

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042420\
 Data File : VD065676.D
 Acq On : 24 Apr 2020 14:27
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 24 14:42:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 14:27:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	219899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	286422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	284518	128.58	ug/l	0.00
Spiked Amount			Recovery	=	257.16%	
35) Dibromofluoromethane	7.92	113	270183	137.86	ug/l	0.00
Spiked Amount			Recovery	=	275.72%	
50) Toluene-d8	10.34	98	1041138	150.26	ug/l	0.00
Spiked Amount			Recovery	=	300.52%	
62) 4-Bromofluorobenzene	12.64	95	345882	153.47	ug/l	0.00
Spiked Amount			Recovery	=	306.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	279168	140.015	ug/l	98
3) Chloromethane	2.21	50	334357	137.164	ug/l	100
4) Vinyl Chloride	2.35	62	362298	134.211	ug/l	97
5) Bromomethane	2.74	94	202046	124.860	ug/l	99
6) Chloroethane	2.91	64	212175	130.469	ug/l	98
7) Trichlorofluoromethane	3.27	101	476035	127.095	ug/l	95
8) Diethyl Ether	3.71	74	146025	133.340	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	276439	123.934	ug/l	99
10) Methyl Iodide	4.29	142	294934	183.523	ug/l	99
11) Tert butyl alcohol	5.27	59	77051	771.230	ug/l	98
12) 1,1-Dichloroethene	4.05	96	271954	123.213	ug/l	95
13) Acrolein	3.92	56	108596	680.503	ug/l	98
14) Allyl chloride	4.70	41	453259	151.511	ug/l	96
15) Acrylonitrile	5.43	53	327927	794.444	ug/l	99
16) Acetone	4.16	43	281731	552.379	ug/l	98
17) Carbon Disulfide	4.39	76	796152	134.931	ug/l	100
18) Methyl Acetate	4.72	43	155985	138.066	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	661760	175.759	ug/l	99
20) Methylene Chloride	4.96	84	268440	120.923	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	324795	154.469	ug/l	97
22) Diisopropyl ether	6.37	45	986326	159.451	ug/l	99
23) Vinyl Acetate	6.31	43	2922545	867.682	ug/l	98
24) 1,1-Dichloroethane	6.26	63	555282	139.553	ug/l	99
25) 2-Butanone	7.23	43	446300	782.769	ug/l	100
26) 2,2-Dichloropropane	7.21	77	506237	137.288	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	349808	153.661	ug/l	98
28) Bromochloromethane	7.55	49	209602	130.117	ug/l	100
29) Tetrahydrofuran	7.57	42	282111	819.096	ug/l	98
30) Chloroform	7.71	83	562500	133.439	ug/l	99
31) Cyclohexane	7.98	56	532524	140.865	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	520503	135.293	ug/l	99
36) 1,1-Dichloropropene	8.11	75	464621	151.874	ug/l	99
37) Ethyl Acetate	7.30	43	200948	165.338	ug/l	99
38) Carbon Tetrachloride	8.10	117	486847	140.575	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	571511	174.476	ug/l	98
40) Benzene	8.35	78	1298235	154.203	ug/l	100
41) Methacrylonitrile	7.53	41	110429	167.684	ug/l #	97
42) 1,2-Dichloroethane	8.43	62	379934	145.386	ug/l	98
43) Isopropyl Acetate	8.46	43	378908	170.070	ug/l	99
44) Trichloroethene	9.11	130	343936	146.298	ug/l	99
45) 1,2-Dichloropropane	9.39	63	318692	149.520	ug/l	97
46) Dibromomethane	9.48	93	165402	149.536	ug/l	98
47) Bromodichloromethane	9.67	83	439744	145.779	ug/l	100
48) Methyl methacrylate	9.46	41	185057	170.988	ug/l	97
49) 1,4-Dioxane	9.47	88	40554	3392.510	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	974851	847.546	ug/l	98
52) Toluene	10.41	92	848731	164.107	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	434654	165.666	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	507281	160.812	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	221861	143.847	ug/l	96
56) Ethyl methacrylate	10.67	69	303496	195.956	ug/l	94
57) 1,3-Dichloropropane	10.95	76	388191	149.998	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	691825	878.482	ug/l	100
59) 2-Hexanone	10.99	43	681748	867.643	ug/l	97
60) Dibromochloromethane	11.14	129	305637	148.243	ug/l	98
61) 1,2-Dibromoethane	11.25	107	219206	153.148	ug/l	97
64) Tetrachloroethene	10.88	164	294878	135.875	ug/l	97
65) Chlorobenzene	11.68	112	875106	145.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	338384	145.100	ug/l	97
67) Ethyl Benzene	11.75	91	1627903	161.961	ug/l	100
68) m/p-Xylenes	11.86	106	1254033	320.499	ug/l	95
69) o-Xylene	12.18	106	564705	169.744	ug/l	94
70) Styrene	12.20	104	1007089	167.388	ug/l	99
71) Bromoform	12.37	173	182857	140.264	ug/l #	100
73) Isopropylbenzene	12.48	105	1506779	167.935	ug/l	99
74) N-amyl acetate	12.30	43	358294	176.402	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	236645	137.832	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	336842	285.834	ug/l #	100
77) Bromobenzene	12.77	156	360692	150.242	ug/l	98
78) n-propylbenzene	12.83	91	1786930	160.383	ug/l	99
79) 2-Chlorotoluene	12.91	91	999289	156.643	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1273250	166.363	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	86805	160.157	ug/l	97
82) 4-Chlorotoluene	13.01	91	1060699	153.646	ug/l	98
83) tert-Butylbenzene	13.23	119	1079455	173.661	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1293878	170.040	ug/l	100
85) sec-Butylbenzene	13.41	105	1512902	166.940	ug/l	99
86) p-Isopropyltoluene	13.53	119	1435891	168.585	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	705596	148.794	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	688288	144.859	ug/l	99
89) n-Butylbenzene	13.86	91	1311127	166.926	ug/l	97
90) Hexachloroethane	14.13	117	266512	139.671	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	601707	147.381	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	40944	150.368	ug/l	97

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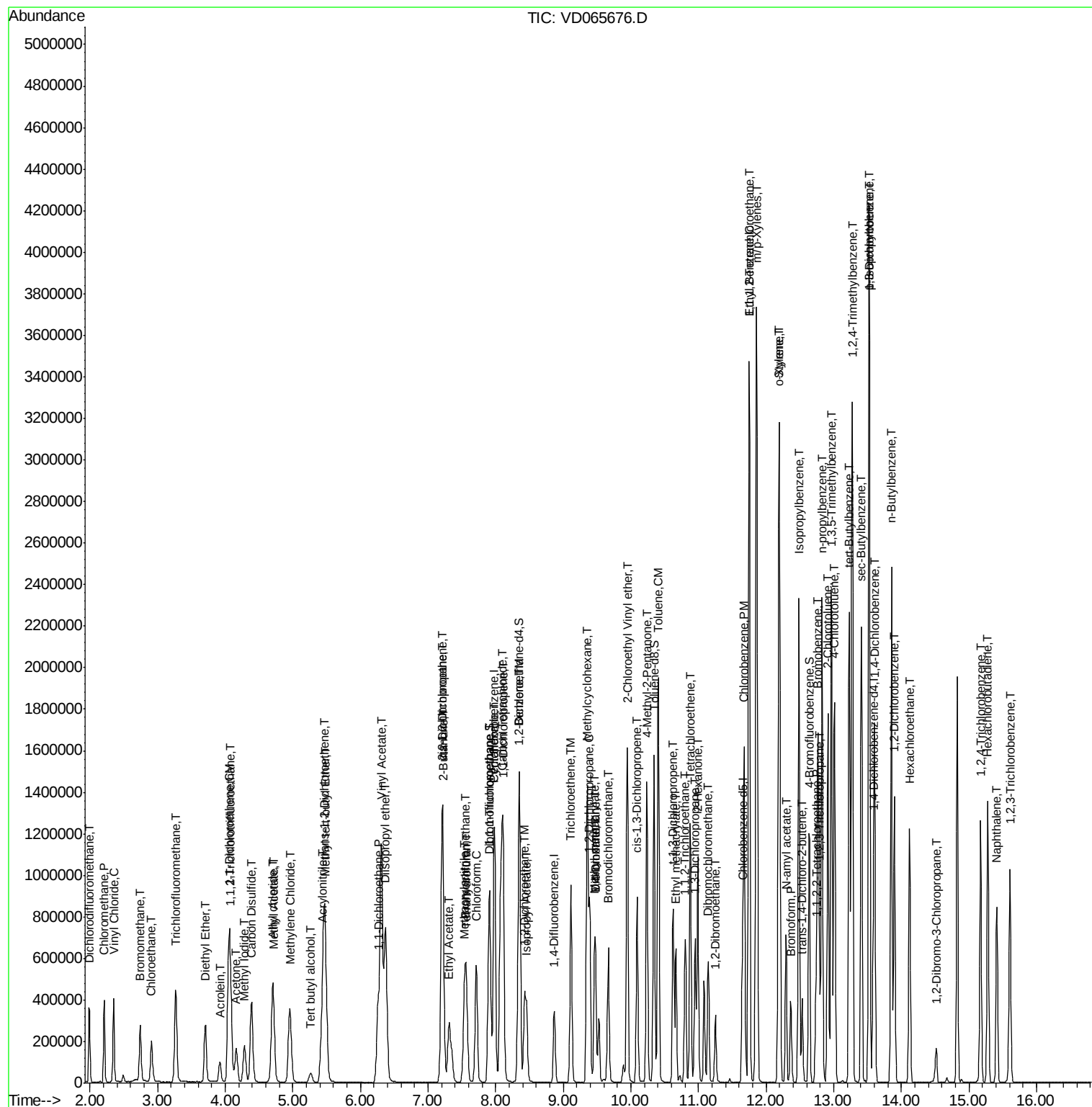
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	439676	167.687	ug/l	99
94) Hexachlorobutadiene	15.28	225	285466	144.896	ug/l	99
95) Naphthalene	15.41	128	726296	191.628	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	380833	162.669	ug/l	100

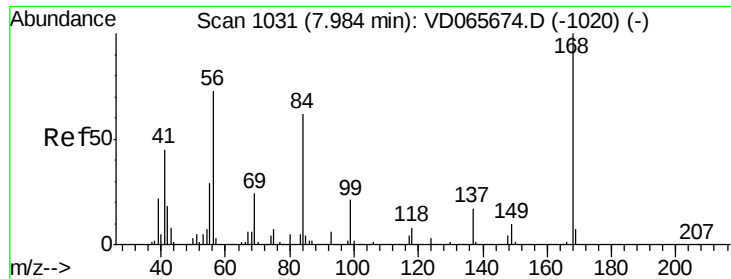
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

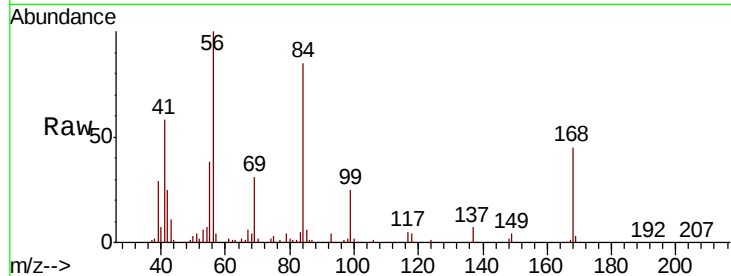
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 219899

Ion Ratio Lower Upper

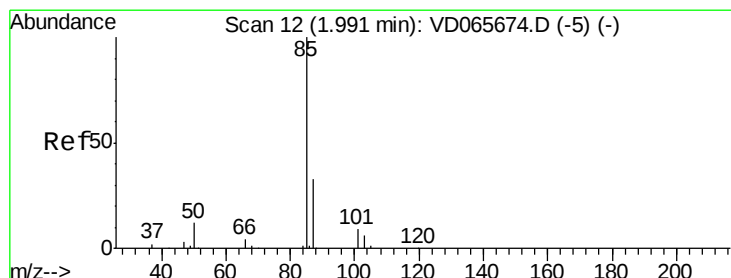
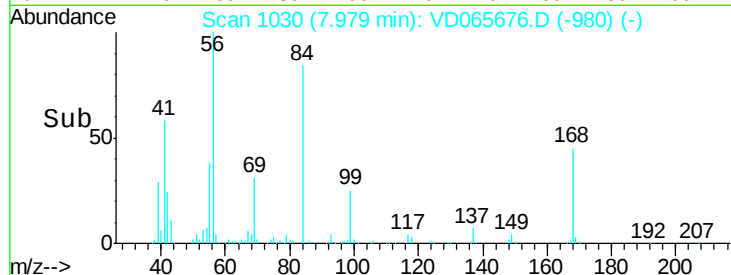
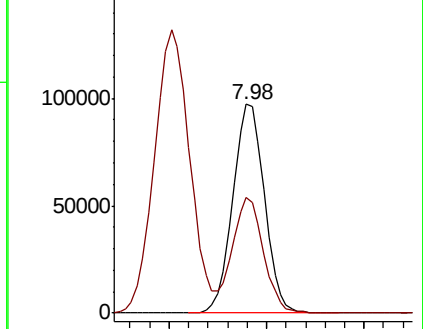
168 100

99 54.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 140.015 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065676.D

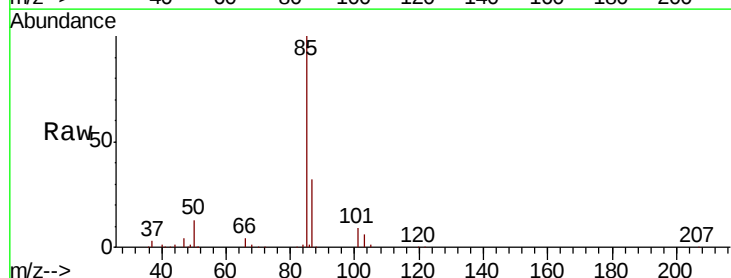
Acq: 24 Apr 2020 14:27

Tgt Ion: 85 Resp: 279168

Ion Ratio Lower Upper

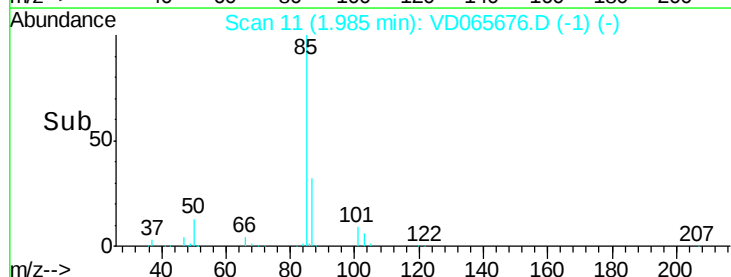
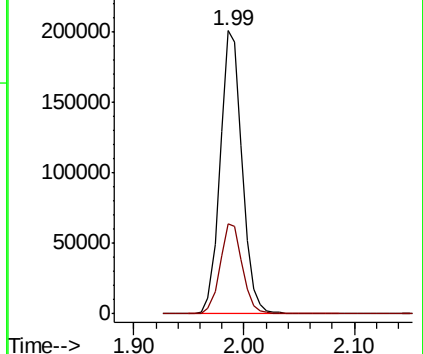
85 100

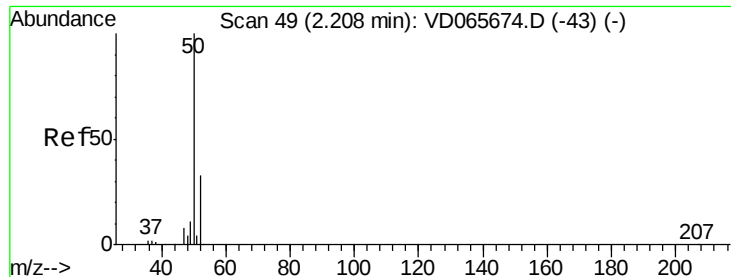
87 31.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 137.164 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

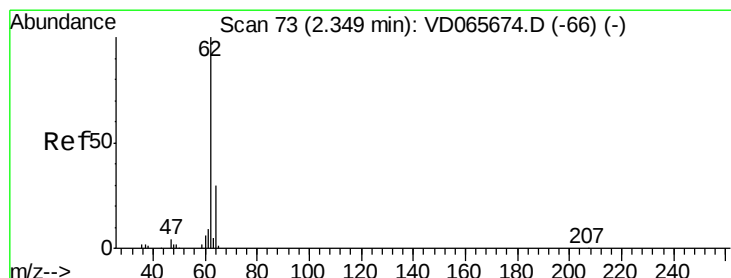
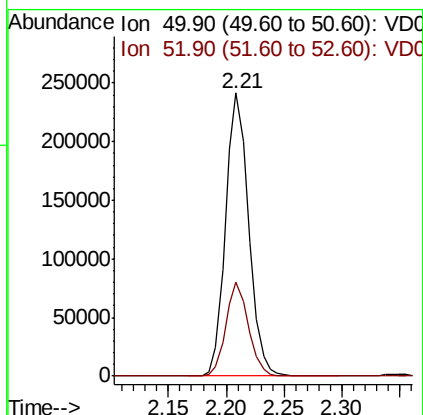
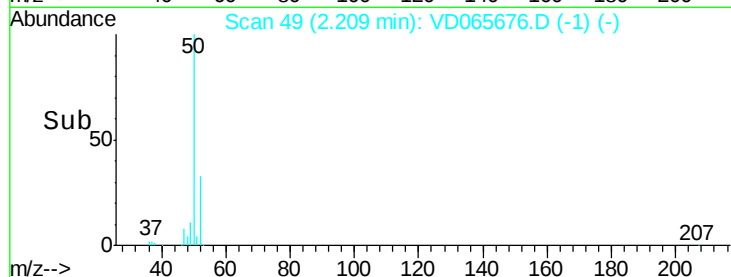
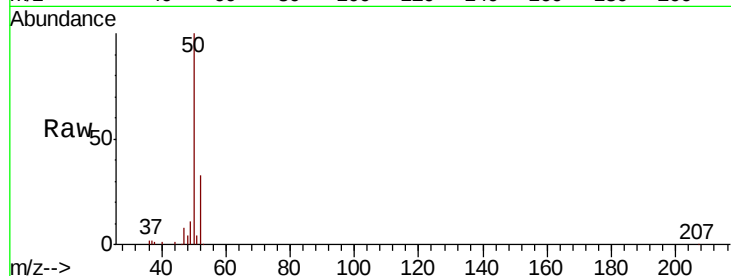
ClientSampleId :

Tot Ion: 50 Resp: 334357

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 134.211 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065676.D

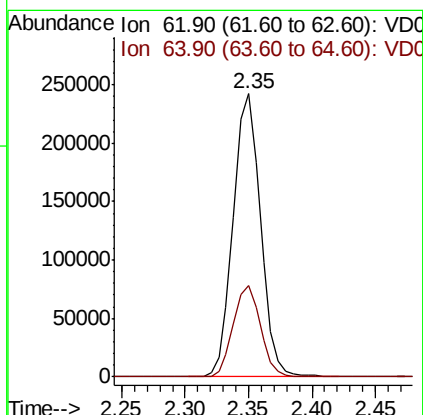
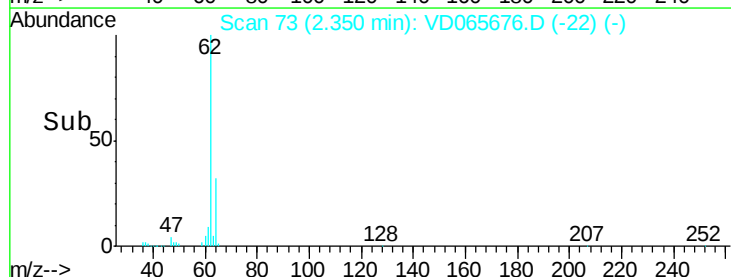
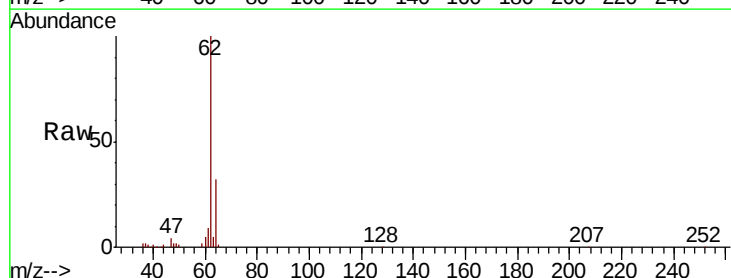
Acq: 24 Apr 2020 14:27

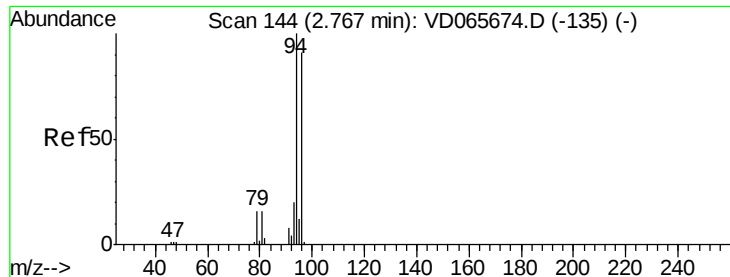
Tgt Ion: 62 Resp: 362298

Ion Ratio Lower Upper

62 100

64 32.1 24.3 36.5





#5

Bromomethane

Concen: 124.860 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

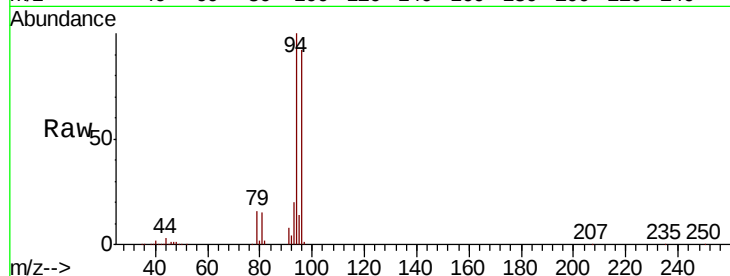
ClientSampleId :

Tot Ion: 94 Resp: 202046

Ion Ratio Lower Upper

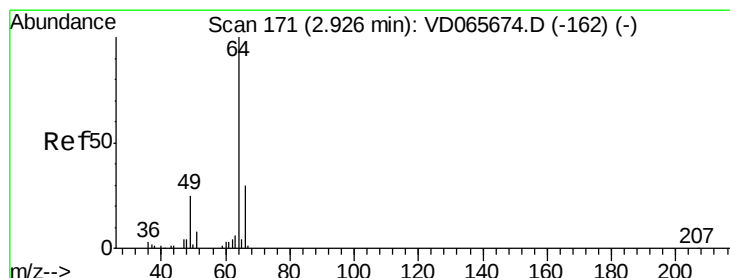
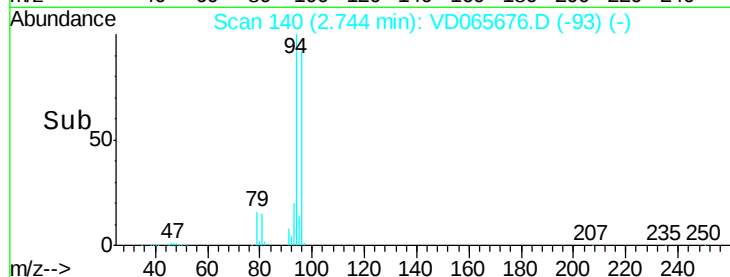
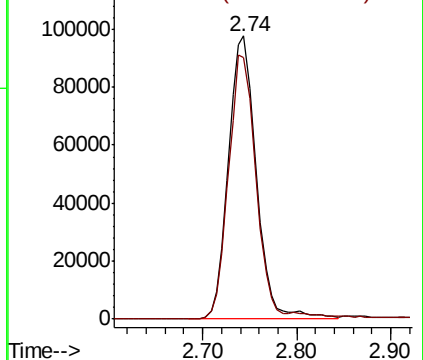
94 100

96 92.4 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 130.469 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD065676.D

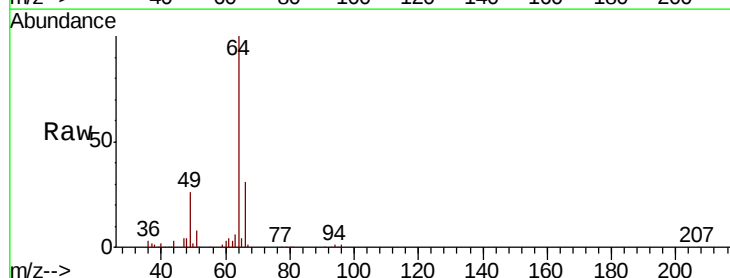
Acq: 24 Apr 2020 14:27

Tgt Ion: 64 Resp: 212175

Ion Ratio Lower Upper

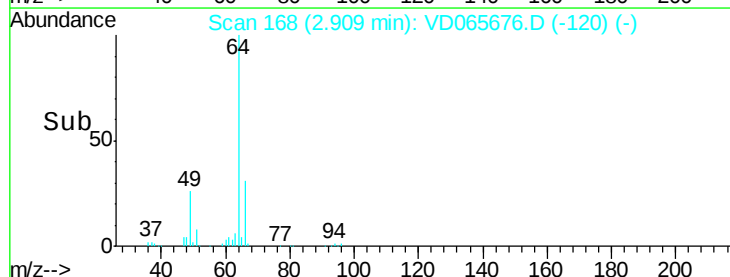
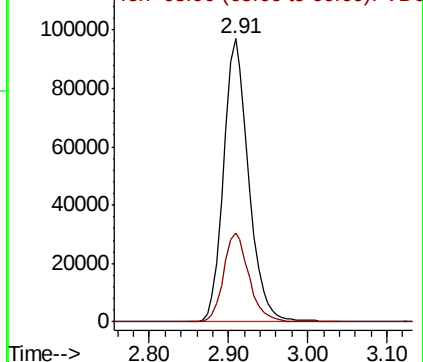
64 100

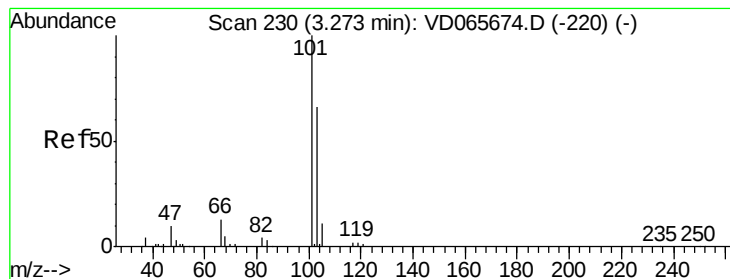
66 31.3 24.3 36.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



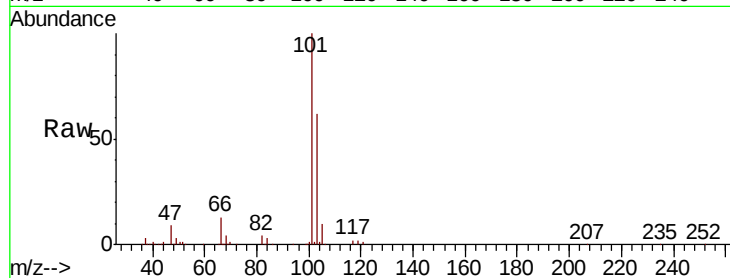


#7

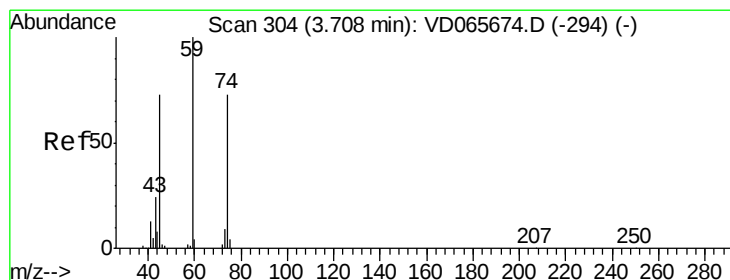
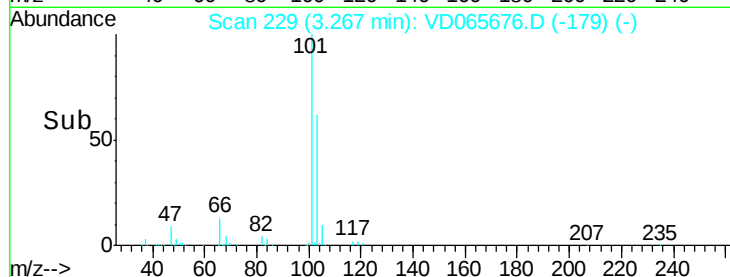
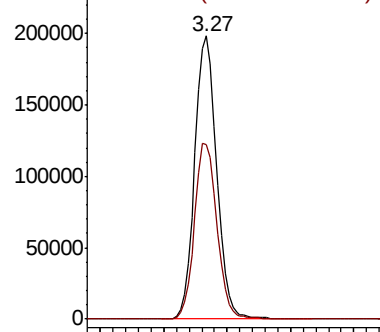
Trichlorofluoromethane
 Concen: 127.095 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 476035
 Ion Ratio Lower Upper
 101 100
 103 61.7 52.6 78.8



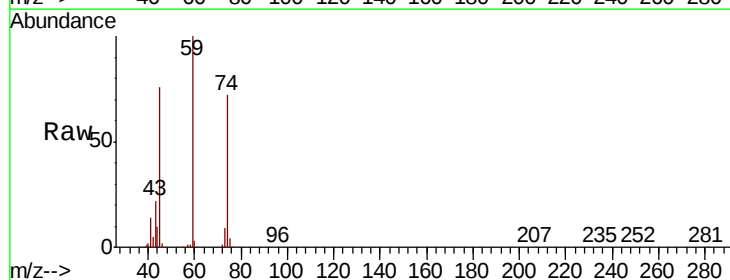
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



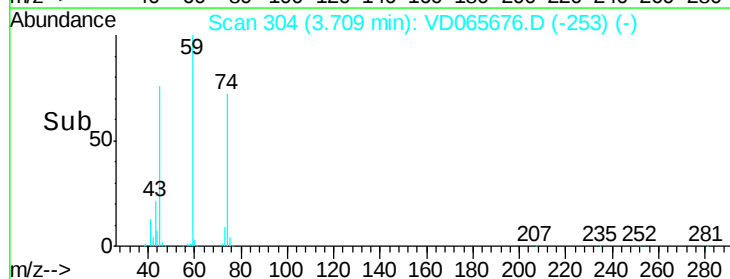
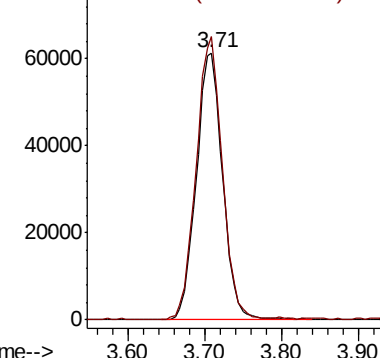
#8

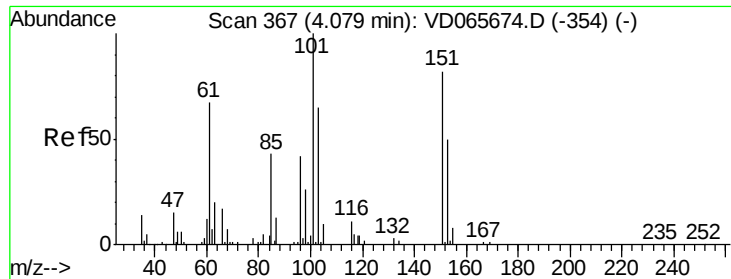
Diethyl Ether
 Concen: 133.340 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065676.D
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Tgt Ion: 74 Resp: 146025
 Ion Ratio Lower Upper
 74 100
 45 105.5 55.0 165.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 123.934 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

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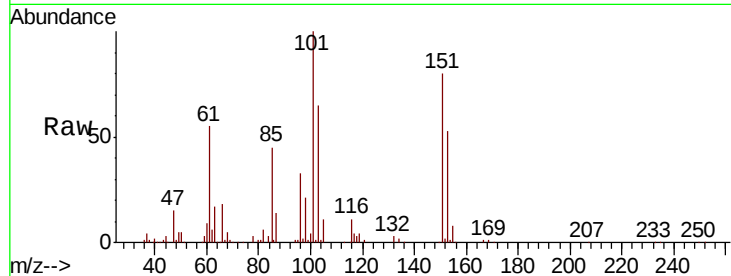
Tot Ion:101 Resp: 276439

