

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065457.D
 Acq On : 09 Mar 2020 18:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	459710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	675685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205920	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	7.92	113	222759	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.34	98	868839	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.64	95	267612	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	164402	41.611	ug/l	98
3) Chloromethane	2.21	50	212349	44.518	ug/l	99
4) Vinyl Chloride	2.35	62	213753	45.433	ug/l	99
5) Bromomethane	2.77	94	140083	53.469	ug/l	98
6) Chloroethane	2.93	64	134962	46.837	ug/l	98
7) Trichlorofluoromethane	3.27	101	316321	45.629	ug/l	99
8) Diethyl Ether	3.71	74	100647	48.820	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	208331	46.660	ug/l	99
10) Methyl Iodide	4.30	142	233770	50.397	ug/l	99
11) Tert butyl alcohol	5.25	59	54682	241.751	ug/l	99
12) 1,1-Dichloroethene	4.06	96	196479	45.956	ug/l	97
13) Acrolein	3.92	56	71964	184.479	ug/l	97
14) Allyl chloride	4.71	41	319515	48.649	ug/l	99
15) Acrylonitrile	5.43	53	222089	247.623	ug/l	99
16) Acetone	4.16	43	170023	213.192	ug/l	99
17) Carbon Disulfide	4.40	76	644939	45.298	ug/l	100
18) Methyl Acetate	4.73	43	95739	47.325	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	424743	51.661	ug/l	96
20) Methylene Chloride	4.96	84	238951	55.558	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	232914	48.973	ug/l	95
22) Diisopropyl ether	6.37	45	649397	53.190	ug/l	98
23) Vinyl Acetate	6.31	43	1795257	264.825	ug/l	100
24) 1,1-Dichloroethane	6.26	63	386393	49.341	ug/l	99
25) 2-Butanone	7.22	43	258505	237.525	ug/l	99
26) 2,2-Dichloropropane	7.21	77	323187	47.226	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	248694	51.158	ug/l	99
28) Bromochloromethane	7.55	49	165420	52.798	ug/l	99
29) Tetrahydrofuran	7.57	42	175063	251.883	ug/l	99
30) Chloroform	7.71	83	397413	50.773	ug/l	99
31) Cyclohexane	7.98	56	356472	45.524	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	349399	48.304	ug/l	99
36) 1,1-Dichloropropene	8.11	75	317828	49.071	ug/l	100
37) Ethyl Acetate	7.30	43	124885	49.886	ug/l	99
38) Carbon Tetrachloride	8.10	117	321171	47.819	ug/l	96

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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)
39) Methylcyclohexane	9.36	83	381119	48.720	ug/l	96
40) Benzene	8.36	78	915795	50.571	ug/l	100
41) Methacrylonitrile	7.53	41	70553	53.290	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	238253	50.384	ug/l	100
43) Isopropyl Acetate	8.46	43	229628	49.677	ug/l	99
44) Trichloroethene	9.11	130	248915	48.672	ug/l	99
45) 1,2-Dichloropropane	9.39	63	226700	51.680	ug/l	95
46) Dibromomethane	9.48	93	116993	51.417	ug/l	99
47) Bromodichloromethane	9.67	83	303123	51.208	ug/l	98
48) Methyl methacrylate	9.46	41	108049	49.693	ug/l	100
49) 1,4-Dioxane	9.47	88	25084	963.777	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	611041	262.691	ug/l	100
52) Toluene	10.41	92	582196	51.033	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	284381	51.408	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	343731	51.335	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	165307	51.295	ug/l	99
56) Ethyl methacrylate	10.67	69	191562	52.727	ug/l	99
57) 1,3-Dichloropropane	10.95	76	276158	50.646	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	262542	231.379	ug/l	100
59) 2-Hexanone	10.99	43	400416	248.673	ug/l	99
60) Dibromochloromethane	11.14	129	212172	51.362	ug/l	99
61) 1,2-Dibromoethane	11.25	107	155495	50.585	ug/l	98
64) Tetrachloroethene	10.88	164	214236	48.666	ug/l	97
65) Chlorobenzene	11.67	112	604984	49.763	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	227169	51.306	ug/l	97
67) Ethyl Benzene	11.75	91	1081178	51.469	ug/l	100
68) m/p-Xylenes	11.86	106	840309	103.744	ug/l	100
69) o-Xylene	12.18	106	374445	52.554	ug/l	100
70) Styrene	12.20	104	668072	53.277	ug/l	99
71) Bromoform	12.37	173	124662	50.124	ug/l #	100
73) Isopropylbenzene	12.48	105	1004079	50.854	ug/l	99
74) N-amyl acetate	12.30	43	203761	50.409	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	169466	48.829	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	220115	92.928	ug/l #	100
77) Bromobenzene	12.77	156	248383	50.634	ug/l	100
78) n-propylbenzene	12.83	91	1203478	51.372	ug/l	100
79) 2-Chlorotoluene	12.91	91	663385	50.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	833786	51.367	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	53368	47.547	ug/l	97
82) 4-Chlorotoluene	13.01	91	709418	51.133	ug/l	100
83) tert-Butylbenzene	13.23	119	705252	51.357	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	828131	51.758	ug/l	99
85) sec-Butylbenzene	13.41	105	982813	50.139	ug/l	99
86) p-Isopropyltoluene	13.52	119	910304	50.893	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	467086	49.526	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	455703	48.575	ug/l	99
89) n-Butylbenzene	13.85	91	822896	49.763	ug/l	100
90) Hexachloroethane	14.12	117	179162	48.639	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	398687	49.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25397	48.050	ug/l	97

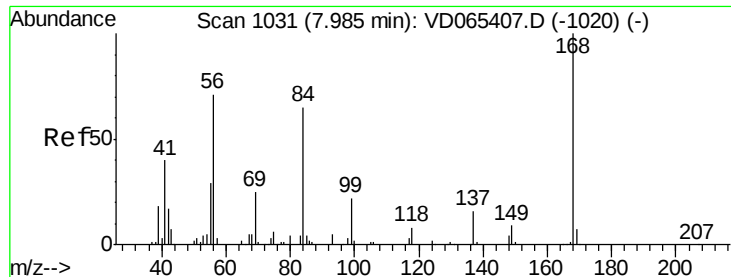
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	268082	49.283	ug/l	98
94) Hexachlorobutadiene	15.28	225	167952	46.990	ug/l	97
95) Naphthalene	15.41	128	436963	45.505	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	230423	49.020	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

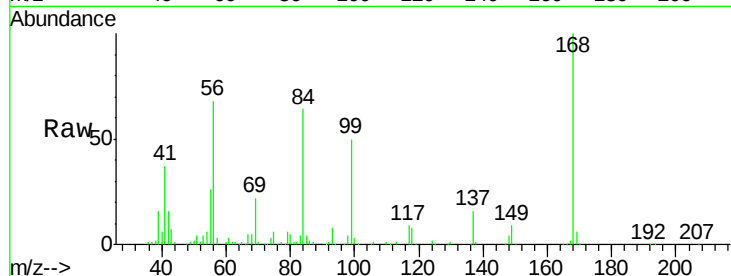
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 459710

Ion Ratio Lower Upper

168 100

99 50.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

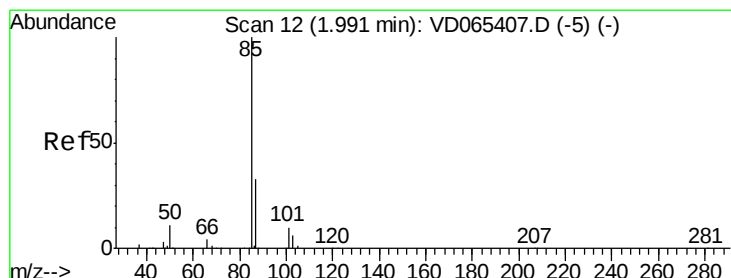
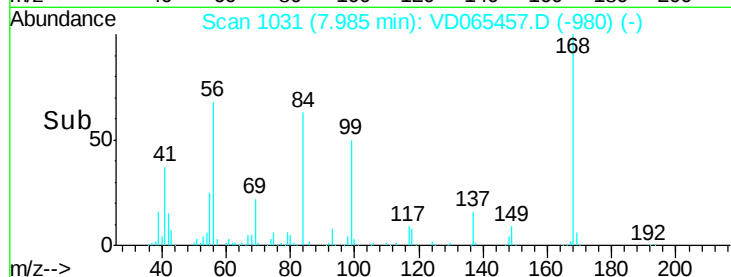
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.611 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065457.D

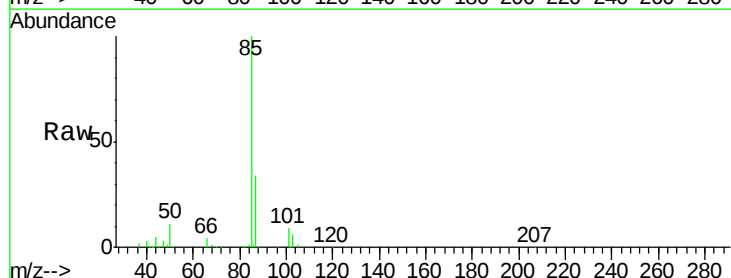
Acq: 09 Mar 2020 18:42

Tgt Ion: 85 Resp: 164402

Ion Ratio Lower Upper

85 100

87 34.0 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

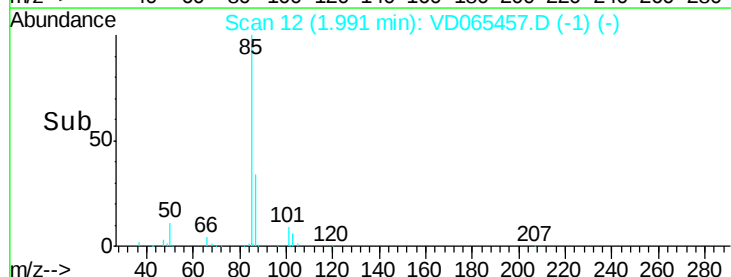
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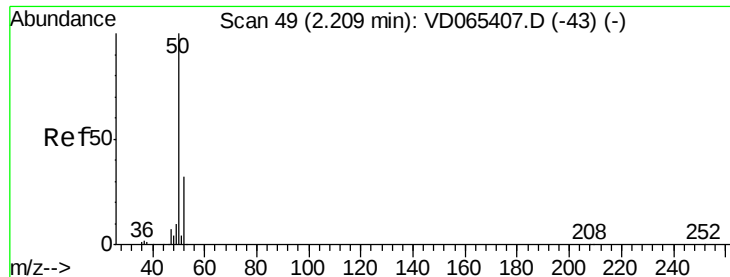
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.518 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

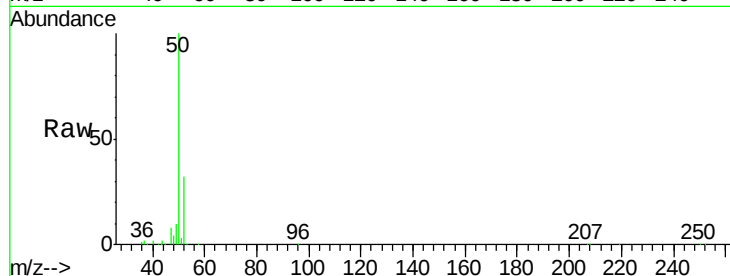
ClientSampleId :

Tot Ion: 50 Resp: 212349

Ion Ratio Lower Upper

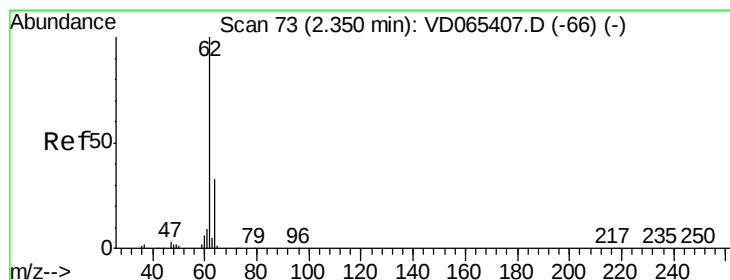
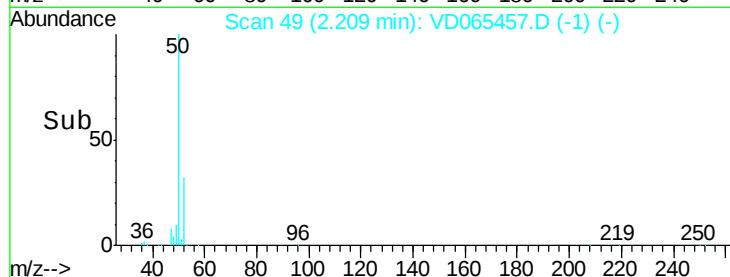
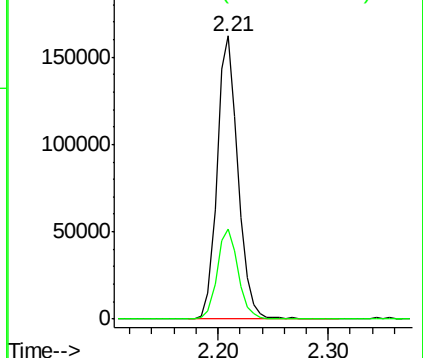
50 100

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: 45.433 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065457.D

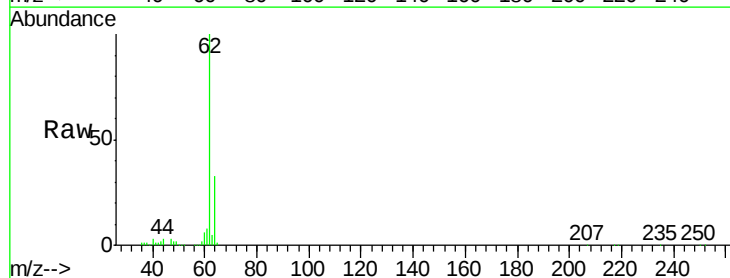
Acq: 09 Mar 2020 18:42

Tgt Ion: 62 Resp: 213753

Ion Ratio Lower Upper

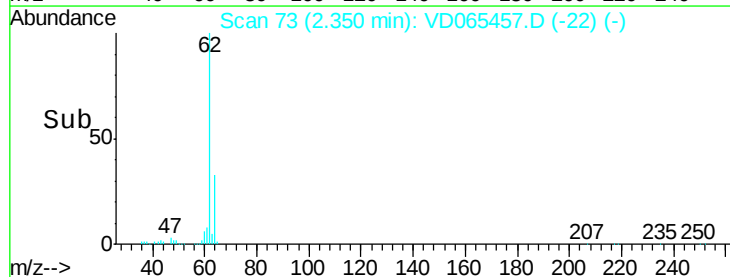
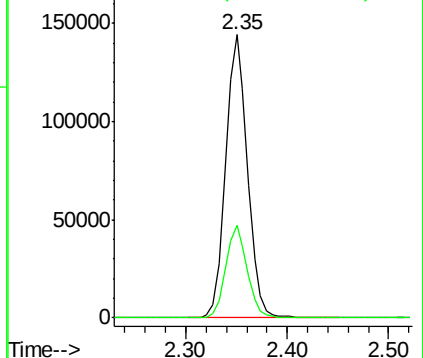
62 100

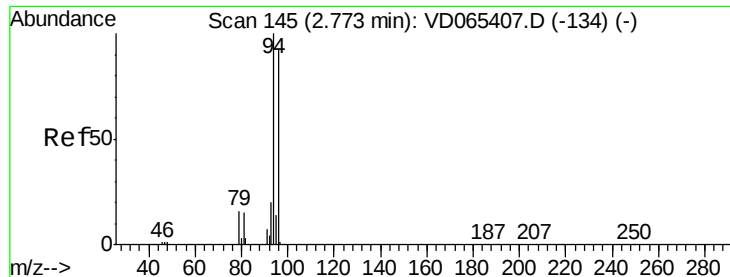
64 32.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.469 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

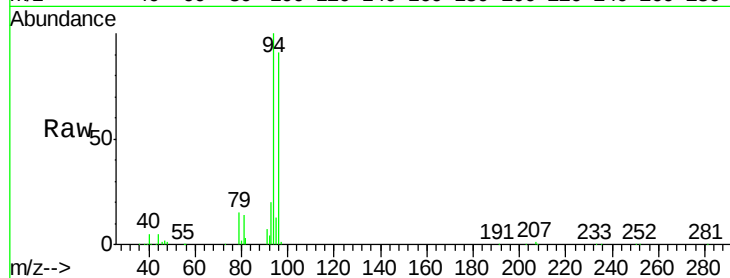
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 140083

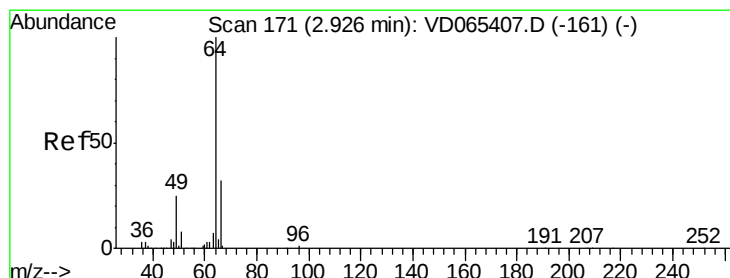
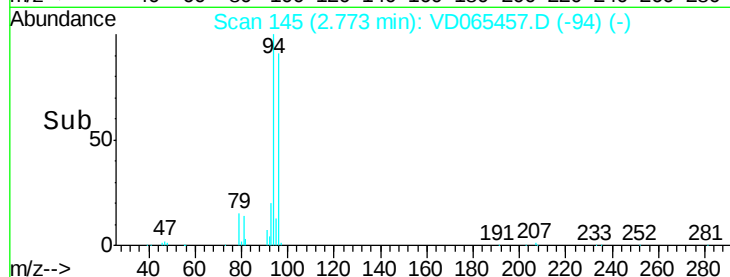
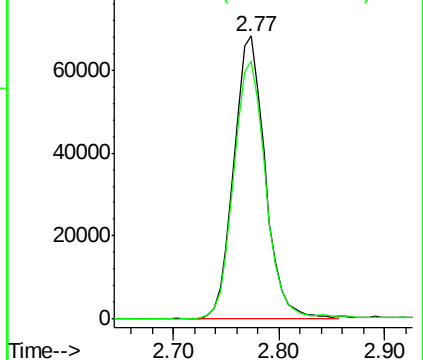
Ion Ratio Lower Upper

94 100

96 90.9 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.837 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065457.D

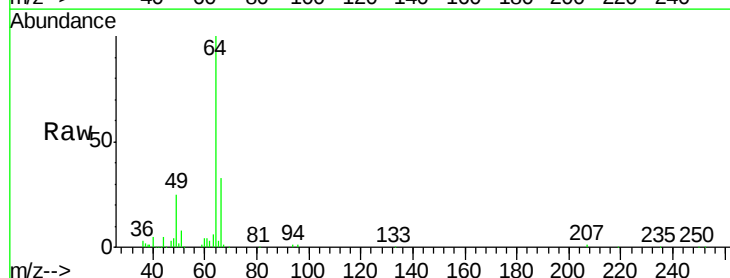
Acq: 09 Mar 2020 18:42

Tgt Ion: 64 Resp: 134962

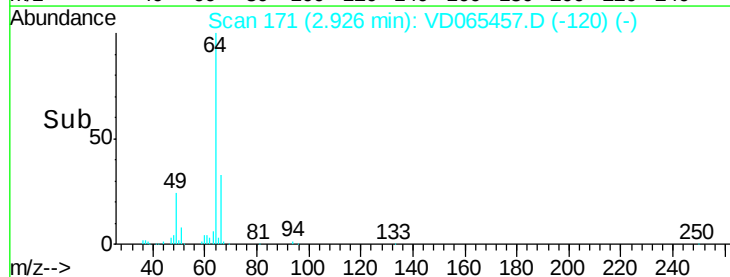
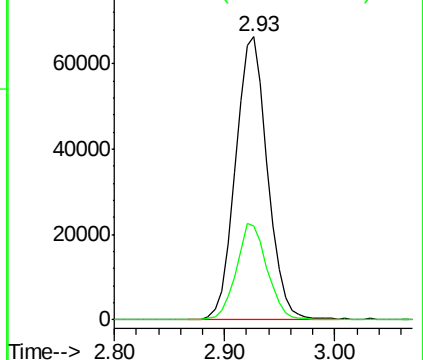
Ion Ratio Lower Upper

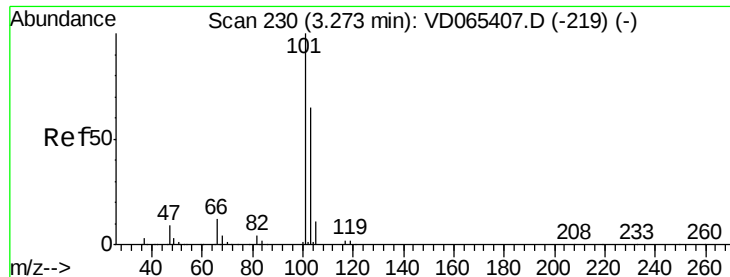
64 100

66 33.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



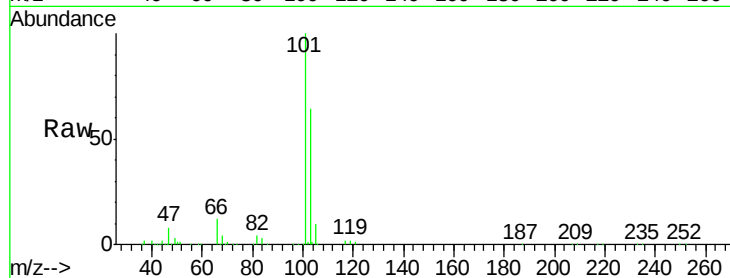


#7

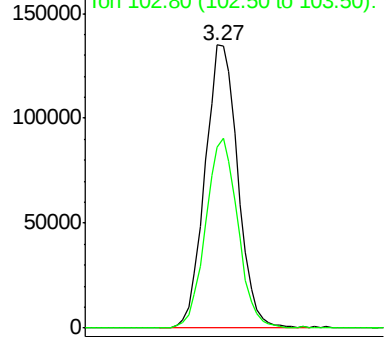
Trichlorofluoromethane
 Concen: 45.629 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampled :

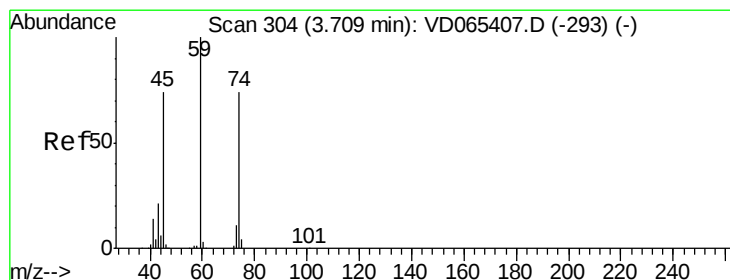
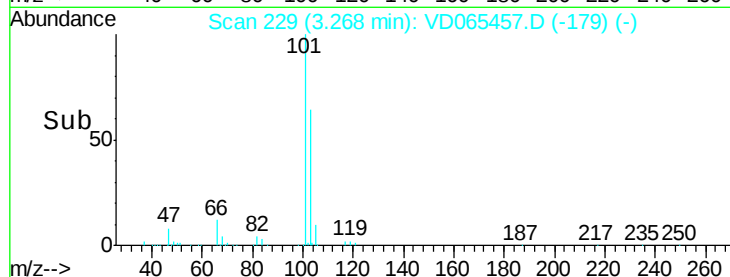
Tot Ion:101 Resp: 316321
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.1 78.1



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



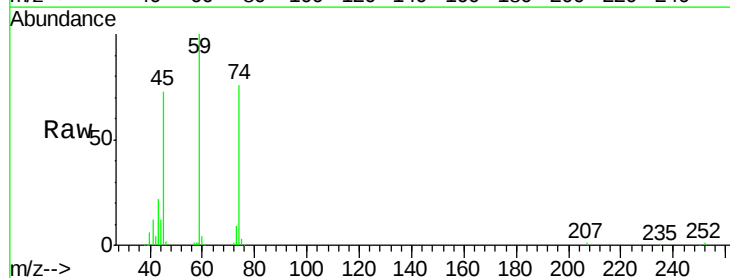
Time-->



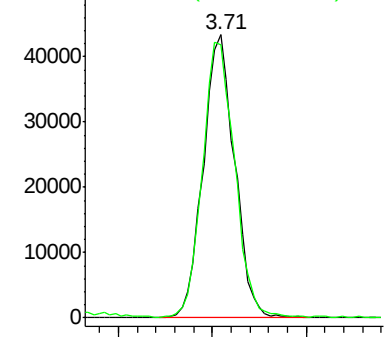
#8

Diethyl Ether
 Concen: 48.820 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

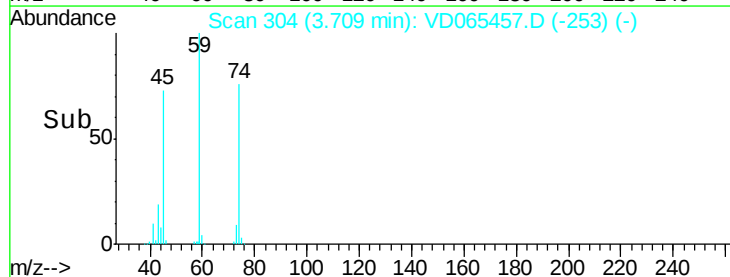
Tgt Ion: 74 Resp: 100647
 Ion Ratio Lower Upper
 74 100
 45 100.2 49.5 148.5

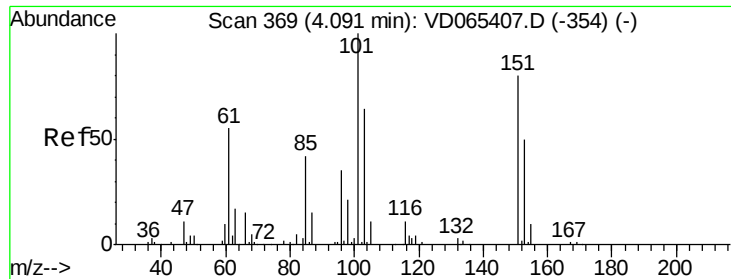


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.660 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

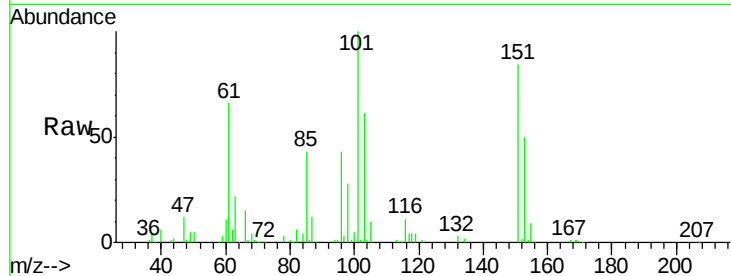
Tot Ion:101 Resp: 208331

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.2

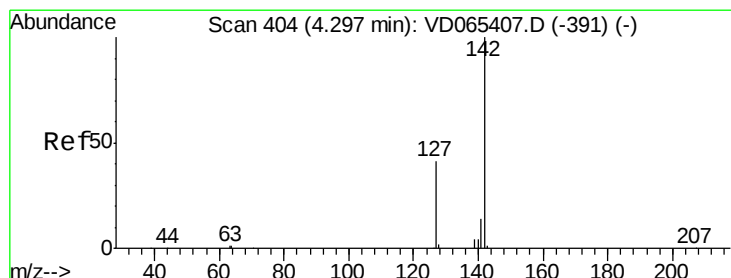
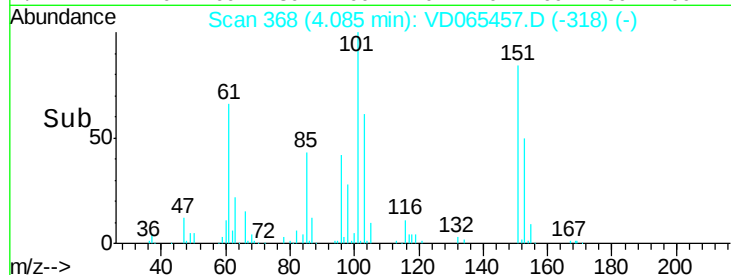
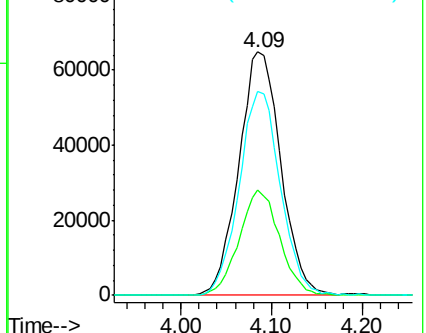
151 82.3 65.1 97.7



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: 50.397 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

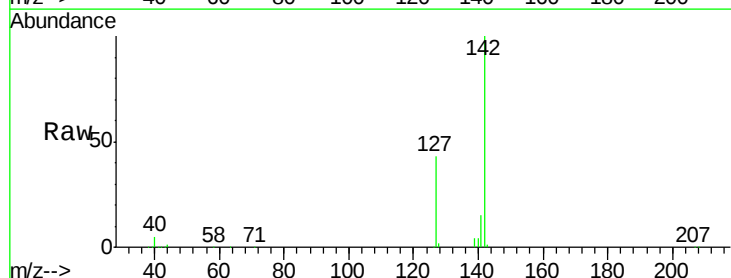
Tgt Ion:142 Resp: 233770

Ion Ratio Lower Upper

142 100

127 44.1 35.0 52.6

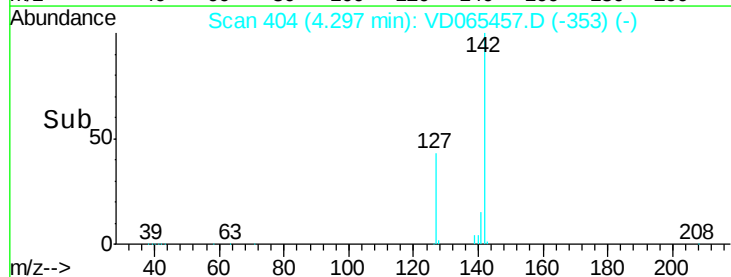
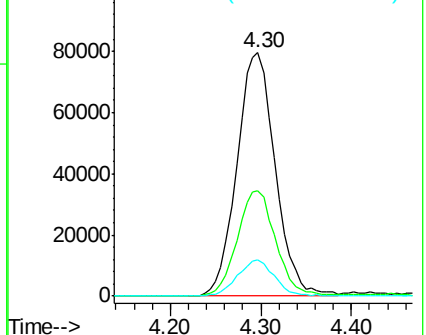
141 14.7 12.4 18.6

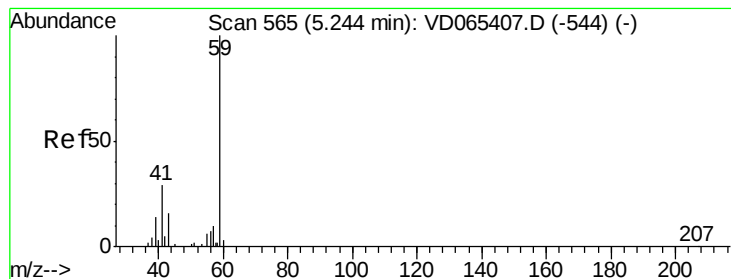


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 241.751 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

