

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065560.D
 Acq On : 31 Mar 2020 12:28
 Operator : VA/SY
 Sample : VD0331SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:52:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	510009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	733039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212643	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.92	113	233209	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.34	98	893466	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.64	95	287197	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76102	24.404	ug/l	99
3) Chloromethane	2.21	50	99846	23.132	ug/l	100
4) Vinyl Chloride	2.36	62	99464	21.104	ug/l	99
5) Bromomethane	2.77	94	70210	21.878	ug/l	93
6) Chloroethane	2.93	64	61136	20.074	ug/l	100
7) Trichlorofluoromethane	3.27	101	153059	21.768	ug/l	97
8) Diethyl Ether	3.71	74	43350	19.430	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97472	21.019	ug/l	99
10) Methyl Iodide	4.30	142	94390	17.591	ug/l	99
11) Tert butyl alcohol	5.18	59	10493	43.952	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	89850	20.392	ug/l	95
13) Acrolein	3.92	56	33882	84.057	ug/l	98
14) Allyl chloride	4.71	41	132393	19.748	ug/l	99
15) Acrylonitrile	5.43	53	89713	97.651	ug/l	98
16) Acetone	4.17	43	81828	102.150	ug/l	97
17) Carbon Disulfide	4.40	76	298146	20.526	ug/l	100
18) Methyl Acetate	4.73	43	40562	19.473	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	163916	18.654	ug/l	95
20) Methylene Chloride	4.96	84	109525	18.675	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	103035	20.326	ug/l	97
22) Diisopropyl ether	6.37	45	263956	20.304	ug/l	96
23) Vinyl Acetate	6.31	43	682368	96.364	ug/l	100
24) 1,1-Dichloroethane	6.27	63	169611	20.574	ug/l	98
25) 2-Butanone	7.22	43	105188	96.689	ug/l	98
26) 2,2-Dichloropropane	7.21	77	151467	20.748	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105957	20.171	ug/l	99
28) Bromochloromethane	7.54	49	70101	20.452	ug/l	100
29) Tetrahydrofuran	7.57	42	64453	91.412	ug/l	99
30) Chloroform	7.71	83	178833	20.942	ug/l	97
31) Cyclohexane	7.98	56	157199	19.698	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	159011	20.611	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136532	20.386	ug/l	99
37) Ethyl Acetate	7.30	43	50049	19.522	ug/l	100
38) Carbon Tetrachloride	8.10	117	147186	20.865	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154860	19.612	ug/l	98
40) Benzene	8.36	78	405852	21.236	ug/l	98
41) Methacrylonitrile	7.53	41	29808	20.142	ug/l	92
42) 1,2-Dichloroethane	8.43	62	103761	20.403	ug/l	99
43) Isopropyl Acetate	8.46	43	87219	18.735	ug/l	95
44) Trichloroethene	9.11	130	112274	20.247	ug/l	96
45) 1,2-Dichloropropane	9.39	63	96489	20.784	ug/l	93
46) Dibromomethane	9.48	93	51364	21.085	ug/l	99
47) Bromodichloromethane	9.67	83	134426	20.830	ug/l	96
48) Methyl methacrylate	9.46	41	40452	18.274	ug/l	98
49) 1,4-Dioxane	9.47	88	11401	430.398	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	239085	101.765	ug/l	98
52) Toluene	10.41	92	257725	21.294	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	118144	20.016	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	150949	20.903	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	72003	20.720	ug/l	93
56) Ethyl methacrylate	10.67	69	70188	18.742	ug/l	97
57) 1,3-Dichloropropane	10.95	76	117463	20.087	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	192070	97.398	ug/l	100
59) 2-Hexanone	10.99	43	155475	97.059	ug/l	96
60) Dibromochloromethane	11.14	129	93770	20.362	ug/l	99
61) 1,2-Dibromoethane	11.25	107	66278	19.706	ug/l	97
64) Tetrachloroethene	10.88	164	98629	20.352	ug/l	98
65) Chlorobenzene	11.68	112	270764	20.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	102379	20.758	ug/l	97
67) Ethyl Benzene	11.75	91	456023	20.471	ug/l	98
68) m/p-Xylenes	11.86	106	369283	42.220	ug/l	100
69) o-Xylene	12.18	106	155560	20.308	ug/l	98
70) Styrene	12.20	104	283513	20.955	ug/l	100
71) Bromoform	12.37	173	54445	20.013	ug/l #	95
73) Isopropylbenzene	12.48	105	421237	20.154	ug/l	99
74) N-amyl acetate	12.30	43	78667	19.071	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73787	20.324	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	95160	36.362	ug/l #	100
77) Bromobenzene	12.77	156	112717	20.637	ug/l	98
78) n-propylbenzene	12.83	91	521985	20.951	ug/l	99
79) 2-Chlorotoluene	12.91	91	292120	20.552	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	367917	21.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22315	19.034	ug/l	96
82) 4-Chlorotoluene	13.01	91	316702	20.967	ug/l	100
83) tert-Butylbenzene	13.23	119	293922	20.257	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	365318	21.093	ug/l	99
85) sec-Butylbenzene	13.41	105	428013	20.614	ug/l	100
86) p-Isopropyltoluene	13.53	119	398446	20.824	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	218645	20.794	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	217599	20.711	ug/l	98
89) n-Butylbenzene	13.85	91	352876	20.308	ug/l	99
90) Hexachloroethane	14.12	117	82279	20.506	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	184553	20.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10265	18.768	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:47:48 2020
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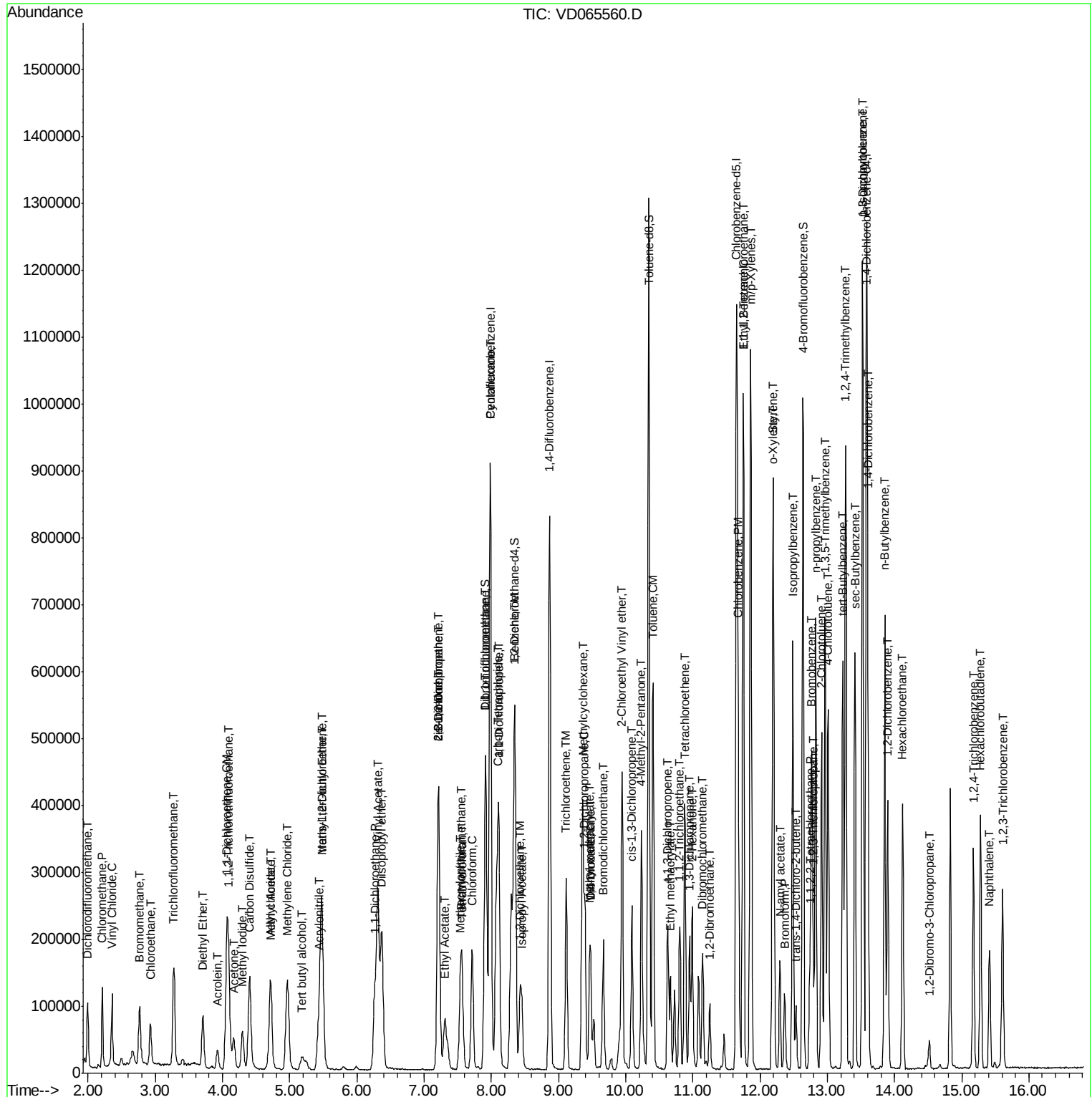
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118501	19.198	ug/l	99
94) Hexachlorobutadiene	15.28	225	82751	20.572	ug/l	99
95) Naphthalene	15.41	128	165531	18.705	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102052	19.250	ug/l	99