Ion Ratio Lower Upper

101 100

85 44.4 35.1 52.7

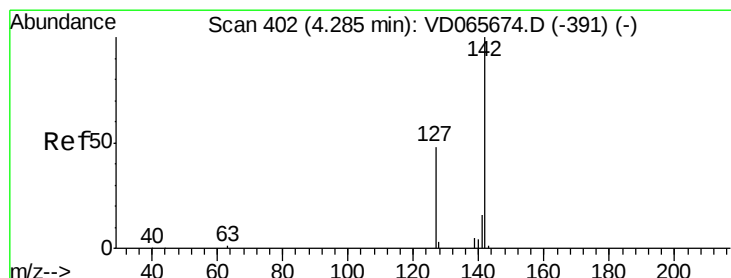
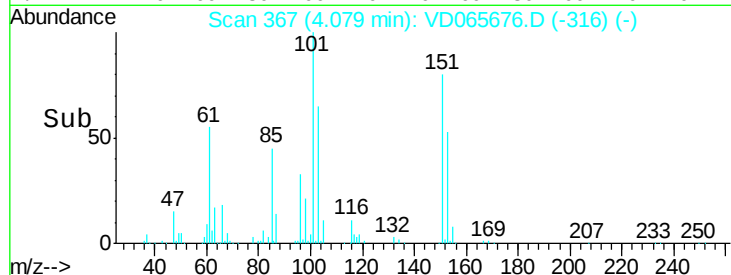
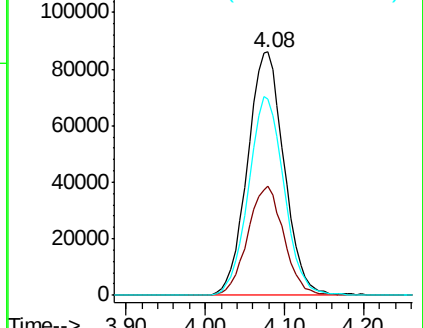
151 79.7 64.1 96.1



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: 183.523 ug/l

RT: 4.29 min Scan# 402

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

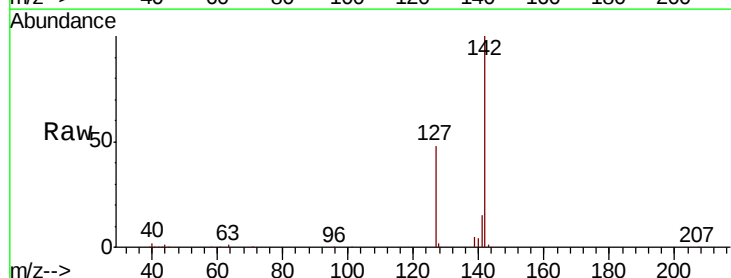
Tgt Ion:142 Resp: 294934

Ion Ratio Lower Upper

142 100

127 47.8 39.0 58.4

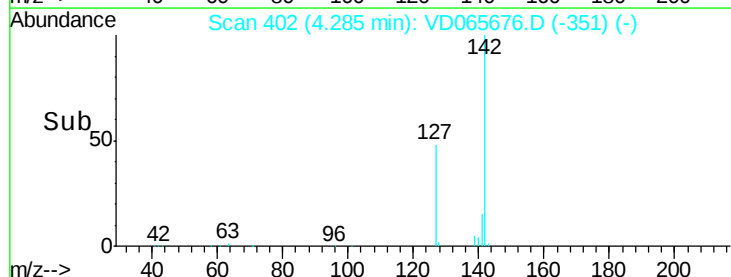
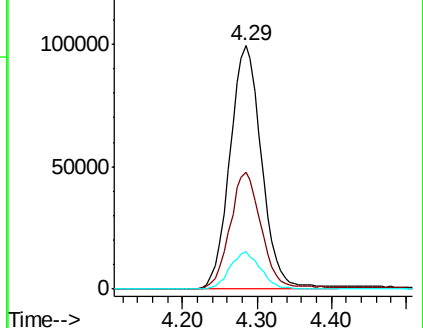
141 14.7 12.4 18.6

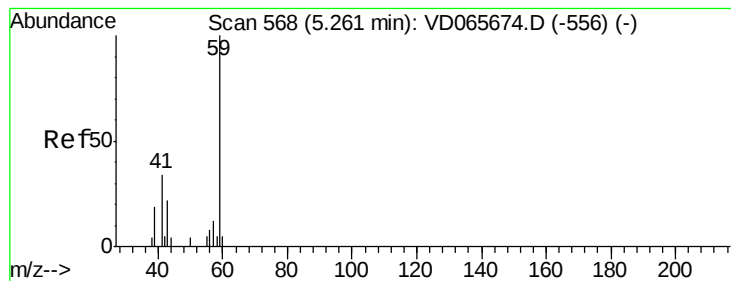


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



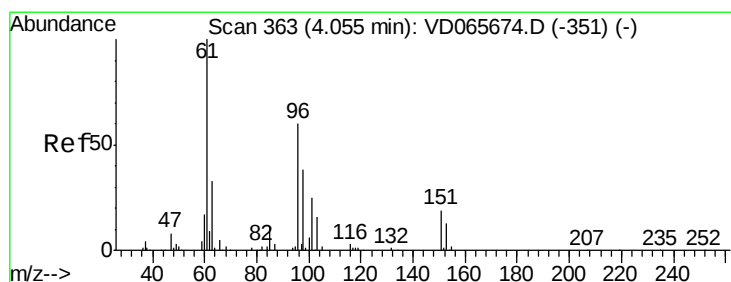
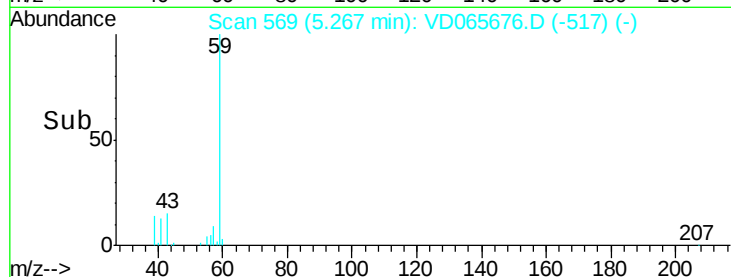
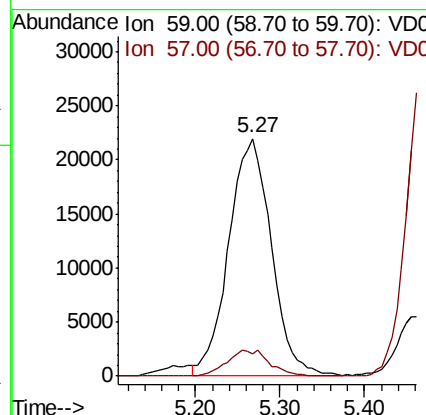
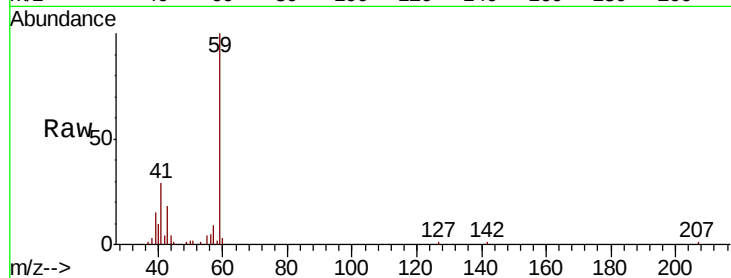


#11

Tert butyl alcohol
 Concen: 771.230 ug/l
 RT: 5.27 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Instrument :
 MSVOA_D
 ClientSampled :

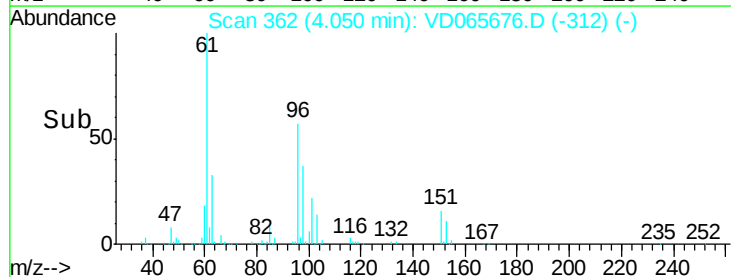
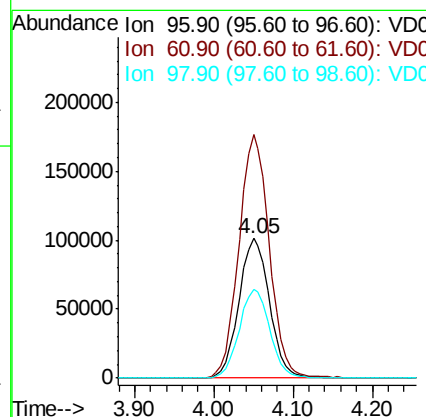
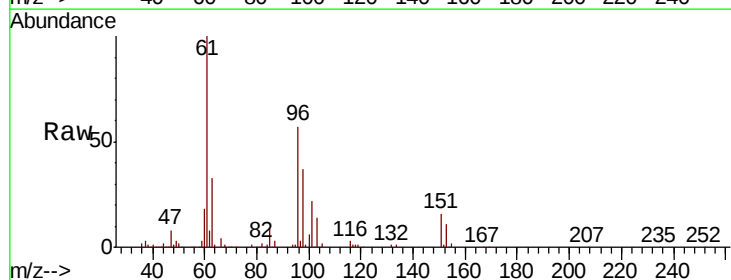
Tot Ion: 59 Resp: 77051
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.0 12.0

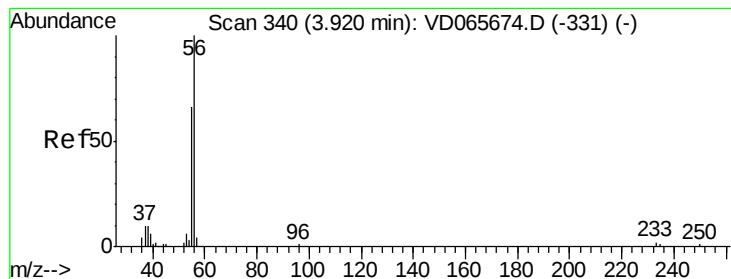


#12

1,1-Dichloroethene
 Concen: 123.213 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 96 Resp: 271954
 Ion Ratio Lower Upper
 96 100
 61 174.3 132.8 199.2
 98 63.9 50.7 76.1





#13

Acrolein

Concen: 680.503 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

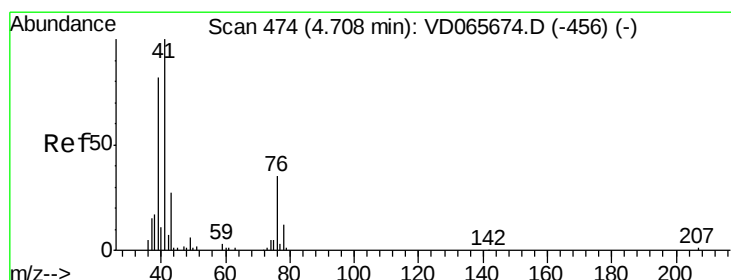
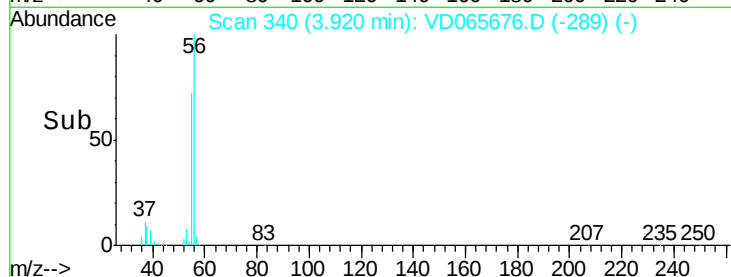
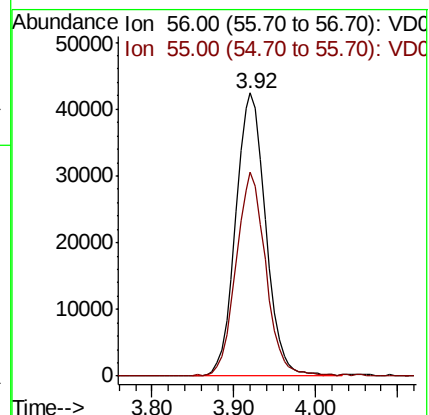
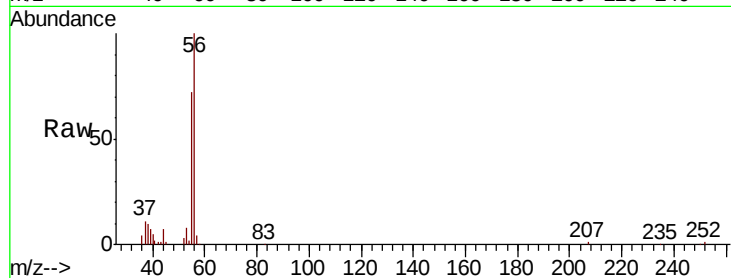
ClientSampleId :

Tot Ion: 56 Resp: 108596

Ion Ratio Lower Upper

56 100

55 71.3 58.6 88.0



#14

Allyl chloride

Concen: 151.511 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

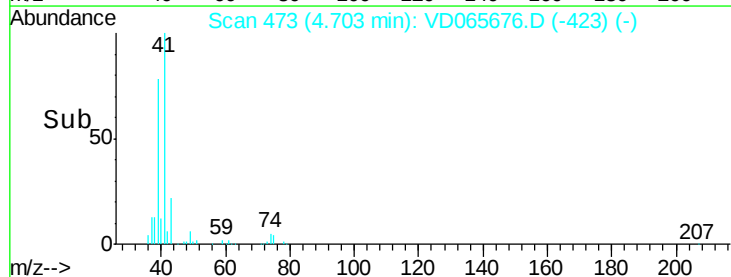
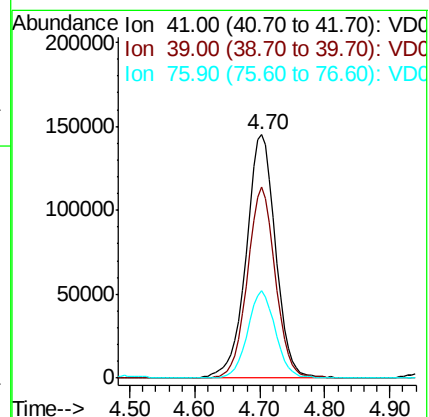
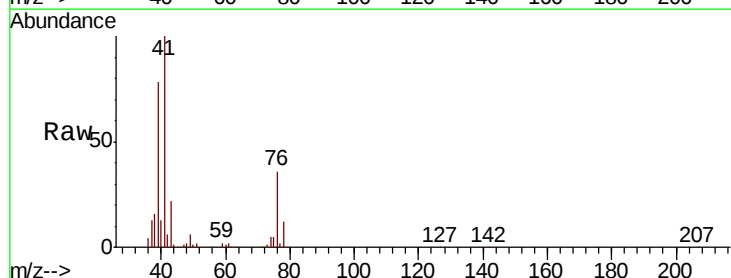
Tgt Ion: 41 Resp: 453259

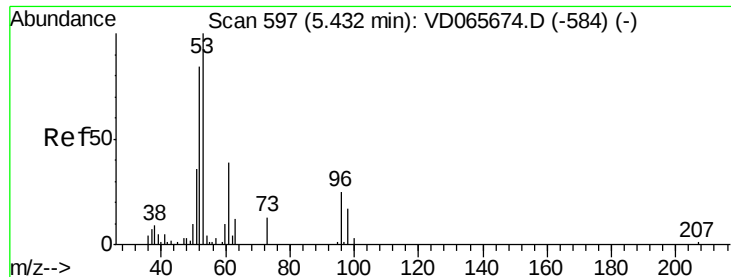
Ion Ratio Lower Upper

41 100

39 75.0 63.3 94.9

76 33.5 27.8 41.8





#15

Acrylonitrile

Concen: 794.444 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

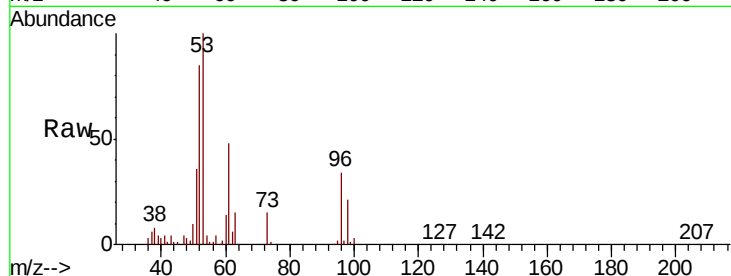
Tot Ion: 53 Resp: 327927

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.4

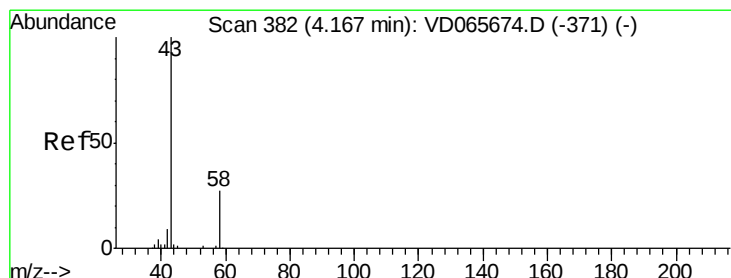
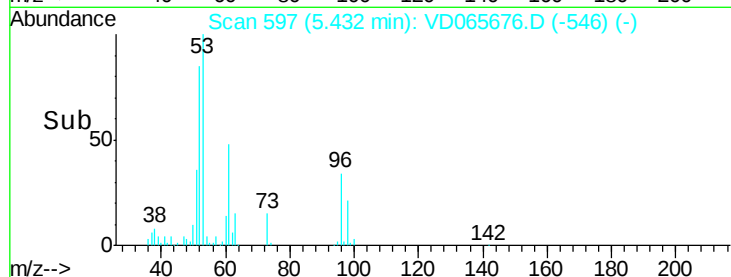
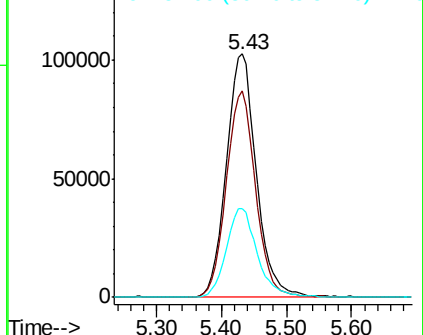
51 37.7 32.0 48.0



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: 552.379 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065676.D

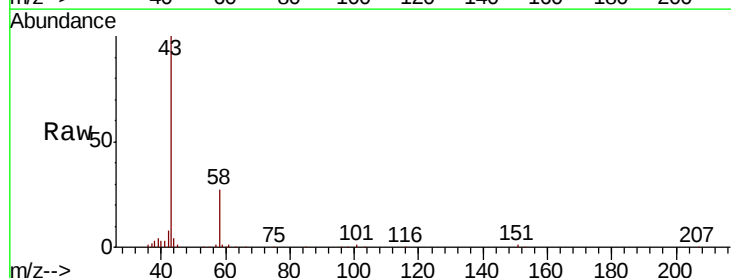
Acq: 24 Apr 2020 14:27

Tgt Ion: 43 Resp: 281731

Ion Ratio Lower Upper

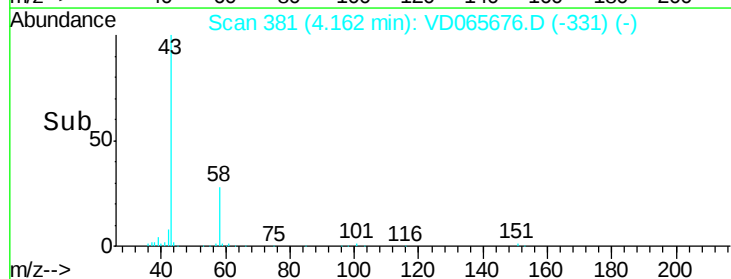
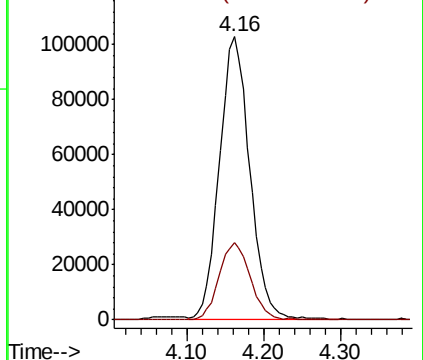
43 100

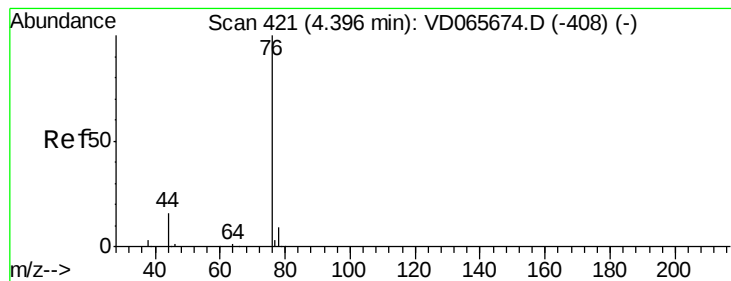
58 27.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 134.931 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

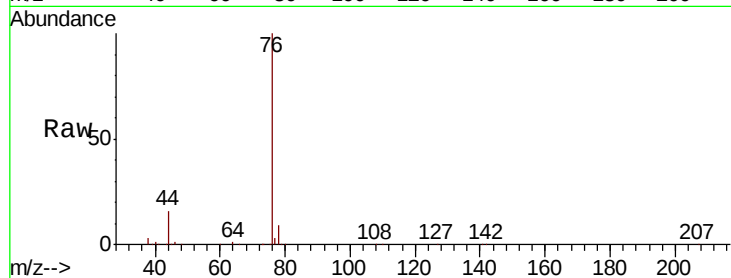
ClientSampled :

Tot Ion: 76 Resp: 796152

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.39

300000

250000

200000

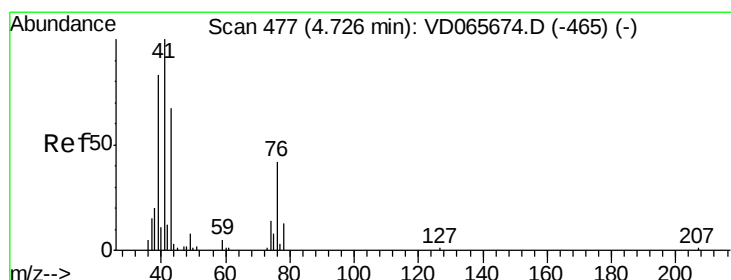
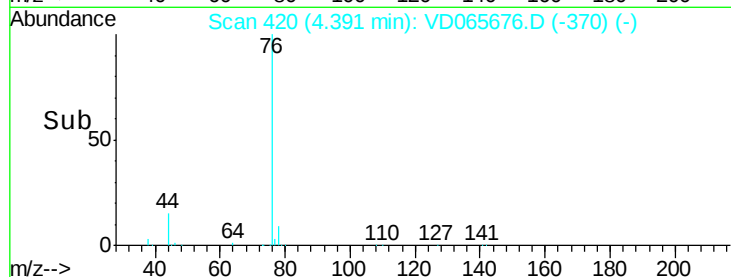
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 138.066 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065676.D

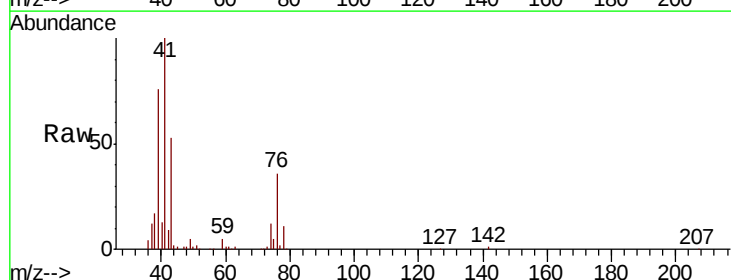
Acq: 24 Apr 2020 14:27

Tgt Ion: 43 Resp: 155985

Ion Ratio Lower Upper

43 100

74 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

60000

50000

40000

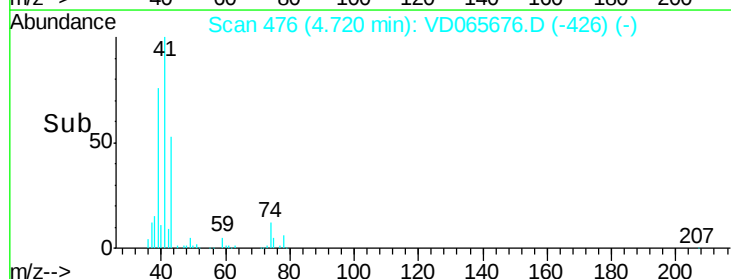
30000

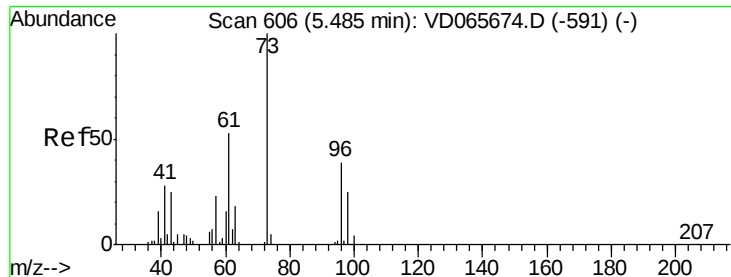
20000

10000

0

Time--> 4.60 4.70 4.80 4.90



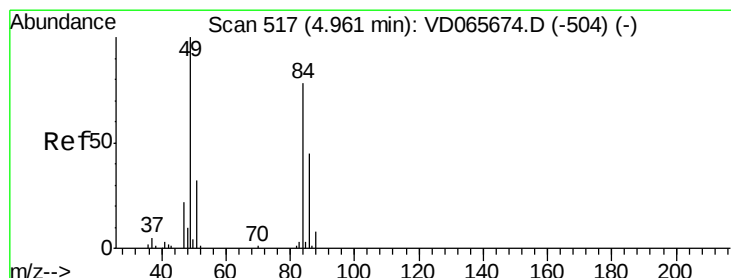
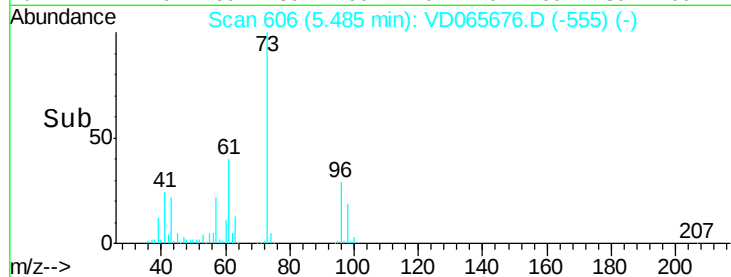
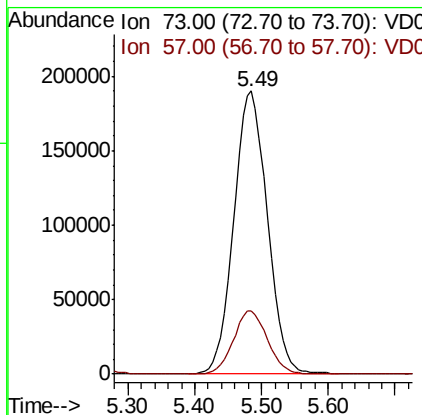
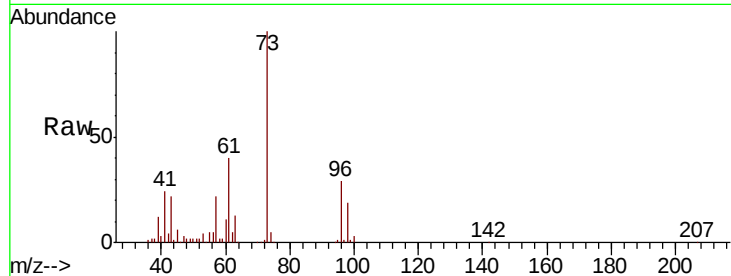


#19

Methyl tert-butyl Ether
 Concen: 175.759 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Instrument :
 MSVOA_D
 ClientSampleID :

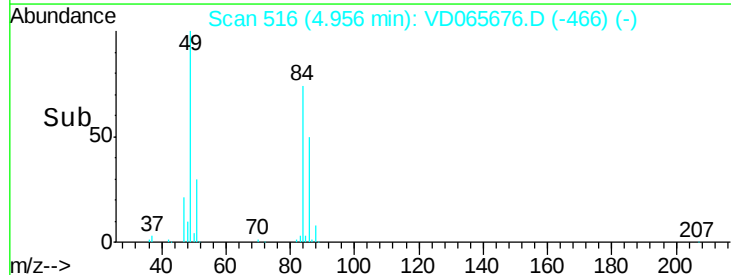
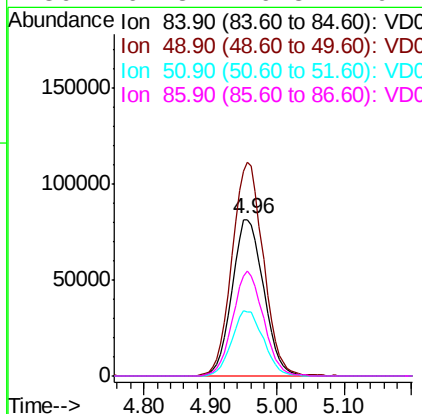
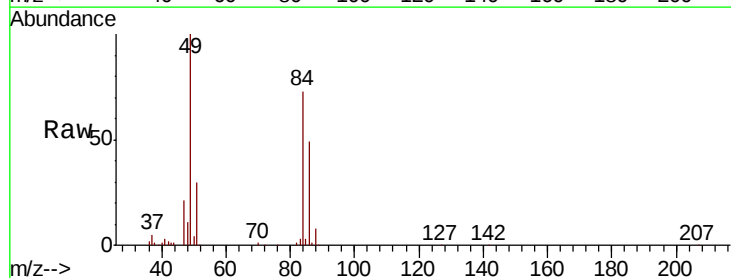
Tot Ion: 73 Resp: 661760
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.3 27.5

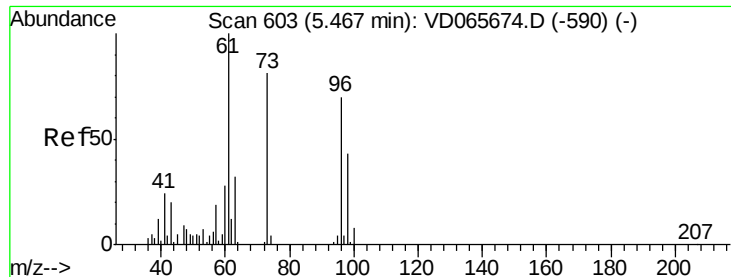


#20

Methylene Chloride
 Concen: 120.923 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 84 Resp: 268440
 Ion Ratio Lower Upper
 84 100
 49 136.7 103.1 154.7
 51 40.7 33.3 49.9
 86 67.3 46.8 70.2





#21

trans-1,2-Dichloroethene

Concen: 154.469 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

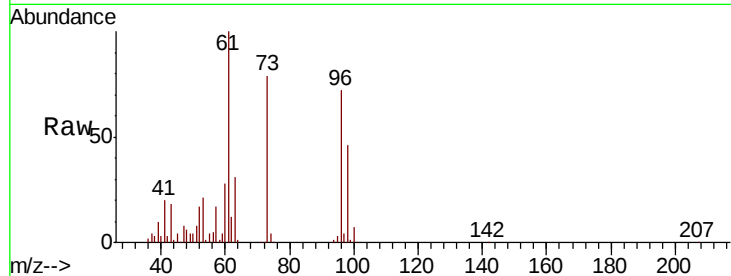
Tot Ion: 96 Resp: 324795

Ion Ratio Lower Upper

96 100

61 139.3 114.8 172.2

98 63.5 49.4 74.0

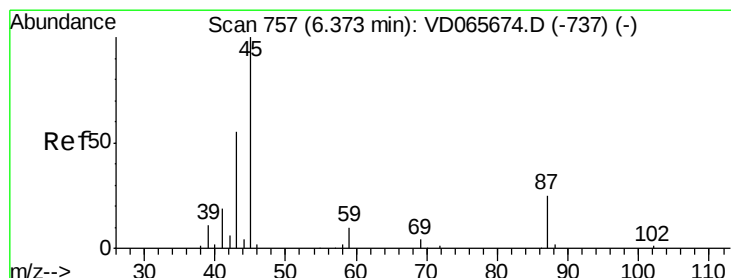
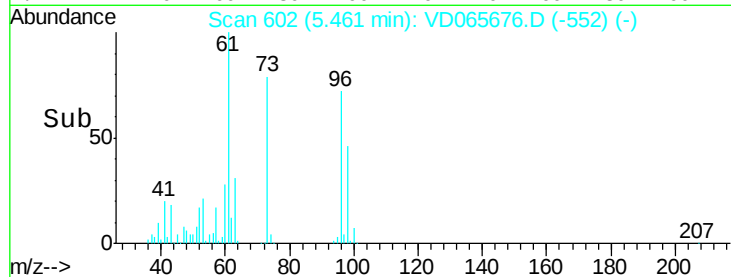
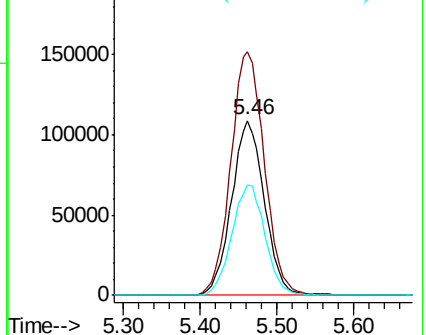