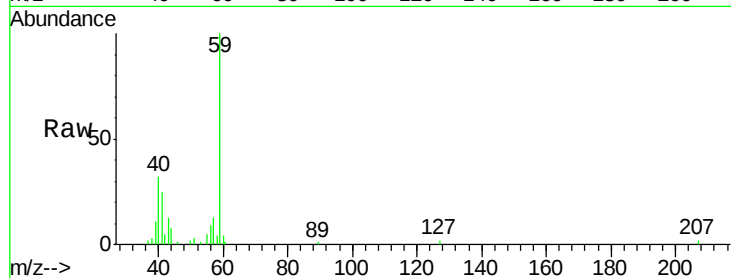
ClientSampleId :

Tot Ion: 59 Resp: 54682

Ion Ratio Lower Upper

59 100

57 8.2 6.9 10.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

30000

25000

20000

15000

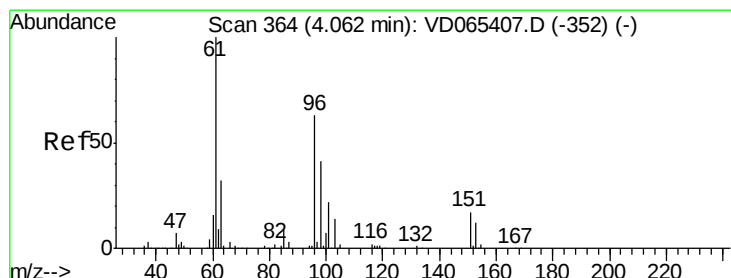
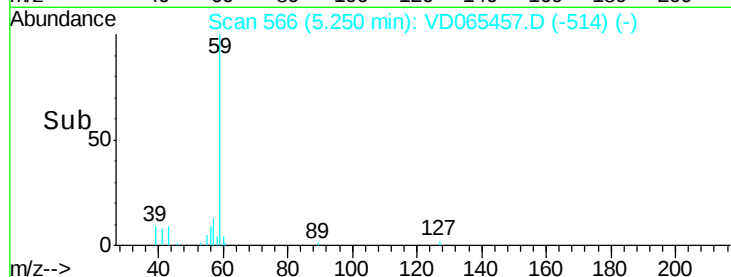
10000

5000

0

5.00 5.10 5.20 5.30 5.40

Time-->



#12

1,1-Dichloroethene

Concen: 45.956 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

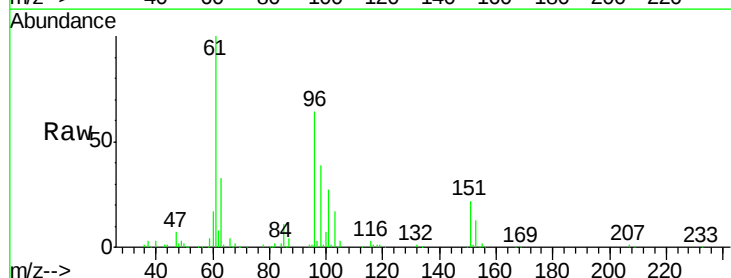
Tgt Ion: 96 Resp: 196479

Ion Ratio Lower Upper

96 100

61 157.0 128.0 192.0

98 61.7 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

150000

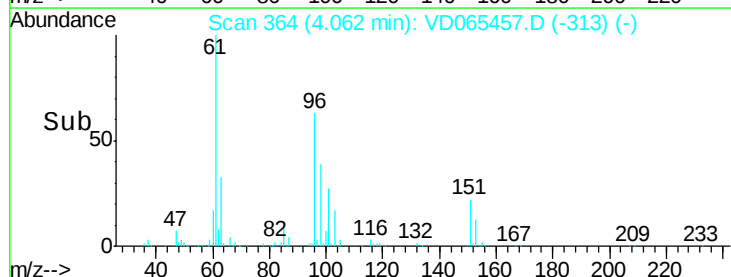
100000

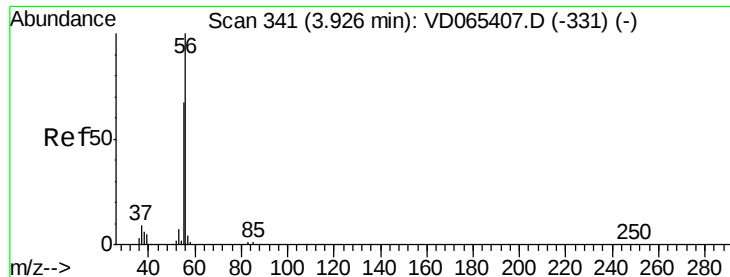
50000

0

4.00 4.10 4.20

Time-->





#13

Acrolein

Concen: 184.479 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

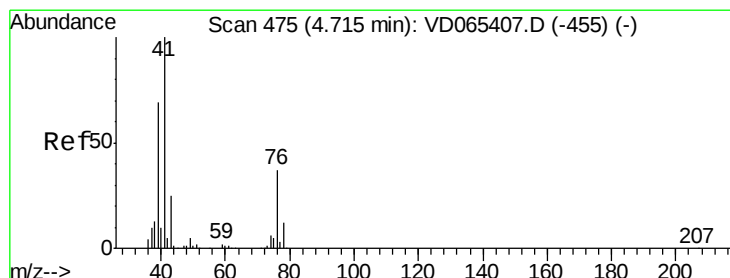
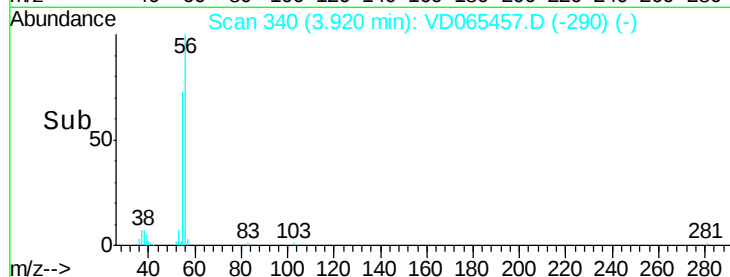
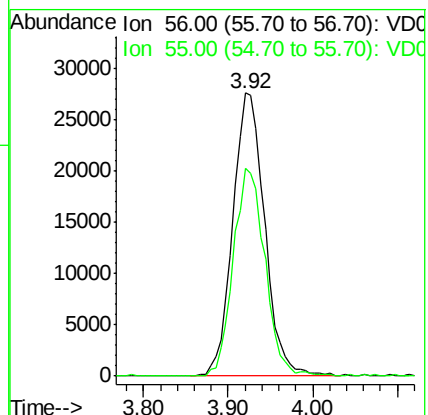
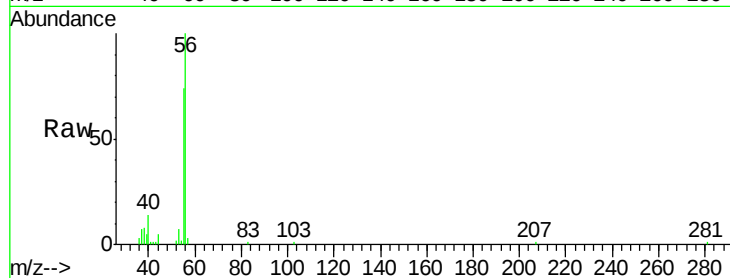
ClientSampleId :

Tot Ion: 56 Resp: 71964

Ion Ratio Lower Upper

56 100

55 73.0 56.6 85.0



#14

Allyl chloride

Concen: 48.649 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

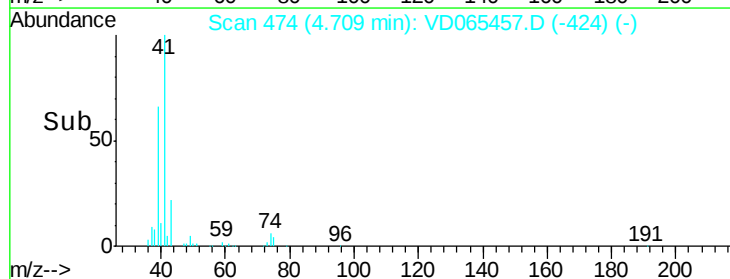
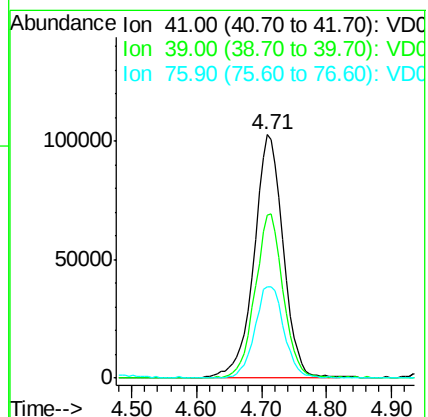
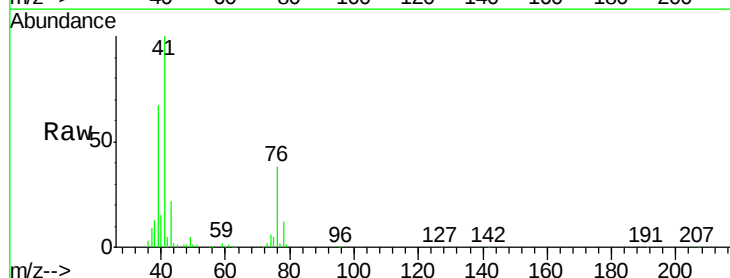
Tgt Ion: 41 Resp: 319515

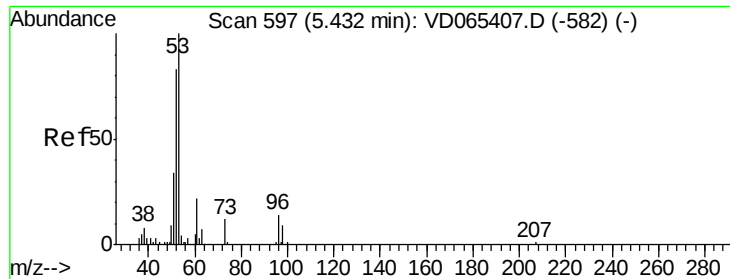
Ion Ratio Lower Upper

41 100

39 65.0 52.6 79.0

76 37.6 29.2 43.8





#15

Acrylonitrile

Concen: 247.623 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

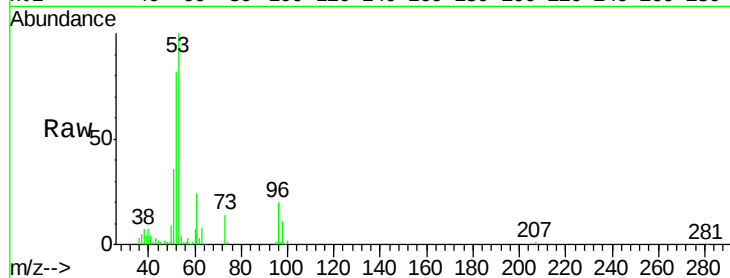
Tot Ion: 53 Resp: 222089

Ion Ratio Lower Upper

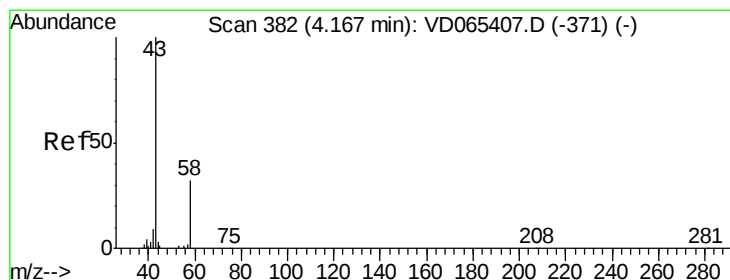
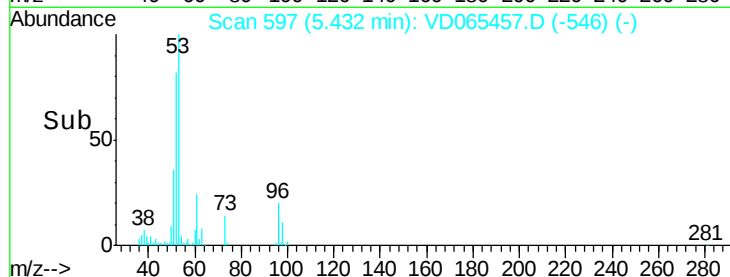
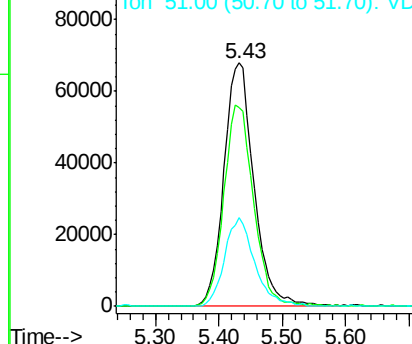
53 100

52 81.5 65.1 97.7

51 36.7 28.5 42.7



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



#16

Acetone

Concen: 213.192 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065457.D

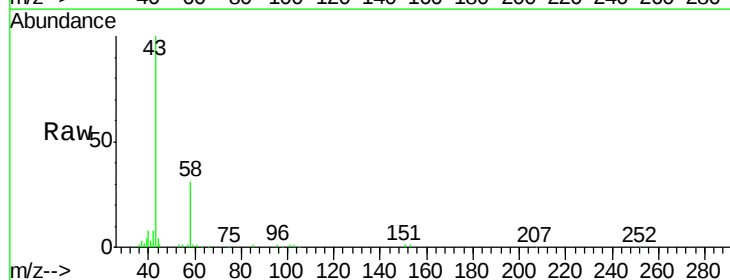
Acq: 09 Mar 2020 18:42

Tgt Ion: 43 Resp: 170023

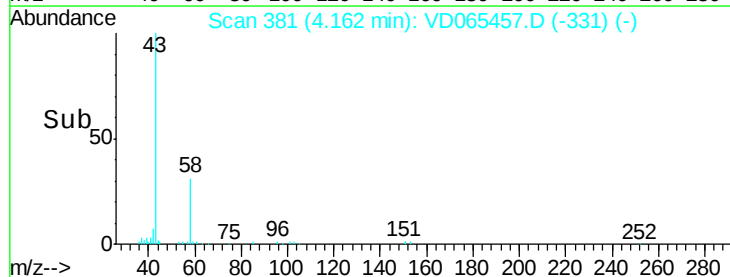
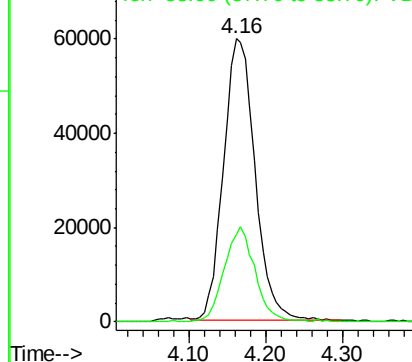
Ion Ratio Lower Upper

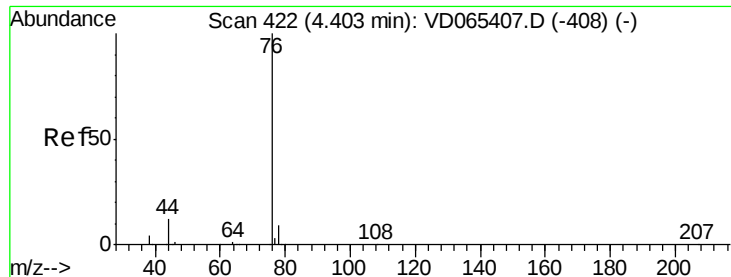
43 100

58 30.9 25.1 37.7



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

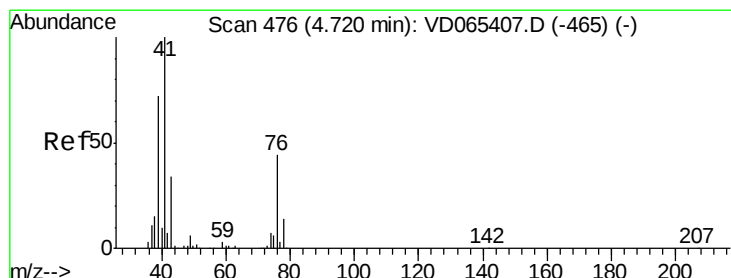
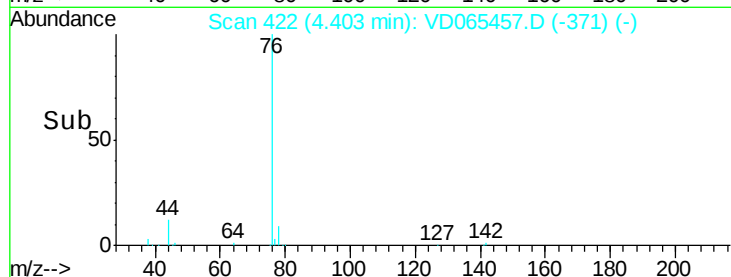
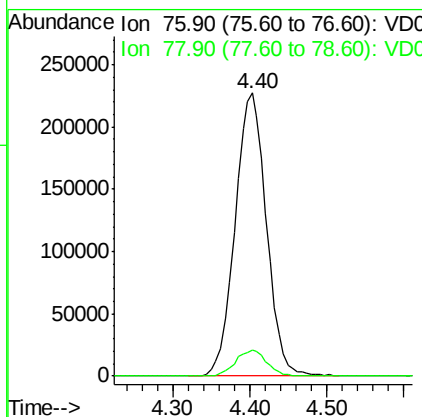
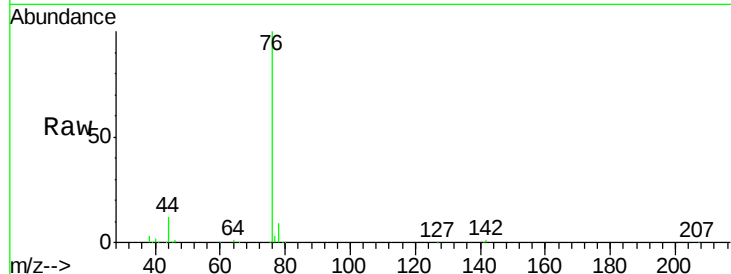




#17
Carbon Disulfide
Concen: 45.298 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

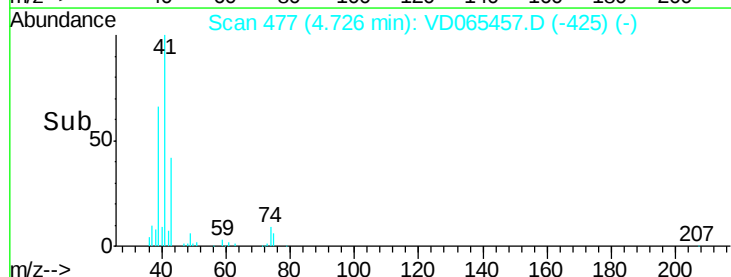
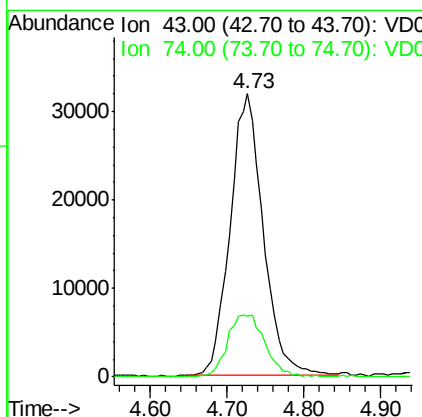
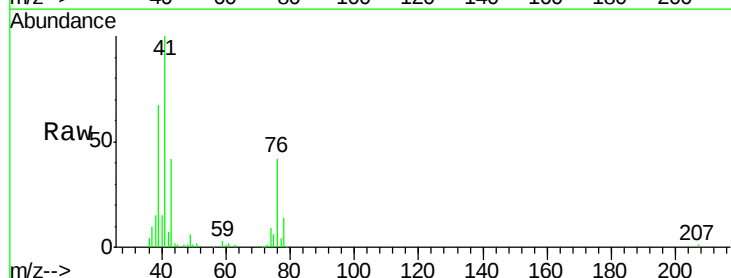
Instrument :
MSVOA_D
ClientSampled :

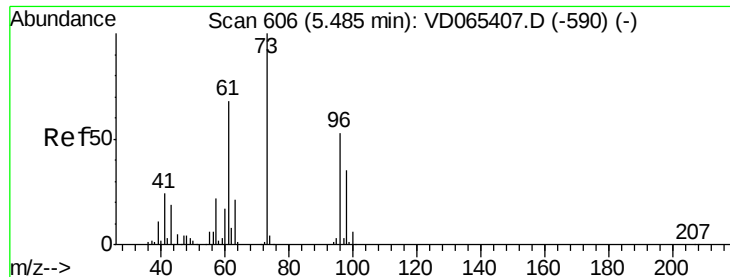
Tot Ion: 76 Resp: 644939
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 47.325 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 43 Resp: 95739
Ion Ratio Lower Upper
43 100
74 24.8 19.6 29.4

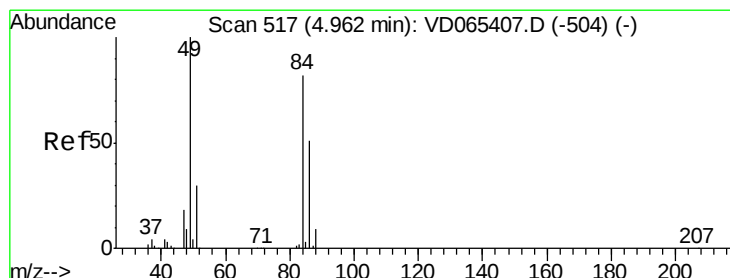
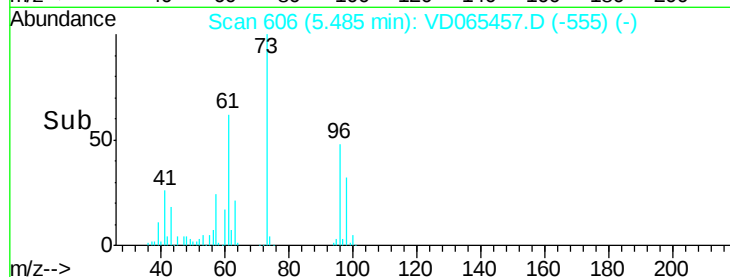
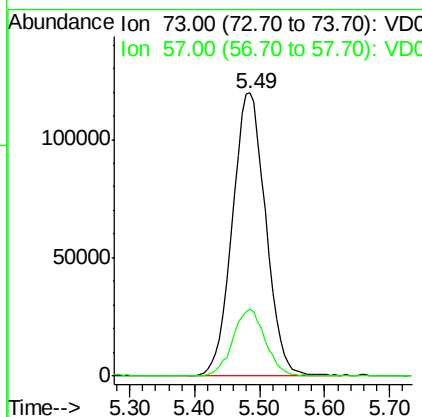
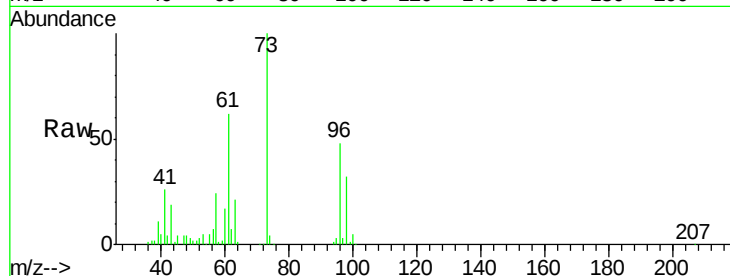




#19
Methvl tert-butvl Ether
Concen: 51.661 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

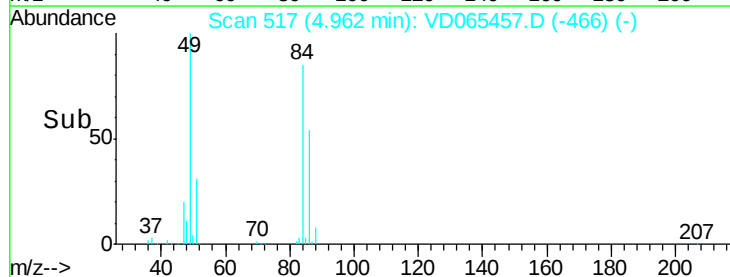
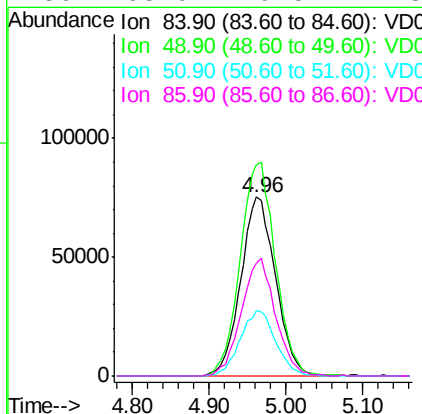
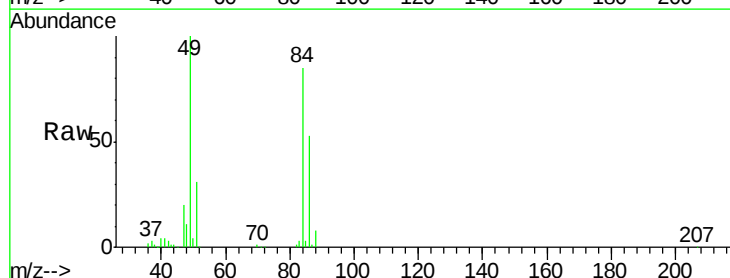
Instrument :
MSVOA_D
ClientSampled :

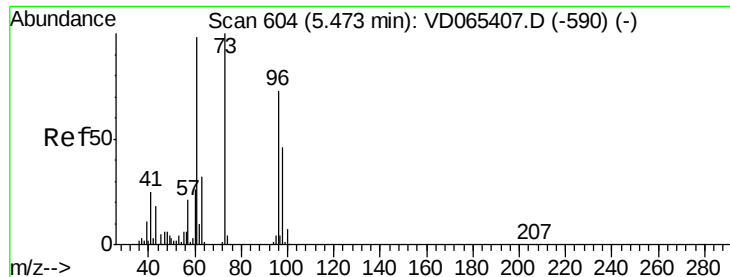
Tot Ion: 73 Resp: 424743
Ion Ratio Lower Upper
73 100
57 23.7 17.3 25.9



#20
Methylene Chloride
Concen: 55.558 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 84 Resp: 238951
Ion Ratio Lower Upper
84 100
49 118.0 97.7 146.5
51 36.6 28.8 43.2
86 63.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 48.973 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

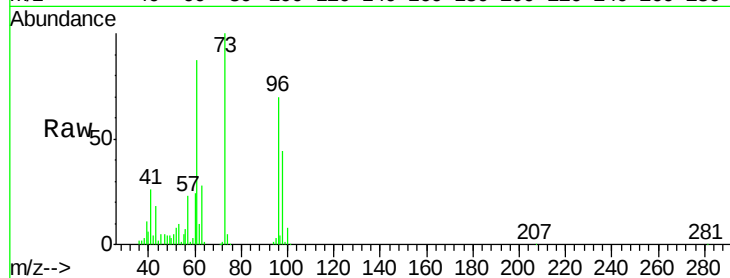
Tot Ion: 96 Resp: 232914

Ion Ratio Lower Upper

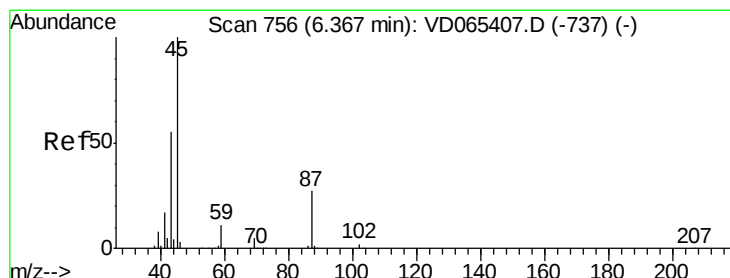
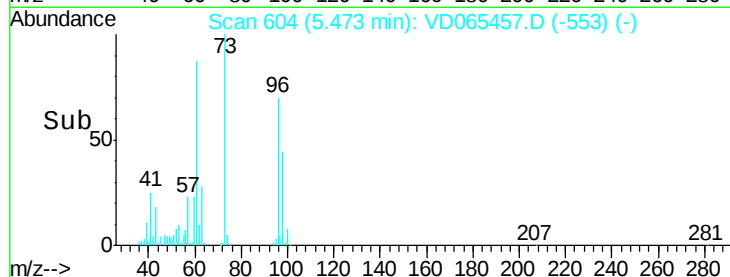
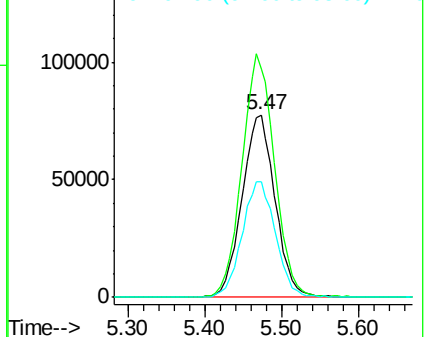
96 100

61 125.0 106.3 159.5

98 63.4 50.2 75.4



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



#22

Diisopropyl ether

Concen: 53.190 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion: 45 Resp: 649397

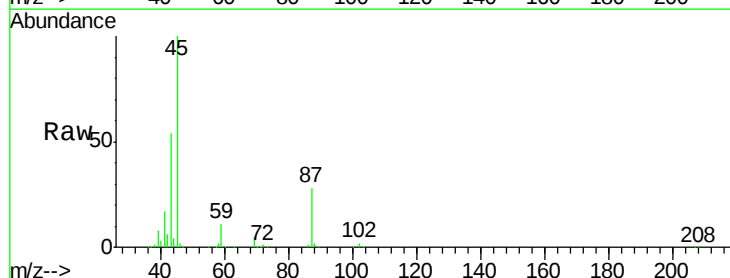
Ion Ratio Lower Upper

45 100

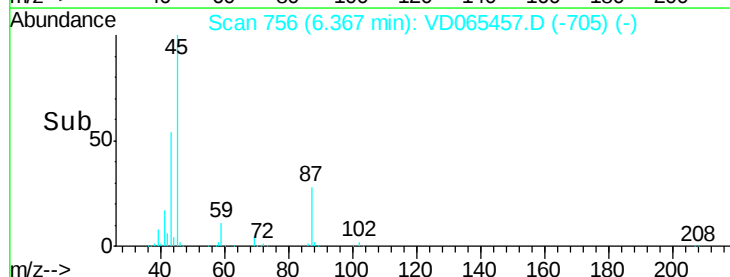
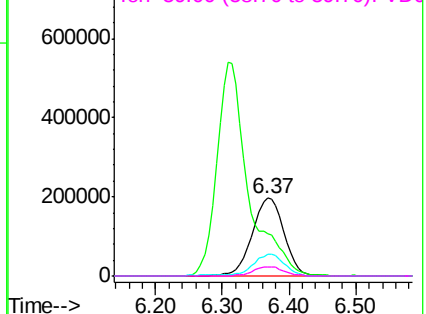
43 53.7 44.4 66.6