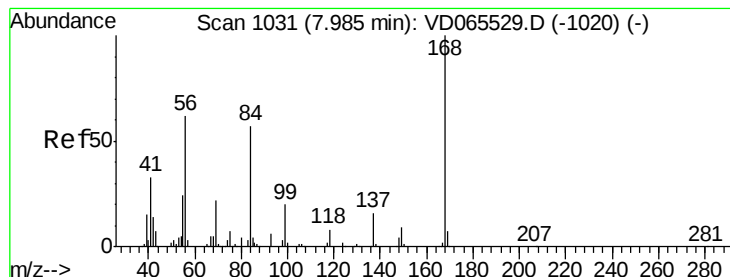
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

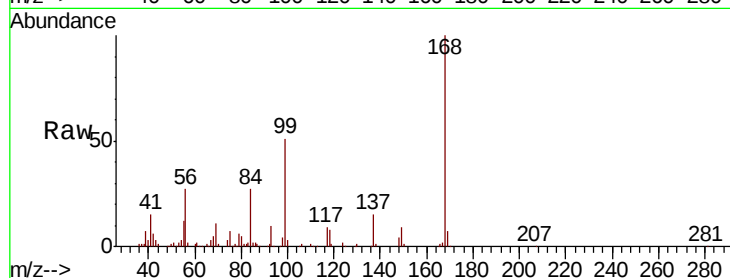
ClientSampleId :

Tot Ion:168 Resp: 510009

Ion Ratio Lower Upper

168 100

99 51.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

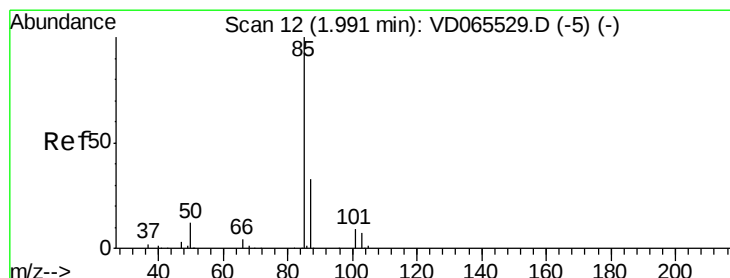
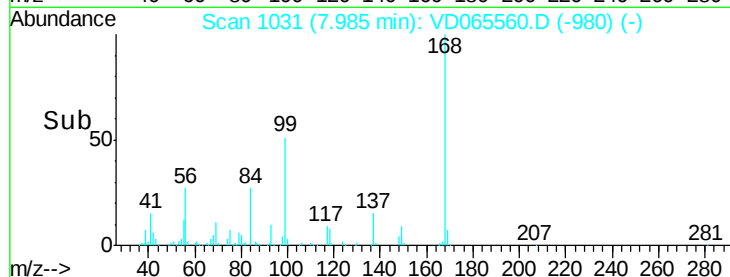
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.404 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065560.D

