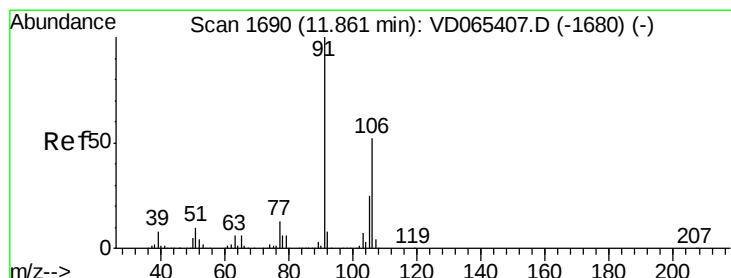
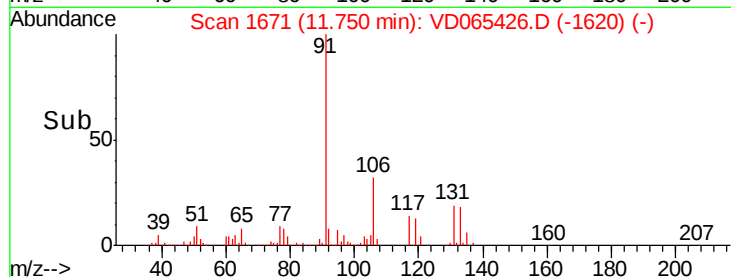
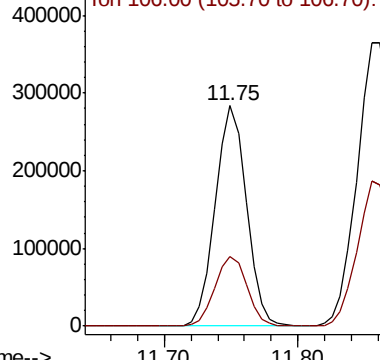
Ion Ratio Lower Upper

91 100

106 31.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.009 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065426.D

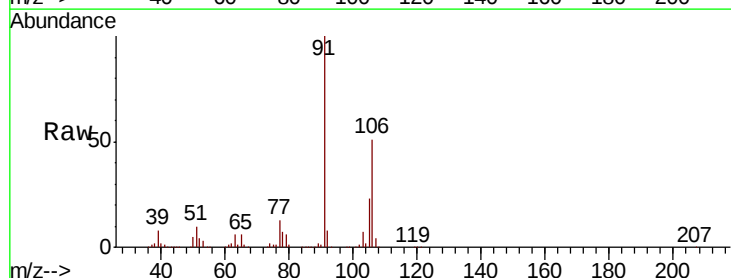
Acq: 05 Mar 2020 12:51

Tgt Ion: 106 Resp: 361037

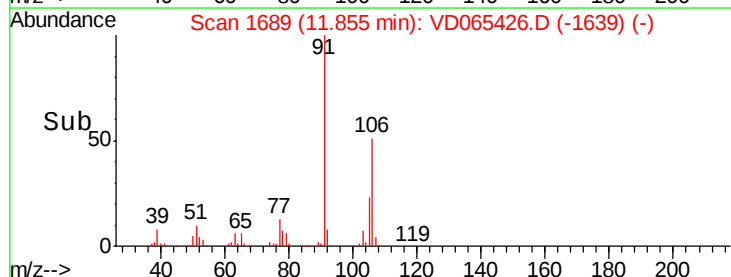
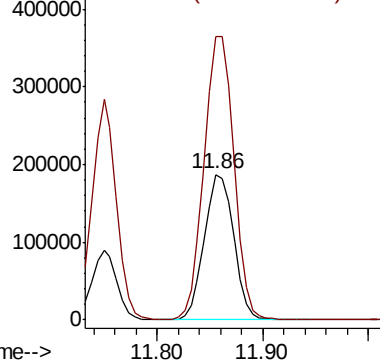
Ion Ratio Lower Upper

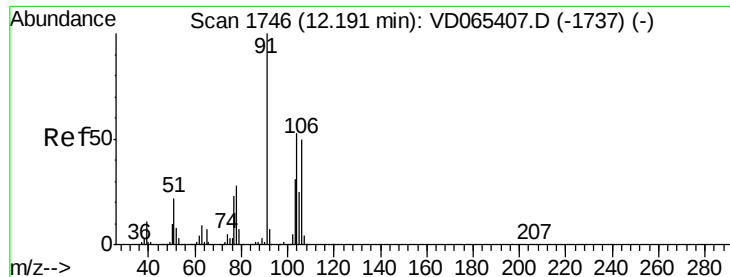
106 100

91 198.3 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

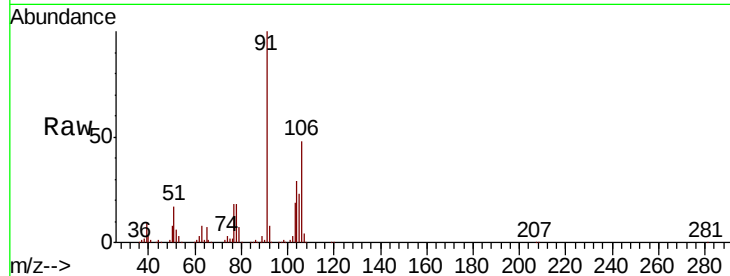




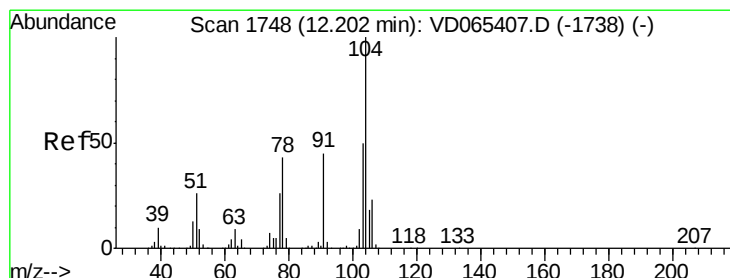
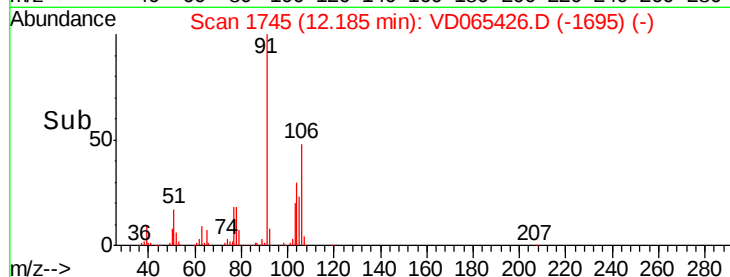
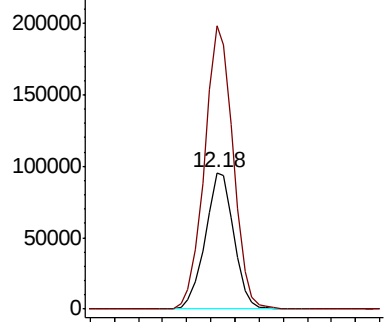
#69
o-Xylene
Concen: 20.327 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 157418
Ion Ratio Lower Upper
106 100
91 207.7 103.5 310.3

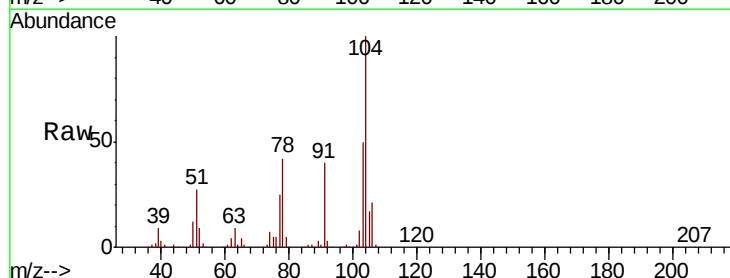


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

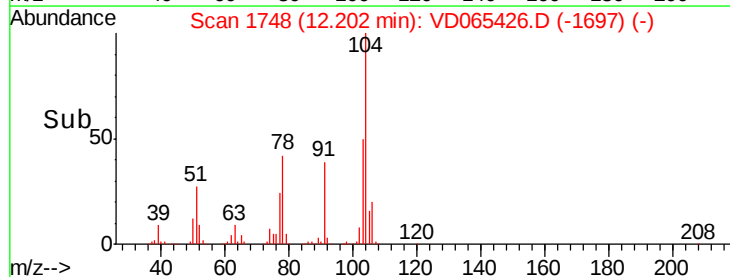
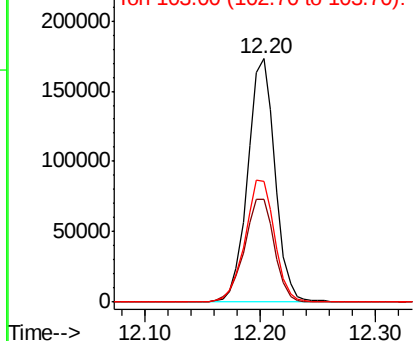


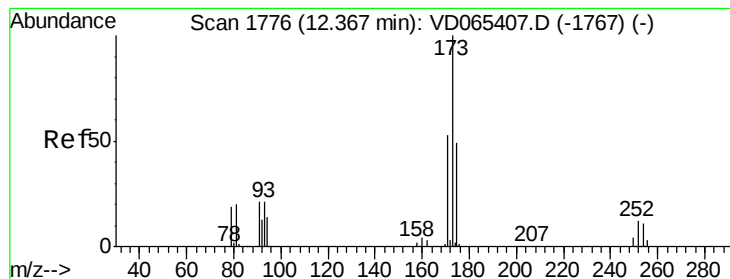
#70
Styrene
Concen: 20.914 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion:104 Resp: 285042
Ion Ratio Lower Upper
104 100
78 46.6 37.7 56.5
103 54.4 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: 20.772 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