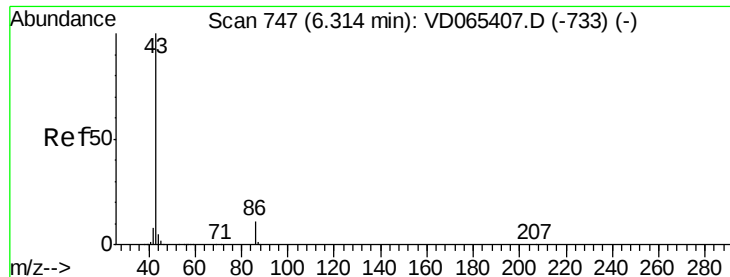
87 27.8 21.9 32.9

59 11.1 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 264.825 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

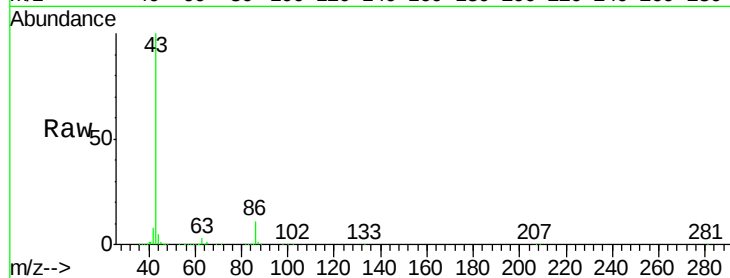
ClientSampleId :

Tot Ion: 43 Resp: 1795257

Ion Ratio Lower Upper

43 100

86 11.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

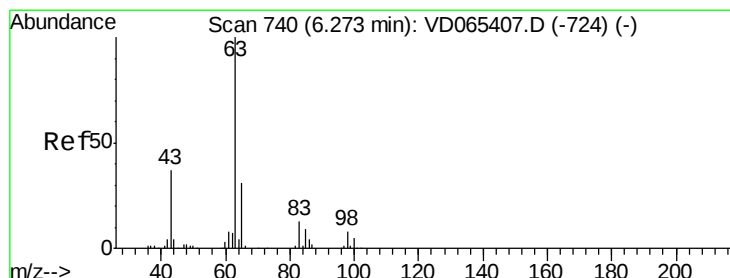
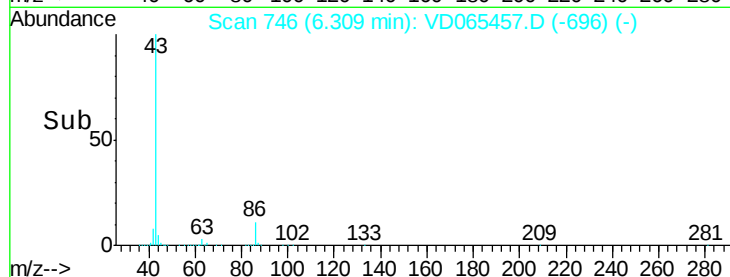
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 49.341 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

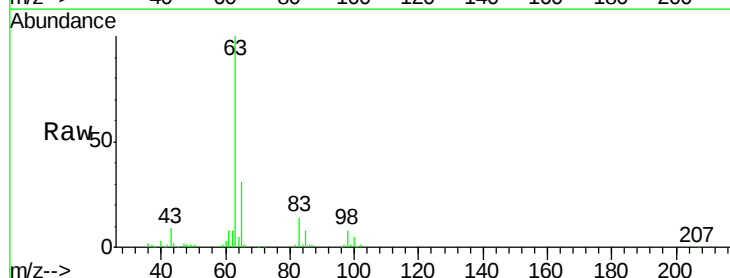
Tgt Ion: 63 Resp: 386393

Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

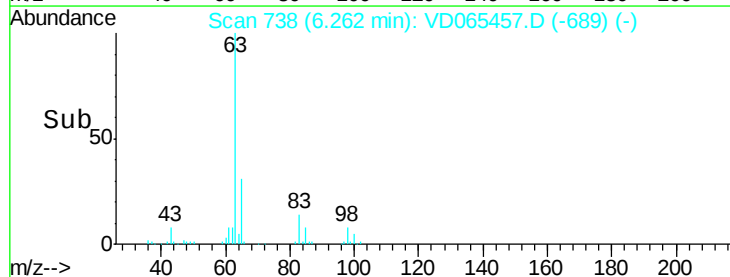
150000

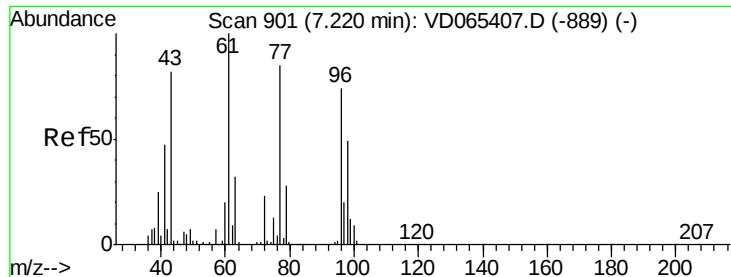
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 237.525 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

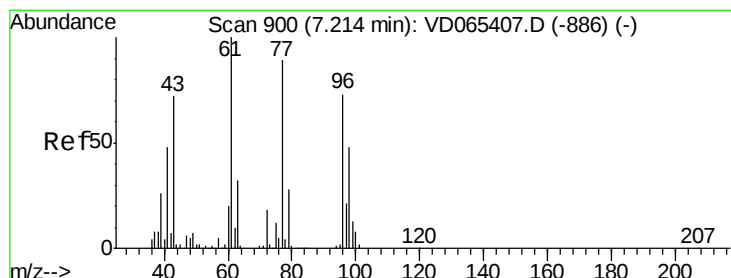
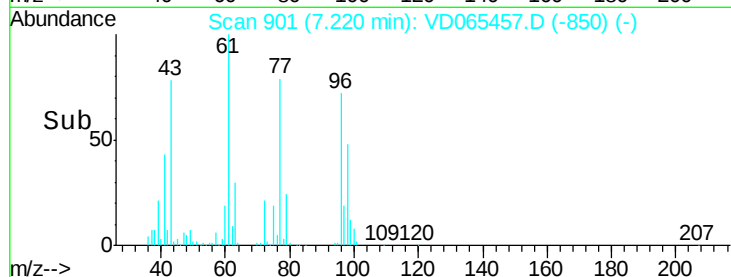
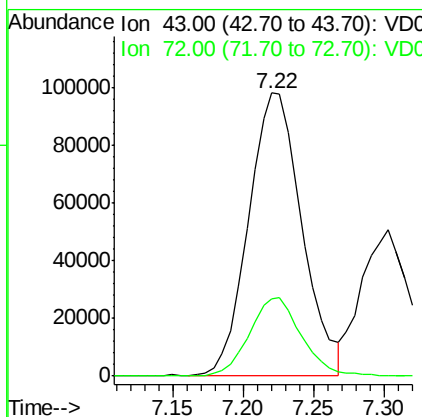
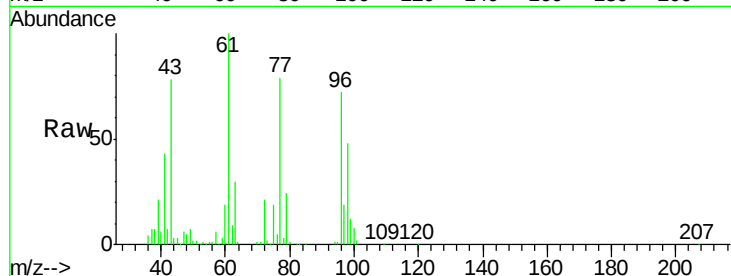
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 258505

Ion Ratio Lower Upper

43 100

72 27.4 22.3 33.5



#26

2,2-Dichloropropane

Concen: 47.226 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065457.D

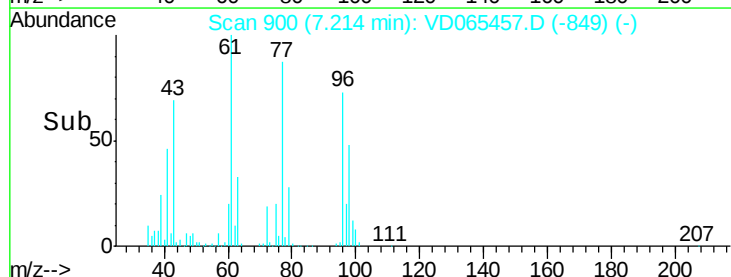
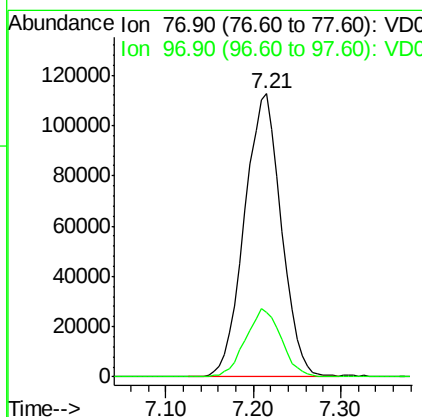
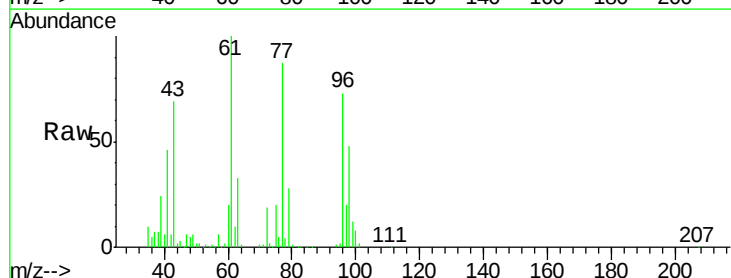
Acq: 09 Mar 2020 18:42

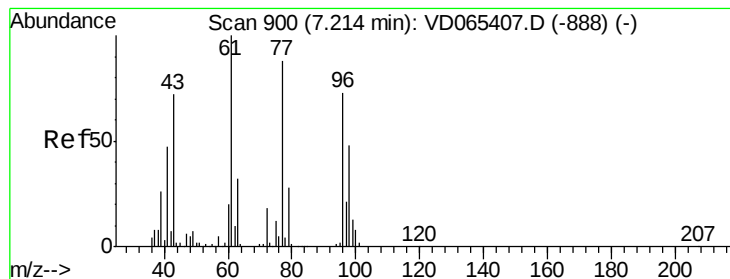
Tgt Ion: 77 Resp: 323187

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4



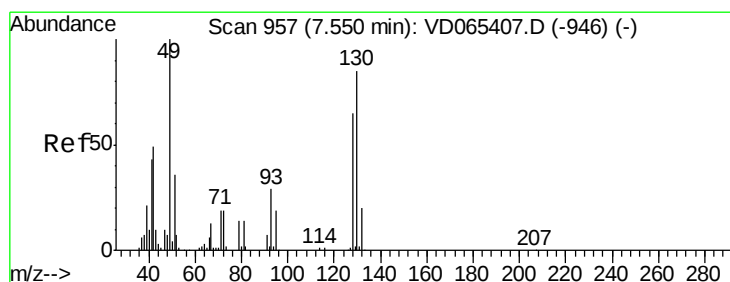
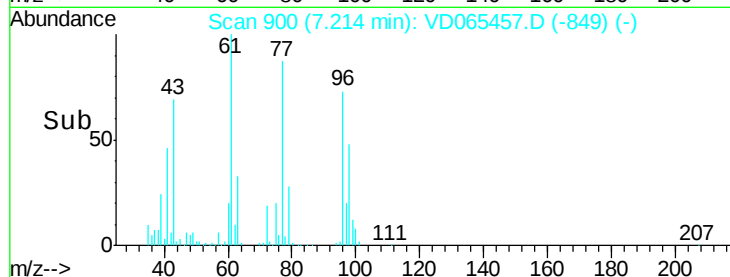
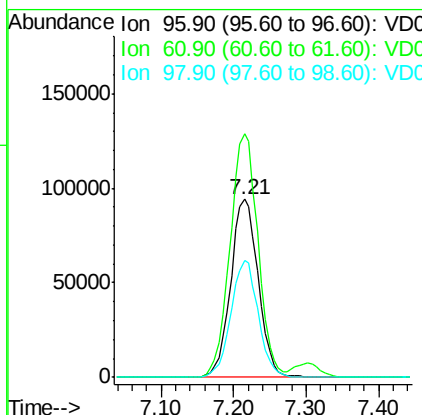
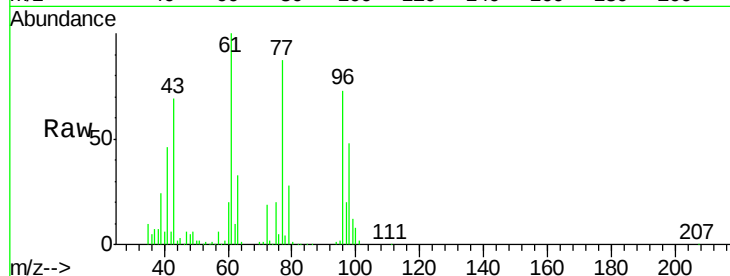


#27

cis-1,2-Dichloroethene
Concen: 51.158 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :

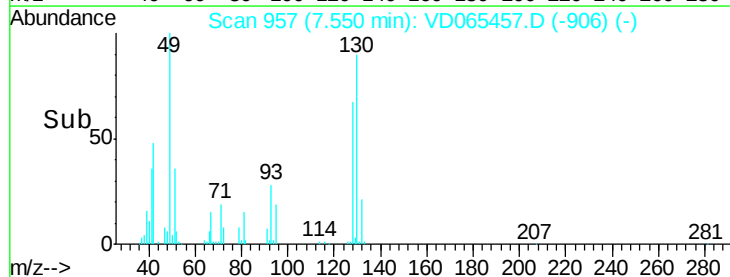
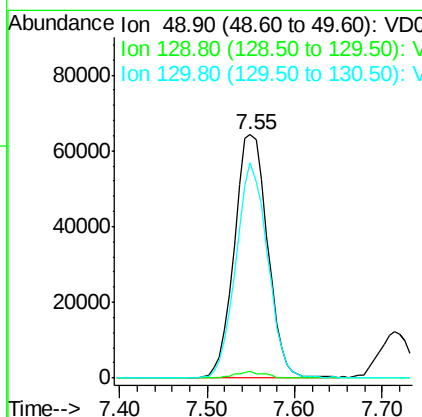
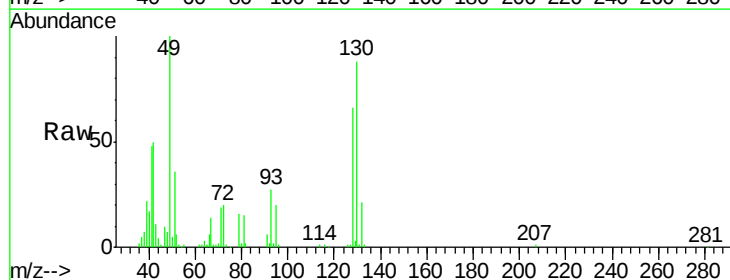
Tot Ion: 96 Resp: 248694
Ion Ratio Lower Upper
96 100
61 138.8 0.0 280.4
98 65.2 0.0 132.6

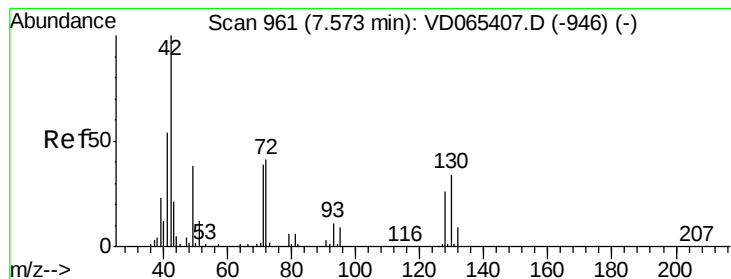


#28

Bromochloromethane
Concen: 52.798 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 49 Resp: 165420
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 84.2 66.6 100.0





#29

Tetrahydrofuran

Concen: 251.883 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampled :

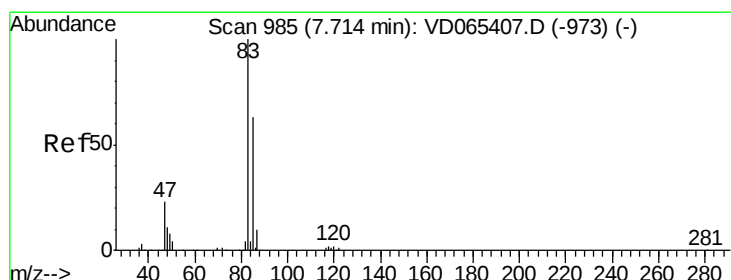
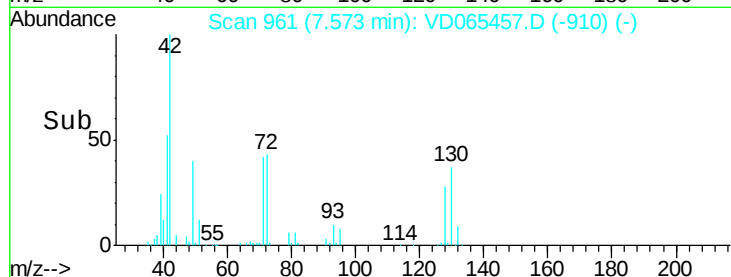
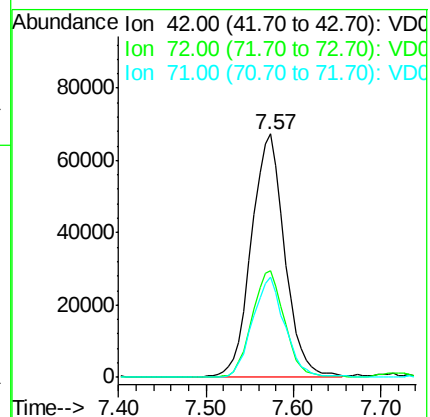
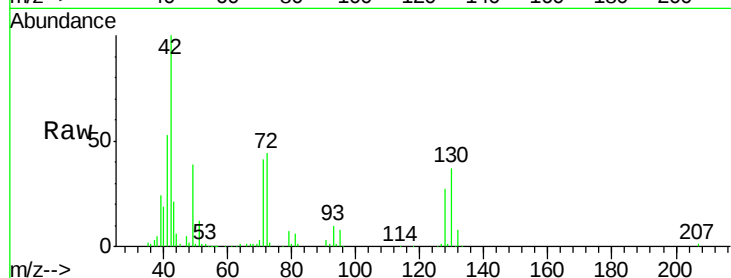
Tot Ion: 42 Resp: 175063

Ion Ratio Lower Upper

42 100

72 42.7 33.0 49.6

71 39.7 32.0 48.0



#30

Chloroform

Concen: 50.773 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065457.D

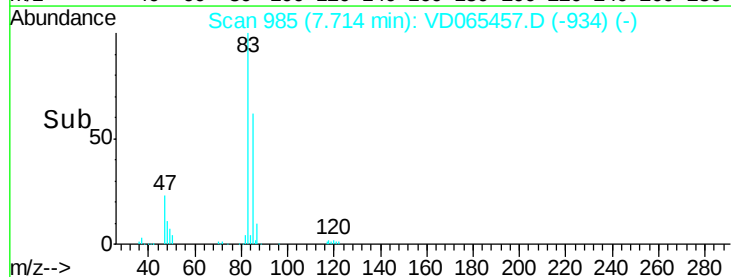
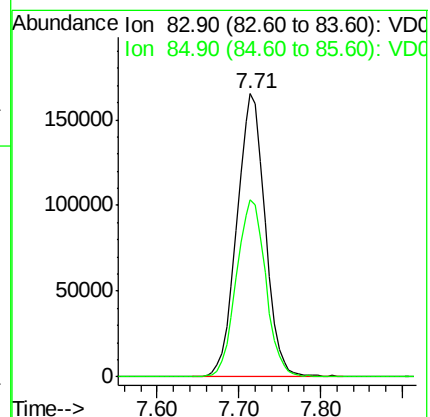
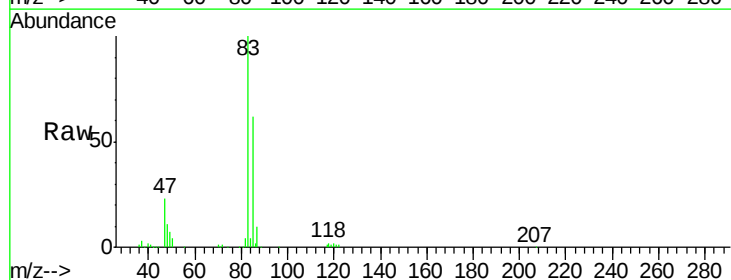
Acq: 09 Mar 2020 18:42

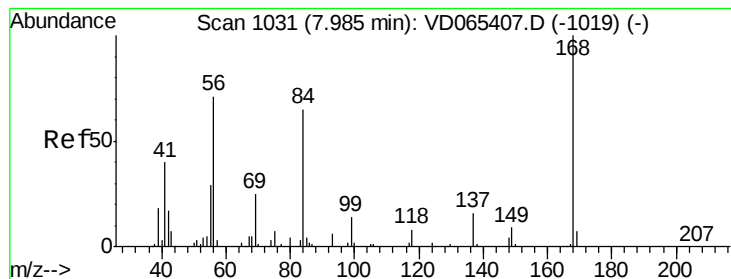
Tgt Ion: 83 Resp: 397413

Ion Ratio Lower Upper

83 100

85 62.4 50.3 75.5





#31

Cyclohexane

Concen: 45.524 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampled :

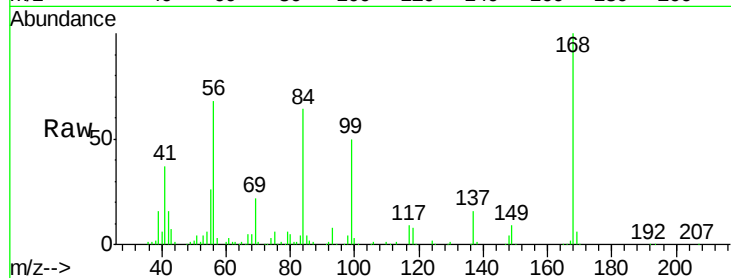
Tot Ion: 56 Resp: 356472

Ion Ratio Lower Upper

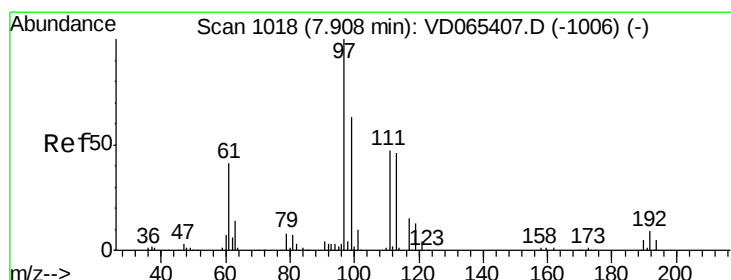
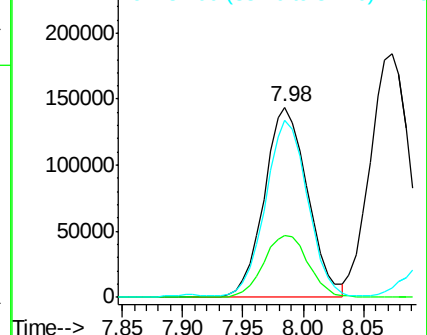
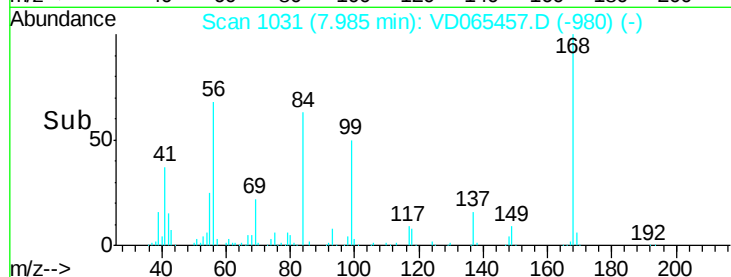
56 100

69 32.6 28.3 42.5

84 91.5 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: 48.304 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

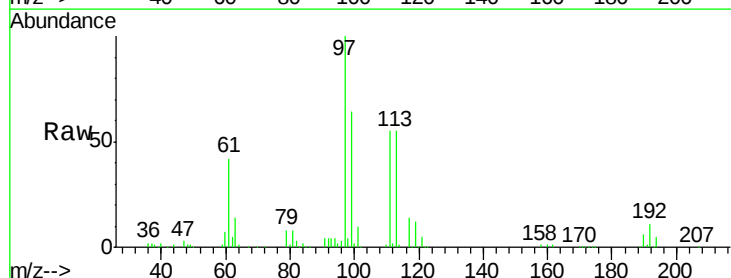
Tgt Ion: 97 Resp: 349399

Ion Ratio Lower Upper

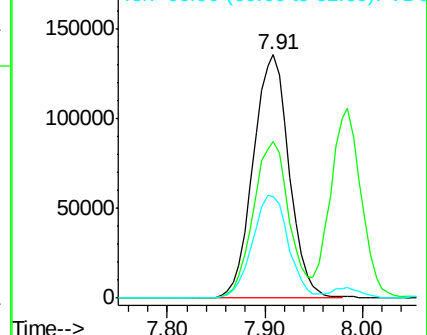
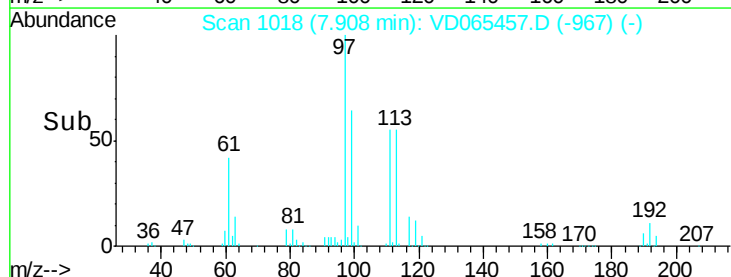
97 100

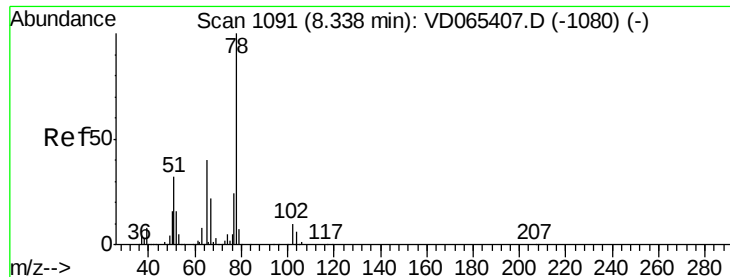
99 63.9 50.9 76.3

61 42.3 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: 52.219 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

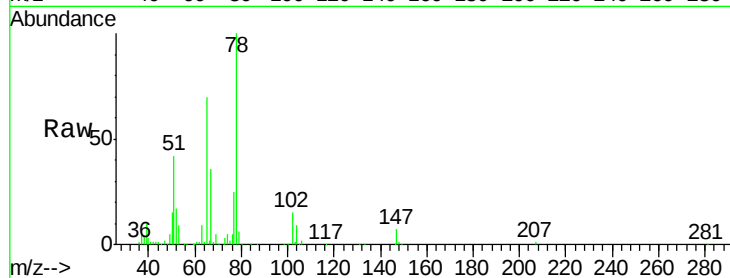
ClientSampleId :

Tot Ion: 65 Resp: 205920

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

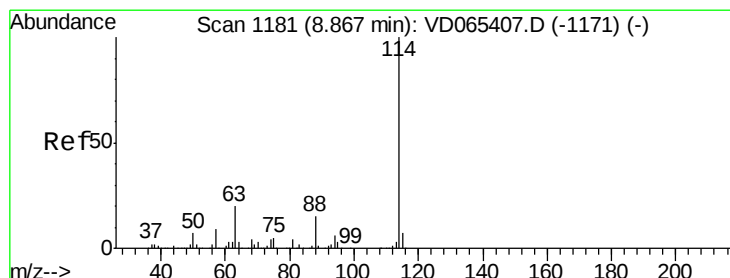
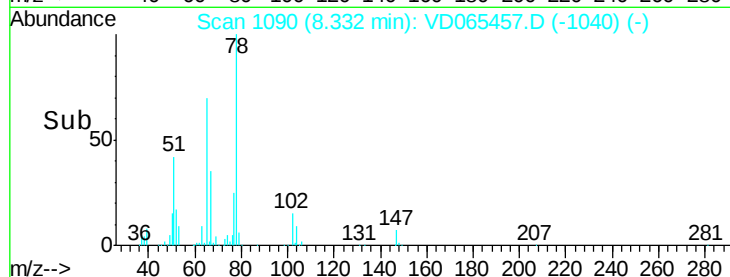
60000

40000

20000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

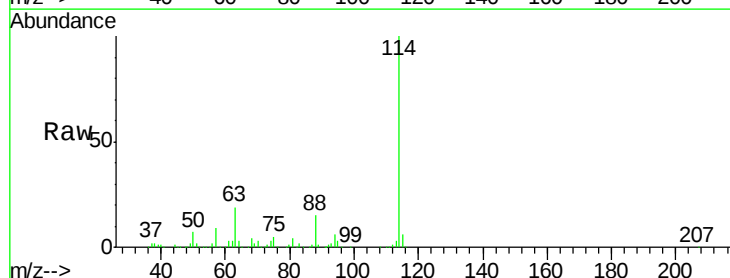
Tgt Ion:114 Resp: 675685

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

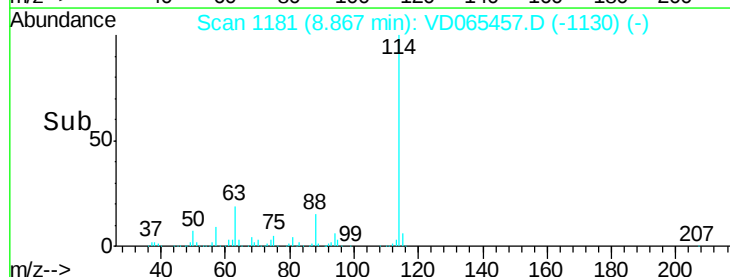
300000

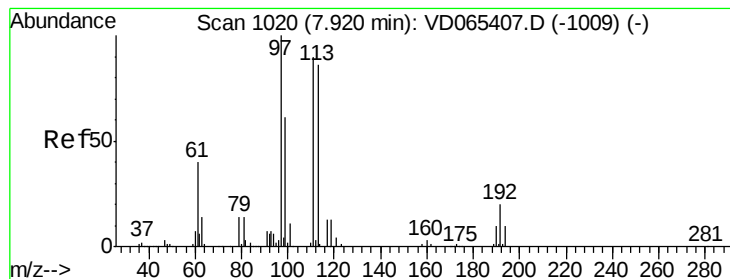
200000

100000

0

Time--> 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 53.311 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :