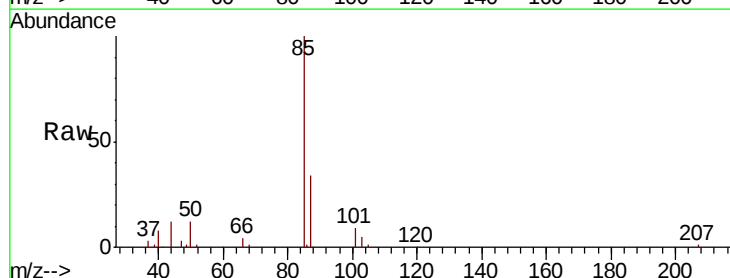
Acq: 31 Mar 2020 12:28

Tgt Ion: 85 Resp: 76102

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

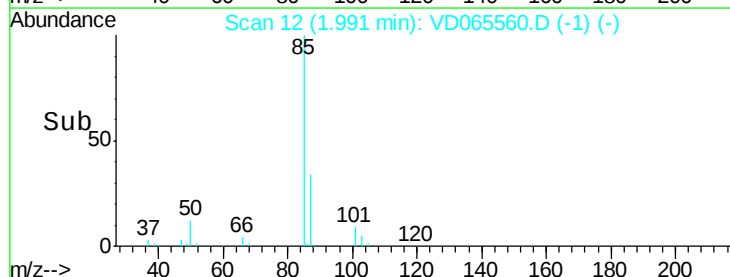
20000

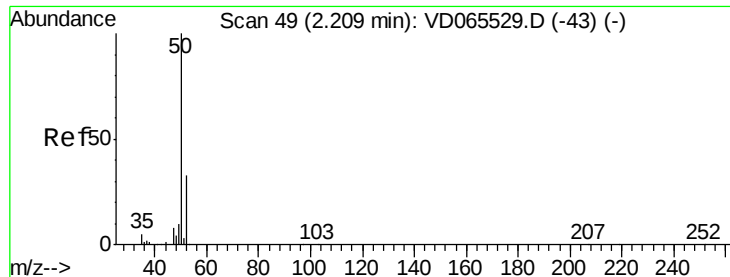
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.132 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

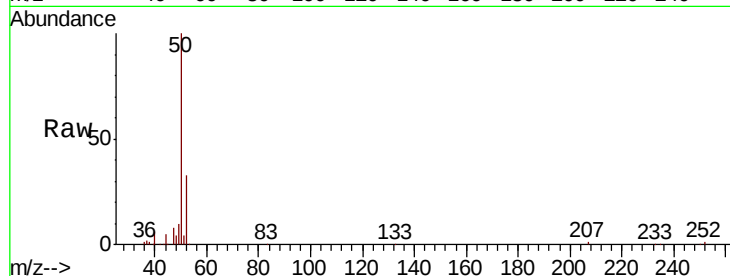
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 99846

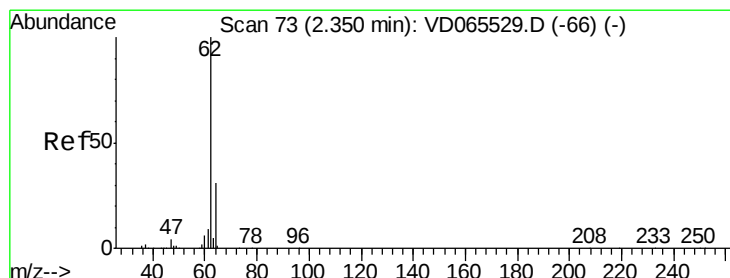
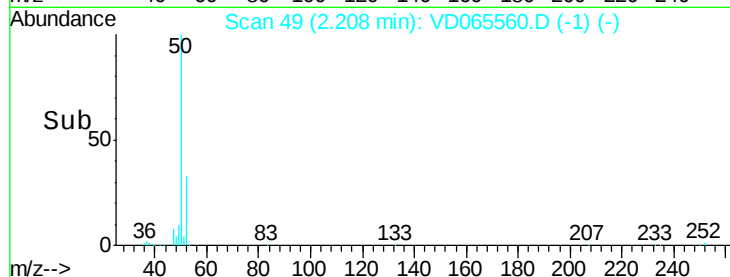
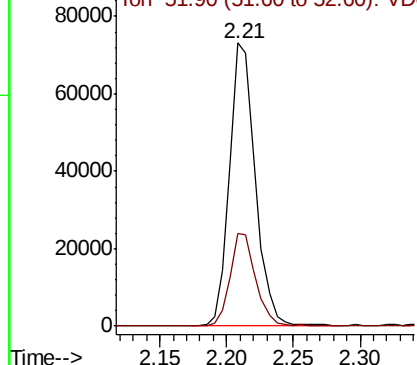
Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.104 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065560.D

