

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065500.D
 Acq On : 13 Mar 2020 12:09
 Operator : VA/SY
 Sample : VD0313SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 16 01:42:41 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	451009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	652515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196936	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.92	113	211831	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.34	98	802739	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.64	95	259245	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82314	21.236	ug/l	97
3) Chloromethane	2.21	50	94656	20.227	ug/l	98
4) Vinyl Chloride	2.35	62	96147	20.830	ug/l	100
5) Bromomethane	2.77	94	61619	21.054	ug/l	98
6) Chloroethane	2.92	64	59743	21.133	ug/l	99
7) Trichlorofluoromethane	3.27	101	143237	21.060	ug/l	100
8) Diethyl Ether	3.71	74	43099	21.309	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95340	21.765	ug/l	99
10) Methyl Iodide	4.29	142	88560	19.460	ug/l	99
11) Tert butyl alcohol	5.25	59	20511	92.429	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	85364	20.352	ug/l	91
13) Acrolein	3.93	56	30455	79.577	ug/l	99
14) Allyl chloride	4.71	41	125309	19.448	ug/l	99
15) Acrylonitrile	5.43	53	90097	102.393	ug/l	99
16) Acetone	4.17	43	78471	100.293	ug/l	96
17) Carbon Disulfide	4.40	76	276801	19.816	ug/l	98
18) Methyl Acetate	4.73	43	42325	21.325	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	165549	20.524	ug/l	98
20) Methylene Chloride	4.96	84	104709	22.761	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	97055	20.801	ug/l	95
22) Diisopropyl ether	6.37	45	261295	21.815	ug/l	99
23) Vinyl Acetate	6.31	43	685589	103.085	ug/l	100
24) 1,1-Dichloroethane	6.27	63	163031	21.220	ug/l	98
25) 2-Butanone	7.23	43	106285	99.543	ug/l	97
26) 2,2-Dichloropropane	7.21	77	140873	20.982	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	97993	20.547	ug/l	97
28) Bromochloromethane	7.55	49	64343	20.933	ug/l	98
29) Tetrahydrofuran	7.57	42	67173	98.514	ug/l	97
30) Chloroform	7.71	83	168766	21.977	ug/l	99
31) Cyclohexane	7.98	56	151326	19.698	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	151575	21.359	ug/l	99
36) 1,1-Dichloropropene	8.11	75	131619	21.043	ug/l	99
37) Ethyl Acetate	7.30	43	52732	21.812	ug/l	99
38) Carbon Tetrachloride	8.10	117	139013	21.433	ug/l	93

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147124	19.475	ug/l	98
40) Benzene	8.36	78	378388	21.637	ug/l	100
41) Methacrylonitrile	7.54	41	31391	24.552	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	104475	22.878	ug/l	100
43) Isopropyl Acetate	8.46	43	91896	20.587	ug/l	98
44) Trichloroethene	9.11	130	106366	21.537	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96062	22.677	ug/l	99
46) Dibromomethane	9.48	93	47915	21.806	ug/l	95
47) Bromodichloromethane	9.67	83	127251	22.260	ug/l	94
48) Methyl methacrylate	9.46	41	41980	19.993	ug/l	94
49) 1,4-Dioxane	9.47	88	11401	453.604	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	246773	109.857	ug/l	98
52) Toluene	10.41	92	244765	22.217	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115819	21.680	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	141316	21.854	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	69423	22.307	ug/l	97
56) Ethyl methacrylate	10.67	69	74187	21.145	ug/l	97
57) 1,3-Dichloropropane	10.95	76	118849	22.570	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	107782	99.615	ug/l	99
59) 2-Hexanone	10.99	43	162193	104.305	ug/l	99
60) Dibromochloromethane	11.14	129	91070	22.829	ug/l	99
61) 1,2-Dibromoethane	11.26	107	65499	22.064	ug/l	98
64) Tetrachloroethene	10.88	164	92730	21.105	ug/l	97
65) Chlorobenzene	11.68	112	256983	21.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98154	22.210	ug/l	97
67) Ethyl Benzene	11.75	91	434745	20.735	ug/l	98
68) m/p-Xylenes	11.86	106	343363	42.473	ug/l	99
69) o-Xylene	12.19	106	148271	20.850	ug/l	99
70) Styrene	12.20	104	267031	21.336	ug/l	100
71) Bromoform	12.37	173	54350	21.895	ug/l #	99
73) Isopropylbenzene	12.48	105	403243	19.718	ug/l	99
74) N-amyl acetate	12.30	43	82653	19.741	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73709	20.504	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	94512	38.522	ug/l #	100
77) Bromobenzene	12.77	156	106375	20.936	ug/l	100
78) n-propylbenzene	12.83	91	499356	20.579	ug/l	100
79) 2-Chlorotoluene	12.91	91	278202	20.343	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	345884	20.572	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22599	19.438	ug/l	96
82) 4-Chlorotoluene	13.01	91	302563	21.054	ug/l	99
83) tert-Butylbenzene	13.23	119	274165	19.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	346273	20.894	ug/l	100
85) sec-Butylbenzene	13.41	105	406892	20.041	ug/l	99
86) p-Isopropyltoluene	13.53	119	377624	20.383	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202787	20.759	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	204466	21.042	ug/l	99
89) n-Butylbenzene	13.86	91	336366	19.638	ug/l	99
90) Hexachloroethane	14.12	117	77847	20.404	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	179250	21.563	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11008	20.107	ug/l	96

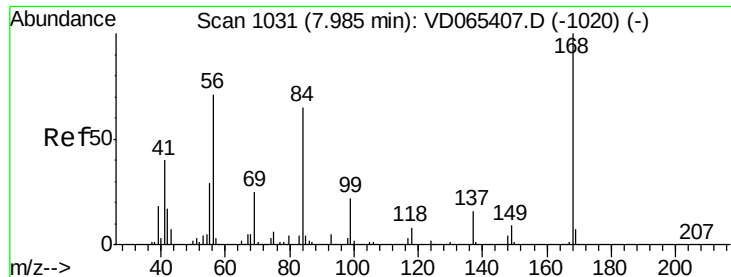
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113422	20.131	ug/l	98
94) Hexachlorobutadiene	15.28	225	77130	20.834	ug/l	99
95) Naphthalene	15.41	128	167853	19.649	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99020	20.338	ug/l	99

(#) = 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: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

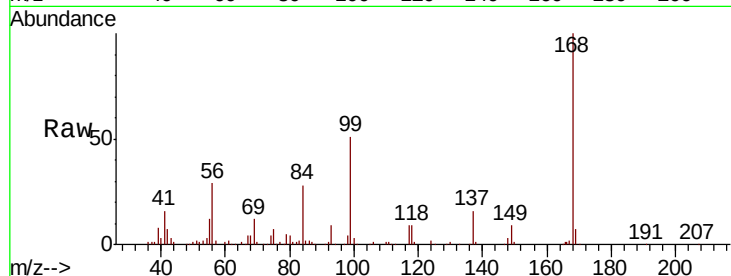
ClientSampleId :

Tot Ion:168 Resp: 451009

Ion Ratio Lower Upper

168 100

99 50.4 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

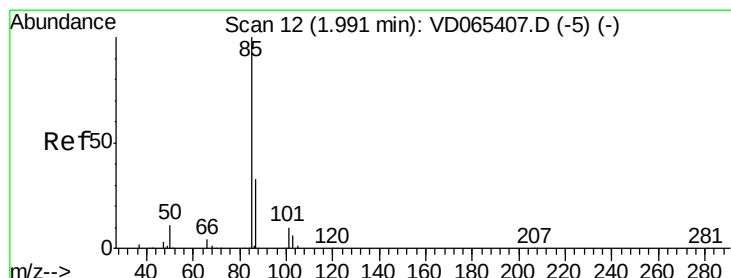
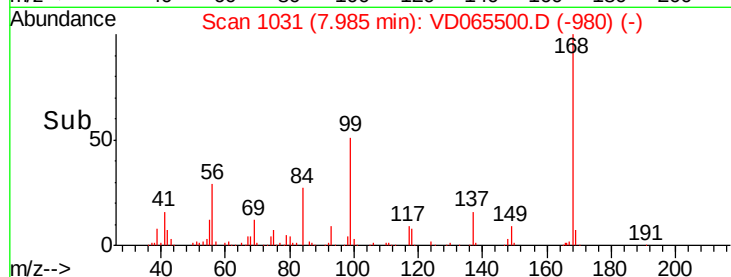
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.236 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065500.D

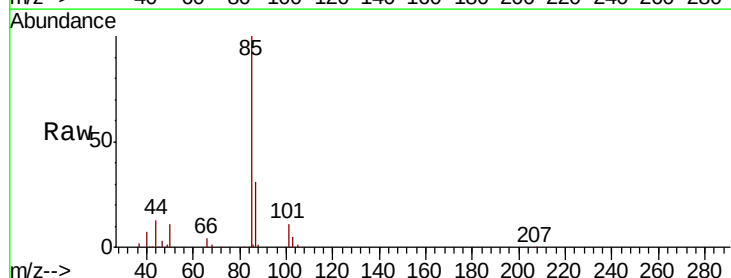
Acq: 13 Mar 2020 12:09

Tgt Ion: 85 Resp: 82314

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

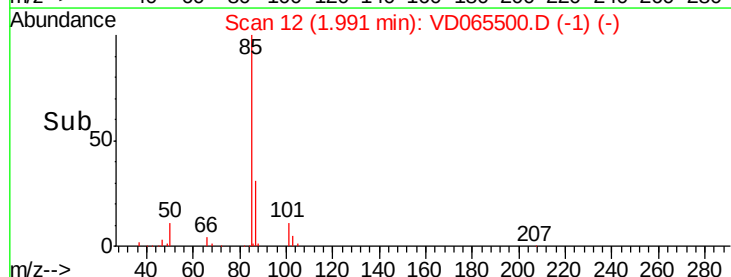
40000

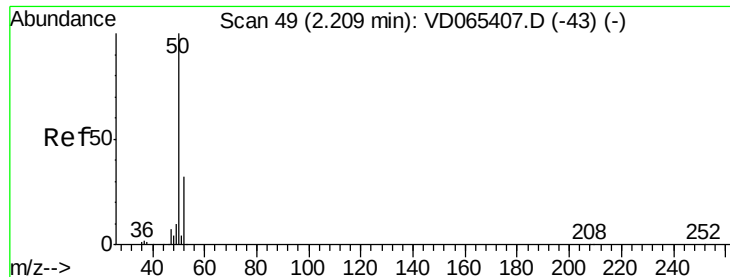
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.227 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

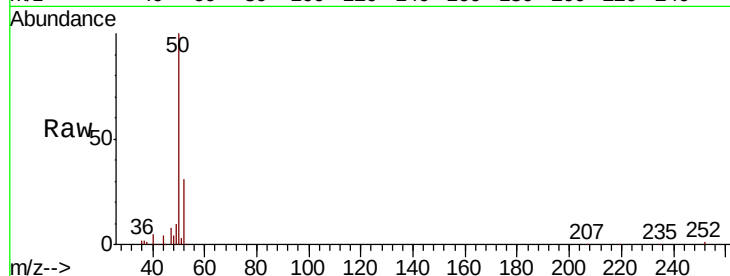
ClientSampled :

Tot Ion: 50 Resp: 94656

Ion Ratio Lower Upper

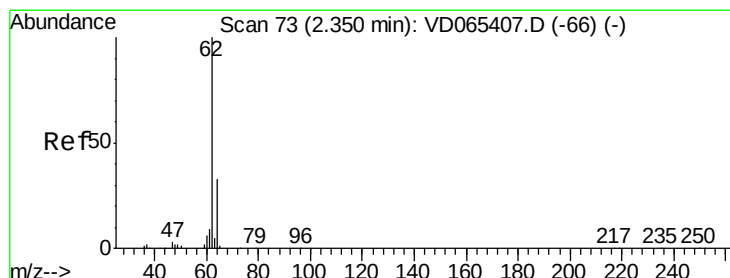
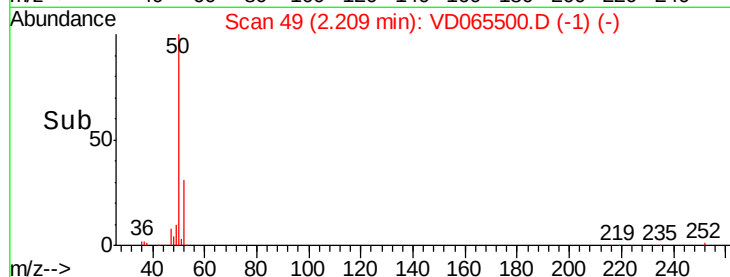
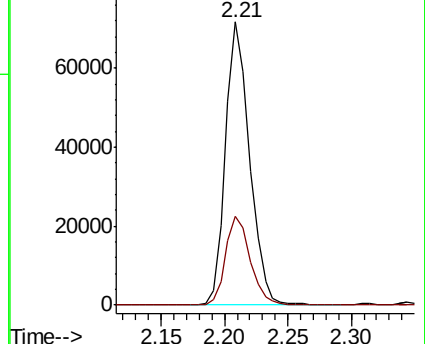
50 100

52 31.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.830 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065500.D

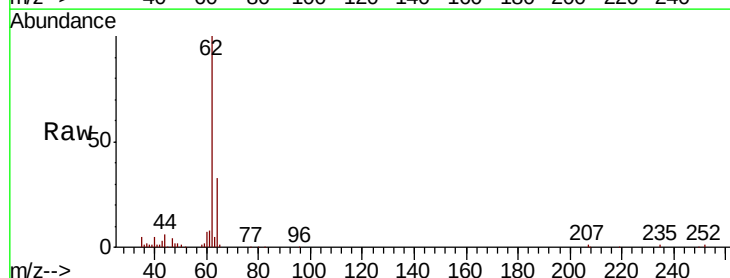
Acq: 13 Mar 2020 12:09

Tgt Ion: 62 Resp: 96147

Ion Ratio Lower Upper

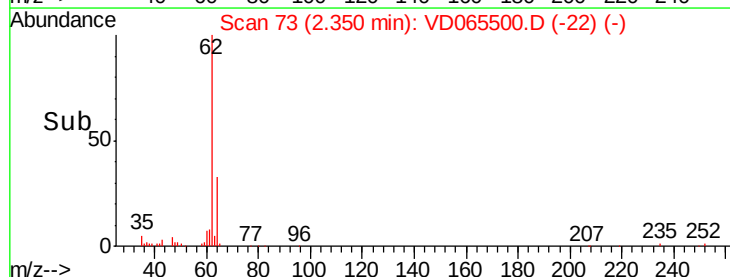
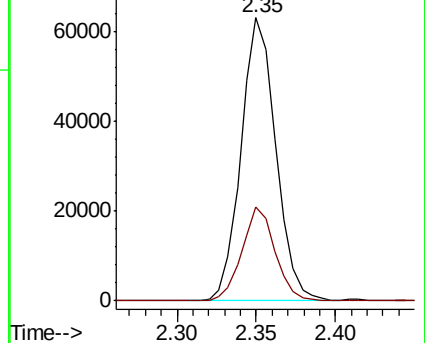
62 100

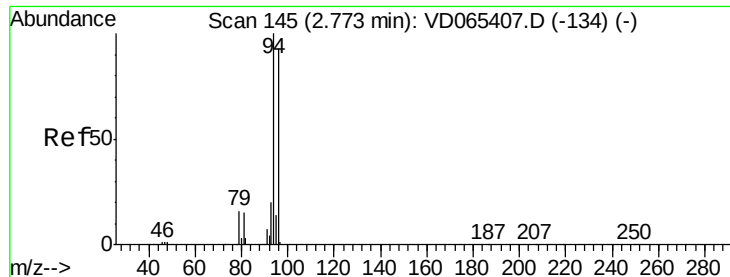
64 33.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.054 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

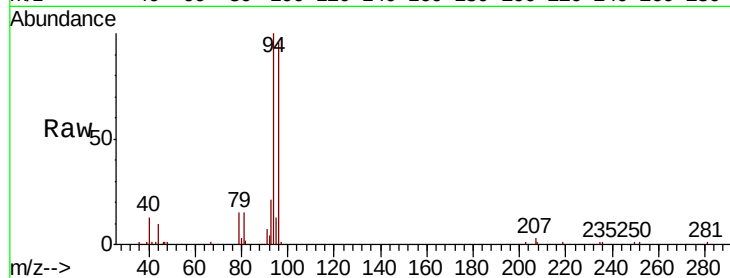
ClientSampled :

Tot Ion: 94 Resp: 61619

Ion Ratio Lower Upper

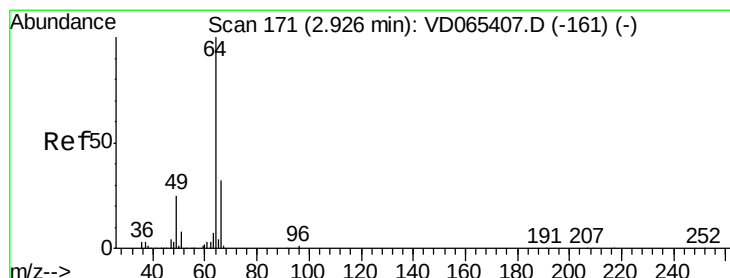
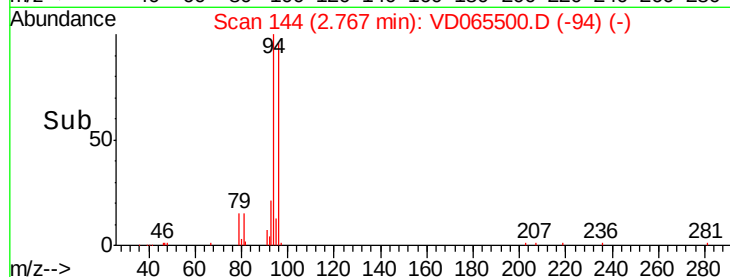
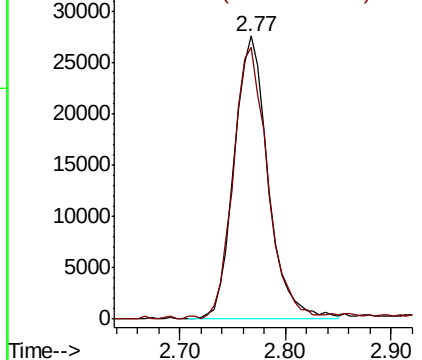
94 100

96 94.9 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.133 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065500.D

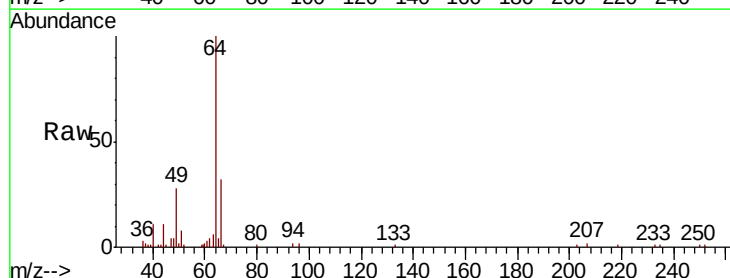
Acq: 13 Mar 2020 12:09

Tgt Ion: 64 Resp: 59743

Ion Ratio Lower Upper

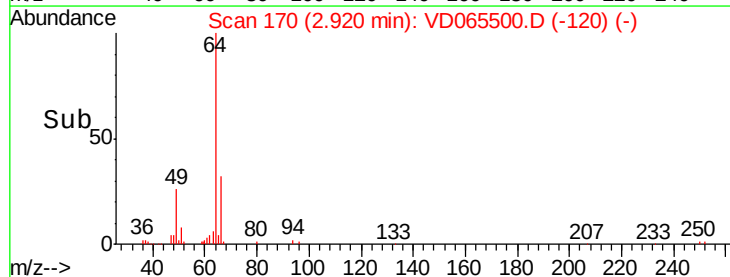
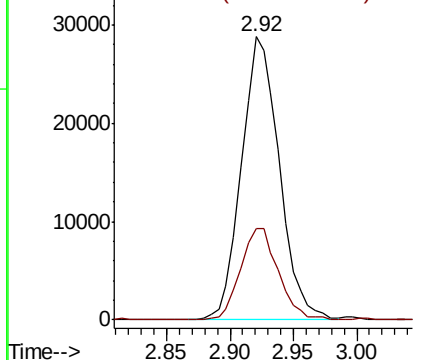
64 100

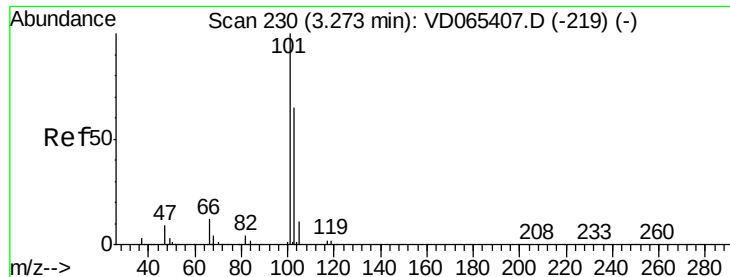
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



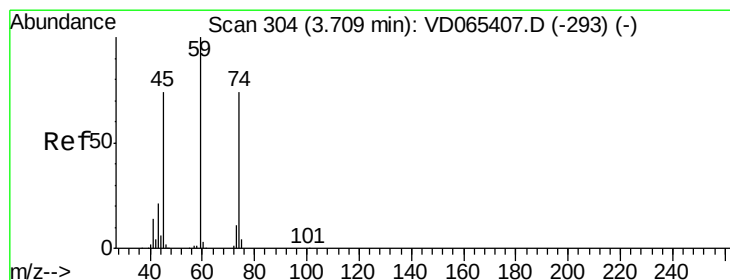
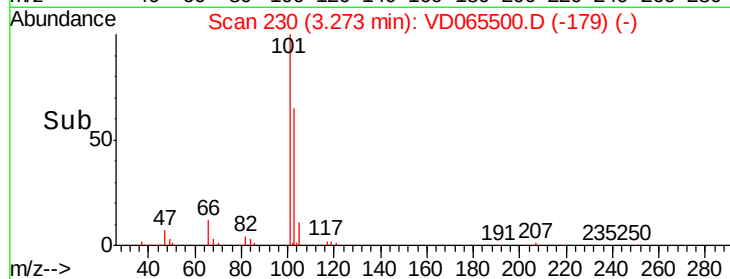
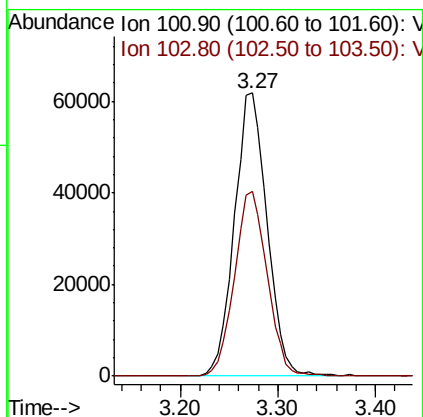
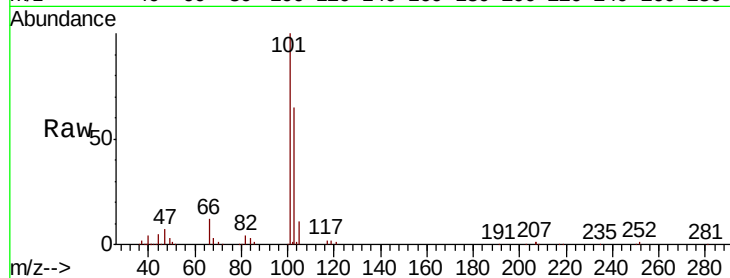


#7

Trichlorofluoromethane
 Concen: 21.060 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :

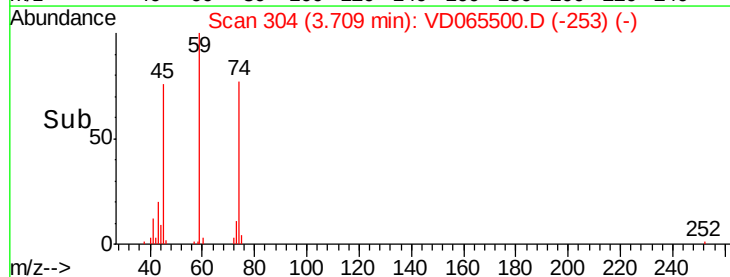
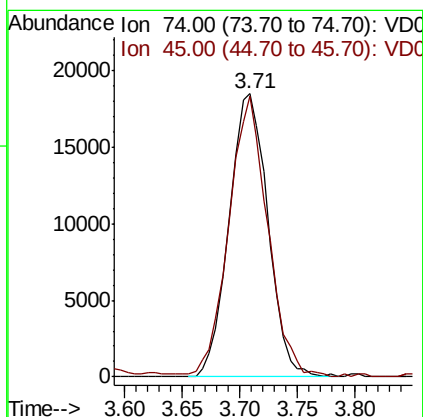
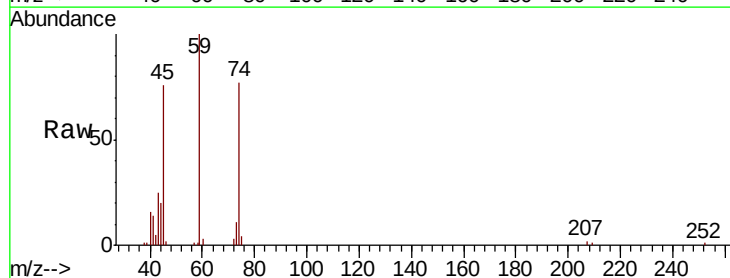
Tot Ion:101 Resp: 143237
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.1 78.1

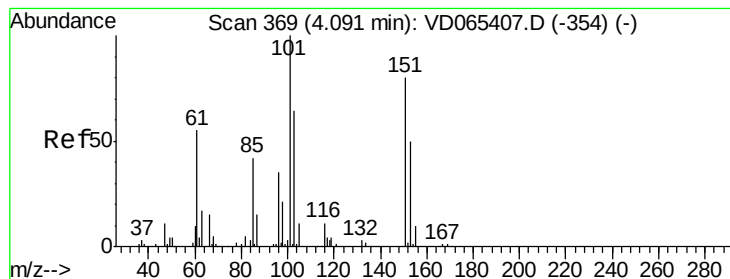


#8

Diethyl Ether
 Concen: 21.309 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion: 74 Resp: 43099
 Ion Ratio Lower Upper
 74 100
 45 100.1 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.765 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

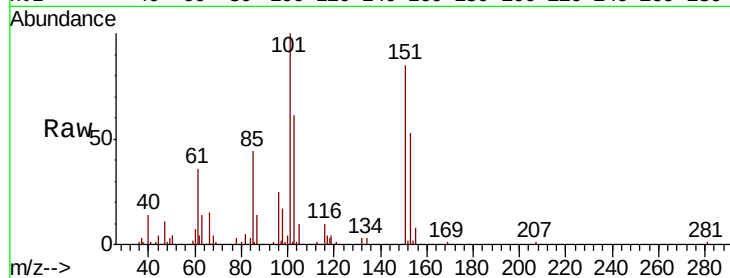
Tot Ion:101 Resp: 95340

Ion Ratio Lower Upper

101 100

85 41.2 34.2 51.2

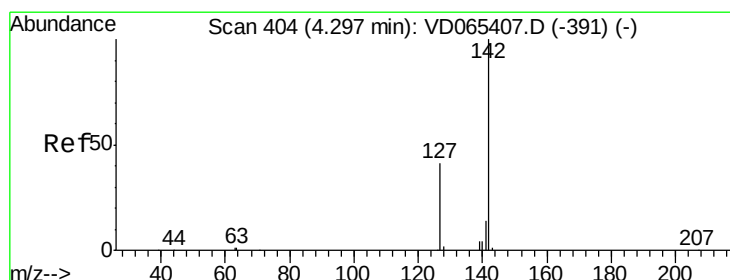
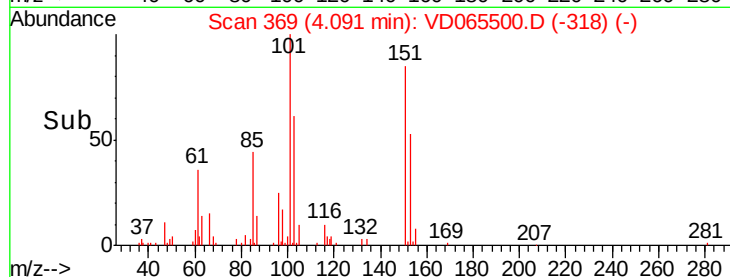
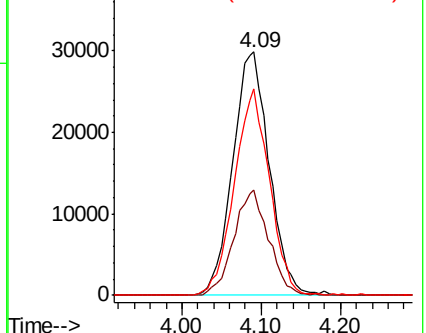
151 81.7 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.460 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

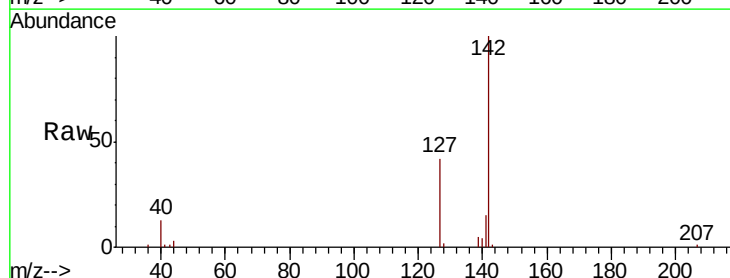
Tgt Ion:142 Resp: 88560

Ion Ratio Lower Upper

142 100

127 44.8 35.0 52.6

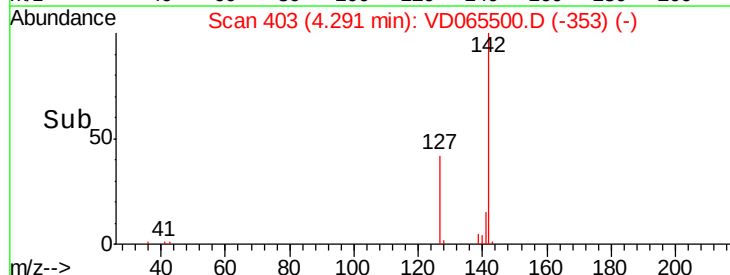
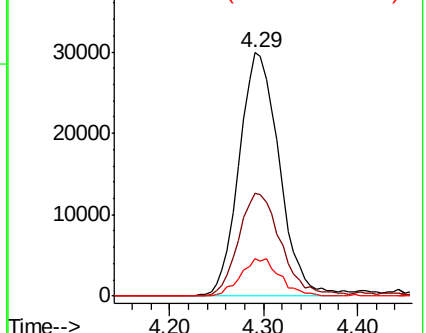
141 15.0 12.4 18.6

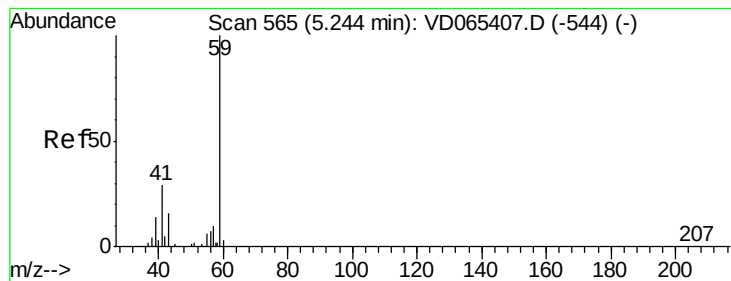


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.429 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

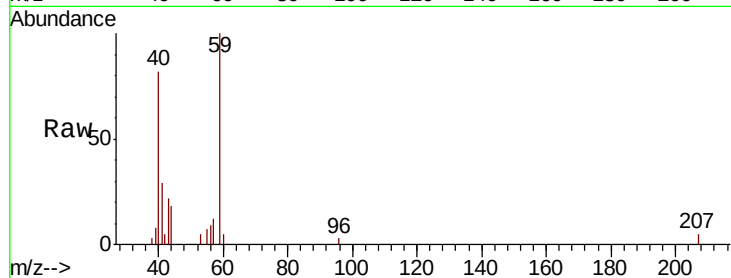
ClientSampleId :