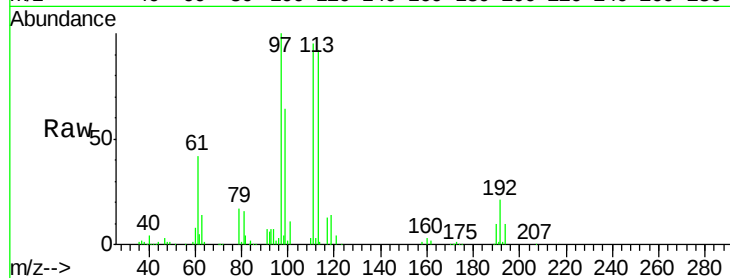
Tot Ion:113 Resp: 222759

Ion Ratio Lower Upper

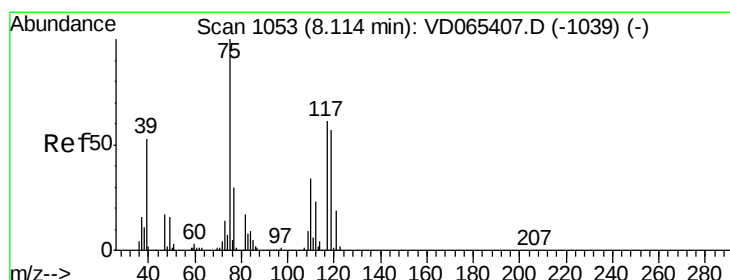
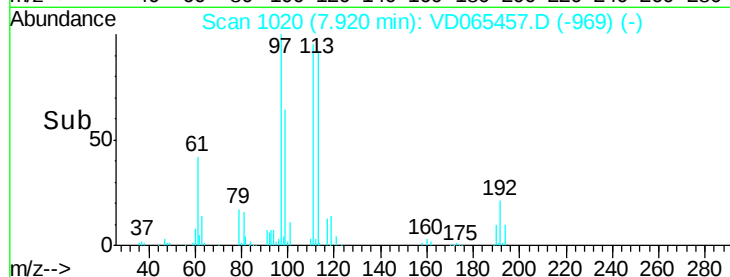
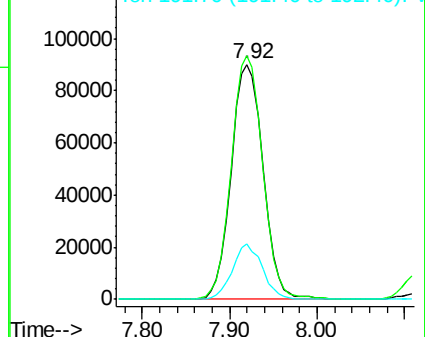
113 100

111 102.2 82.1 123.1

192 22.0 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.071 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

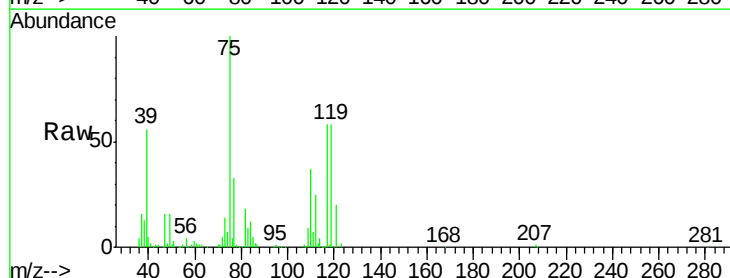
Tgt Ion: 75 Resp: 317828

Ion Ratio Lower Upper

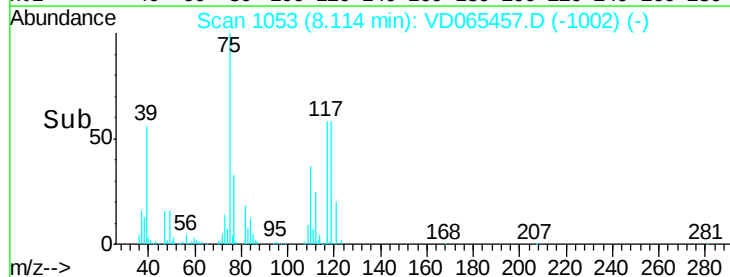
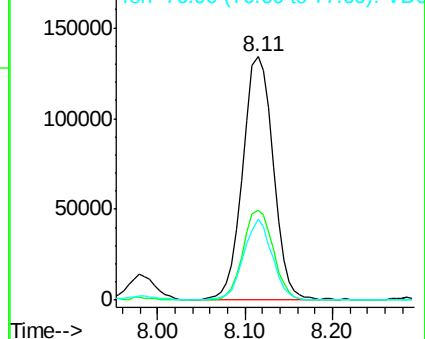
75 100

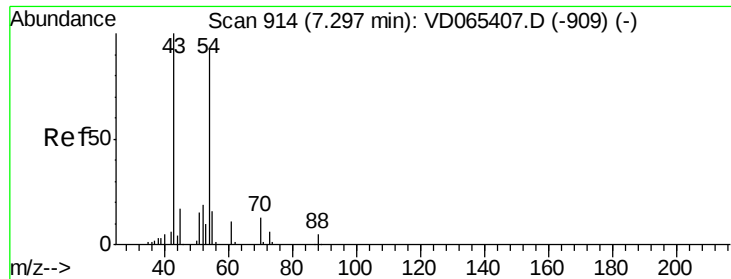
110 36.4 18.1 54.1

77 31.3 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

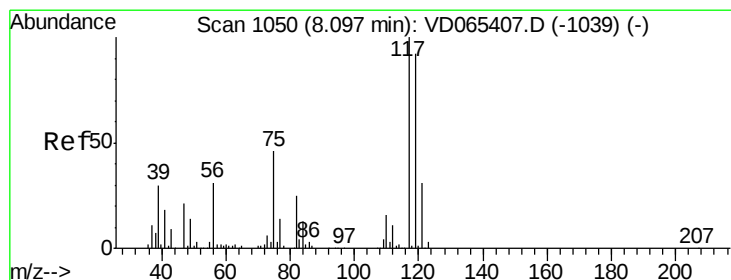
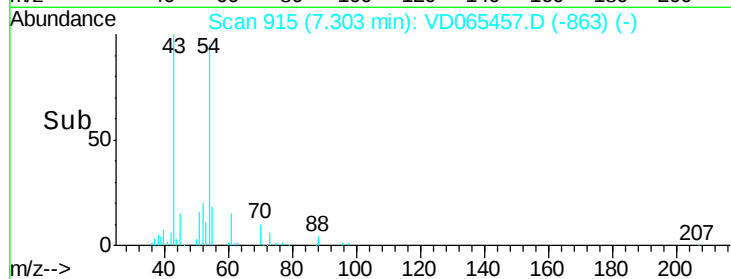
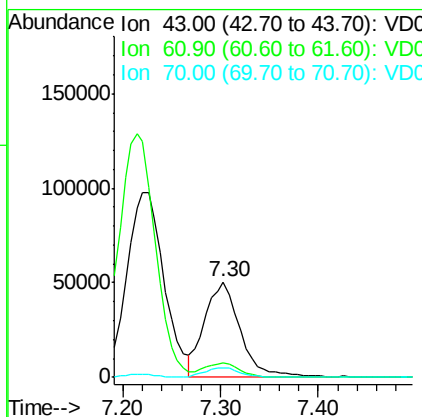
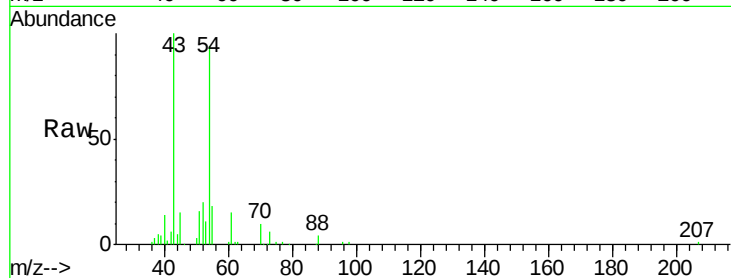




#37
Ethyl Acetate
Concen: 49.886 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

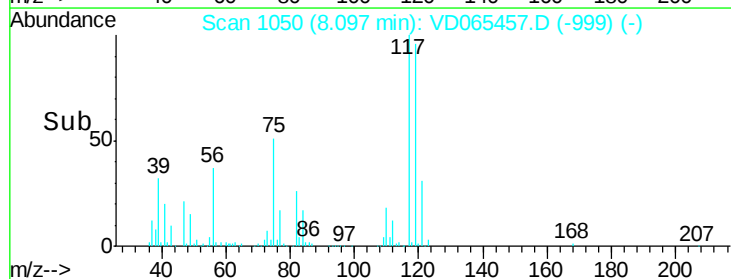
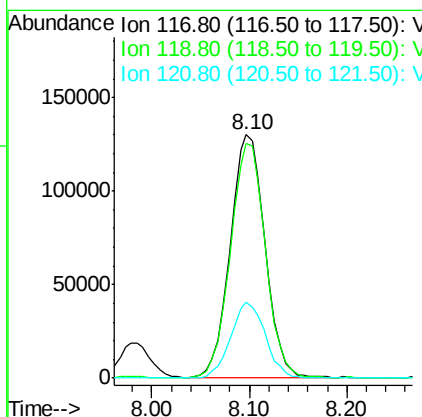
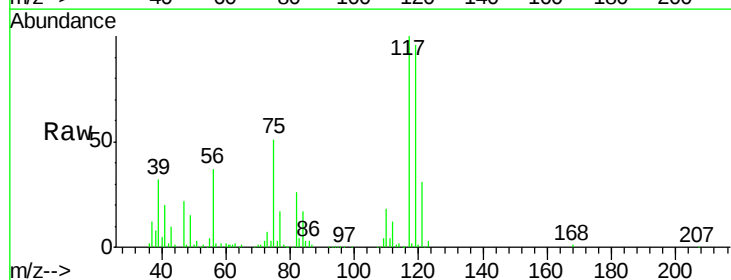
Instrument :
MSVOA_D
ClientSampleId :

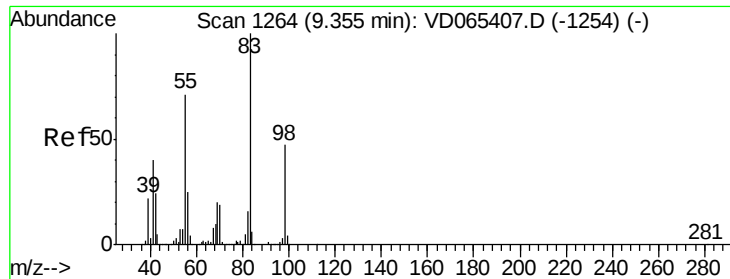
Tot Ion: 43 Resp: 124885
Ion Ratio Lower Upper
43 100
61 14.4 11.4 17.0
70 10.5 9.0 13.4



#38
Carbon Tetrachloride
Concen: 47.819 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 117 Resp: 321171
Ion Ratio Lower Upper
117 100
119 96.3 73.3 109.9
121 31.3 25.0 37.4

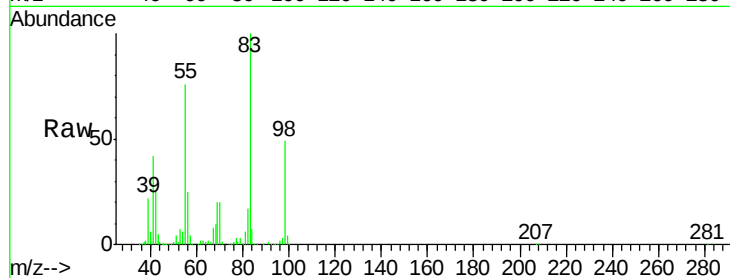




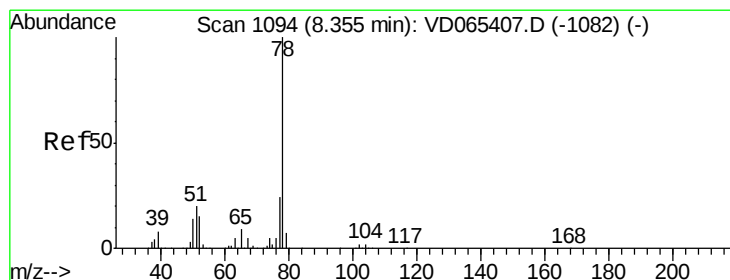
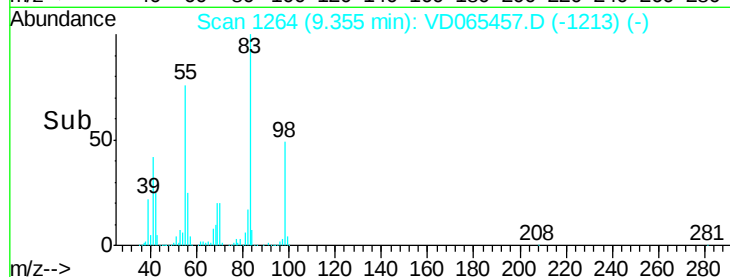
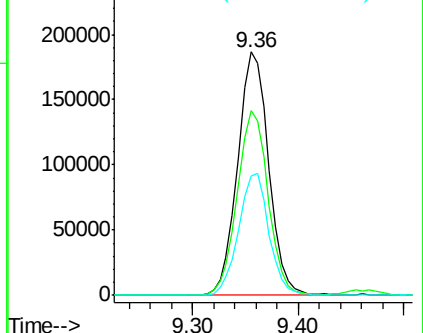
#39
Methvlcvclohexane
Concen: 48.720 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 381119
Ion Ratio Lower Upper
83 100
55 75.9 57.1 85.7
98 49.2 37.8 56.8

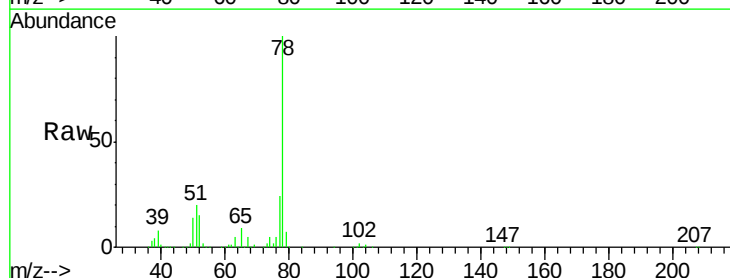


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

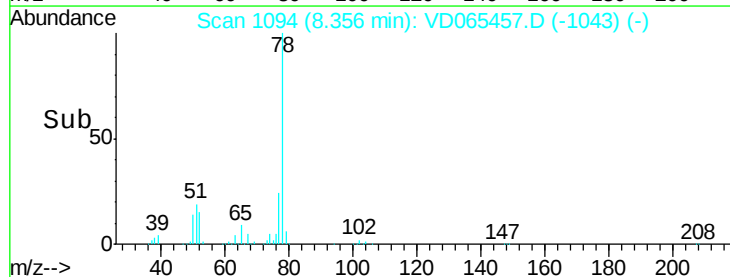
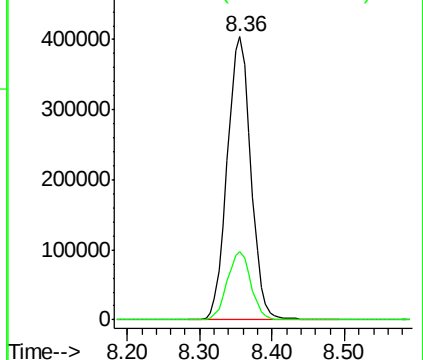


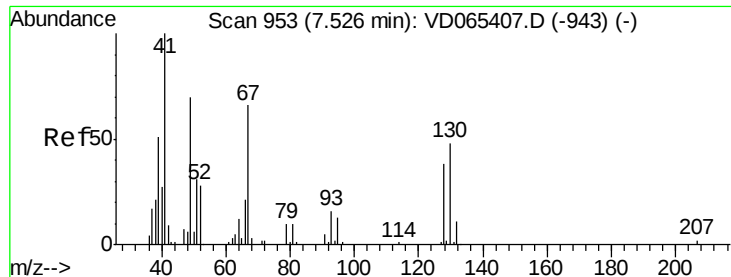
#40
Benzene
Concen: 50.571 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 78 Resp: 915795
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

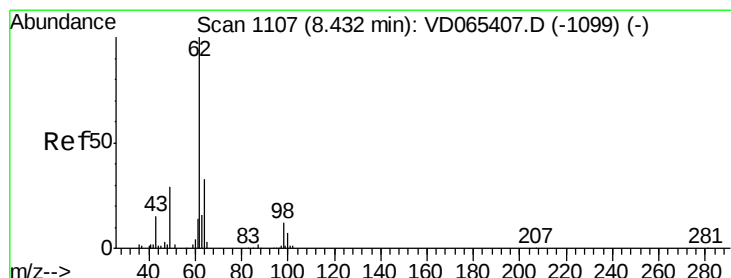
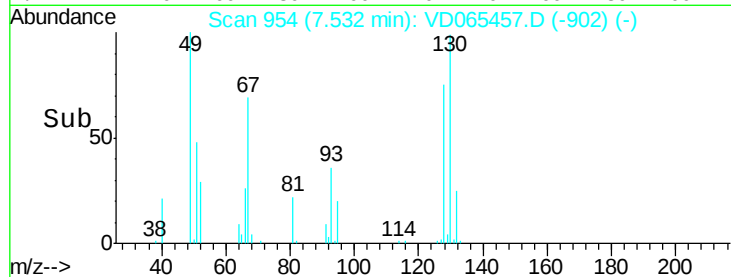
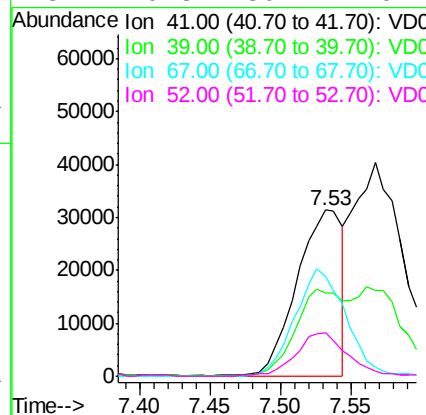
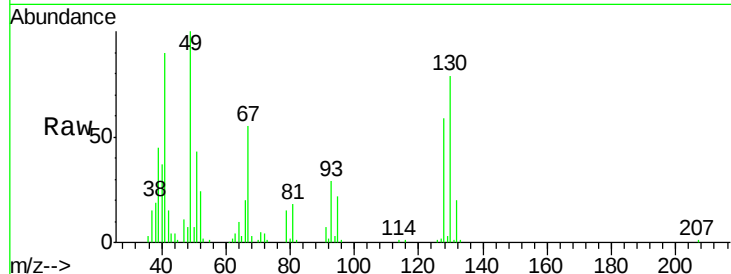




#41
Methacrylonitrile
Concen: 53.290 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

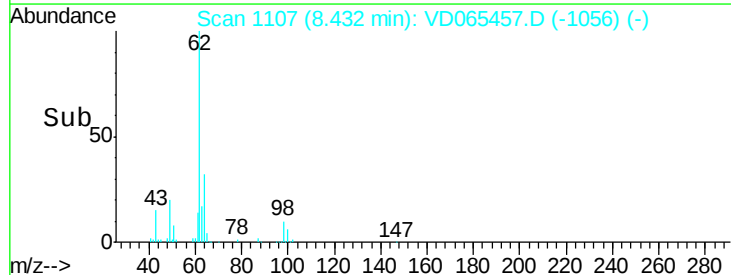
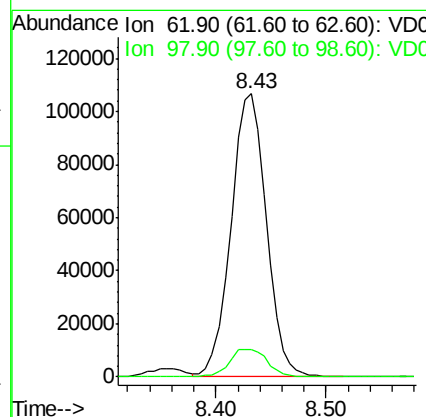
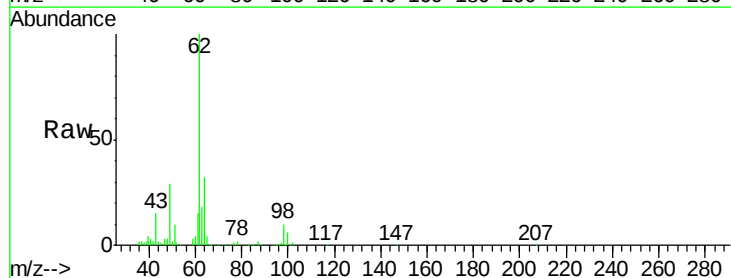
Instrument :
MSVOA_D
ClientSampleId :

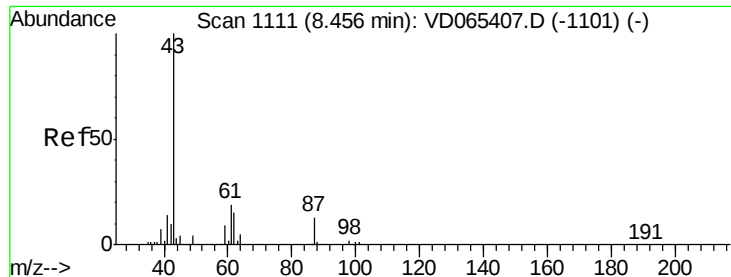
Tot Ion: 41 Resp: 70553
Ion Ratio Lower Upper
41 100
39 59.4 55.0 82.6
67 72.5 70.3 105.5
52 29.3 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 50.384 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 62 Resp: 238253
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4

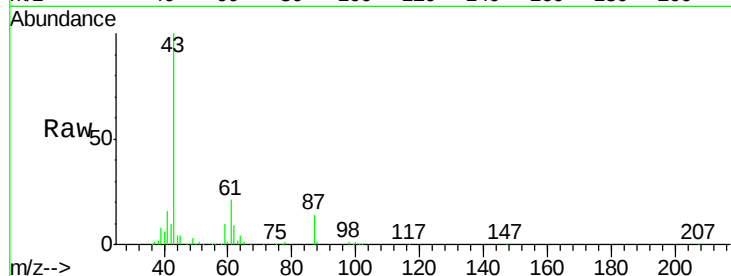




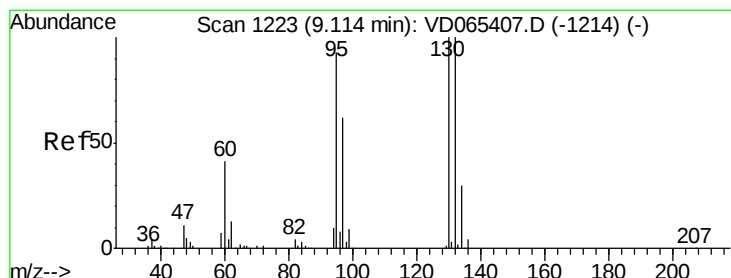
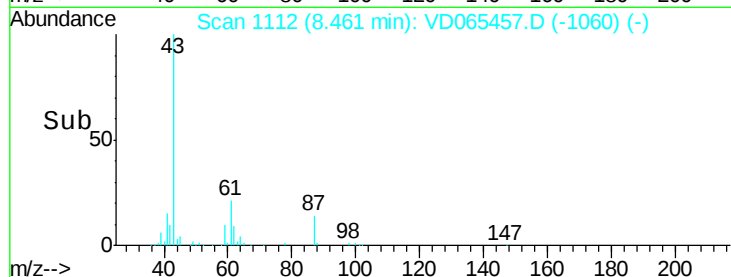
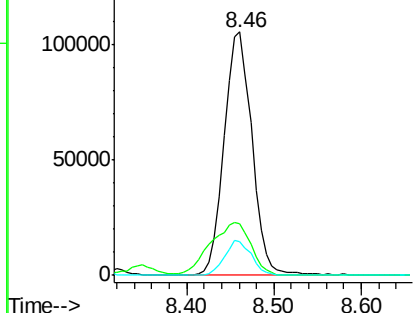
#43
Isopropyl Acetate
Concen: 49.677 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 229628
Ion Ratio Lower Upper
43 100
61 31.7 25.0 37.6
87 13.7 11.0 16.4

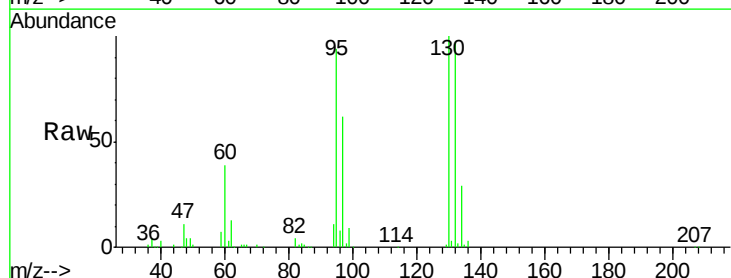


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

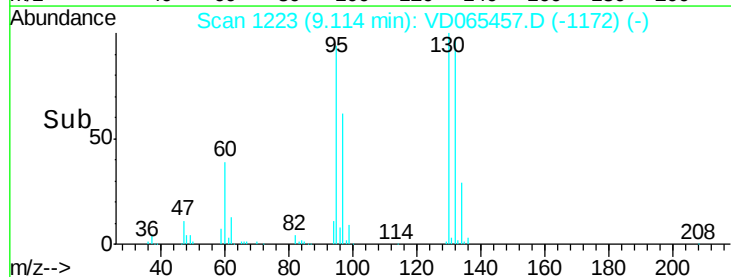
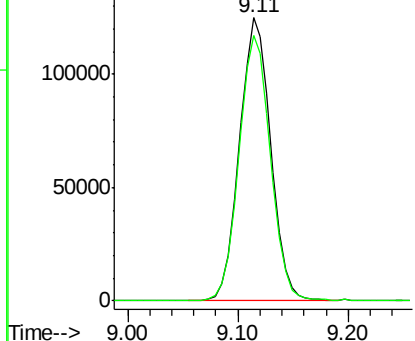


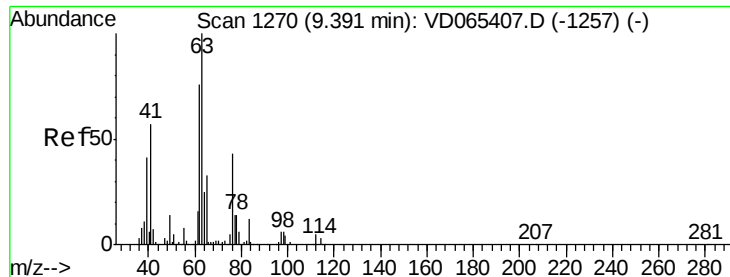
#44
Trichloroethene
Concen: 48.672 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 130 Resp: 248915
Ion Ratio Lower Upper
130 100
95 93.7 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.680 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

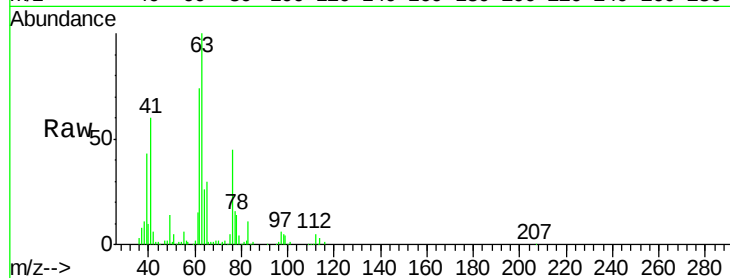
ClientSampleId :

Tot Ion: 63 Resp: 226700

Ion Ratio Lower Upper

63 100

65 30.1 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

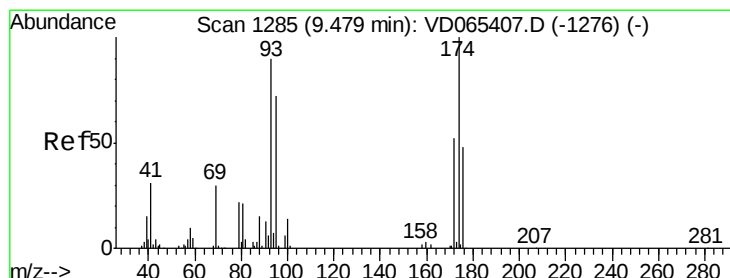
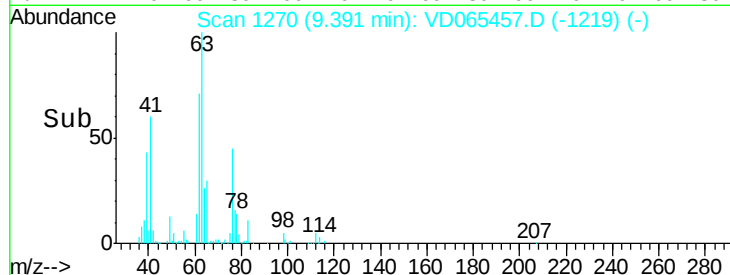
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.417 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

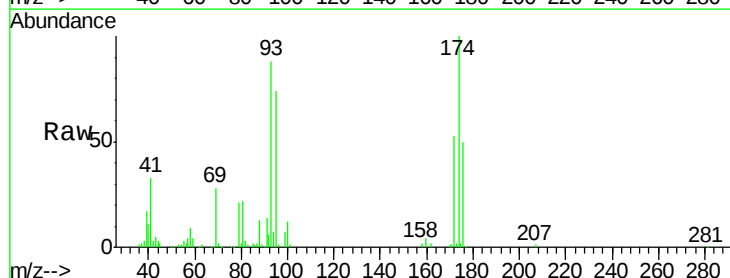
Tgt Ion: 93 Resp: 116993

Ion Ratio Lower Upper

93 100

95 82.6 65.0 97.6

174 111.7 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

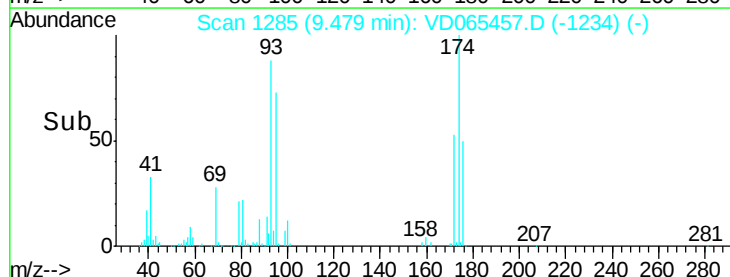
60000

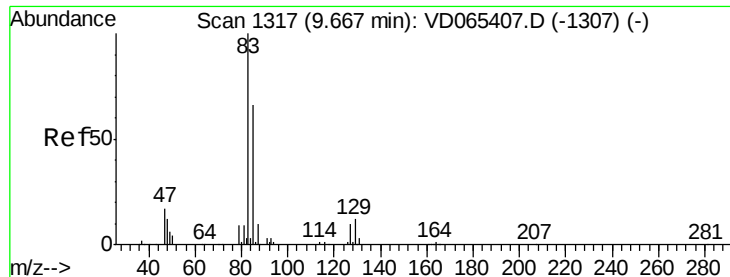
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 51.208 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