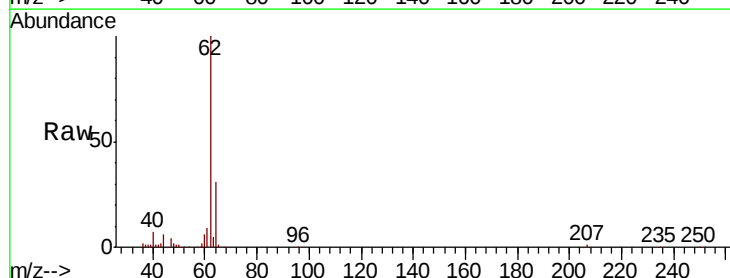
Acq: 31 Mar 2020 12:28

Tgt Ion: 62 Resp: 99464

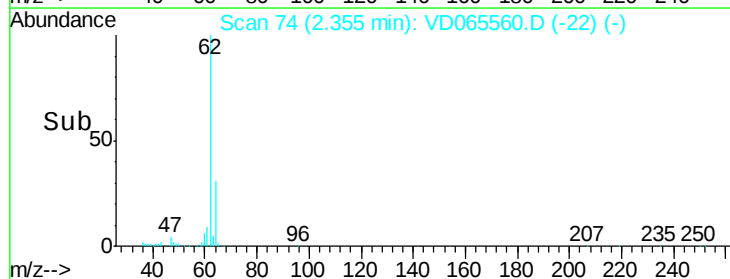
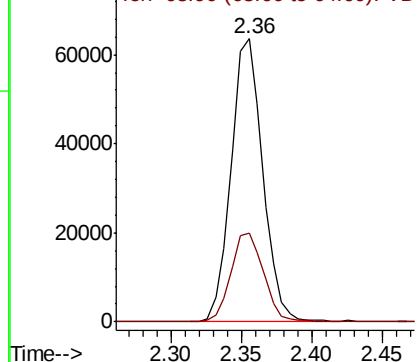
Ion Ratio Lower Upper

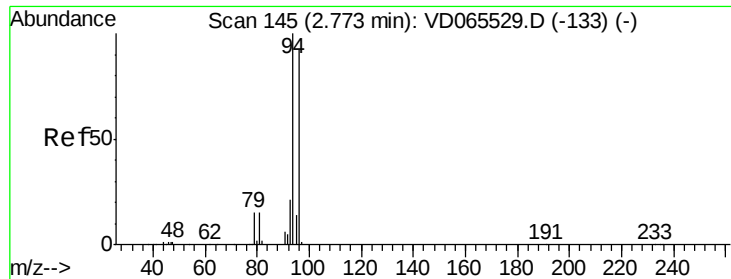
62 100

64 31.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.878 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

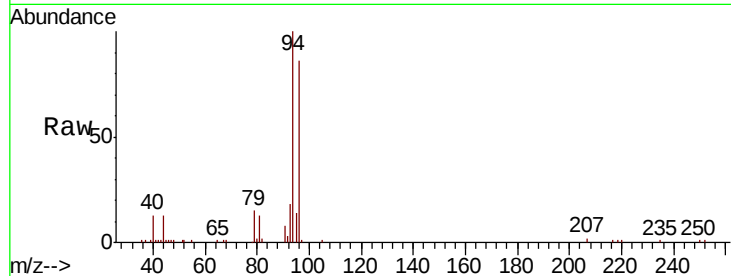
ClientSampleId :

Tot Ion: 94 Resp: 70210

Ion Ratio Lower Upper

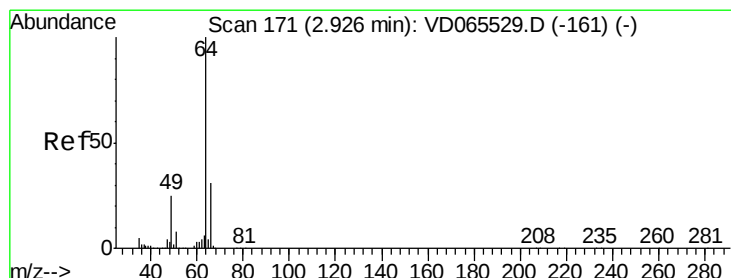
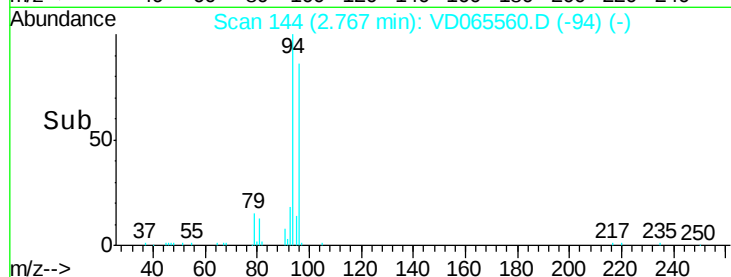
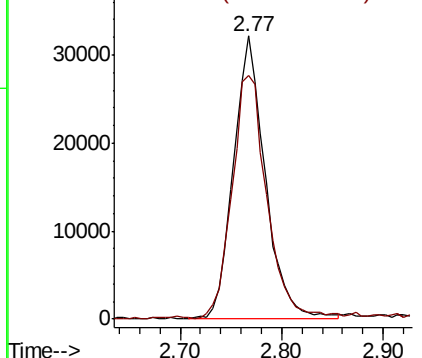
94 100

96 85.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.074 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065560.D

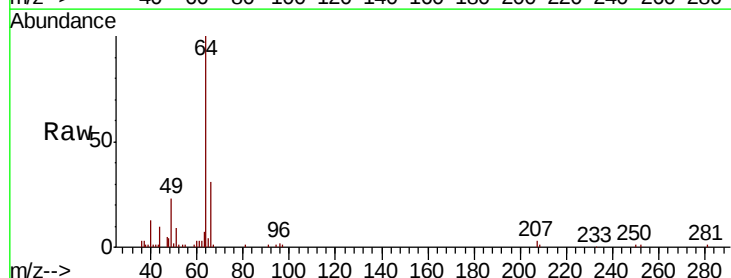
Acq: 31 Mar 2020 12:28

Tgt Ion: 64 Resp: 61136

Ion Ratio Lower Upper

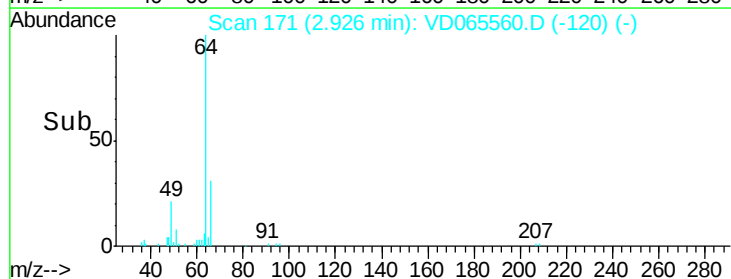
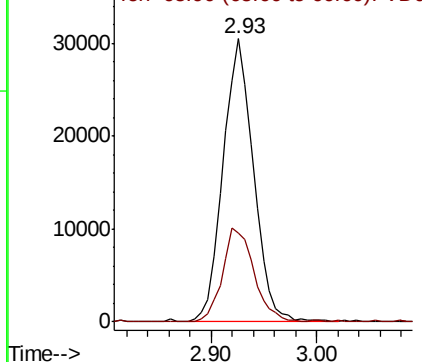
64 100