Tot Ion: 59 Resp: 20511

Ion Ratio Lower Upper

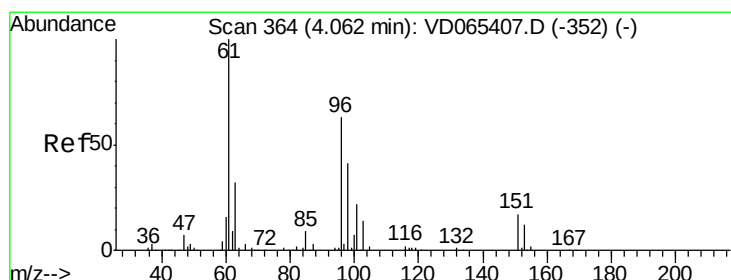
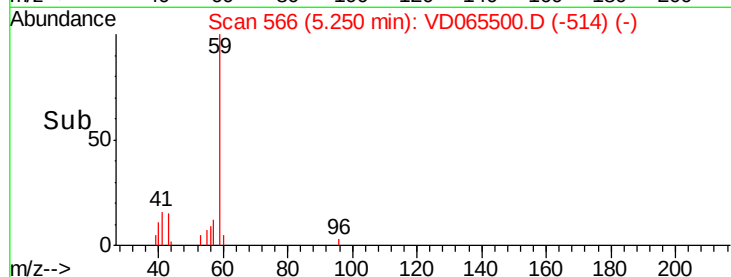
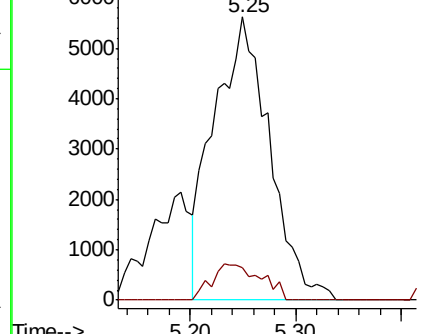
59 100

57 11.4 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.352 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

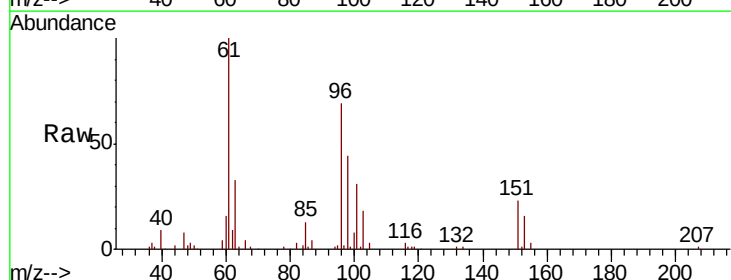
Tgt Ion: 96 Resp: 85364

Ion Ratio Lower Upper

96 100

61 144.2 128.0 192.0

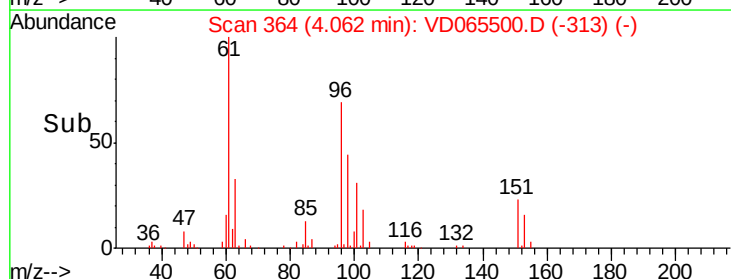
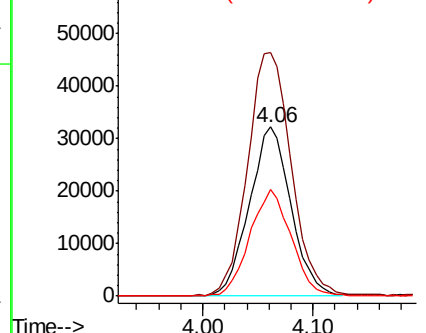
98 63.5 51.9 77.9

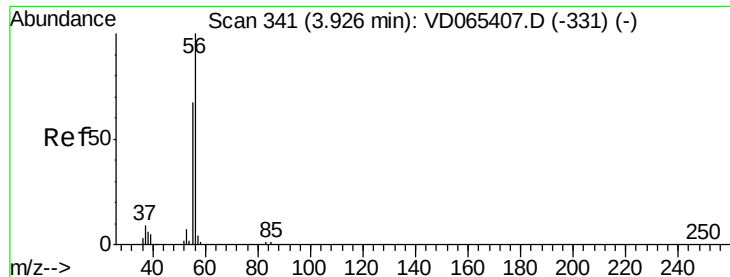


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 79.577 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

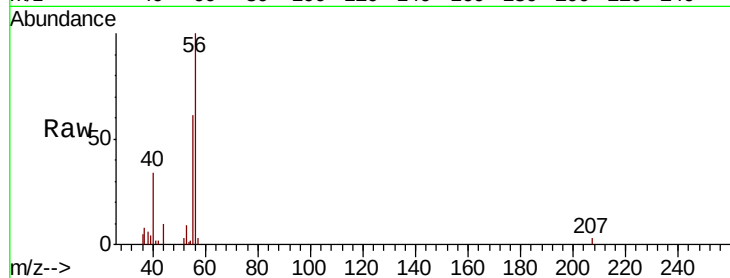
ClientSampled :

Tot Ion: 56 Resp: 30455

Ion Ratio Lower Upper

56 100

55 69.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

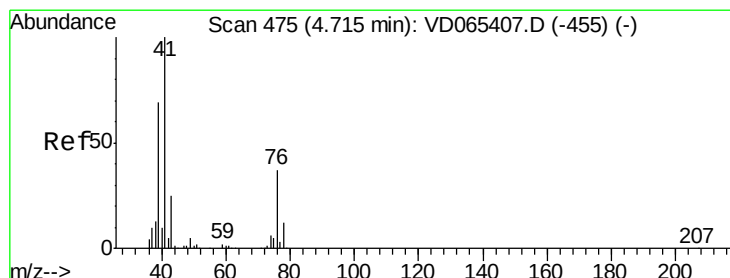
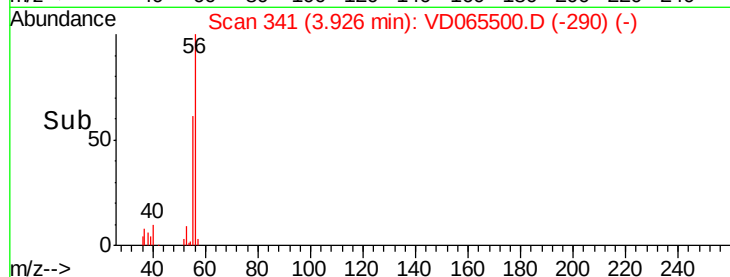
3.93

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.448 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

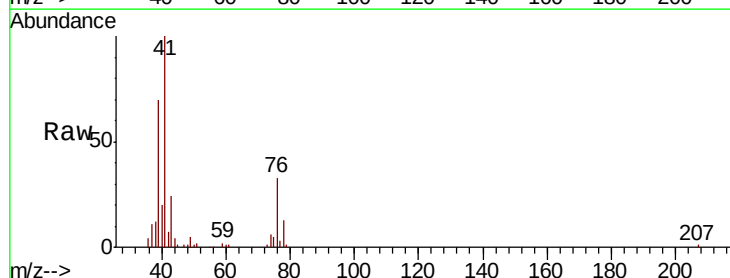
Tgt Ion: 41 Resp: 125309

Ion Ratio Lower Upper

41 100

39 67.0 52.6 79.0

76 36.8 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

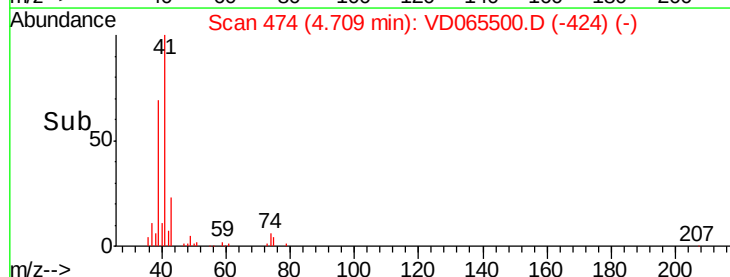
30000

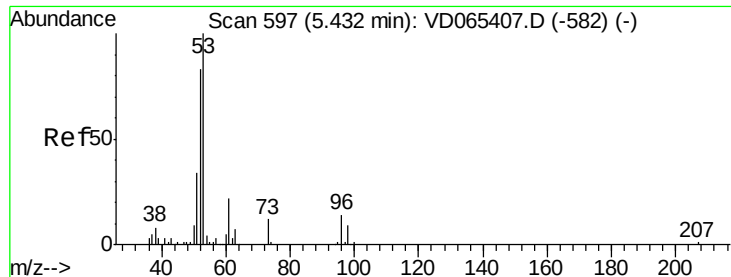
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 102.393 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

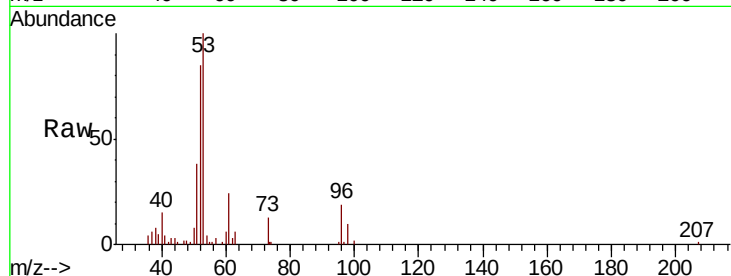
Tot Ion: 53 Resp: 90097

Ion Ratio Lower Upper

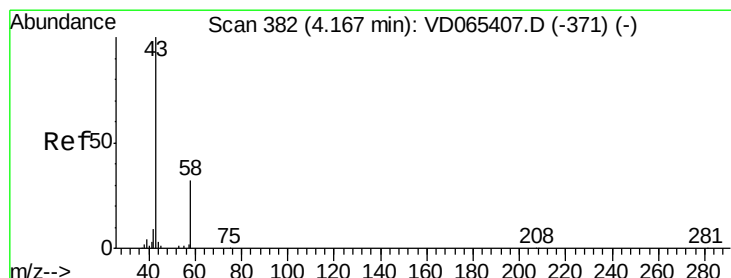
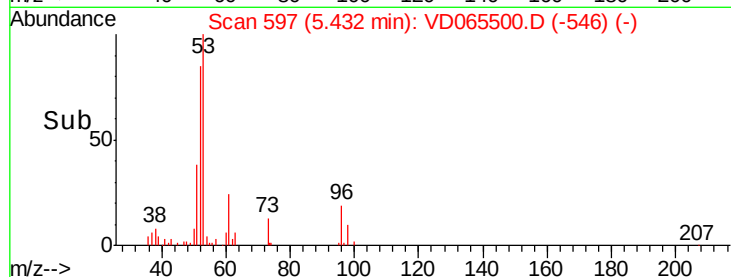
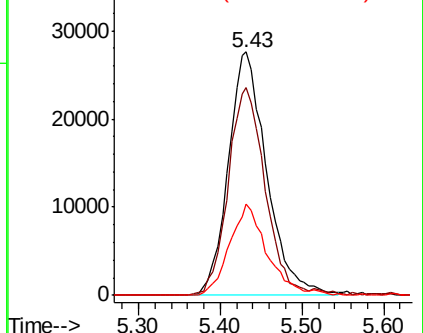
53 100

52 82.9 65.1 97.7

51 36.1 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: 100.293 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065500.D

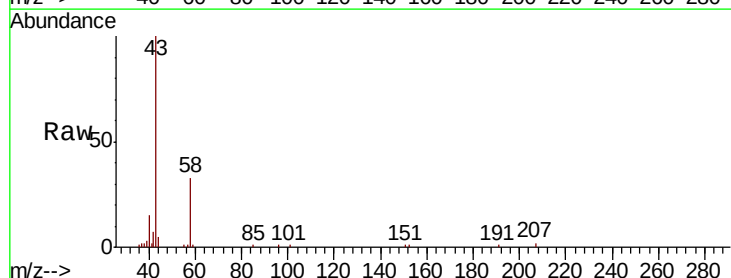
Acq: 13 Mar 2020 12:09

Tgt Ion: 43 Resp: 78471

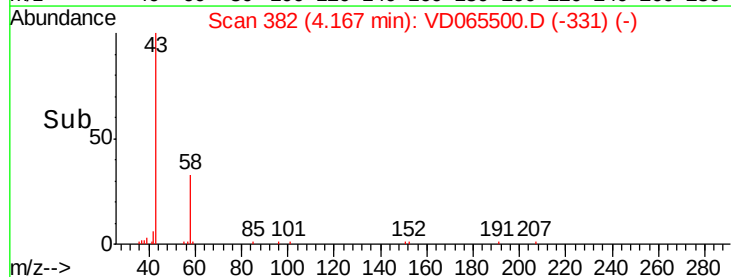
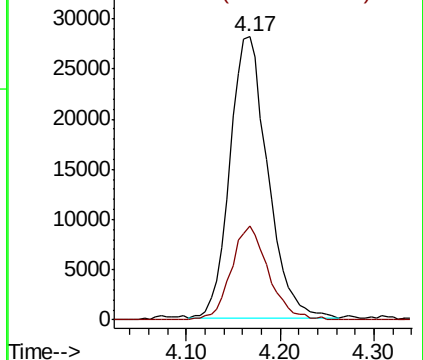
Ion Ratio Lower Upper

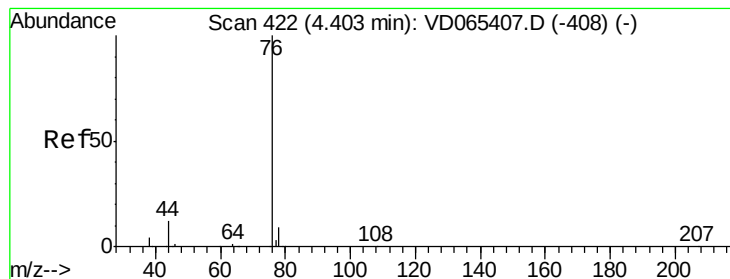
43 100

58 33.3 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: 19.816 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

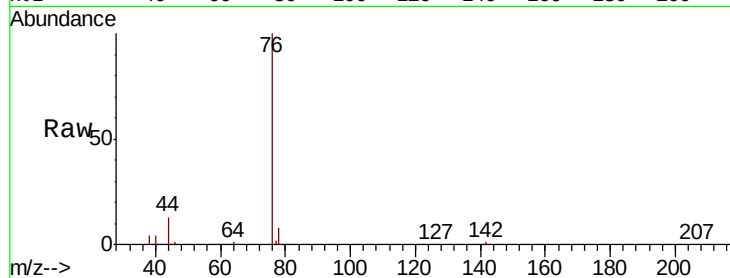
ClientSampled :

Tot Ion: 76 Resp: 276801

Ion Ratio Lower Upper

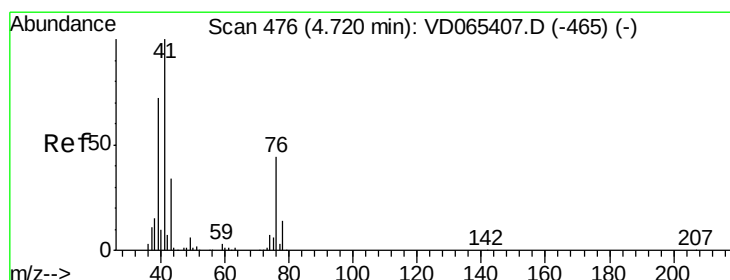
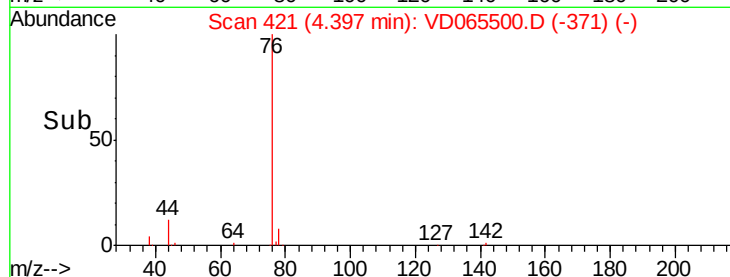
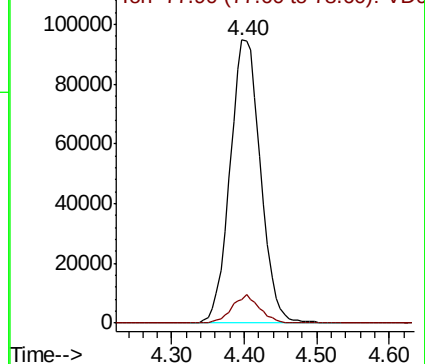
76 100

78 8.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.325 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065500.D

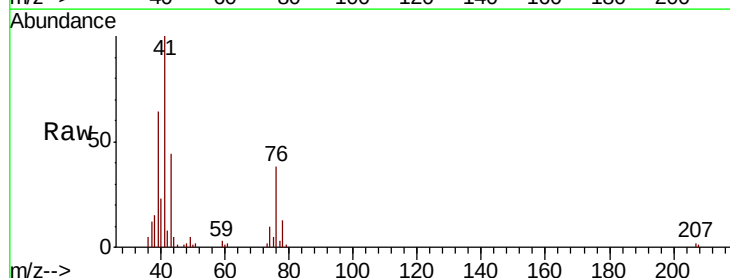
Acq: 13 Mar 2020 12:09

Tgt Ion: 43 Resp: 42325

Ion Ratio Lower Upper

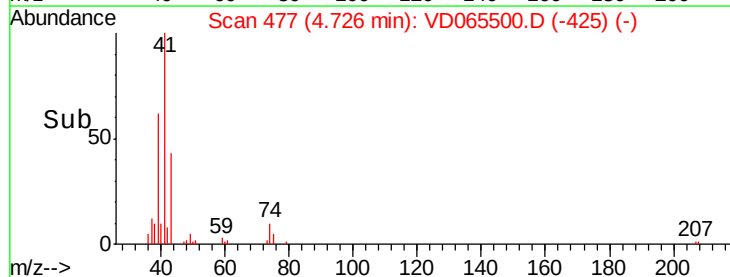
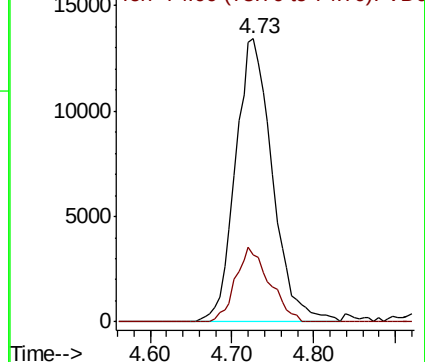
43 100

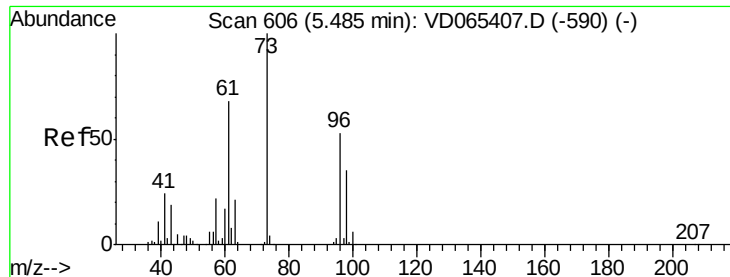
74 24.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



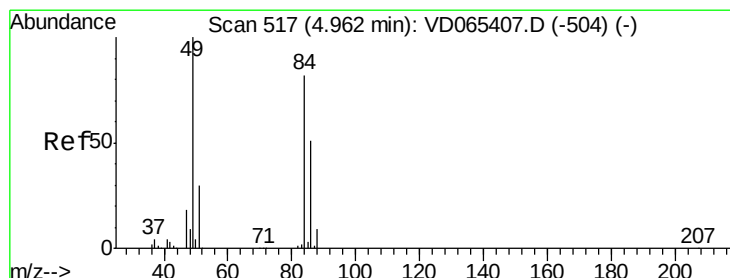
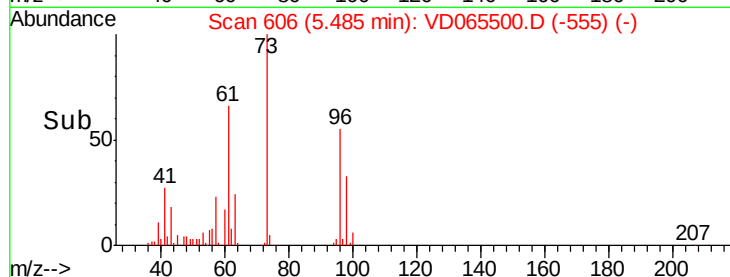
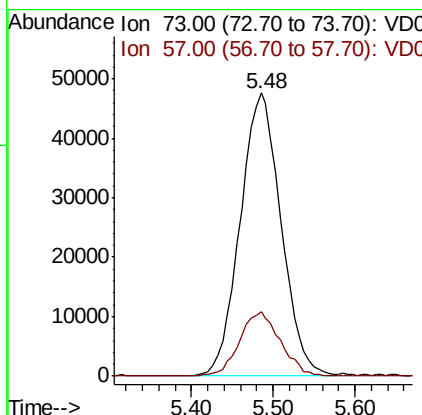
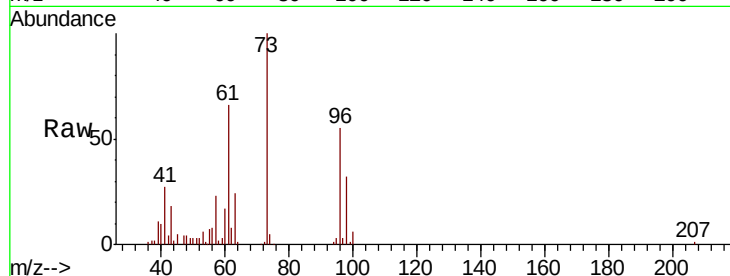


#19

Methyl tert-butyl Ether
 Concen: 20.524 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :

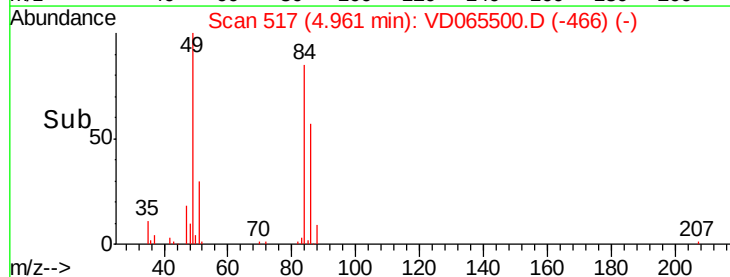
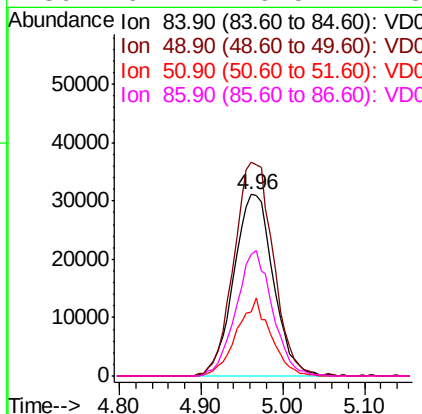
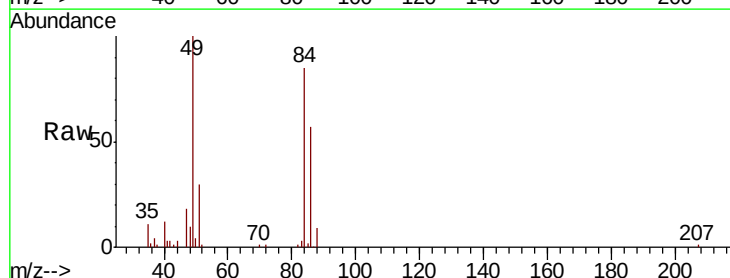
Tot Ion: 73 Resp: 165549
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.3 25.9

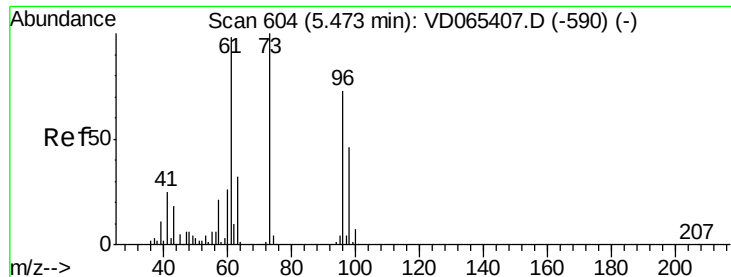


#20

Methylene Chloride
 Concen: 22.761 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion: 84 Resp: 104709
 Ion Ratio Lower Upper
 84 100
 49 117.7 97.7 146.5
 51 35.0 28.8 43.2
 86 67.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.801 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampled :

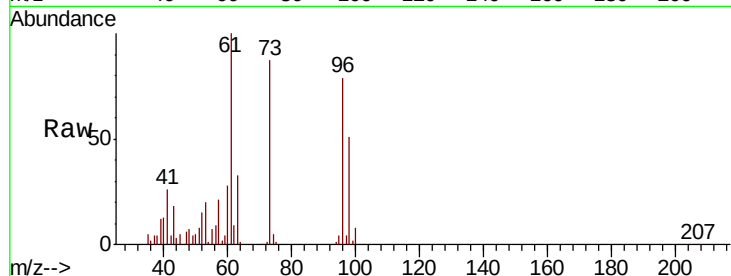
Tot Ion: 96 Resp: 97055

Ion Ratio Lower Upper

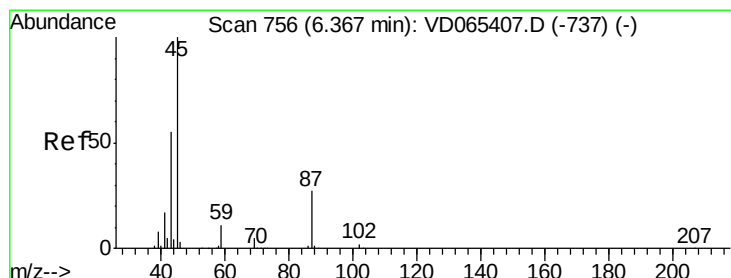
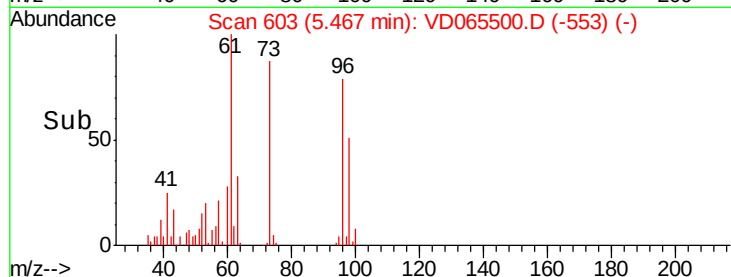
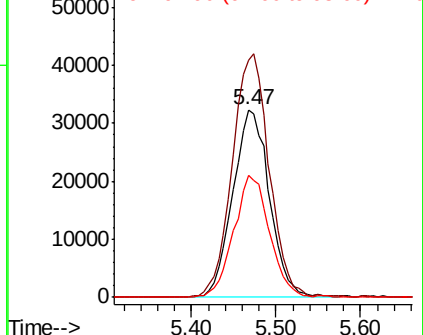
96 100

61 126.4 106.3 159.5

98 64.8 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: 21.815 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion: 45 Resp: 261295

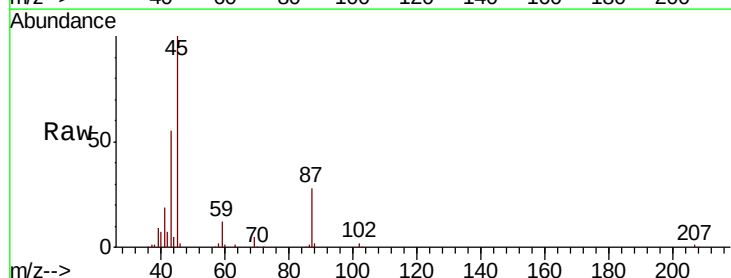
Ion Ratio Lower Upper

45 100

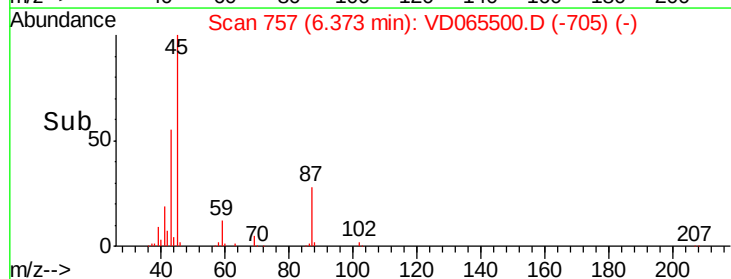
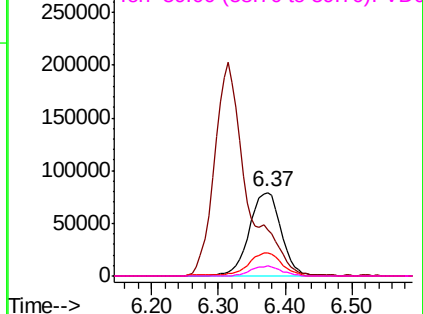
43 54.4 44.4 66.6

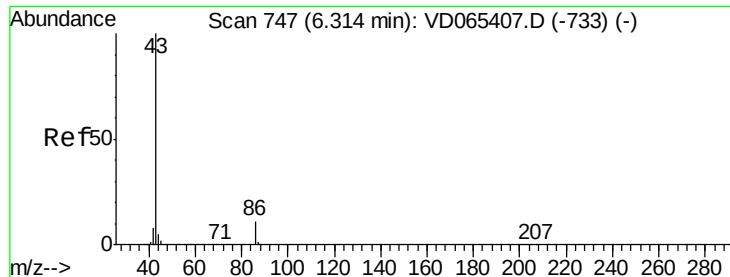
87 28.2 21.9 32.9

59 11.8 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: 103.085 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

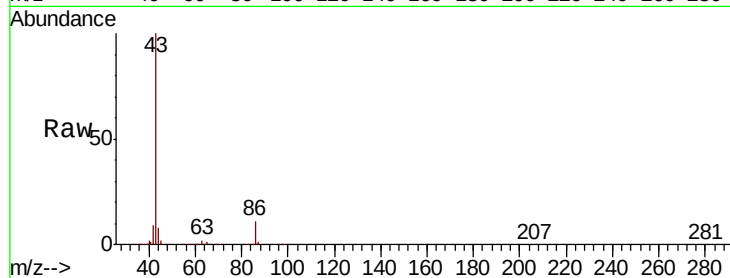
ClientSampleId :

Tot Ion: 43 Resp: 685589

Ion Ratio Lower Upper

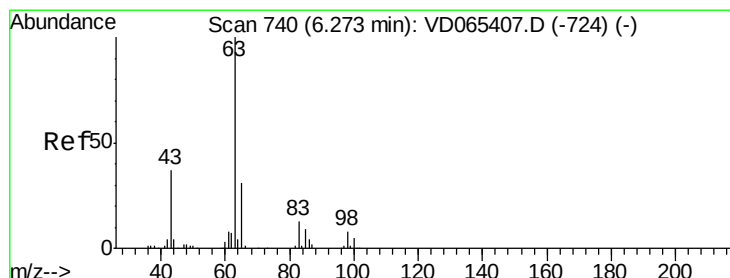
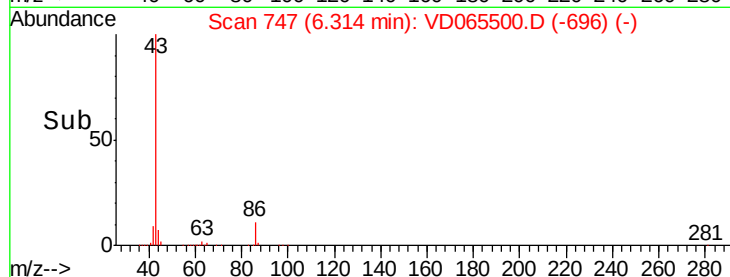
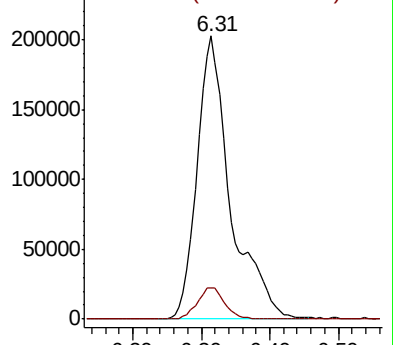
43 100