Abundance

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: 159.451 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Tgt Ion: 45 Resp: 986326

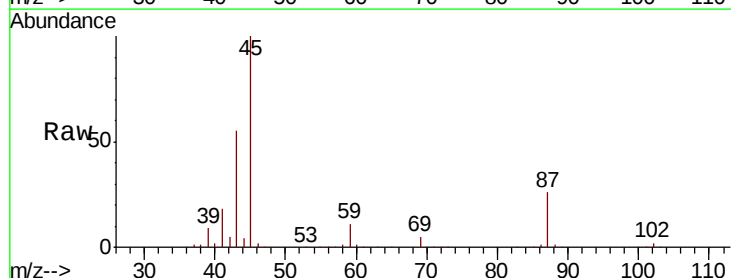
Ion Ratio Lower Upper

45 100

43 55.0 45.2 67.8

87 25.5 20.8 31.2

59 10.7 8.6 13.0



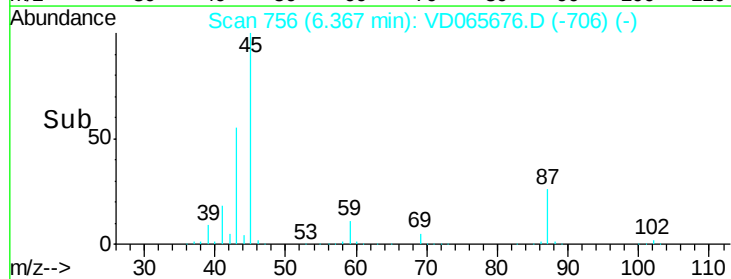
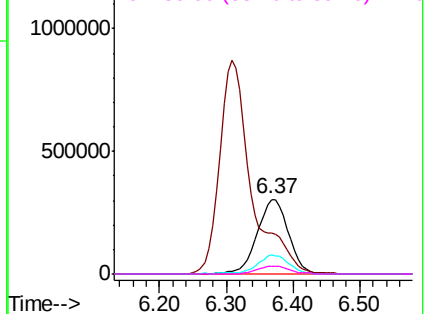
Abundance

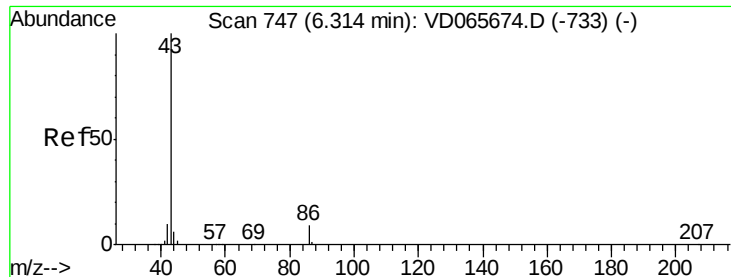
Ion 45.00 (44.70 to 45.70): VDC

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: 867.682 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

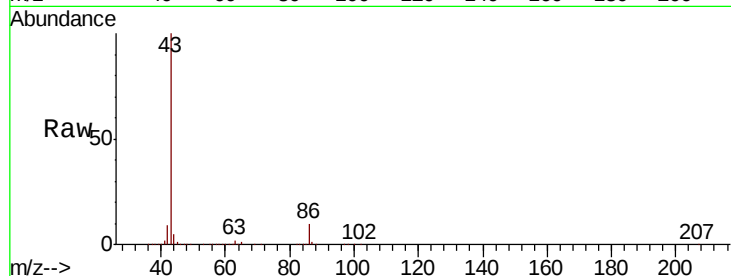
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2922545

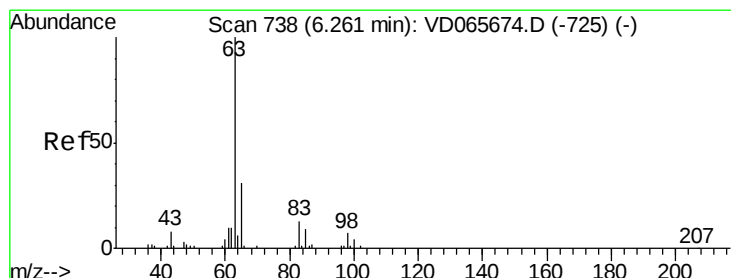
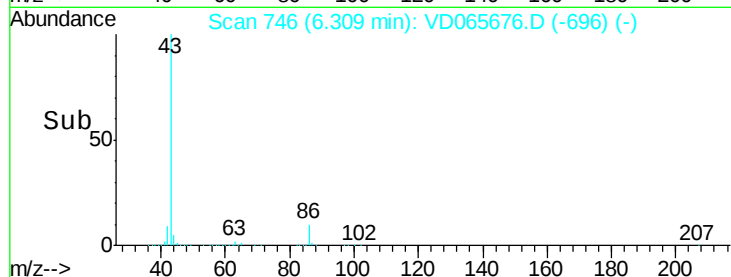
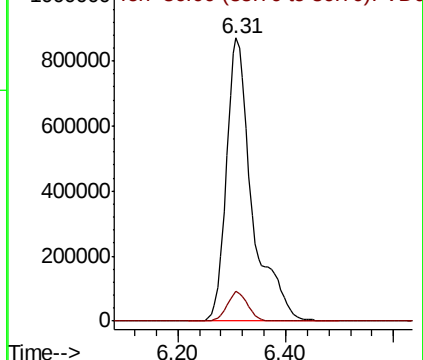
Ion Ratio Lower Upper

43 100

86 10.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 139.553 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

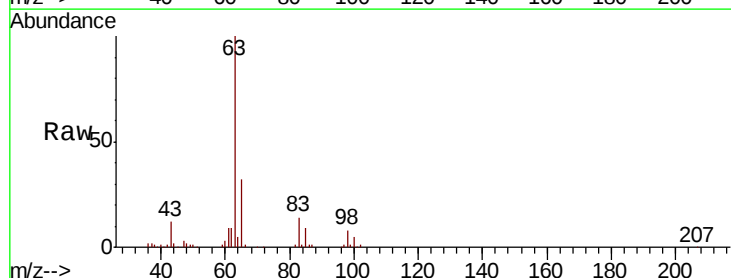
Tgt Ion: 63 Resp: 555282

Ion Ratio Lower Upper

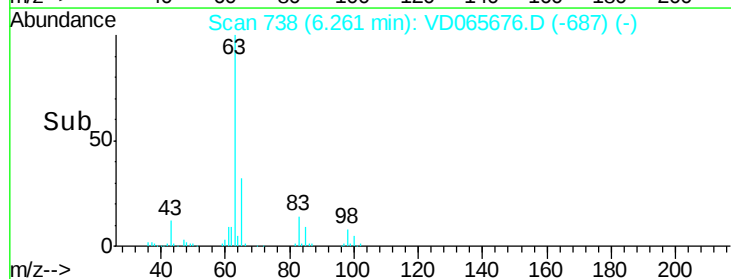
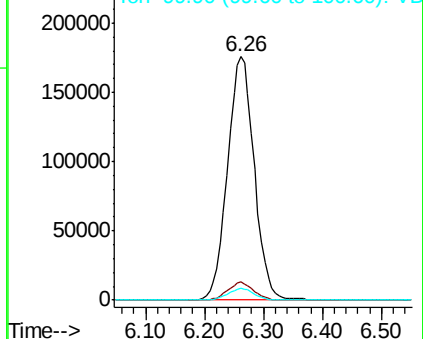
63 100

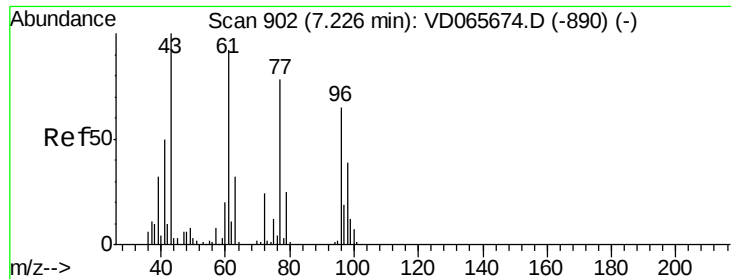
98 7.5 3.5 10.4

100 4.7 2.2 6.6



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: 782.769 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

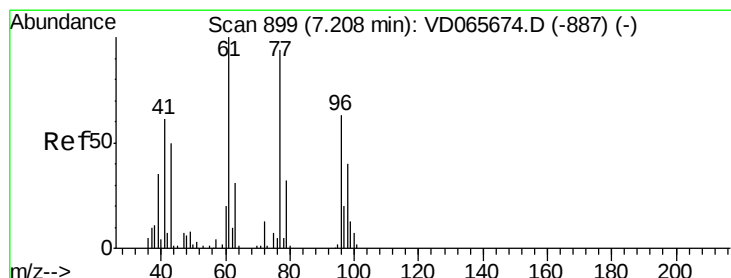
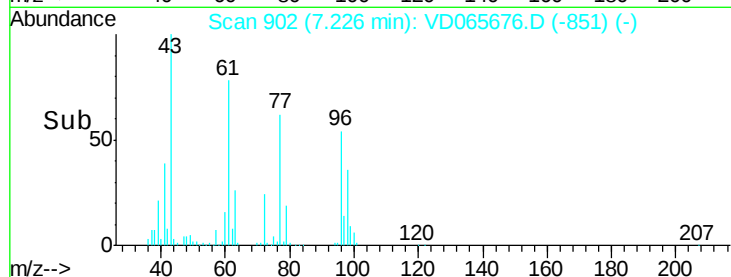
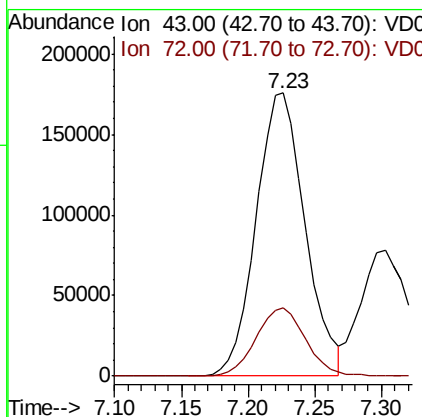
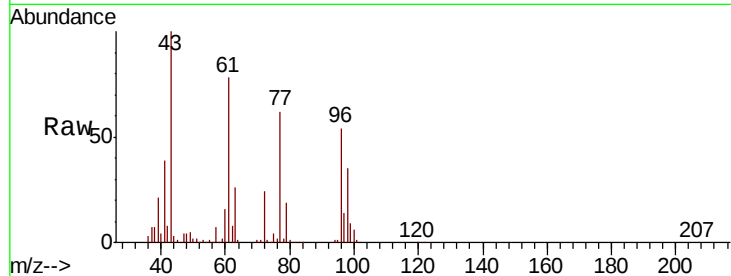
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 446300

Ion Ratio Lower Upper

43 100

72 24.1 19.3 28.9



#26

2,2-Dichloropropane

Concen: 137.288 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065676.D

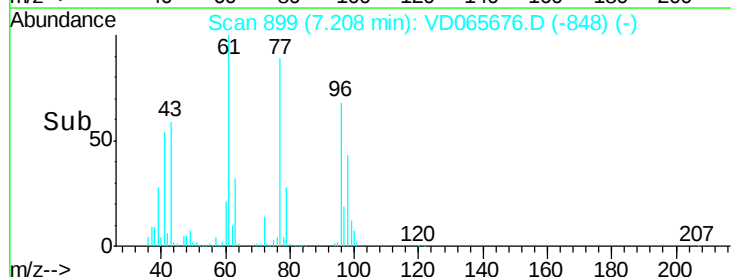
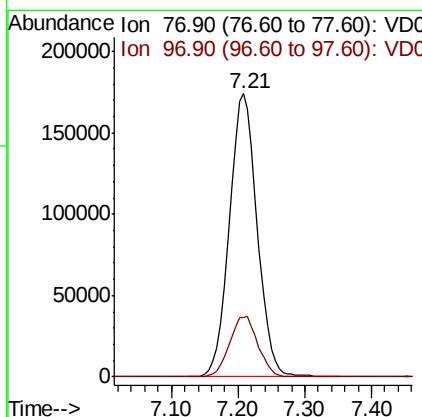
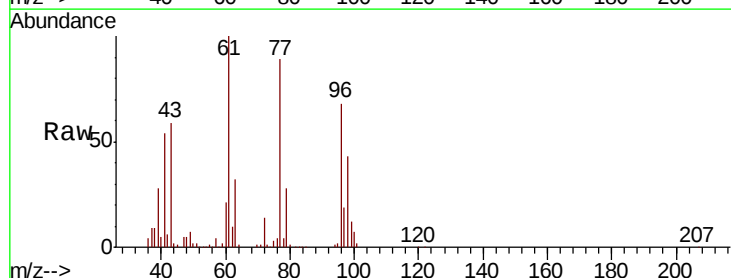
Acq: 24 Apr 2020 14:27

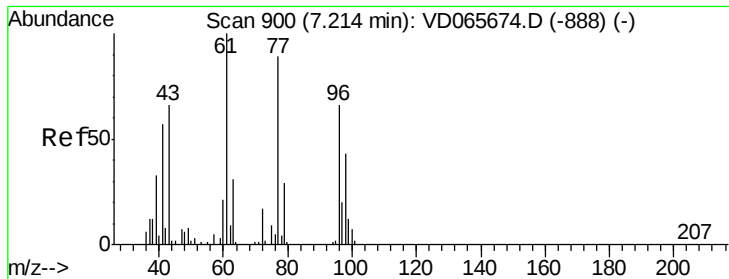
Tgt Ion: 77 Resp: 506237

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.3



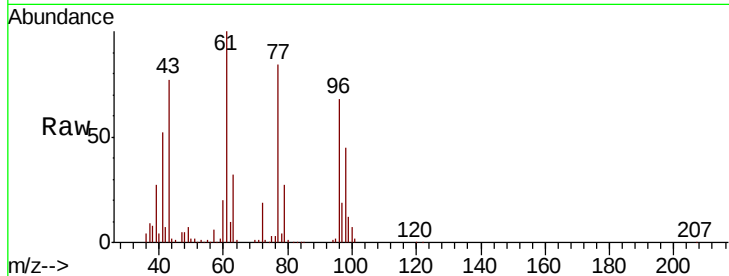


#27

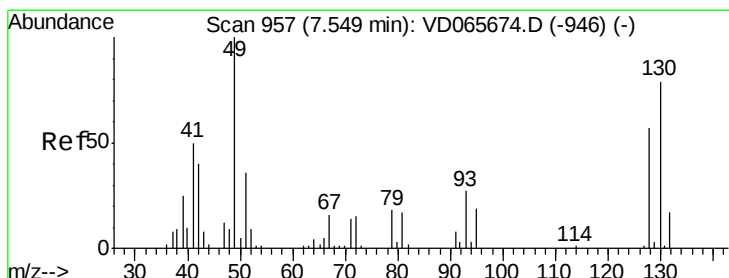
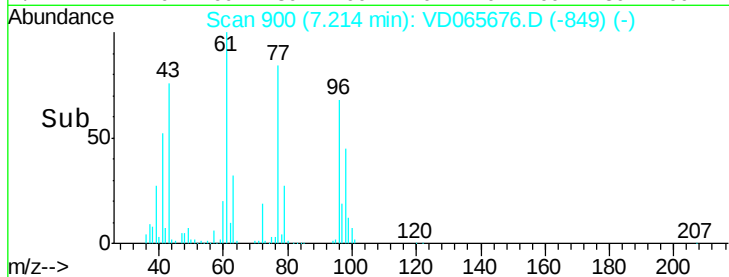
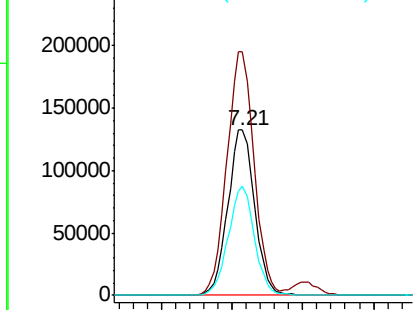
cis-1,2-Dichloroethene
Concen: 153.661 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	349808
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	304.6
98	64.3	0.0	126.6



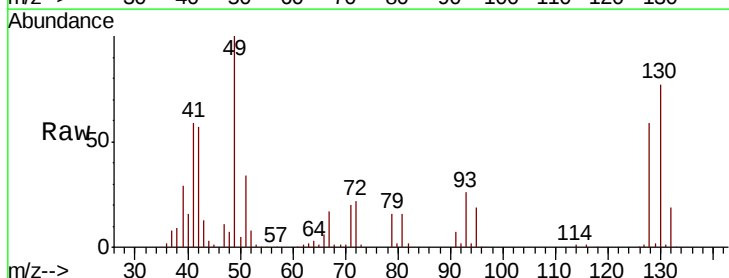
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



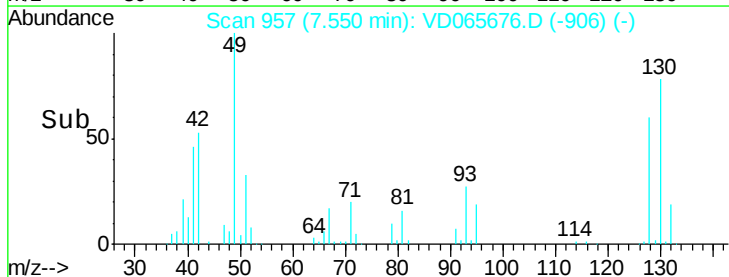
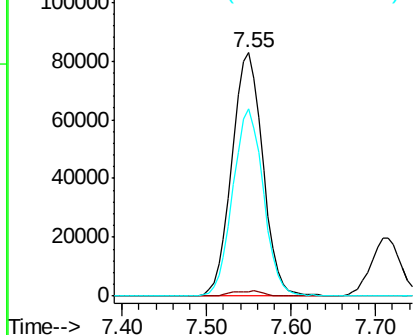
#28

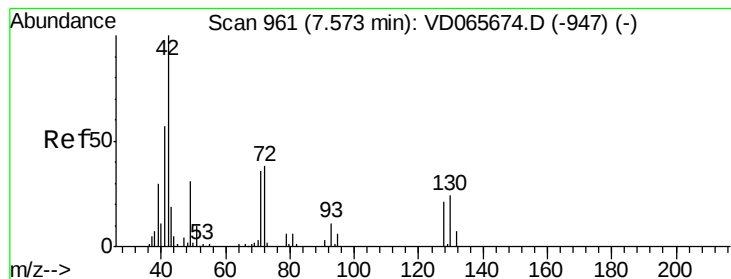
Bromochloromethane
Concen: 130.117 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion	49	Resp	209602
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	76.2	60.7	91.1



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





#29

Tetrahydrofuran

Concen: 819.096 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampleId :

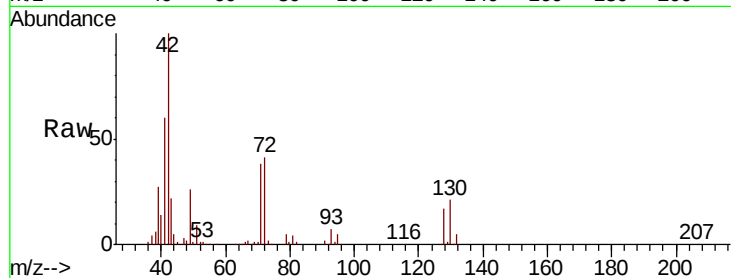
Tot Ion: 42 Resp: 282111

Ion Ratio Lower Upper

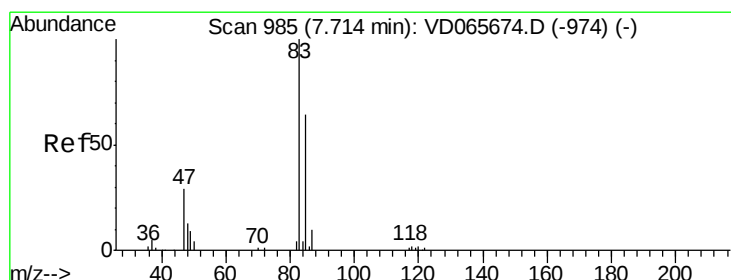
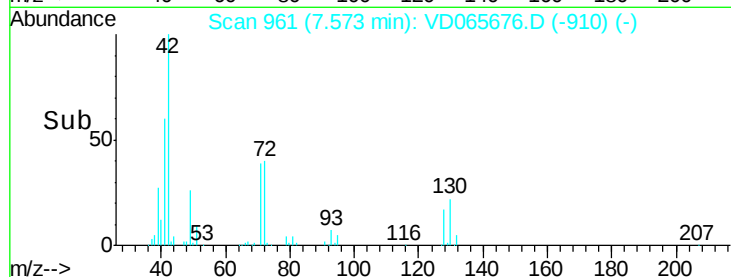
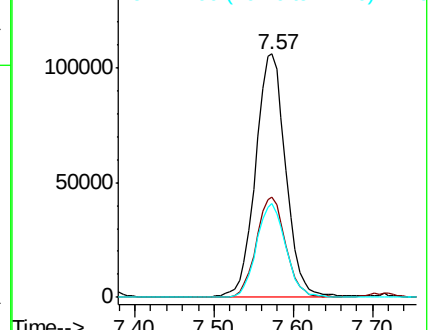
42 100

72 40.1 31.2 46.8

71 37.4 28.9 43.3



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 133.439 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065676.D

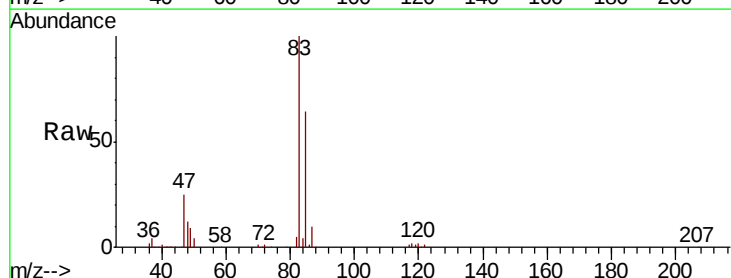
Acq: 24 Apr 2020 14:27

Tgt Ion: 83 Resp: 562500

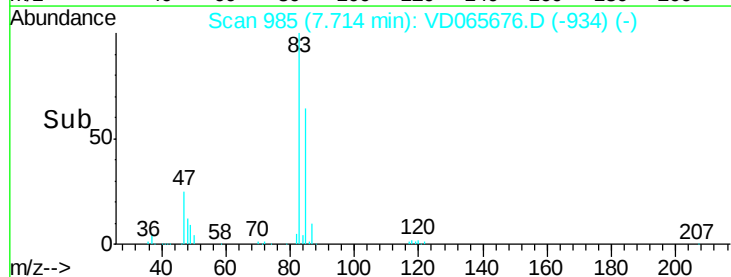
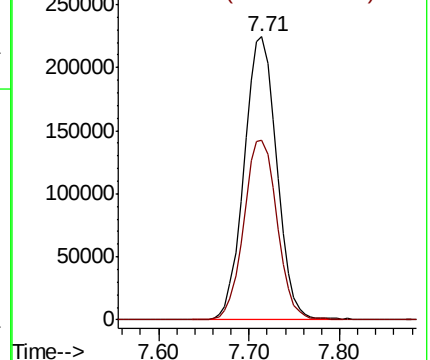
Ion Ratio Lower Upper

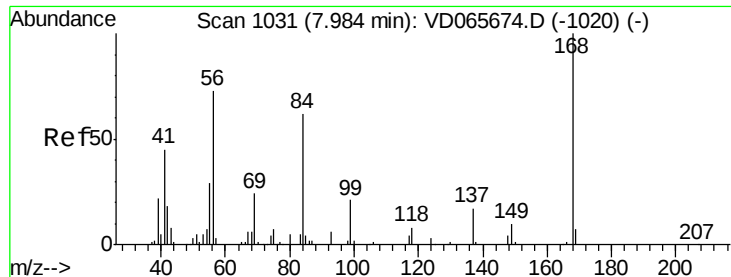
83 100

85 63.6 51.5 77.3



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

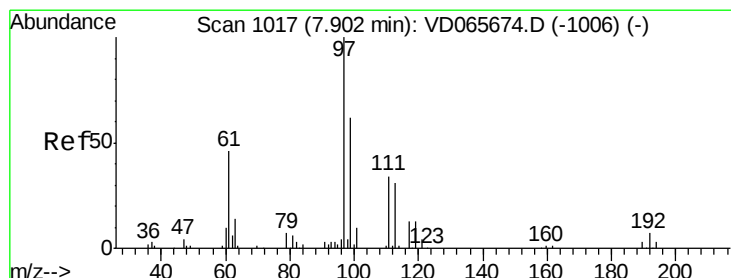
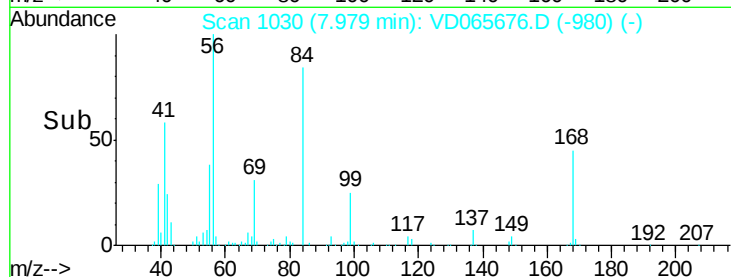
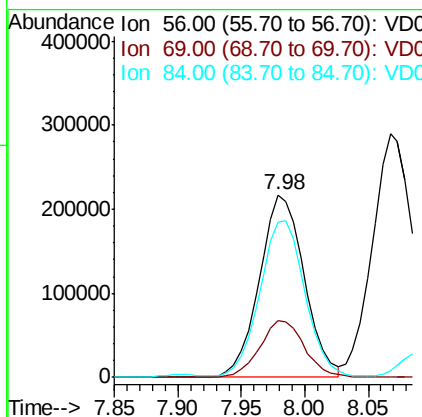
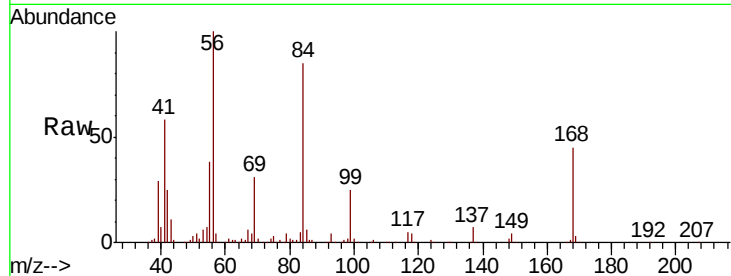




#31
Cyclohexane
Concen: 140.865 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

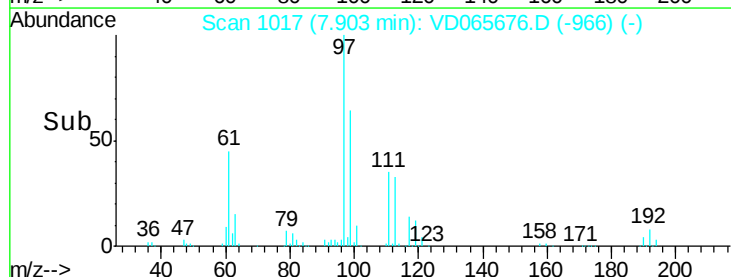
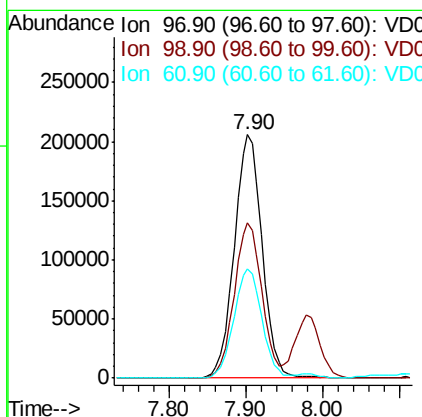
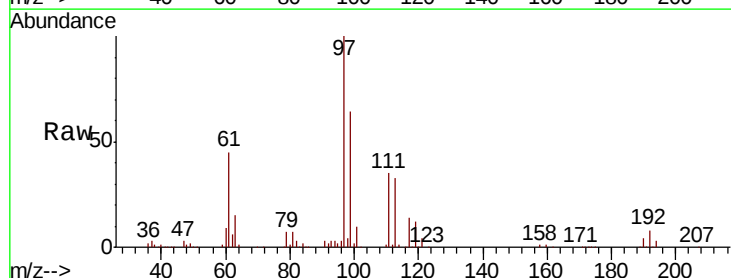
Instrument :
MSVOA_D
ClientSampleId :

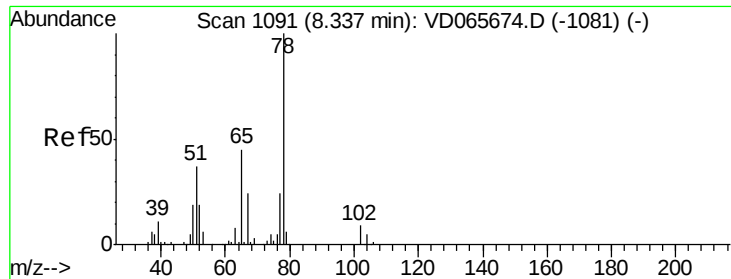
Tot Ion: 56 Resp: 532524
Ion Ratio Lower Upper
56 100
69 31.1 25.8 38.6
84 83.9 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 135.293 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 97 Resp: 520503
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.4
61 45.4 37.4 56.2





#33

1,2-Dichloroethane-d4

Concen: 128.583 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

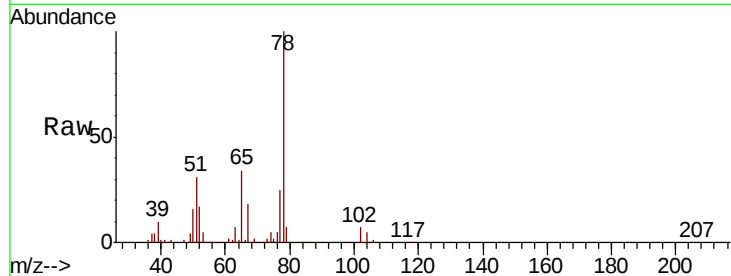
ClientSampleId :

Tot Ion: 65 Resp: 284518

Ion Ratio Lower Upper

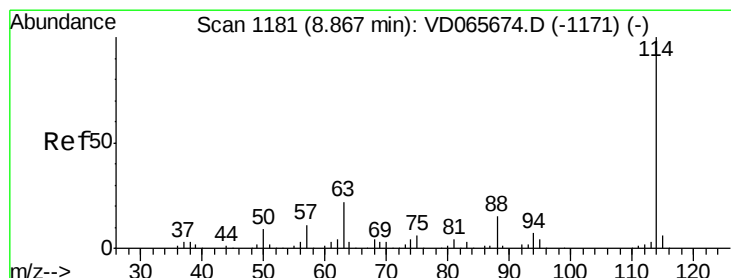
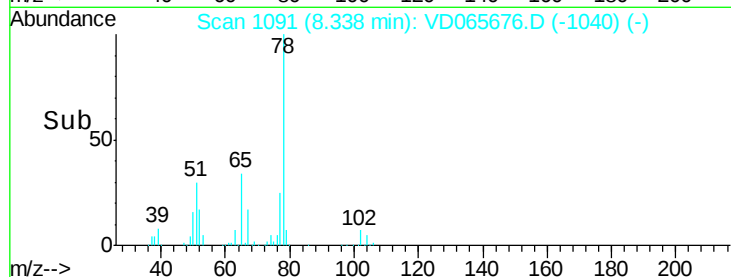
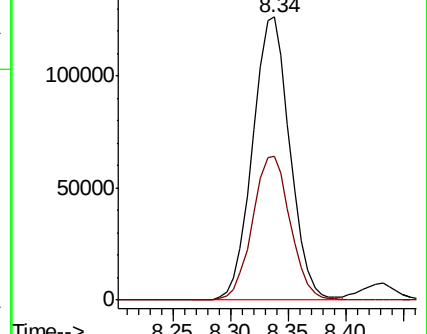
65 100