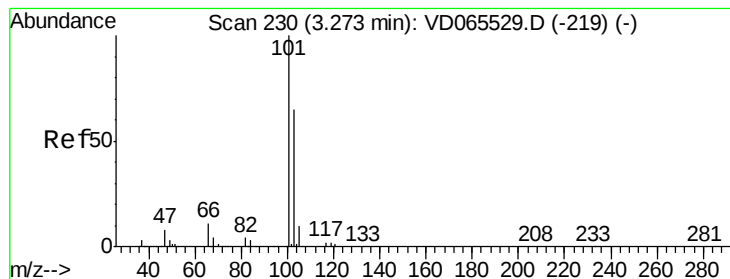
66 31.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



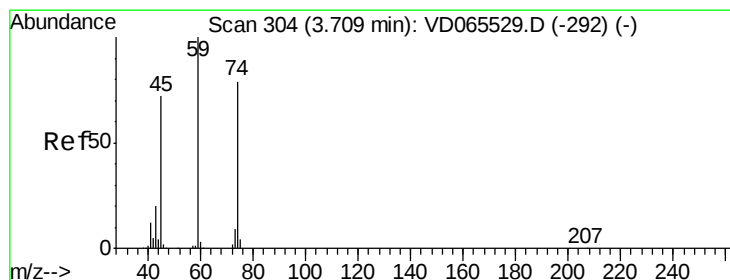
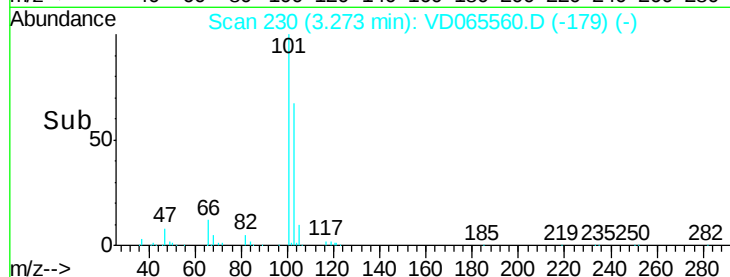
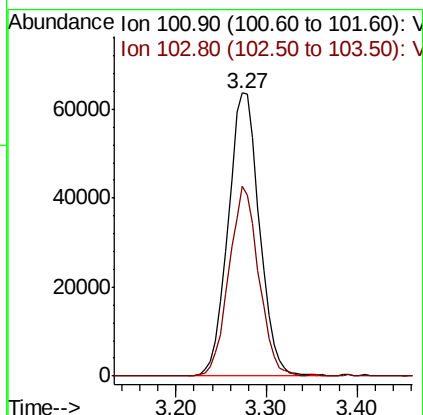
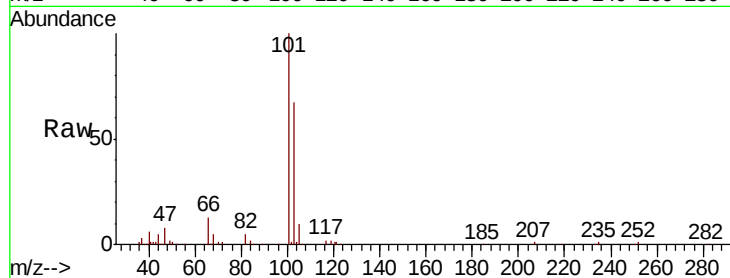


#7

Trichlorofluoromethane
 Concen: 21.768 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

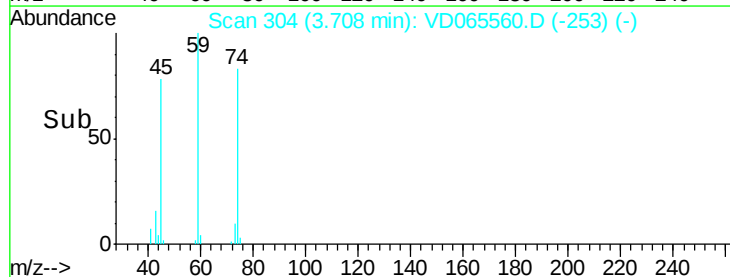
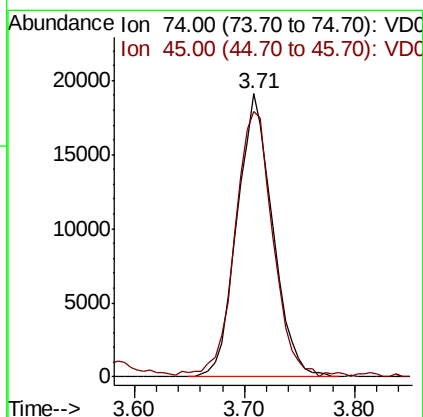
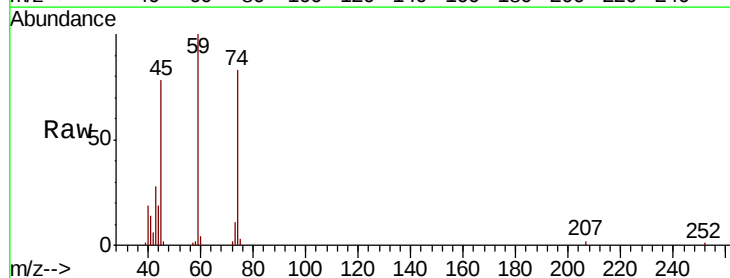
Tot Ion:101 Resp: 153059
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.9 77.9