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



#24

1,1-Dichloroethane

Concen: 21.220 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

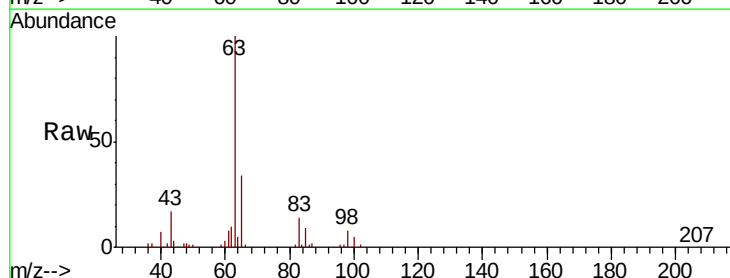
Tgt Ion: 63 Resp: 163031

Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

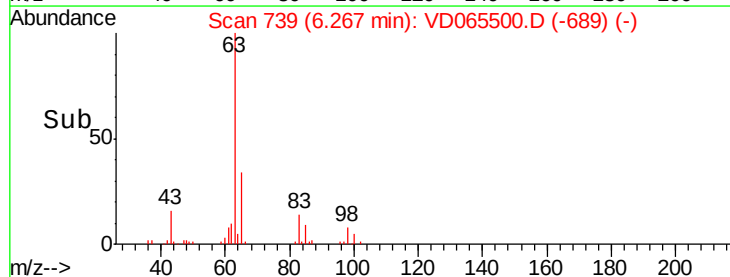
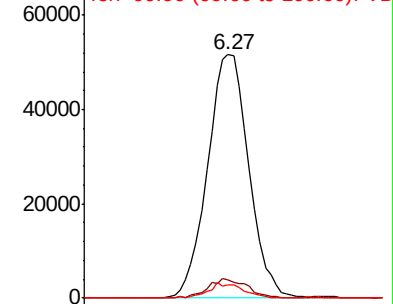
100 5.3 2.4 7.2

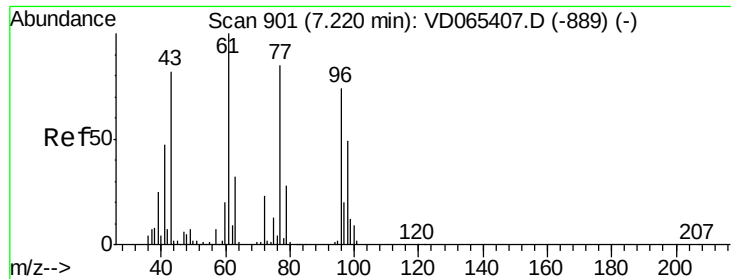


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.543 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

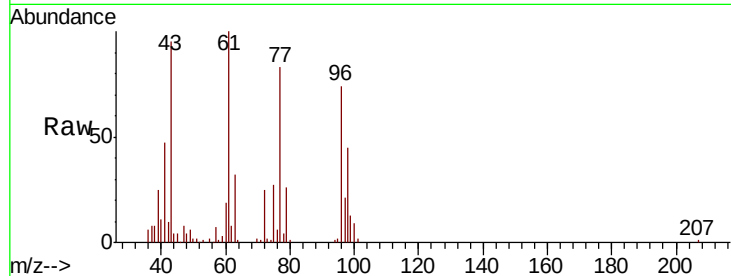
ClientSampleId :

Tot Ion: 43 Resp: 106285

Ion Ratio Lower Upper

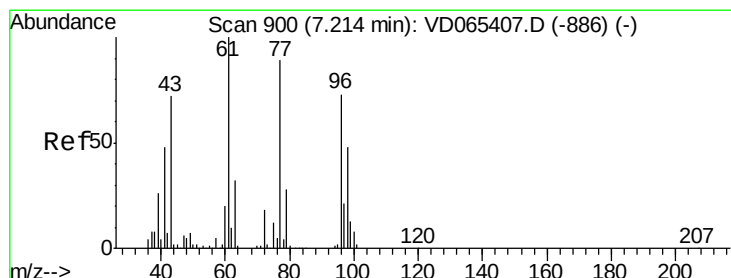
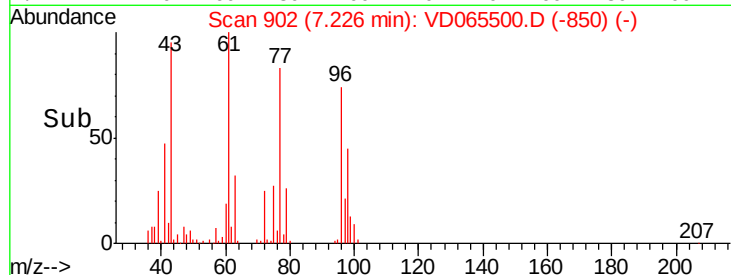
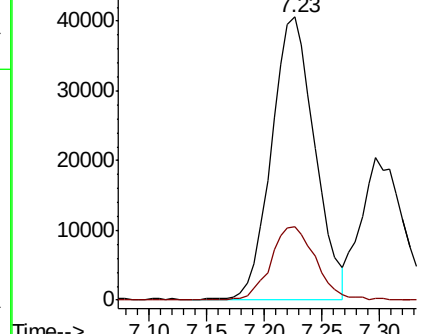
43 100

72 26.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.982 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065500.D

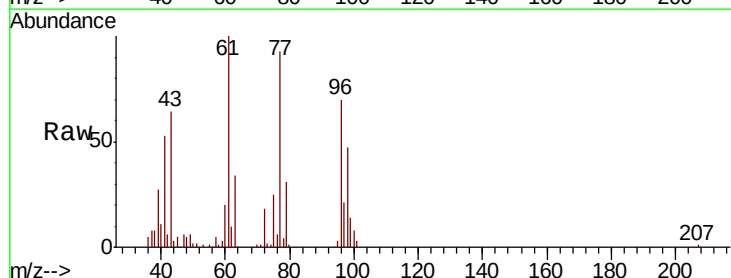
Acq: 13 Mar 2020 12:09

Tgt Ion: 77 Resp: 140873

Ion Ratio Lower Upper

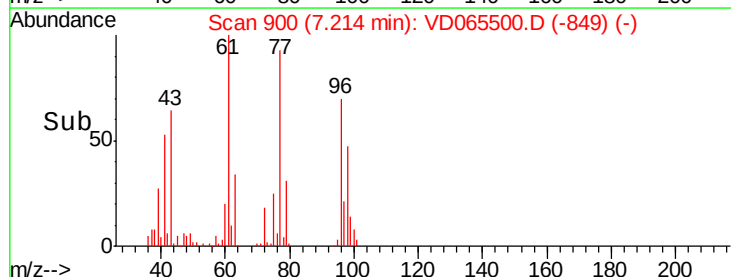
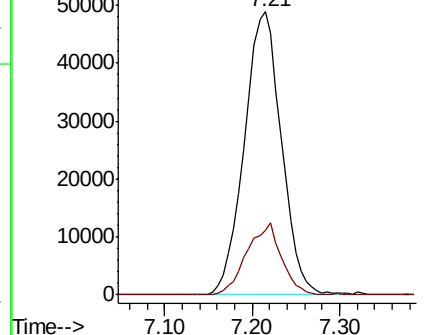
77 100

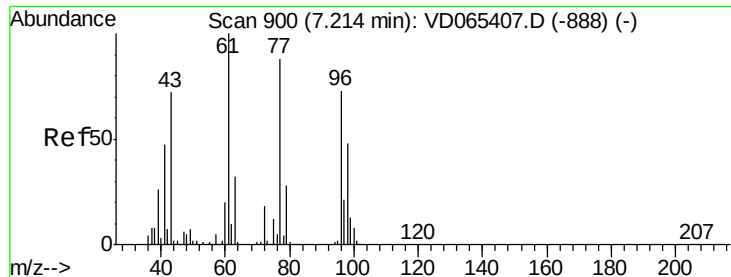
97 23.7 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



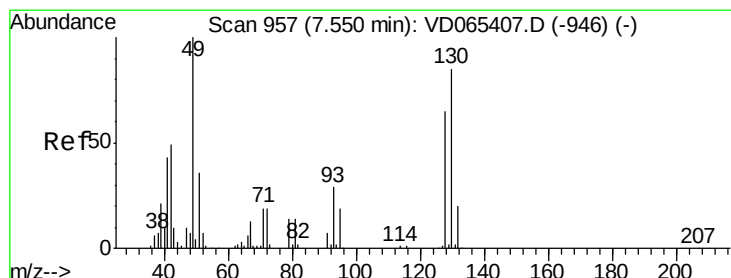
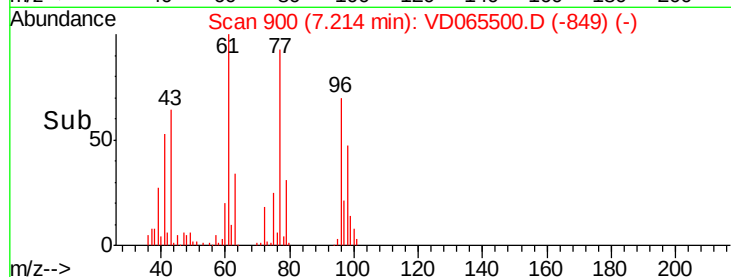
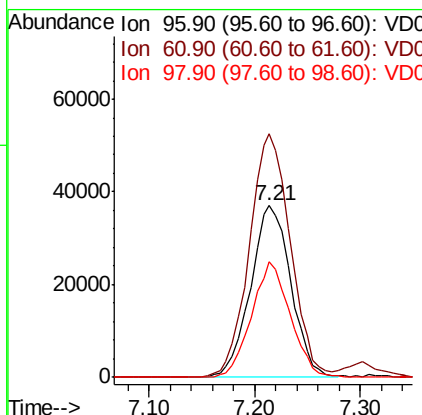
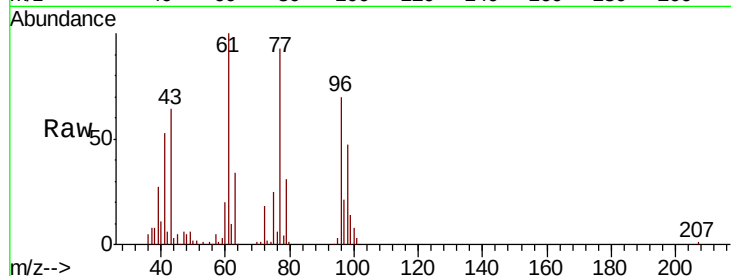


#27

cis-1,2-Dichloroethene
 Concen: 20.547 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampled :

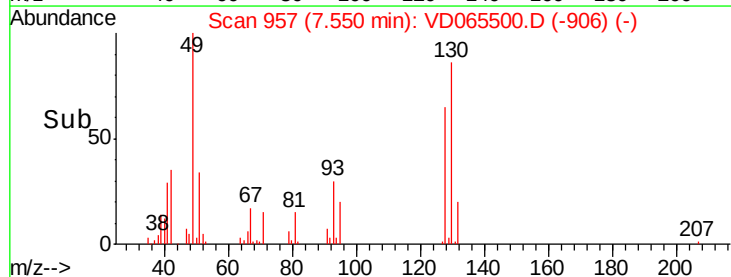
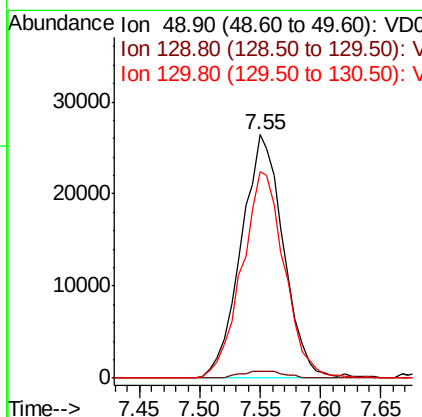
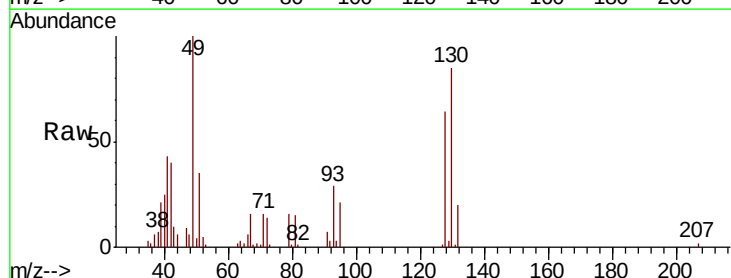
Tot Ion: 96 Resp: 97993
 Ion Ratio Lower Upper
 96 100
 61 144.1 0.0 280.4
 98 64.9 0.0 132.6

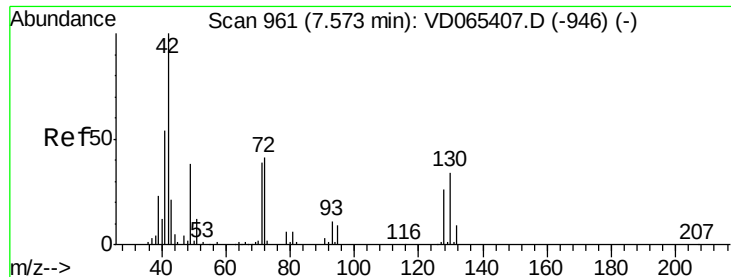


#28

Bromochloromethane
 Concen: 20.933 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion: 49 Resp: 64343
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 4.6
 130 85.6 66.6 100.0

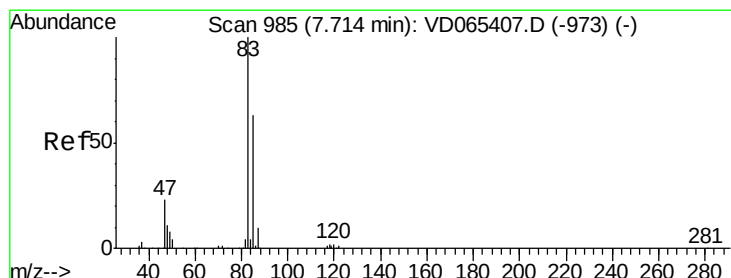
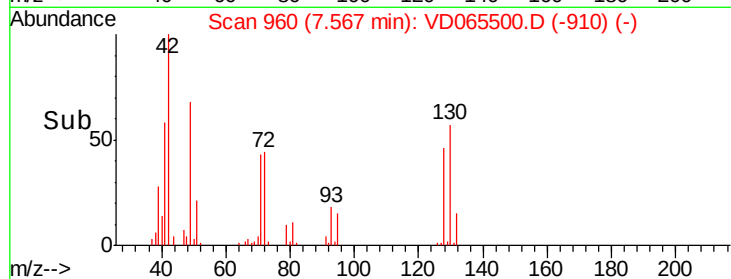
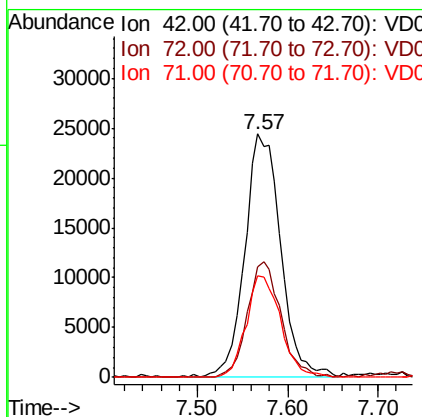
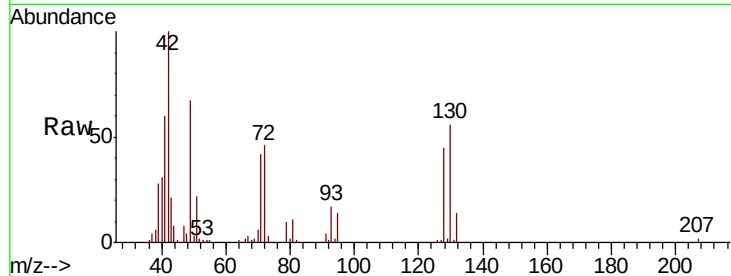




#29
Tetrahydrofuran
Concen: 98.514 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

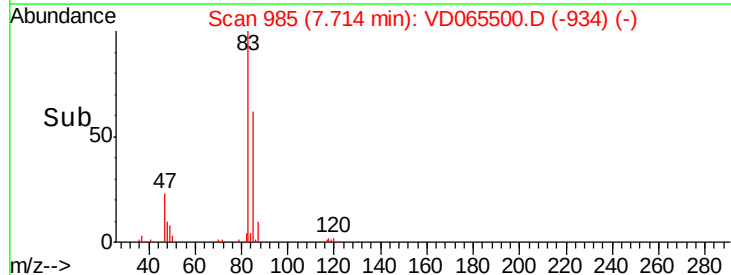
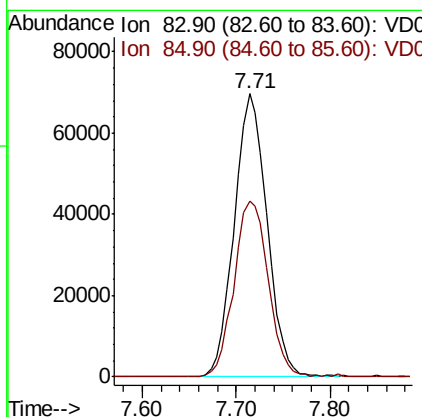
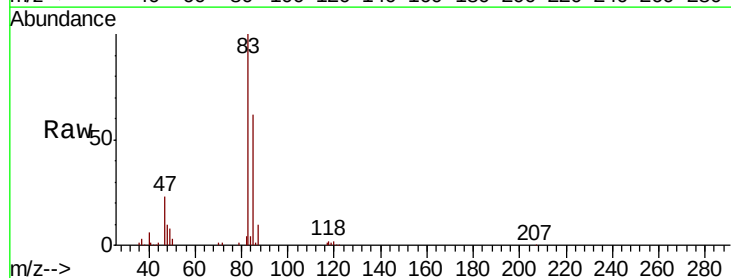
Instrument :
MSVOA_D
ClientSampleId :

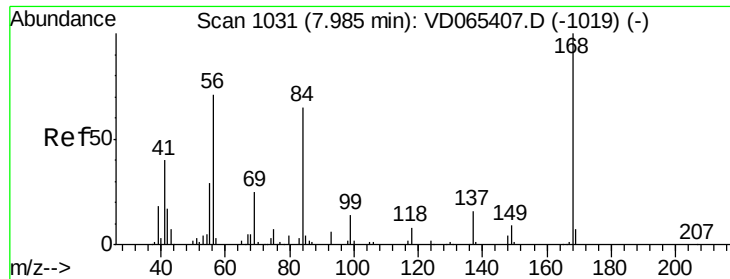
Tot Ion: 42 Resp: 67173
Ion Ratio Lower Upper
42 100
72 44.3 33.0 49.6
71 40.2 32.0 48.0



#30
Chloroform
Concen: 21.977 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 83 Resp: 168766
Ion Ratio Lower Upper
83 100
85 62.0 50.3 75.5

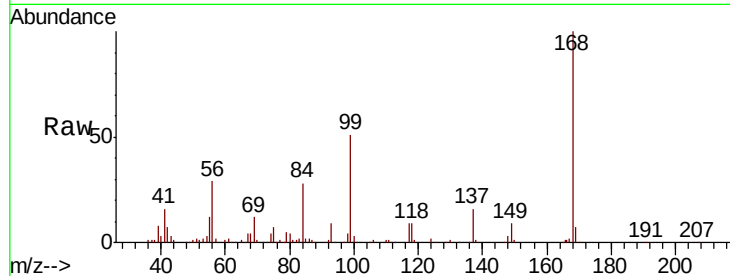




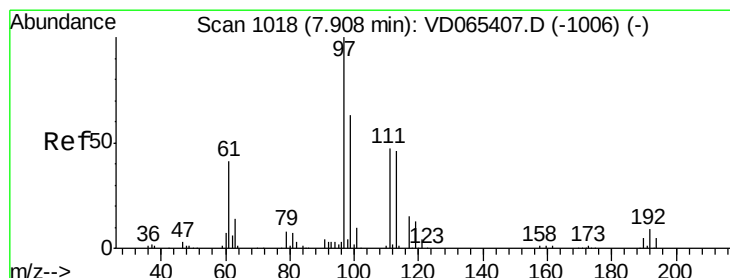
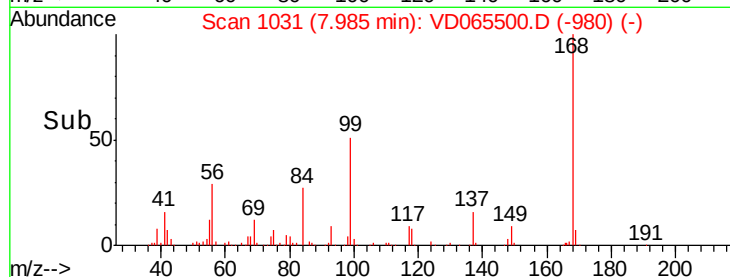
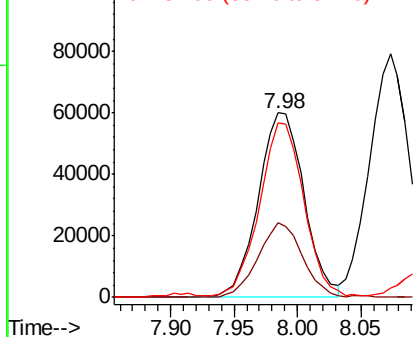
#31
Cyclohexane
Concen: 19.698 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 151326
Ion Ratio Lower Upper
56 100
69 40.4 28.3 42.5
84 92.9 73.1 109.7

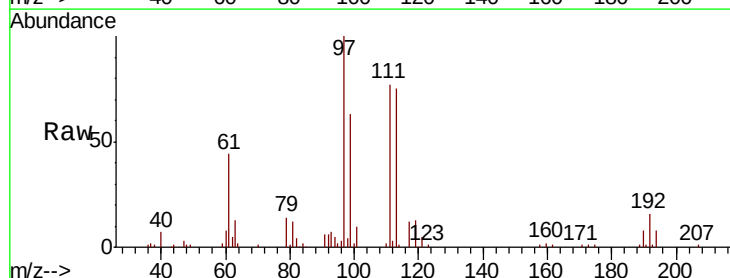


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

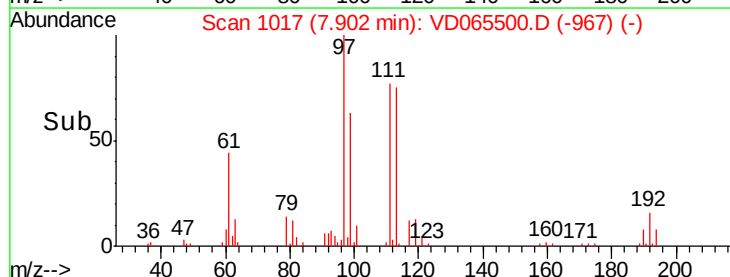
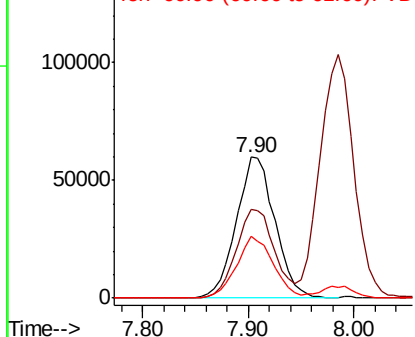


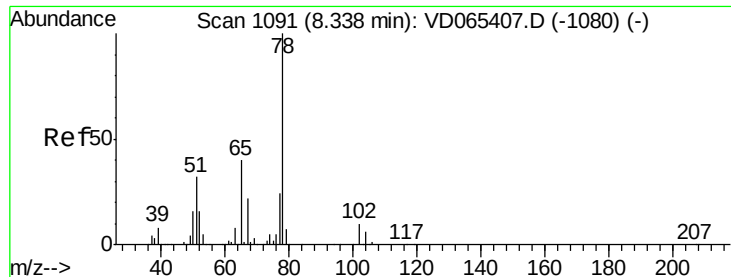
#32
1,1,1-Trichloroethane
Concen: 21.359 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 97 Resp: 151575
Ion Ratio Lower Upper
97 100
99 62.5 50.9 76.3
61 41.7 33.2 49.8



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

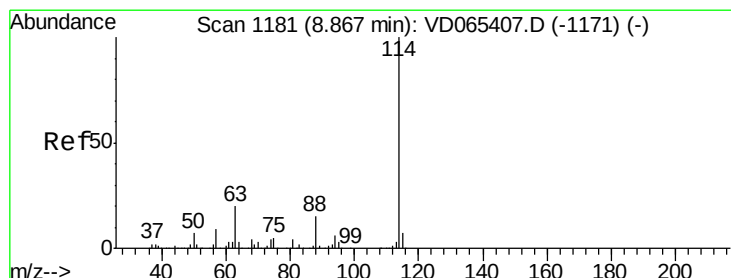
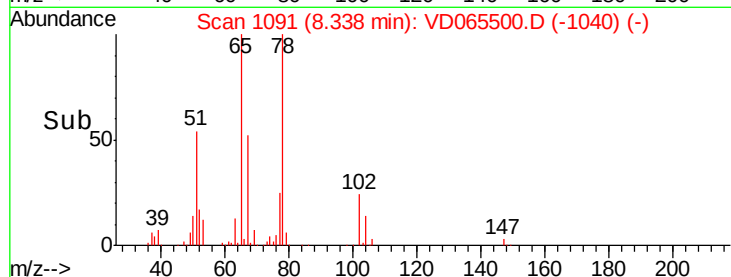
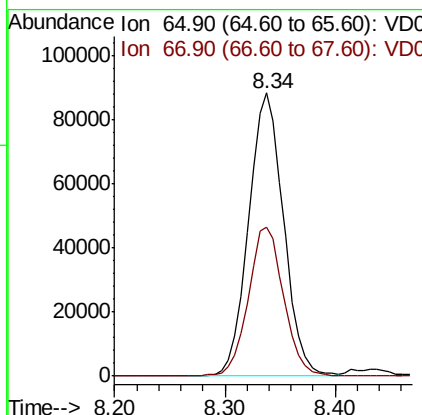
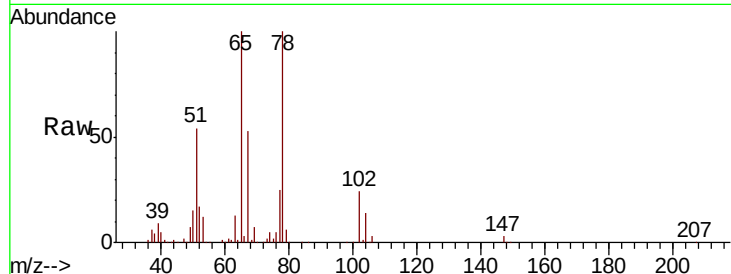




#33
 1,2-Dichloroethane-d4
 Concen: 50.904 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

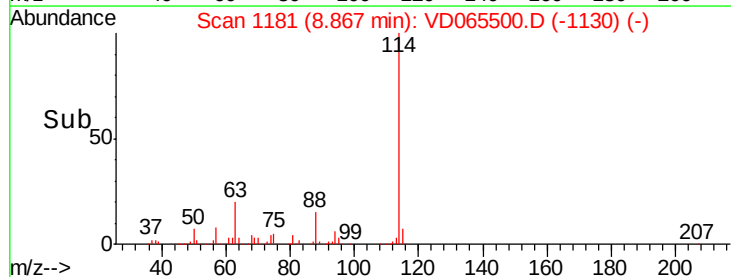
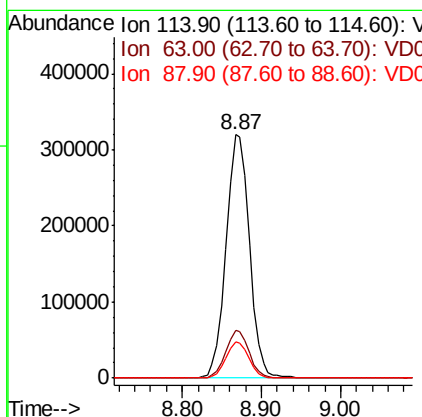
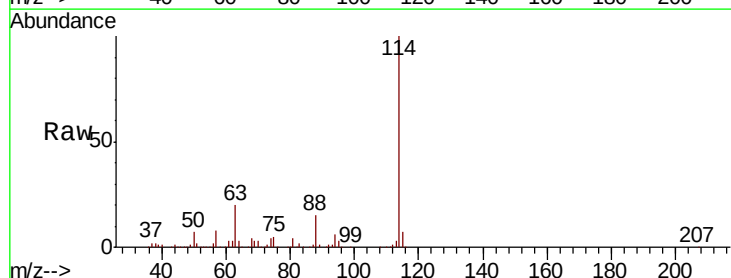
Instrument :
 MSVOA_D
 ClientSampleId :

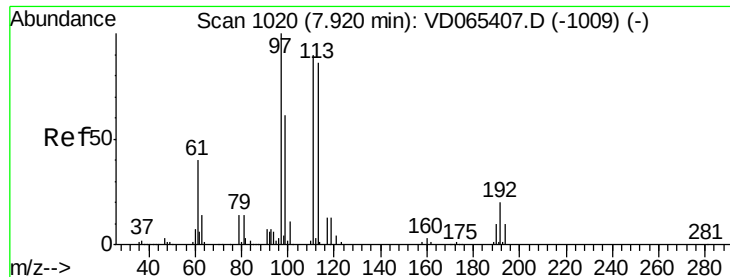
Tot Ion: 65 Resp: 196936
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion: 114 Resp: 652515
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 14.8 0.0 30.4

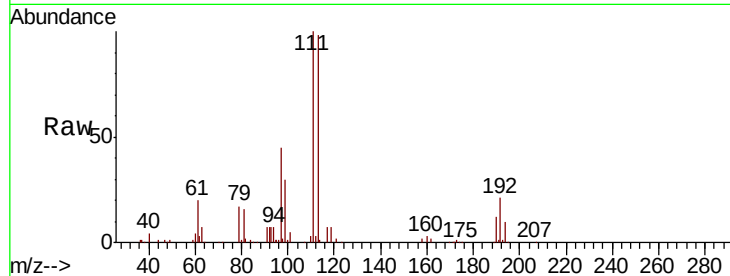




#35
 Dibromofluoromethane
 Concen: 52.496 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.1	123.1
192	22.0	17.2	25.8

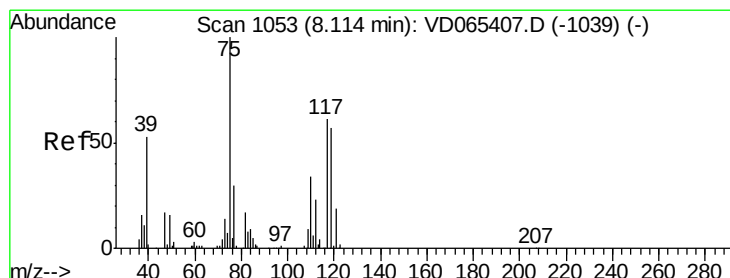
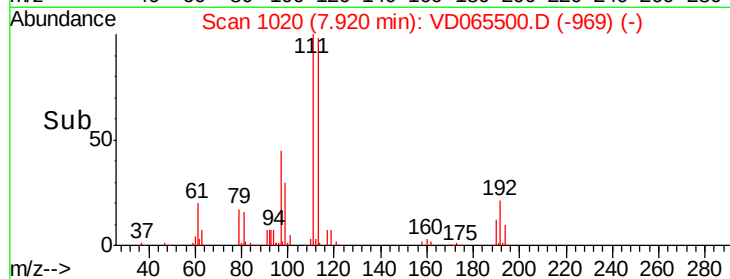
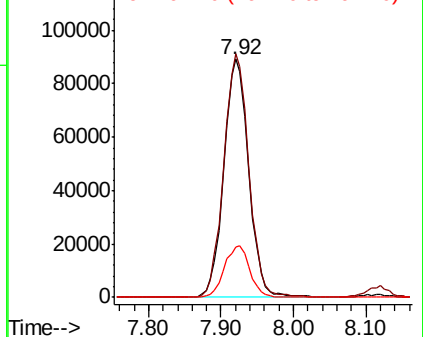