67 51.6 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

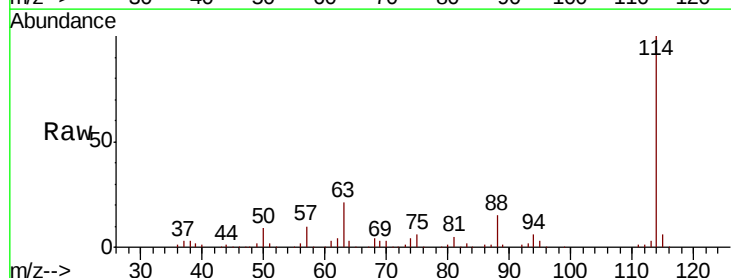
Tgt Ion:114 Resp: 286422

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

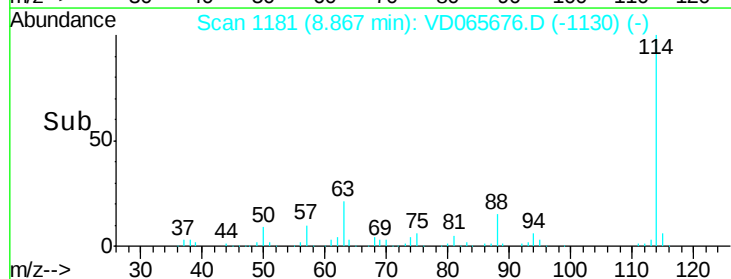
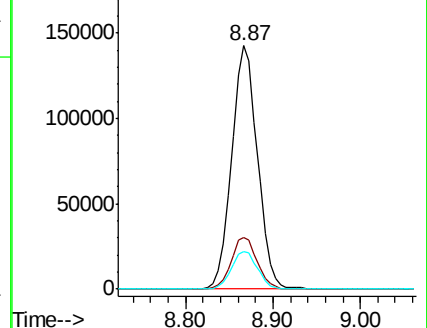
88 15.5 0.0 30.4

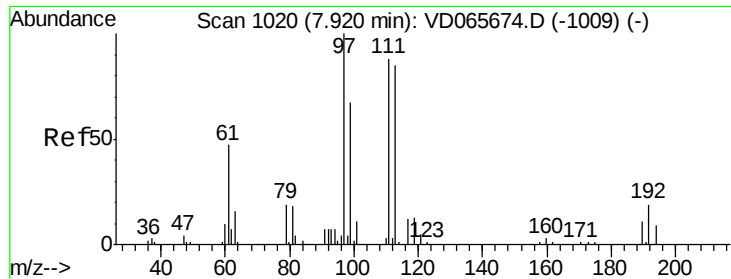


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

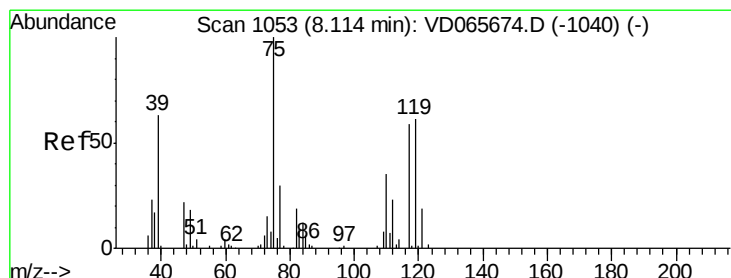
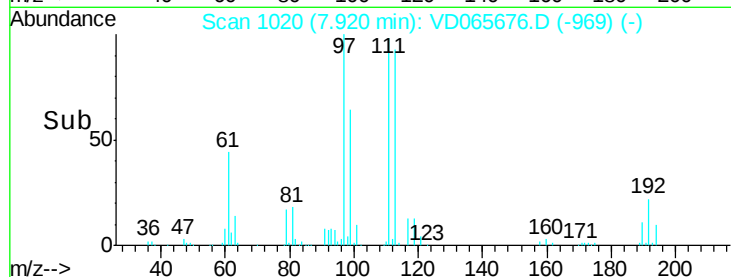
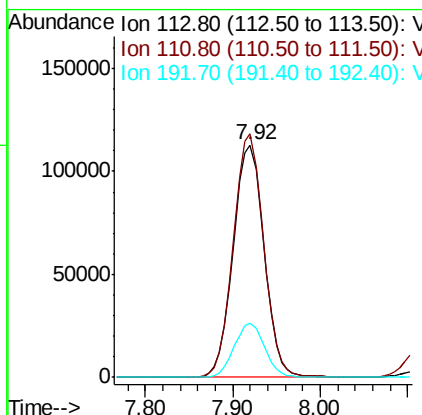
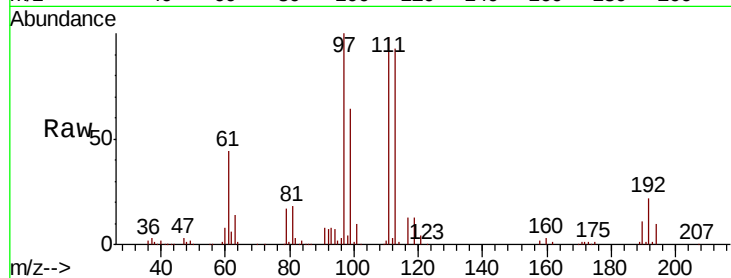




#35
 Dibromofluoromethane
 Concen: 137.864 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

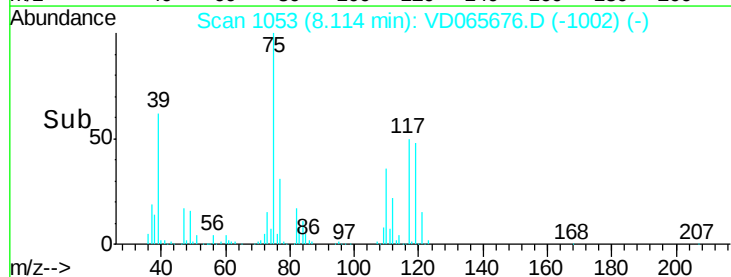
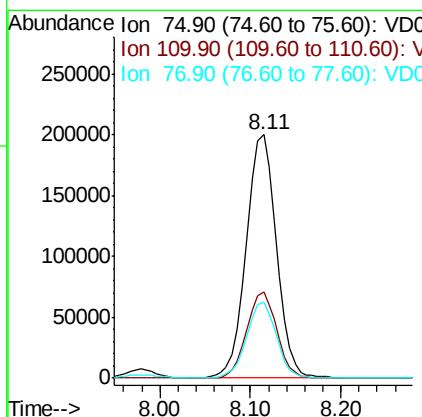
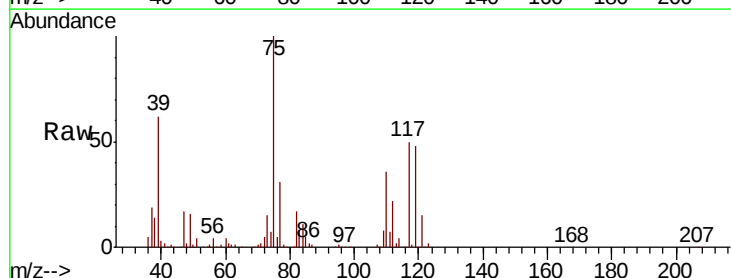
Instrument :
 MSVOA_D
 ClientSampleId :

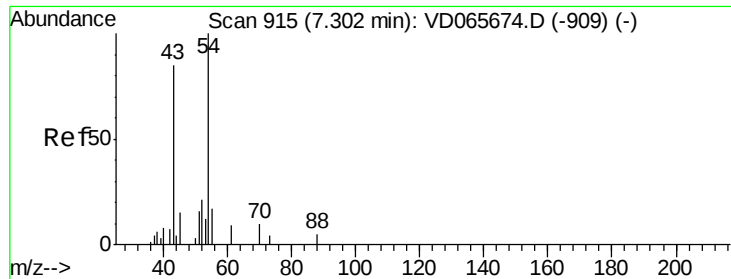
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	22.9	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 151.874 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.2	51.5
77	31.1	24.5	36.7

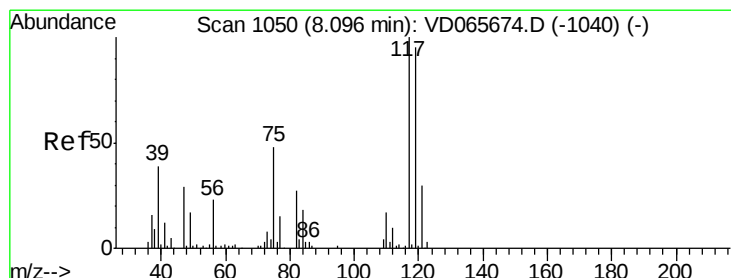
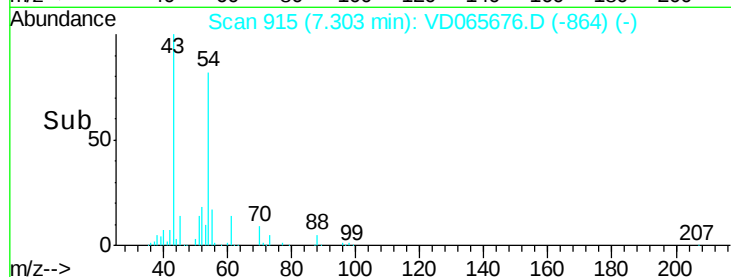
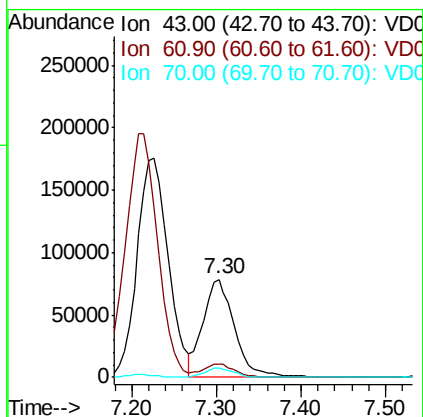
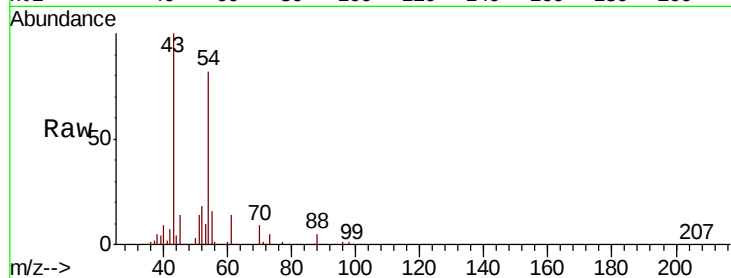




#37
Ethyl Acetate
Concen: 165.338 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

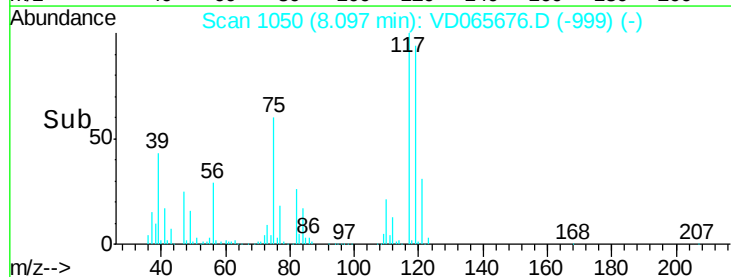
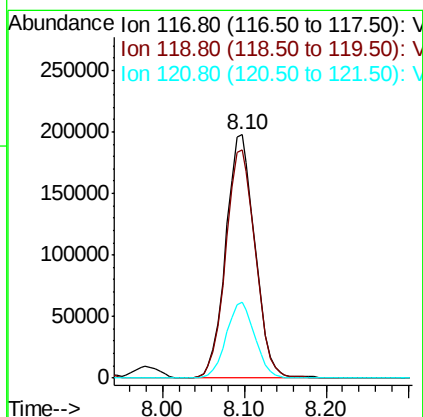
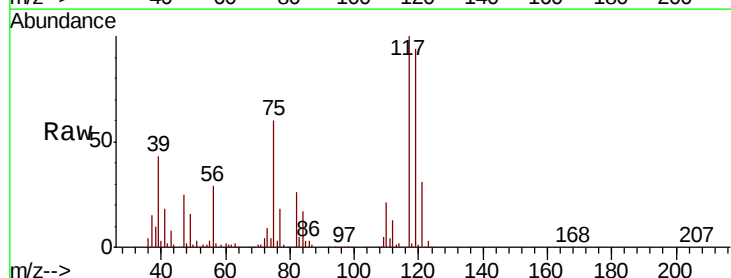
Instrument :
MSVOA_D
ClientSampleID :

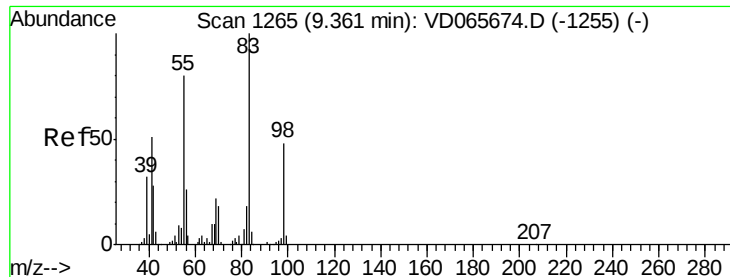
Tot Ion: 43 Resp: 200948
Ion Ratio Lower Upper
43 100
61 13.7 11.3 16.9
70 9.1 7.5 11.3



#38
Carbon Tetrachloride
Concen: 140.575 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 117 Resp: 486847
Ion Ratio Lower Upper
117 100
119 93.6 75.8 113.6
121 31.3 23.8 35.8

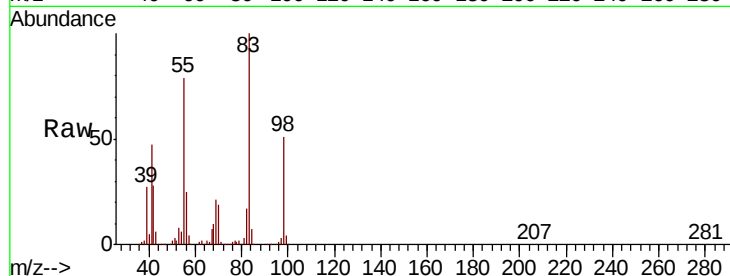




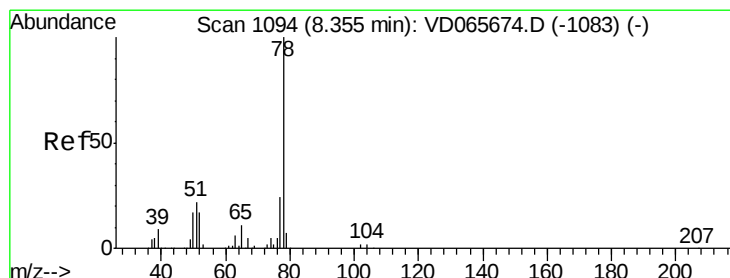
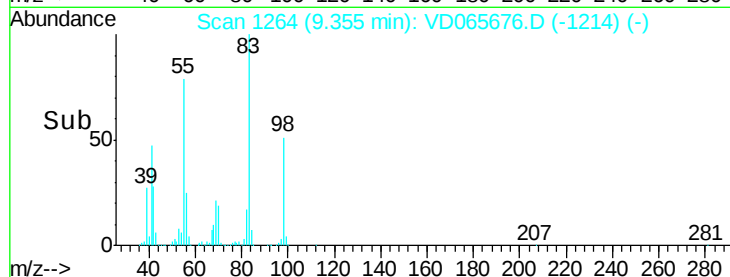
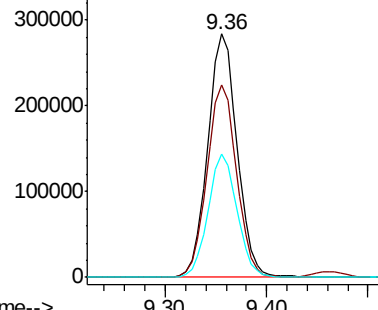
#39
Methvlcvclohexane
Concen: 174.476 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 571511
Ion Ratio Lower Upper
83 100
55 79.3 64.2 96.2
98 50.7 38.1 57.1

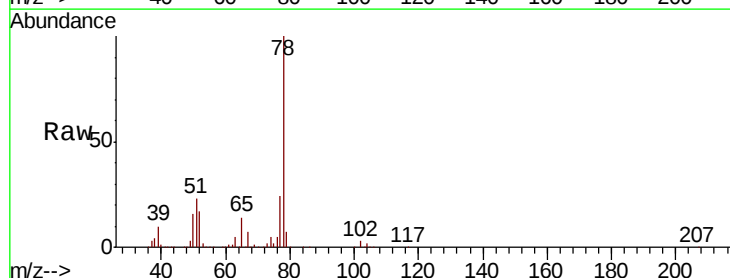


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

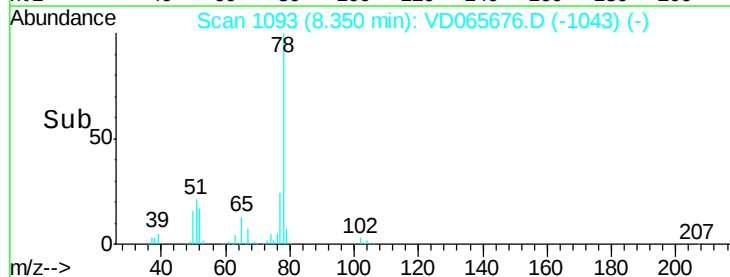
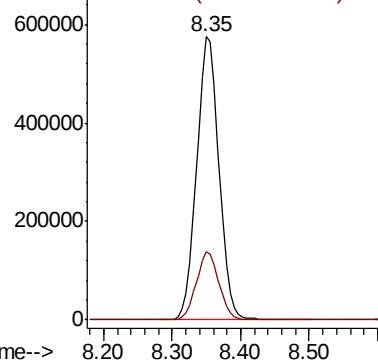


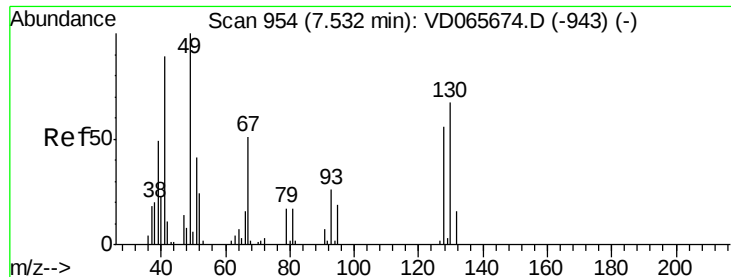
#40
Benzene
Concen: 154.203 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 78 Resp: 1298235
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0



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

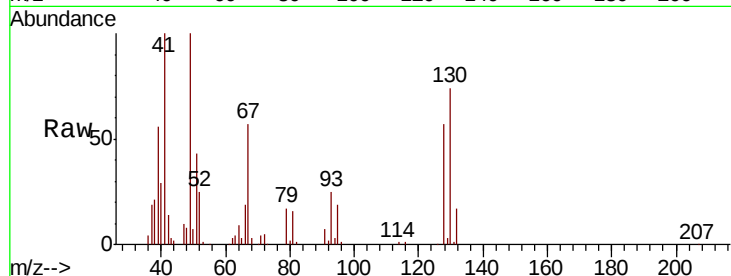




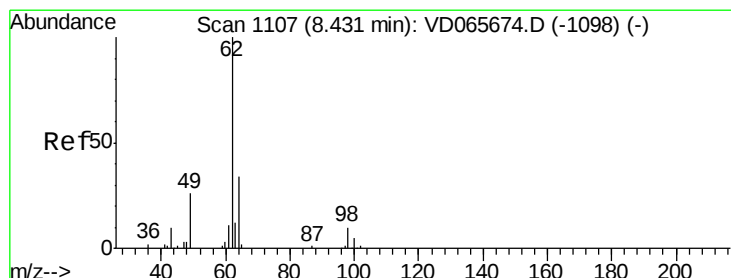
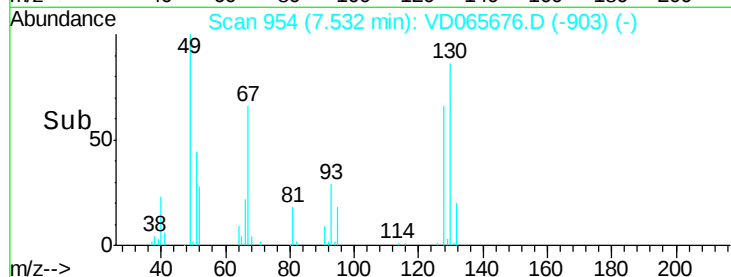
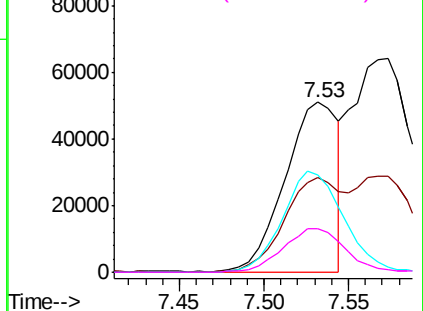
#41
Methacrylonitrile
Concen: 167.684 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 110429
Ion Ratio Lower Upper
41 100
39 63.7 0.0 0.0#
67 69.1 56.0 84.0
52 30.4 27.0 40.4

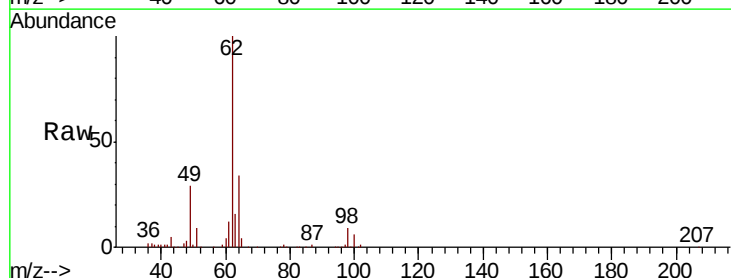


Abundance Ion 41.00 (40.70 to 41.70): VDC
100000 Ion 39.00 (38.70 to 39.70): VDC
80000 Ion 67.00 (66.70 to 67.70): VDC
60000 Ion 52.00 (51.70 to 52.70): VDC
40000
20000
0

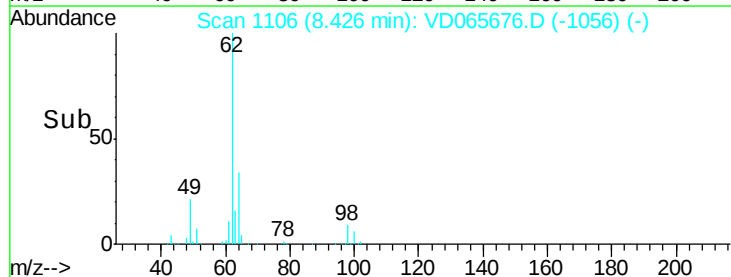
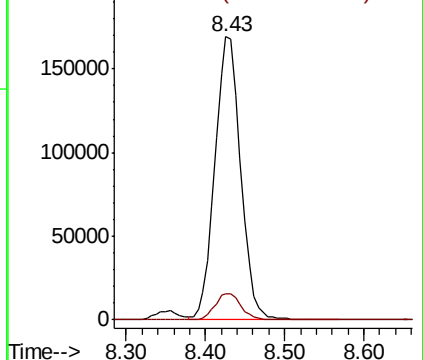


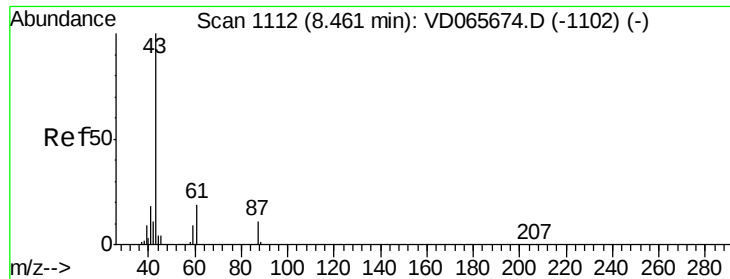
#42
1,2-Dichloroethane
Concen: 145.386 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 62 Resp: 379934
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
200000 Ion 97.90 (97.60 to 98.60): VDC
150000
100000
50000
0





#43

Isopropyl Acetate

Concen: 170.070 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

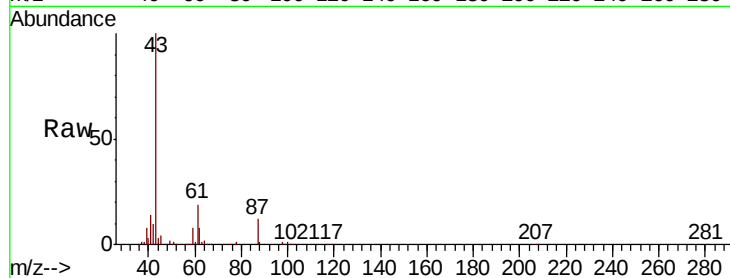
Tot Ion: 43 Resp: 378908

Ion Ratio Lower Upper

43 100

61 29.6 24.4 36.6

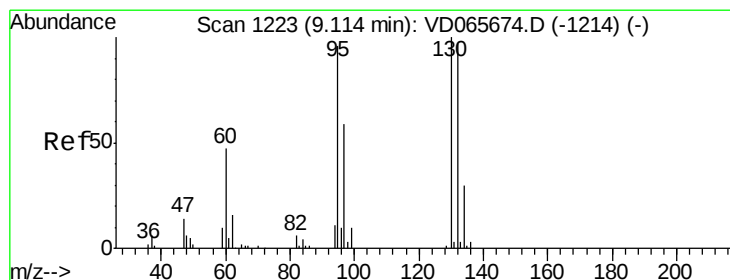
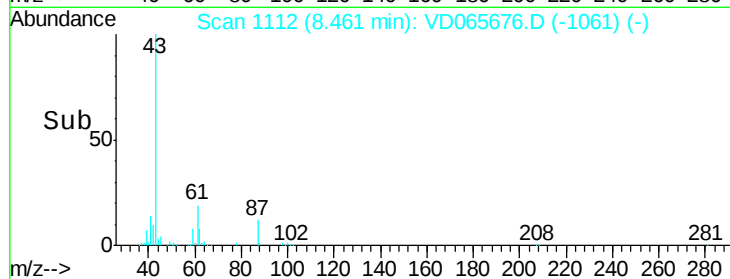
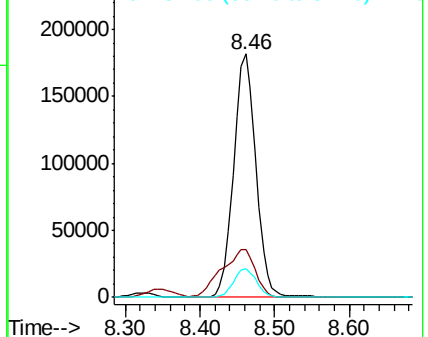
87 12.1 9.3 13.9



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: 146.298 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065676.D

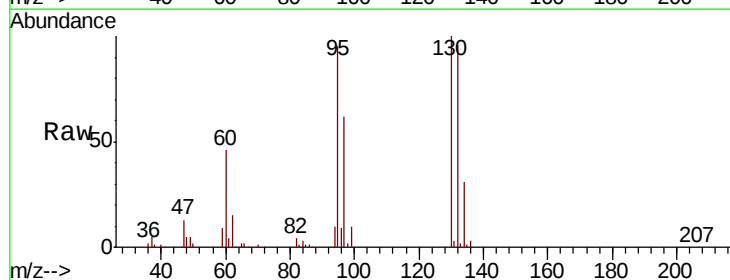
Acq: 24 Apr 2020 14:27

Tgt Ion:130 Resp: 343936

Ion Ratio Lower Upper

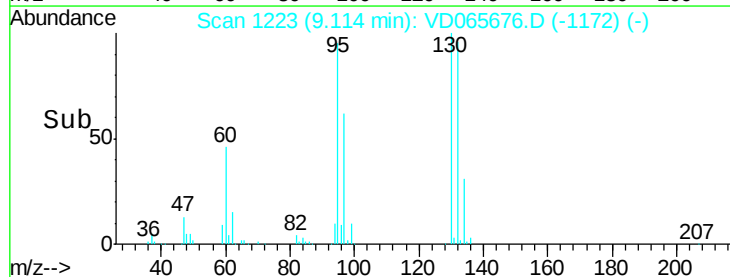
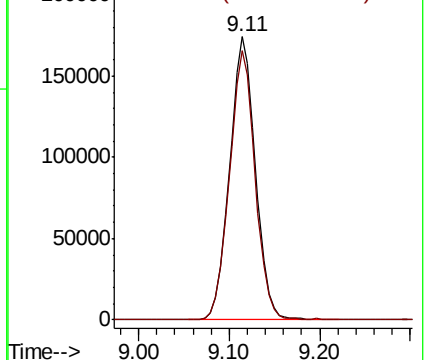
130 100

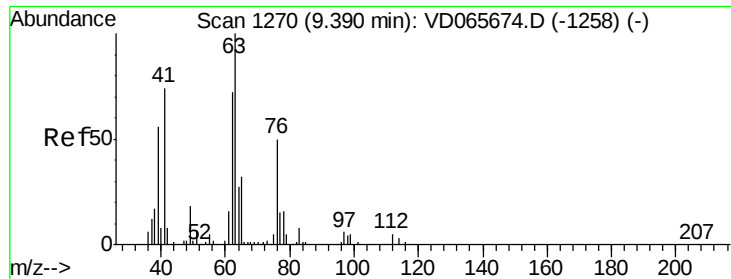
95 95.1 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

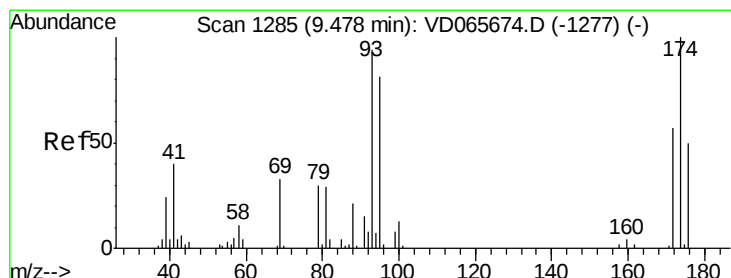
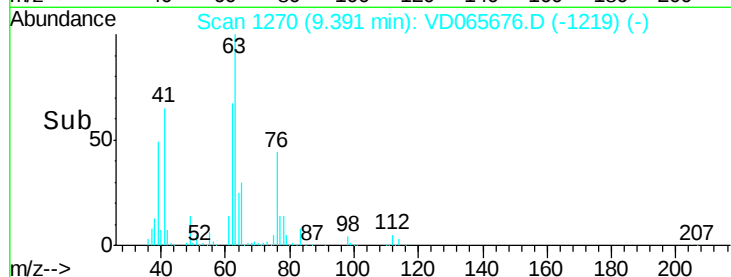
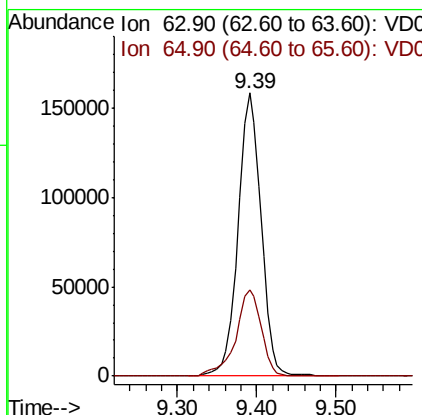
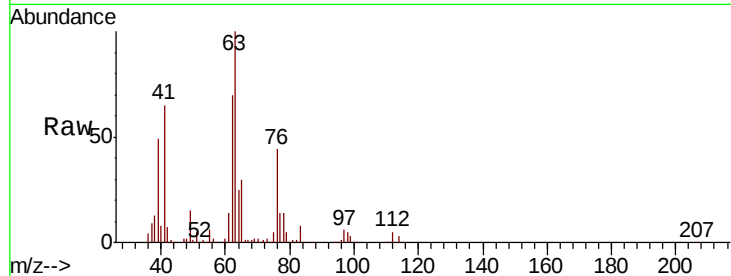




#45
 1,2-Dichloropropane
 Concen: 149.520 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