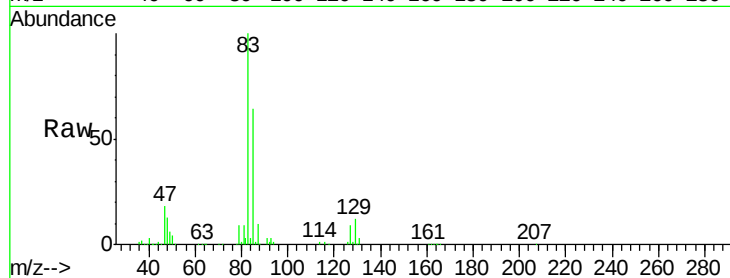
Tot Ion: 83 Resp: 303123

Ion Ratio Lower Upper

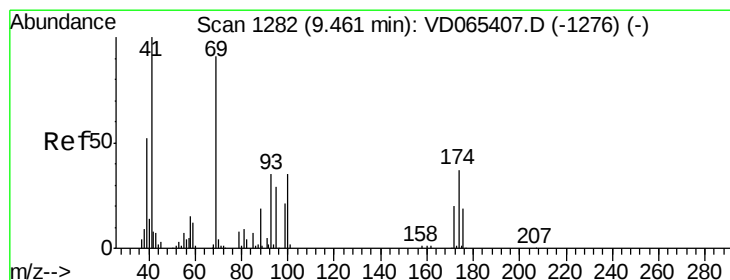
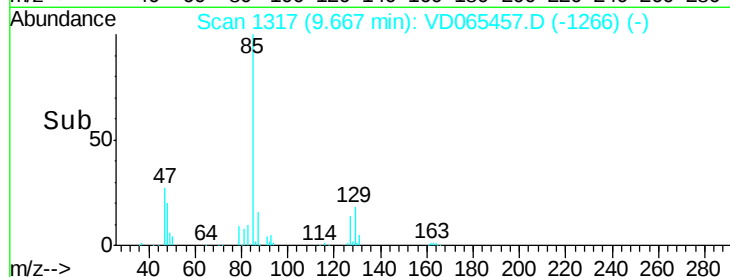
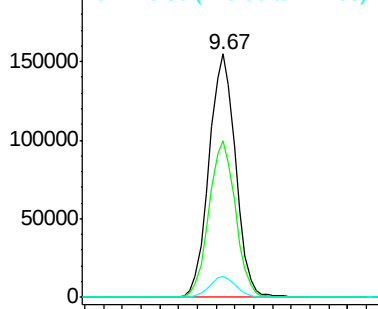
83 100

85 64.1 52.8 79.2

127 8.8 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): V



#48

Methyl methacrylate

Concen: 49.693 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

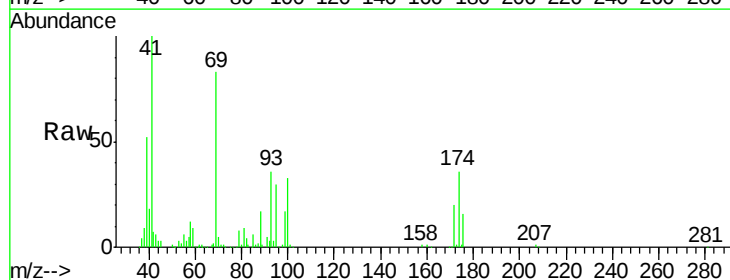
Tgt Ion: 41 Resp: 108049

Ion Ratio Lower Upper

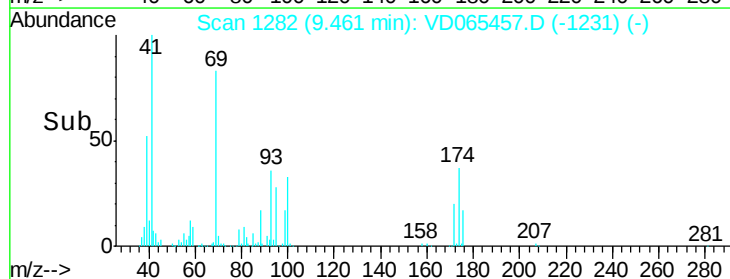
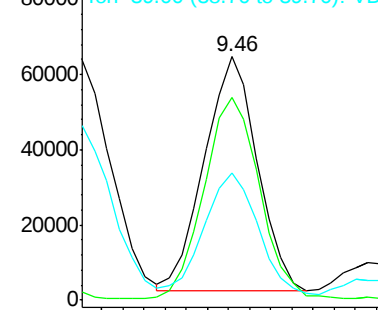
41 100

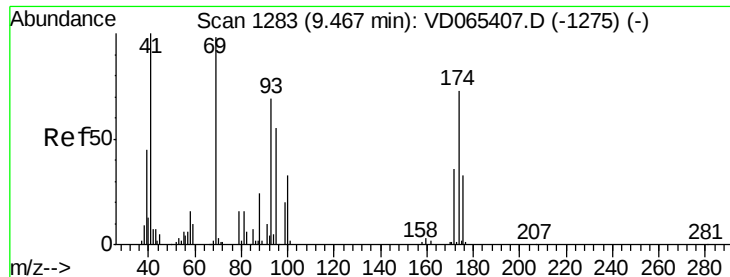
69 90.7 72.5 108.7

39 52.1 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

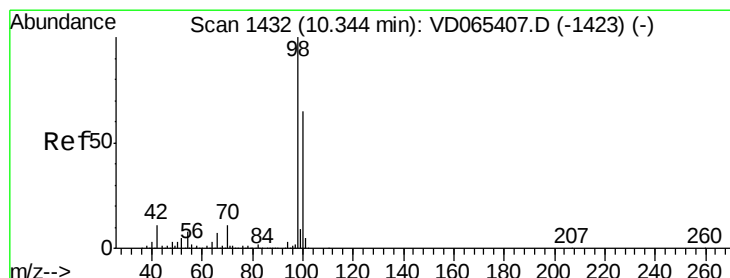
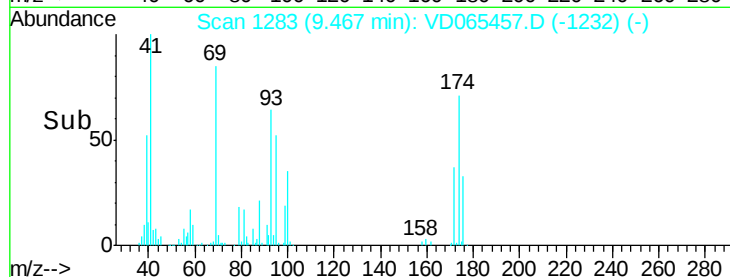
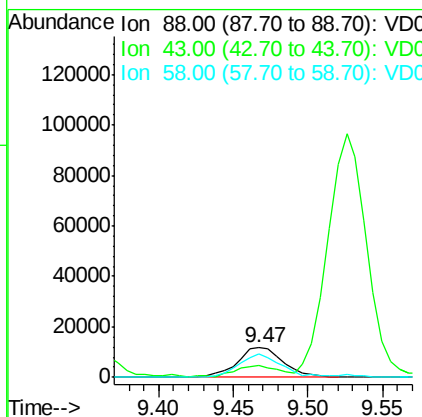
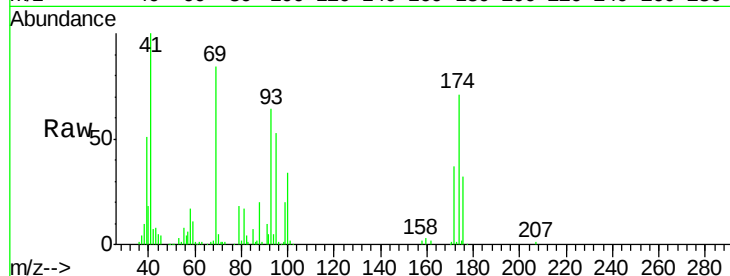




#49
1,4-Dioxane
Concen: 963.777 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

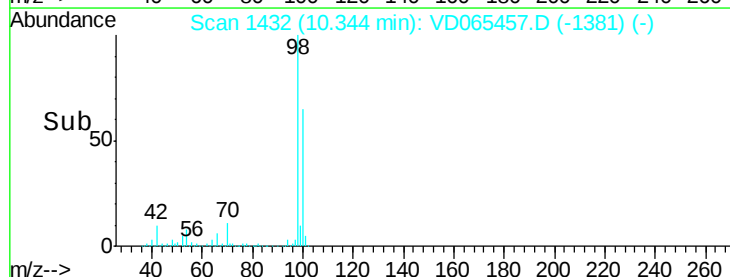
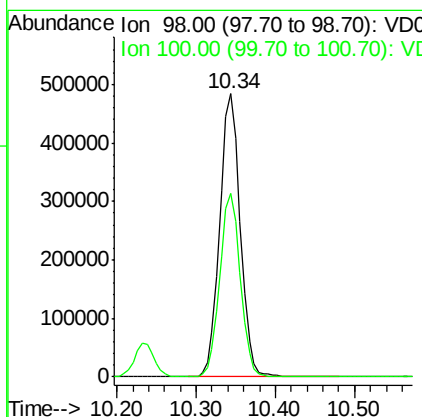
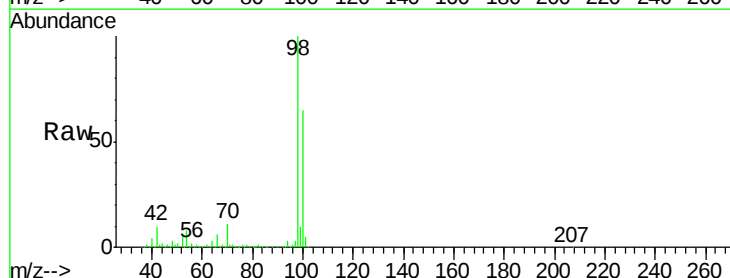
Instrument :
MSVOA_D
ClientSampleId :

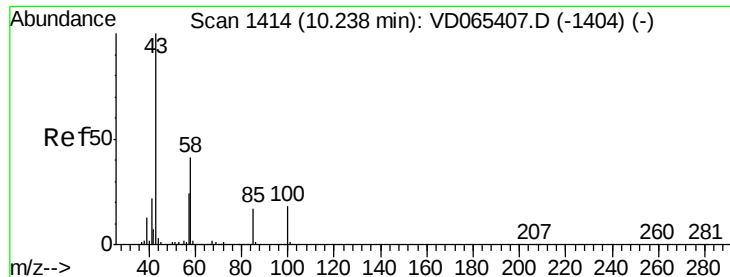
Tot Ion: 88 Resp: 25084
Ion Ratio Lower Upper
88 100
43 32.2 24.5 36.7
58 73.1 54.5 81.7



#50
Toluene-d8
Concen: 54.200 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 98 Resp: 868839
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 262.691 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

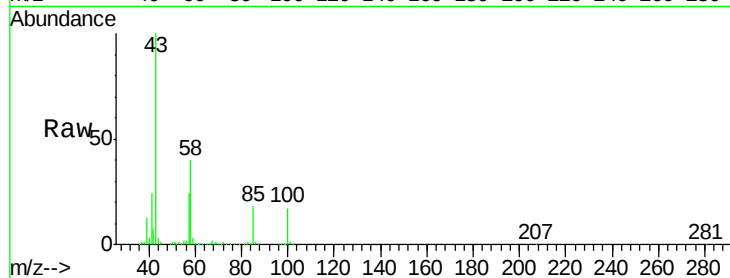
ClientSampleId :

Tot Ion: 43 Resp: 611041

Ion Ratio Lower Upper

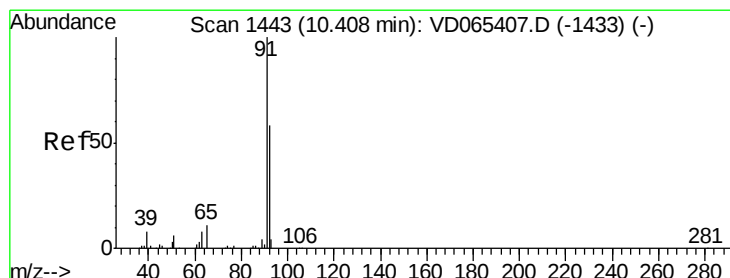
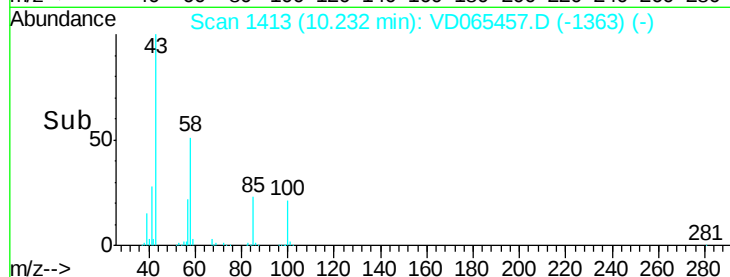
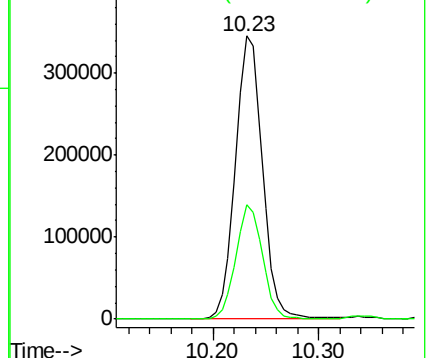
43 100

58 39.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.033 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065457.D

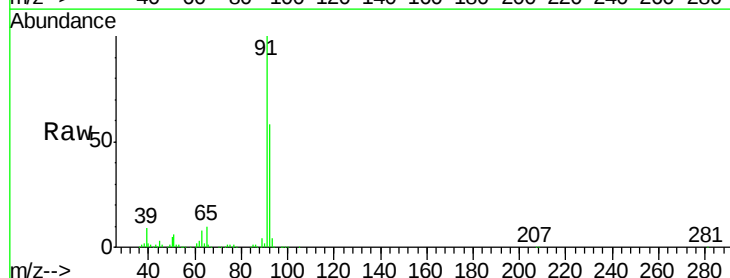
Acq: 09 Mar 2020 18:42

Tgt Ion: 92 Resp: 582196

Ion Ratio Lower Upper

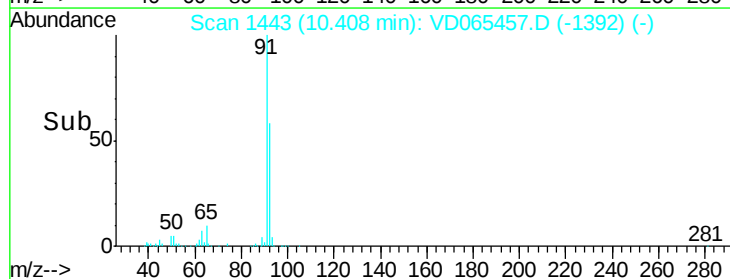
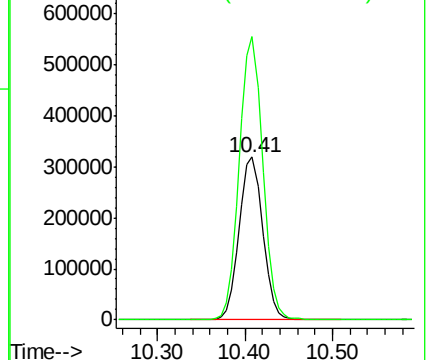
92 100

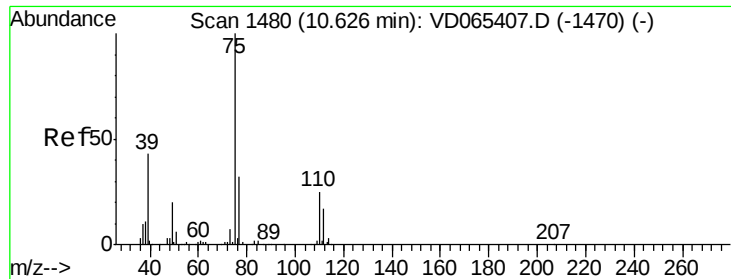
91 171.7 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

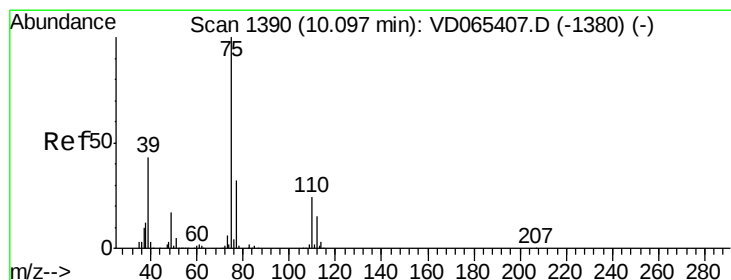
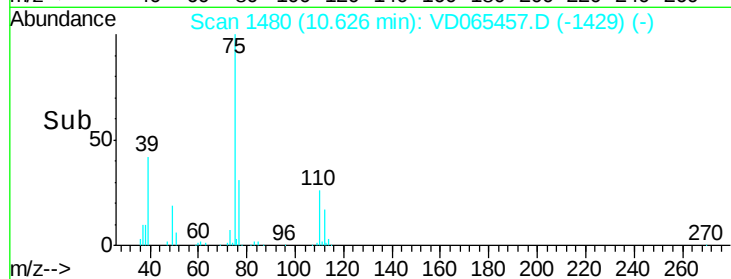
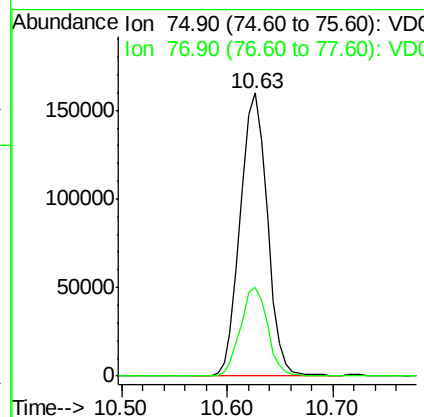
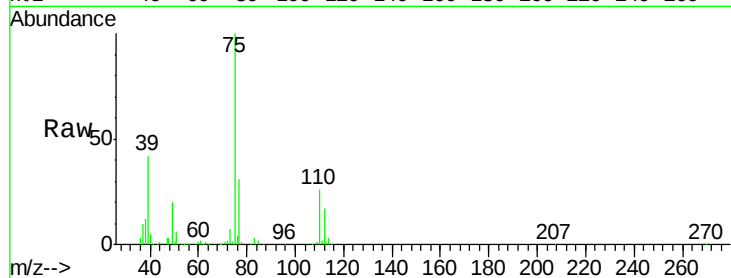




#53
t-1,3-Dichloropropene
Concen: 51.408 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

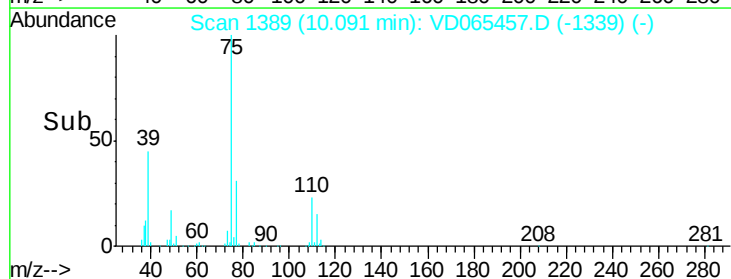
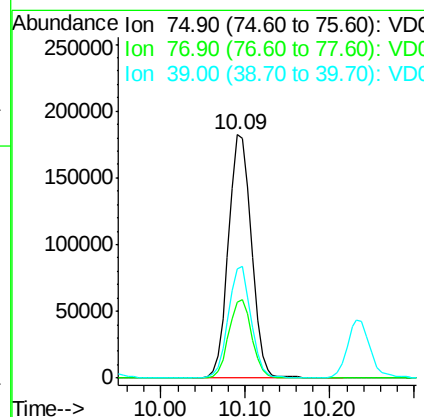
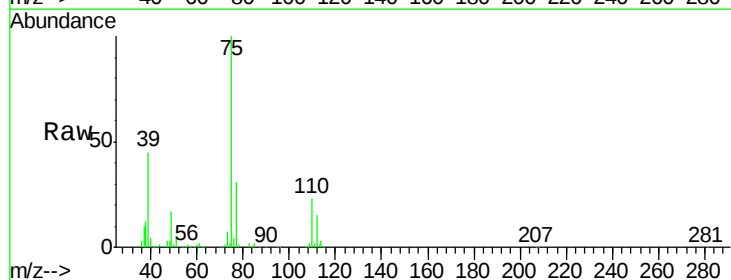
Instrument :
MSVOA_D
ClientSampleId :

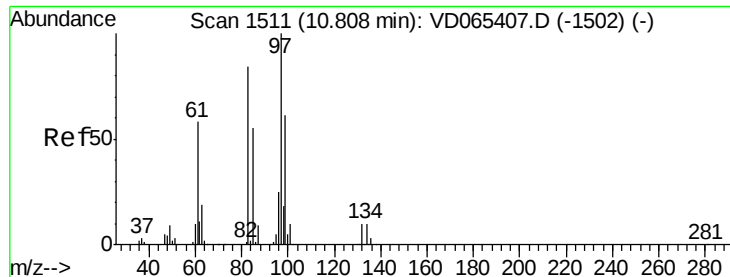
Tot Ion: 75 Resp: 284381
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 51.335 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 75 Resp: 343731
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9
39 44.8 34.6 52.0





#55

1,1,2-Trichloroethane

Concen: 51.295 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 165307

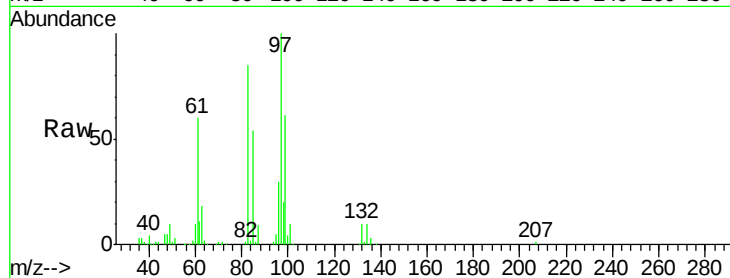
Ion Ratio Lower Upper

97 100

83 84.5 67.4 101.0

85 53.7 43.8 65.8

99 61.1 48.8 73.2

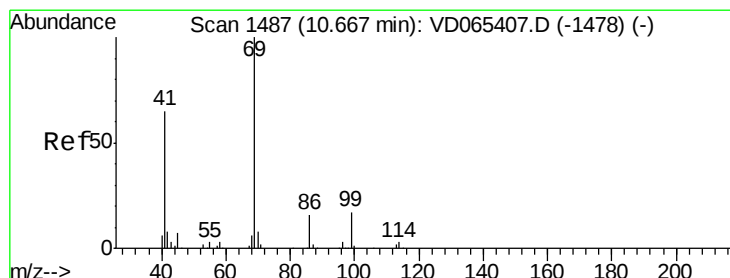
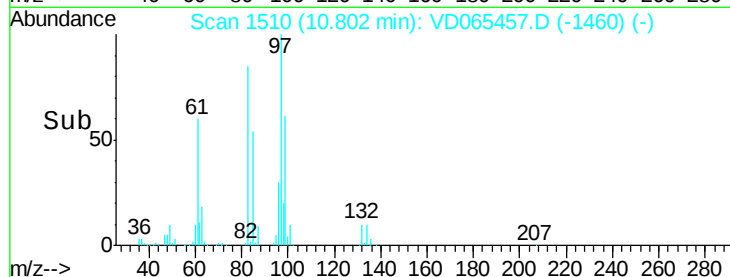
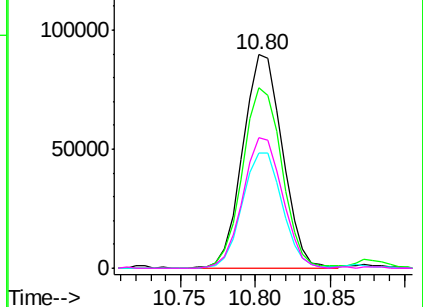


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 52.727 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

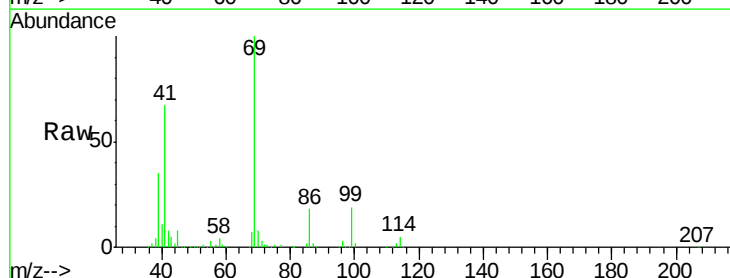
Tgt Ion: 69 Resp: 191562

Ion Ratio Lower Upper

69 100

41 66.3 53.0 79.6

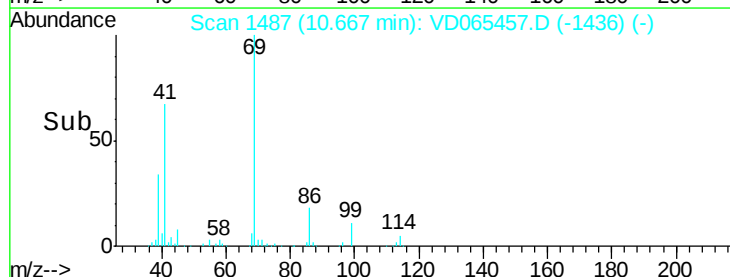
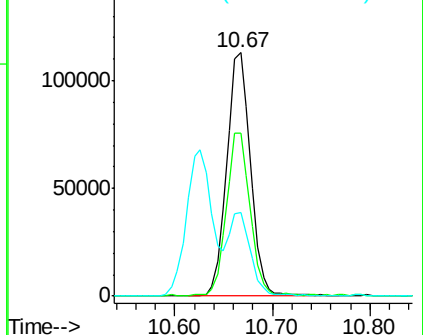
39 30.8 26.0 39.0



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: 50.646 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

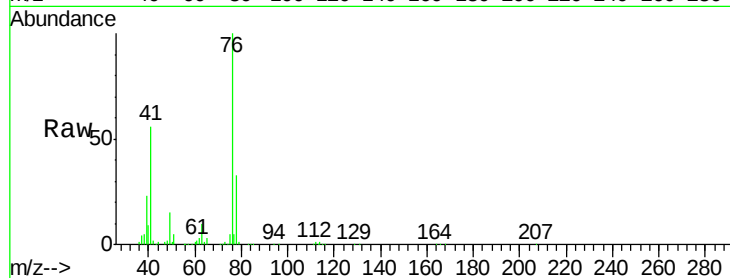
ClientSampleId :

Tot Ion: 76 Resp: 276158

Ion Ratio Lower Upper

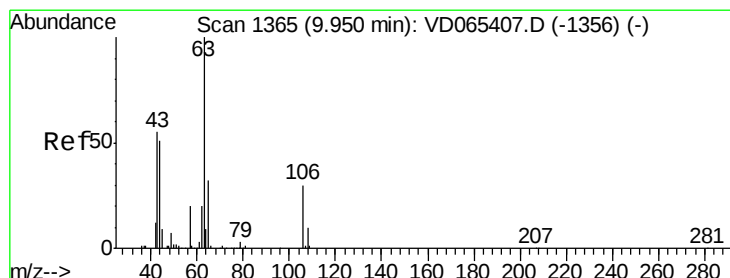
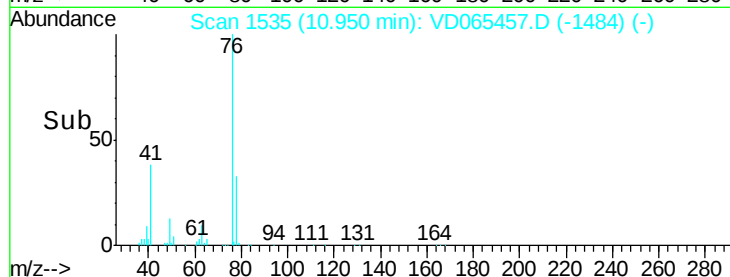
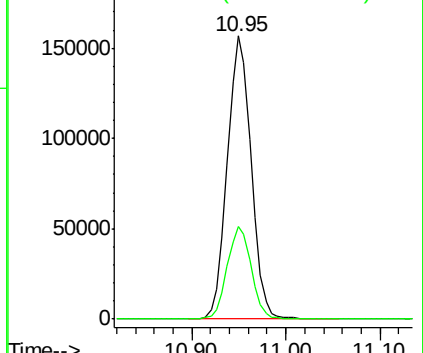
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 231.379 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065457.D

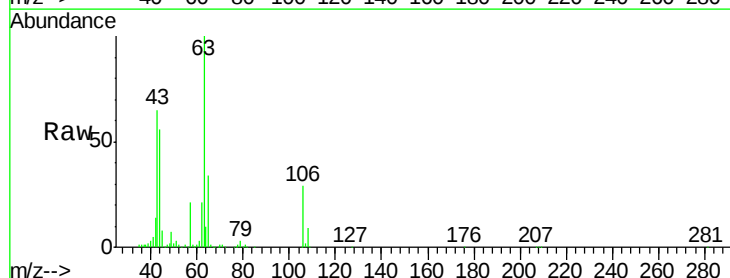
Acq: 09 Mar 2020 18:42

Tgt Ion: 63 Resp: 262542

Ion Ratio Lower Upper

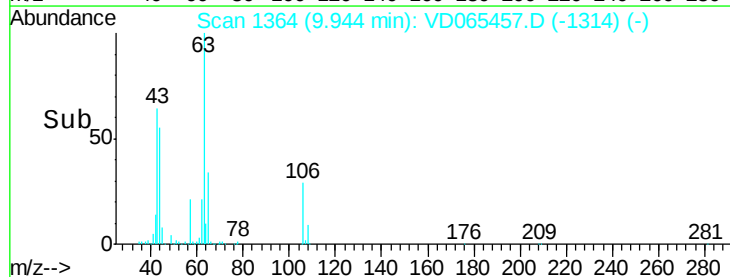
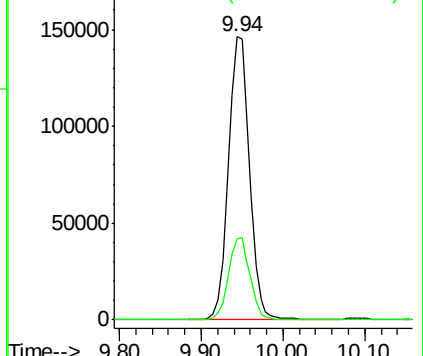
63 100

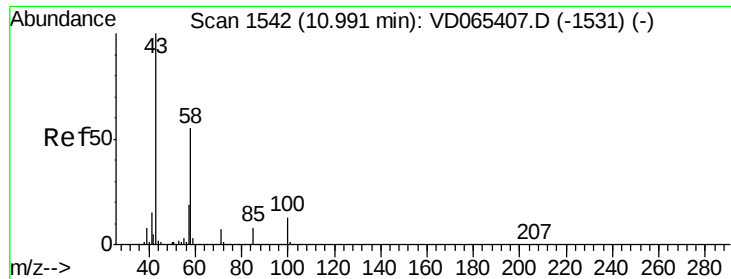
106 29.3 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