Abundance

Ion 112.80 (112.50 to 113.50): V

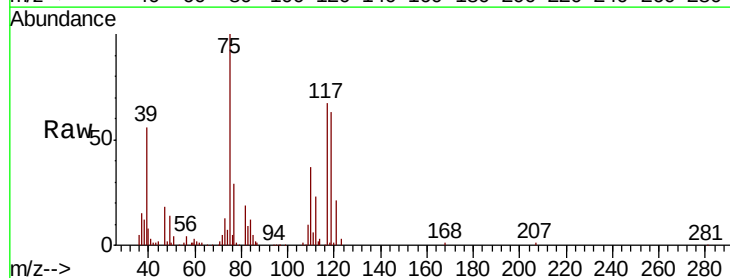
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.043 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.1	54.1
77	31.1	25.2	37.8

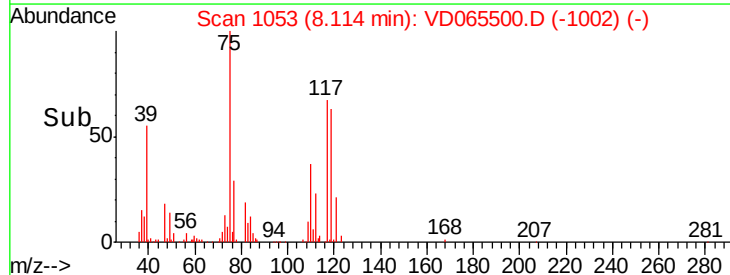
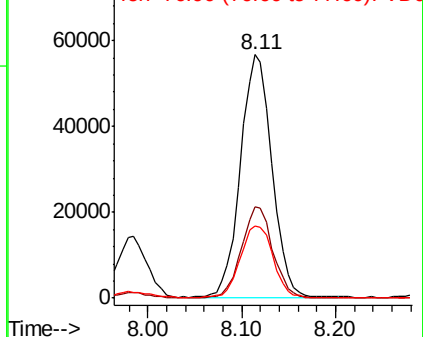


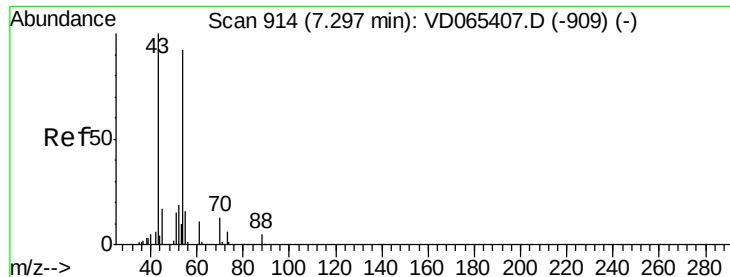
Abundance

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

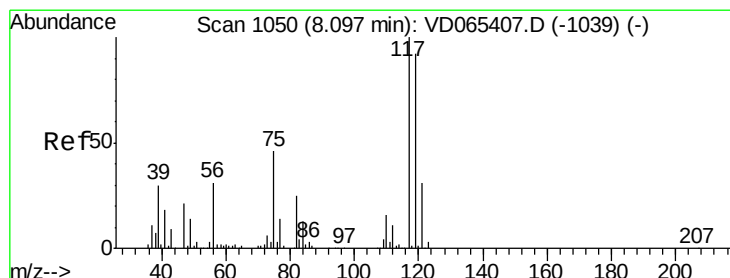
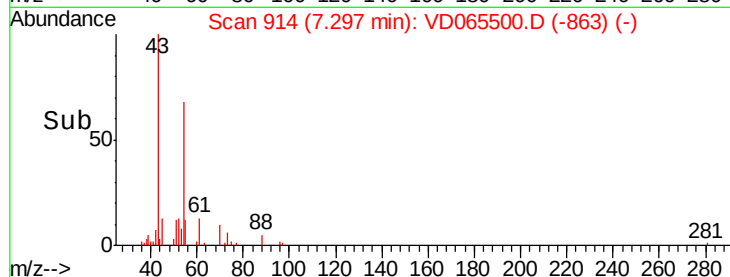
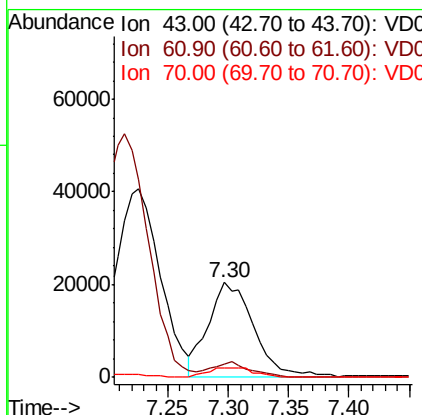
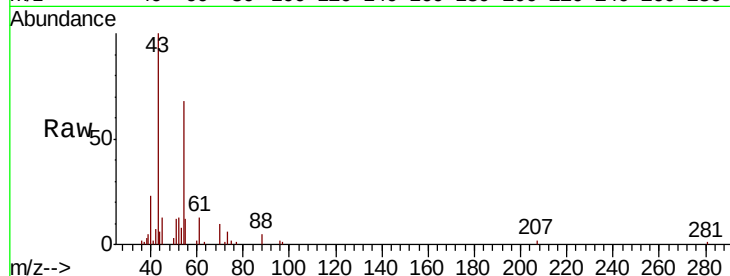




#37
Ethyl Acetate
Concen: 21.812 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

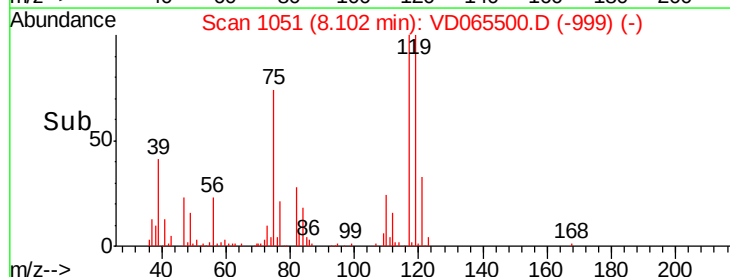
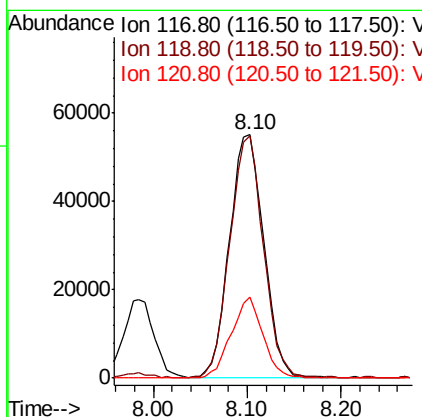
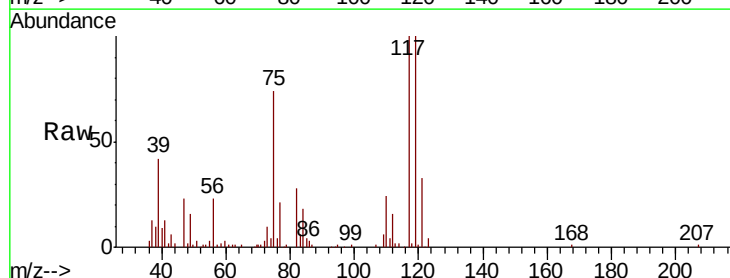
Instrument :
MSVOA_D
ClientSampleId :

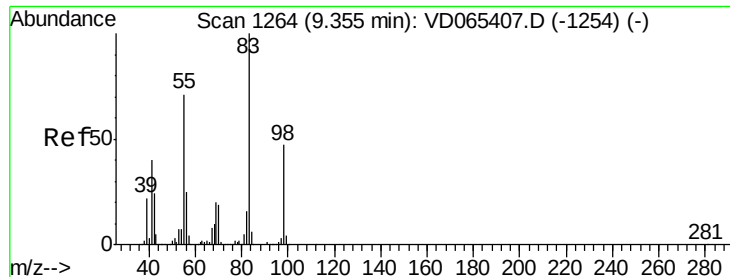
Tot Ion: 43 Resp: 52732
Ion Ratio Lower Upper
43 100
61 14.5 11.4 17.0
70 11.0 9.0 13.4



#38
Carbon Tetrachloride
Concen: 21.433 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 117 Resp: 139013
Ion Ratio Lower Upper
117 100
119 99.7 73.3 109.9
121 33.2 25.0 37.4

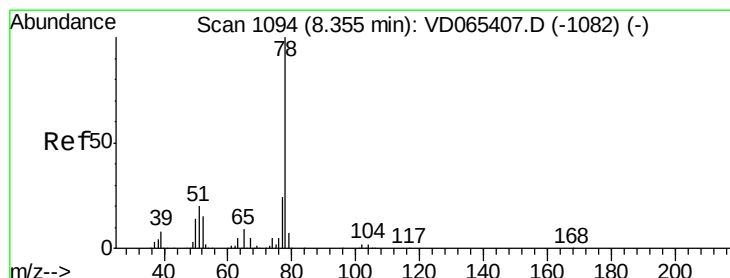
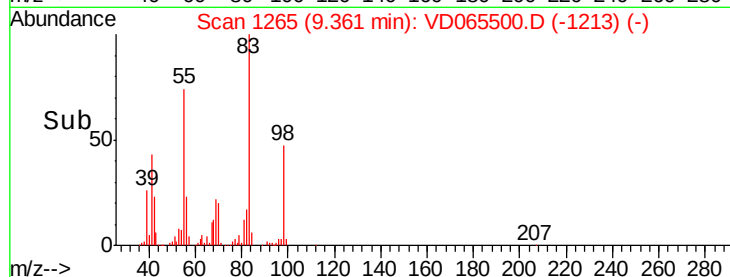
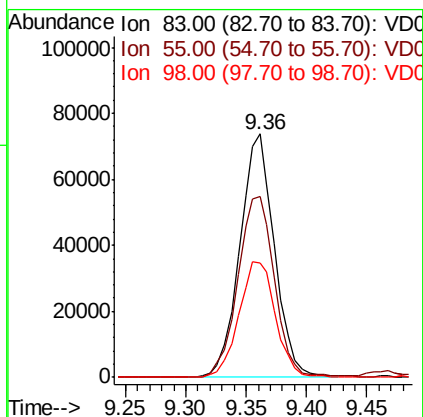
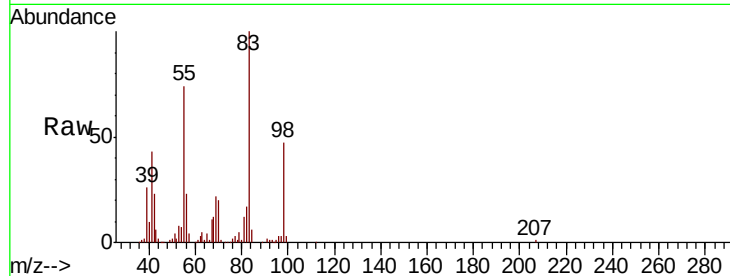




#39
Methylvlcyclohexane
Concen: 19.475 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

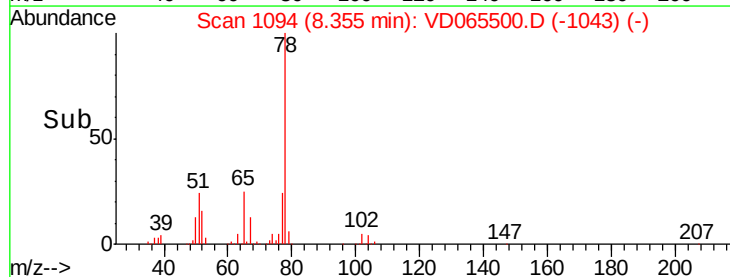
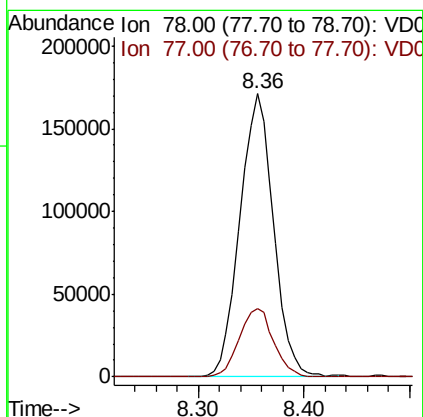
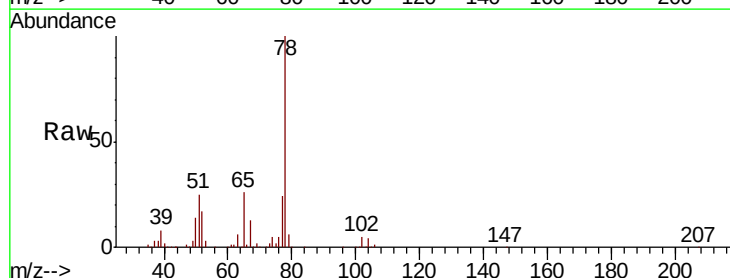
Instrument :
MSVOA_D
ClientSampled :

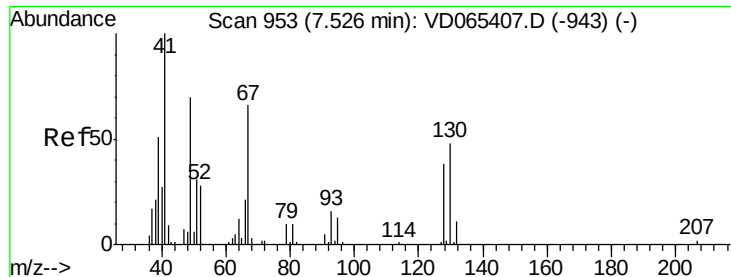
Tot Ion: 83 Resp: 147124
Ion Ratio Lower Upper
83 100
55 74.3 57.1 85.7
98 47.1 37.8 56.8



#40
Benzene
Concen: 21.637 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 78 Resp: 378388
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0





#41

Methacrylonitrile

Concen: 24.552 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 31391

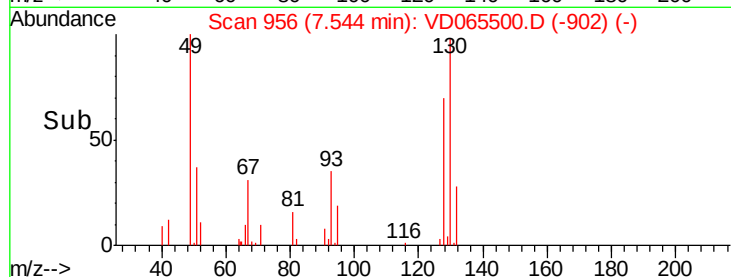
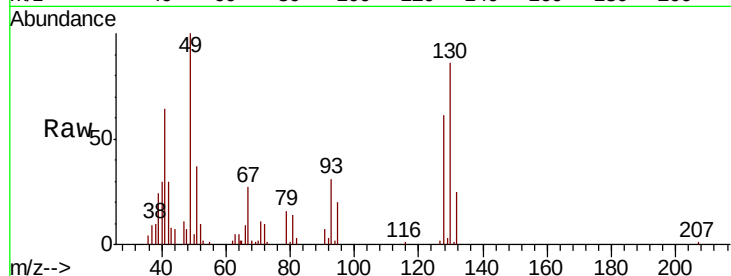
Ion Ratio Lower Upper

41 100

39 42.5 55.0 82.6#

67 64.1 70.3 105.5#

52 26.5 30.7 46.1#

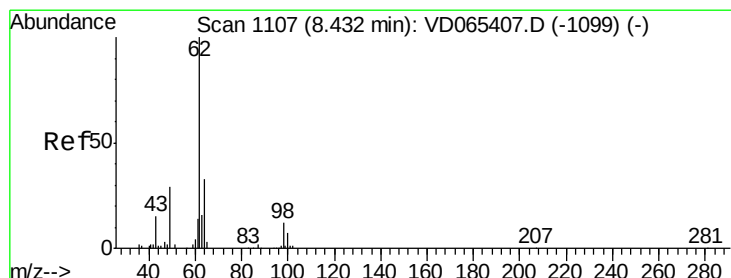
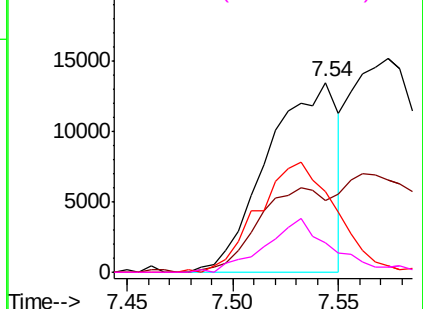


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.878 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065500.D

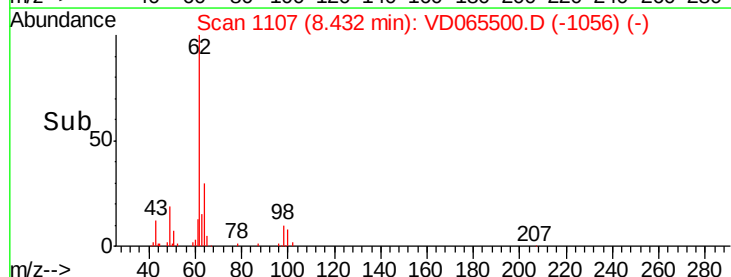
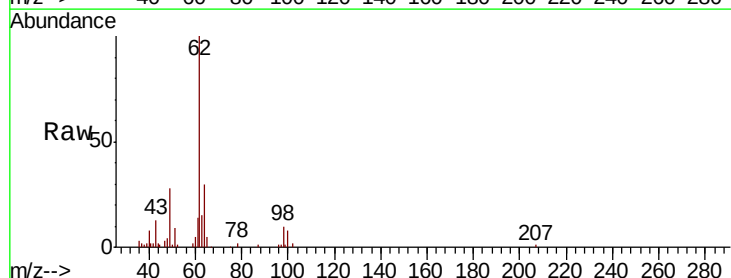
Acq: 13 Mar 2020 12:09

Tgt Ion: 62 Resp: 104475

Ion Ratio Lower Upper

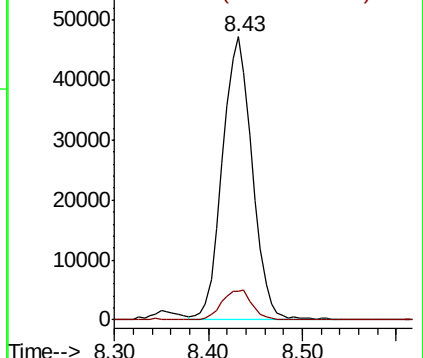
62 100

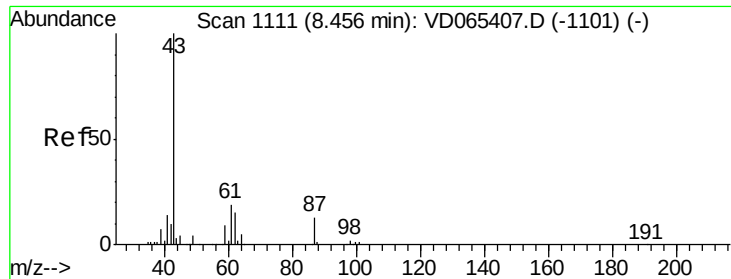
98 10.6 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.587 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampled :

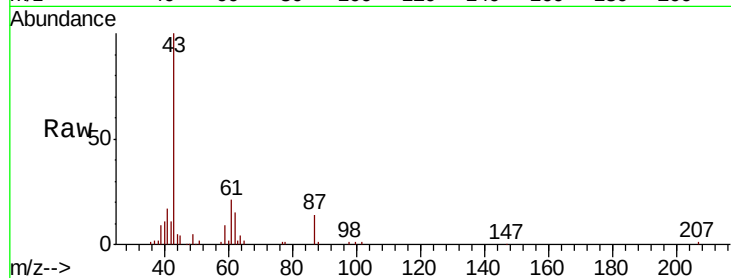
Tot Ion: 43 Resp: 91896

Ion Ratio Lower Upper

43 100

61 32.8 25.0 37.6

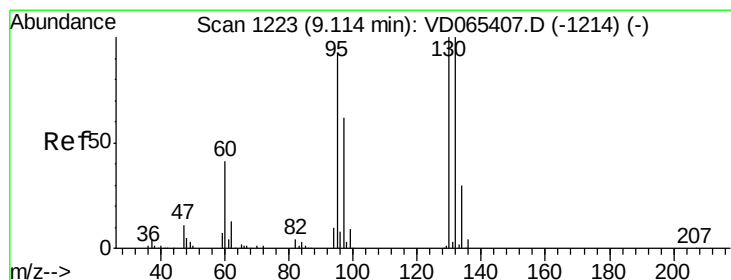
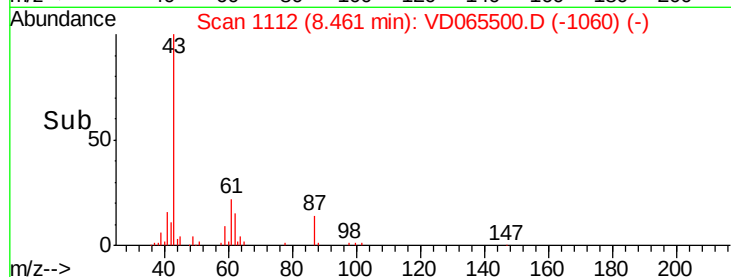
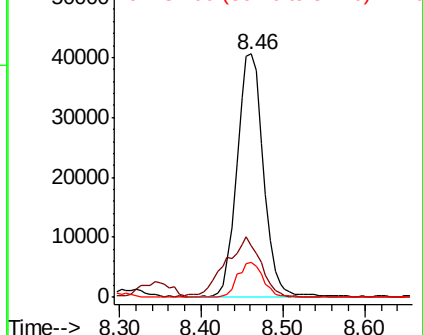
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.537 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065500.D

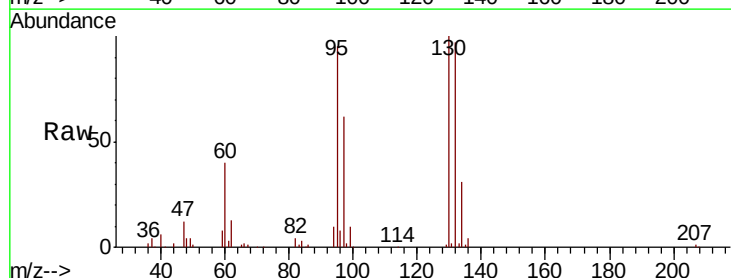
Acq: 13 Mar 2020 12:09

Tgt Ion: 130 Resp: 106366

Ion Ratio Lower Upper

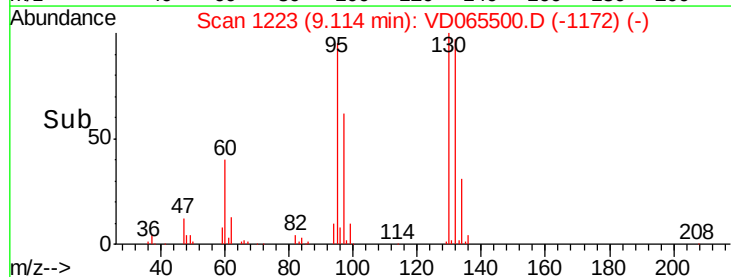
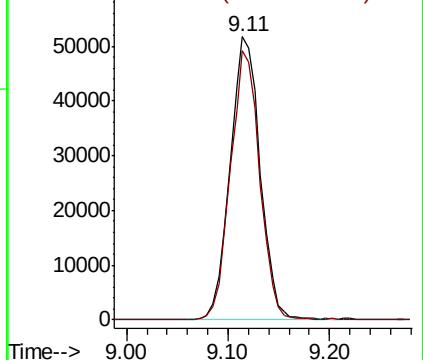
130 100

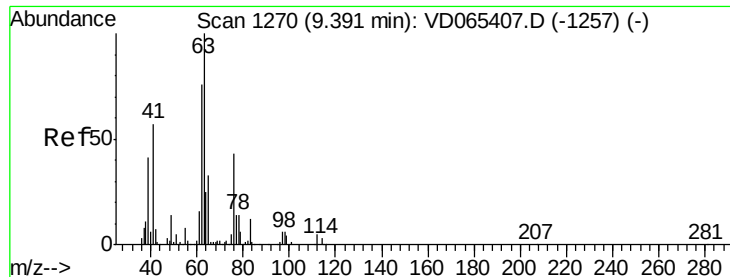
95 95.2 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.677 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

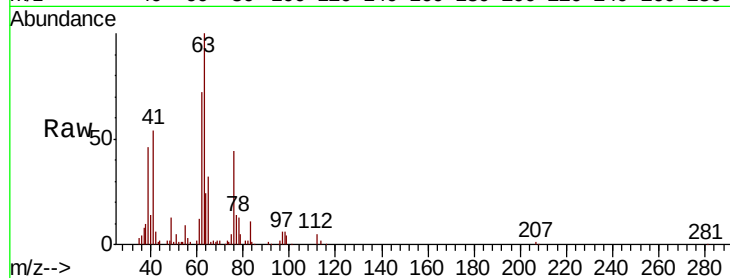
ClientSampleId :

Tot Ion: 63 Resp: 96062

Ion Ratio Lower Upper

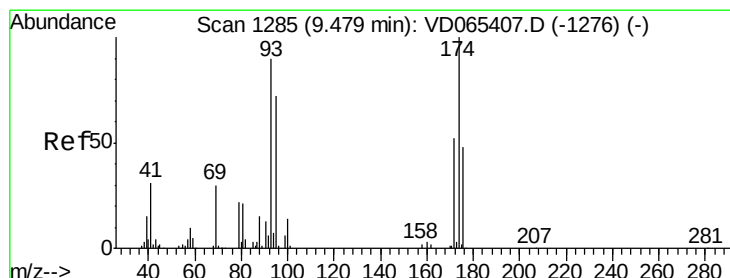
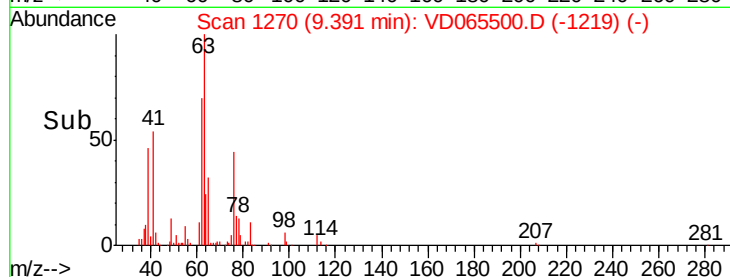
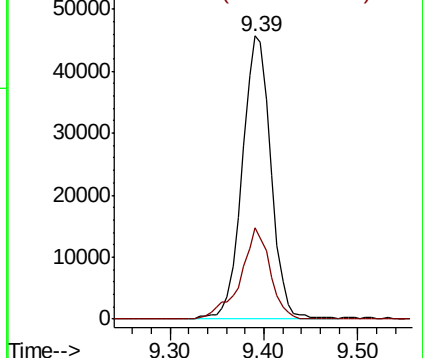
63 100

65 32.2 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.806 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

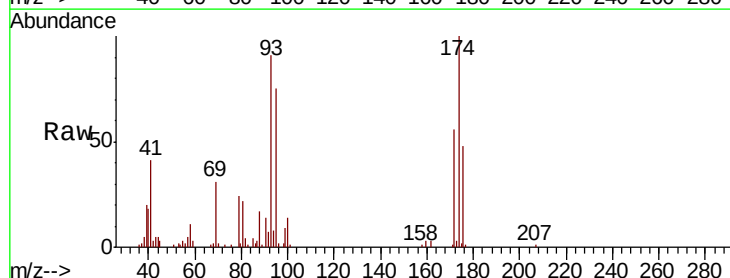
Tgt Ion: 93 Resp: 47915

Ion Ratio Lower Upper

93 100

95 84.8 65.0 97.6

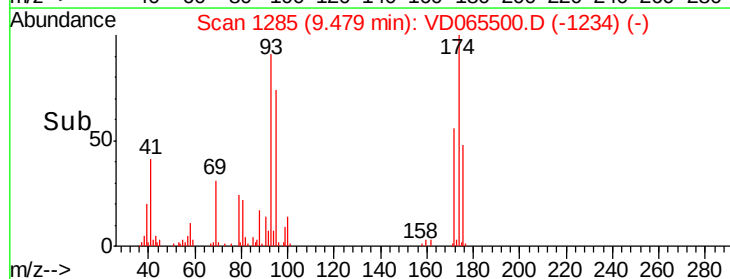
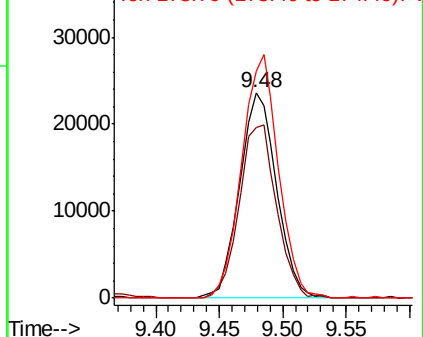
174 117.4 88.3 132.5

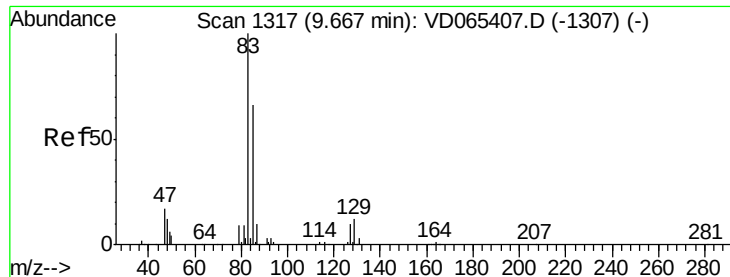


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.260 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

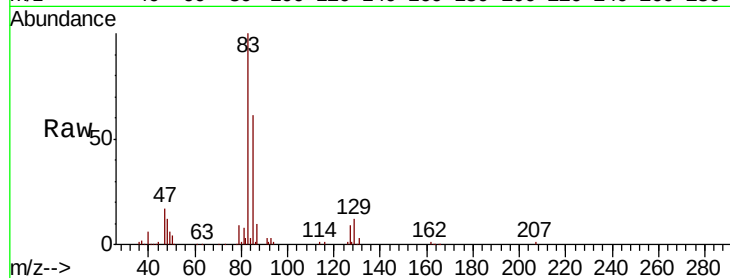
Tot Ion: 83 Resp: 127251

Ion Ratio Lower Upper

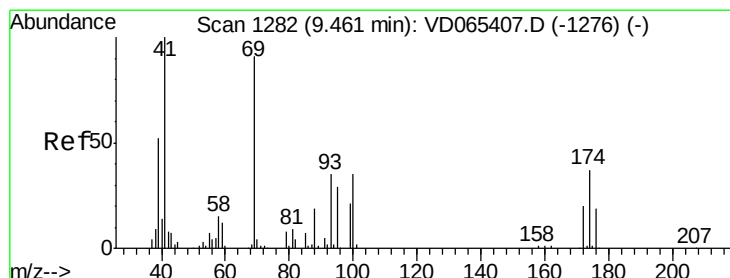
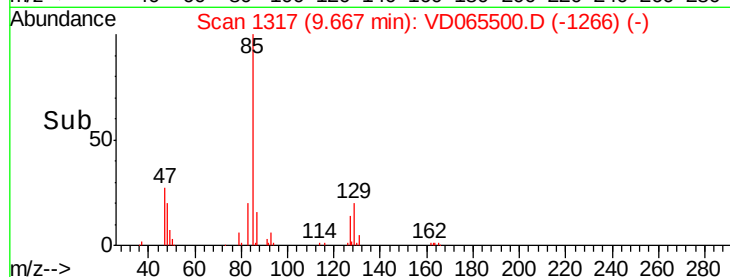
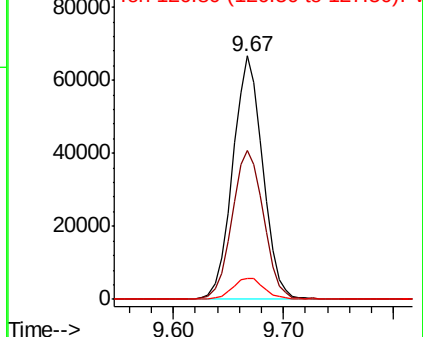
83 100