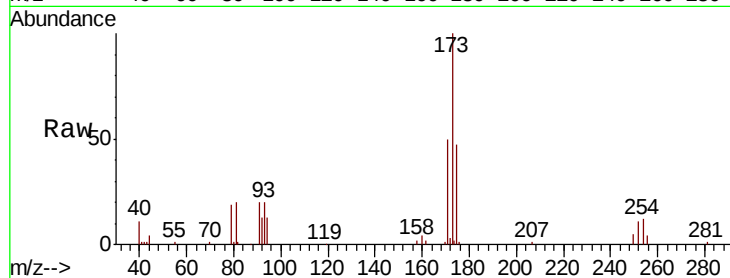
Tot Ion:173 Resp: 56152

Ion Ratio Lower Upper

173 100

175 50.2 24.3 73.0

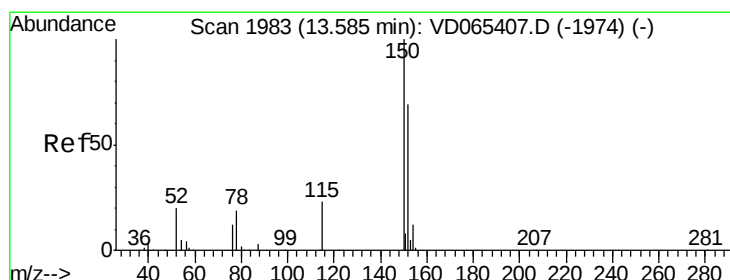
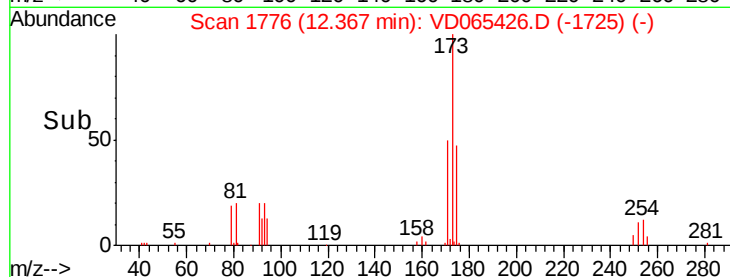
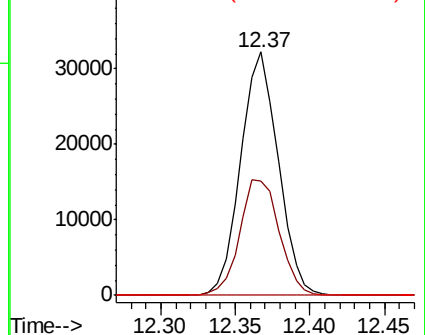
254 0.0 0.1 0.1#



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: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

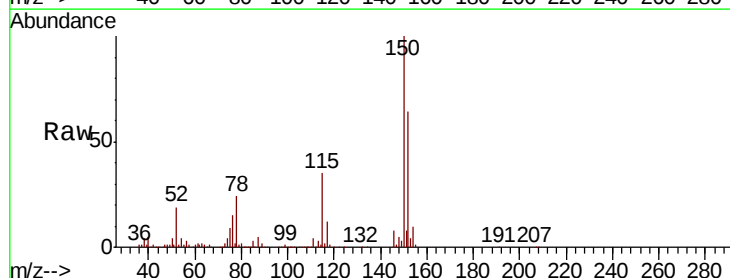
Tgt Ion:152 Resp: 334821

Ion Ratio Lower Upper

152 100

115 55.5 27.6 82.8

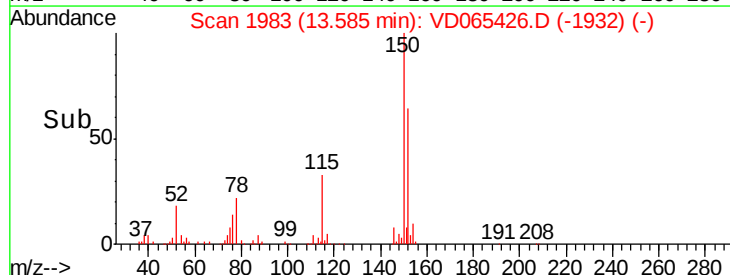
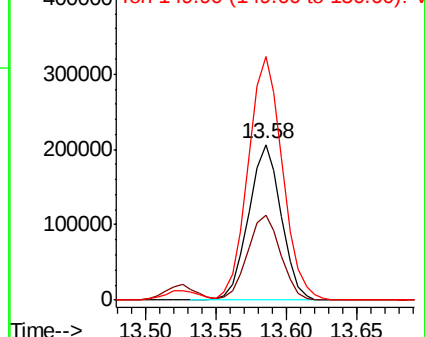
150 164.6 0.0 345.0

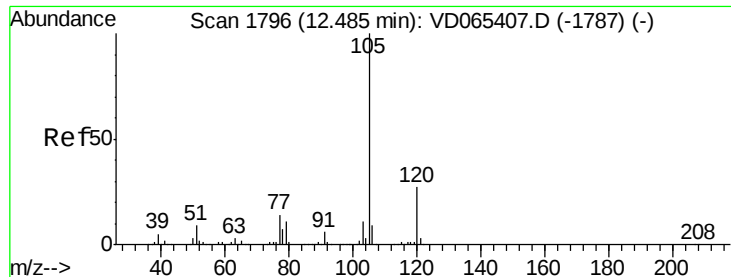


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.330 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

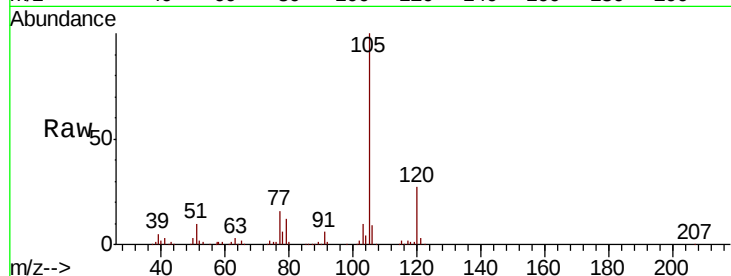
ClientSampled :

Tot Ion:105 Resp: 425697

Ion Ratio Lower Upper

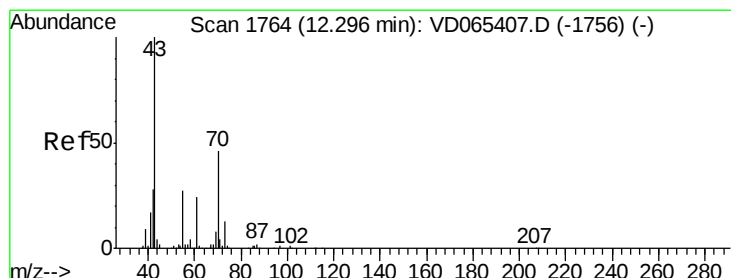
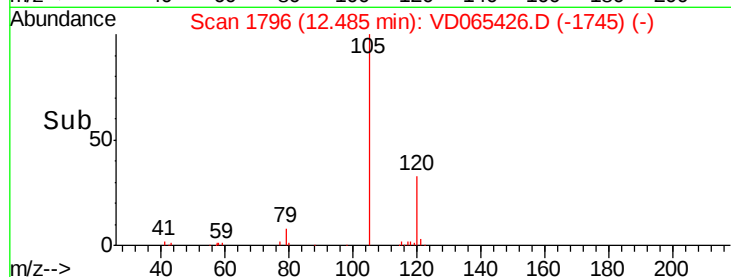
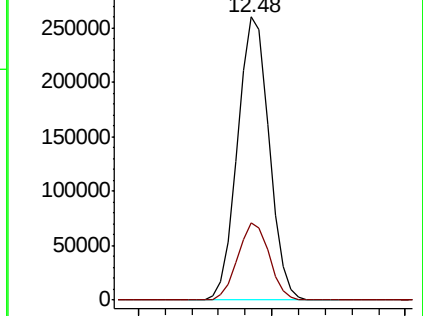
105 100

120 27.3 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: 20.148 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion: 43 Resp: 90839

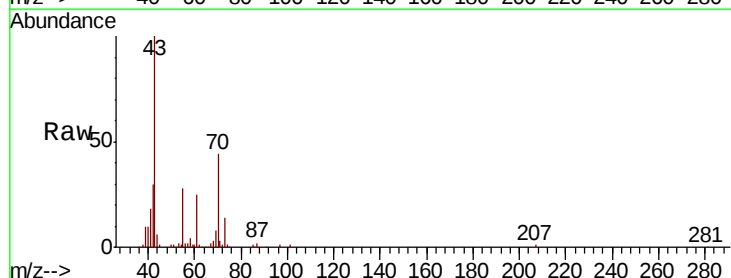
Ion Ratio Lower Upper

43 100

70 44.4 36.1 54.1

55 29.5 21.6 32.4

61 24.2 19.6 29.4

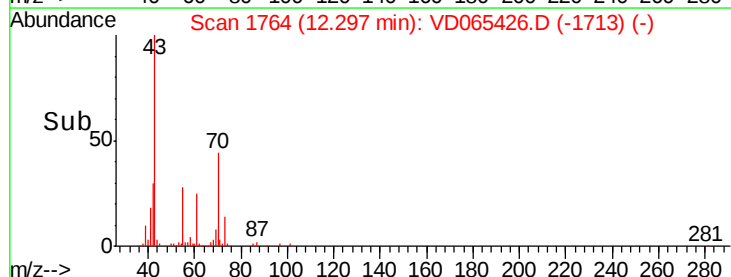
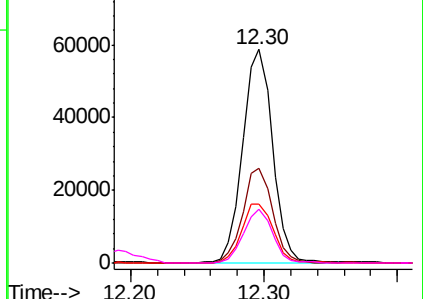