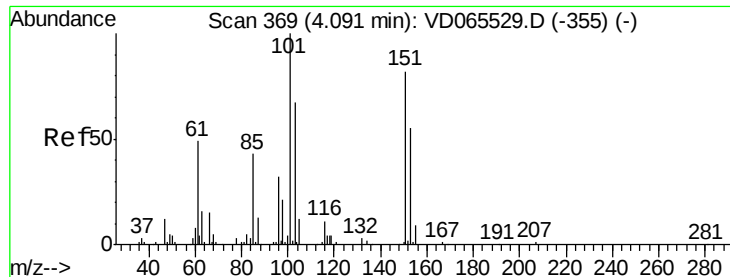


#8

Diethyl Ether
 Concen: 19.430 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Tgt Ion: 74 Resp: 43350
 Ion Ratio Lower Upper
 74 100
 45 100.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.019 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

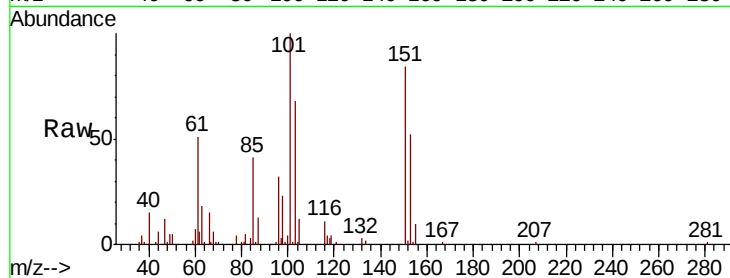
Tot Ion:101 Resp: 97472

Ion Ratio Lower Upper

101 100

85 40.5 32.6 48.8

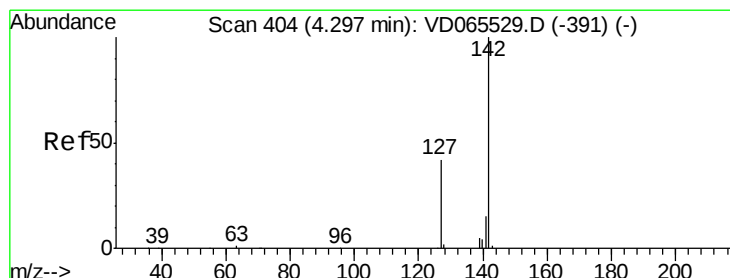
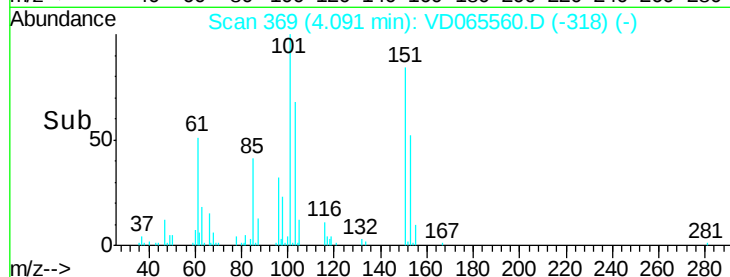
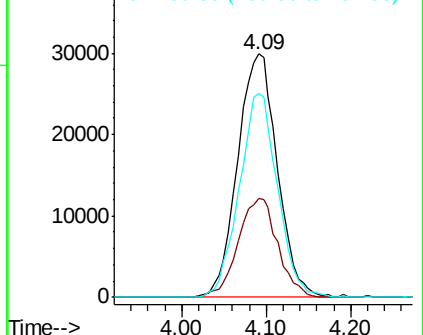
151 81.0 65.5 98.3



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: 17.591 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

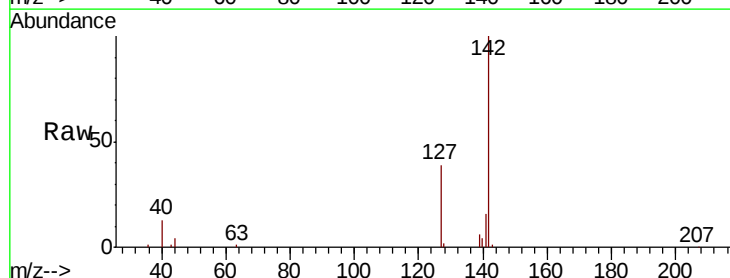
Tgt Ion:142 Resp: 94390

Ion Ratio Lower Upper

142 100

127 43.3 33.9 50.9

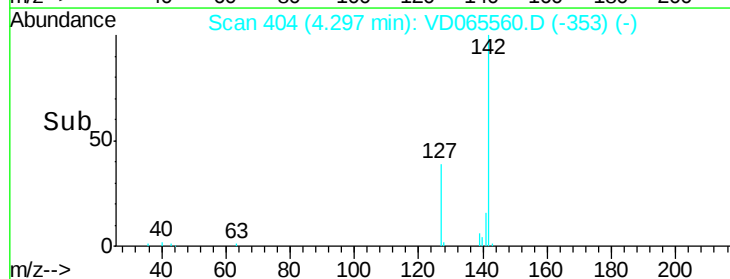
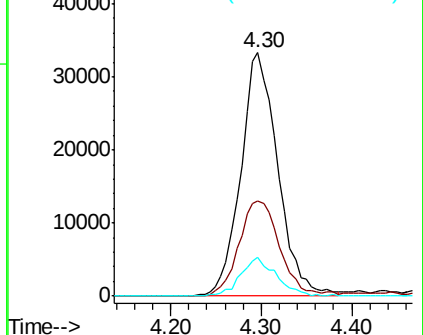
141 15.3 11.6 17.4