85 61.0 52.8 79.2

127 8.5 8.0 12.0



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



#48

Methyl methacrylate

Concen: 19.993 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

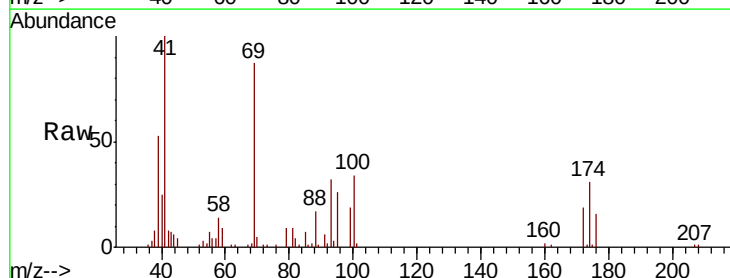
Tgt Ion: 41 Resp: 41980

Ion Ratio Lower Upper

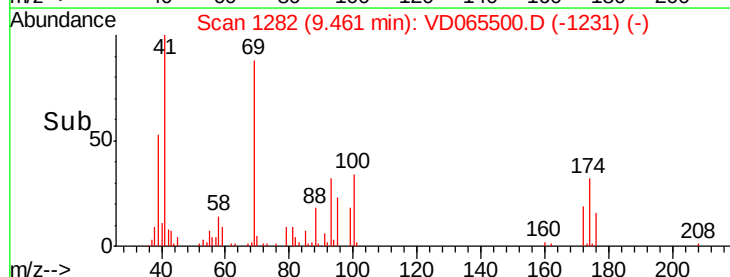
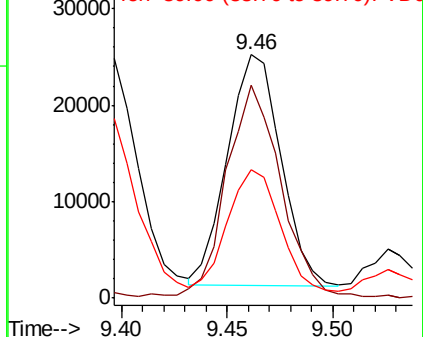
41 100

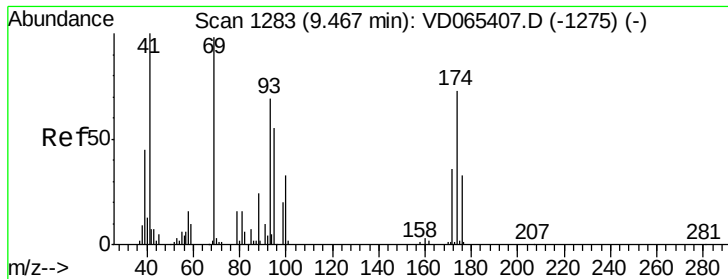
69 95.4 72.5 108.7

39 57.4 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

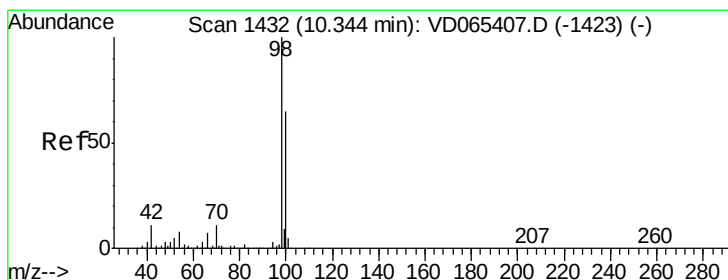
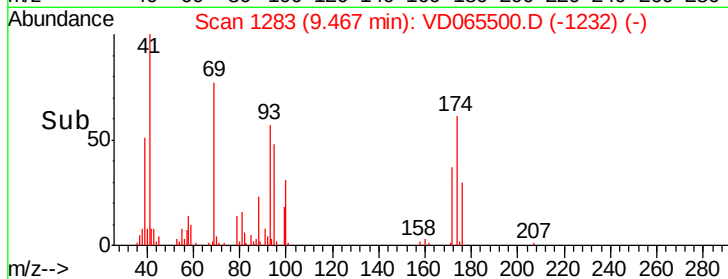
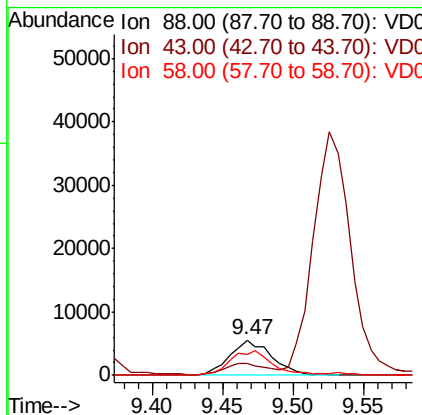
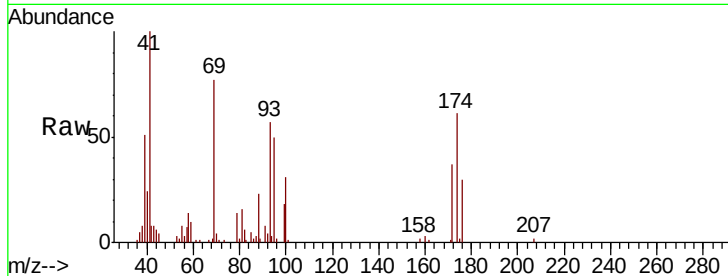




#49
1,4-Dioxane
Concen: 453.604 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

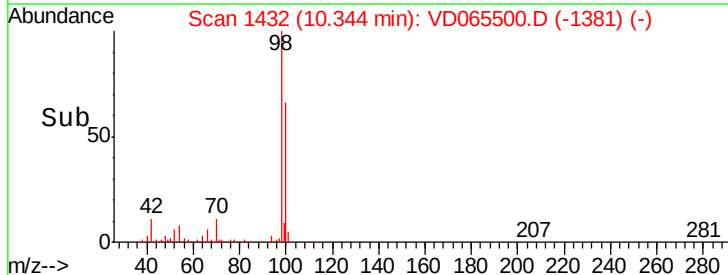
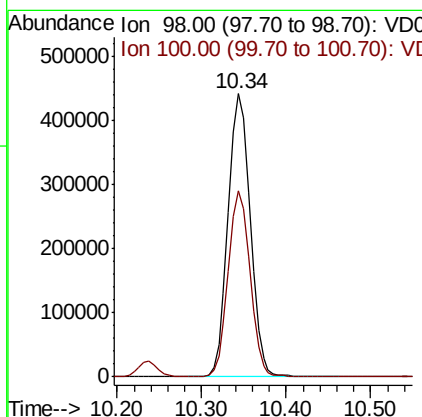
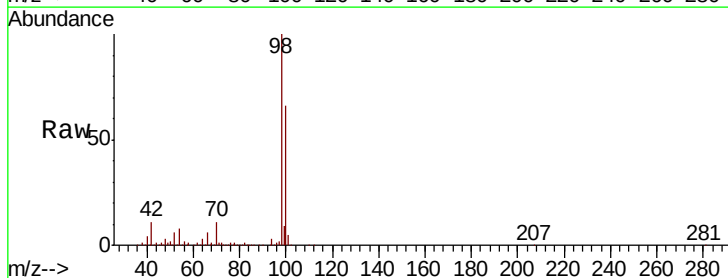
Instrument :
MSVOA_D
ClientSampleId :

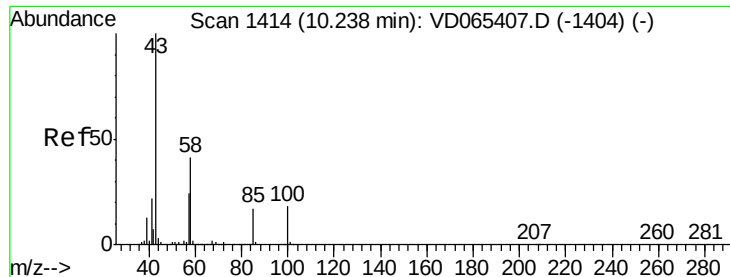
Tot Ion: 88 Resp: 11401
Ion Ratio Lower Upper
88 100
43 35.3 24.5 36.7
58 72.0 54.5 81.7



#50
Toluene-d8
Concen: 51.855 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 98 Resp: 802739
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2

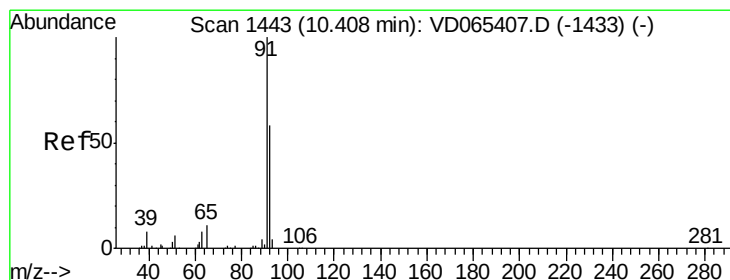
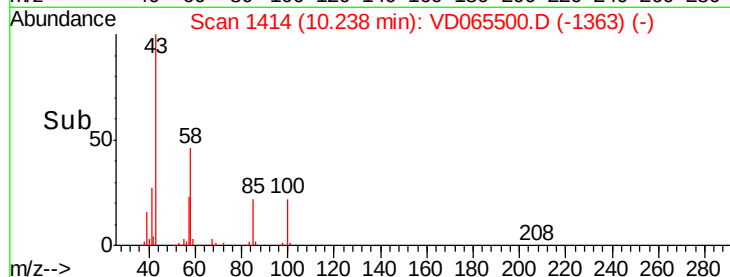
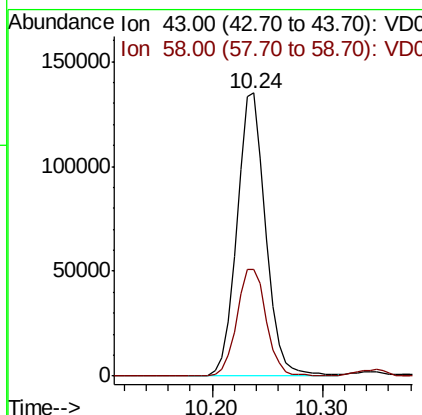
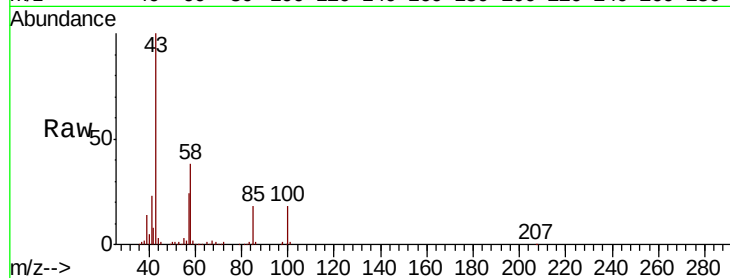




#51
 4-Methyl-2-Pentanone
 Concen: 109.857 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

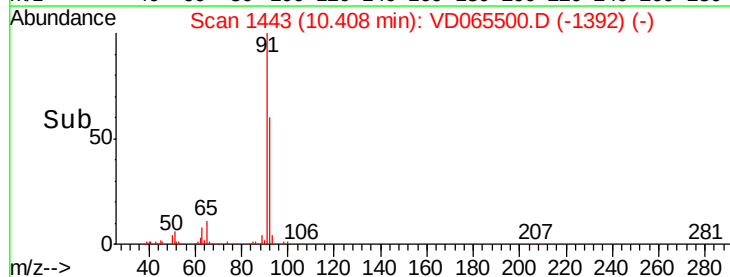
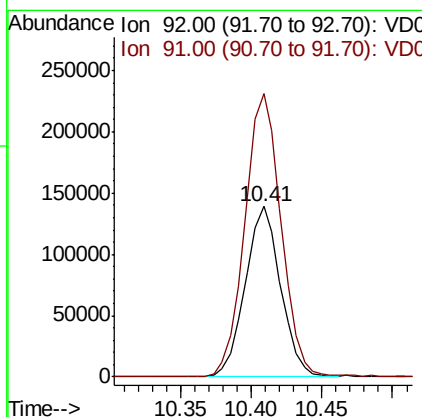
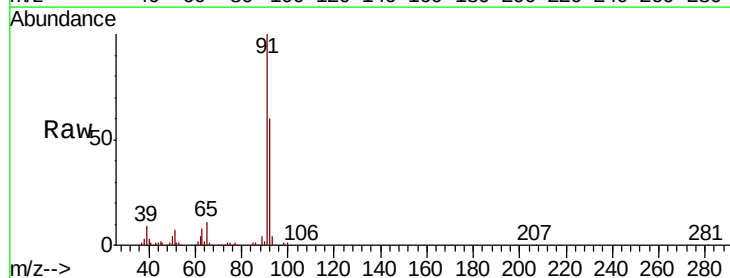
Instrument :
 MSVOA_D
 ClientSampled :

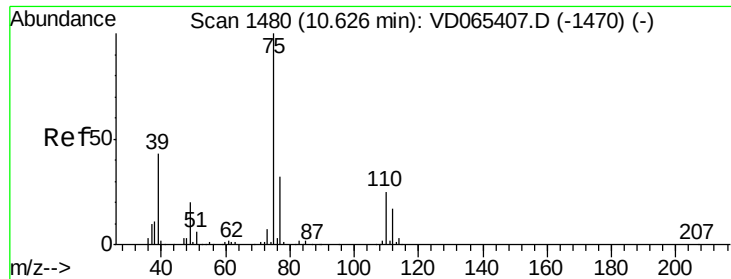
Tot Ion: 43 Resp: 246773
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.8 47.6



#52
 Toluene
 Concen: 22.217 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion: 92 Resp: 244765
 Ion Ratio Lower Upper
 92 100
 91 170.7 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 21.680 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

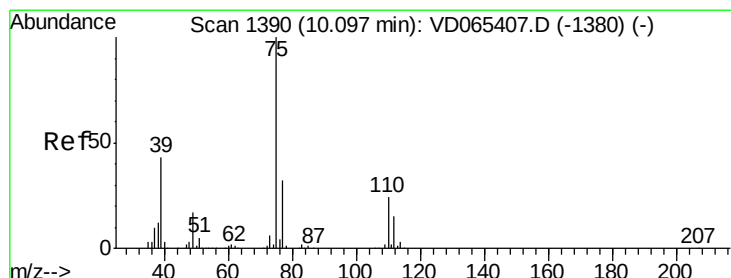
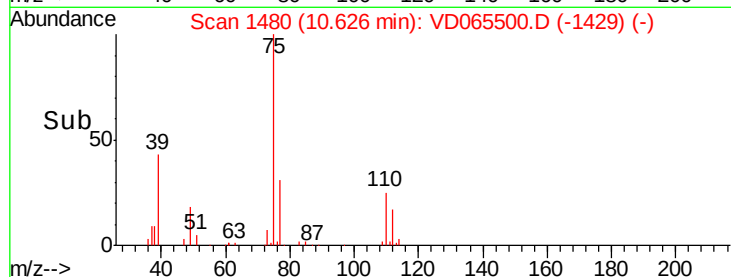
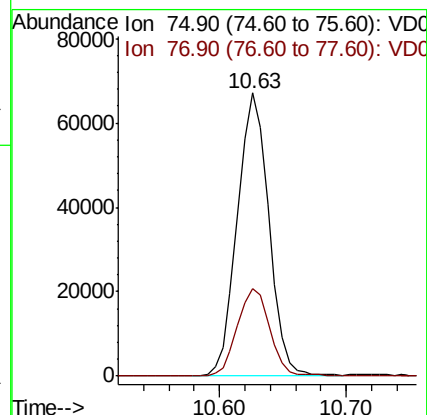
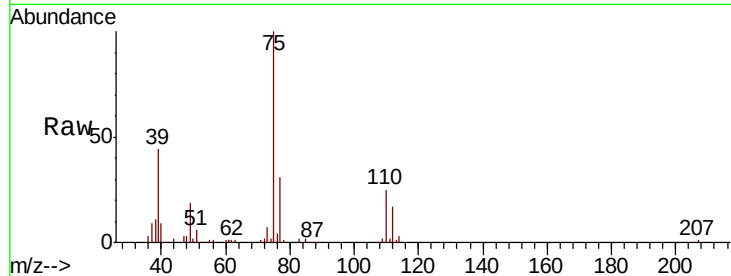
ClientSampleId :

Tot Ion: 75 Resp: 115819

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.854 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

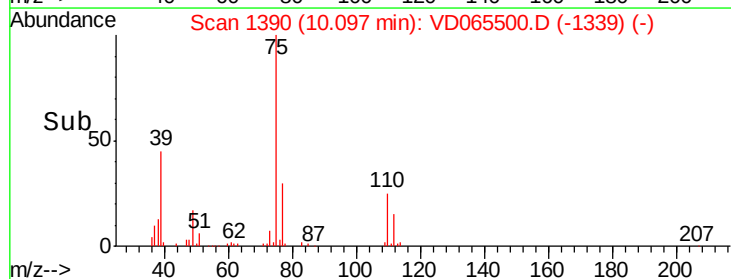
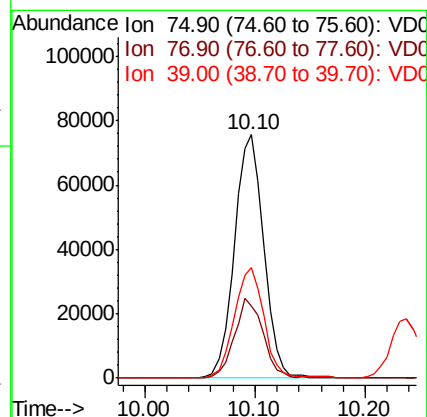
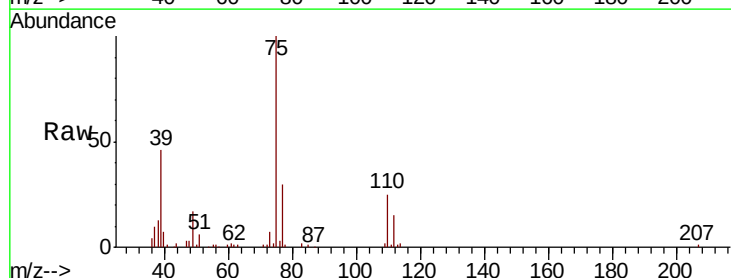
Tgt Ion: 75 Resp: 141316

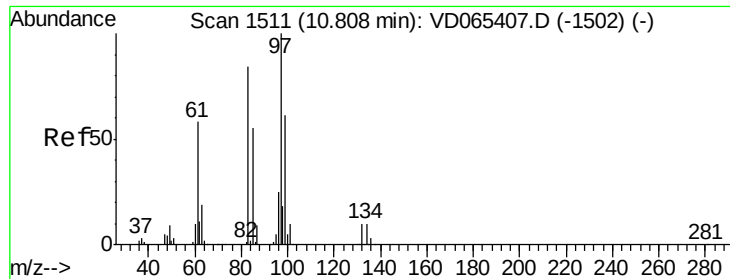
Ion Ratio Lower Upper

75 100

77 29.5 25.3 37.9

39 45.5 34.6 52.0

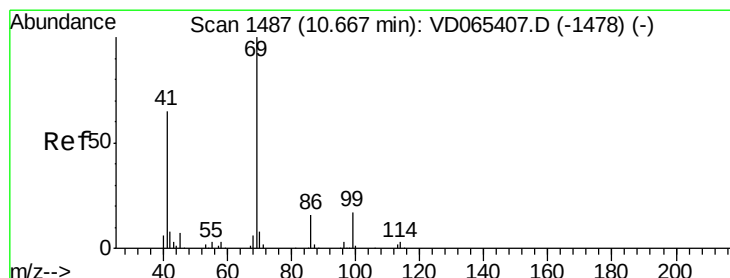
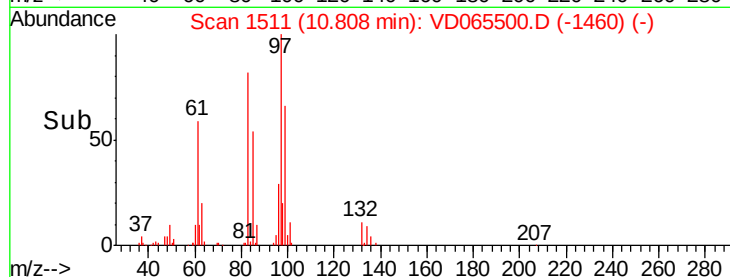
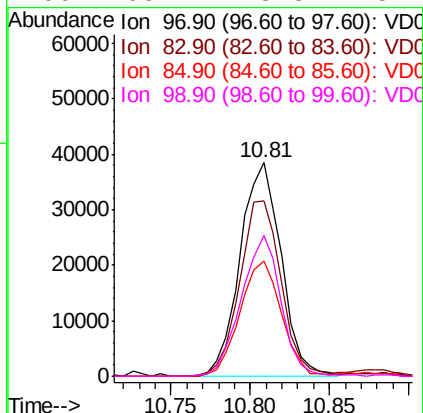
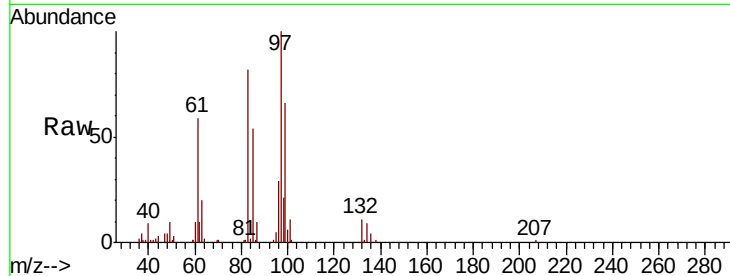




#55
 1,1,2-Trichloroethane
 Concen: 22.307 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

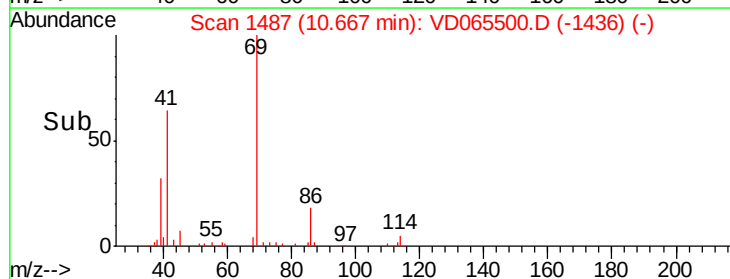
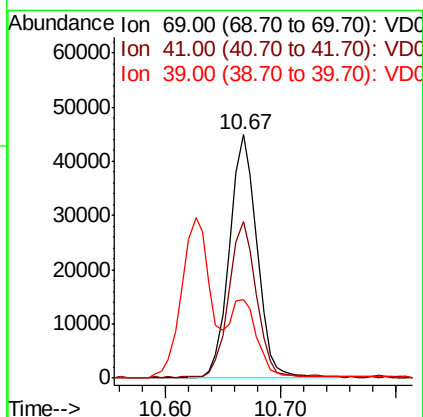
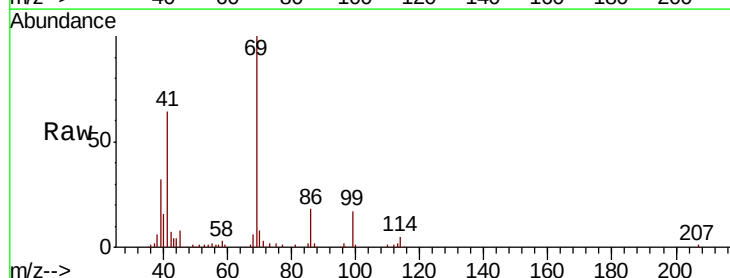
Instrument :
 MSVOA_D
 ClientSampleId :

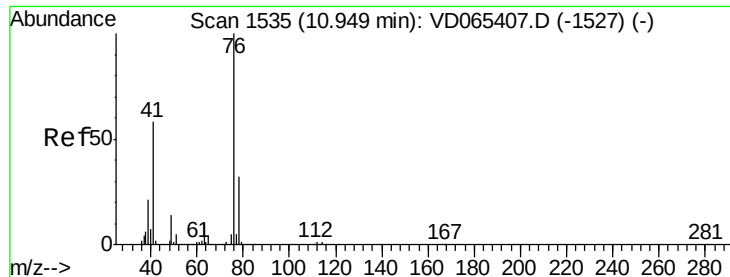
Tot Ion:	97	Resp:	69423
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.4	101.0
85	53.9	43.8	65.8
99	65.7	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 21.145 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion:	69	Resp:	74187
Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.0	79.6
39	30.9	26.0	39.0





#57

1,3-Dichloropropane

Concen: 22.570 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

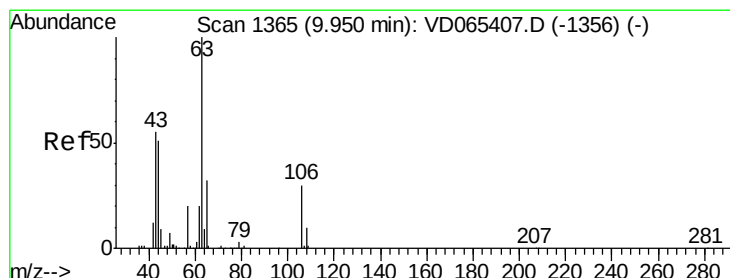
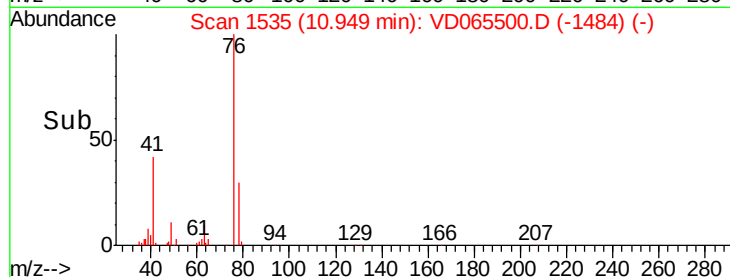
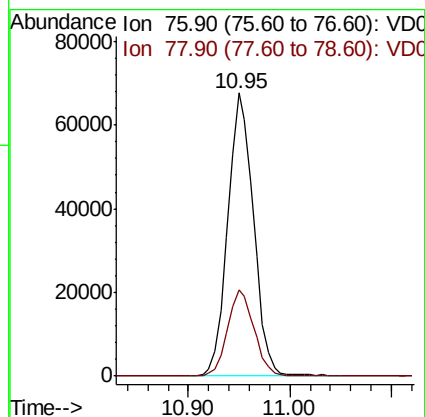
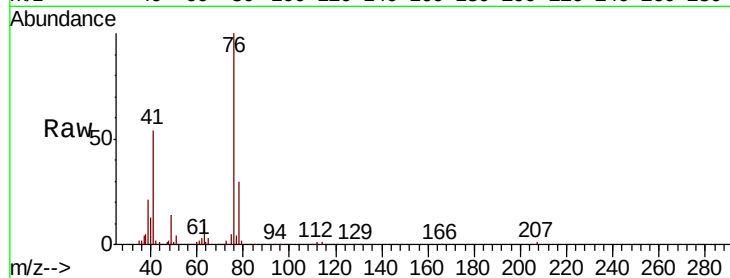
ClientSampleId :

Tot Ion: 76 Resp: 118849

Ion Ratio Lower Upper

76 100

78 31.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 99.615 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065500.D

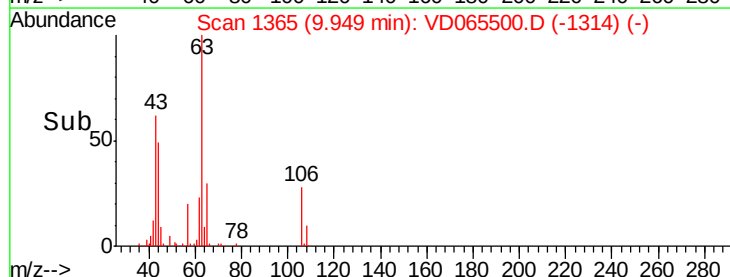
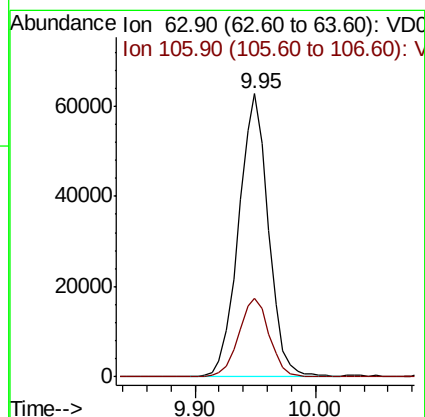
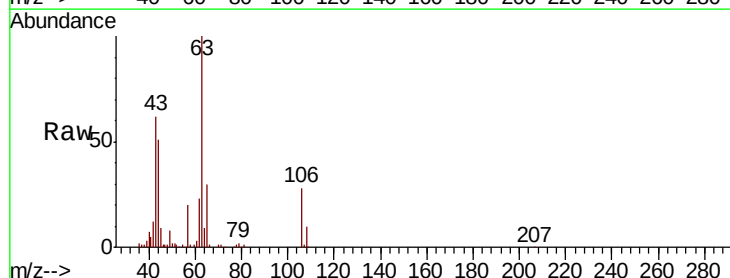
Acq: 13 Mar 2020 12:09

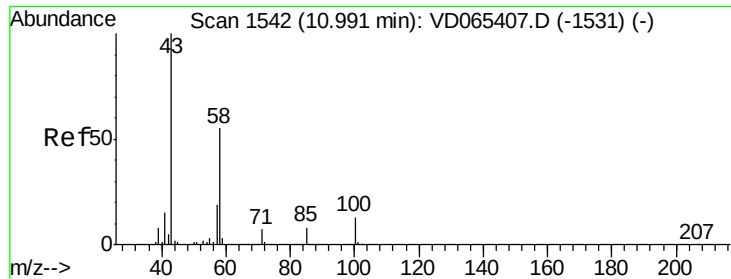
Tgt Ion: 63 Resp: 107782

Ion Ratio Lower Upper

63 100

106 28.4 23.3 34.9

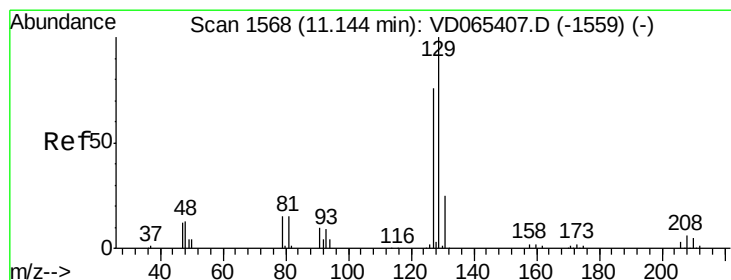
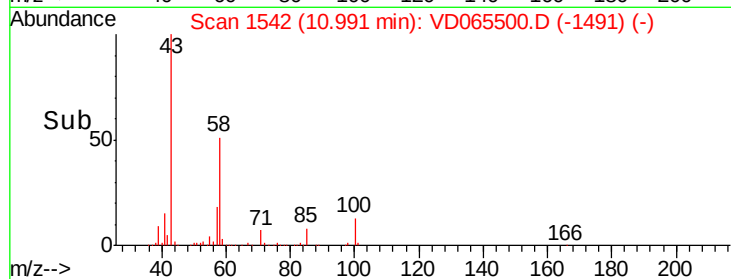
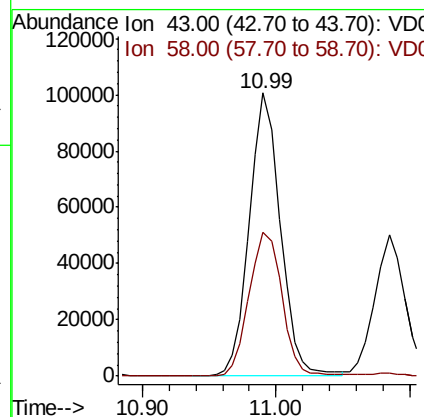
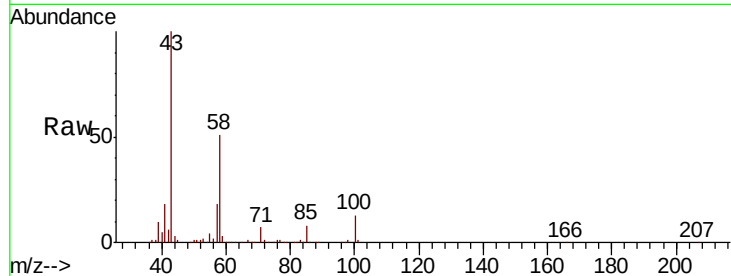