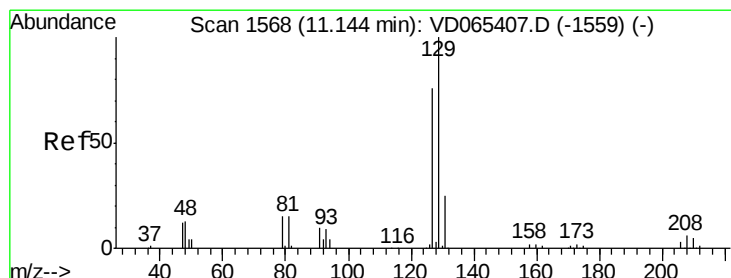
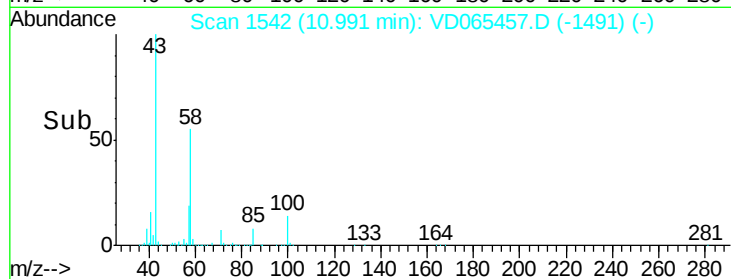
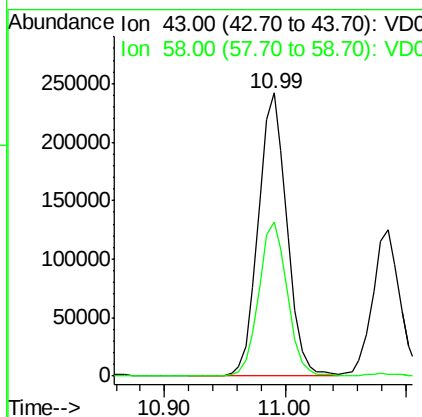
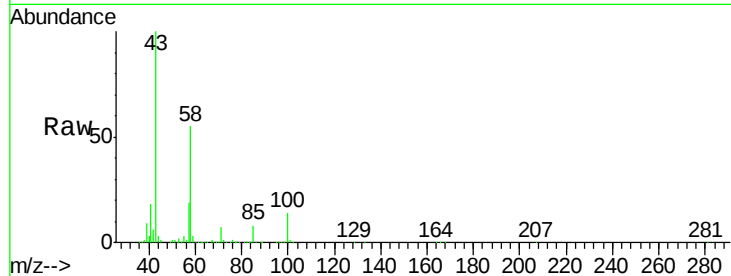




#59
2-Hexanone
Concen: 248.673 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

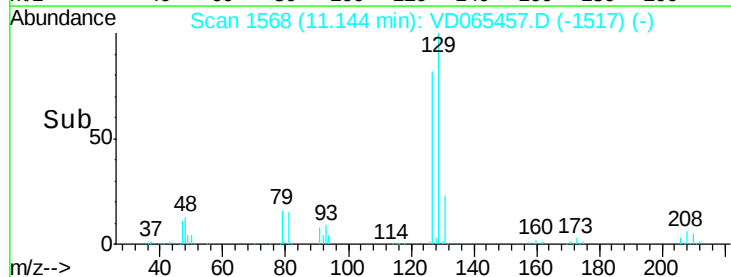
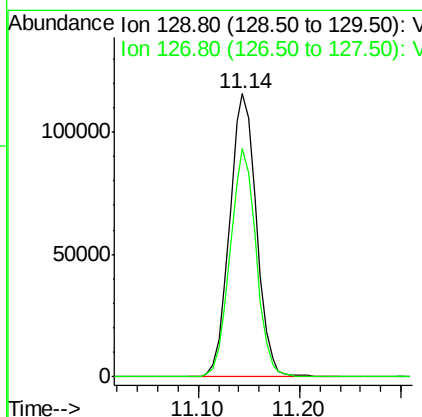
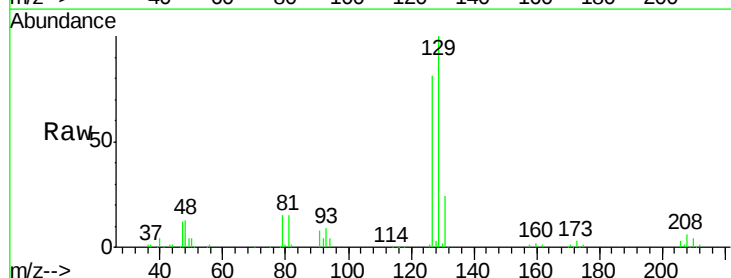
Instrument :
MSVOA_D
ClientSampleId :

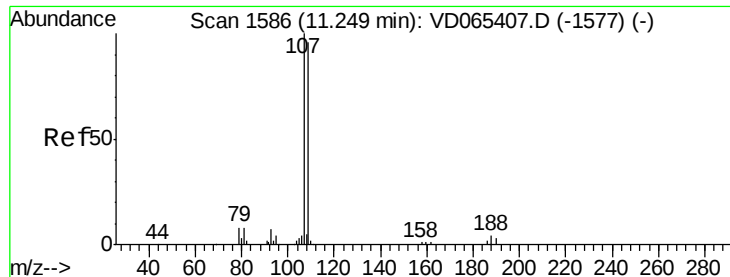
Tot Ion: 43 Resp: 400416
Ion Ratio Lower Upper
43 100
58 54.4 27.4 82.2



#60
Dibromochloromethane
Concen: 51.362 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 129 Resp: 212172
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.585 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

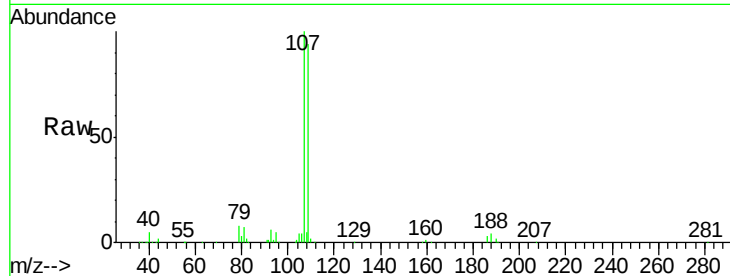
ClientSampleId :

Tot Ion: 107 Resp: 155495

Ion Ratio Lower Upper

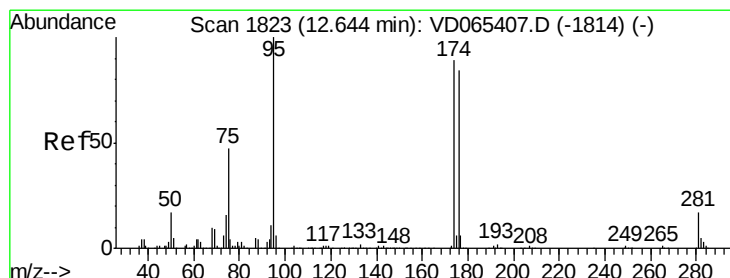
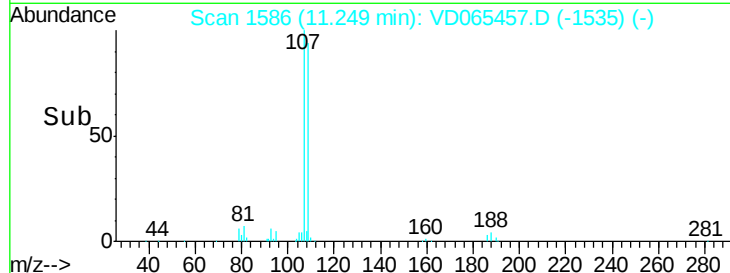
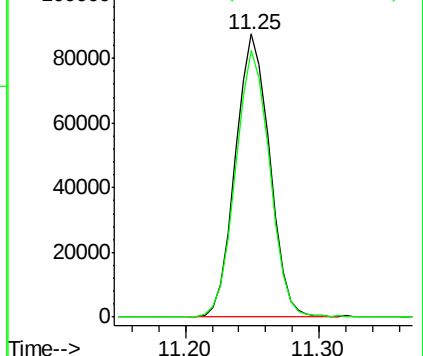
107 100

109 94.3 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: 54.078 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

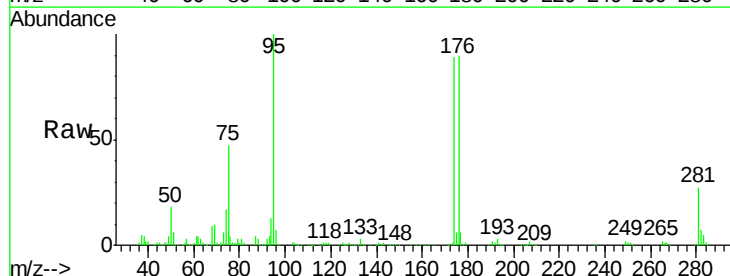
Tgt Ion: 95 Resp: 267612

Ion Ratio Lower Upper

95 100

174 91.5 0.0 176.8

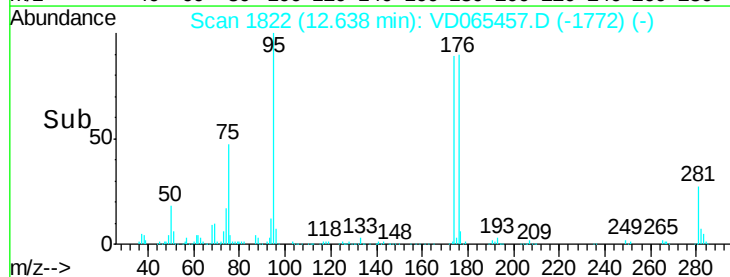
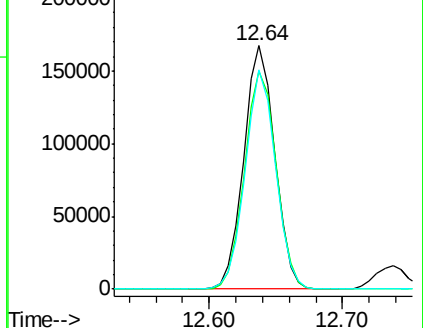
176 88.4 0.0 171.4



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

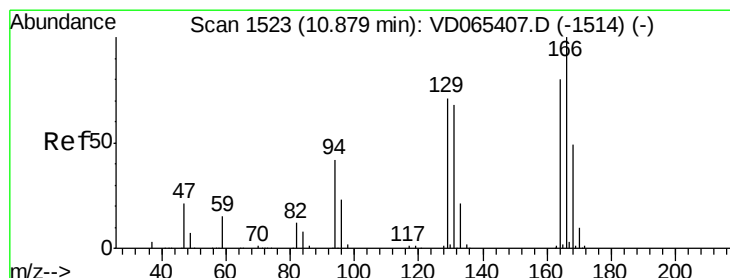
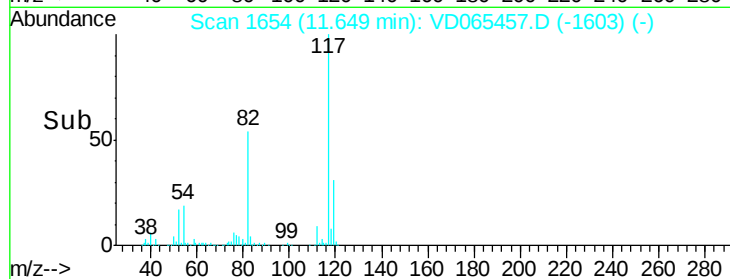
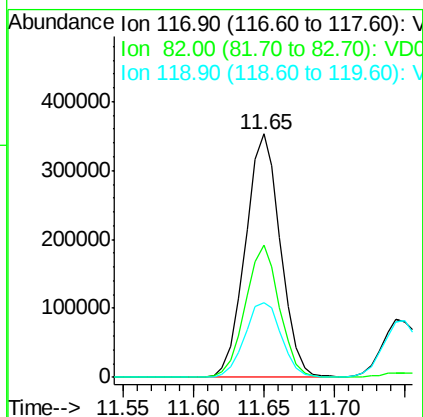
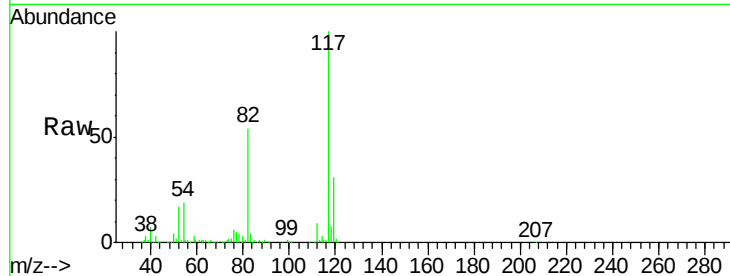




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

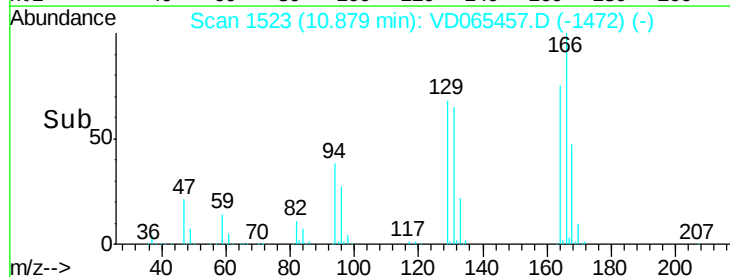
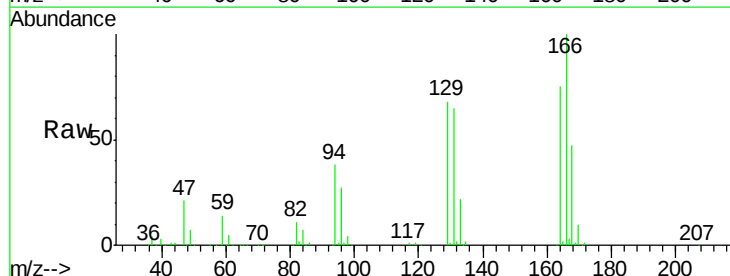
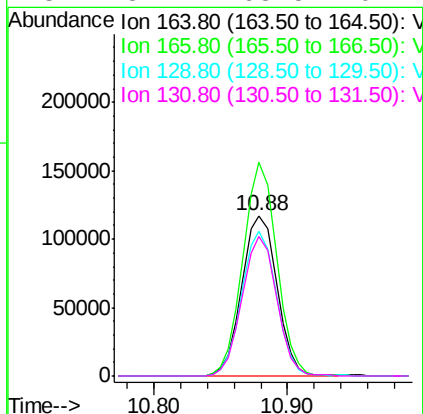
Instrument :
MSVOA_D
ClientSampleId :

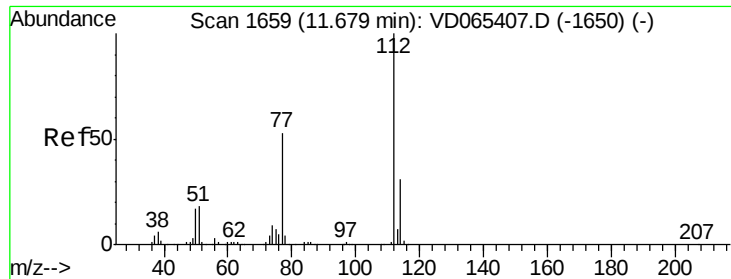
Tot Ion:117 Resp: 614352
Ion Ratio Lower Upper
117 100
82 54.3 40.6 60.8
119 30.9 25.4 38.2



#64
Tetrachloroethene
Concen: 48.666 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion:164 Resp: 214236
Ion Ratio Lower Upper
164 100
166 133.0 100.5 150.7
129 89.9 71.5 107.3
131 87.1 68.5 102.7

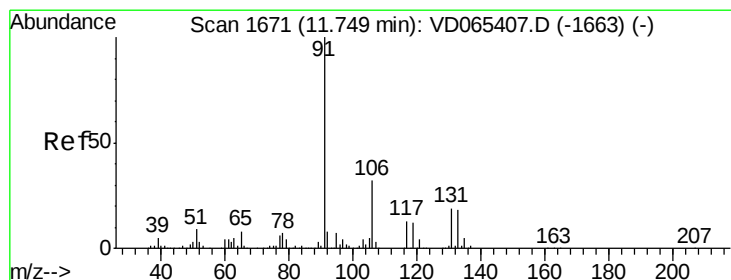
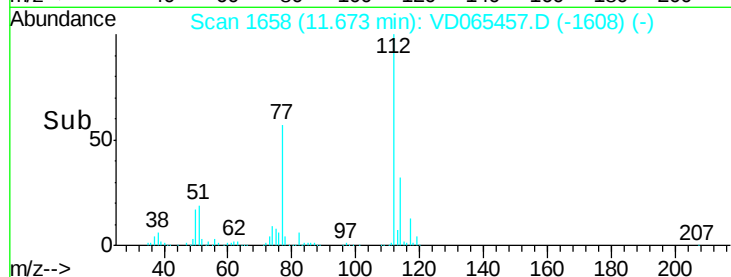
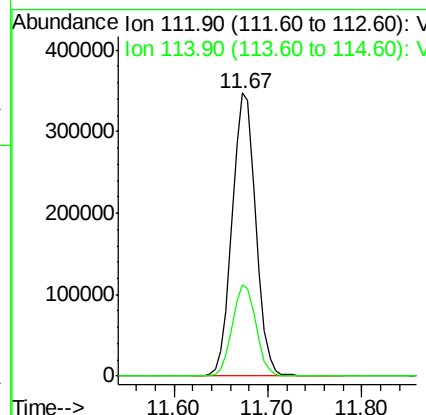
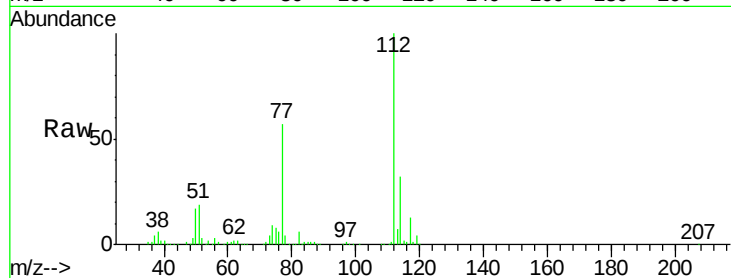




#65
Chlorobenzene
Concen: 49.763 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

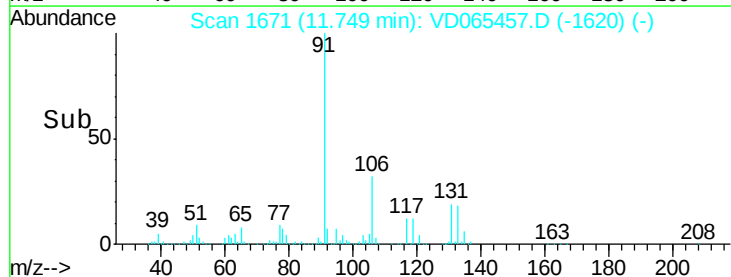
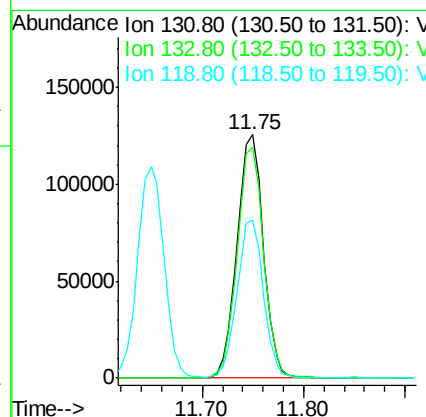
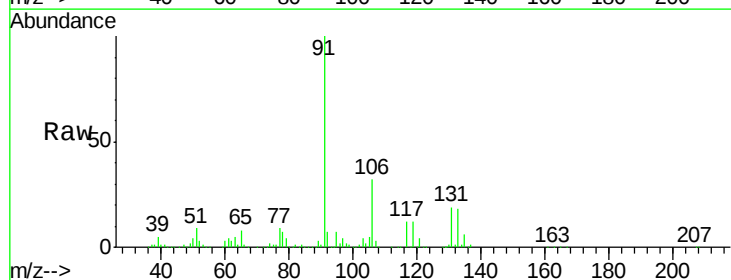
Instrument :
MSVOA_D
ClientSampleId :

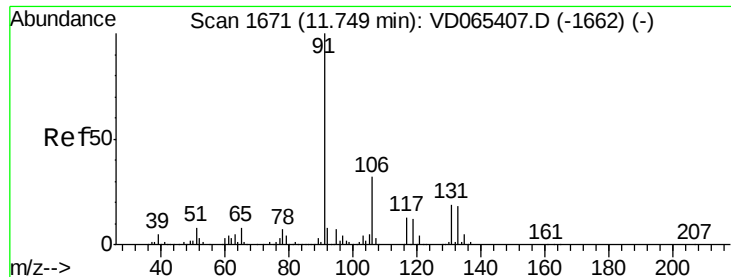
Tot Ion:112 Resp: 604984
Ion Ratio Lower Upper
112 100
114 32.4 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.306 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion:131 Resp: 227169
Ion Ratio Lower Upper
131 100
133 95.4 49.2 147.6
119 65.2 33.3 99.8

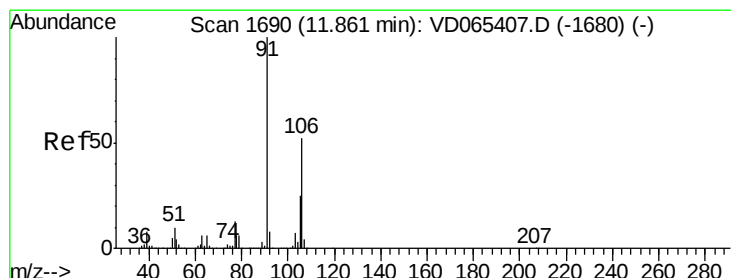
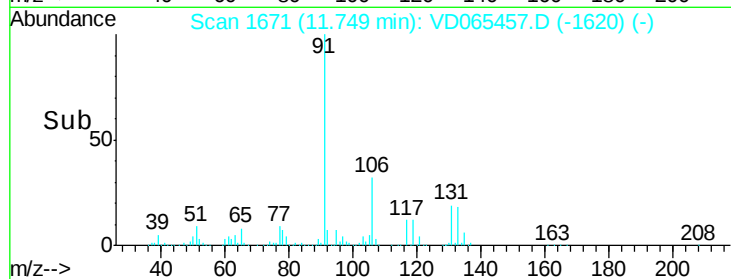
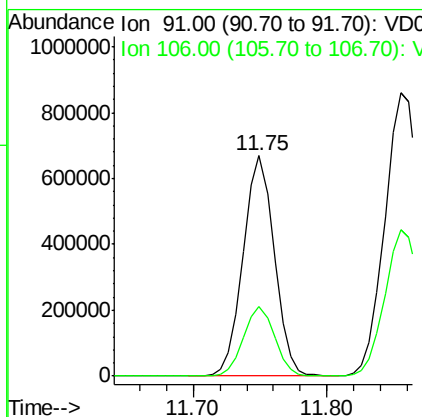
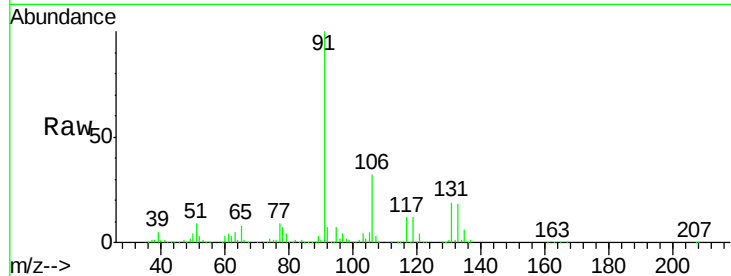




#67
Ethyl Benzene
Concen: 51.469 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

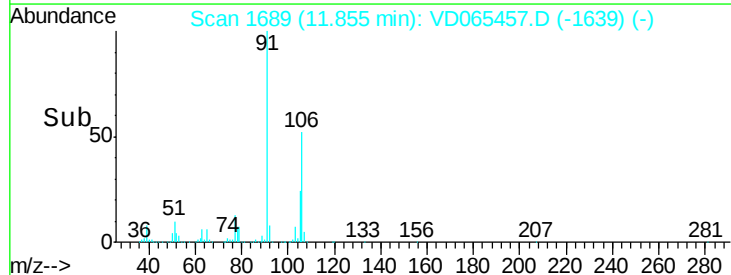
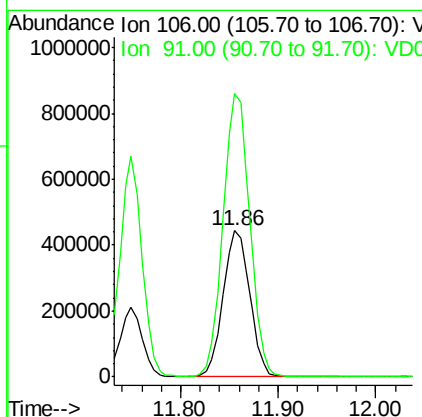
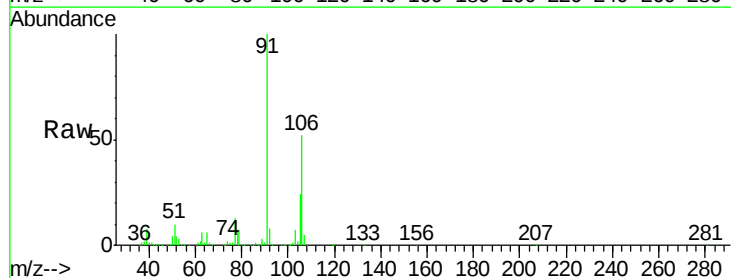
Instrument :
MSVOA_D
ClientSampled :

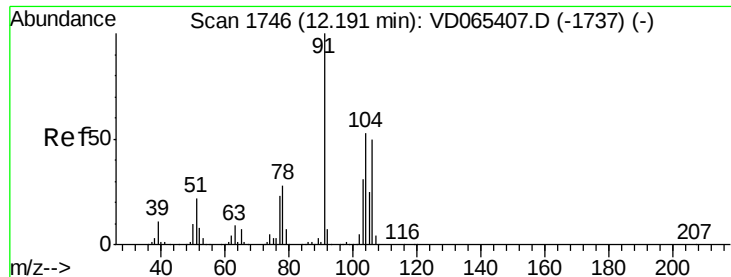
Tot Ion: 91 Resp: 1081178
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8



#68
m/p-Xylenes
Concen: 103.744 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 106 Resp: 840309
Ion Ratio Lower Upper
106 100
91 194.2 155.9 233.9

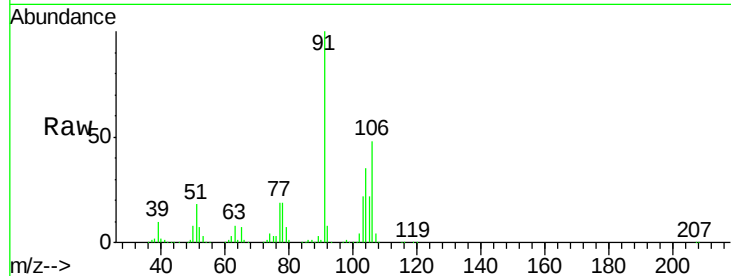




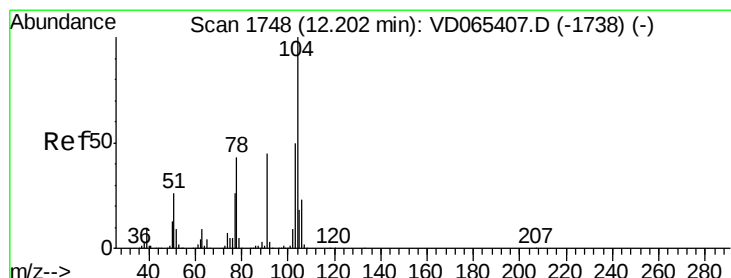
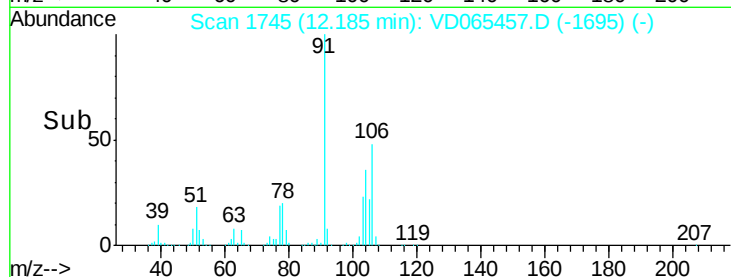
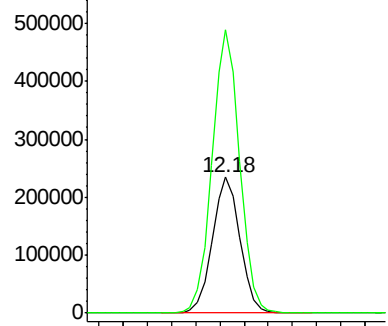
#69
o-Xylene
Concen: 52.554 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 374445
Ion Ratio Lower Upper
106 100
91 207.2 103.5 310.3

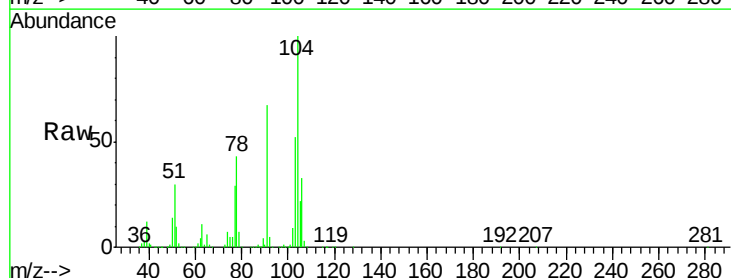


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

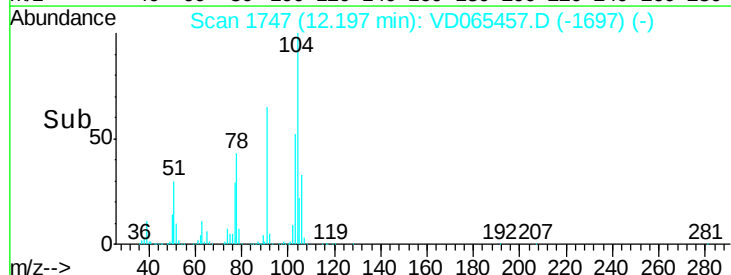
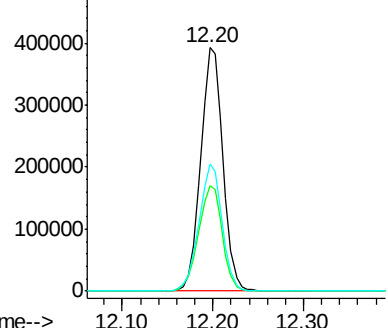


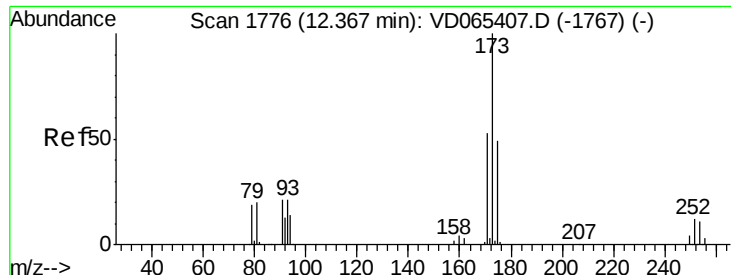
#70
Styrene
Concen: 53.277 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion:104 Resp: 668072
Ion Ratio Lower Upper
104 100
78 46.3 37.7 56.5
103 54.5 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: 50.124 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