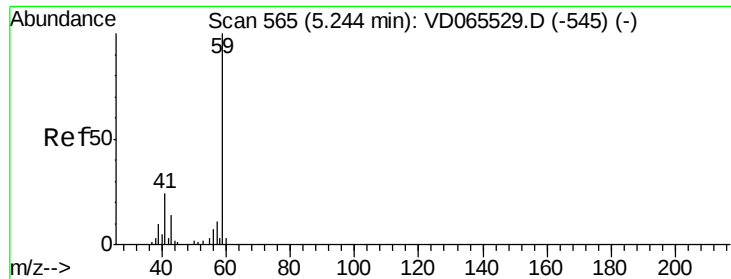


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



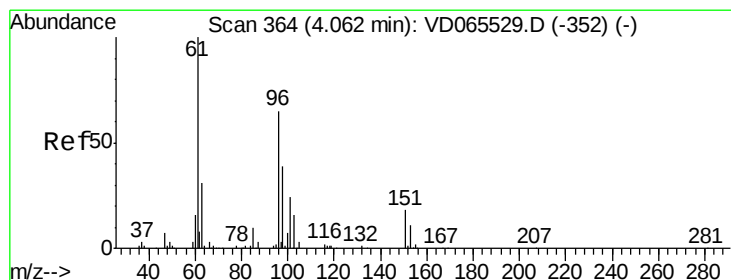
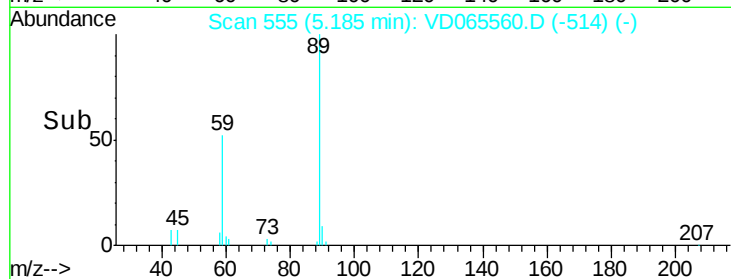
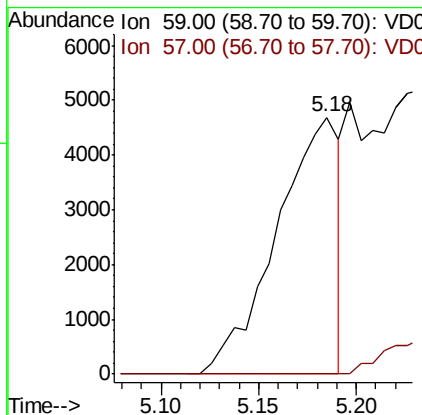
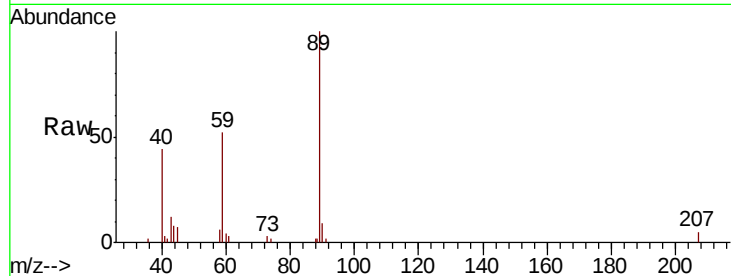


#11

Tert butyl alcohol
Concen: 43.952 ug/l
RT: 5.18 min Scan# 555
Delta R.T. -0.06 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Instrument :
MSVOA_D
ClientSampled :

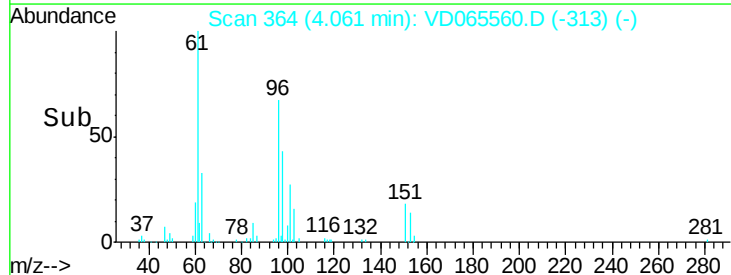
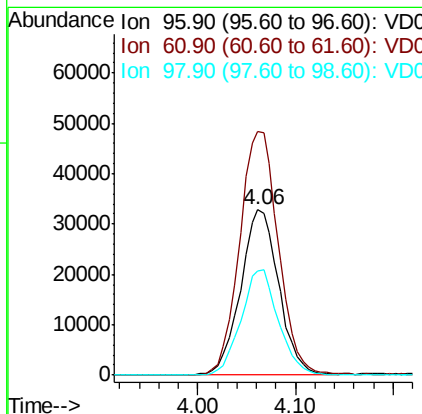
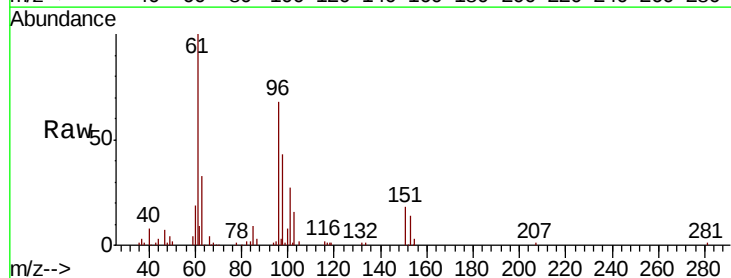
Tot Ion: 59 Resp: 10493
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

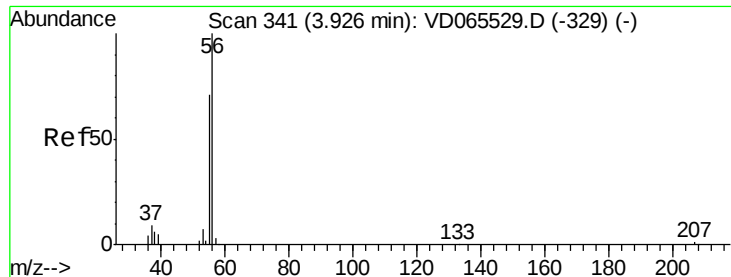


#12

1,1-Dichloroethene
Concen: 20.392 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 96 Resp: 89850
Ion Ratio Lower Upper
96 100
61 147.6 124.0 186.0
98 63.1 48.2 72.4