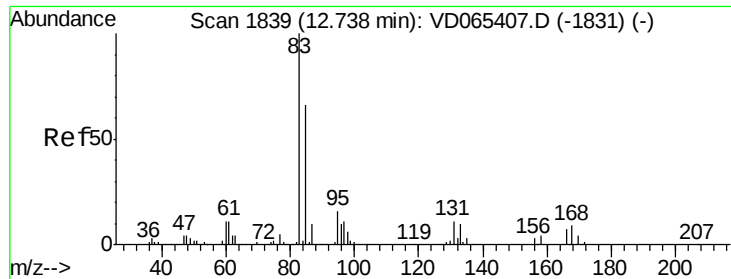
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.102 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

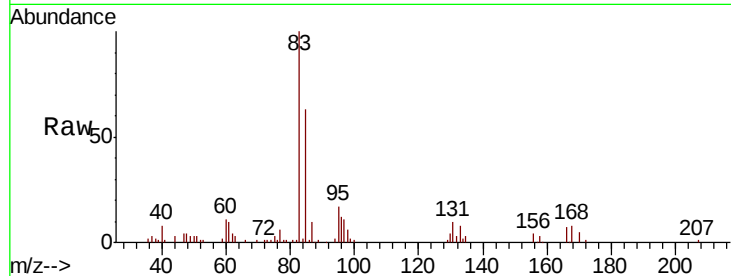
Tot Ion: 83 Resp: 81687

Ion Ratio Lower Upper

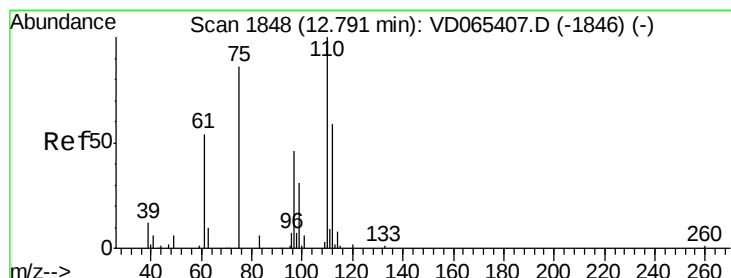
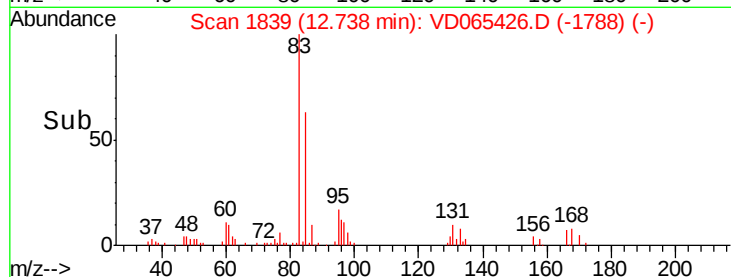
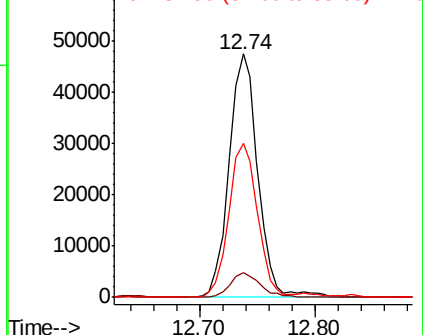
83 100

131 10.3 5.4 16.2

85 63.0 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 39.238 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065426.D

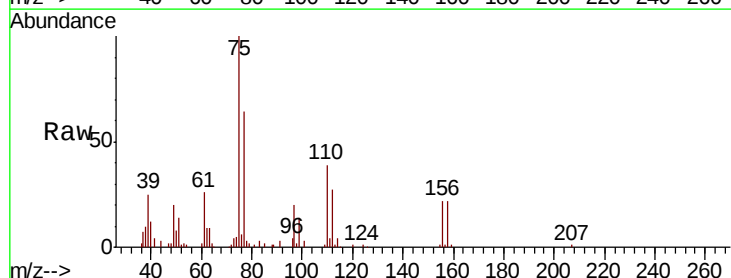
Acq: 05 Mar 2020 12:51

Tgt Ion: 75 Resp: 103668

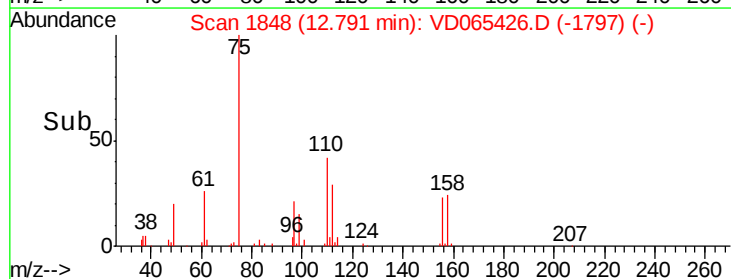
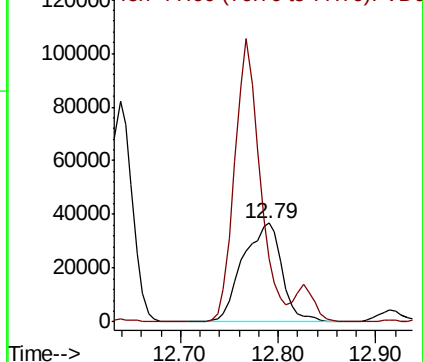
Ion Ratio Lower Upper

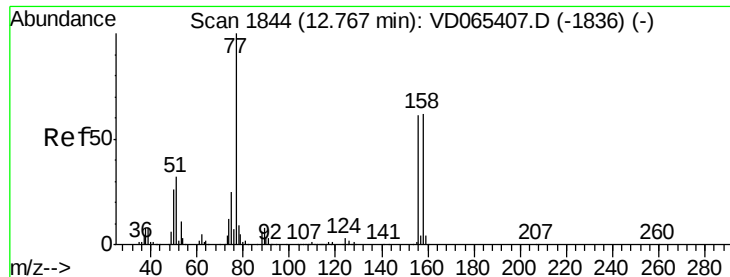
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.305 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

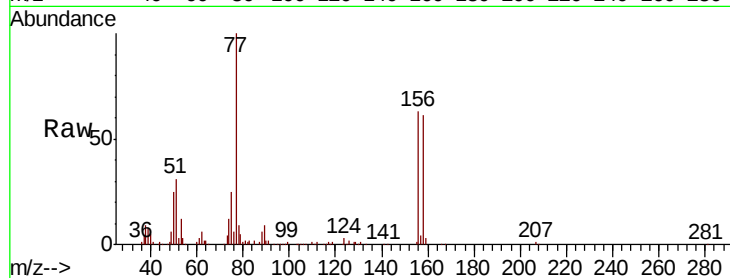
Tot Ion:156 Resp: 111098

Ion Ratio Lower Upper

156 100

77 172.8 84.9 254.6

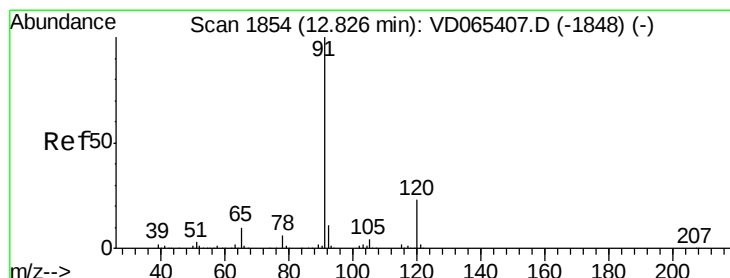
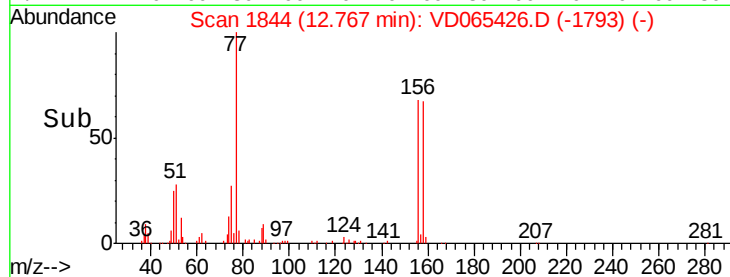
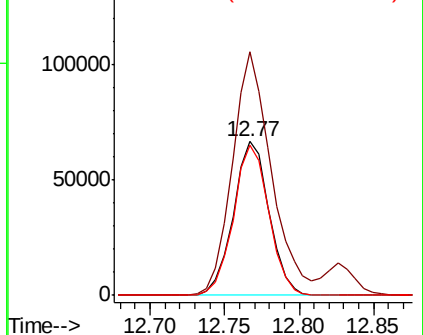
158 96.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.033 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065426.D