#59
2-Hexanone
Concen: 104.305 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

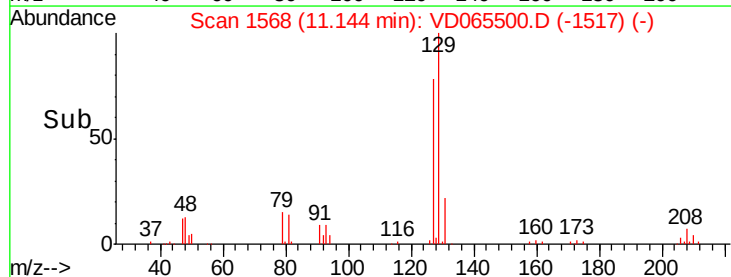
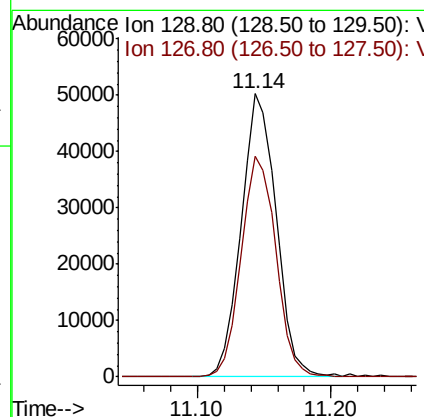
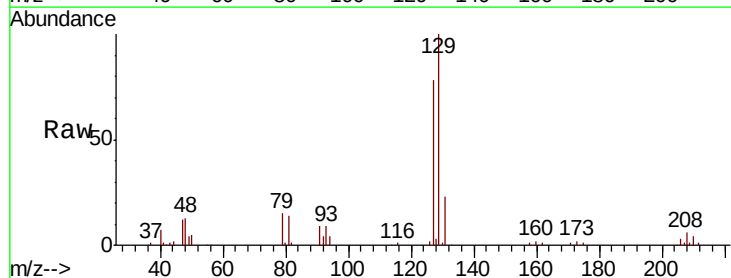
Instrument :
MSVOA_D
ClientSampleId :

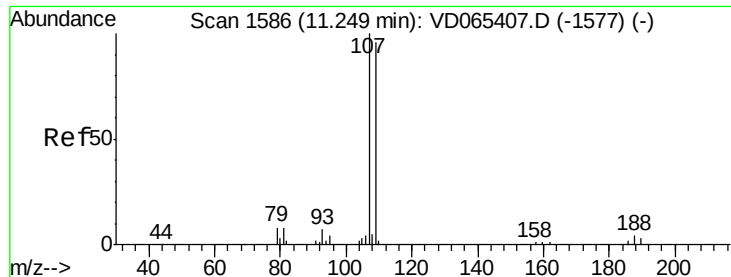
Tot Ion: 43 Resp: 162193
Ion Ratio Lower Upper
43 100
58 53.8 27.4 82.2



#60
Dibromochloromethane
Concen: 22.829 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 129 Resp: 91070
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5

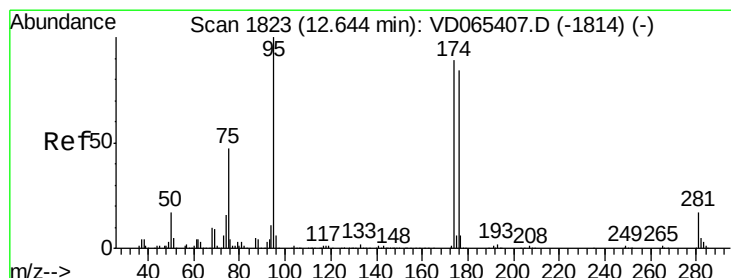
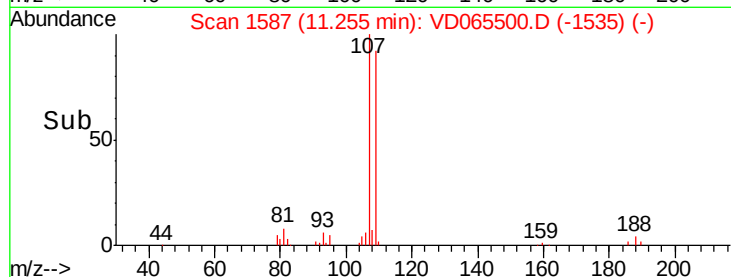
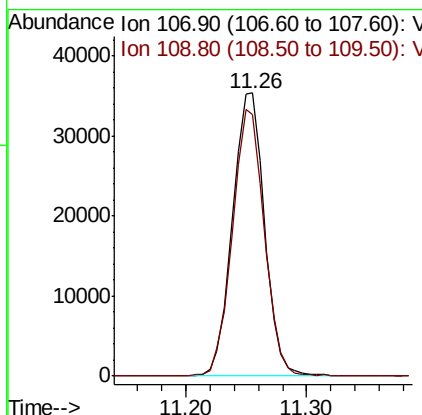
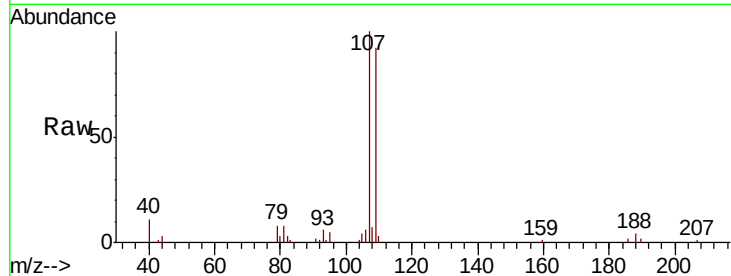




#61
 1,2-Dibromoethane
 Concen: 22.064 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

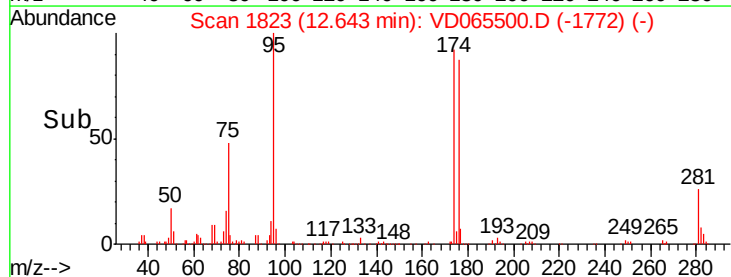
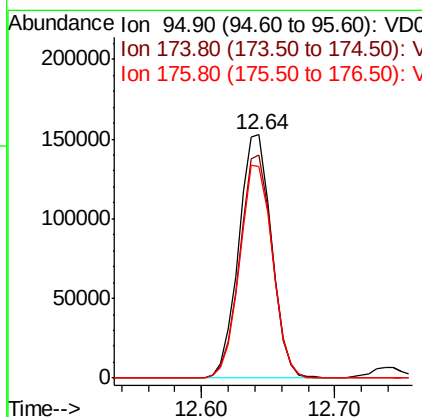
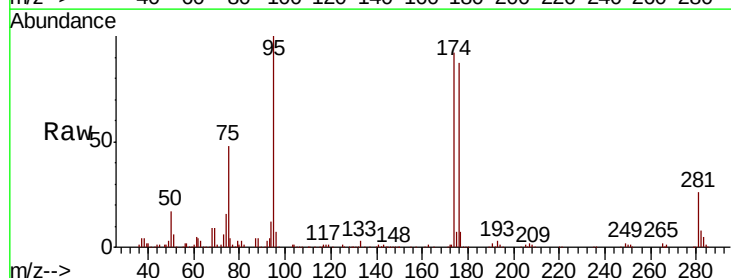
Instrument :
 MSVOA_D
 ClientSampleId :

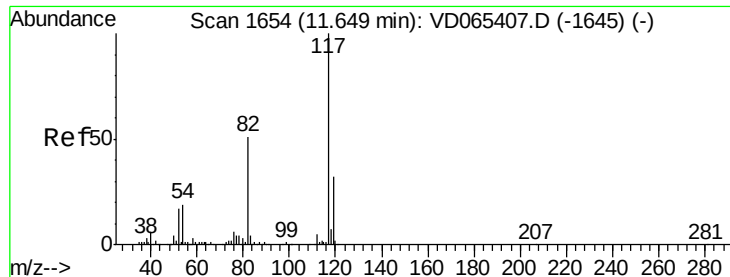
Tot Ion:107 Resp: 65499
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 54.247 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion: 95 Resp: 259245
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 176.8
 176 88.0 0.0 171.4

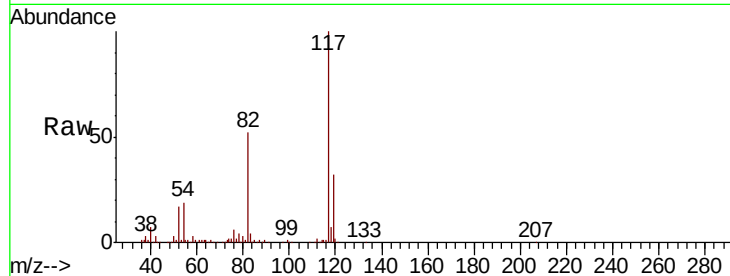




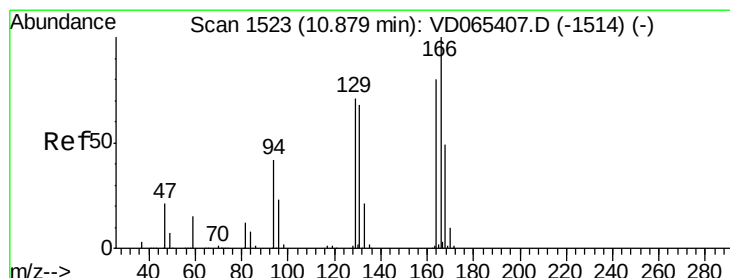
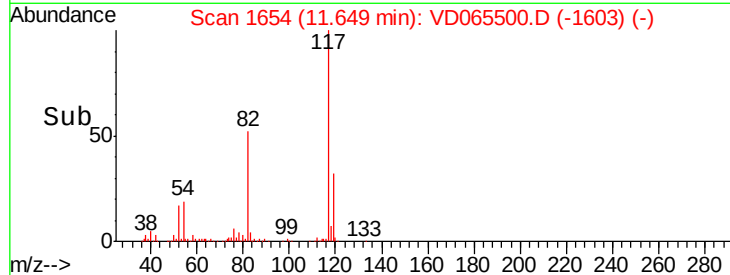
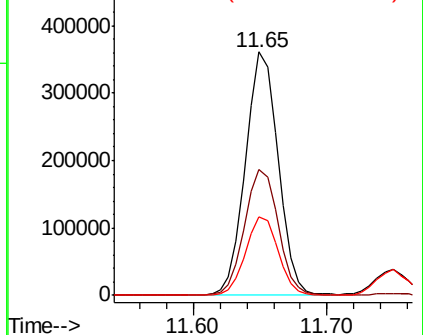
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 613177
Ion Ratio Lower Upper
117 100
82 51.6 40.6 60.8
119 32.0 25.4 38.2

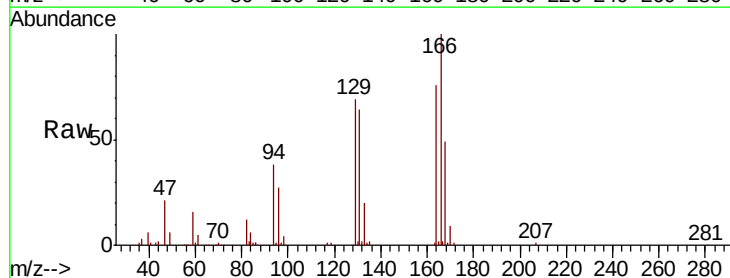


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

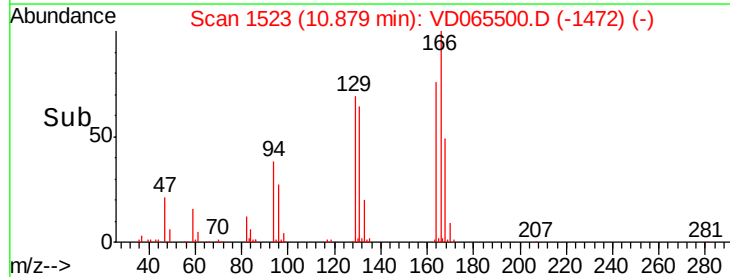
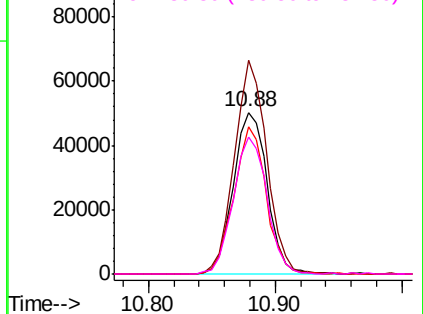


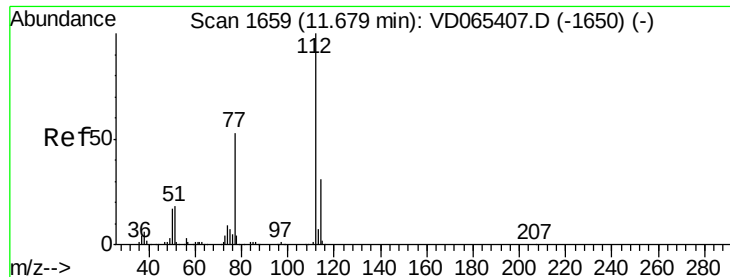
#64
Tetrachloroethene
Concen: 21.105 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion:164 Resp: 92730
Ion Ratio Lower Upper
164 100
166 132.1 100.5 150.7
129 91.4 71.5 107.3
131 84.4 68.5 102.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.179 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

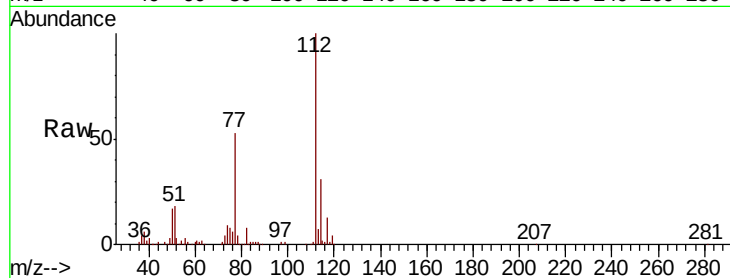
ClientSampleId :

Tot Ion:112 Resp: 256983

Ion Ratio Lower Upper

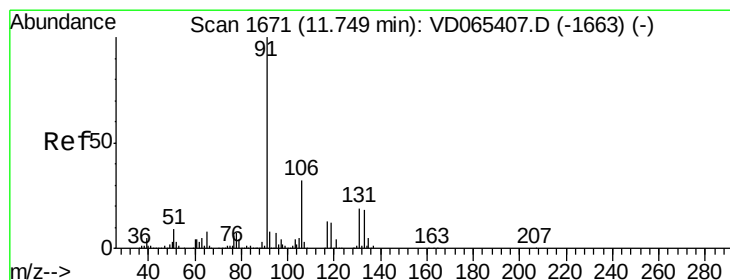
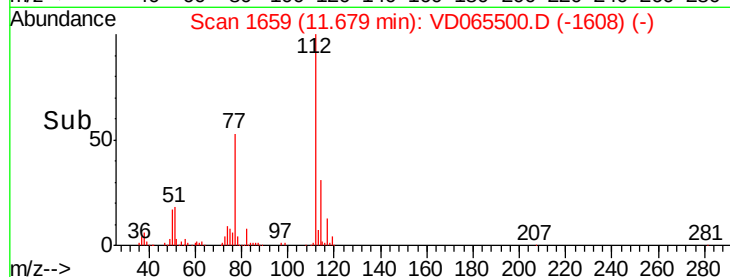
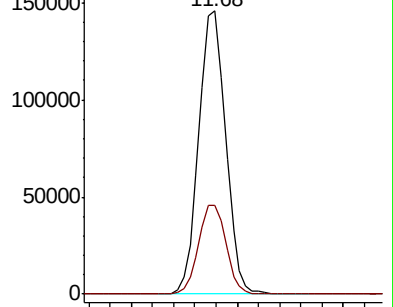
112 100

114 31.3 24.4 36.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.210 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

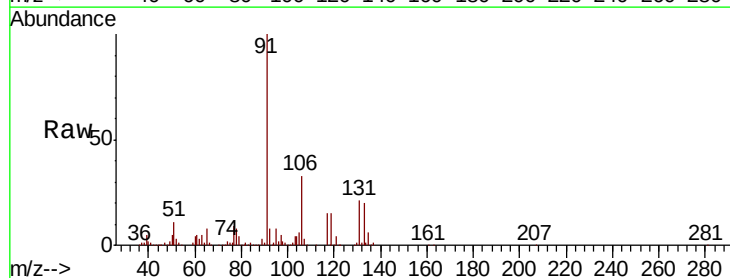
Tgt Ion:131 Resp: 98154

Ion Ratio Lower Upper

131 100

133 95.7 49.2 147.6

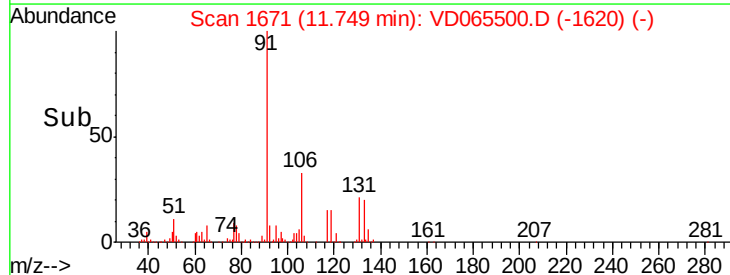
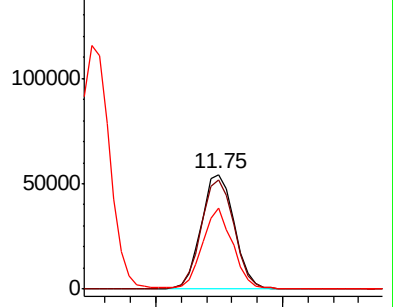
119 64.8 33.3 99.8

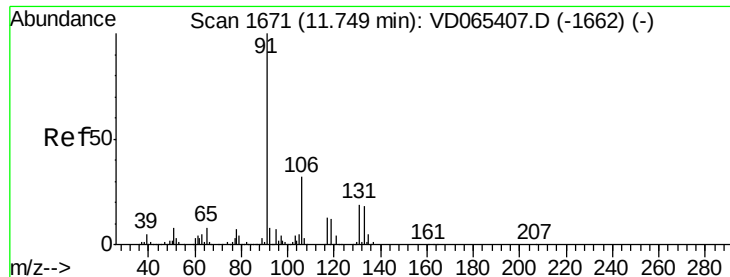


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.735 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

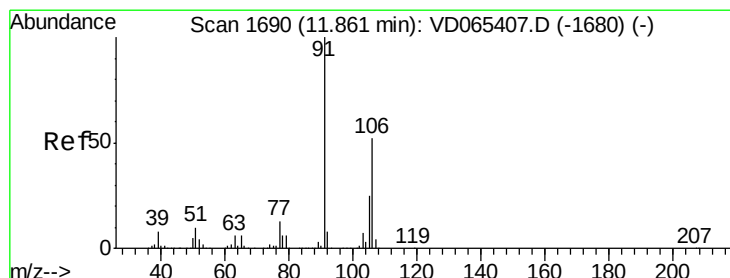
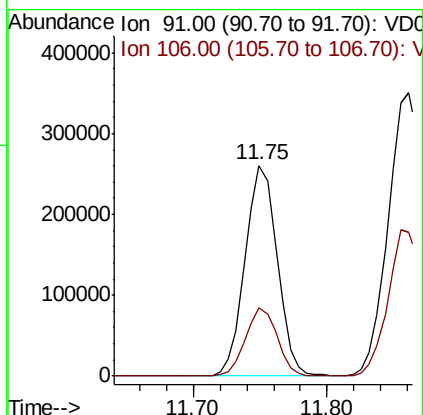
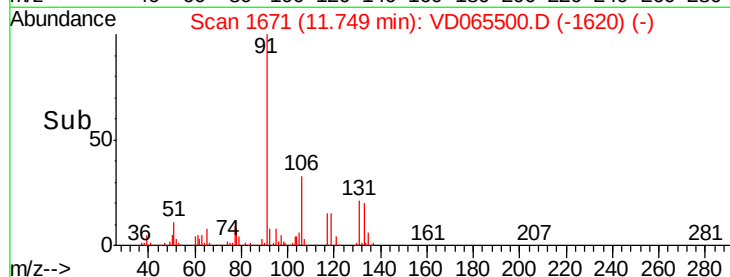
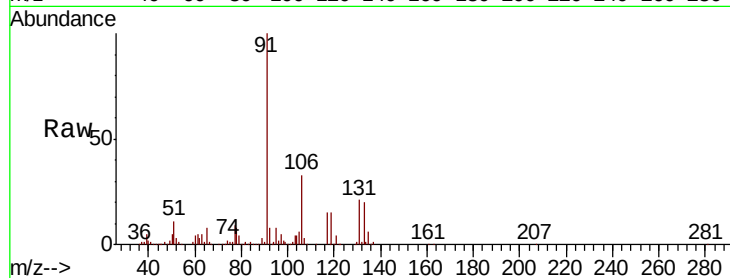
ClientSampled :

Tot Ion: 91 Resp: 434745

Ion Ratio Lower Upper

91 100

106 32.5 25.2 37.8



#68

m/p-Xylenes

Concen: 42.473 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065500.D

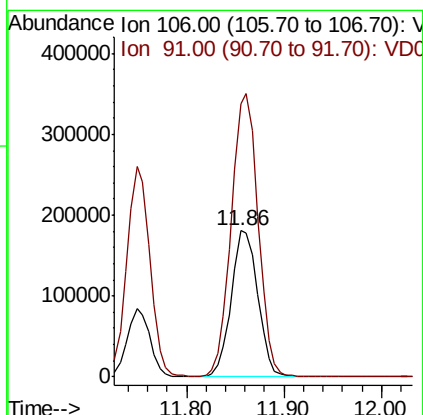
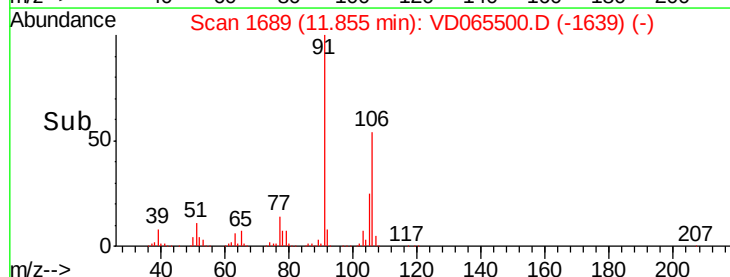
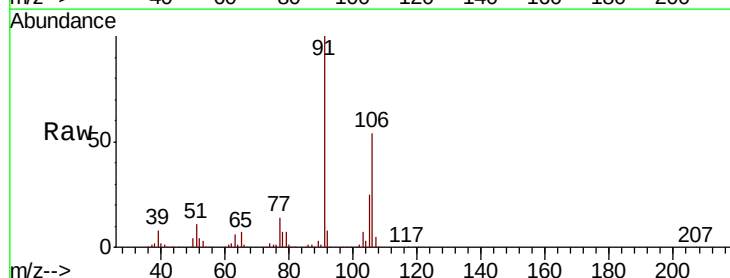
Acq: 13 Mar 2020 12:09

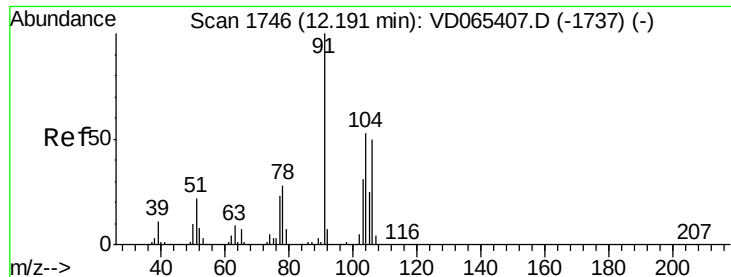
Tgt Ion: 106 Resp: 343363

Ion Ratio Lower Upper

106 100

91 195.7 155.9 233.9

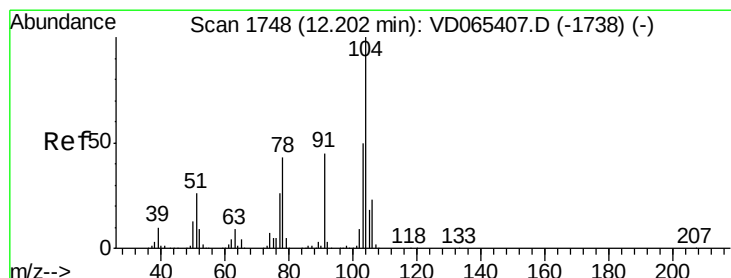
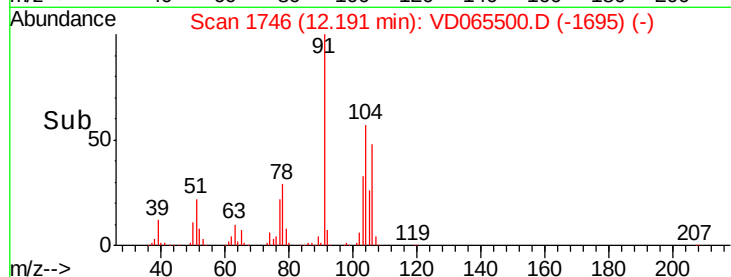
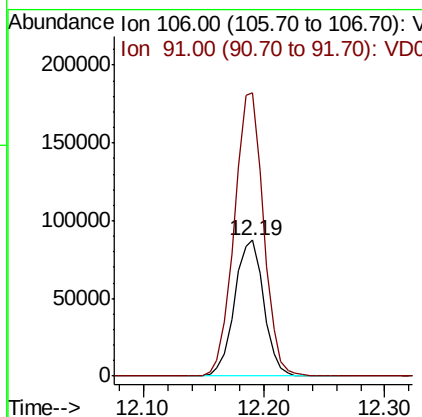
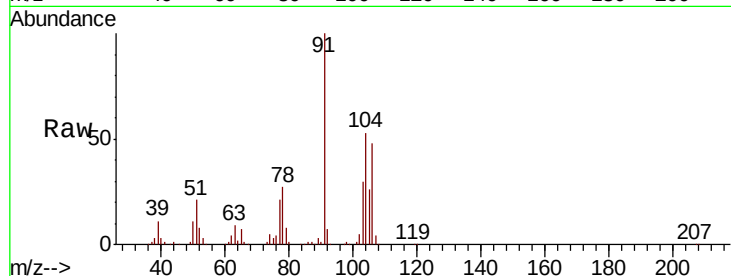




#69
o-Xylene
Concen: 20.850 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

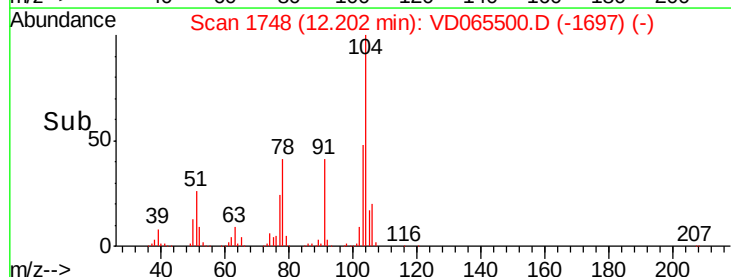
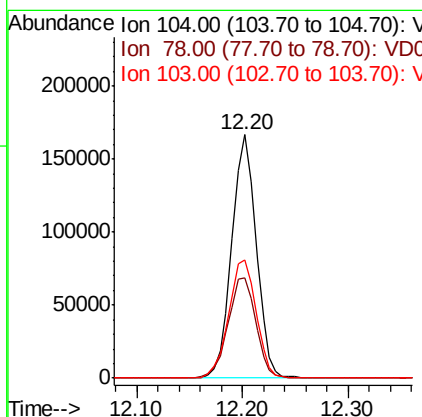
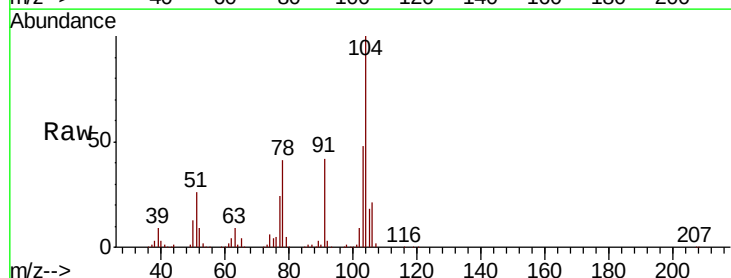
Instrument :
MSVOA_D
ClientSampled :

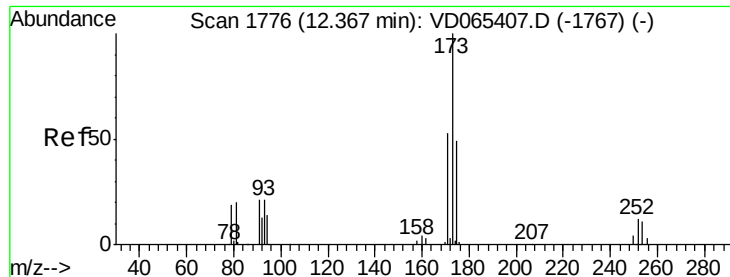
Tot Ion:106 Resp: 148271
Ion Ratio Lower Upper
106 100
91 208.2 103.5 310.3



#70
Styrene
Concen: 21.336 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion:104 Resp: 267031
Ion Ratio Lower Upper
104 100
78 46.8 37.7 56.5
103 54.5 43.6 65.4