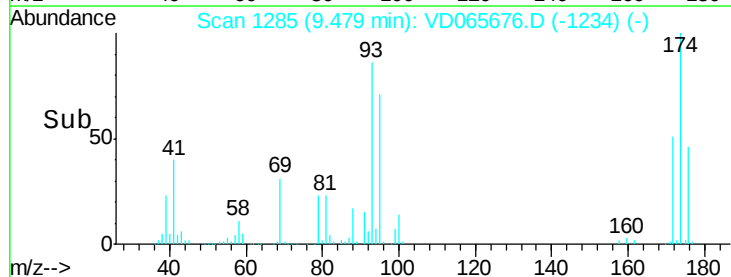
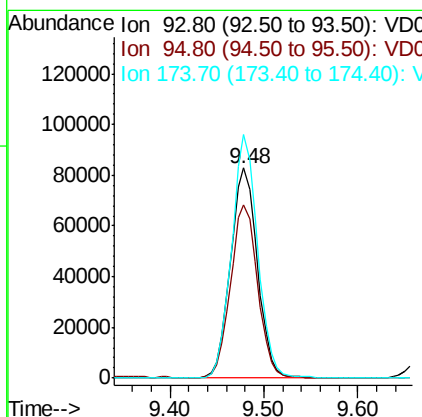
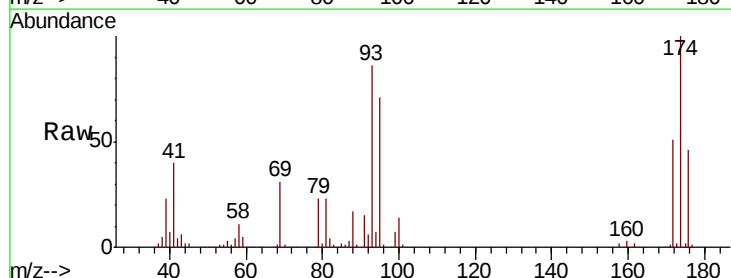
Instrument :
 MSVOA_D
 ClientSampleId :

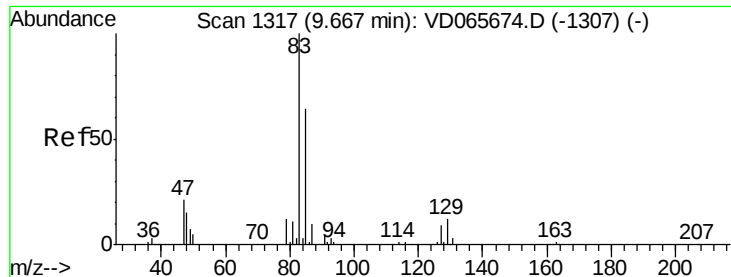
Tot Ion: 63 Resp: 318692
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



#46
 Dibromomethane
 Concen: 149.536 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 93 Resp: 165402
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.1 99.1
 174 112.0 86.4 129.6





#47

Bromodichloromethane

Concen: 145.779 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampled :

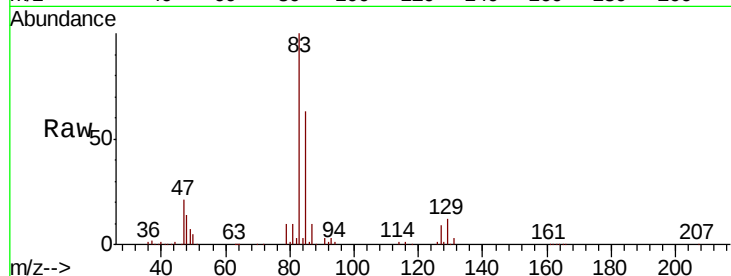
Tot Ion: 83 Resp: 439744

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.6

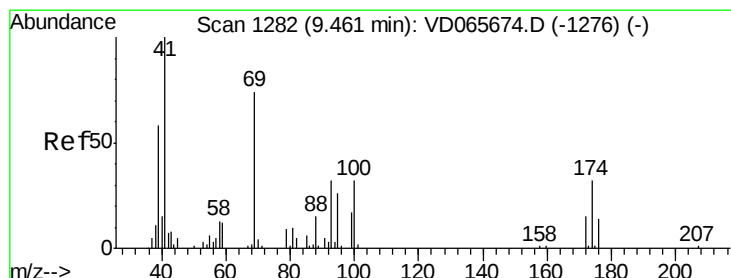
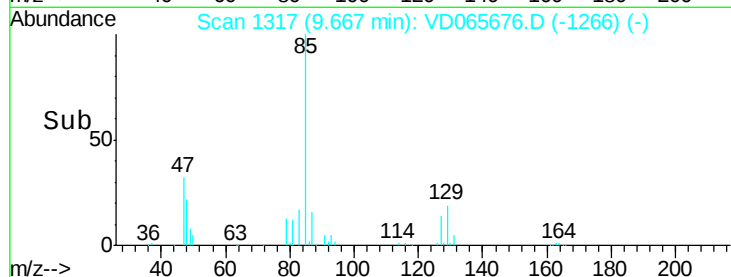
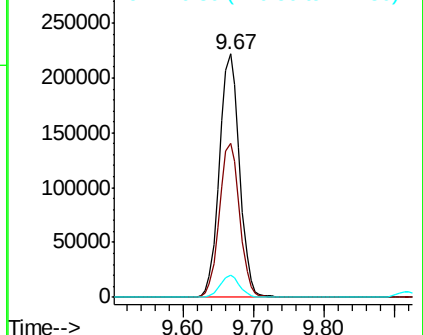
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 170.988 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

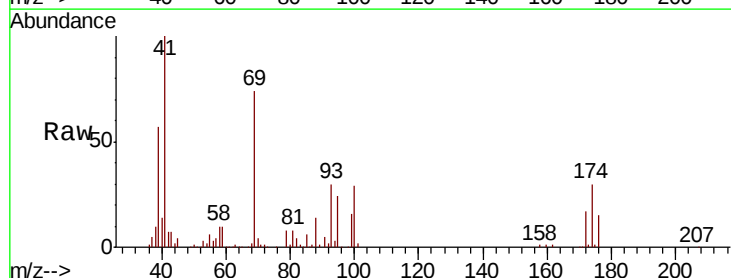
Tgt Ion: 41 Resp: 185057

Ion Ratio Lower Upper

41 100

69 81.2 62.4 93.6

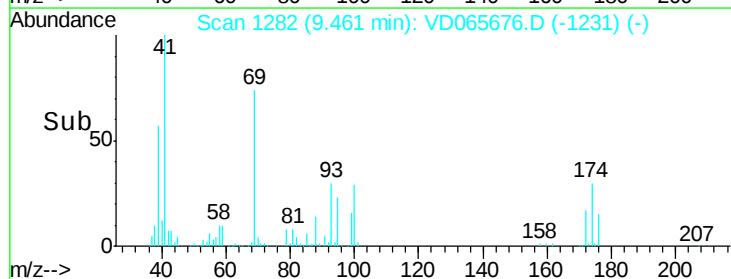
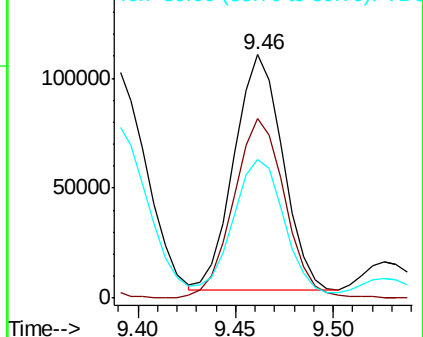
39 63.6 48.9 73.3

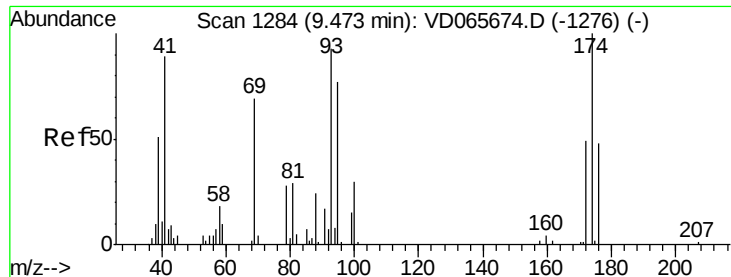


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 3392.510 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

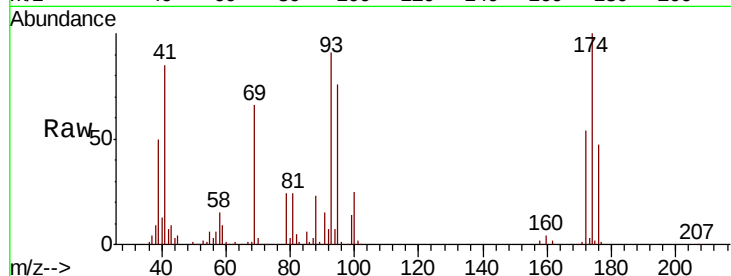
Tot Ion: 88 Resp: 40554

Ion Ratio Lower Upper

88 100

43 40.6 34.2 51.2

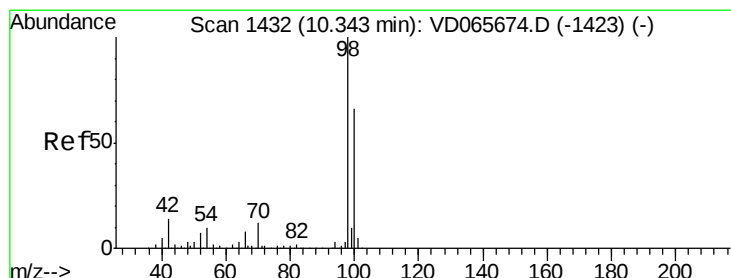
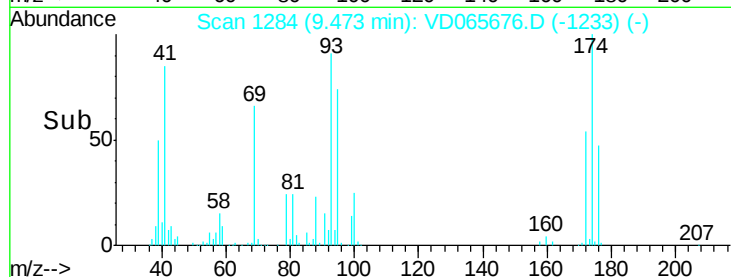
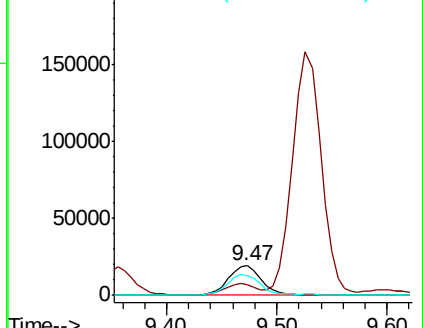
58 71.7 58.2 87.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 150.263 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065676.D

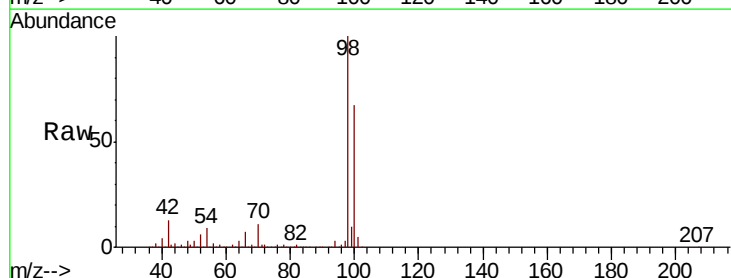
Acq: 24 Apr 2020 14:27

Tgt Ion: 98 Resp: 1041138

Ion Ratio Lower Upper

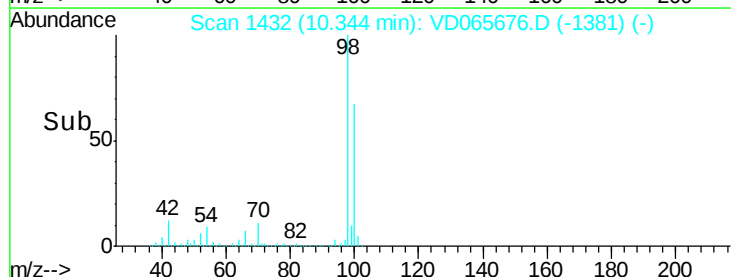
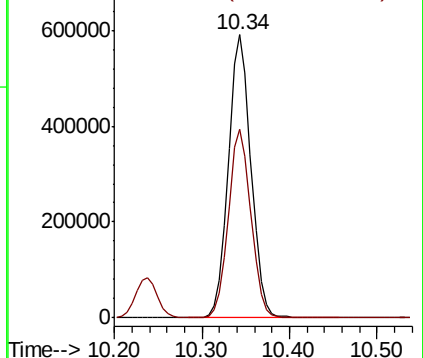
98 100

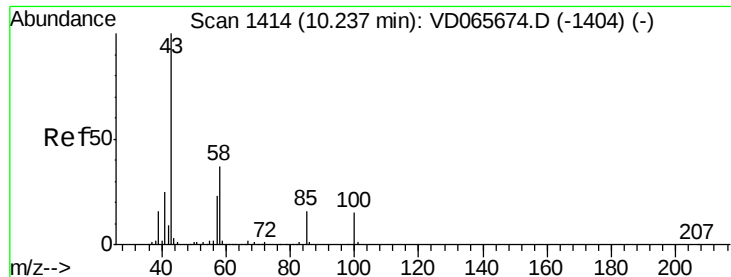
100 66.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 847.546 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

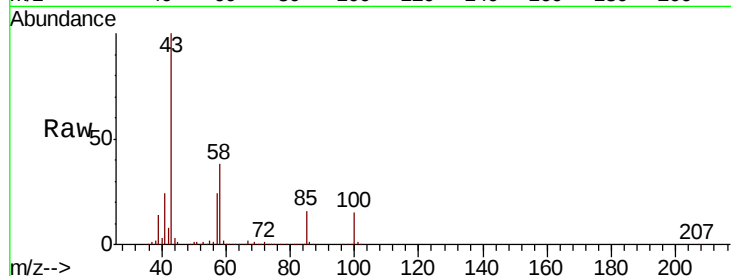
ClientSampled :

Tot Ion: 43 Resp: 974851

Ion Ratio Lower Upper

43 100

58 37.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

600000

500000

400000

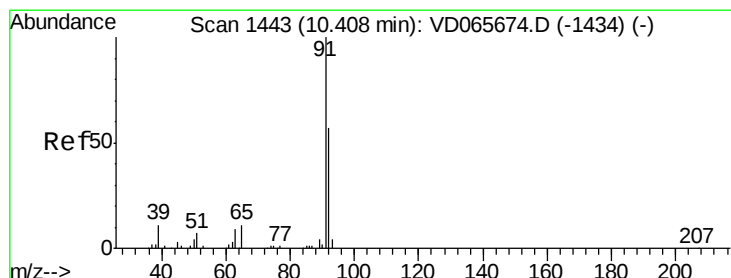
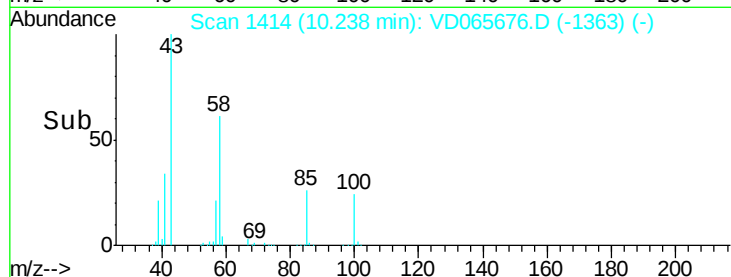
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 164.107 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065676.D

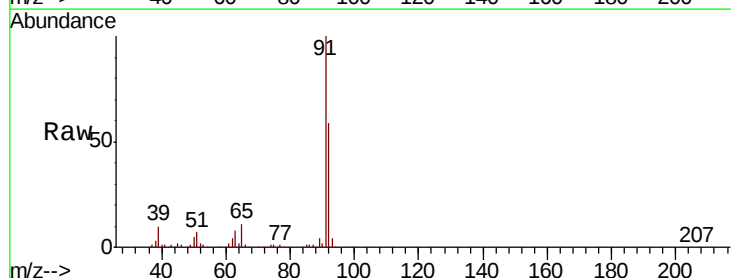
Acq: 24 Apr 2020 14:27

Tgt Ion: 92 Resp: 848731

Ion Ratio Lower Upper

92 100

91 170.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

800000

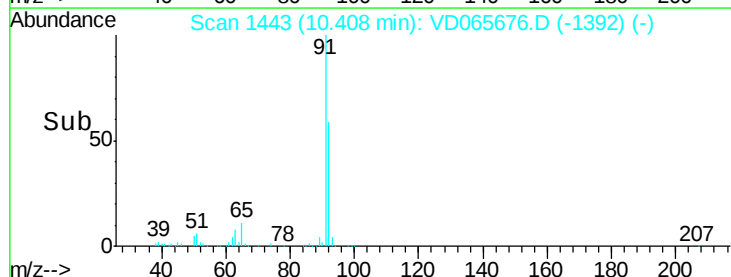
600000

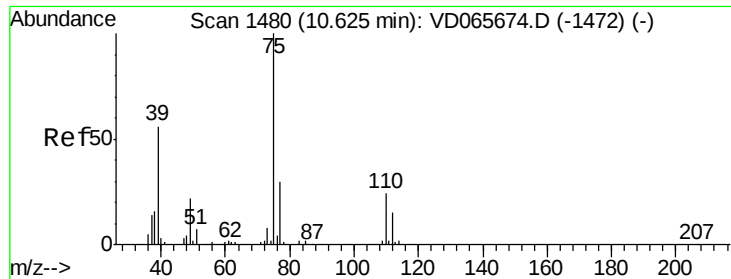
400000

200000

0

Time-->

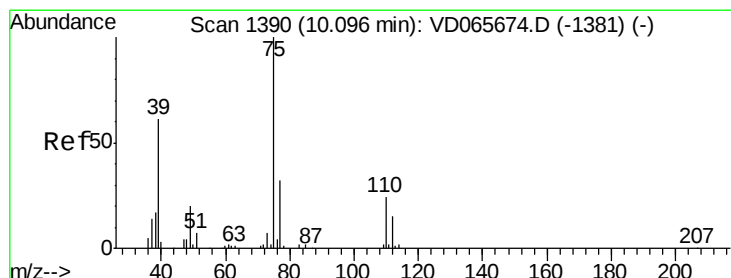
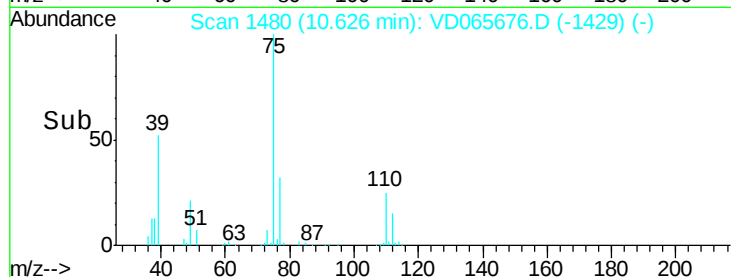
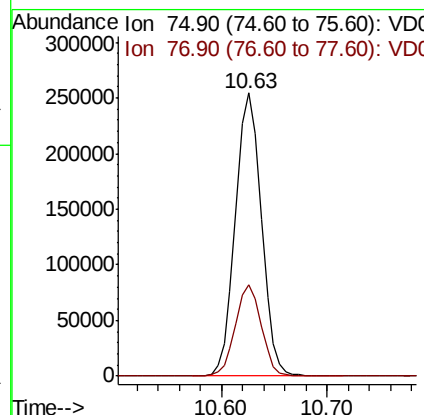
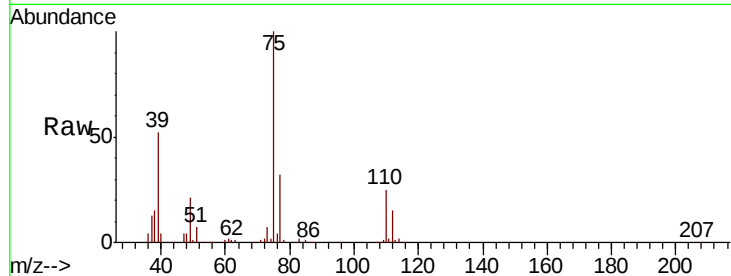




#53
t-1,3-Dichloropropene
Concen: 165.666 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

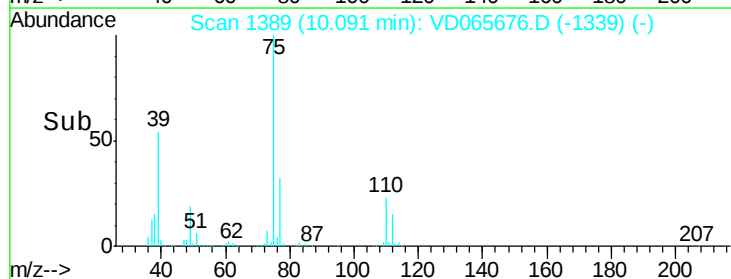
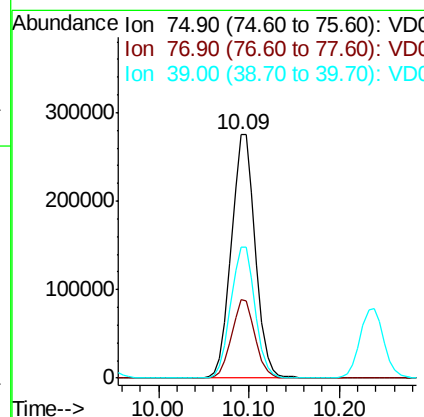
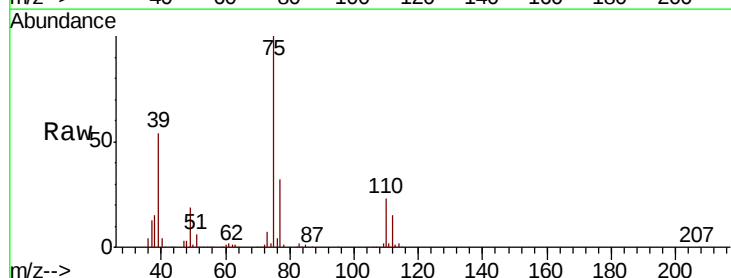
Instrument :
MSVOA_D
ClientSampled :

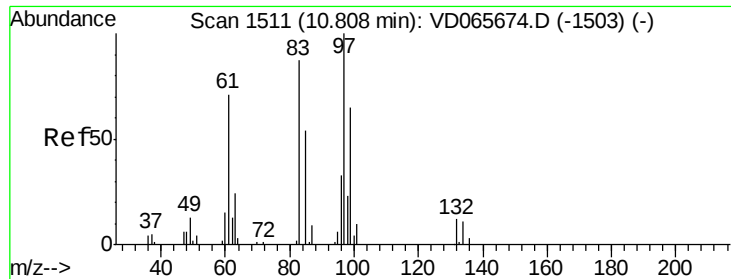
Tot Ion: 75 Resp: 434654
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 160.812 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 75 Resp: 507281
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
39 53.8 48.5 72.7

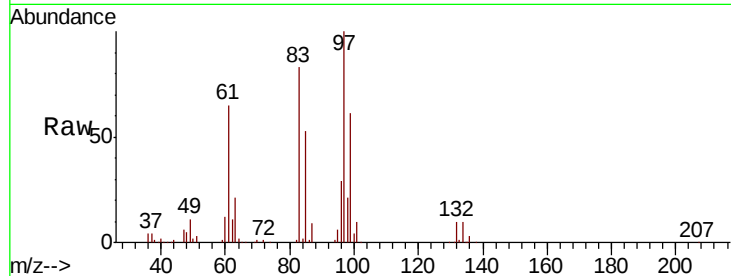




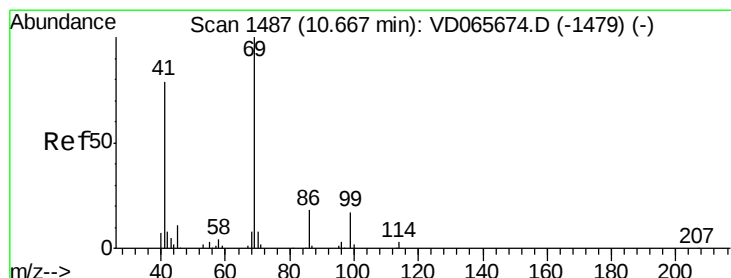
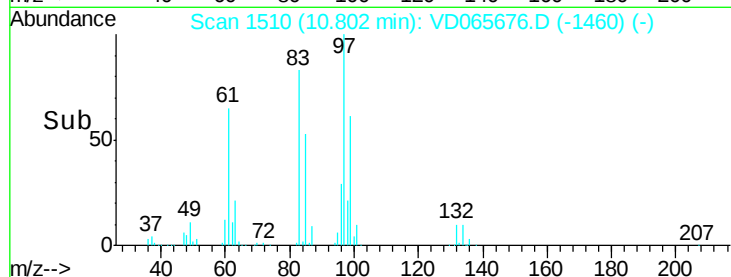
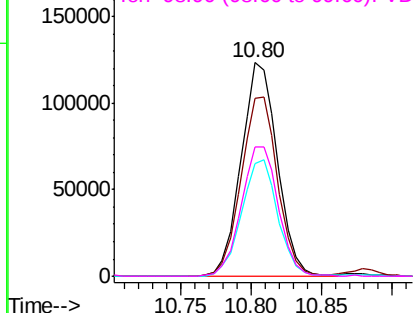
#55
 1,1,2-Trichloroethane
 Concen: 143.847 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	221861
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	53.0	43.5	65.3
99	60.6	51.7	77.5

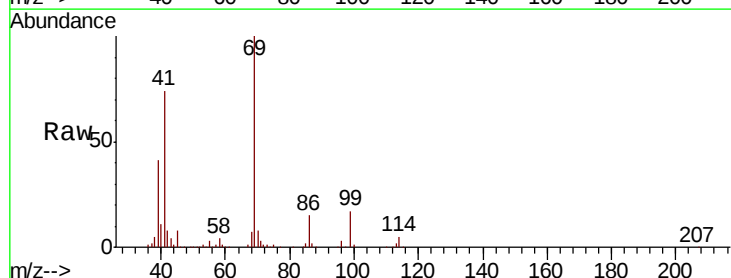


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

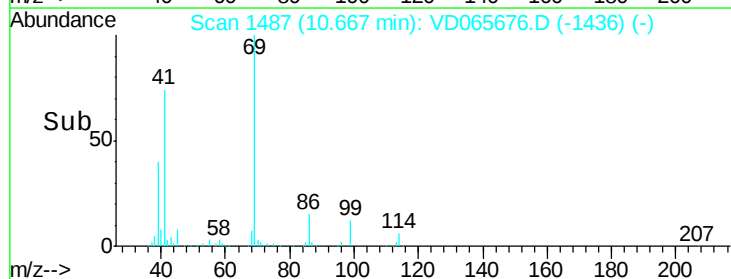
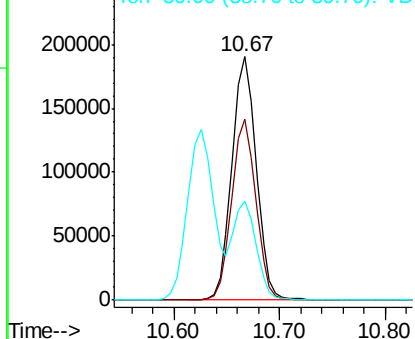


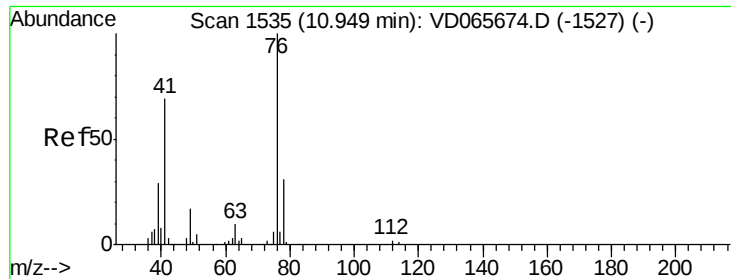
#56
 Ethyl methacrylate
 Concen: 195.956 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion:	69	Resp:	303496
Ion	Ratio	Lower	Upper
69	100		
41	73.2	62.3	93.5
39	38.3	34.4	51.6



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

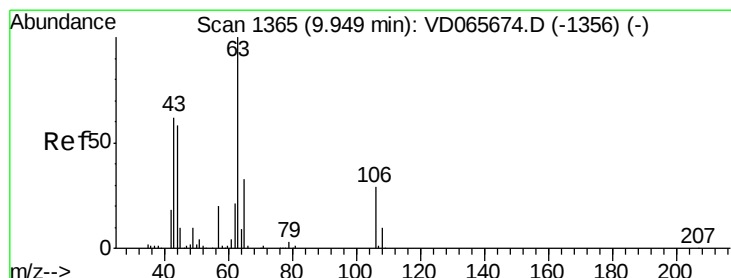
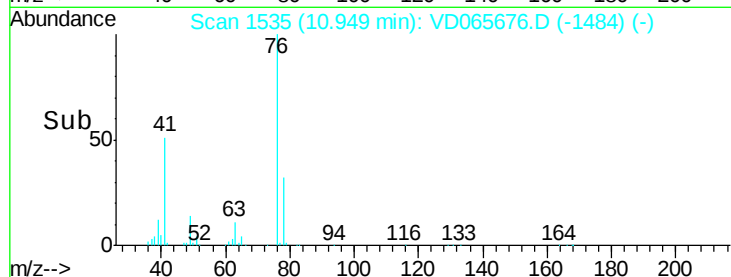
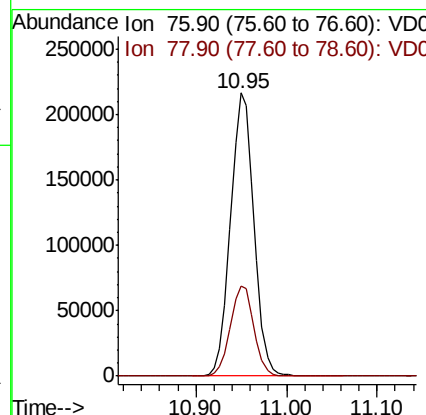
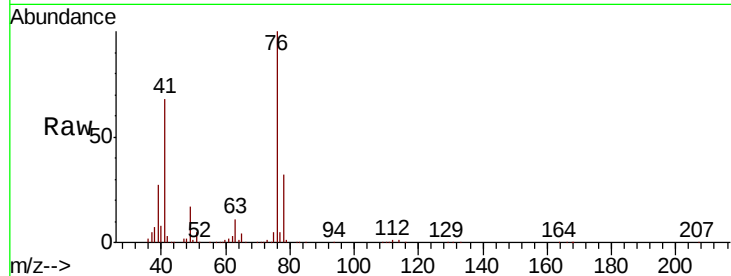




#57
 1,3-Dichloropropane
 Concen: 149.998 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

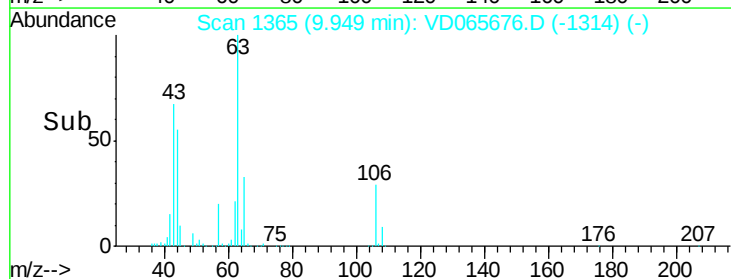
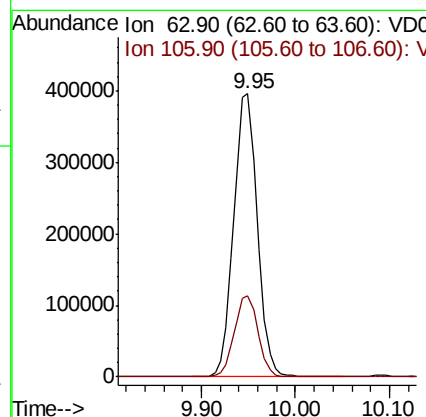
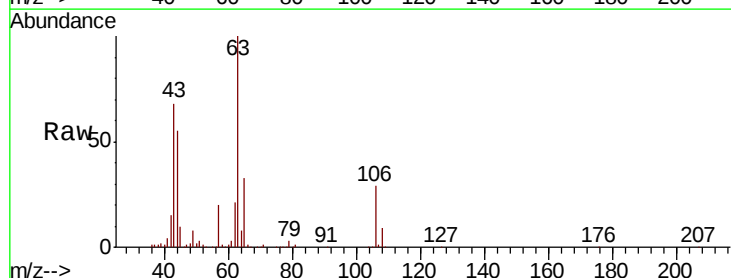
Instrument :
 MSVOA_D
 ClientSampleId :

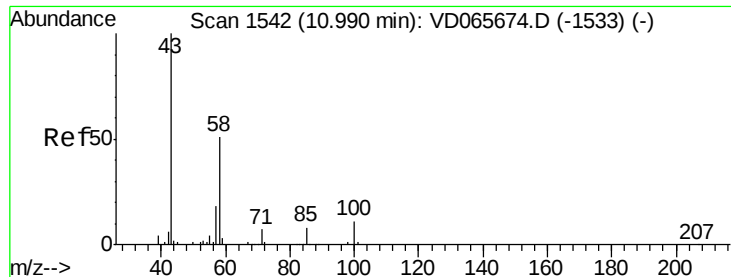
Tot Ion: 76 Resp: 388191
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 878.482 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 63 Resp: 691825
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.9 34.3