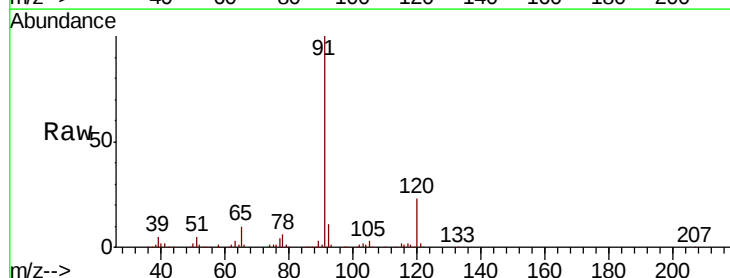
Acq: 05 Mar 2020 12:51

Tgt Ion: 91 Resp: 523466

Ion Ratio Lower Upper

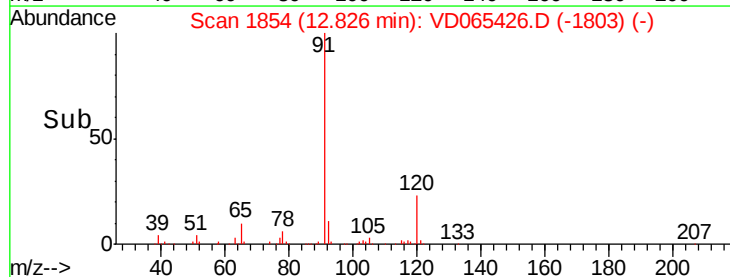
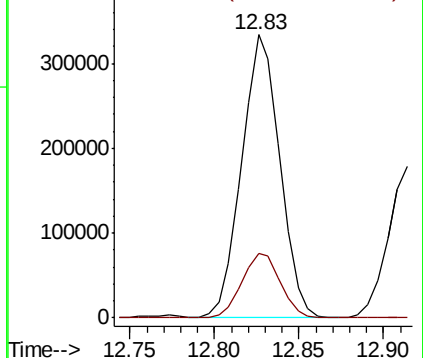
91 100

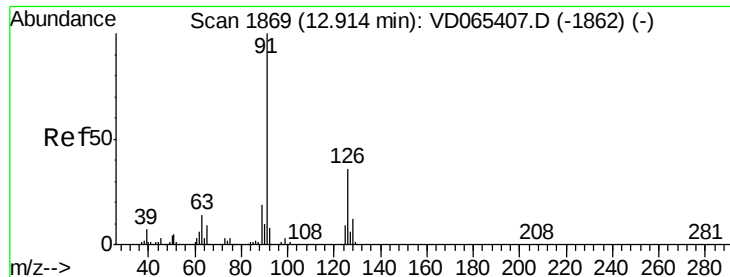
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.081 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

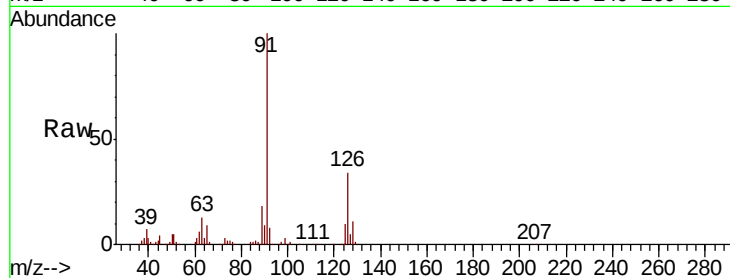
ClientSampleId :

Tot Ion: 91 Resp: 295730

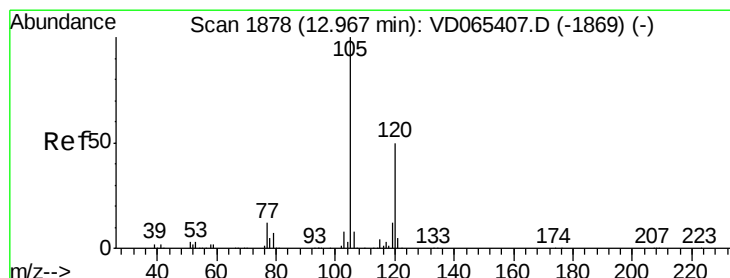
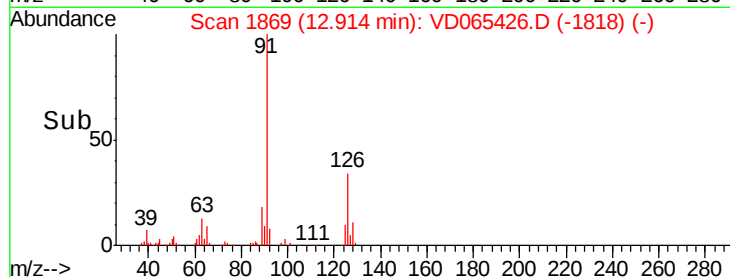
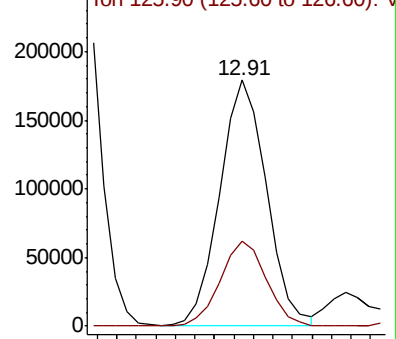
Ion Ratio Lower Upper

91 100

126 34.3 17.9 53.8



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



#80

1,3,5-Trimethylbenzene

Concen: 20.244 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065426.D

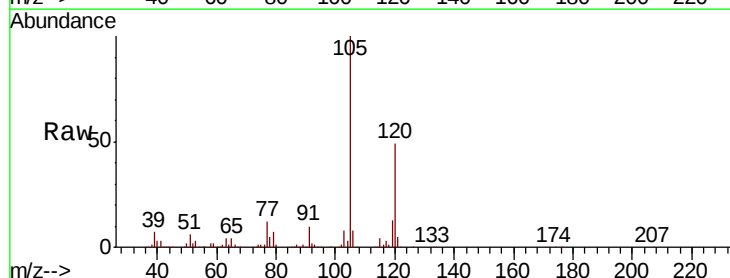
Acq: 05 Mar 2020 12:51

Tgt Ion:105 Resp: 366523

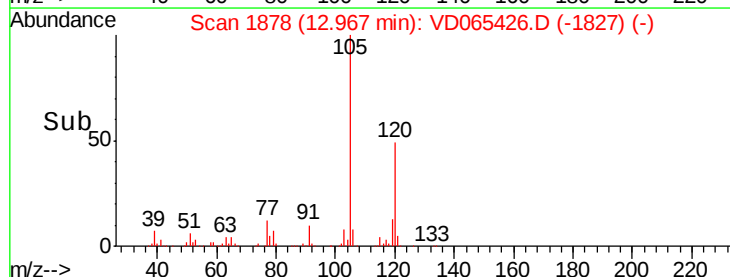
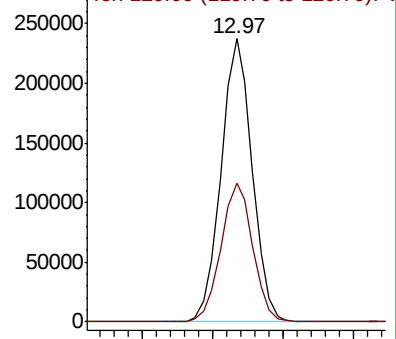
Ion Ratio Lower Upper

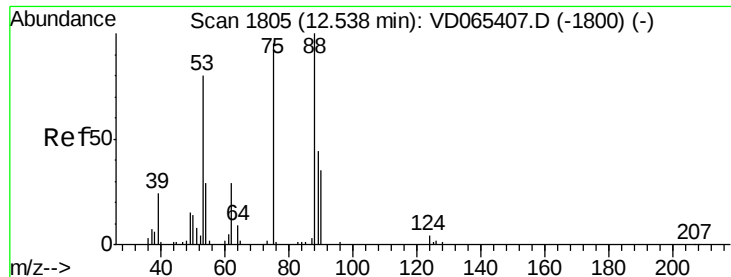
105 100

120 50.2 25.4 76.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.538 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

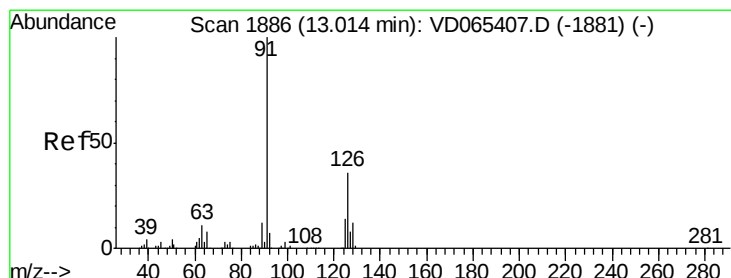
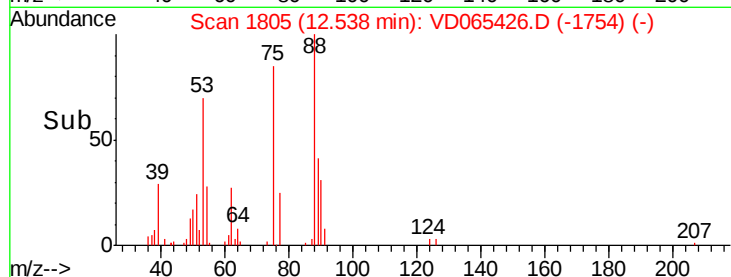
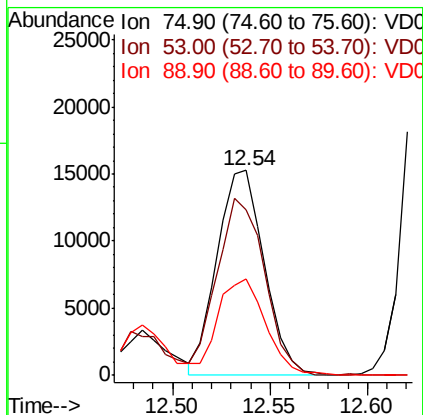
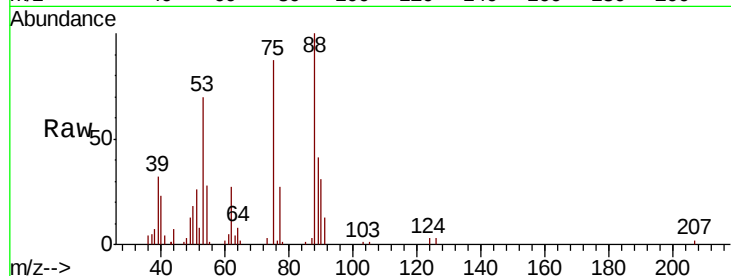
Tot Ion: 75 Resp: 25713