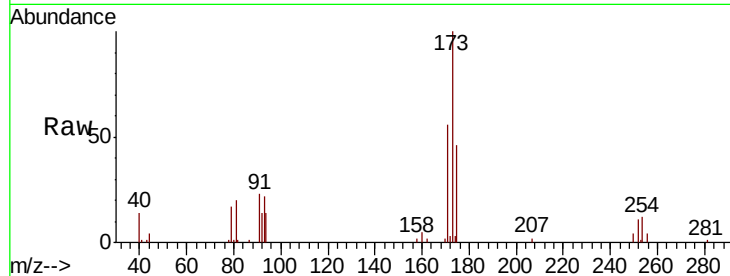




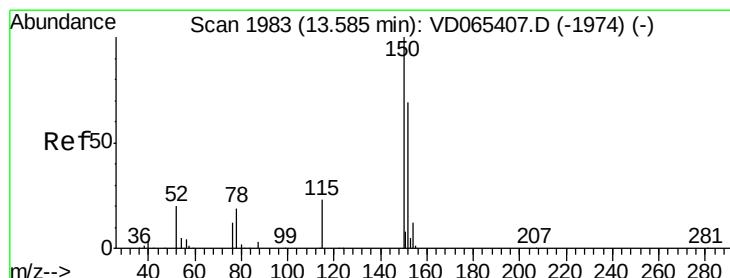
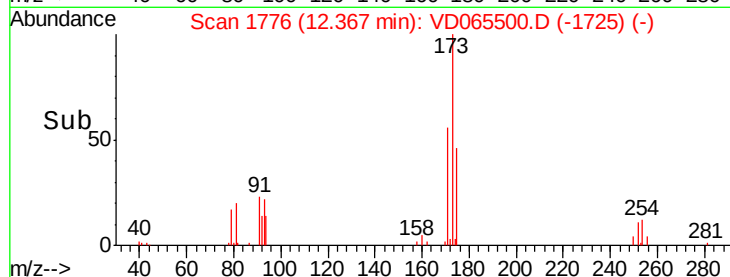
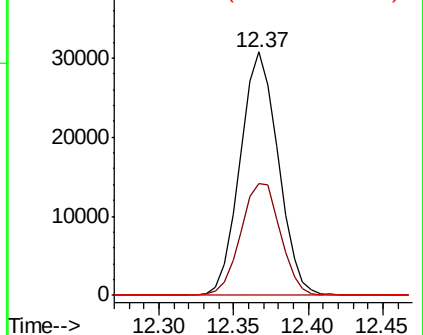
#71
Bromoform
Concen: 21.895 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 54350
Ion Ratio Lower Upper
173 100
175 48.0 24.3 73.0
254 0.0 0.1 0.1#

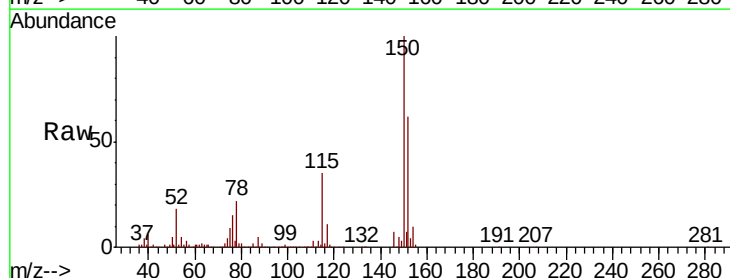


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

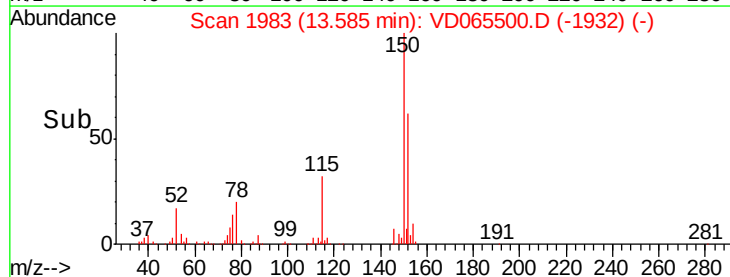
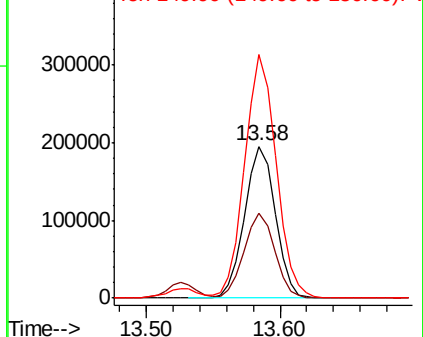


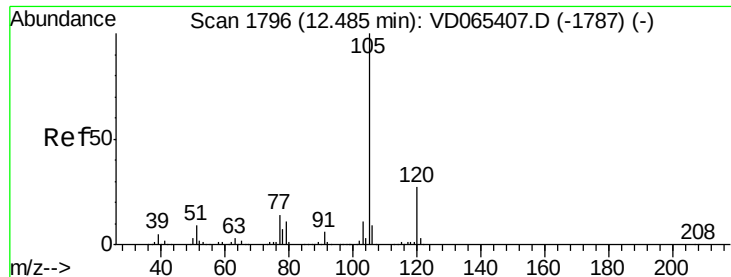
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion:152 Resp: 310923
Ion Ratio Lower Upper
152 100
115 55.7 27.6 82.8
150 164.5 0.0 345.0



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





#73

Isopropylbenzene

Concen: 19.718 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

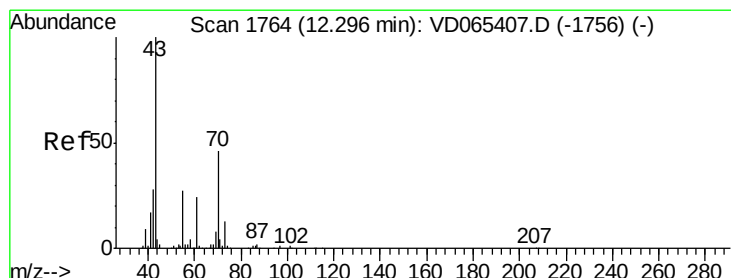
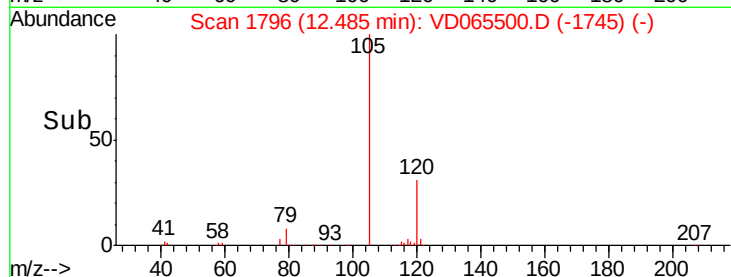
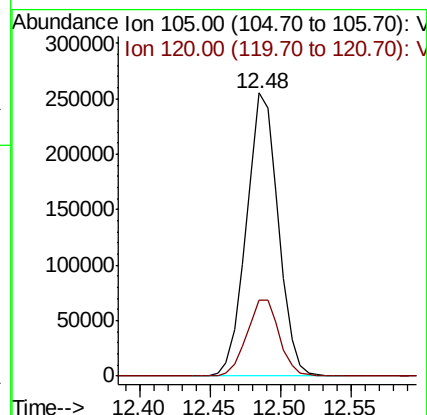
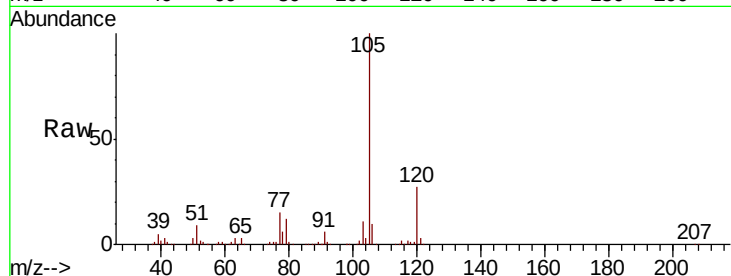
ClientSampled :

Tot Ion:105 Resp: 403243

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.4



#74

N-ethyl acetate

Concen: 19.741 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion: 43 Resp: 82653

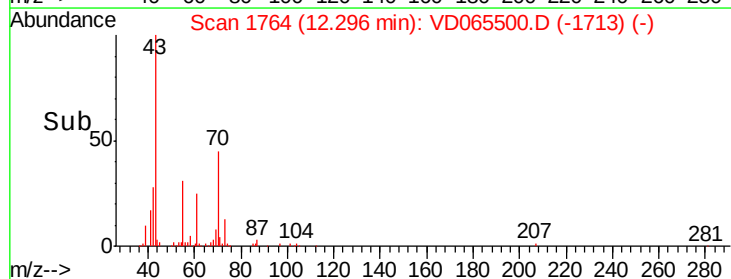
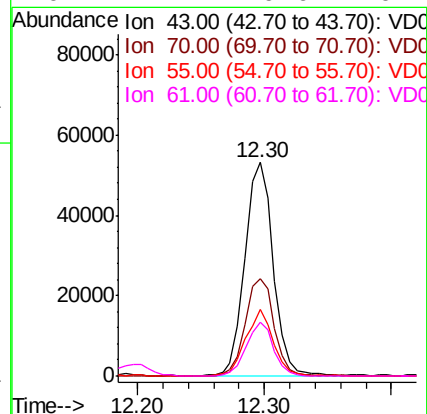
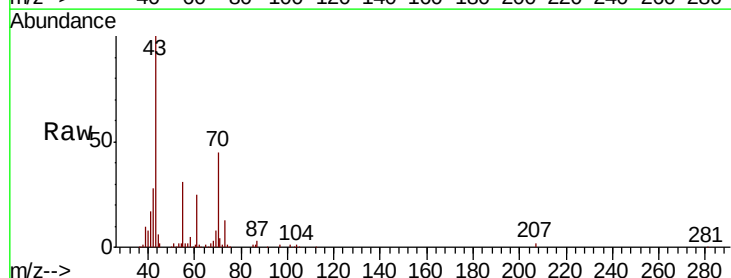
Ion Ratio Lower Upper

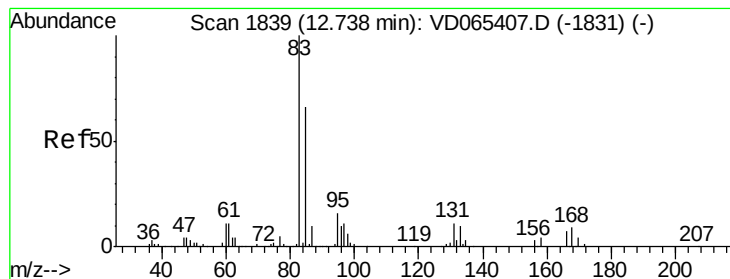
43 100

70 46.2 36.1 54.1

55 29.9 21.6 32.4

61 24.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.504 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampled :

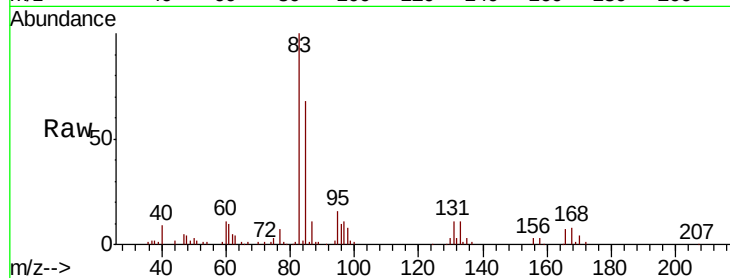
Tot Ion: 83 Resp: 73709

Ion Ratio Lower Upper

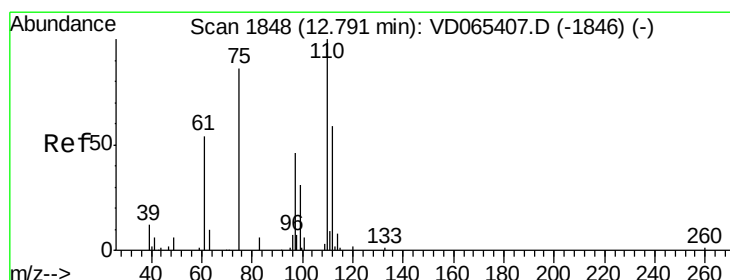
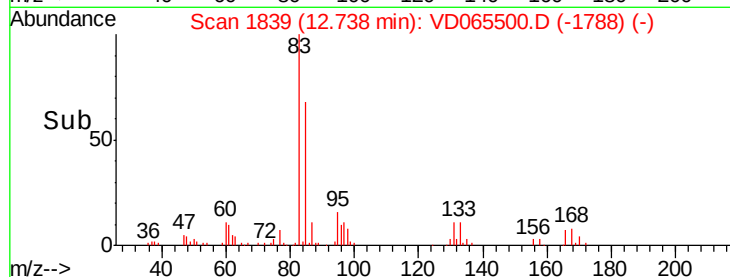
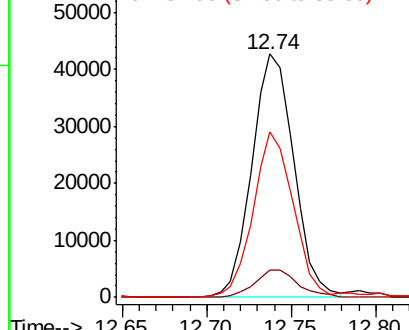
83 100

131 11.8 5.4 16.2

85 66.8 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: 38.522 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065500.D

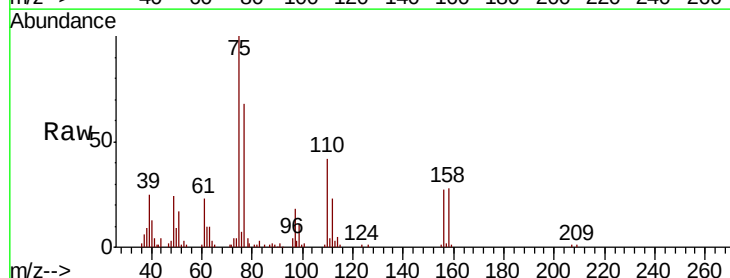
Acq: 13 Mar 2020 12:09

Tgt Ion: 75 Resp: 94512

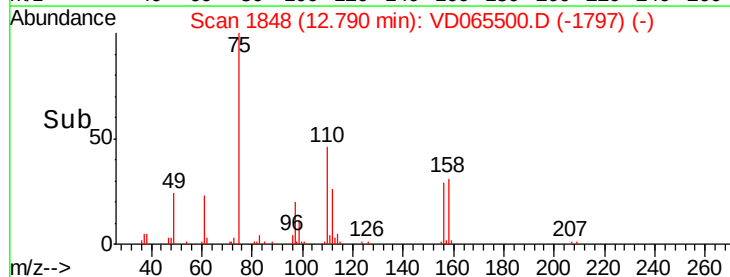
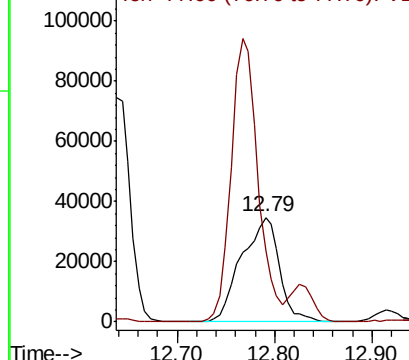
Ion Ratio Lower Upper

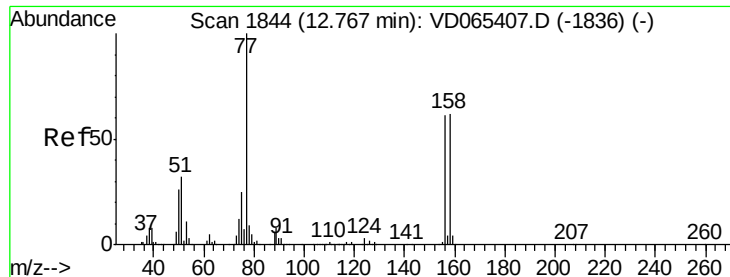
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.936 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

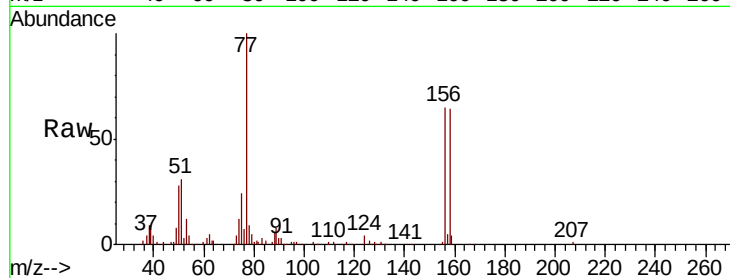
Tot Ion:156 Resp: 106375

Ion Ratio Lower Upper

156 100

77 169.7 84.9 254.6

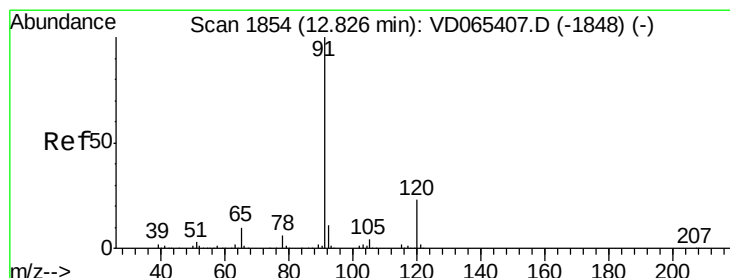
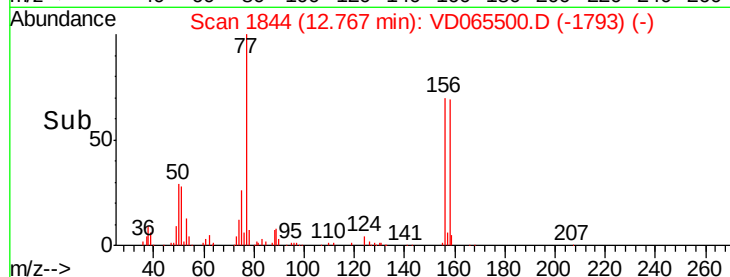
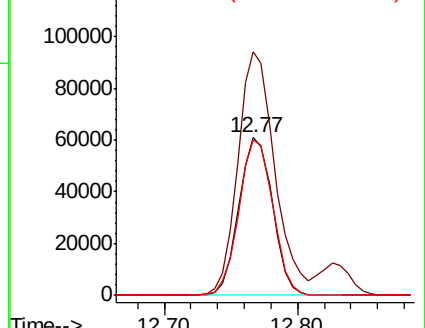
158 99.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.579 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065500.D

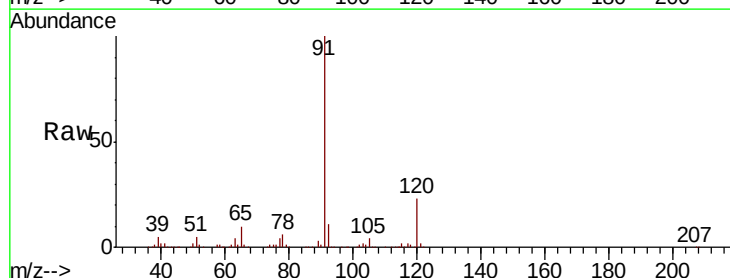
Acq: 13 Mar 2020 12:09

Tgt Ion: 91 Resp: 499356

Ion Ratio Lower Upper

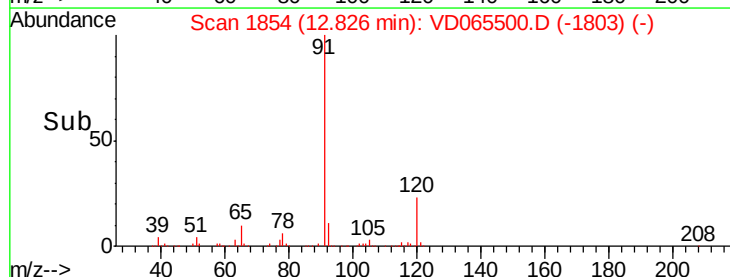
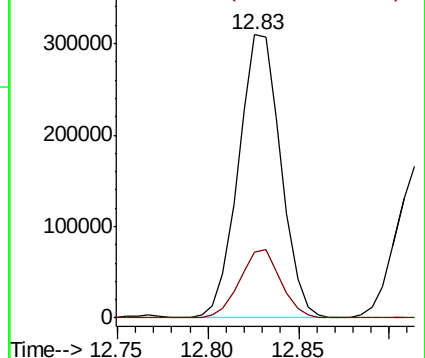
91 100

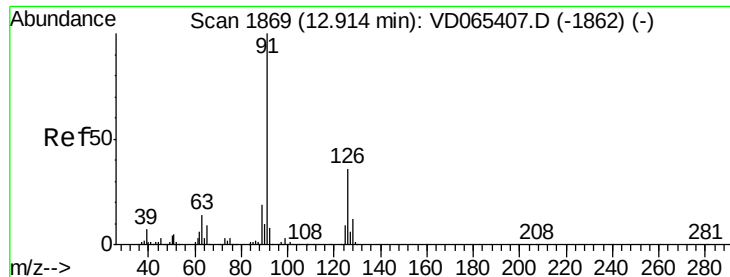
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

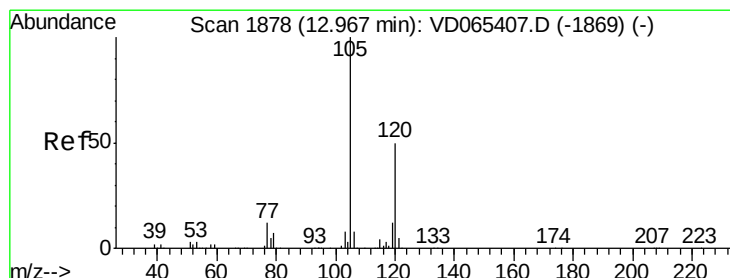
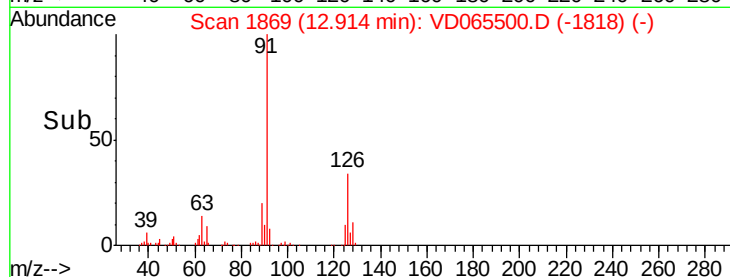
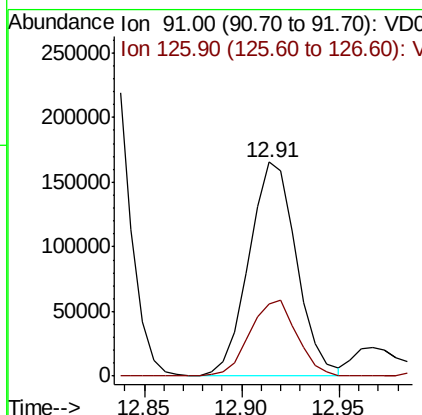
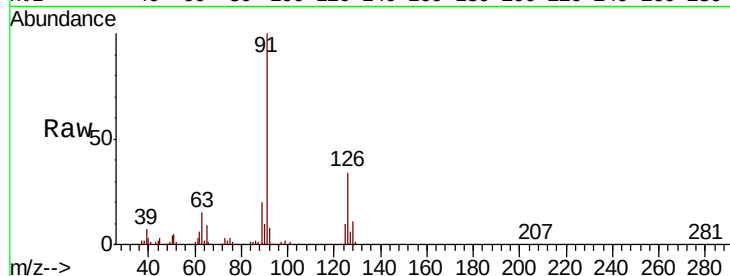




#79
 2-Chlorotoluene
 Concen: 20.343 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

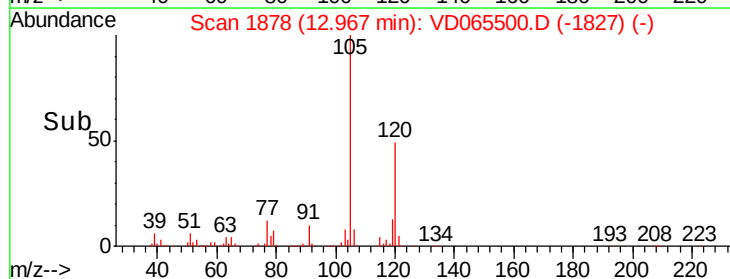
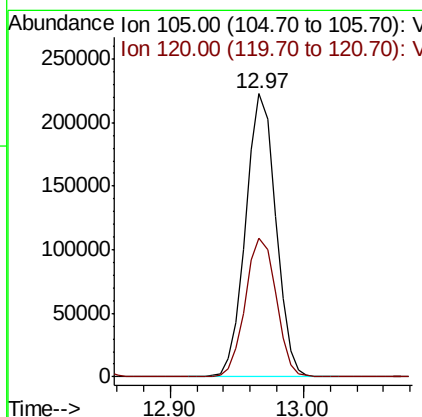
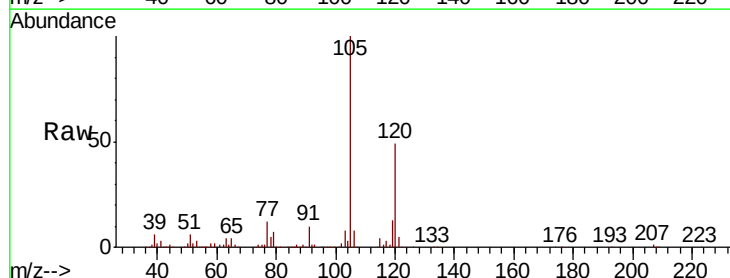
Instrument :
 MSVOA_D
 ClientSampleId :

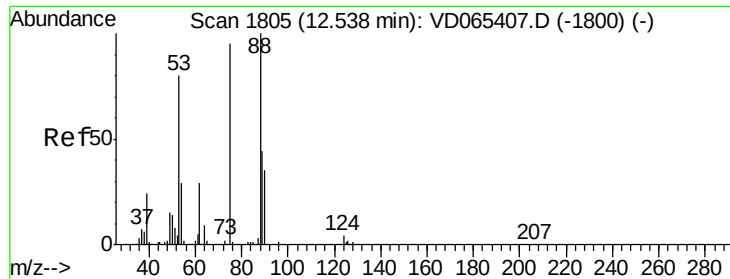
Tot Ion: 91 Resp: 278202
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.572 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion:105 Resp: 345884
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.438 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

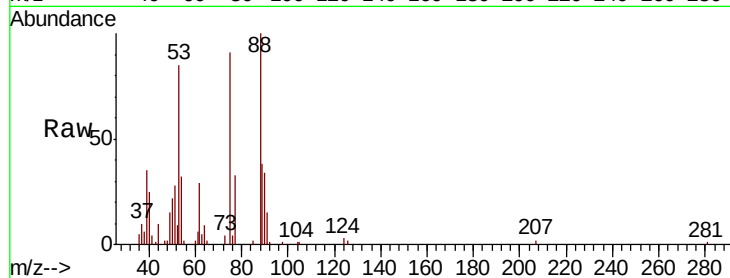
Tot Ion: 75 Resp: 22599

Ion Ratio Lower Upper

75 100

53 94.0 71.3 106.9

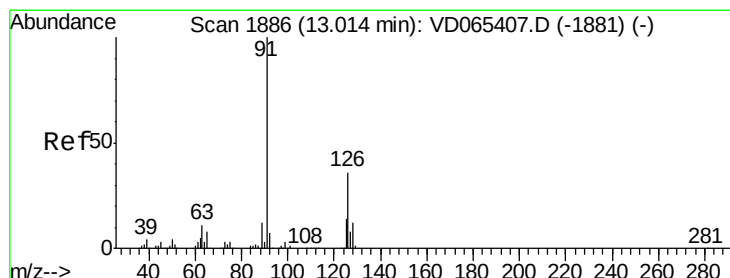
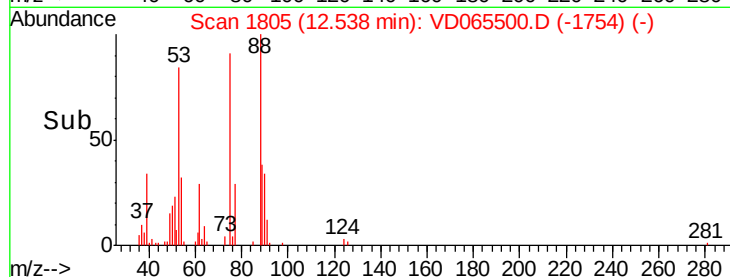
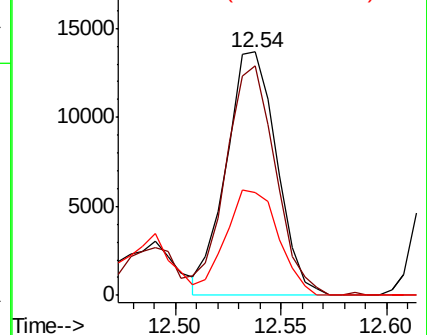
89 45.7 37.0 55.6



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: 21.054 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065500.D

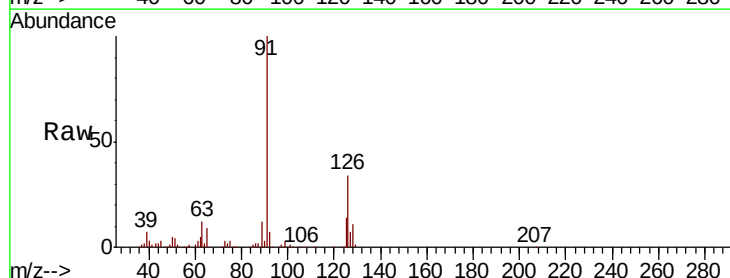
Acq: 13 Mar 2020 12:09

Tgt Ion: 91 Resp: 302563

Ion Ratio Lower Upper

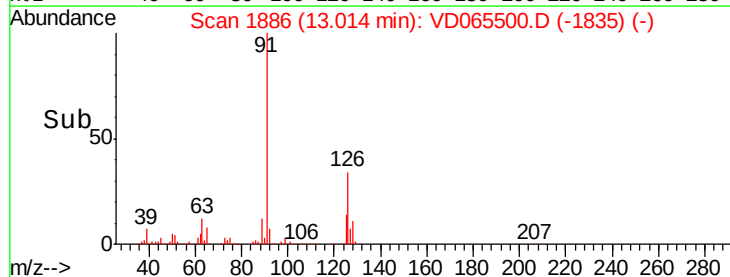
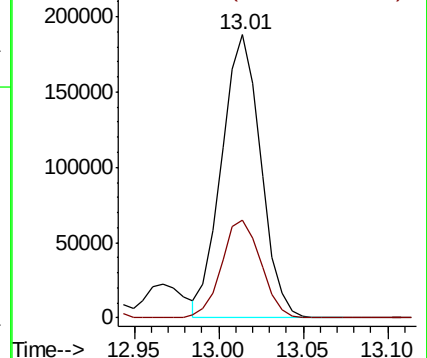
91 100

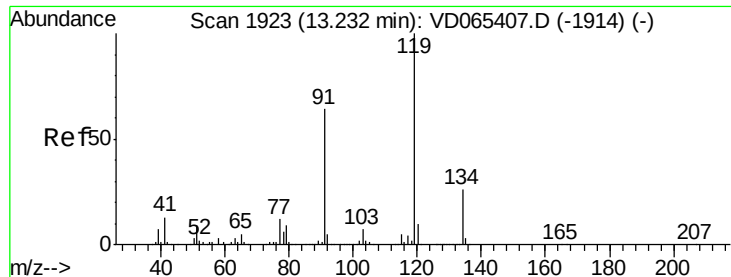
126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

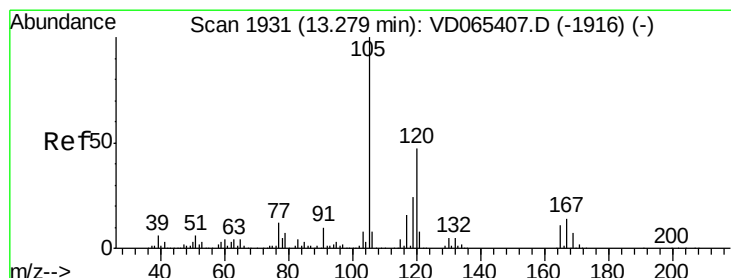
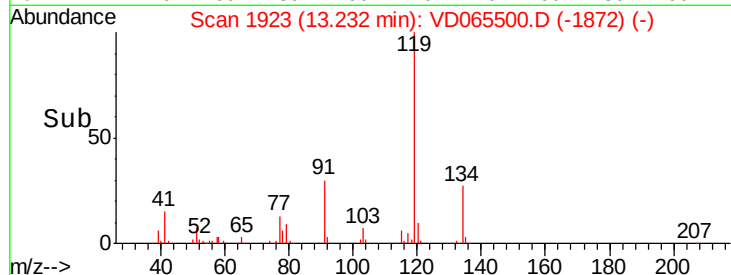
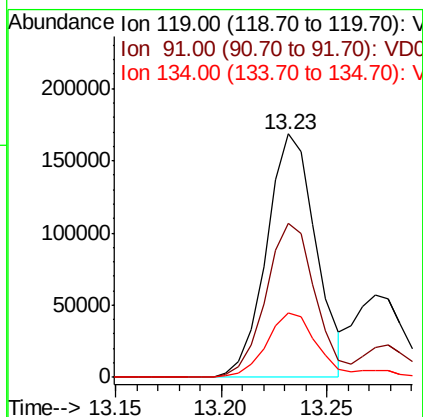
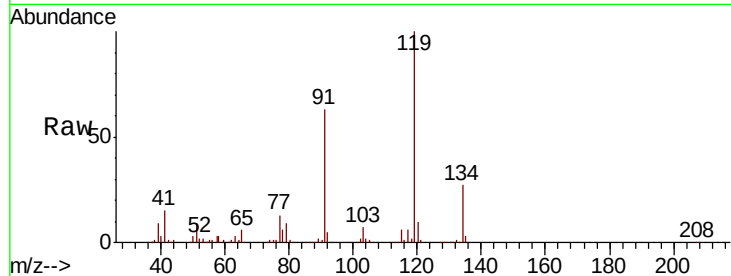