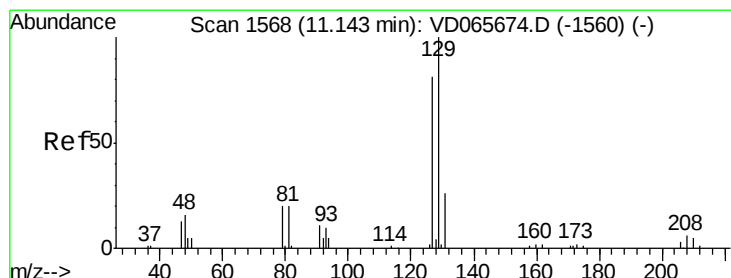
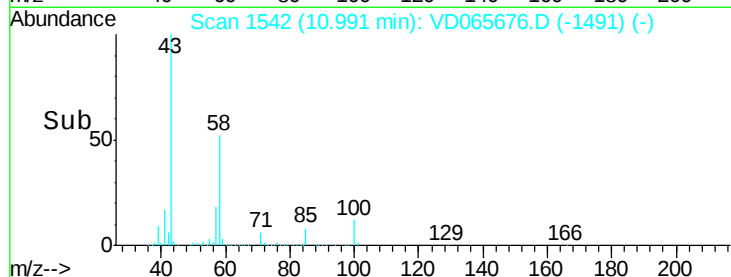
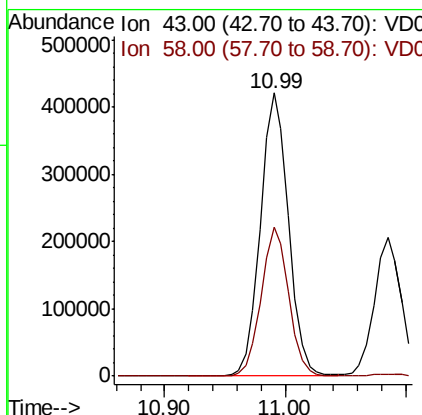
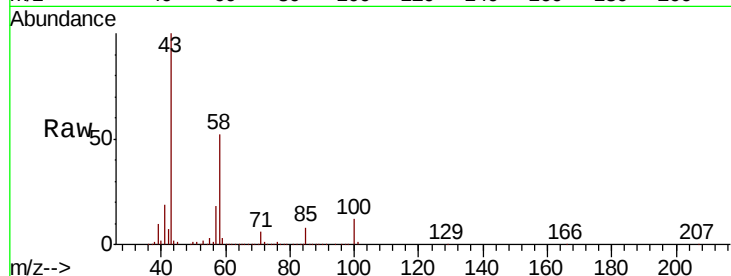




#59
2-Hexanone
Concen: 867.643 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

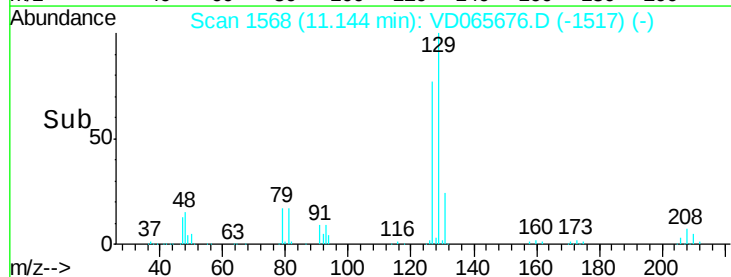
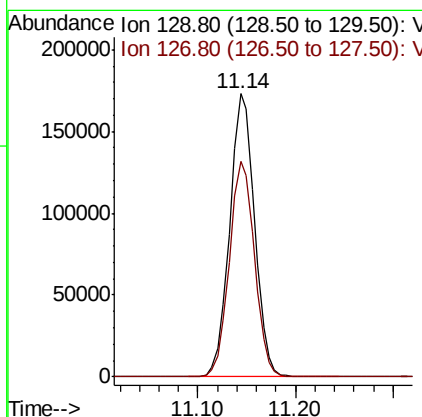
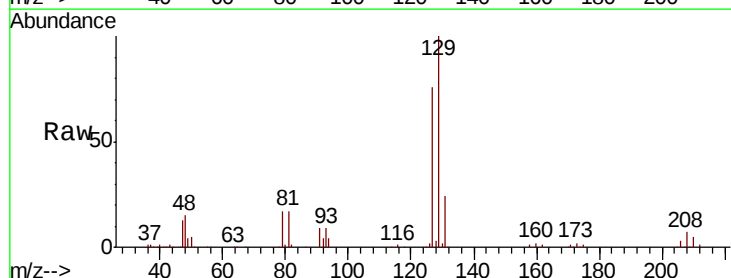
Instrument :
MSVOA_D
ClientSampleId :

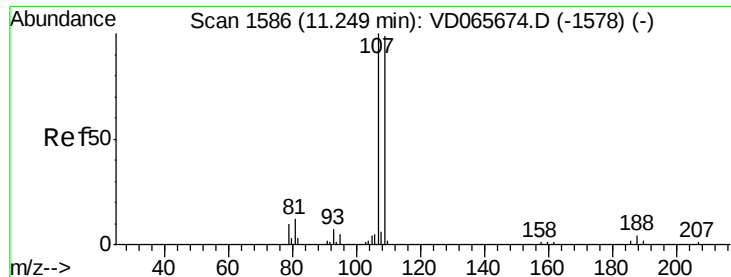
Tot Ion: 43 Resp: 681748
Ion Ratio Lower Upper
43 100
58 51.7 24.9 74.7



#60
Dibromochloromethane
Concen: 148.243 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 129 Resp: 305637
Ion Ratio Lower Upper
129 100
127 77.2 39.5 118.5

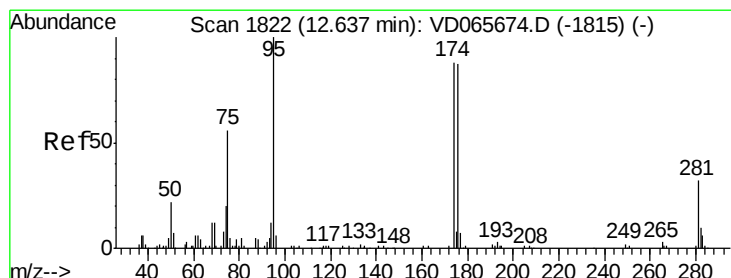
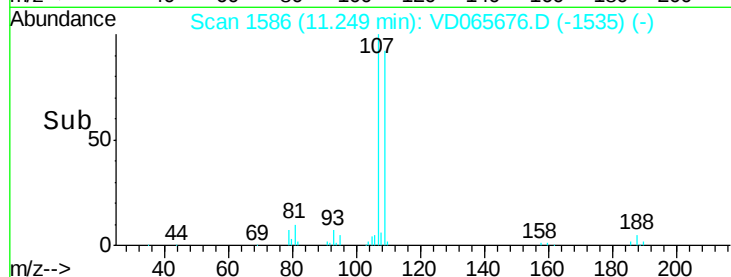
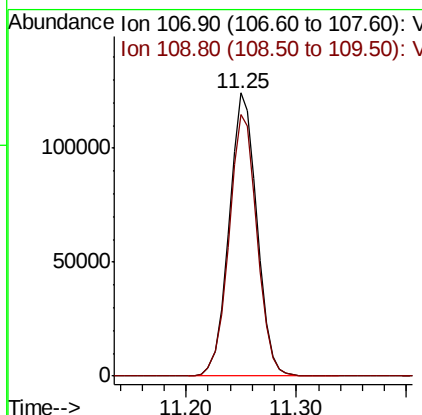
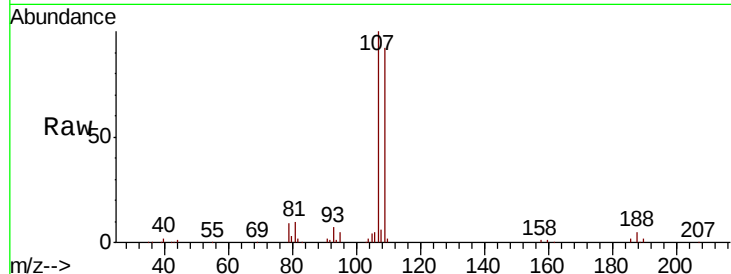




#61
 1,2-Dibromoethane
 Concen: 153.148 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

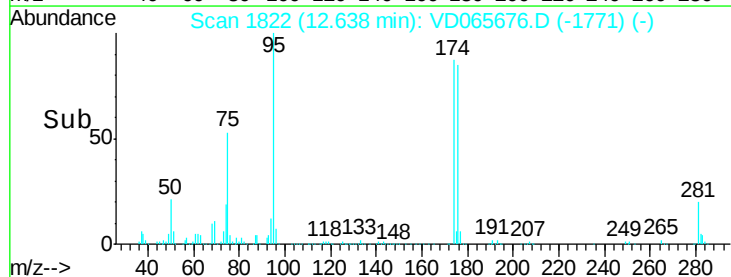
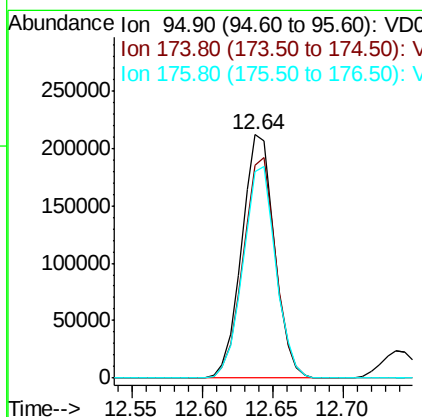
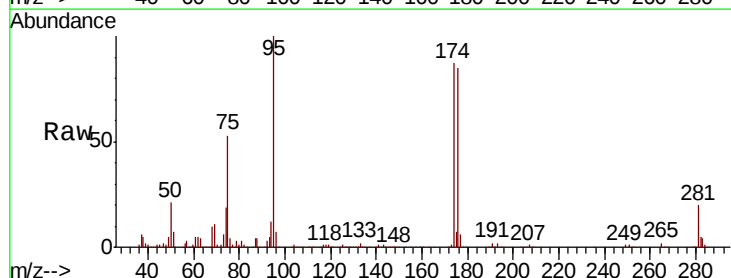
Instrument :
 MSVOA_D
 ClientSampled :

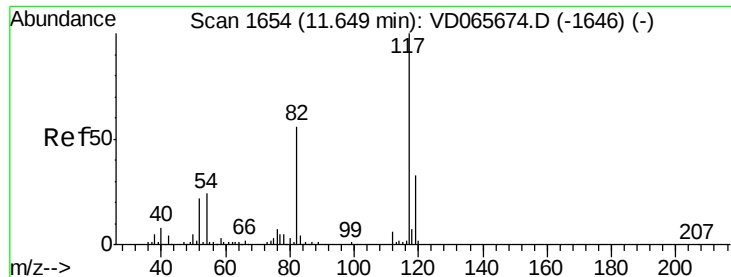
Tot Ion:107 Resp: 219206
 Ion Ratio Lower Upper
 107 100
 109 93.2 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 153.467 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 95 Resp: 345882
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 181.0
 176 86.6 0.0 178.0

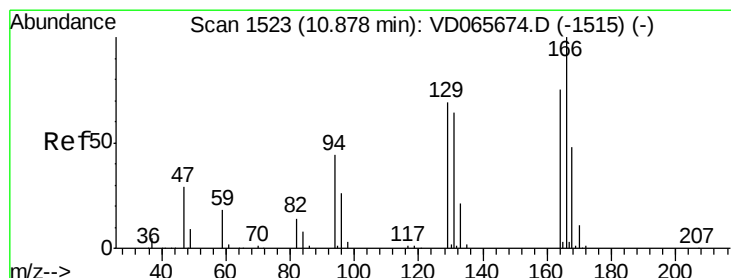
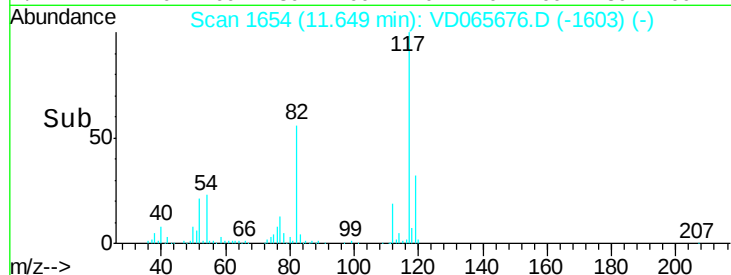
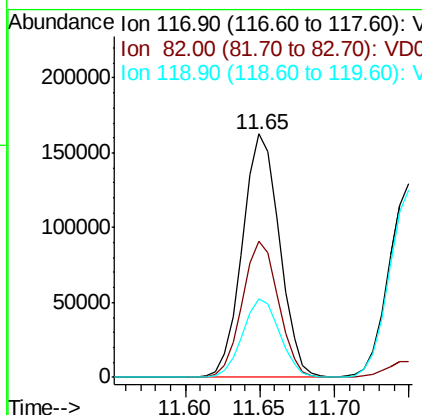
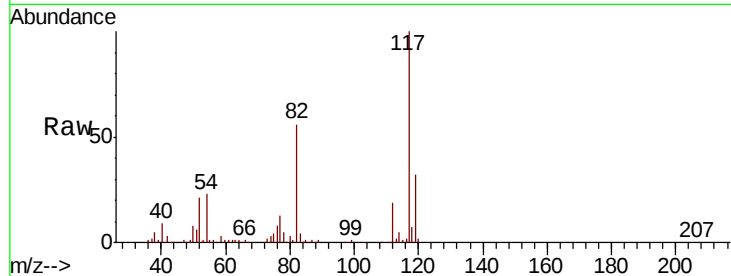




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

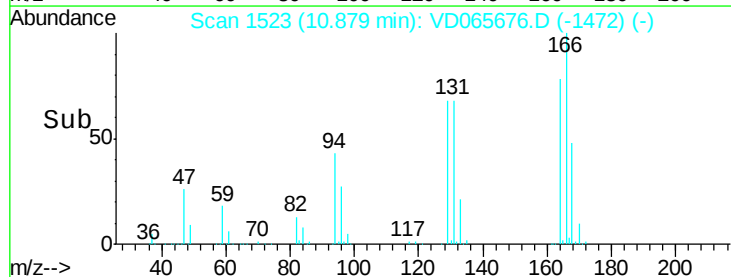
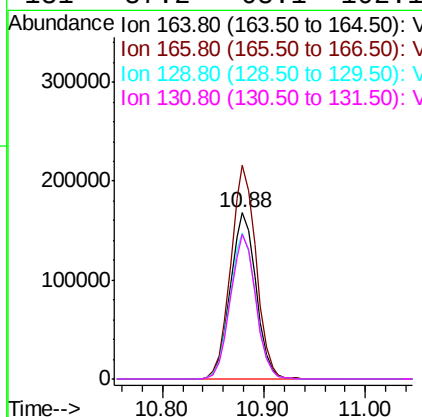
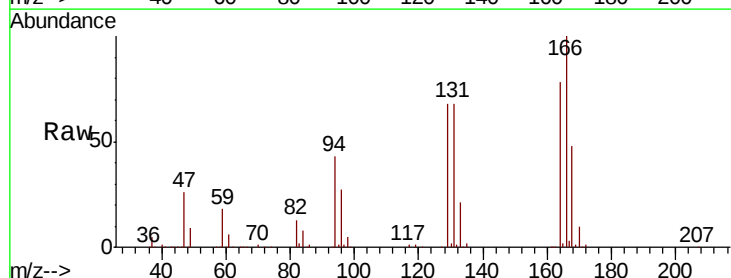
Instrument :
MSVOA_D
ClientSampleId :

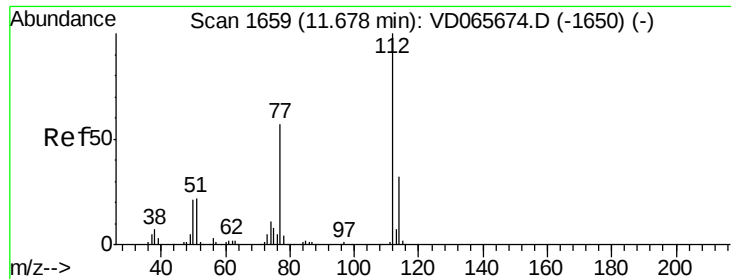
Tot Ion:117 Resp: 280472
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 135.875 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:164 Resp: 294878
Ion Ratio Lower Upper
164 100
166 128.4 106.1 159.1
129 87.9 73.0 109.4
131 87.2 68.1 102.1

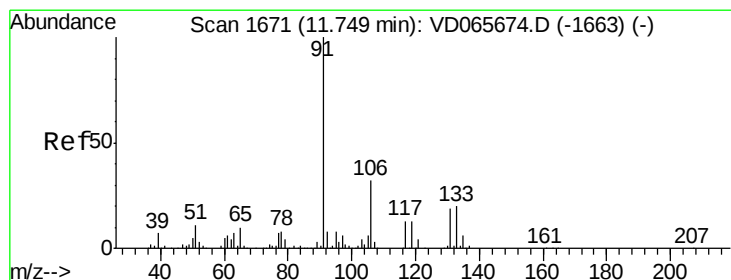
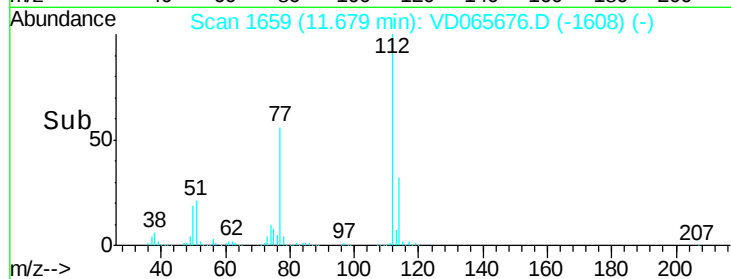
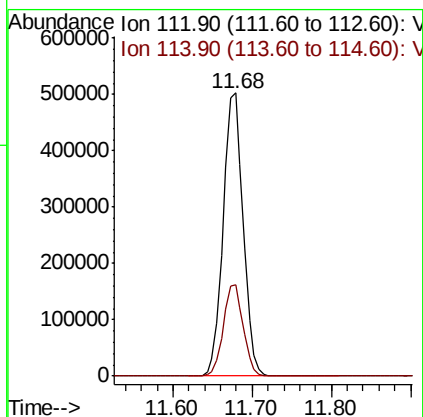
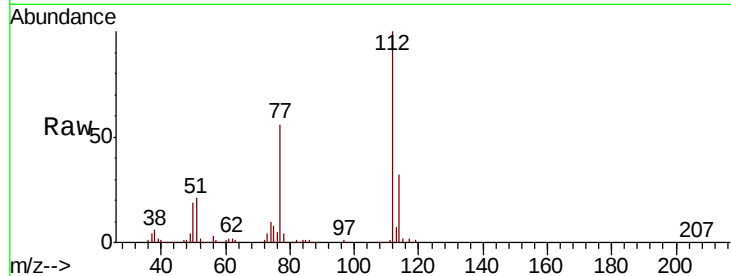




#65
Chlorobenzene
Concen: 145.544 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

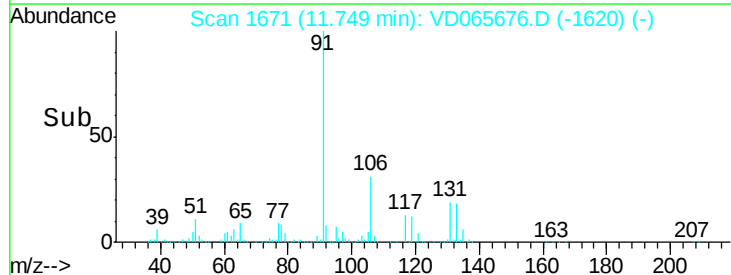
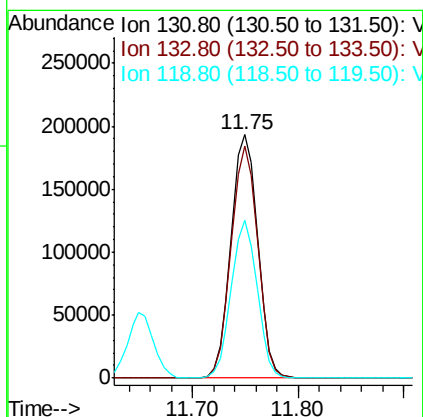
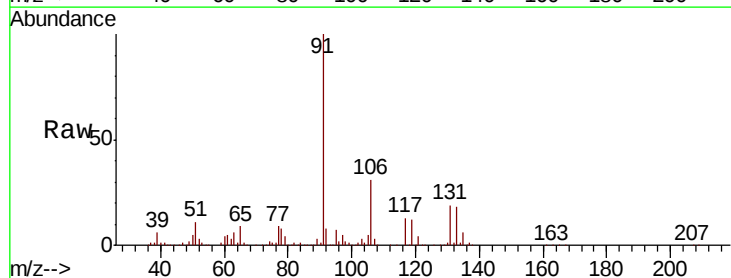
Instrument :
MSVOA_D
ClientSampled :

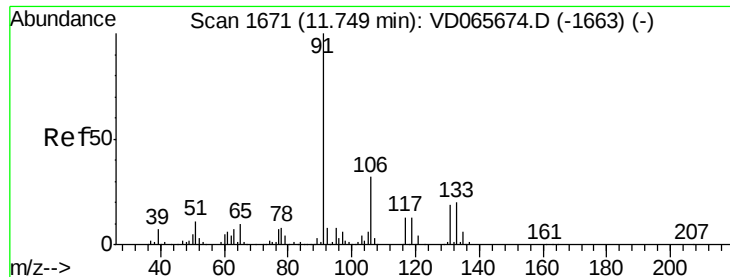
Tot Ion:112 Resp: 875106
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 145.100 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:131 Resp: 338384
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.7
119 63.1 32.6 97.7





#67

Ethyl Benzene

Concen: 161.961 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

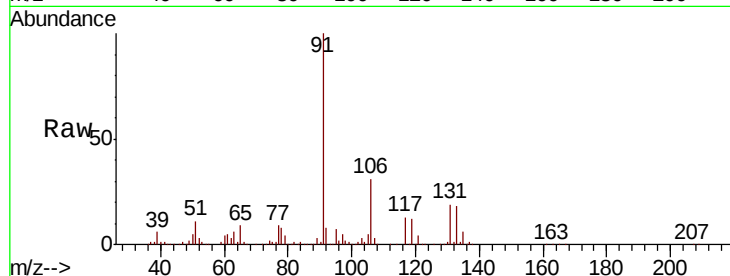
ClientSampled :

Tot Ion: 91 Resp: 1627903

Ion Ratio Lower Upper

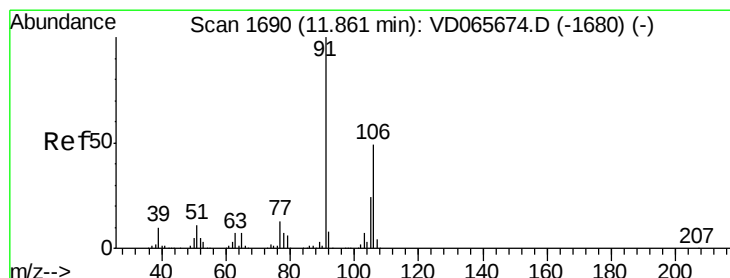
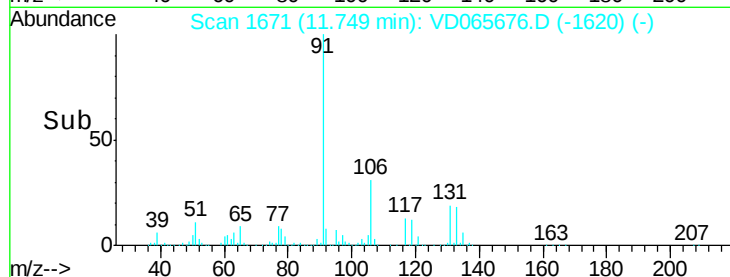
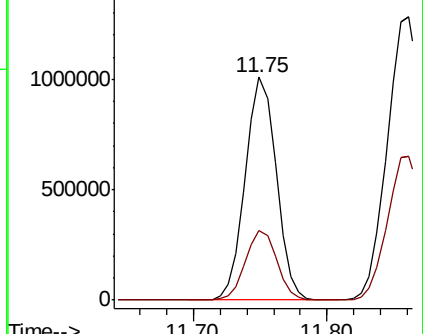
91 100

106 31.4 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 320.499 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065676.D

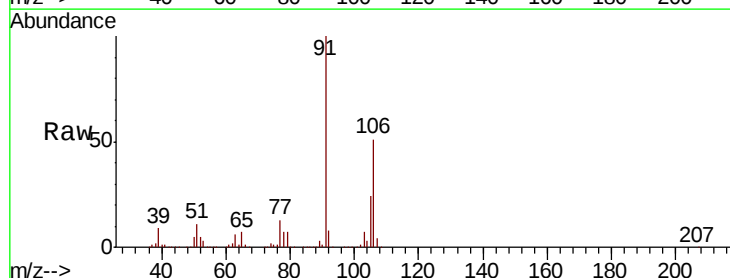
Acq: 24 Apr 2020 14:27

Tgt Ion: 106 Resp: 1254033

Ion Ratio Lower Upper

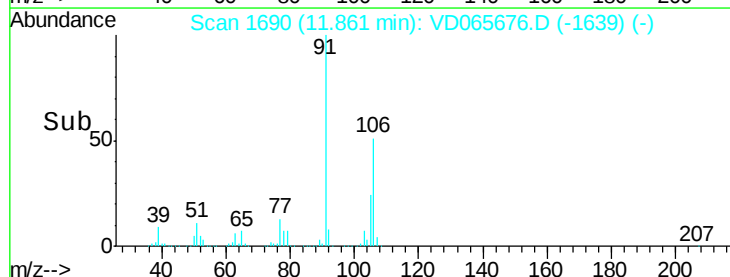
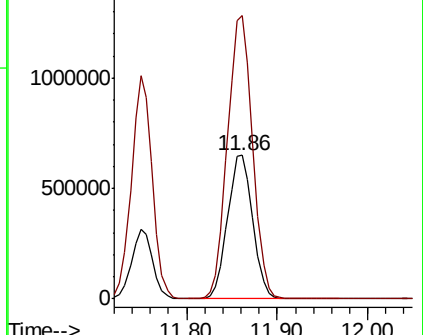
106 100

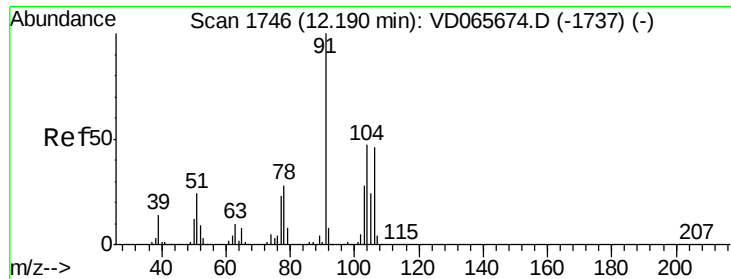
91 197.2 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

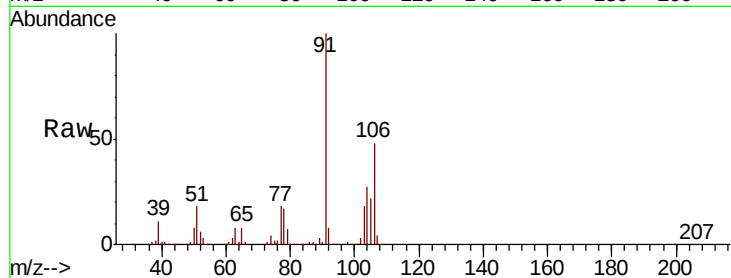




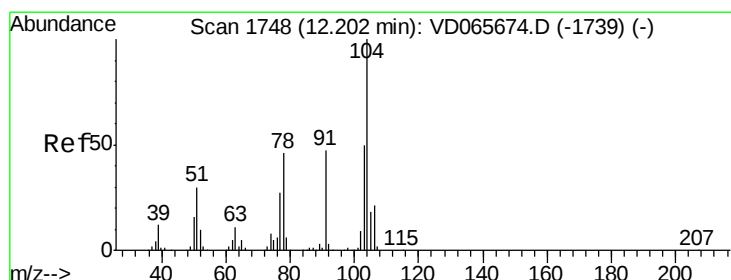
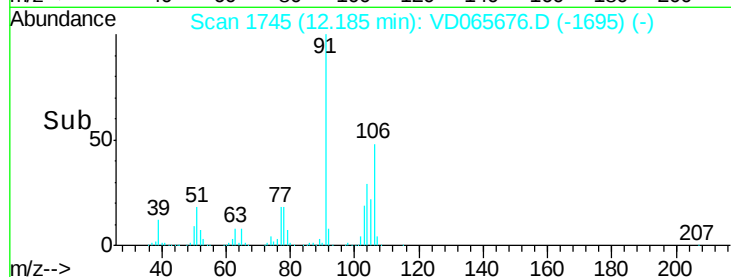
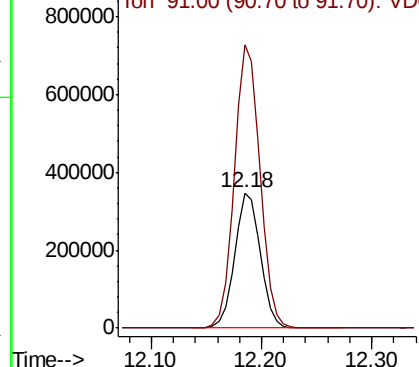
#69
o-Xylene
Concen: 169.744 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 564705
Ion Ratio Lower Upper
106 100
91 209.6 109.9 329.8

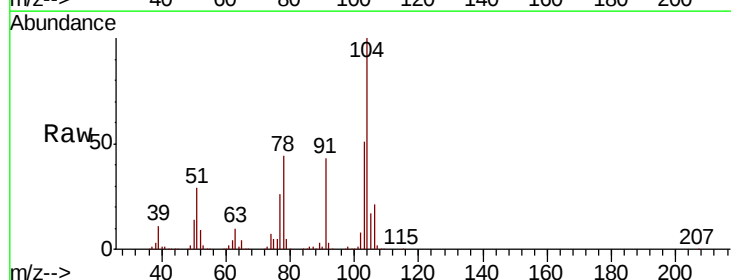


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

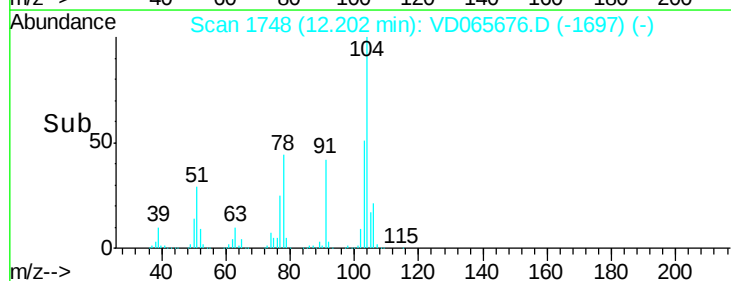
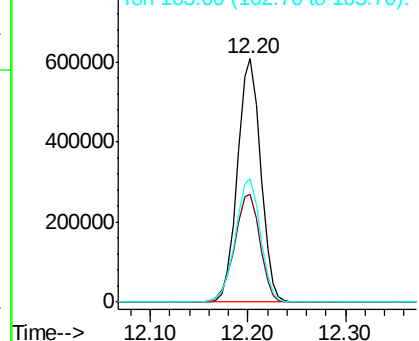


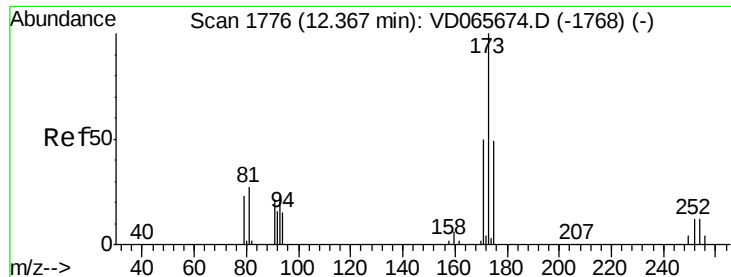
#70
Styrene
Concen: 167.388 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:104 Resp: 1007089
Ion Ratio Lower Upper
104 100
78 48.6 39.6 59.4
103 54.6 43.7 65.5