Ion Ratio Lower Upper

75 100

53 87.2 71.3 106.9

89 47.9 37.0 55.6



#82

4-Chlorotoluene

Concen: 20.065 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065426.D

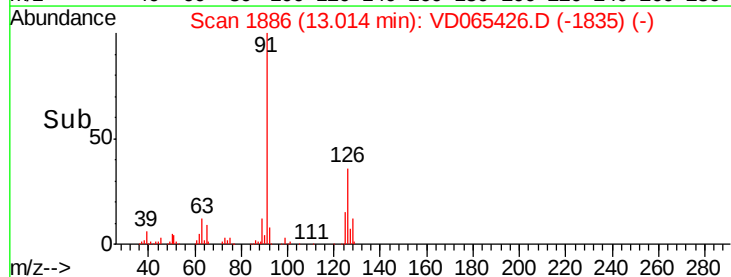
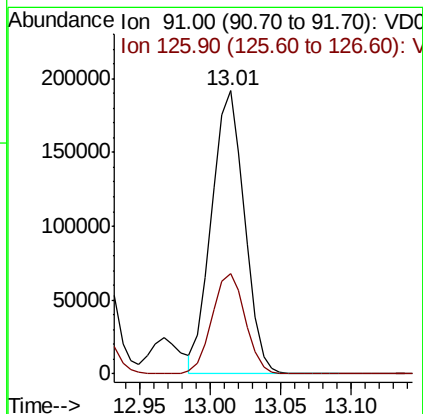
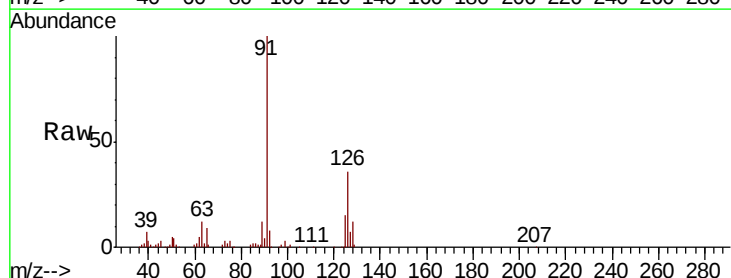
Acq: 05 Mar 2020 12:51

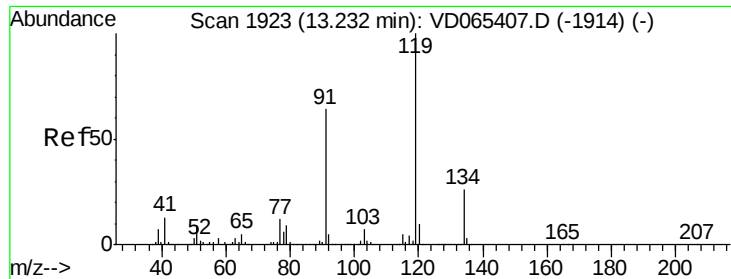
Tgt Ion: 91 Resp: 310511

Ion Ratio Lower Upper

91 100

126 35.9 17.6 52.8

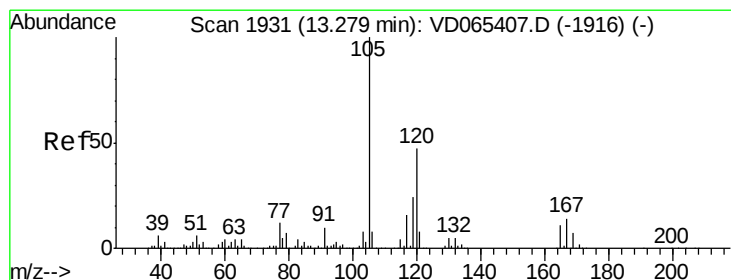
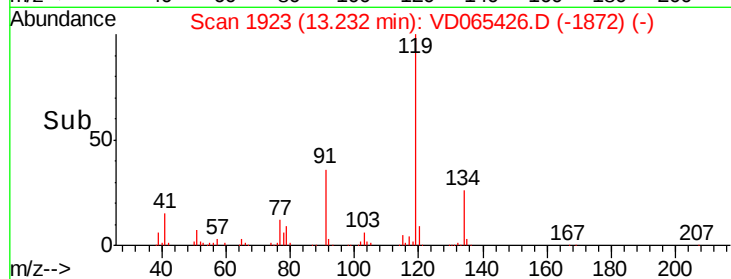
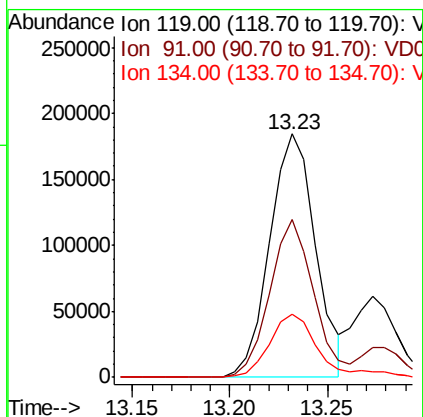
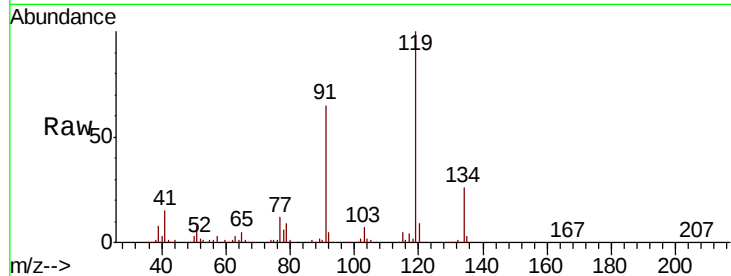




#83
tert-Butylbenzene
Concen: 19.598 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

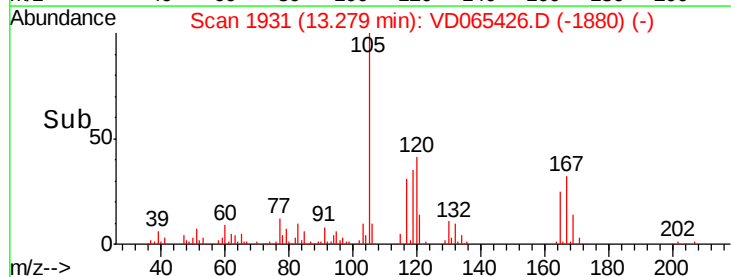
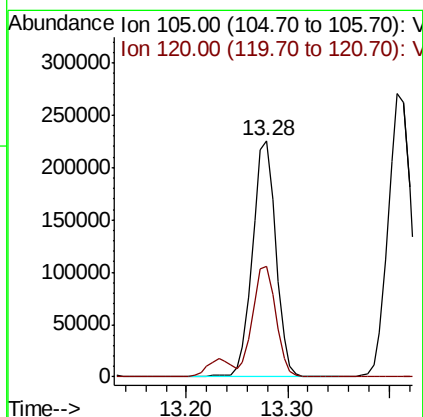
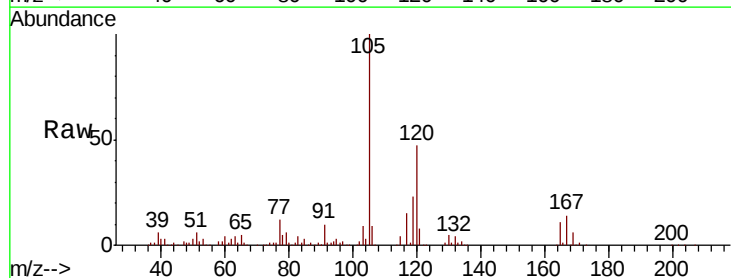
Instrument :
MSVOA_D
ClientSampled :

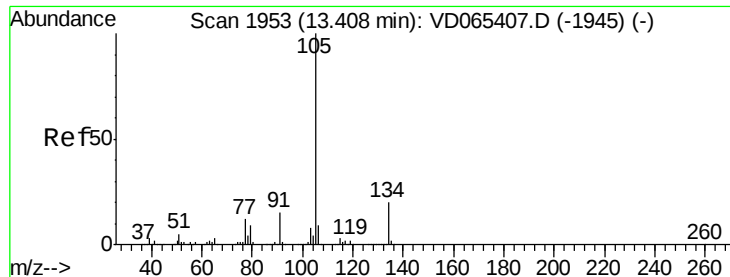
Tot Ion:119 Resp: 300180
Ion Ratio Lower Upper
119 100
91 62.4 31.6 95.0
134 28.0 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 20.300 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion:105 Resp: 362279
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.712 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

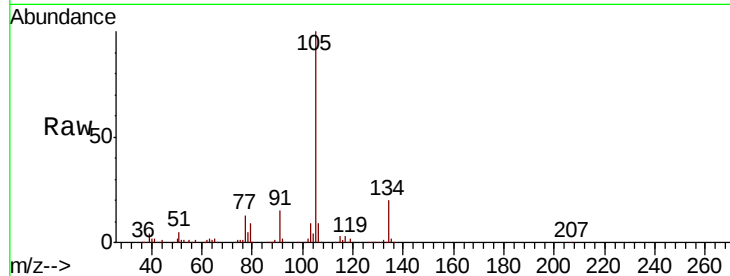
ClientSampleId :