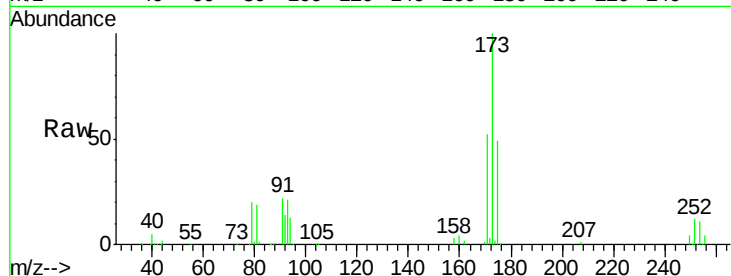
Tot Ion:173 Resp: 124662

Ion Ratio Lower Upper

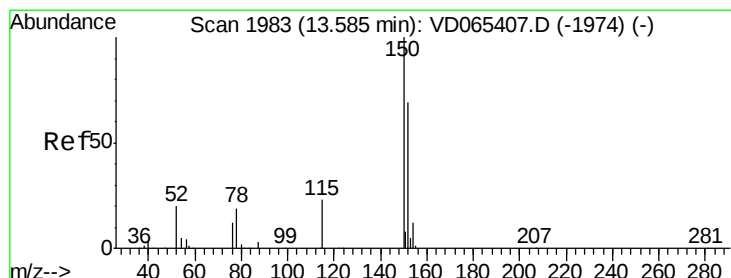
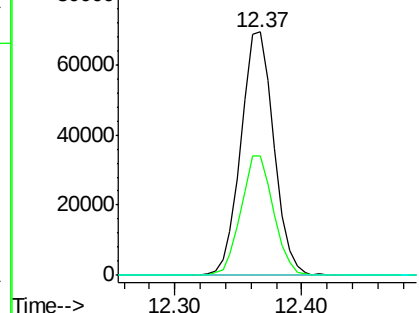
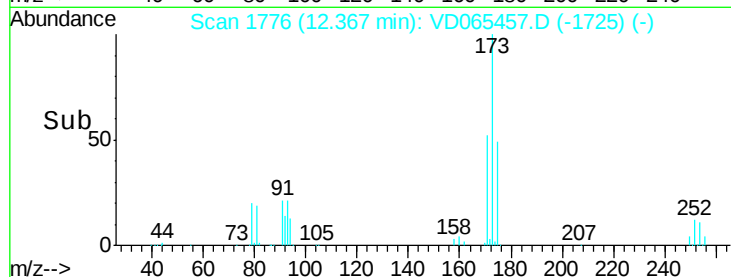
173 100

175 48.4 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: VD065457.D

Acq: 09 Mar 2020 18:42

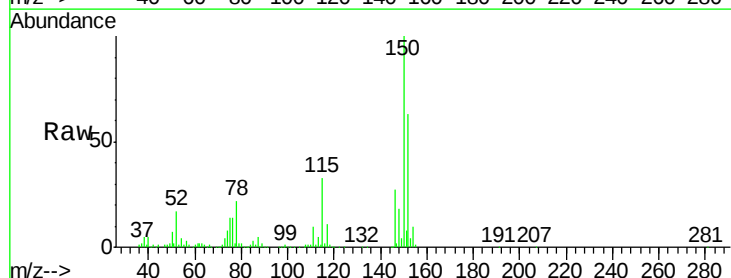
Tgt Ion:152 Resp: 300180

Ion Ratio Lower Upper

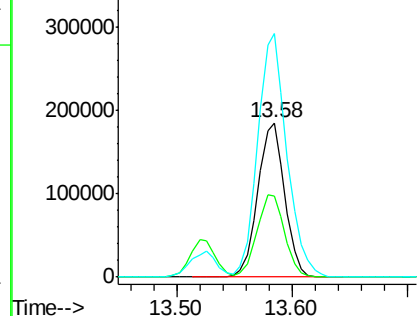
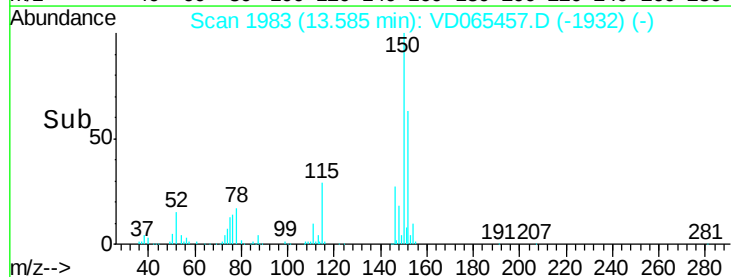
152 100

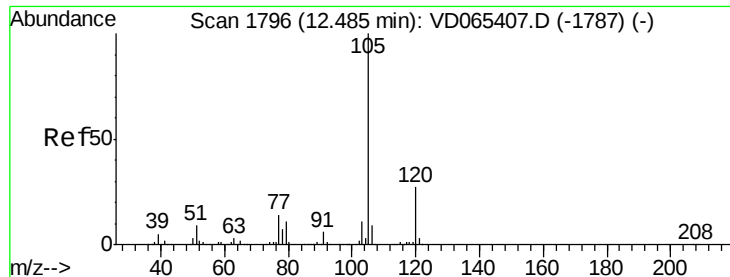
115 54.9 27.6 82.8

150 171.2 0.0 345.0



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





#73

Isopropylbenzene

Concen: 50.854 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

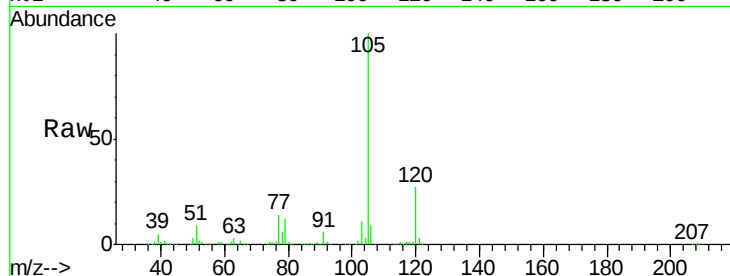
ClientSampleId :

Tot Ion:105 Resp: 1004079

Ion Ratio Lower Upper

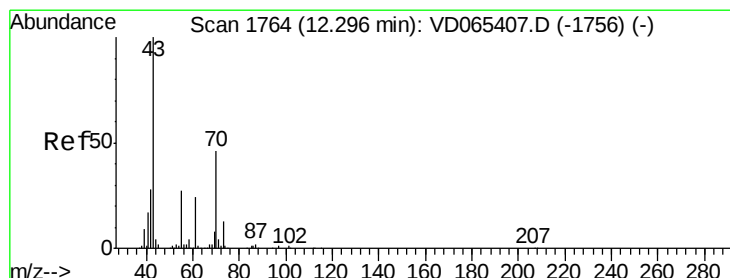
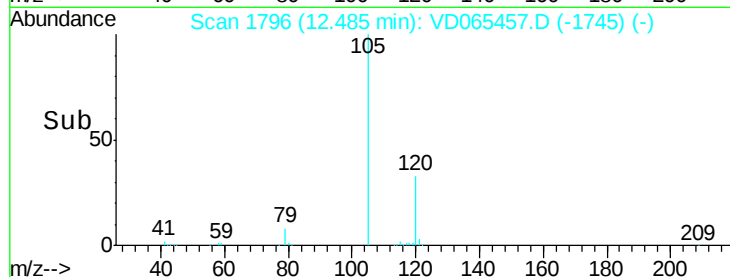
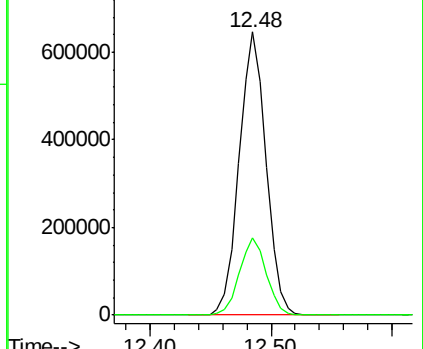
105 100

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: 50.409 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion: 43 Resp: 203761

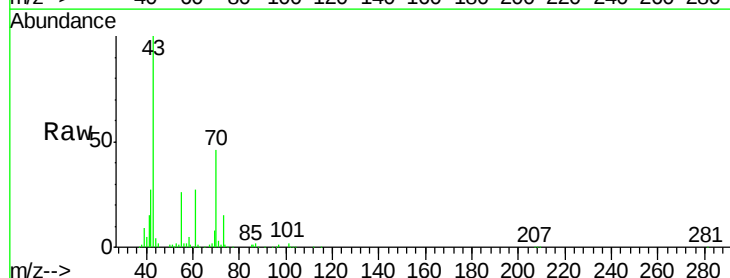
Ion Ratio Lower Upper

43 100

70 45.0 36.1 54.1

55 27.6 21.6 32.4

61 24.7 19.6 29.4

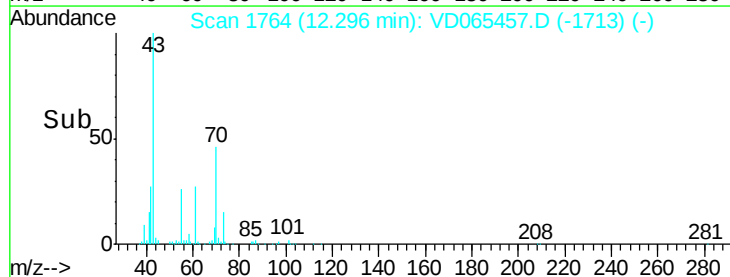
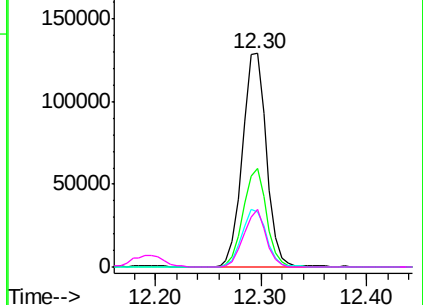


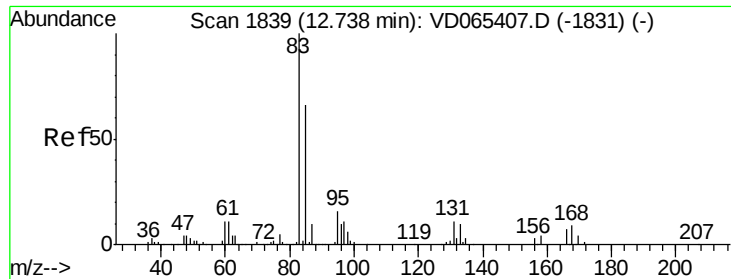
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.829 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampled :

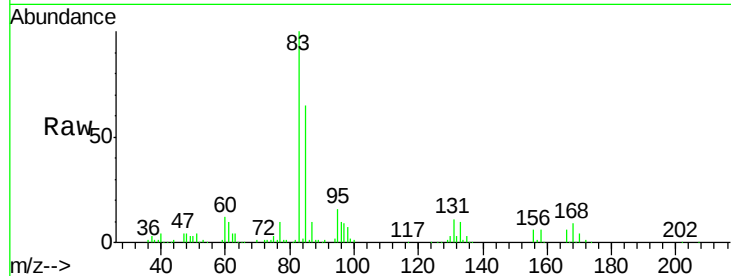
Tot Ion: 83 Resp: 169466

Ion Ratio Lower Upper

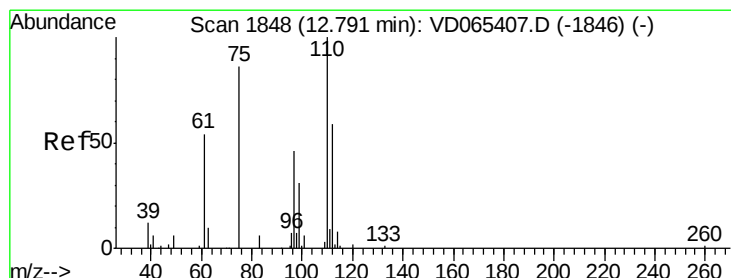
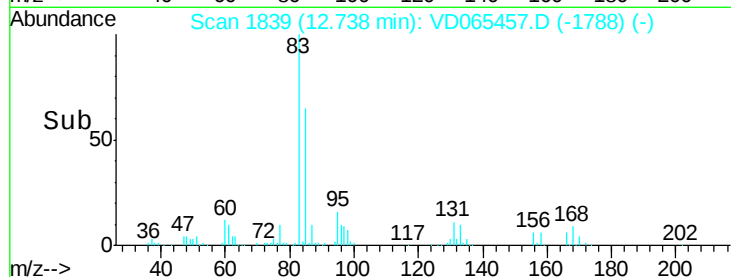
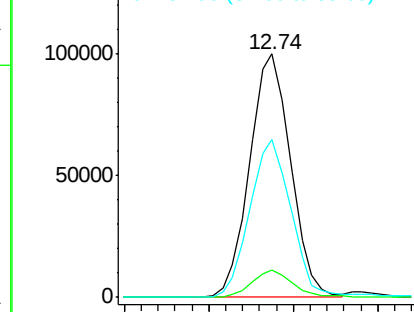
83 100

131 11.4 5.4 16.2

85 66.0 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: 92.928 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065457.D

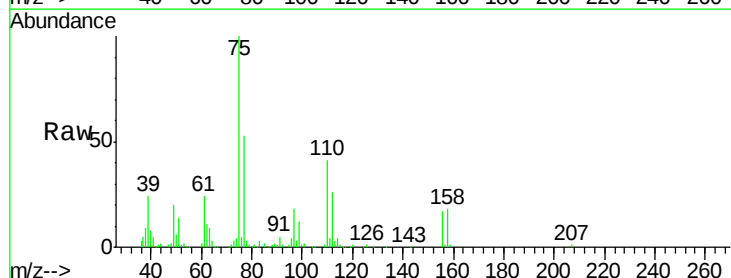
Acq: 09 Mar 2020 18:42

Tgt Ion: 75 Resp: 220115

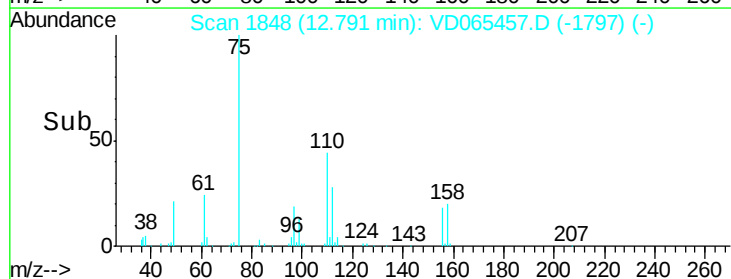
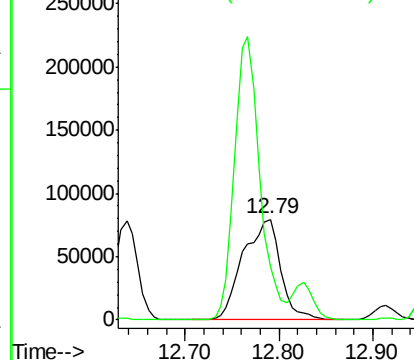
Ion Ratio Lower Upper

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: 50.634 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

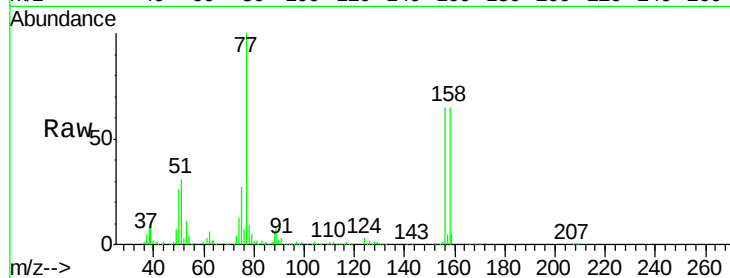
Tot Ion:156 Resp: 248383

Ion Ratio Lower Upper

156 100

77 170.2 84.9 254.6

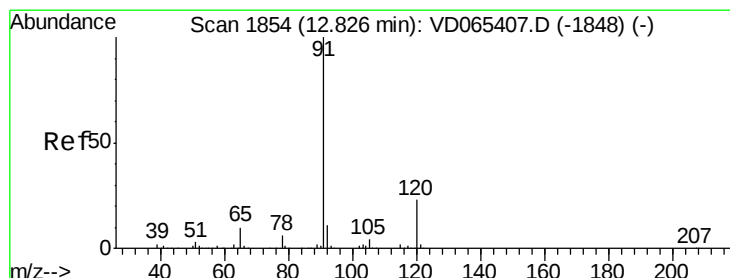
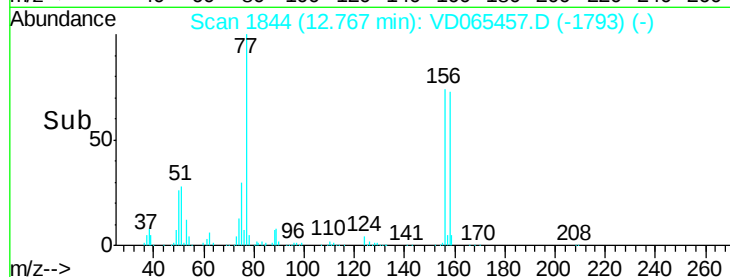
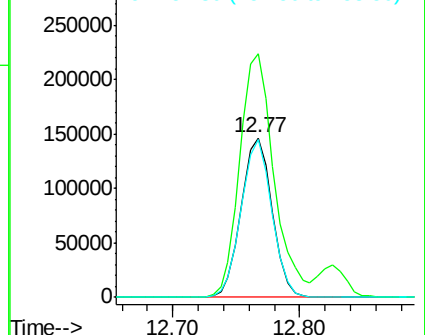
158 98.1 49.0 147.2



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: 51.372 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065457.D

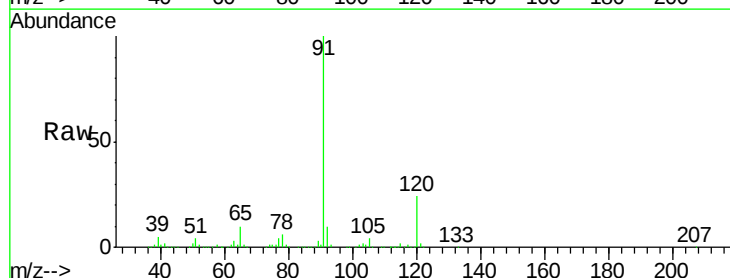
Acq: 09 Mar 2020 18:42

Tgt Ion: 91 Resp: 1203478

Ion Ratio Lower Upper

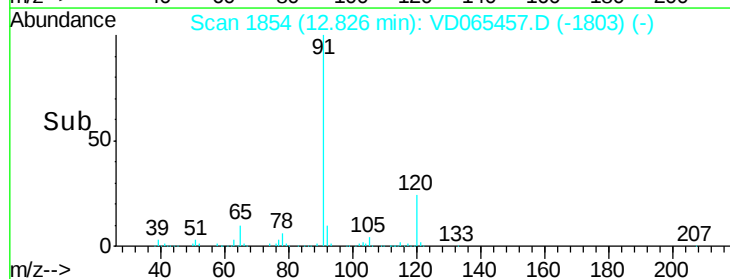
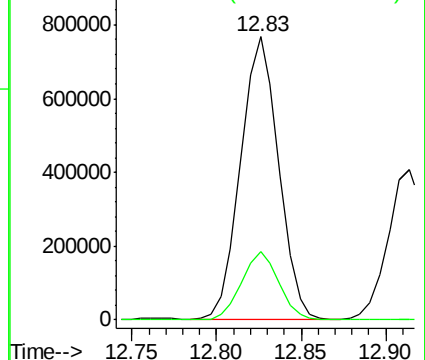
91 100

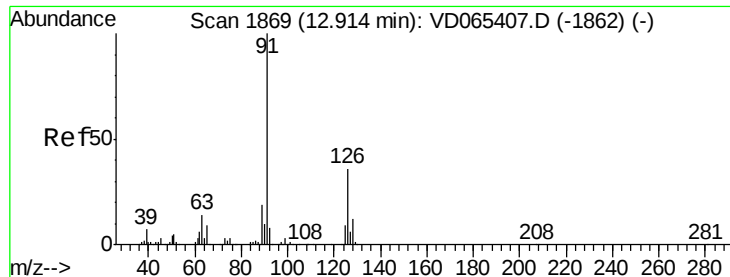
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.245 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

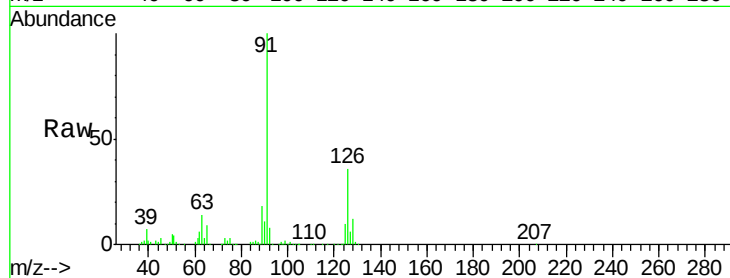
ClientSampleId :

Tot Ion: 91 Resp: 663385

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.8



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

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

12.91

400000

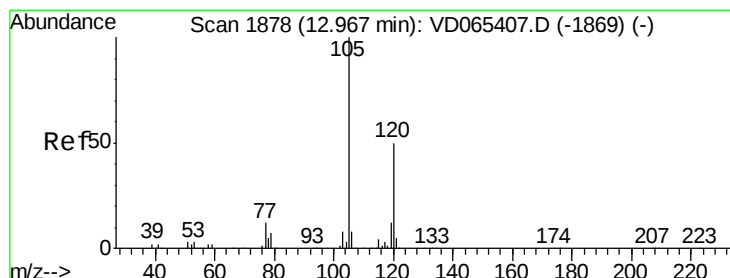
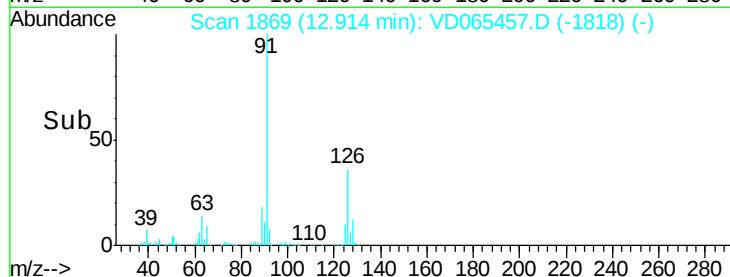
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.367 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065457.D

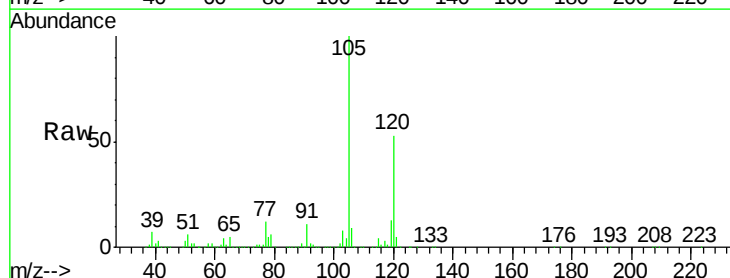
Acq: 09 Mar 2020 18:42

Tgt Ion:105 Resp: 833786

Ion Ratio Lower Upper

105 100

120 51.1 25.4 76.0



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

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

12.97

600000

500000

400000

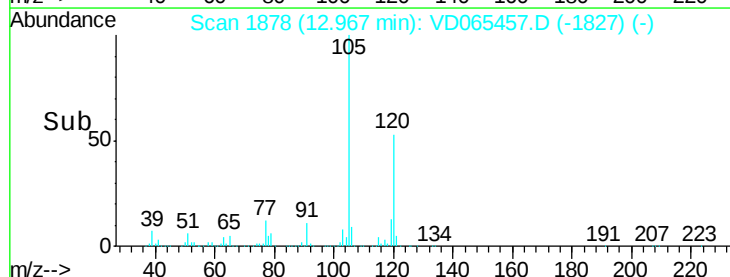
300000

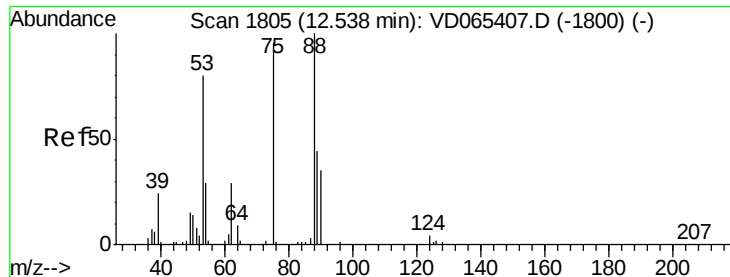
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.547 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

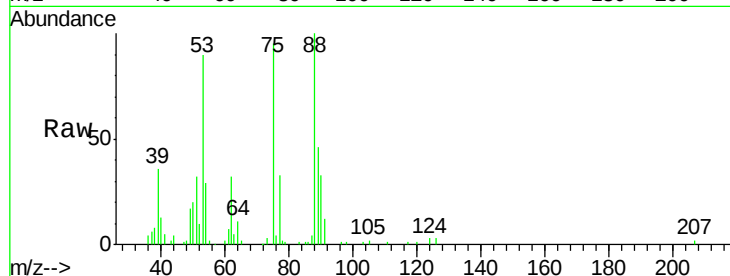
Tot Ion: 75 Resp: 53368

Ion Ratio Lower Upper

75 100

53 93.1 71.3 106.9

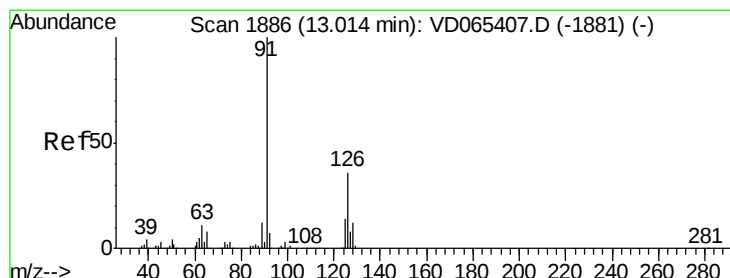
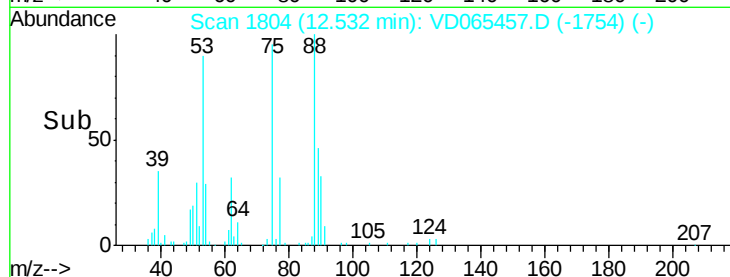
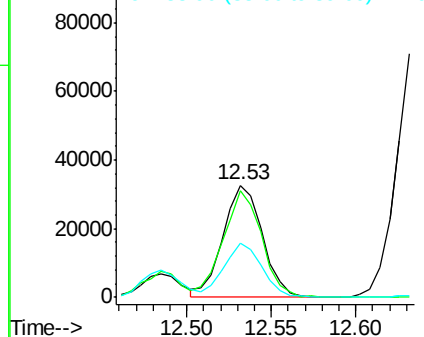
89 46.7 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.133 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065457.D

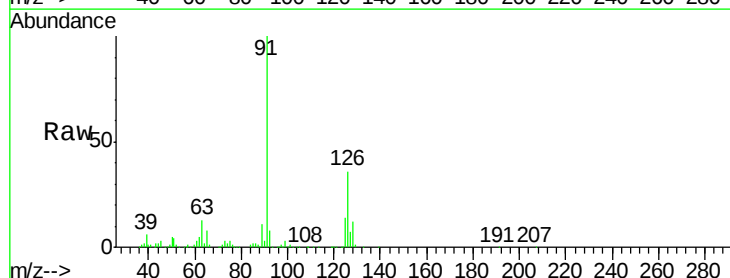
Acq: 09 Mar 2020 18:42

Tgt Ion: 91 Resp: 709418

Ion Ratio Lower Upper

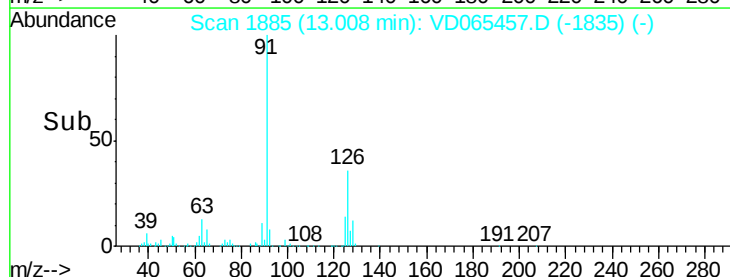
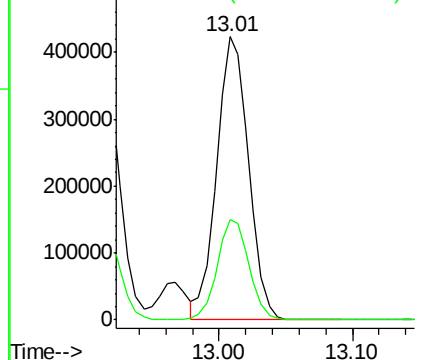
91 100

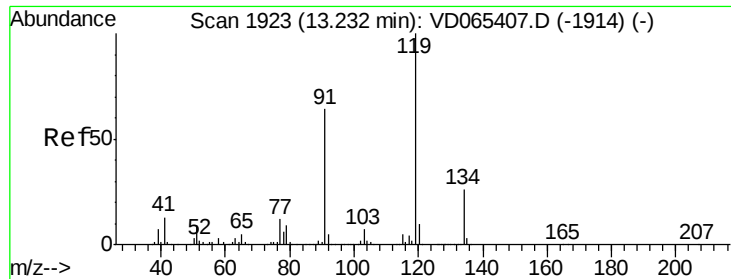
126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

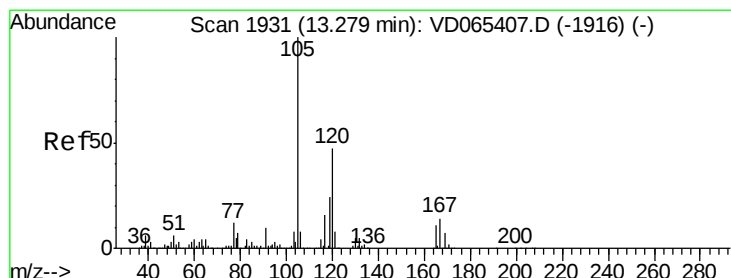
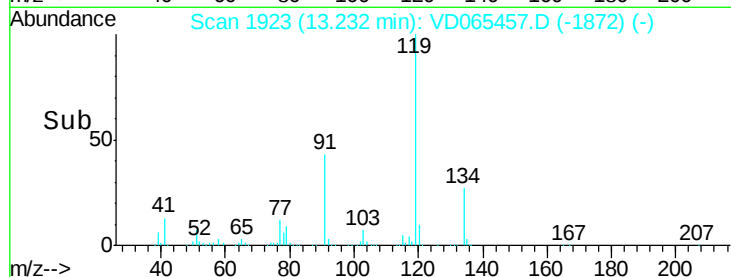
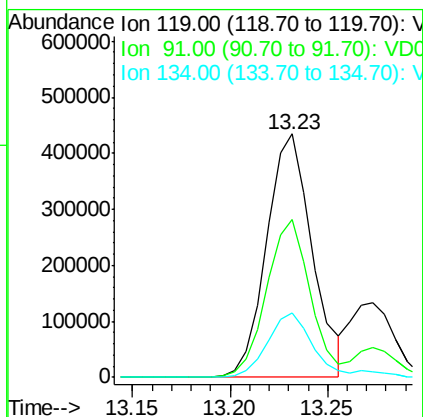
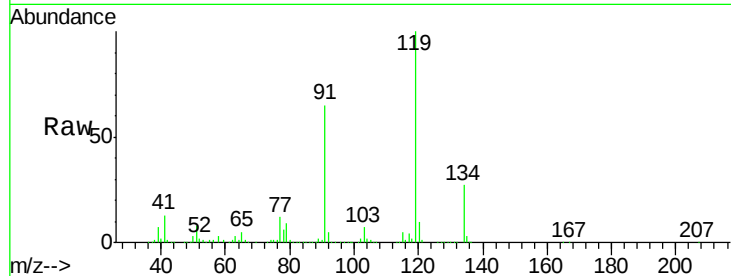