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





#71

Bromoform

Concen: 140.264 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

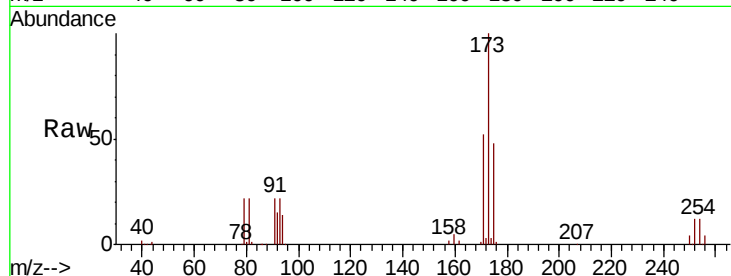
Tot Ion:173 Resp: 182857

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

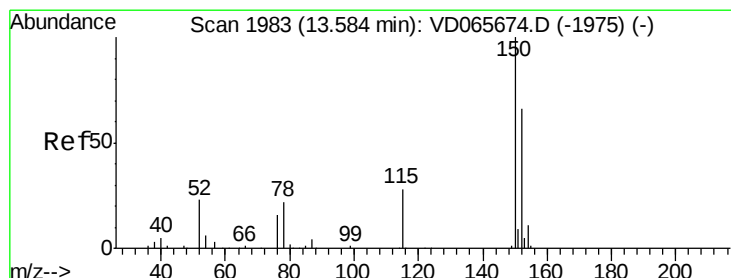
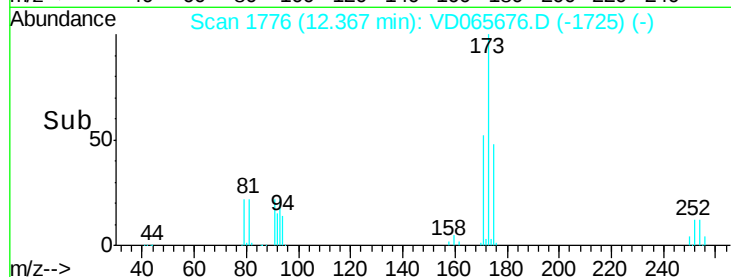
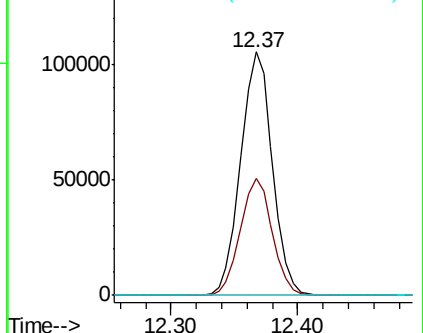
254 0.1 0.0 0.0#



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: VD065676.D

Acq: 24 Apr 2020 14:27

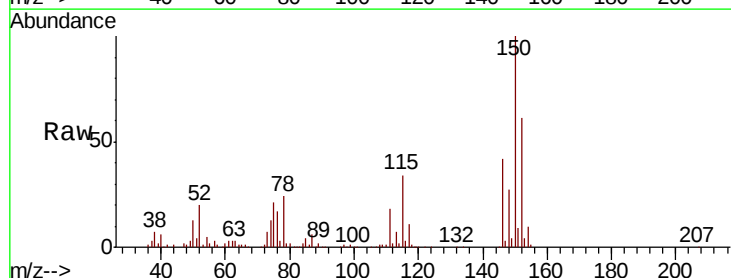
Tgt Ion:152 Resp: 146489

Ion Ratio Lower Upper

152 100

115 55.0 28.1 84.2

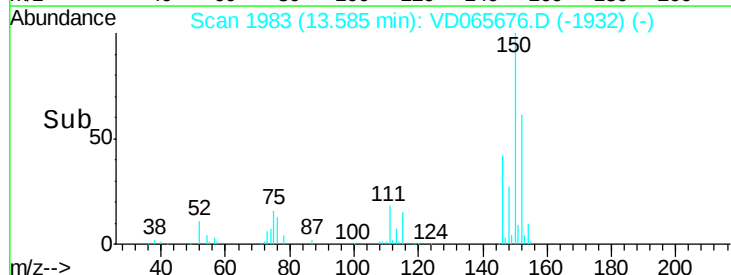
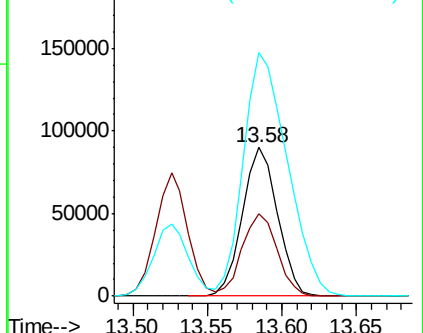
150 205.2 0.0 343.2

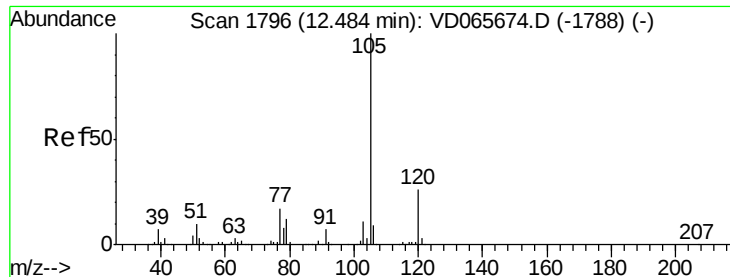


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 167.935 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

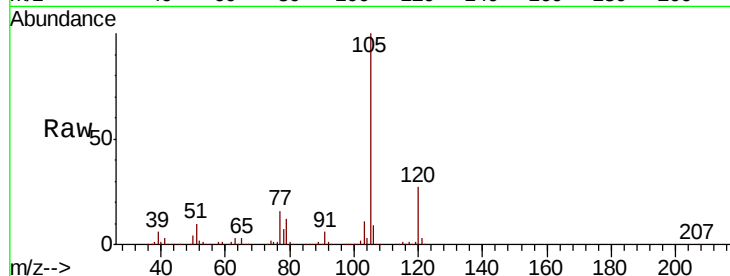
ClientSampleId :

Tot Ion:105 Resp: 1506779

Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

1000000

800000

600000

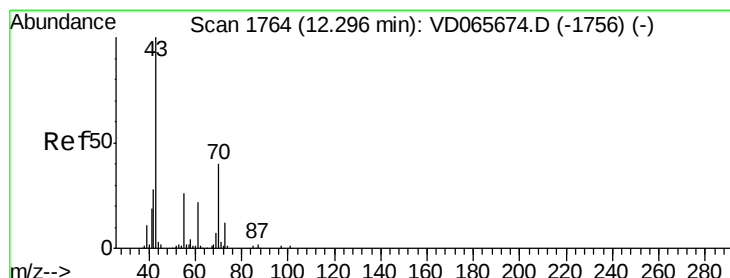
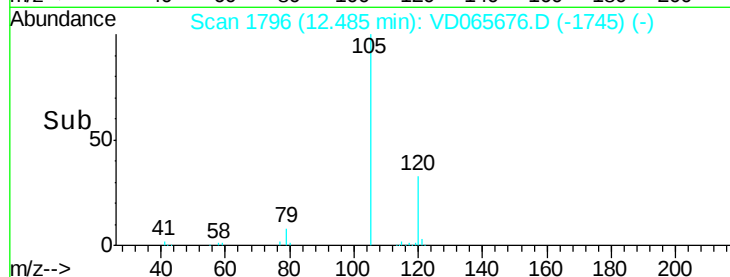
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 176.402 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Tgt Ion: 43 Resp: 358294

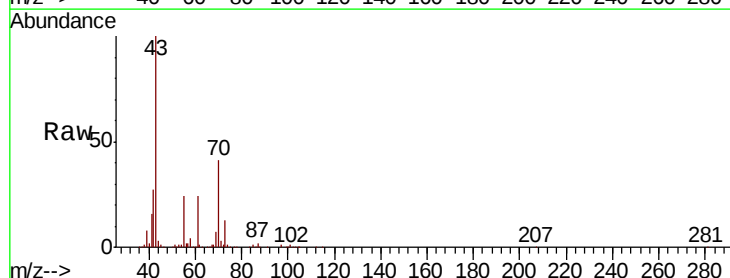
Ion Ratio Lower Upper

43 100

70 40.7 32.2 48.4

55 24.8 21.4 32.2

61 23.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

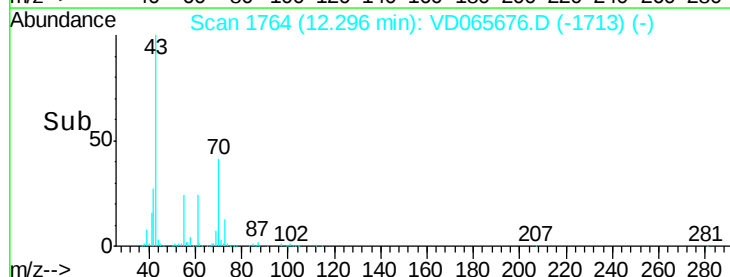
200000

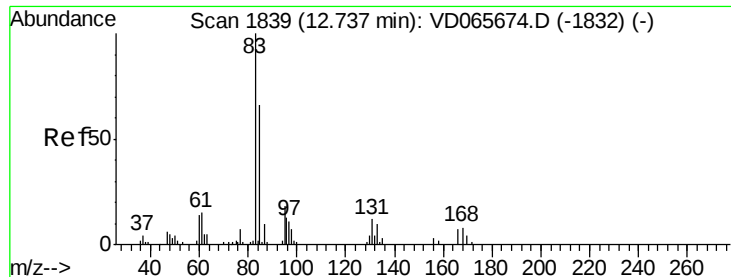
100000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 137.832 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

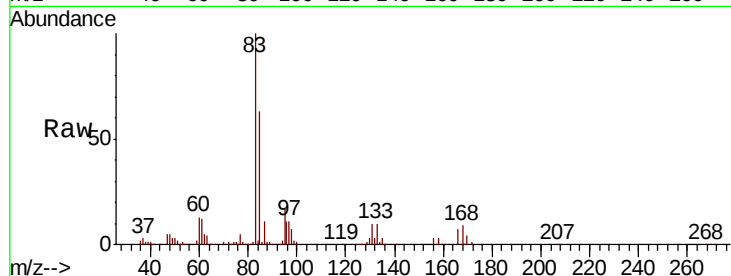
Tot Ion: 83 Resp: 236645

Ion Ratio Lower Upper

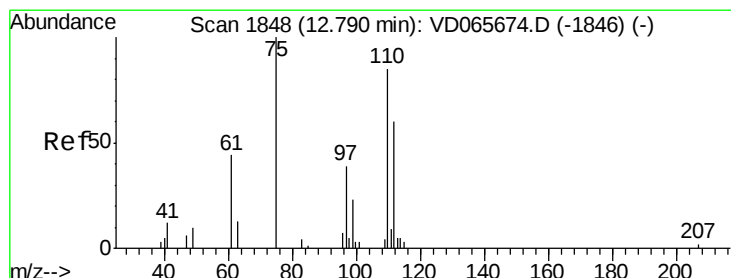
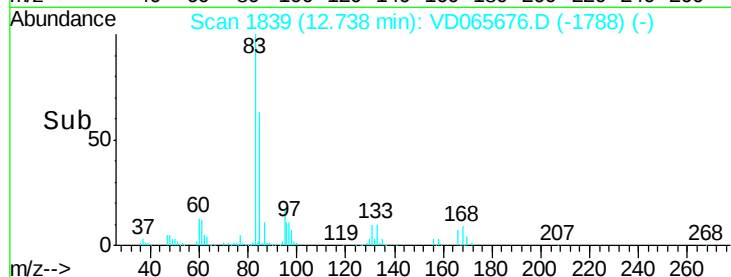
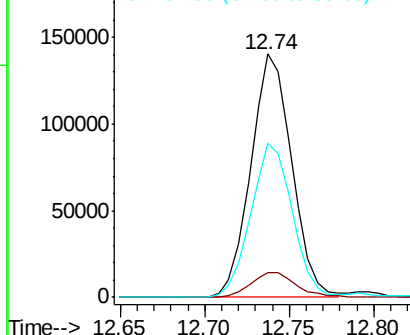
83 100

131 11.3 5.5 16.7

85 64.0 32.1 96.3



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: 285.834 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065676.D

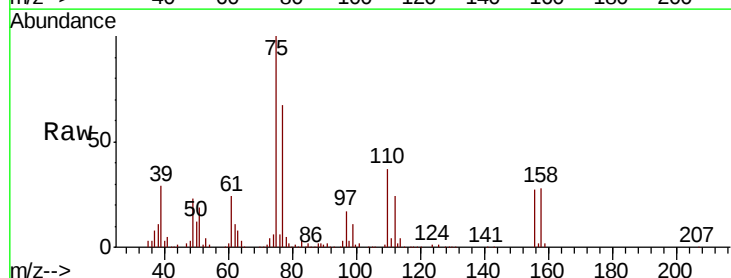
Acq: 24 Apr 2020 14:27

Tgt Ion: 75 Resp: 336842

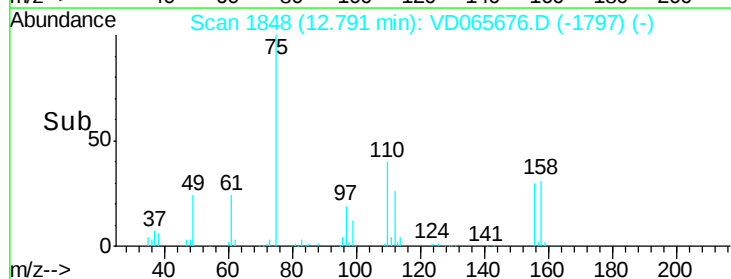
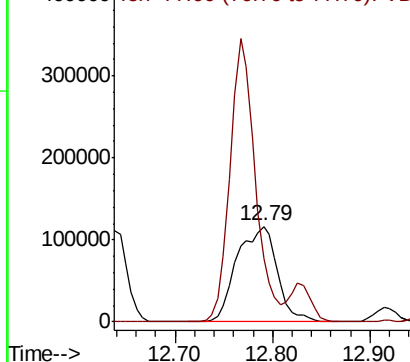
Ion Ratio Lower Upper

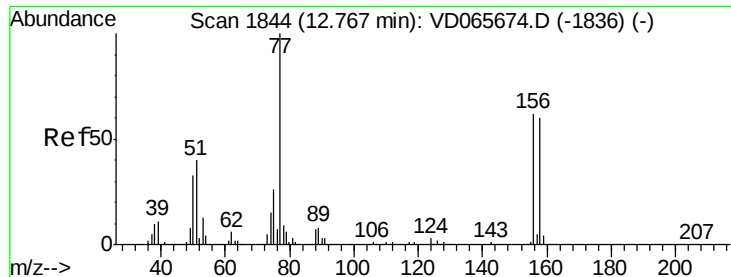
75 100

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: 150.242 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

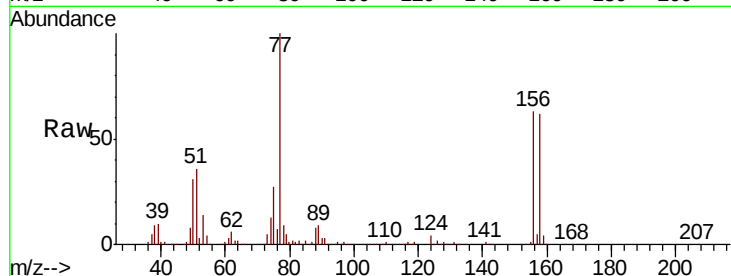
Tot Ion:156 Resp: 360692

Ion Ratio Lower Upper

156 100

77 172.4 87.3 261.9

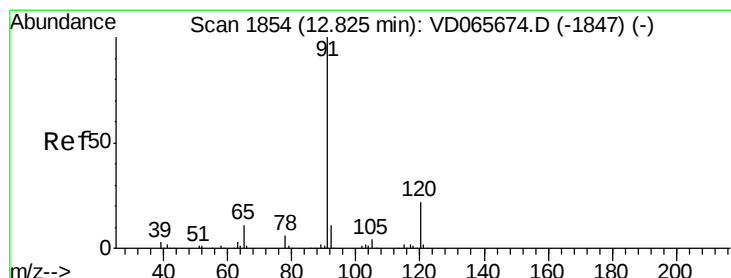
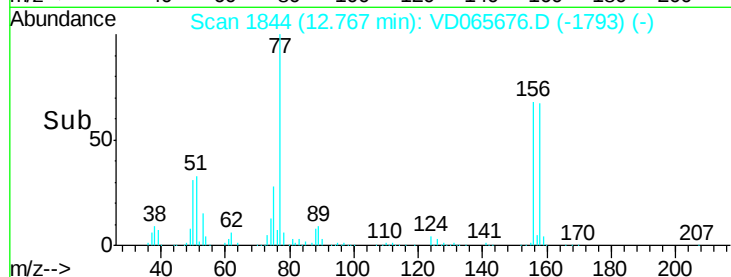
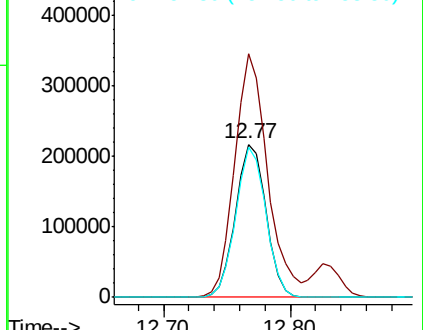
158 97.3 47.8 143.4



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: 160.383 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065676.D

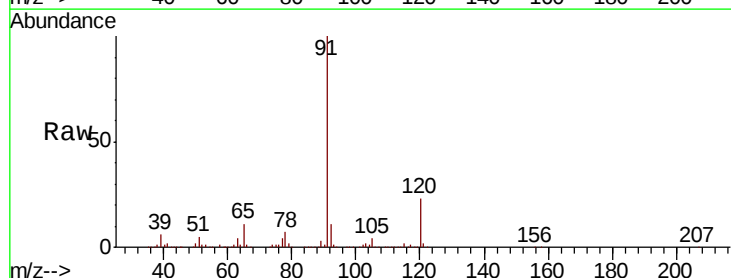
Acq: 24 Apr 2020 14:27

Tgt Ion: 91 Resp: 1786930

Ion Ratio Lower Upper

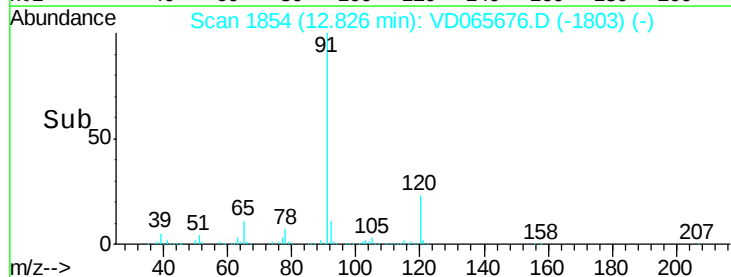
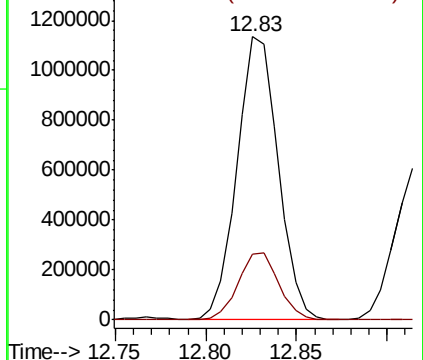
91 100

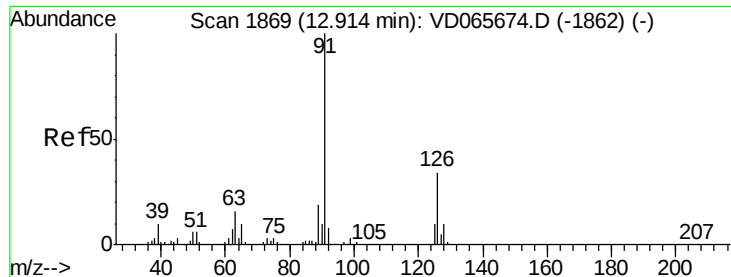
120 23.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 156.643 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

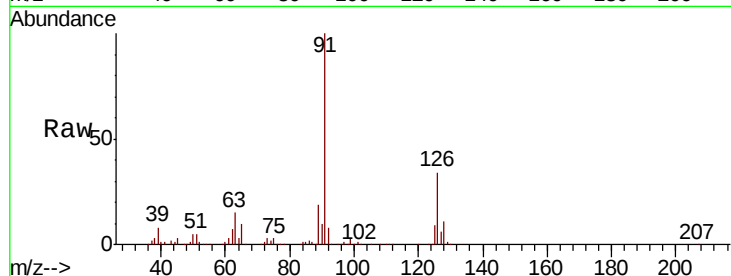
ClientSampled :

Tot Ion: 91 Resp: 999289

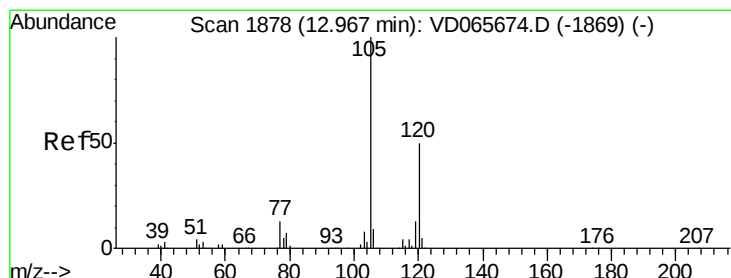
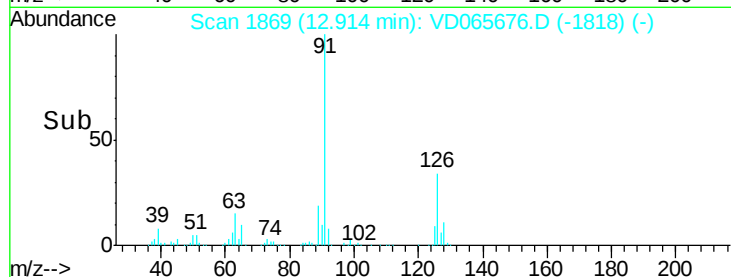
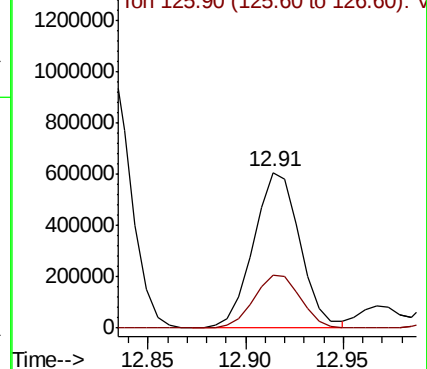
Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VD065676.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 166.363 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065676.D

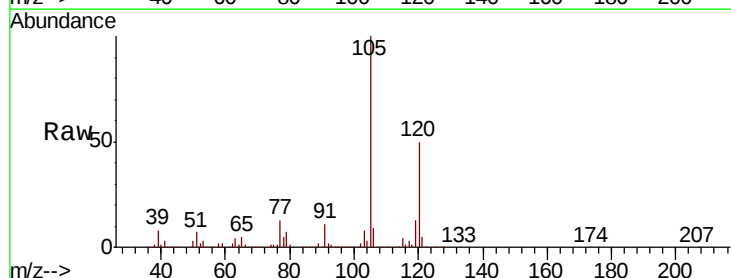
Acq: 24 Apr 2020 14:27

Tgt Ion:105 Resp: 1273250

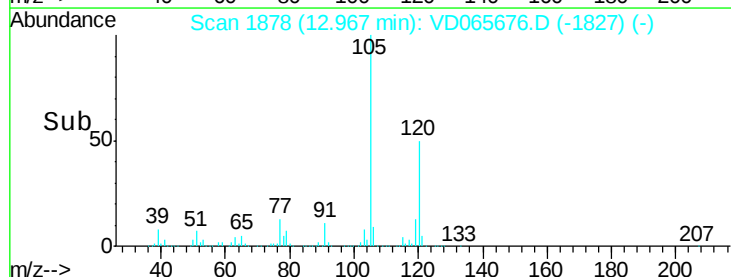
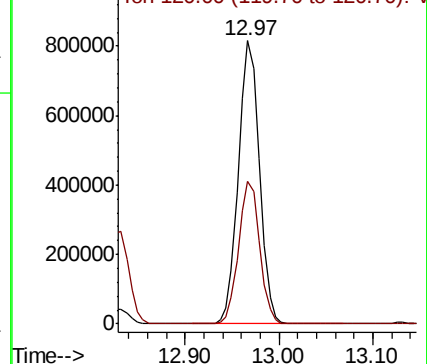
Ion Ratio Lower Upper

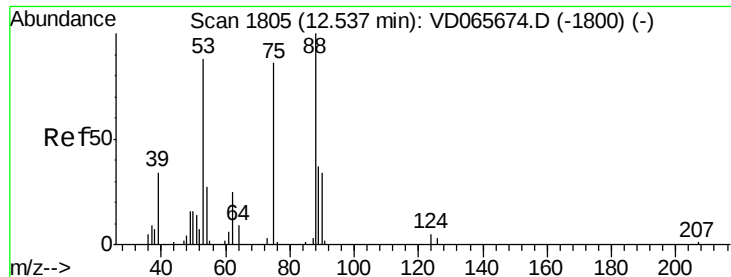
105 100

120 50.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD065676.D (-1878) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 160.157 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

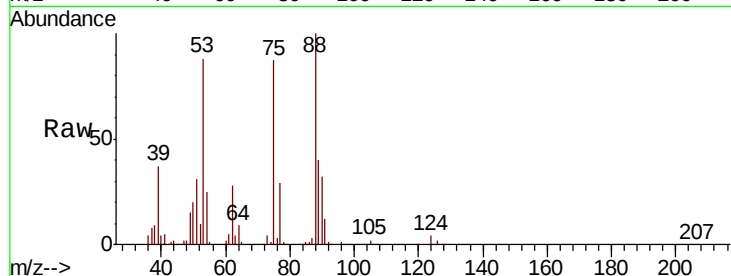
Tot Ion: 75 Resp: 86805

Ion Ratio Lower Upper

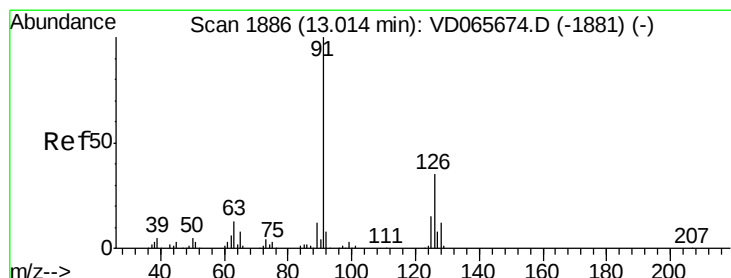
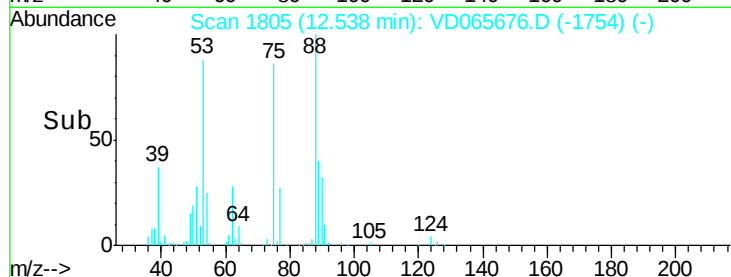
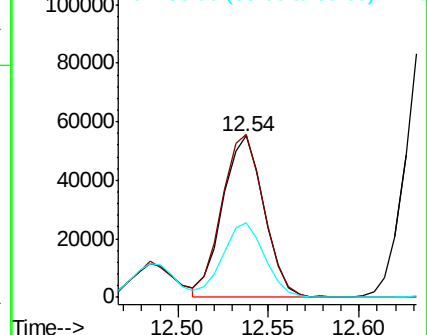
75 100

53 103.6 86.6 129.8

89 47.3 38.2 57.4



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: 153.646 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065676.D

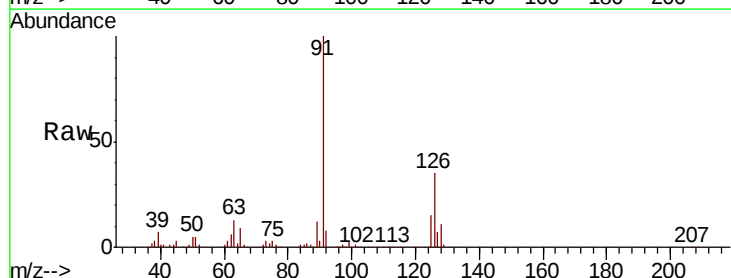
Acq: 24 Apr 2020 14:27

Tgt Ion: 91 Resp: 1060699

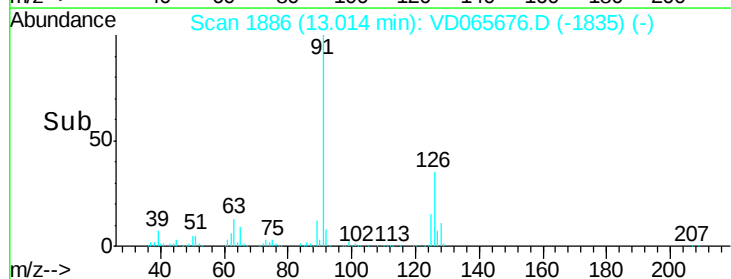
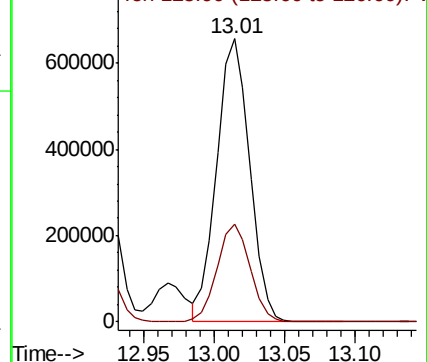
Ion Ratio Lower Upper

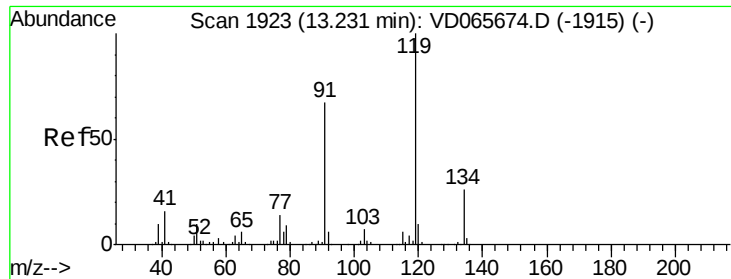
91 100

126 34.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

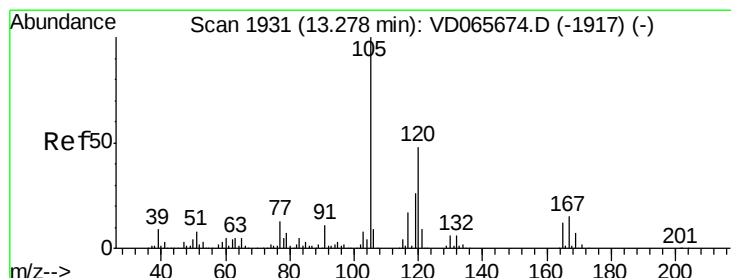
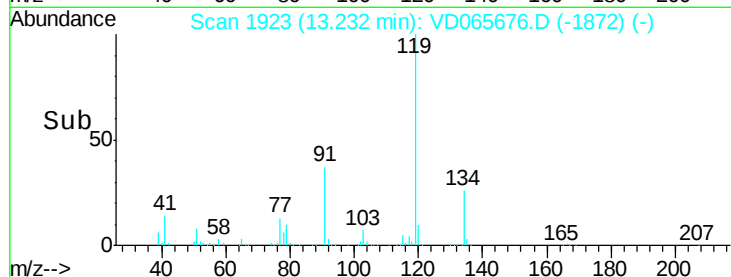
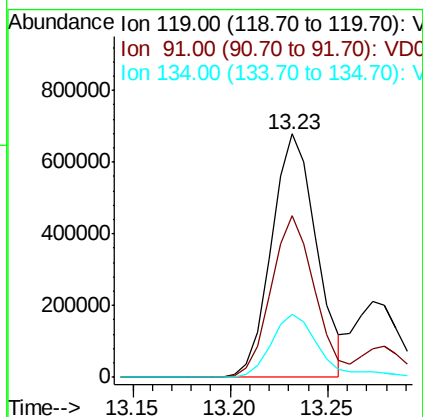
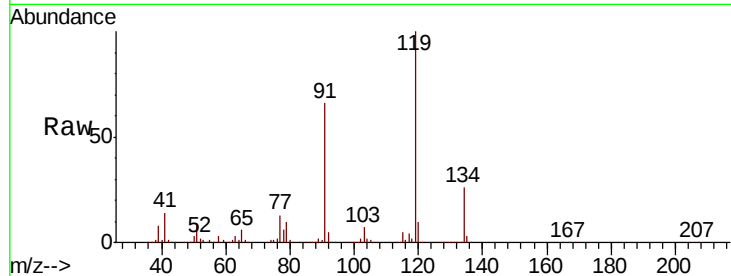