Tot Ion:105 Resp: 430985

Ion Ratio Lower Upper

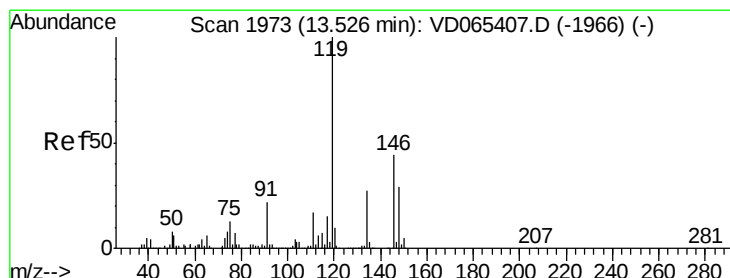
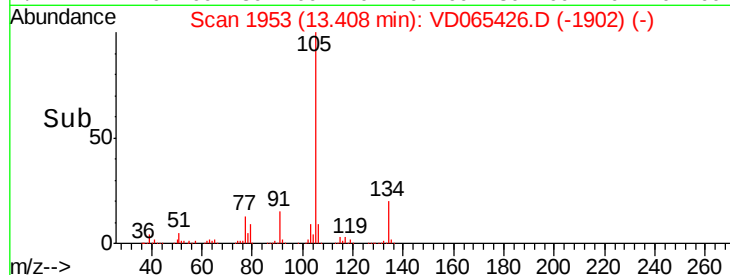
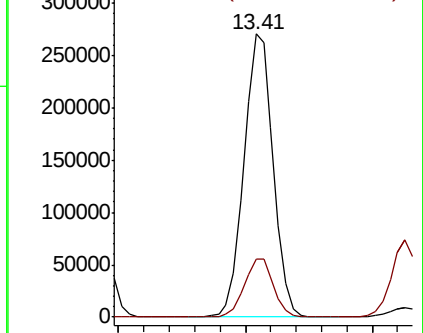
105 100

134 20.7 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: 19.771 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

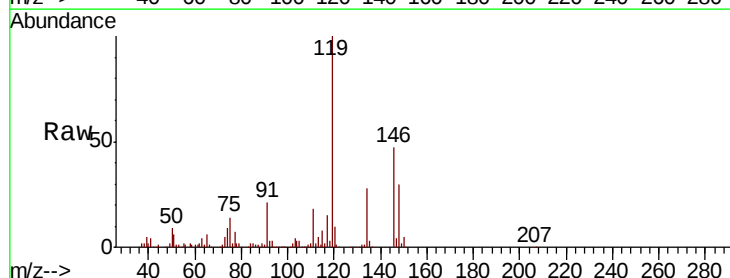
Tgt Ion:119 Resp: 394440

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

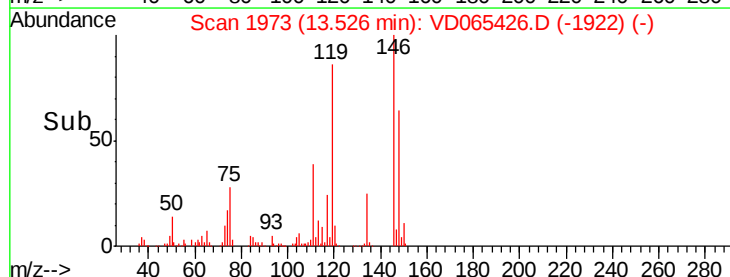
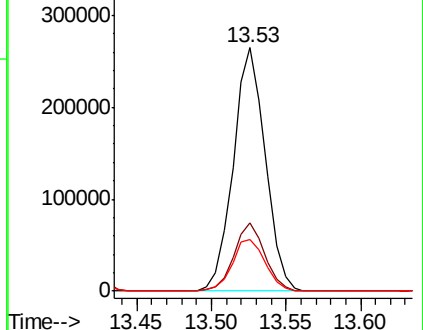
91 21.7 10.9 32.6

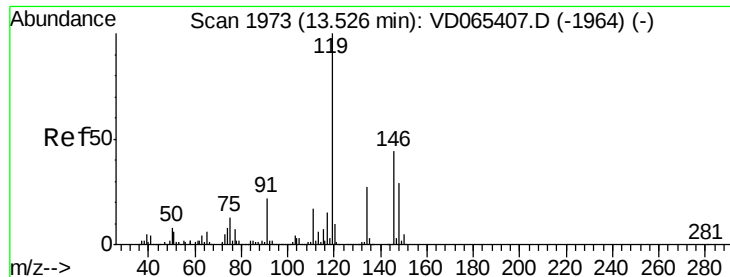


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

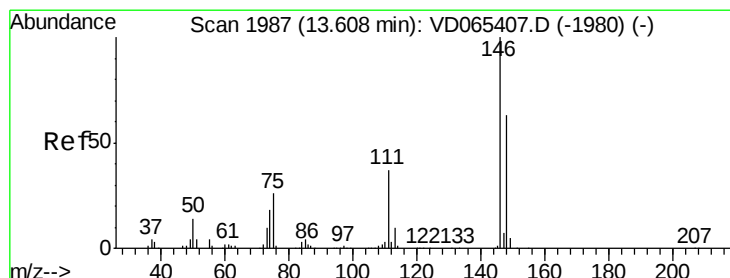
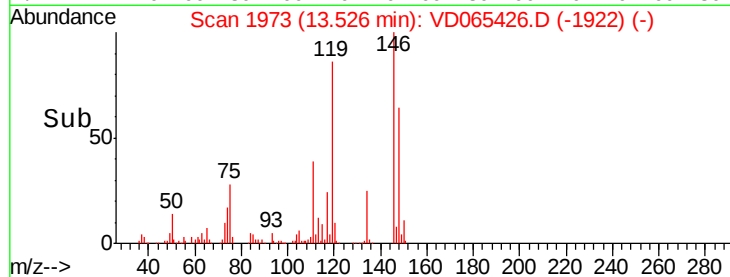
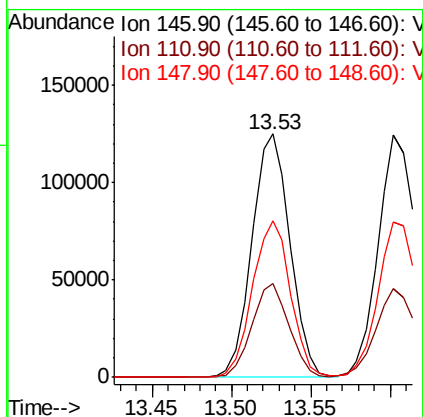
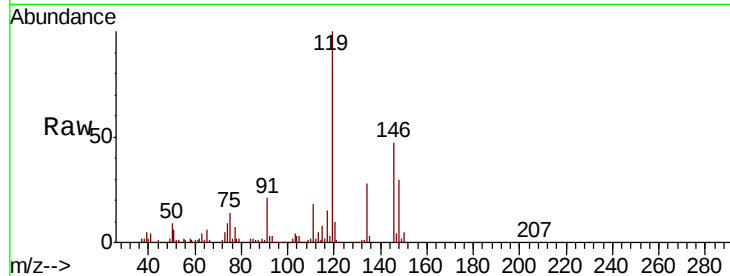




#87
 1,3-Dichlorobenzene
 Concen: 19.851 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

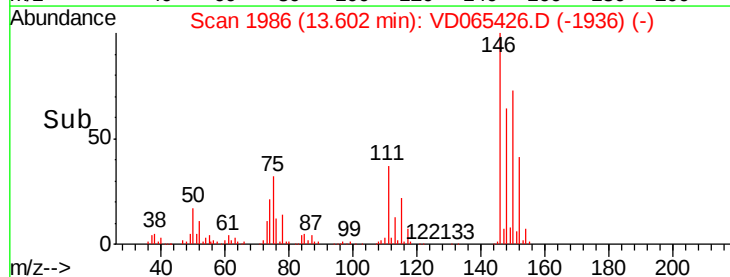
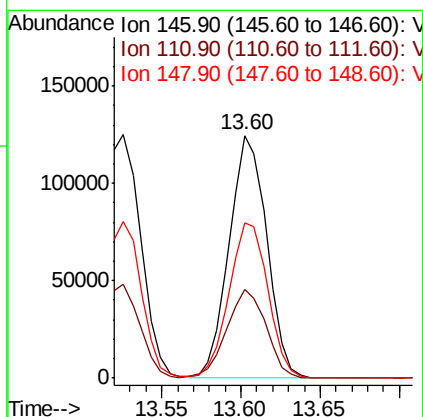
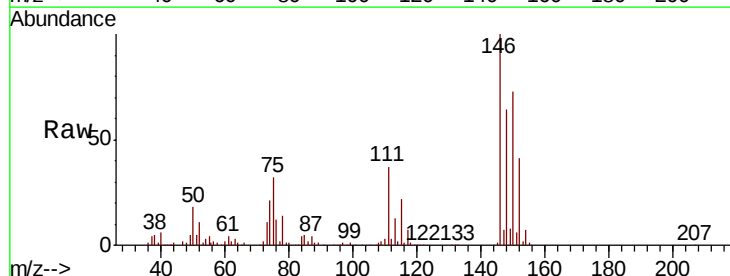
Instrument :
 MSVOA_D
 ClientSampleId :

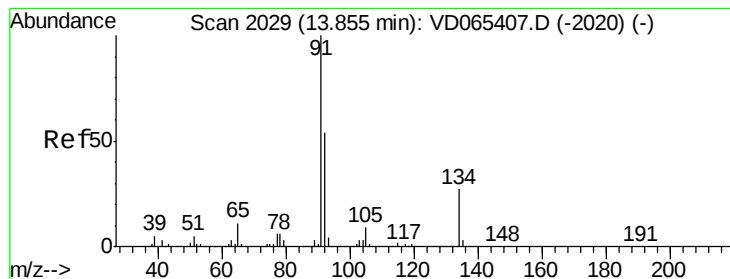
Tot Ion:146 Resp: 208827
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.1
 148 64.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 19.620 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion:146 Resp: 205305
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.5 55.5
 148 65.8 32.0 96.0