#83
tert-Butylbenzene
Concen: 51.357 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

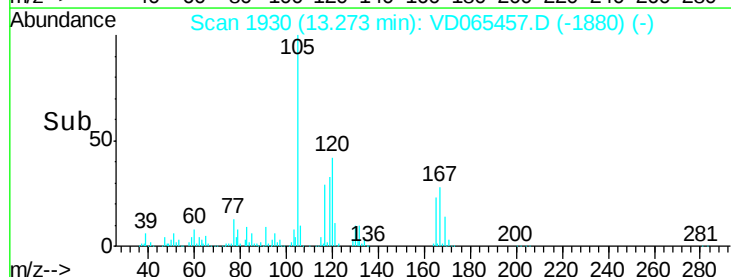
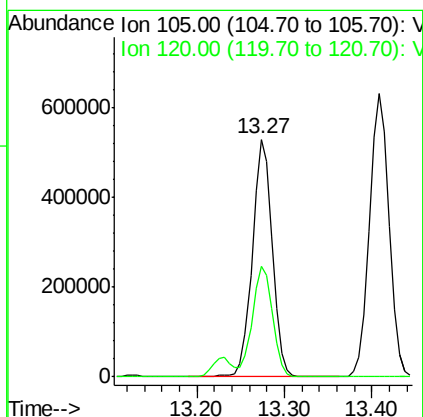
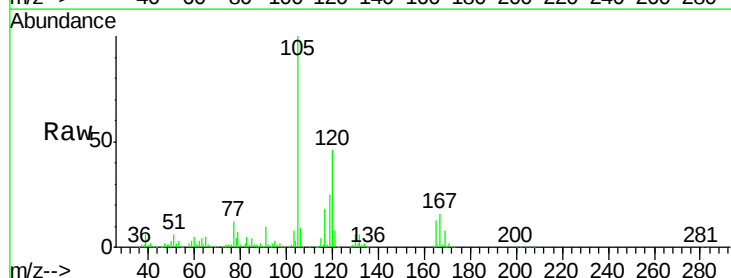
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:119 Resp: 705252
Ion Ratio Lower Upper
119 100
91 61.6 31.6 95.0
134 25.9 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 51.758 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion:105 Resp: 828131
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 50.139 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

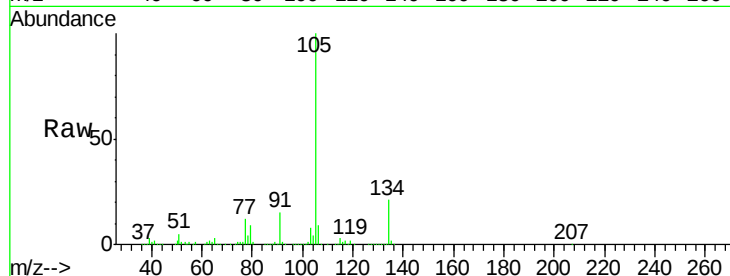
ClientSampleId :

Tot Ion:105 Resp: 982813

Ion Ratio Lower Upper

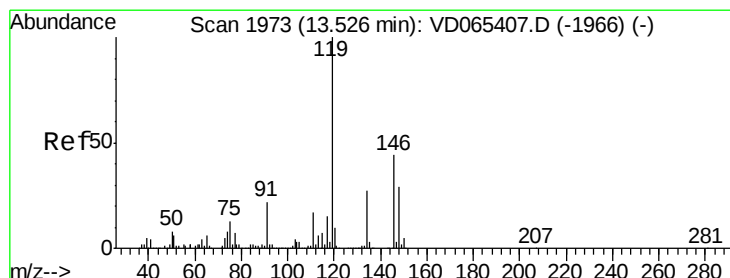
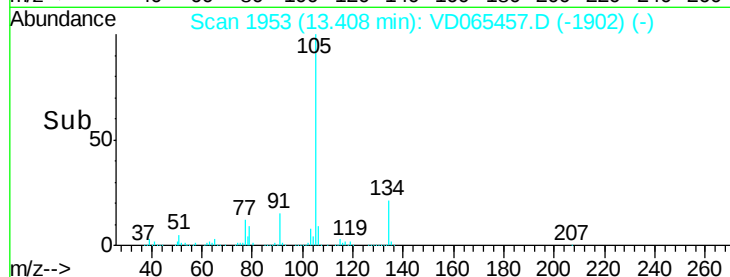
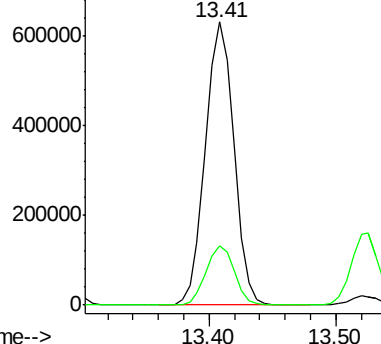
105 100

134 21.0 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: 50.893 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

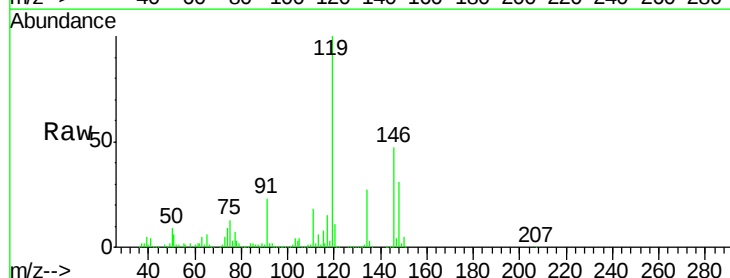
Tgt Ion:119 Resp: 910304

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

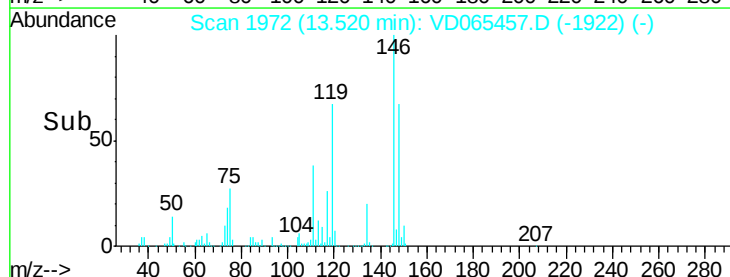
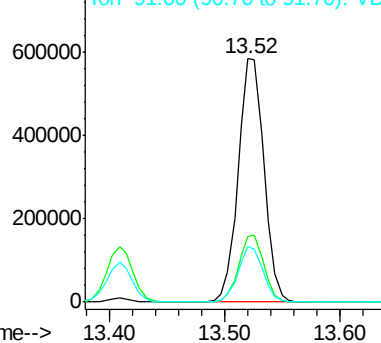
91 21.9 10.9 32.6

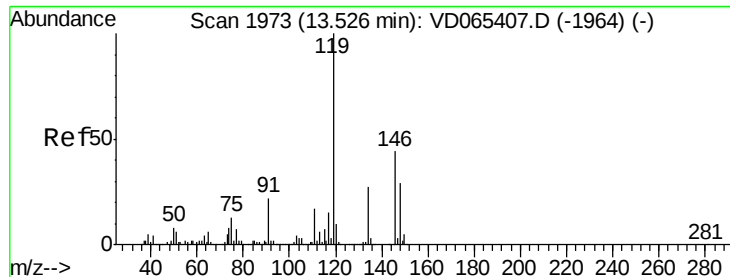


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

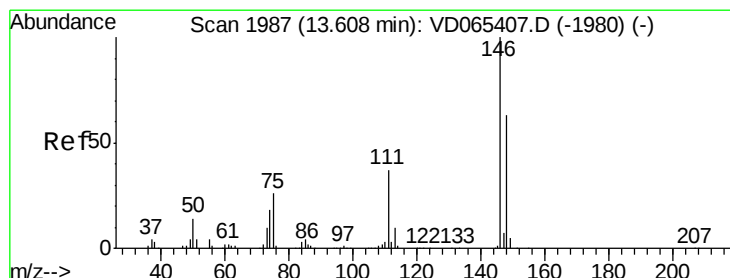
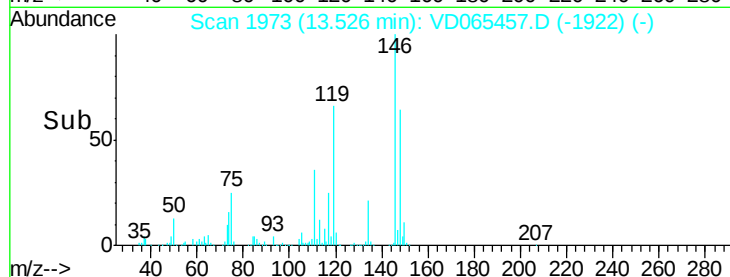
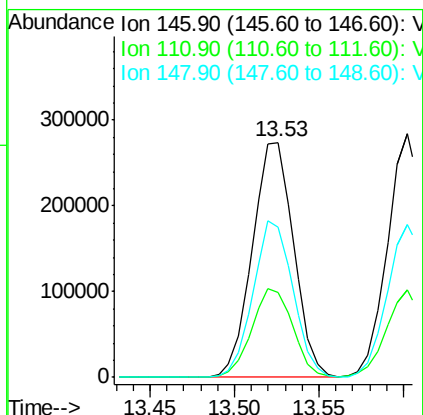
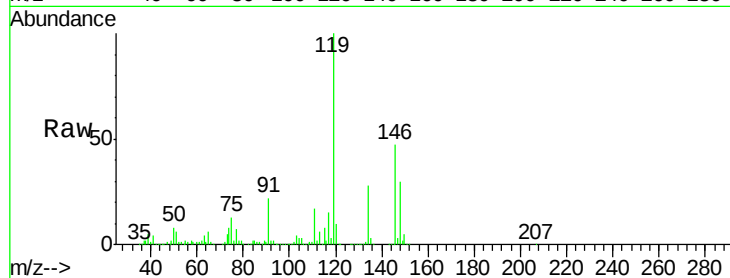




#87
 1,3-Dichlorobenzene
 Concen: 49.526 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

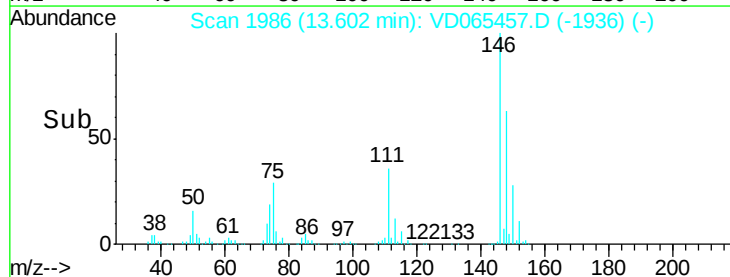
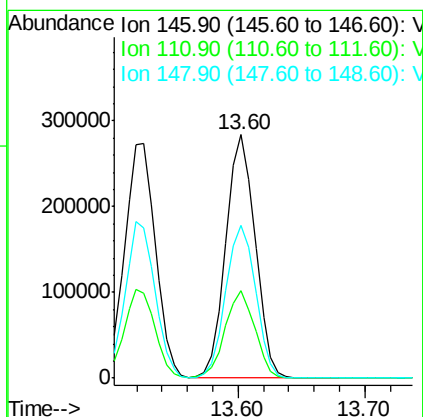
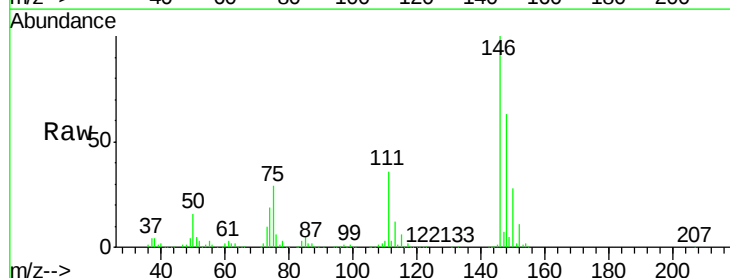
Instrument :
 MSVOA_D
 ClientSampleID :

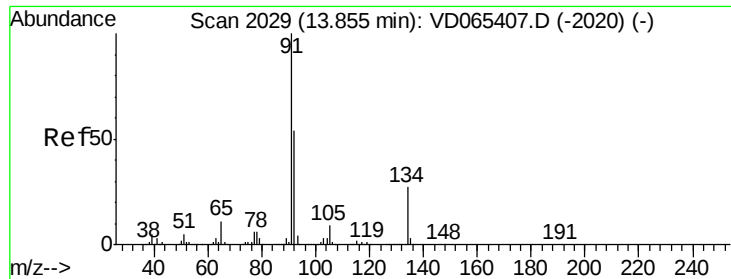
Tot Ion:146 Resp: 467086
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.1
 148 64.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 48.575 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion:146 Resp: 455703
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.5 55.5
 148 64.1 32.0 96.0

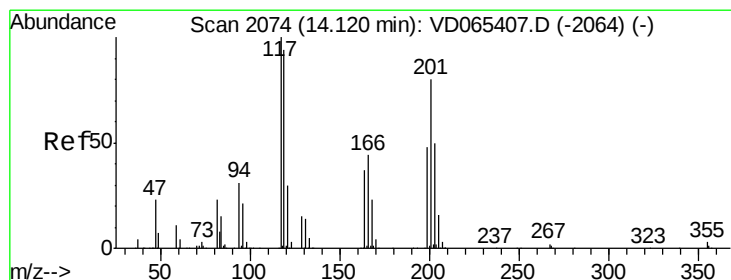
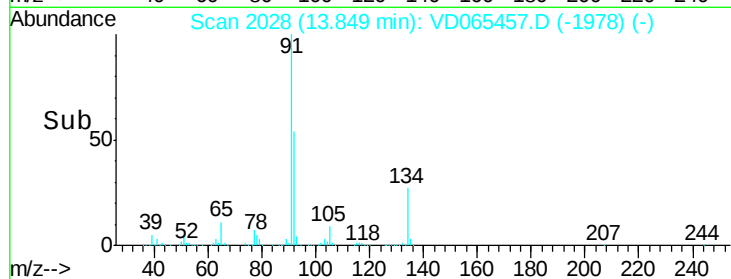
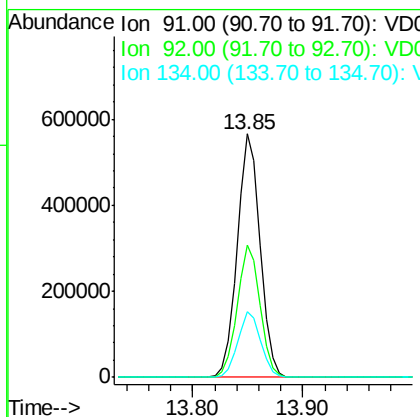
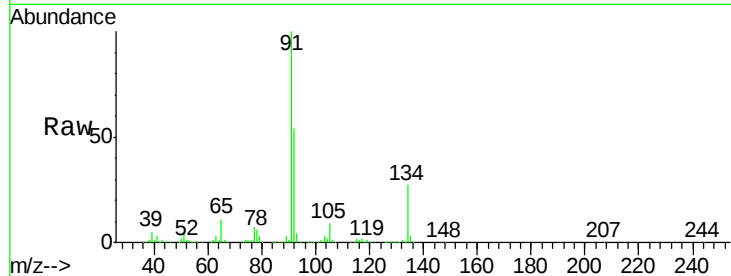




#89
n-Butylbenzene
Concen: 49.763 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

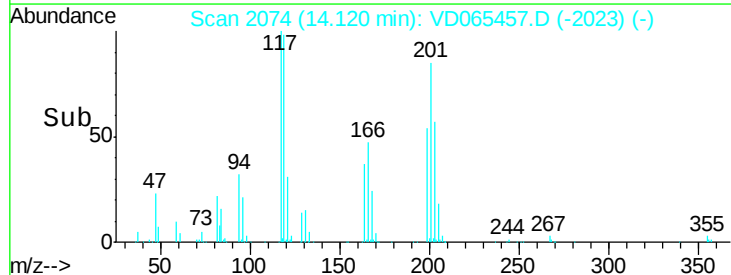
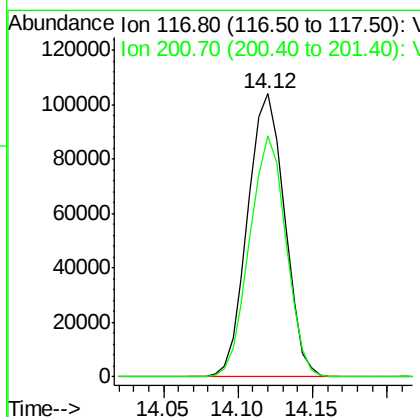
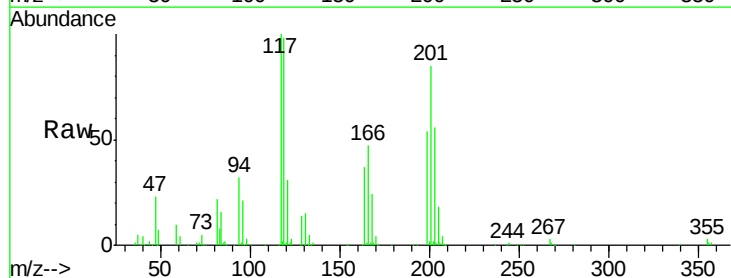
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 822896
Ion Ratio Lower Upper
91 100
92 54.1 26.8 80.4
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 48.639 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 117 Resp: 179162
Ion Ratio Lower Upper
117 100
201 83.7 41.9 125.6

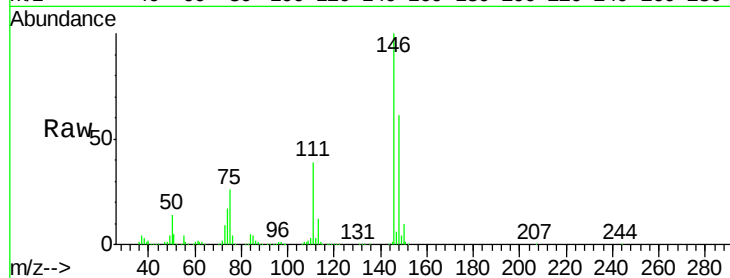




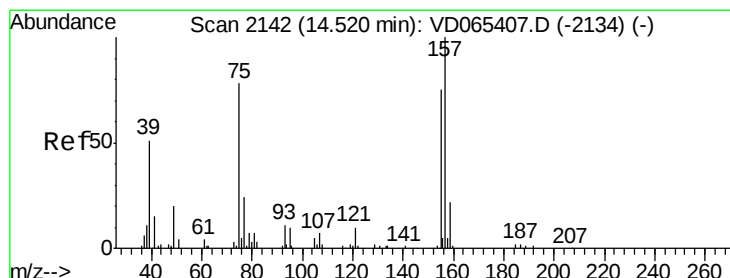
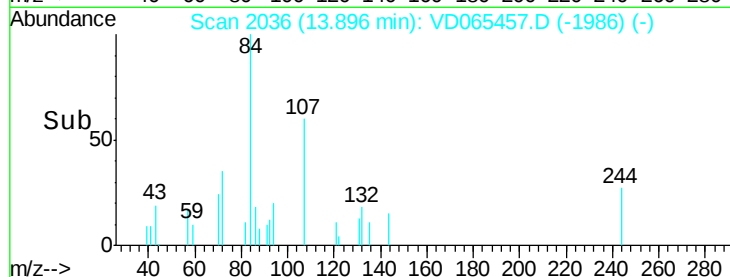
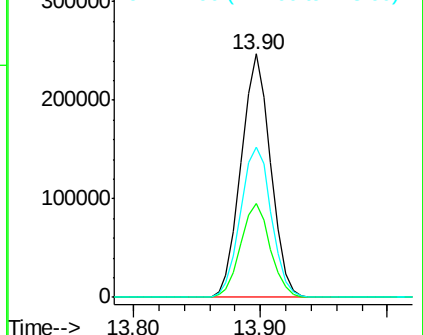
#91
 1,2-Dichlorobenzene
 Concen: 49.676 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	64.5	32.6	97.8

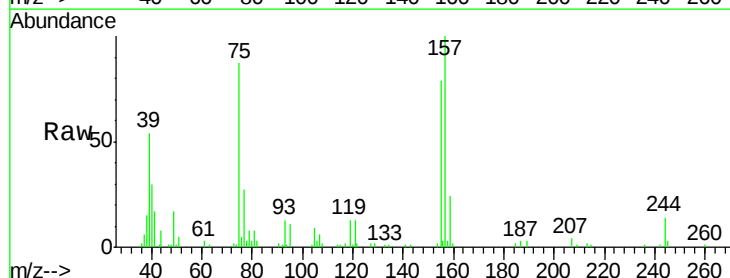


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

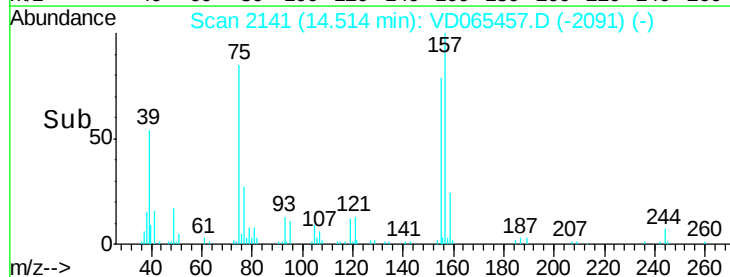
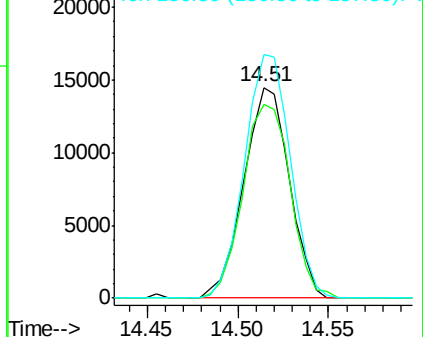


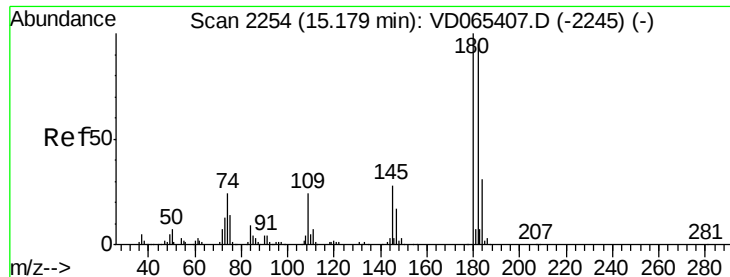
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.050 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	46.4	139.1
157	116.0	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

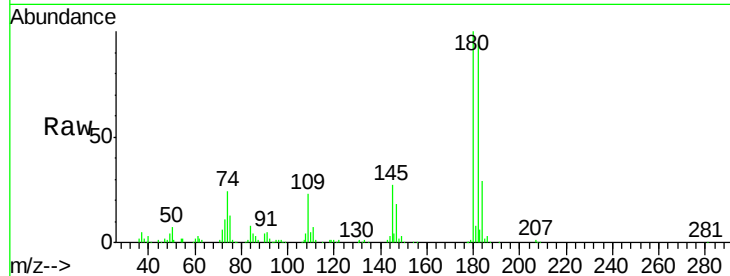




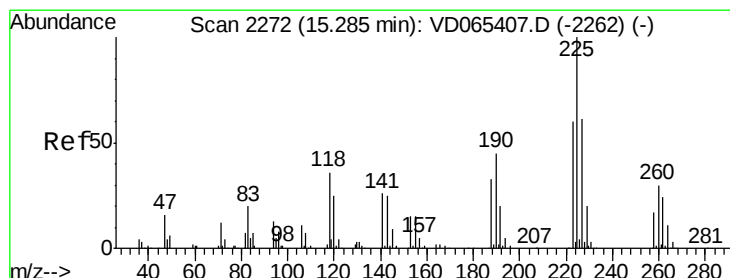
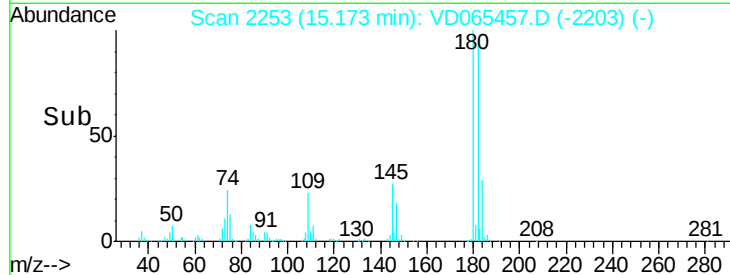
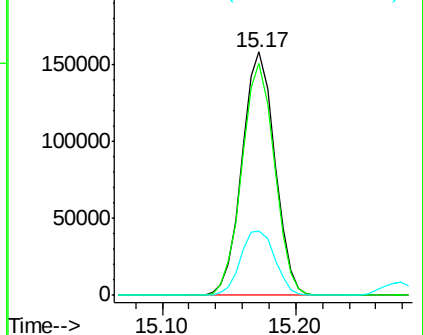
#93
 1,2,4-Trichlorobenzene
 Concen: 49.283 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 268082
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.3 144.9
 145 27.9 14.4 43.4

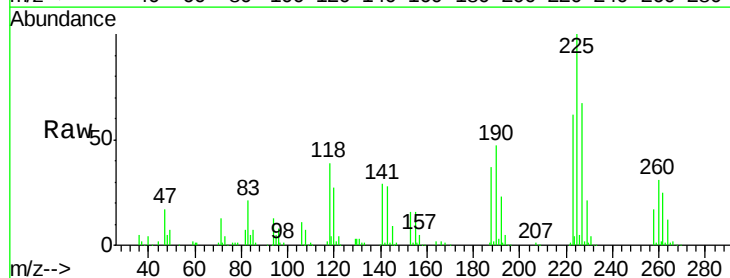


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

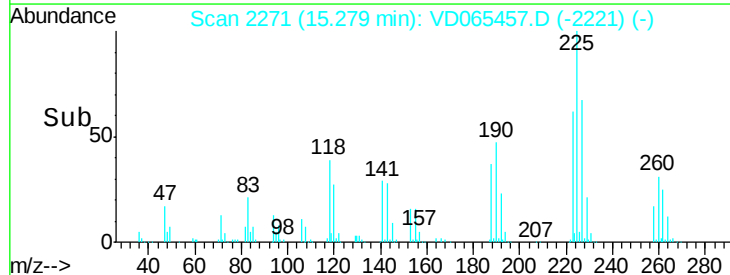
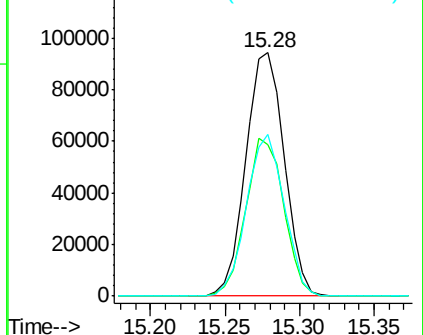


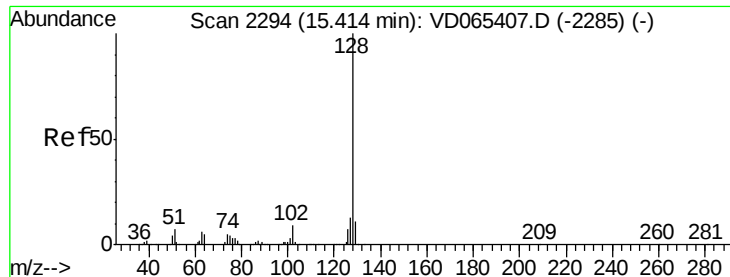
#94
 Hexachlorobutadiene
 Concen: 46.990 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion:225 Resp: 167952
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.9 92.5
 227 64.9 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

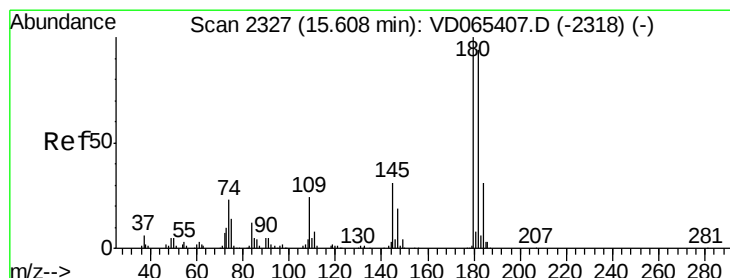
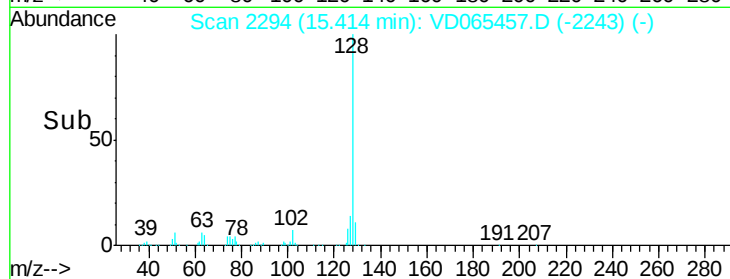
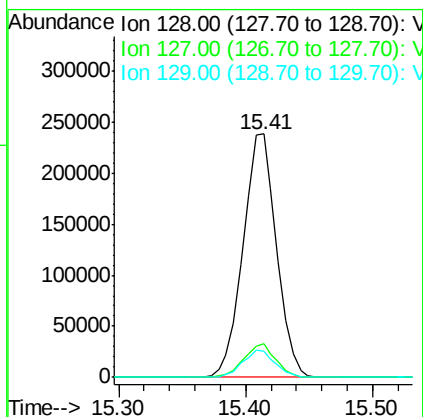
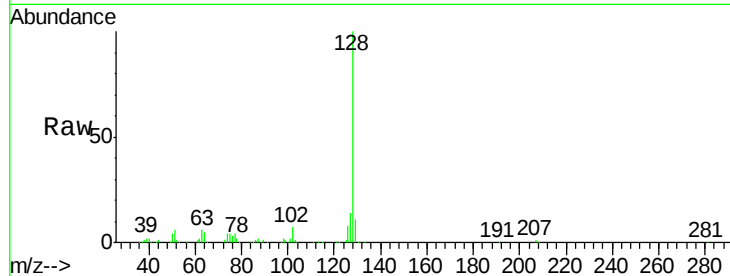




#95
Naphthalene
Concen: 45.505 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 436963
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.020 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion:180 Resp: 230423
Ion Ratio Lower Upper
180 100
182 98.1 46.9 140.6
145 30.9 15.0 45.1