#83
tert-Butylbenzene
Concen: 173.661 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

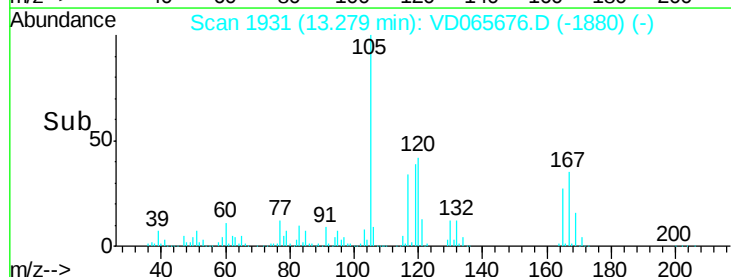
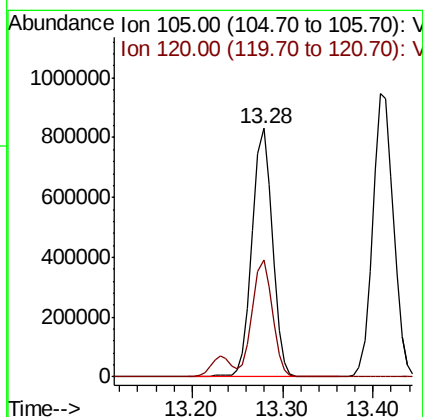
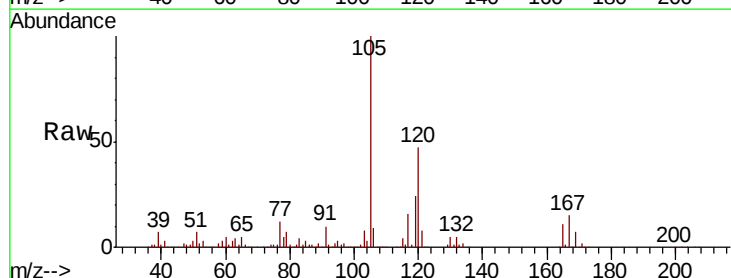
Instrument :
MSVOA_D
ClientSampled :

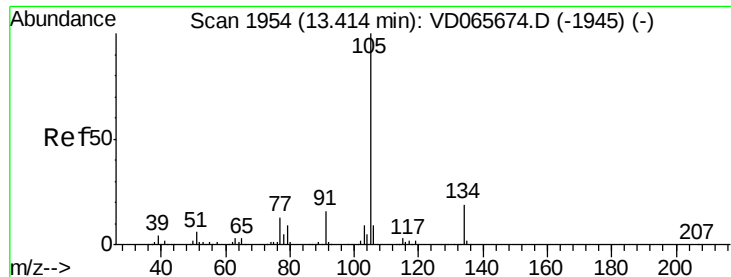
Tot Ion:119 Resp: 1079455
Ion Ratio Lower Upper
119 100
91 64.9 33.3 99.9
134 28.0 14.2 42.6



#84
1,2,4-Trimethylbenzene
Concen: 170.040 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:105 Resp: 1293878
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.5

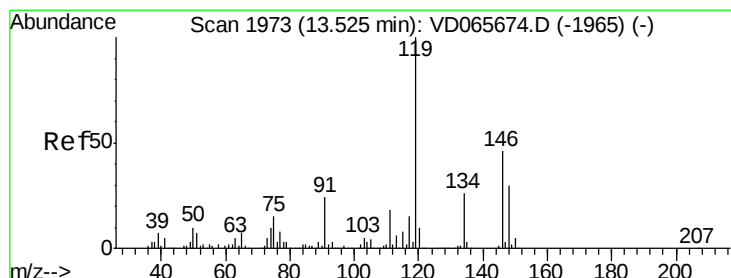
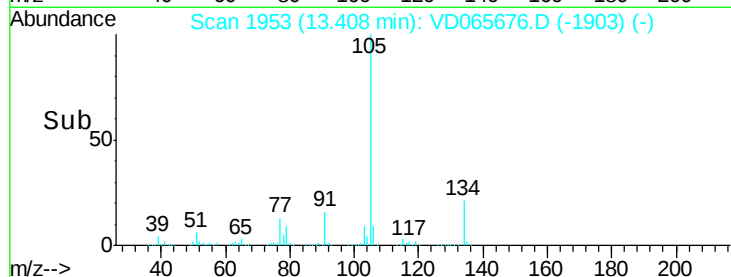
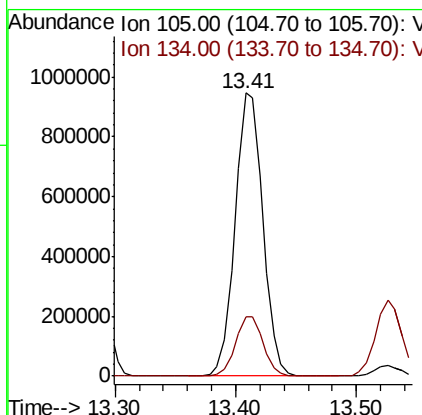
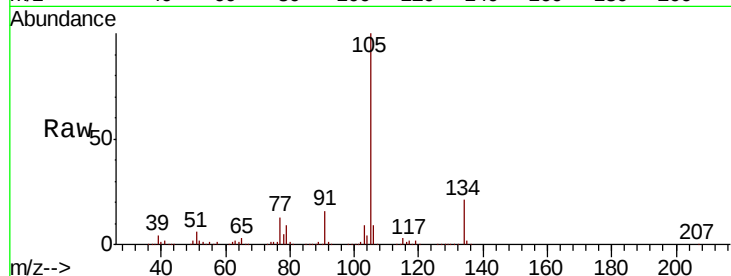




#85
 sec-Butylbenzene
 Concen: 166.940 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

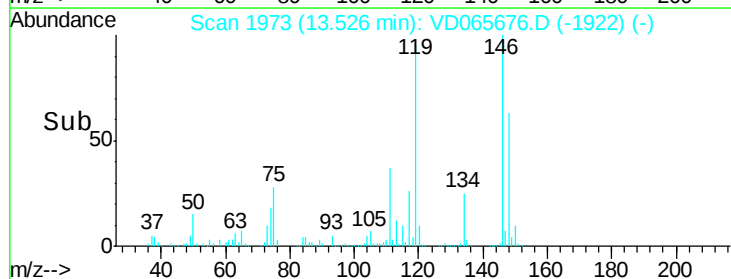
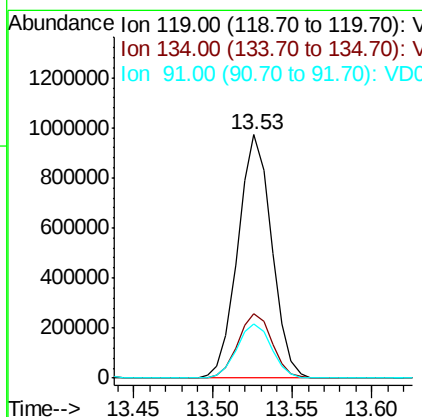
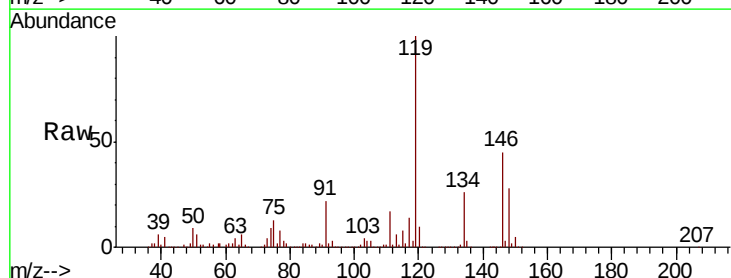
Instrument :
 MSVOA_D
 ClientSampleID :

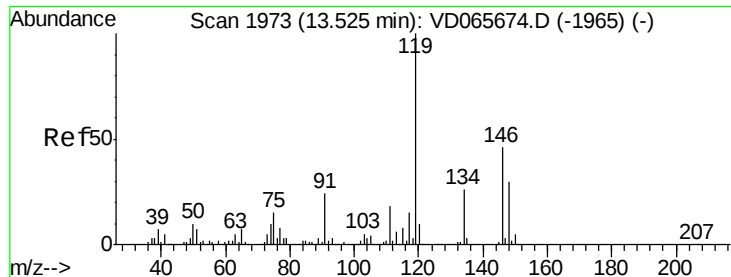
Tot Ion:105 Resp: 1512902
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 168.585 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion:119 Resp: 1435891
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 22.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 148.794 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065676.D

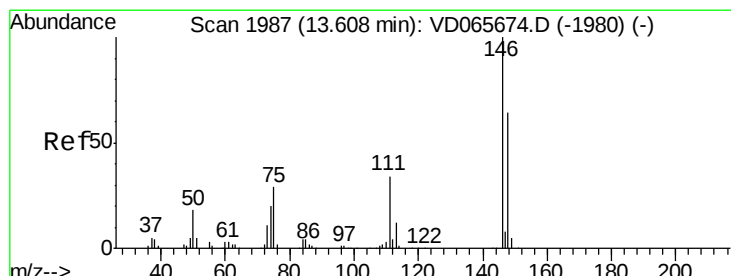
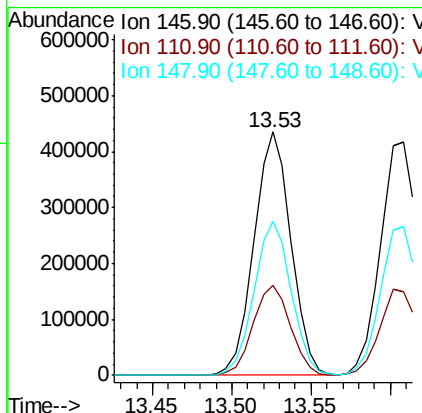
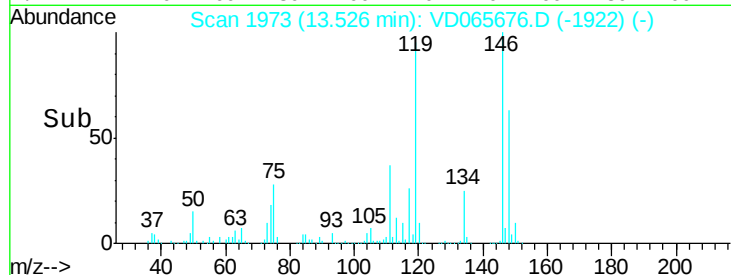
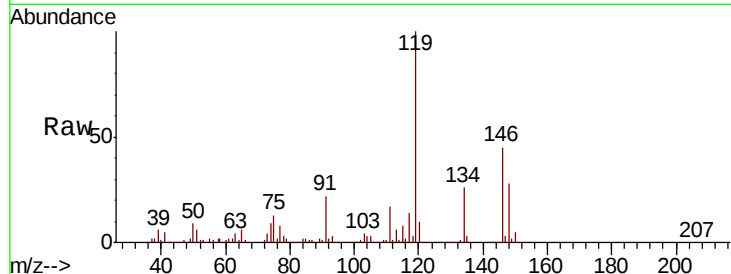
Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:146	Resp:	705596
Ion Ratio	Lower	Upper
146	100	
111	37.5	19.3 57.9
148	63.5	32.6 97.8



#88

1,4-Dichlorobenzene

Concen: 144.859 ug/l

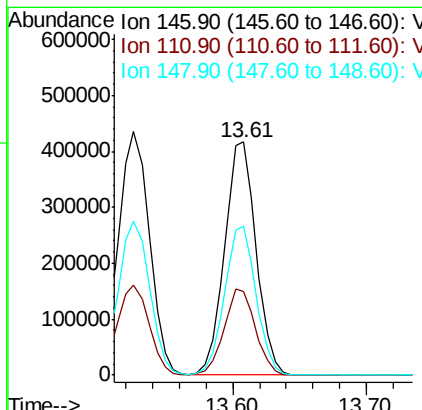
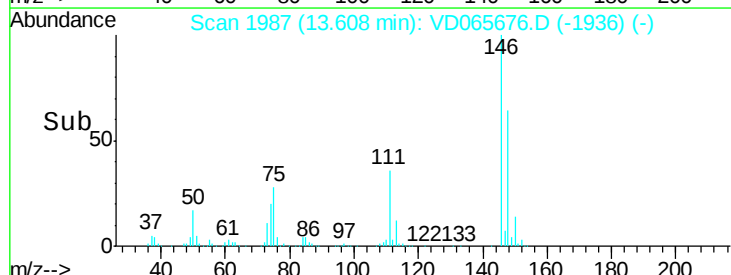
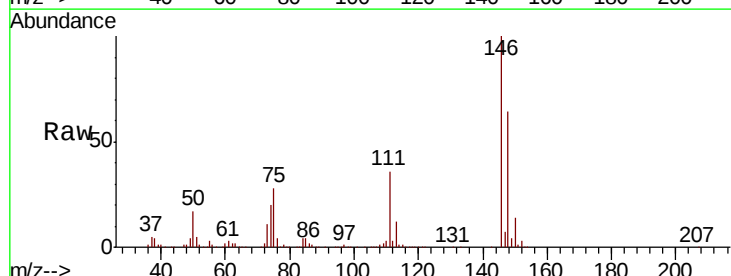
RT: 13.61 min Scan# 1987

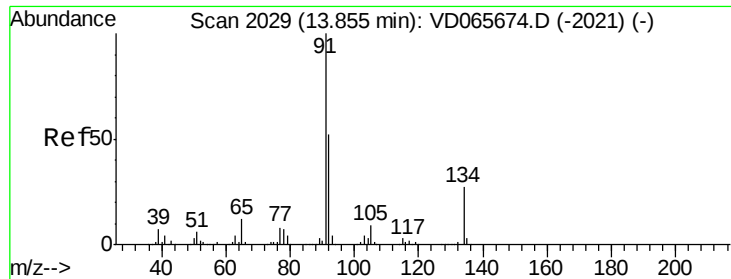
Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Tgt Ion:146	Resp:	688288
Ion Ratio	Lower	Upper
146	100	
111	36.7	18.3 54.8
148	63.8	32.1 96.5

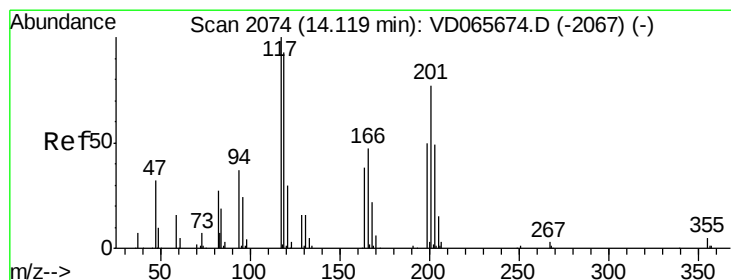
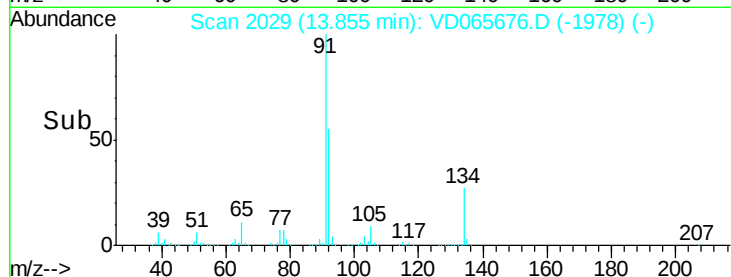
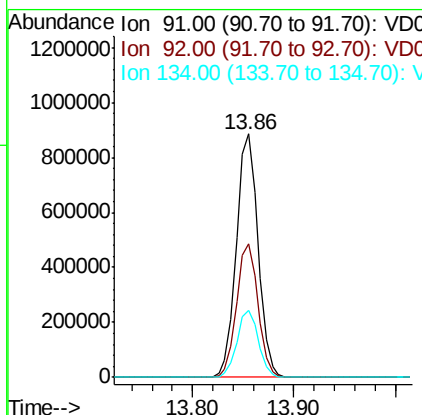
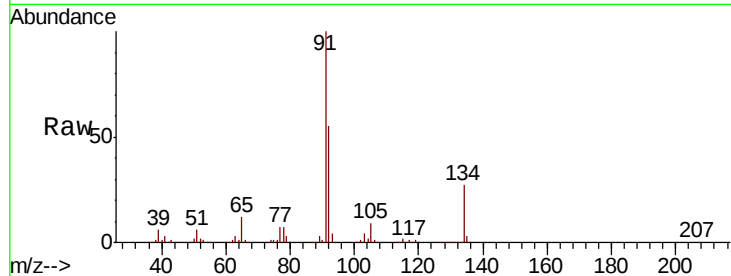




#89
n-Butylbenzene
Concen: 166.926 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

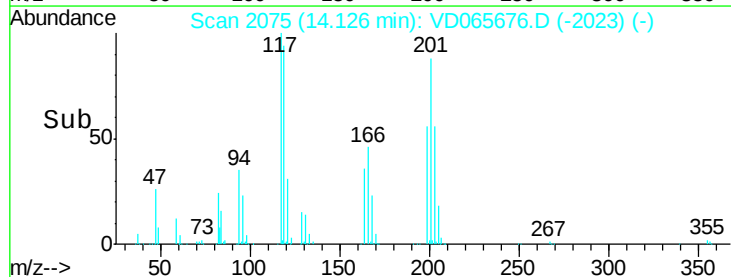
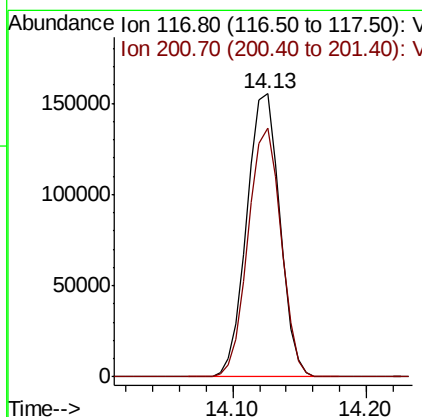
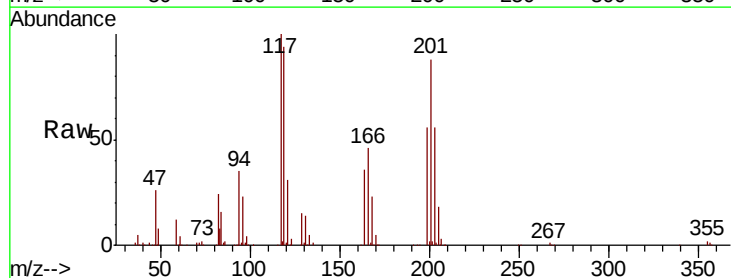
Instrument :
MSVOA_D
ClientSampleId :

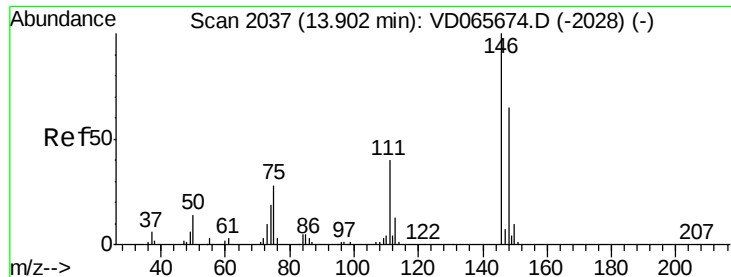
Tot Ion: 91 Resp: 1311127
Ion Ratio Lower Upper
91 100
92 54.5 26.3 78.8
134 27.2 13.0 39.0



#90
Hexachloroethane
Concen: 139.671 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 117 Resp: 266512
Ion Ratio Lower Upper
117 100
201 87.2 42.1 126.3





#91

1,2-Dichlorobenzene

Concen: 147.381 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

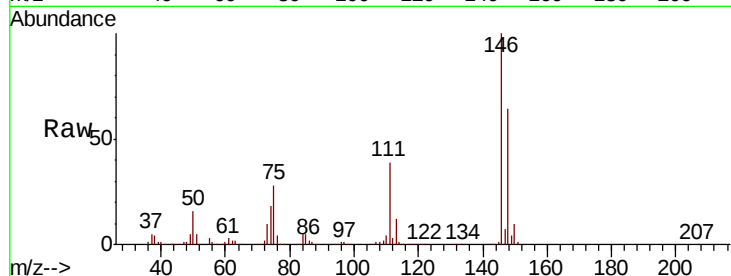
Tot Ion:146 Resp: 601707

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.3

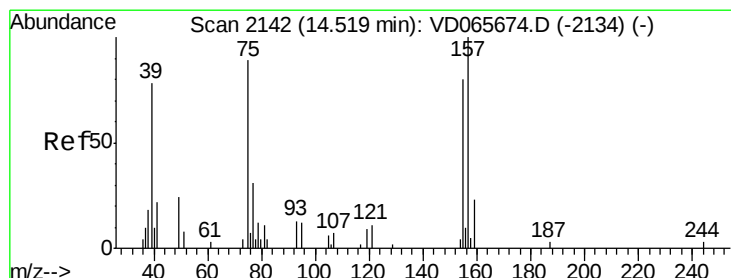
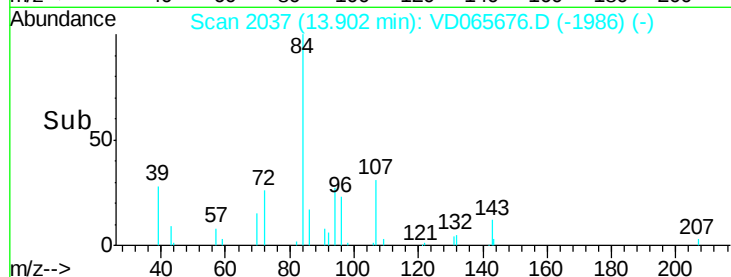
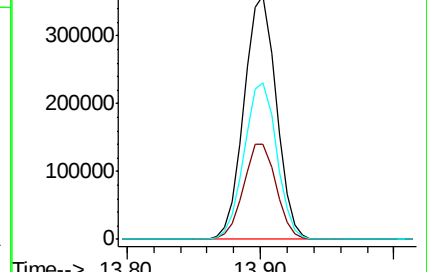
148 64.5 31.5 94.5



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: 150.368 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

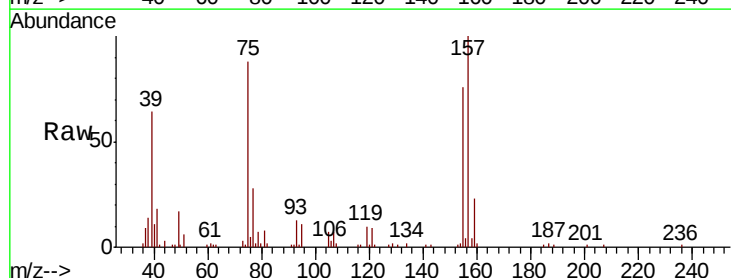
Tgt Ion: 75 Resp: 40944

Ion Ratio Lower Upper

75 100

155 86.7 41.8 125.3

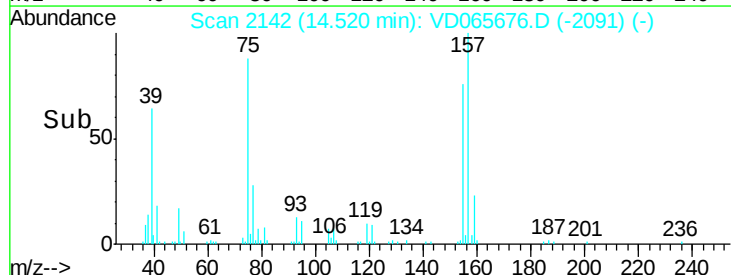
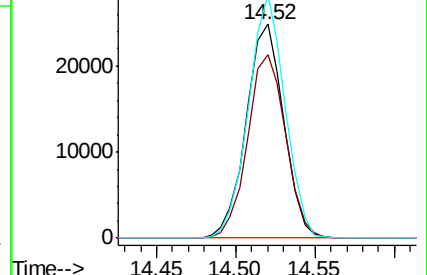
157 110.5 53.9 161.7

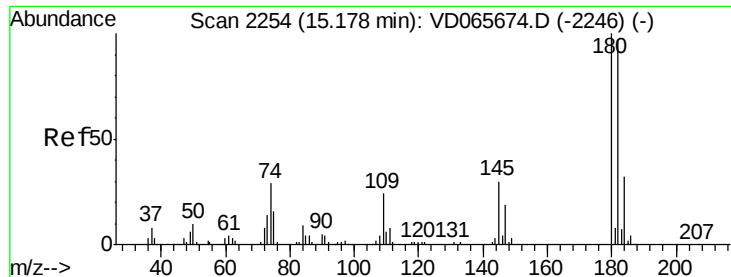


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

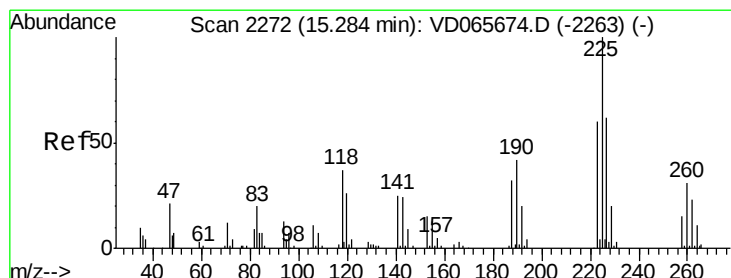
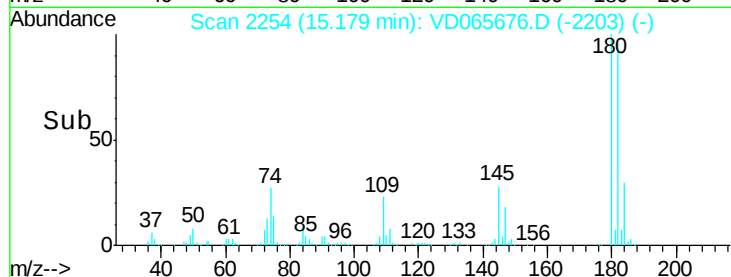
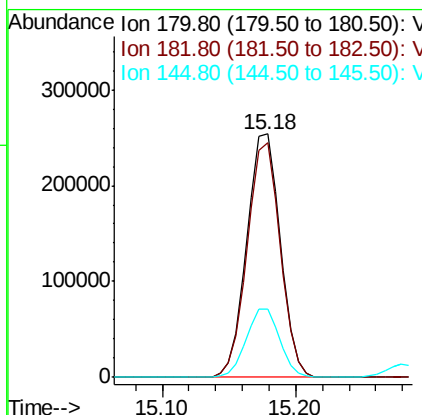
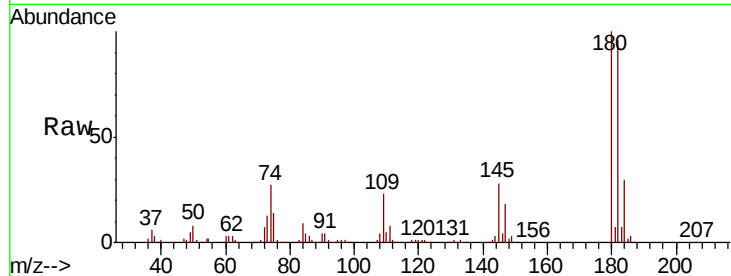




#93
 1,2,4-Trichlorobenzene
 Concen: 167.687 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

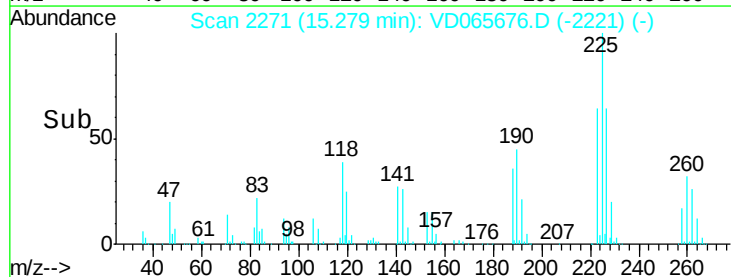
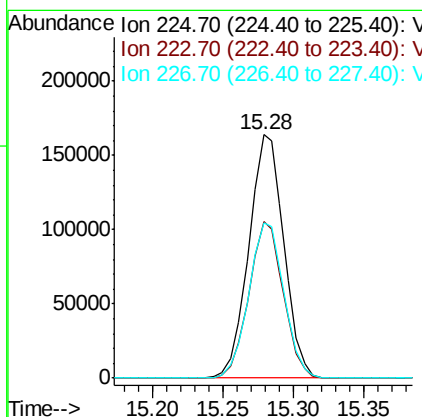
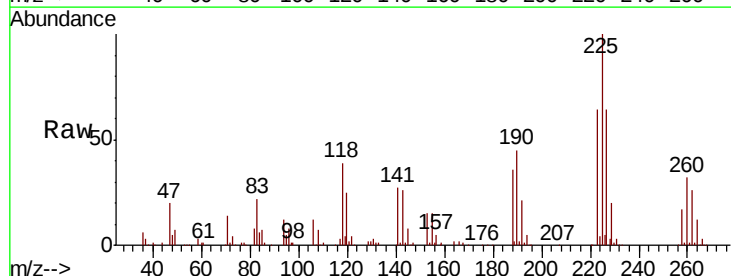
Instrument :
 MSVOA_D
 ClientSampleId :

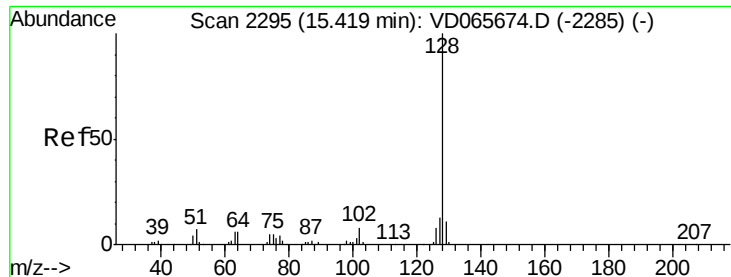
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.3
145	28.1	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 144.896 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.0	93.0
227	63.8	31.6	94.8

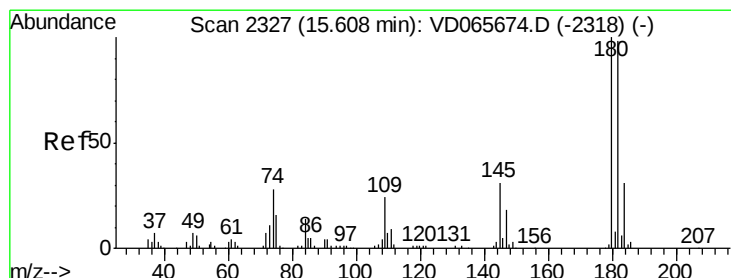
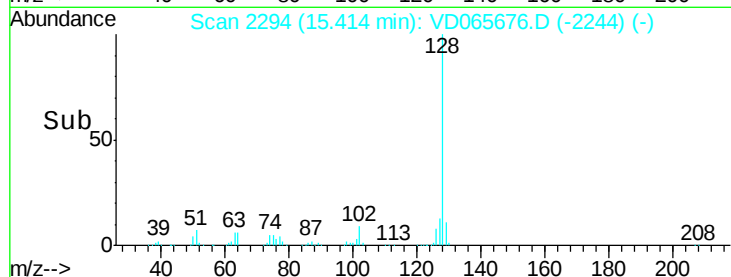
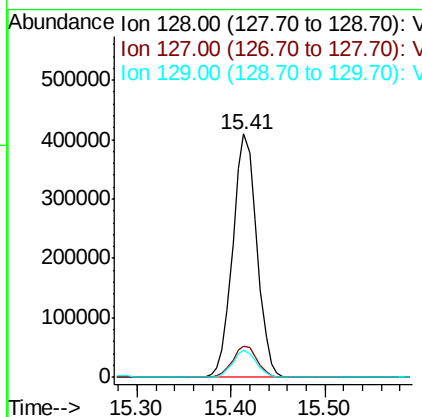
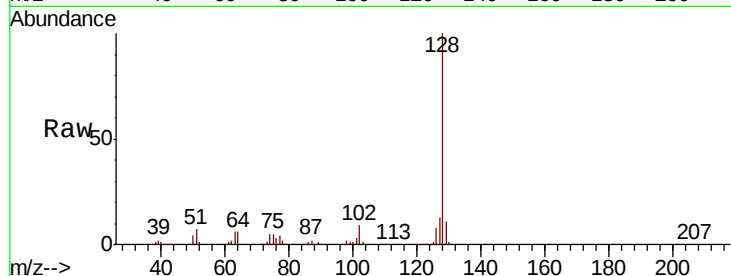




#95
Naphthalene
Concen: 191.628 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 726296
Ion Ratio Lower Upper
128 100
127 13.2 11.4 17.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 162.669 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:180 Resp: 380833
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.3
145 30.3 15.6 46.8