#89

n-Butylbenzene

Concen: 19.244 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

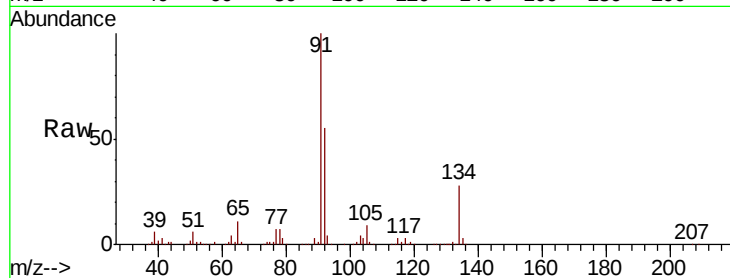
Tot Ion: 91 Resp: 354955

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	26.6	13.4	40.2

91 100

92 53.7 26.8 80.4

134 26.6 13.4 40.2

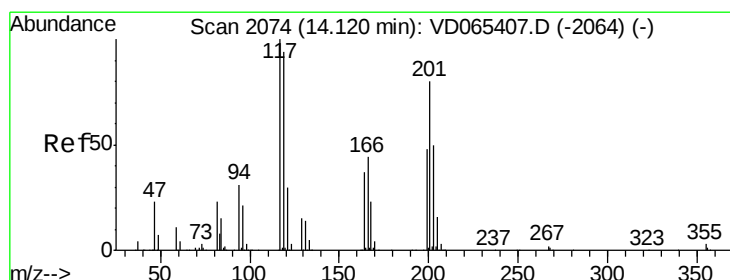
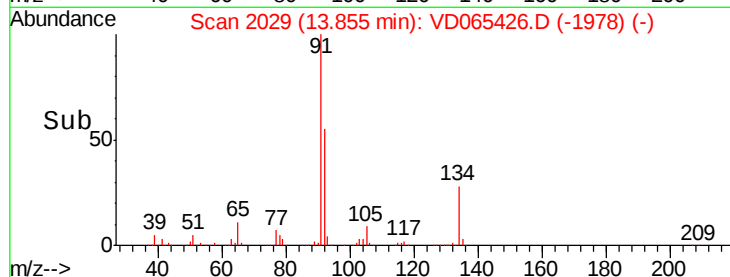
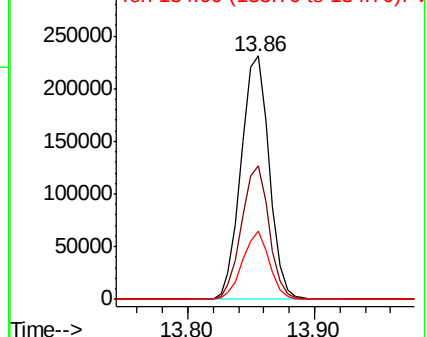


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 19.444 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065426.D

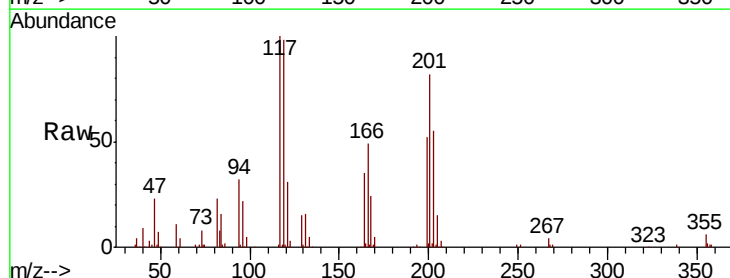
Acq: 05 Mar 2020 12:51

Tgt Ion: 117 Resp: 79886

Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.9	125.6

117 100

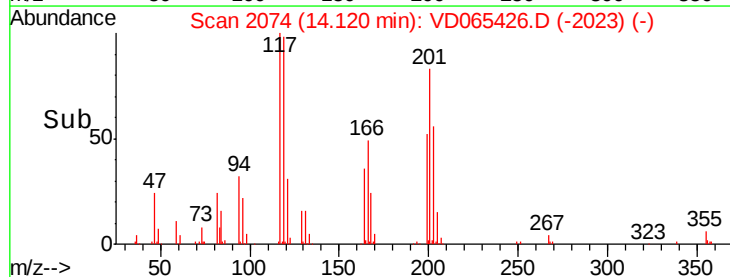
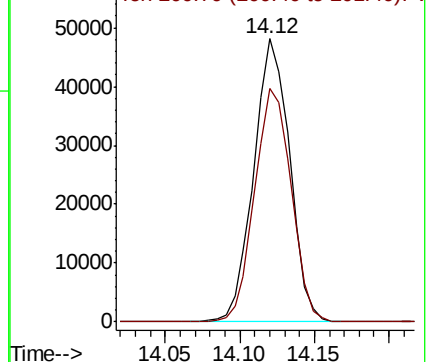
201 84.2 41.9 125.6

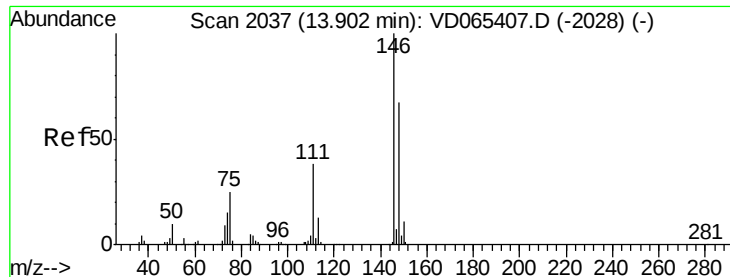


Abundance

Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

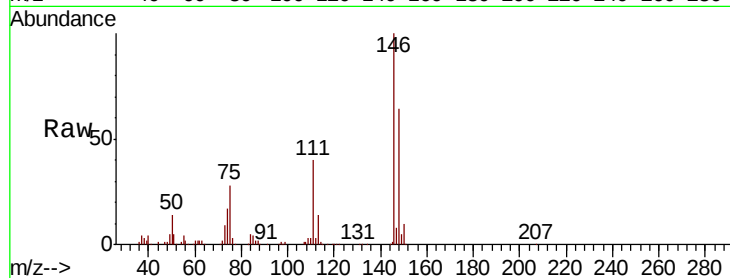




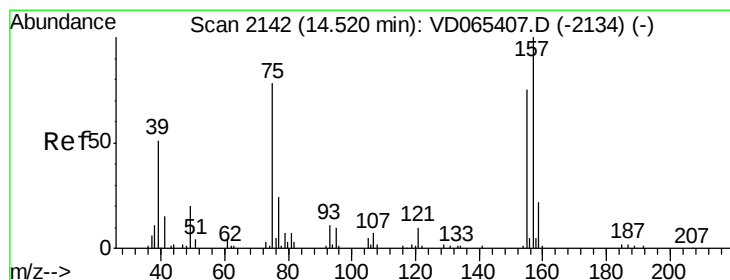
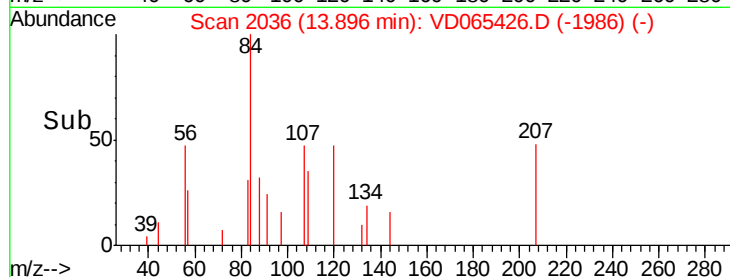
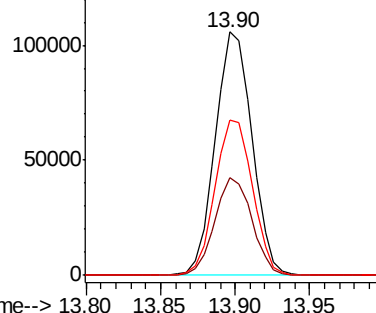
#91
 1,2-Dichlorobenzene
 Concen: 20.121 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.8	59.3
148	64.9	32.6	97.8

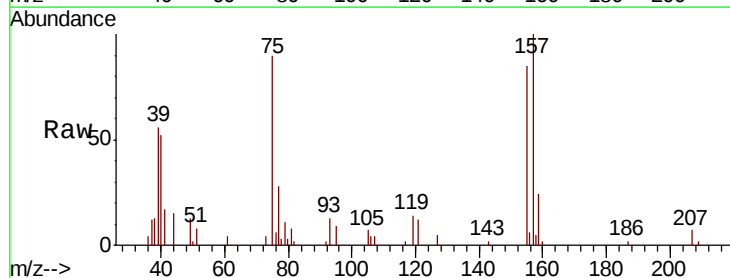


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

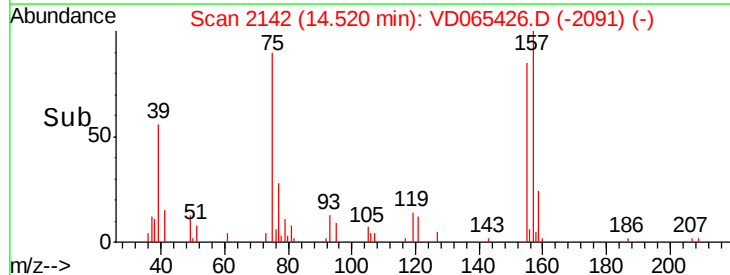
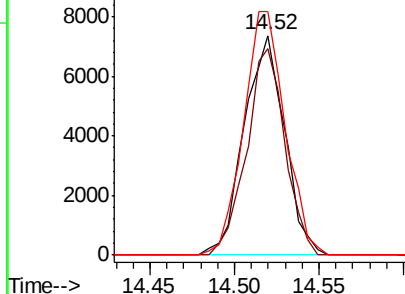