#83
tert-Butylbenzene
Concen: 19.275 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

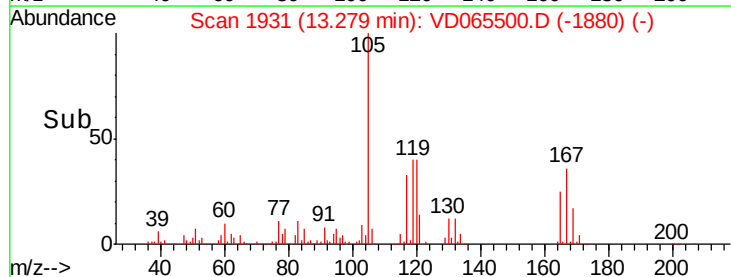
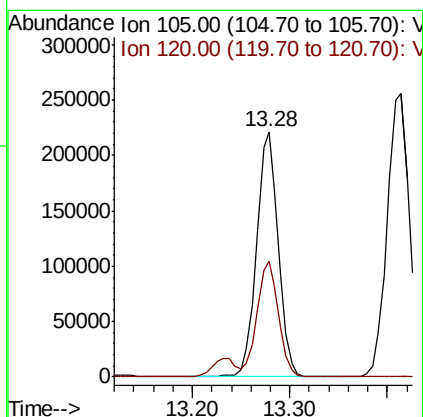
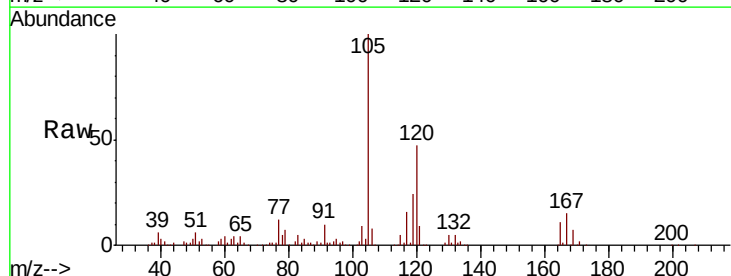
Instrument :
MSVOA_D
ClientSampled :

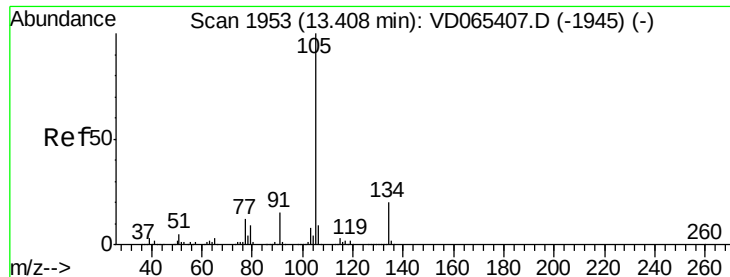
Tot Ion:119 Resp: 274165
Ion Ratio Lower Upper
119 100
91 63.8 31.6 95.0
134 29.0 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 20.894 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion:105 Resp: 346273
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.041 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

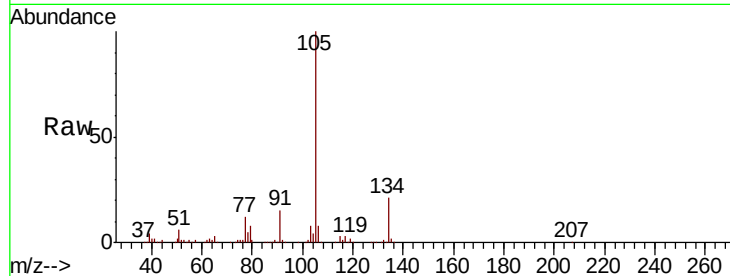
ClientSampled :

Tot Ion:105 Resp: 406892

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

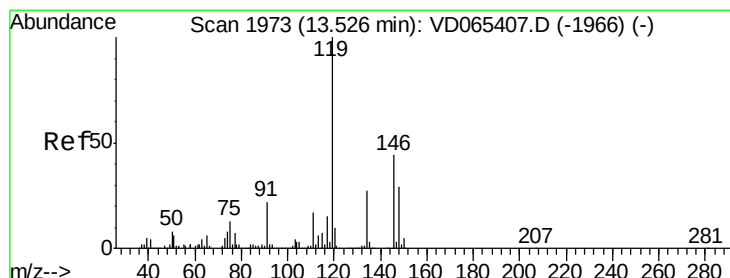
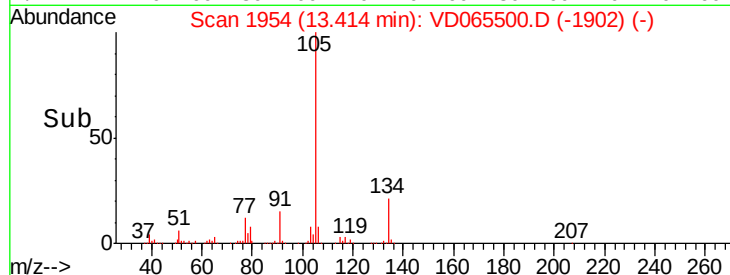
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.383 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

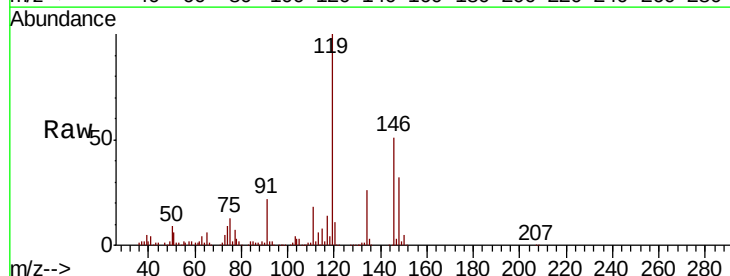
Tgt Ion:119 Resp: 377624

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.1 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

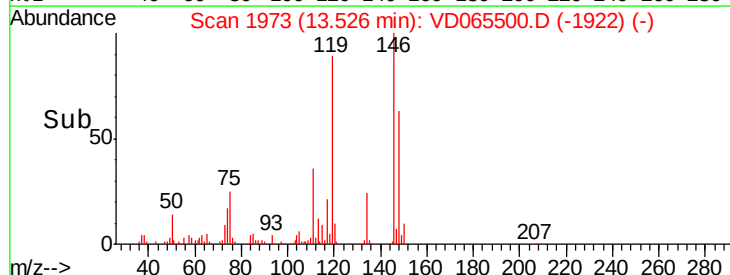
300000

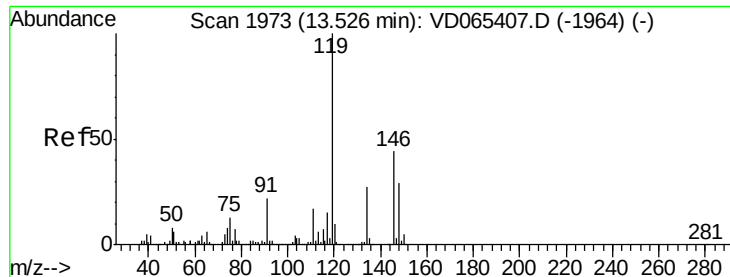
200000

100000

0

Time-->

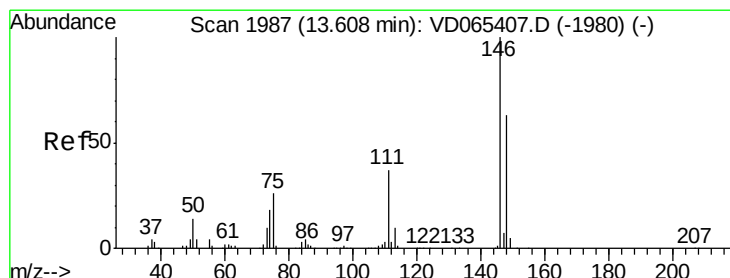
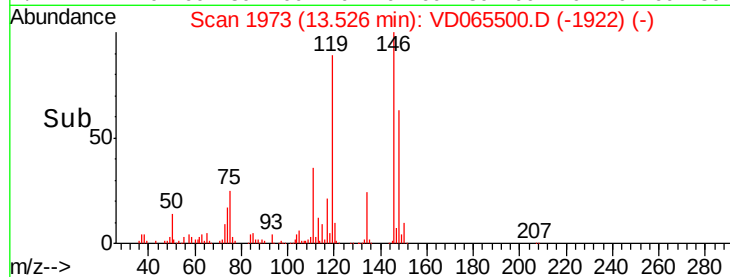
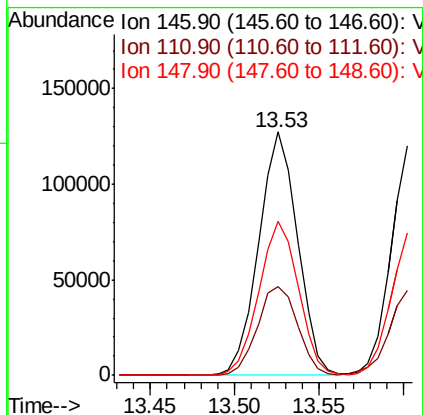
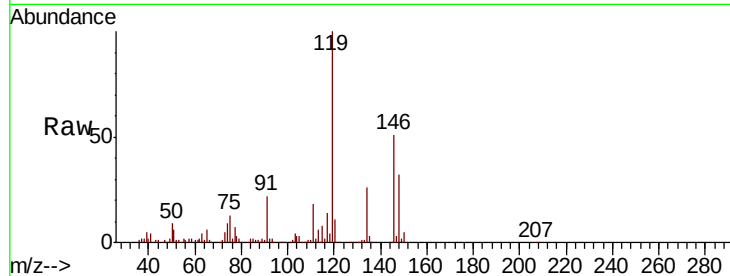




#87
 1,3-Dichlorobenzene
 Concen: 20.759 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

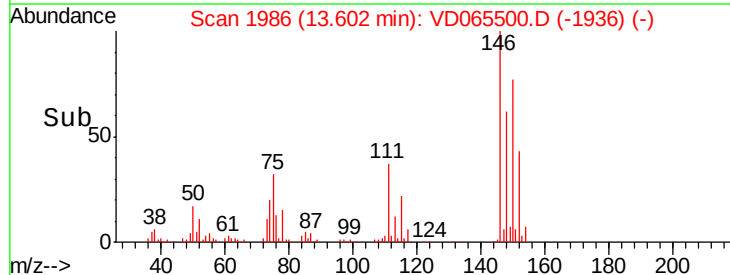
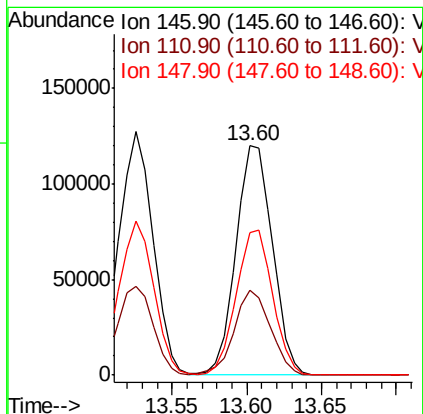
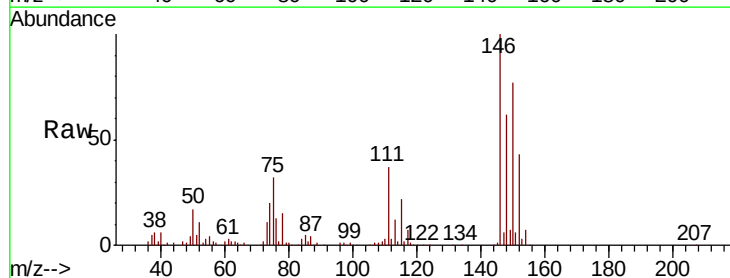
Instrument :
 MSVOA_D
 ClientSampleId :

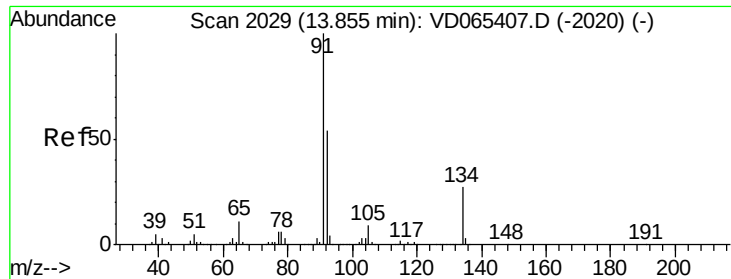
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.3	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.042 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	63.1	32.0	96.0

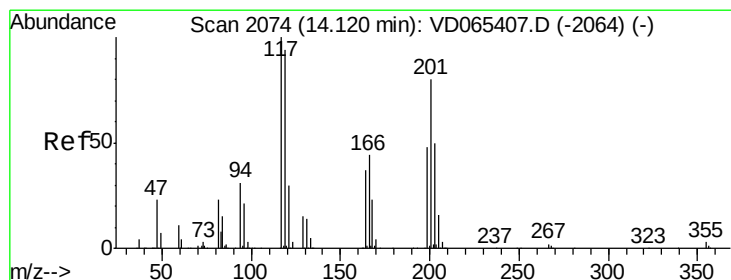
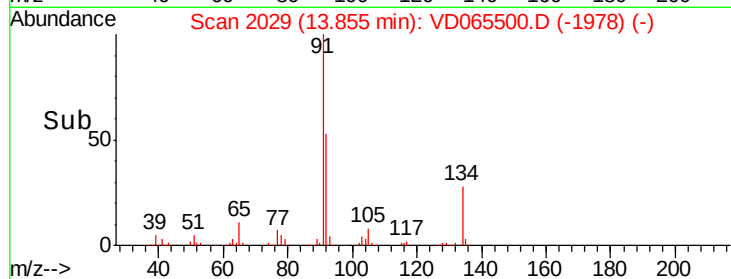
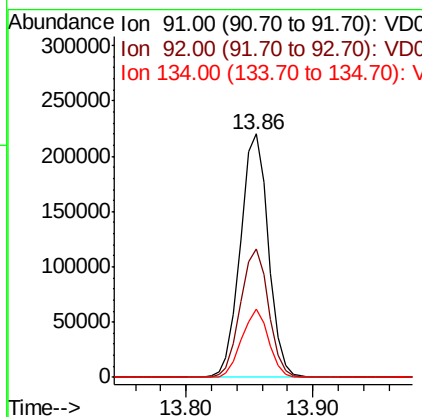
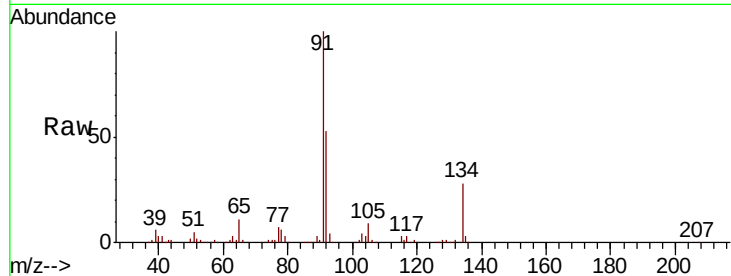




#89
n-Butylbenzene
Concen: 19.638 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

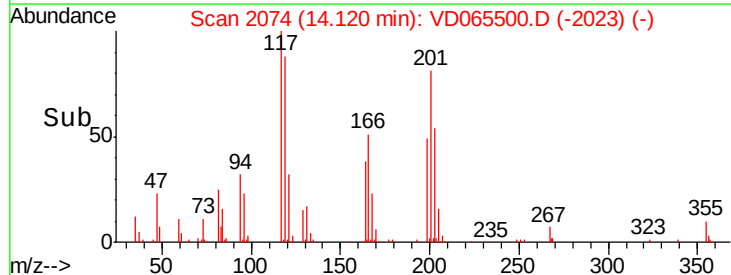
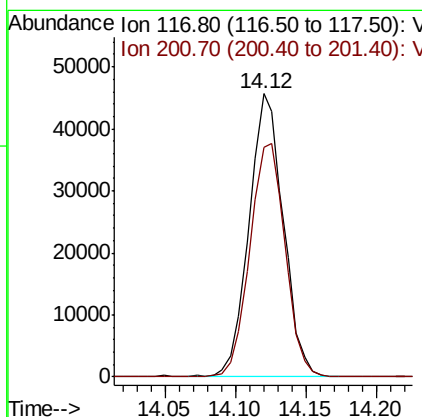
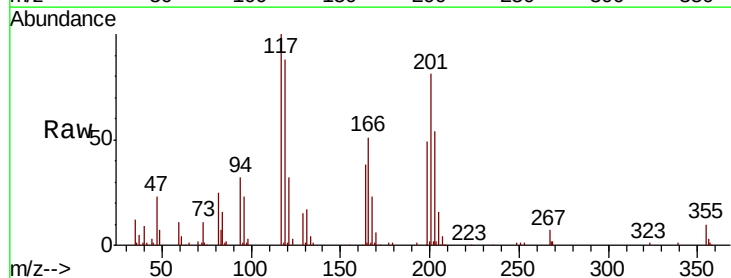
Instrument :
MSVOA_D
ClientSampled :

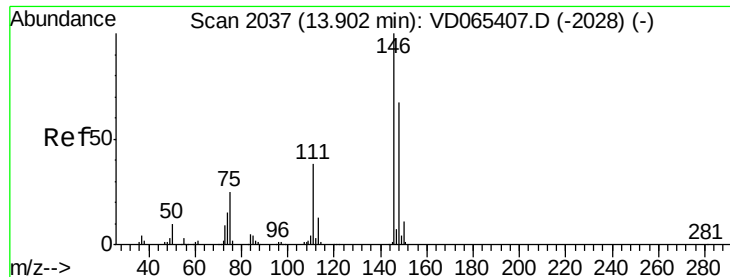
Tot Ion: 91 Resp: 336366
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.4
134 27.0 13.4 40.2



#90
Hexachloroethane
Concen: 20.404 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 117 Resp: 77847
Ion Ratio Lower Upper
117 100
201 85.0 41.9 125.6

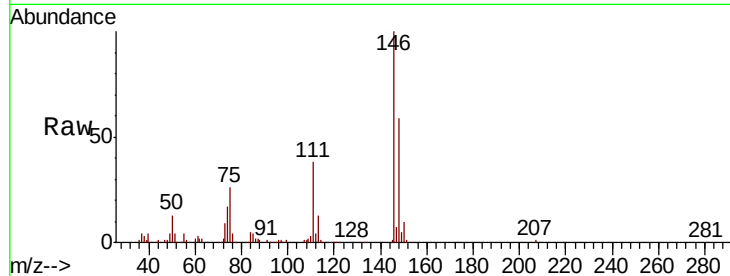




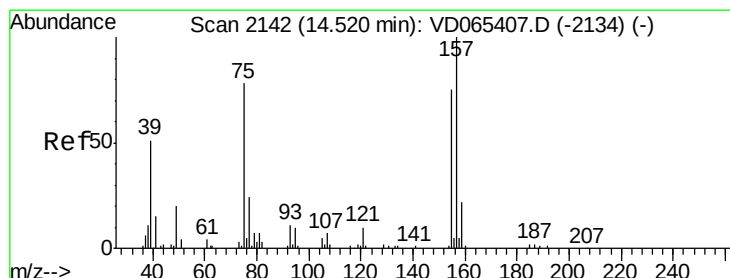
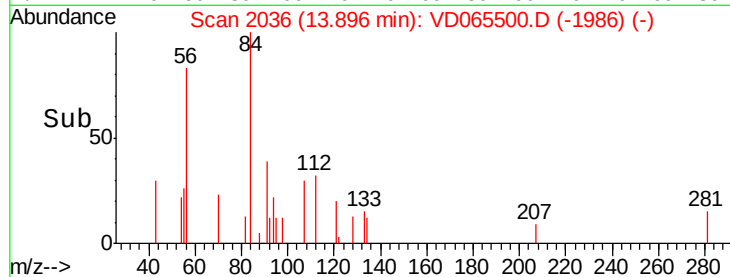
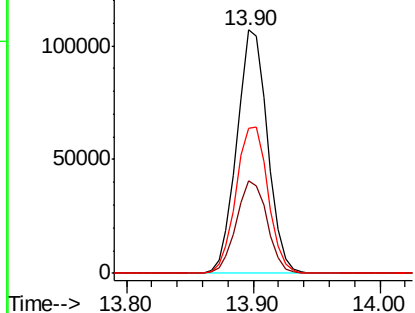
#91
 1,2-Dichlorobenzene
 Concen: 21.563 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.8	59.3
148	62.6	32.6	97.8

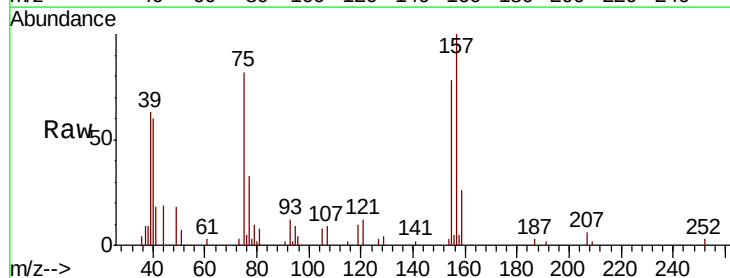


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

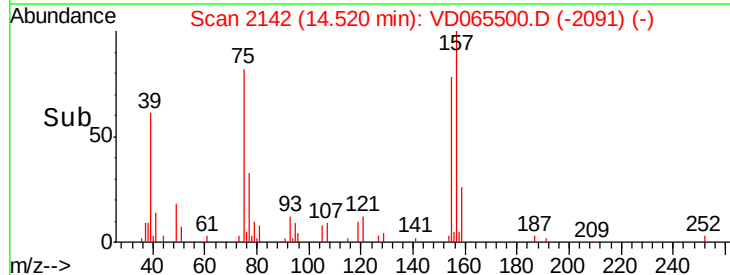
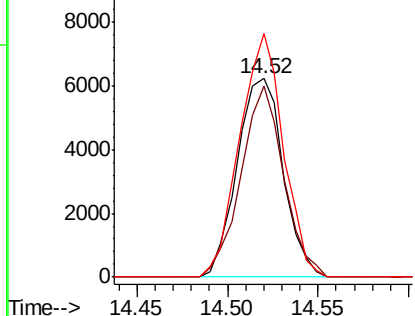


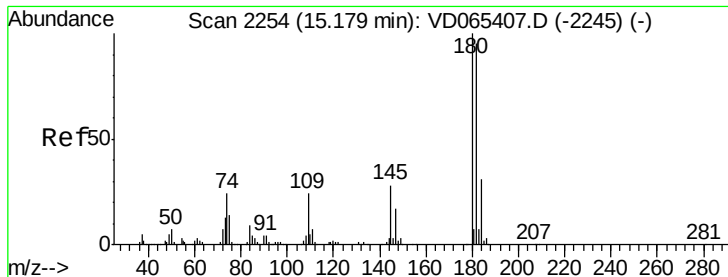
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.107 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	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

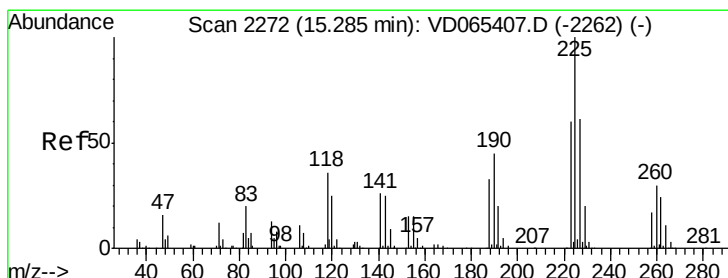
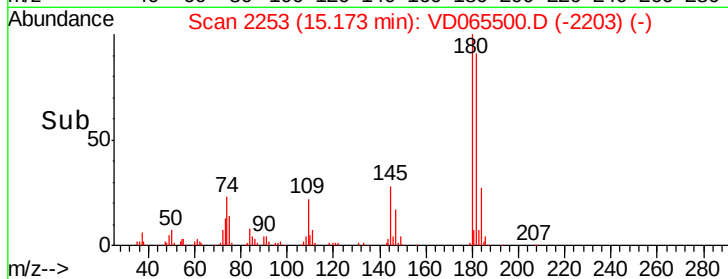
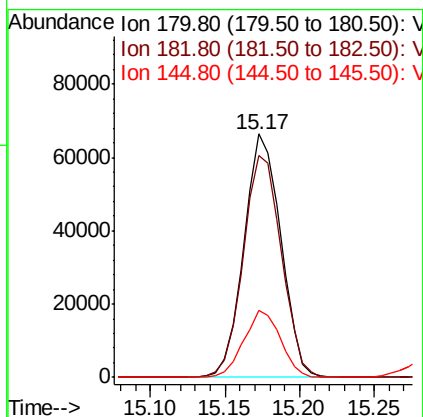
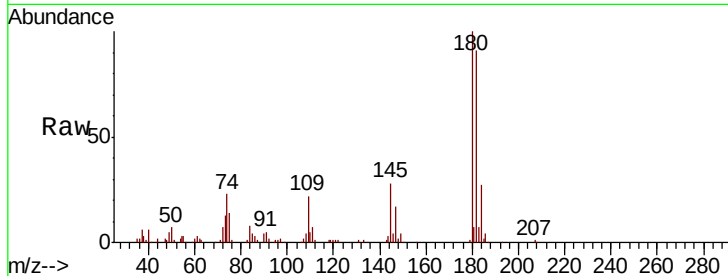




#93
 1,2,4-Trichlorobenzene
 Concen: 20.131 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

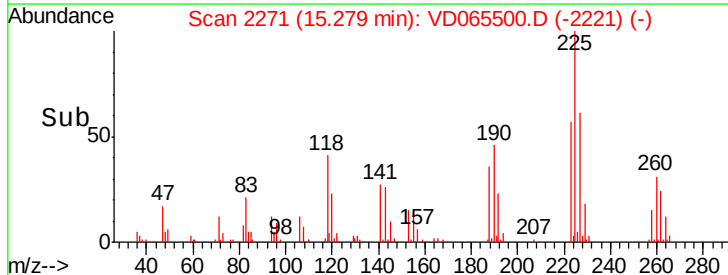
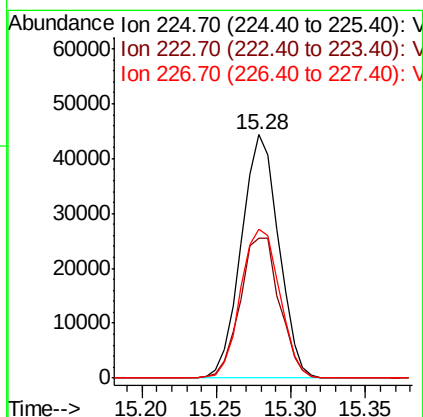
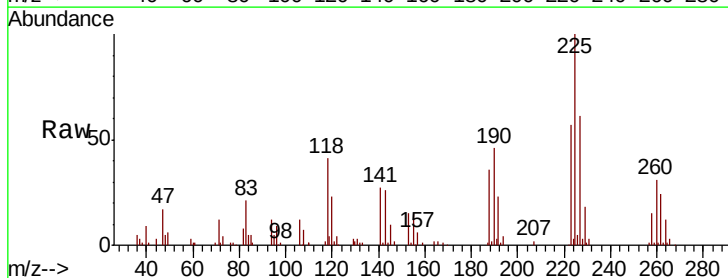
Instrument :
 MSVOA_D
 ClientSampled :

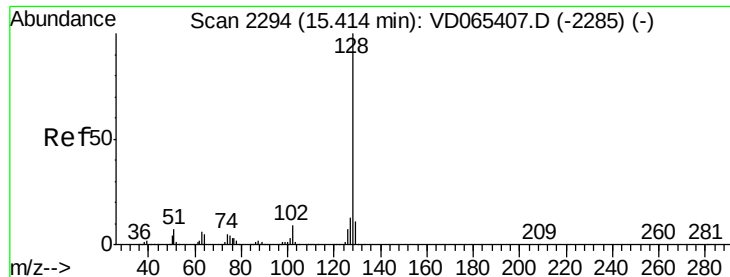
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.3	144.9
145	27.4	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 20.834 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.9	92.5
227	64.1	31.6	94.7

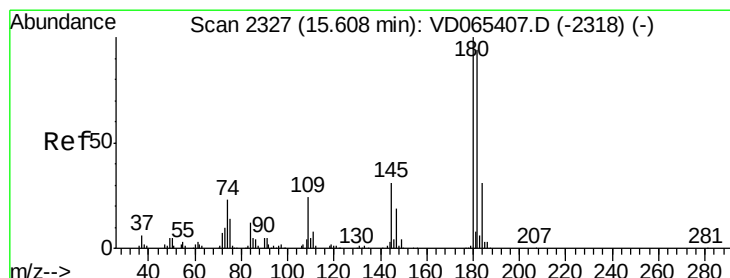
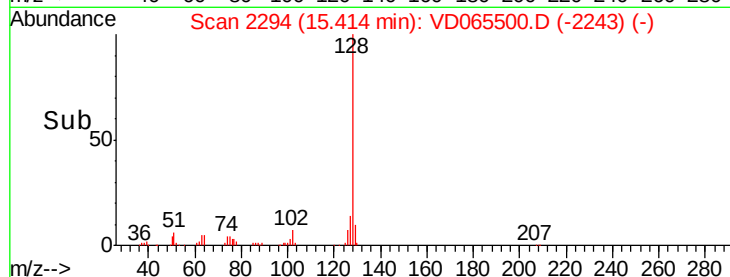
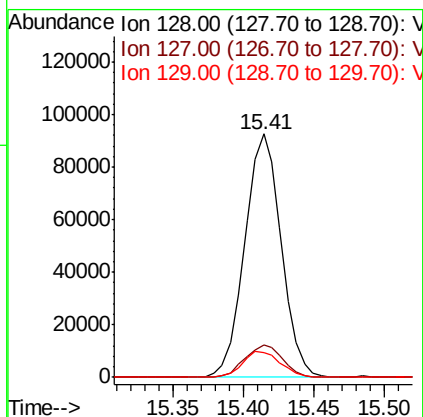
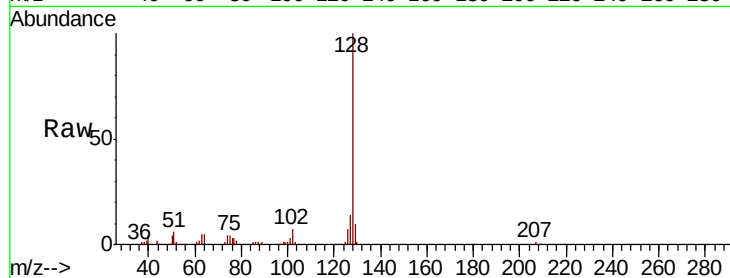




#95
Naphthalene
Concen: 19.649 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 167853
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.338 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion:180 Resp: 99020
Ion Ratio Lower Upper
180 100
182 95.1 46.9 140.6
145 30.2 15.0 45.1