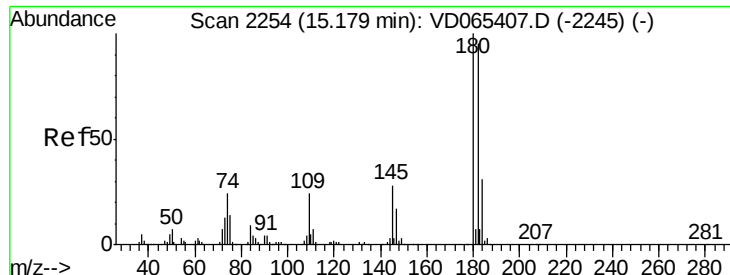
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.853 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	46.4	139.1
157	114.0	60.2	180.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

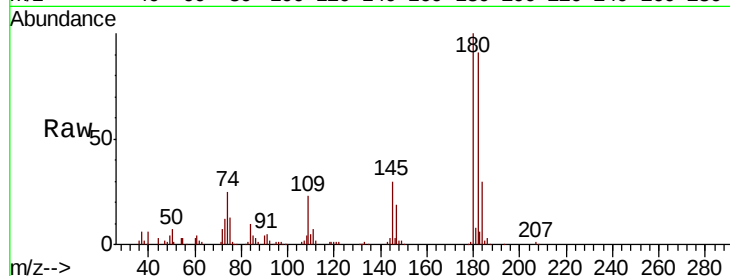




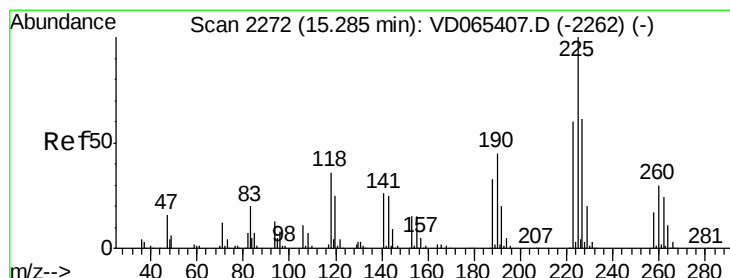
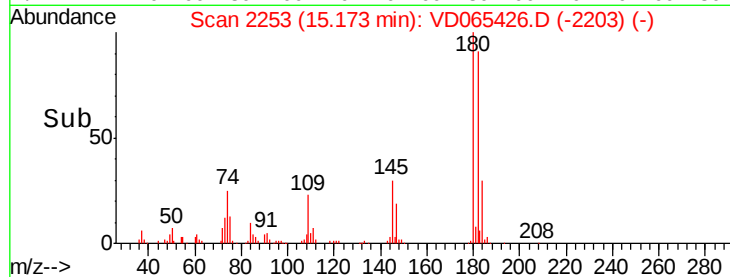
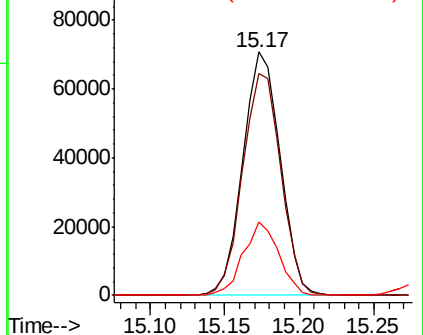
#93
 1,2,4-Trichlorobenzene
 Concen: 20.169 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.3	144.9
145	28.6	14.4	43.4

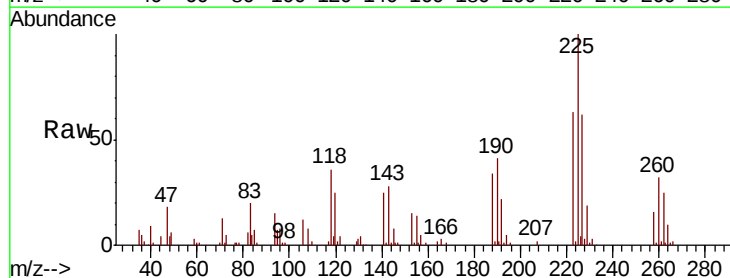


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

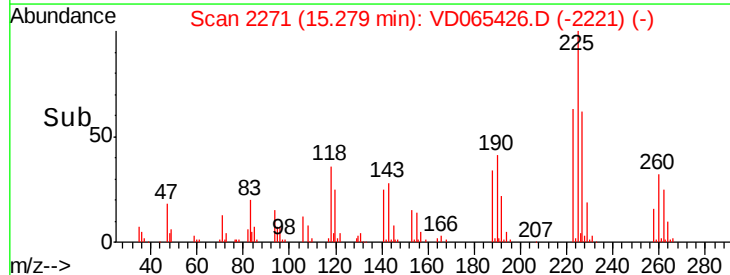
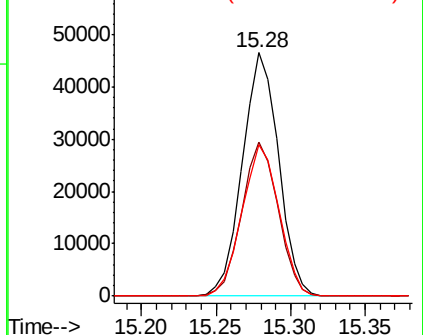


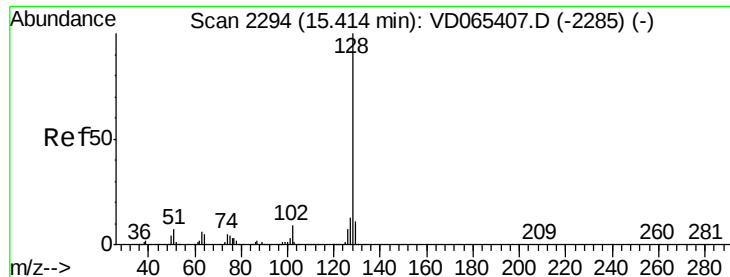
#94
 Hexachlorobutadiene
 Concen: 19.610 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.9	92.5
227	63.6	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: 20.483 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

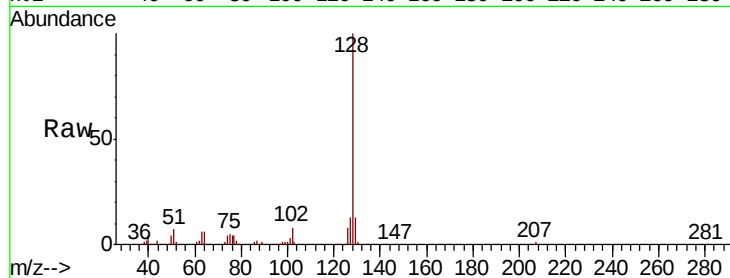
Tot Ion:128 Resp: 190649

Ion Ratio Lower Upper

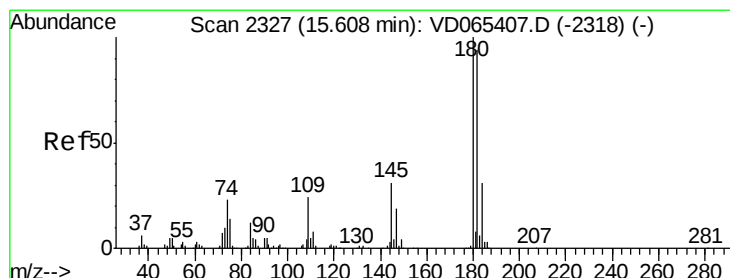
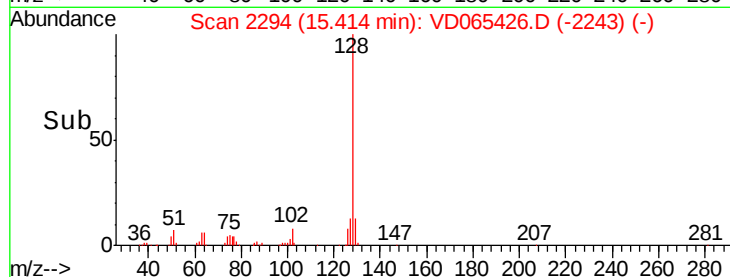
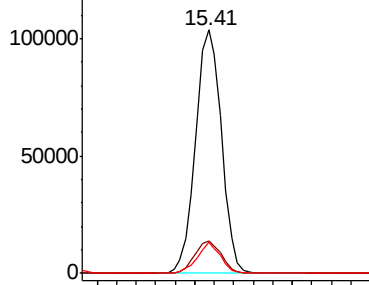
128 100

127 13.6 10.6 16.0

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.509 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

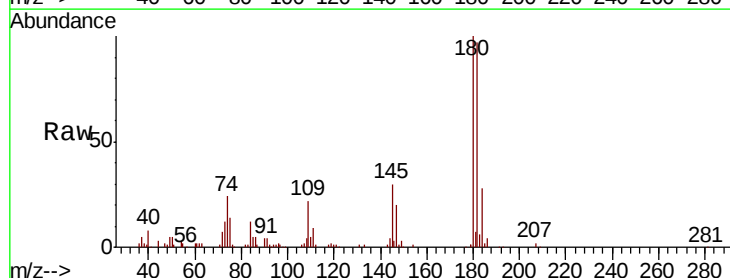
Tgt Ion:180 Resp: 107527

Ion Ratio Lower Upper

180 100

182 95.5 46.9 140.6

145 29.9 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