#13

Acrolein

Concen: 84.057 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

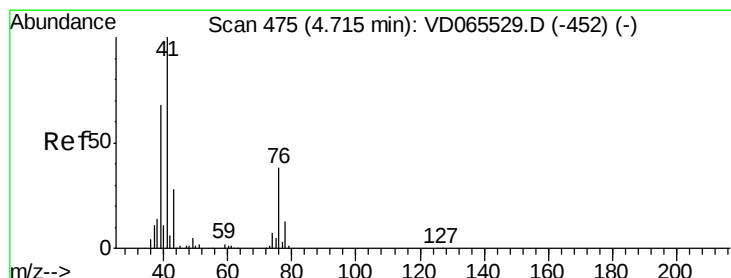
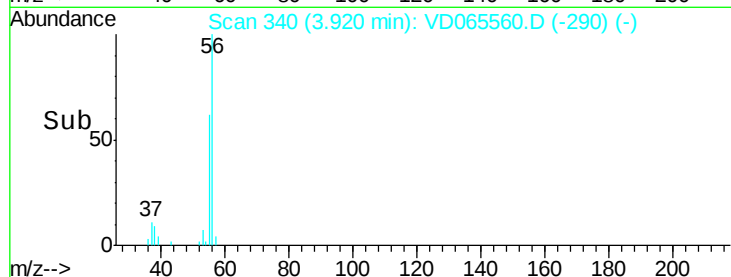
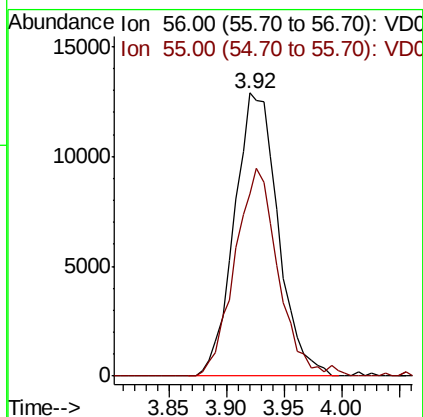
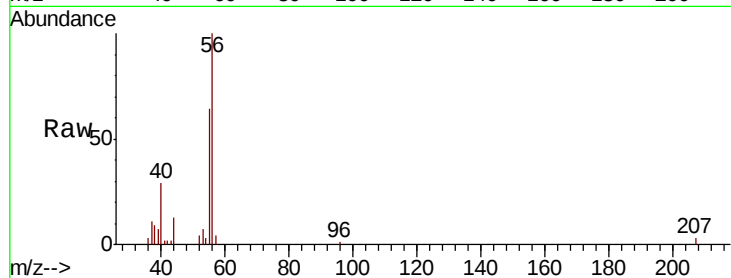
ClientSampled :

Tot Ion: 56 Resp: 33882

Ion Ratio Lower Upper

56 100

55 71.6 56.2 84.2



#14

Allyl chloride

Concen: 19.748 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

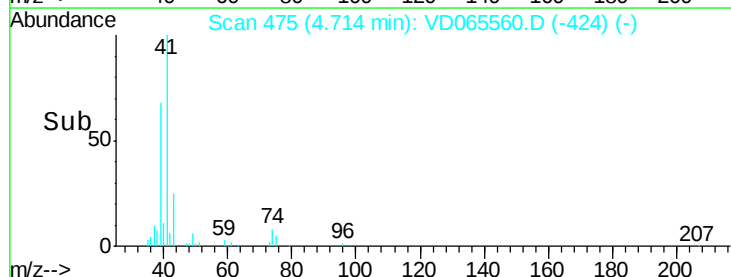
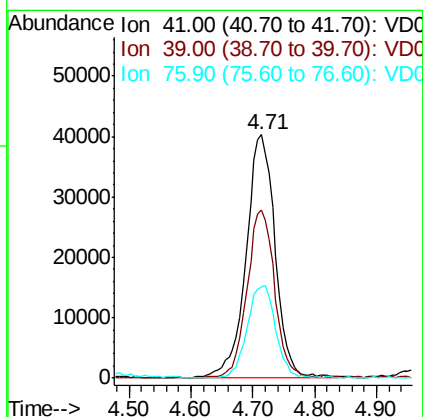
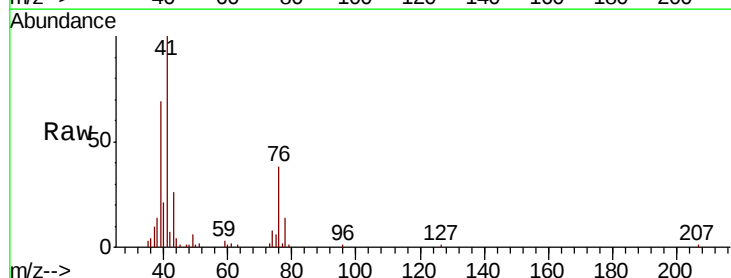
Tgt Ion: 41 Resp: 132393

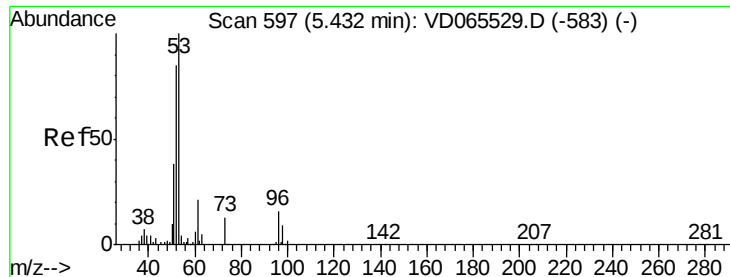
Ion Ratio Lower Upper

41 100

39 65.6 52.9 79.3

76 37.3 28.9 43.3





#15

Acrylonitrile

Concen: 97.651 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

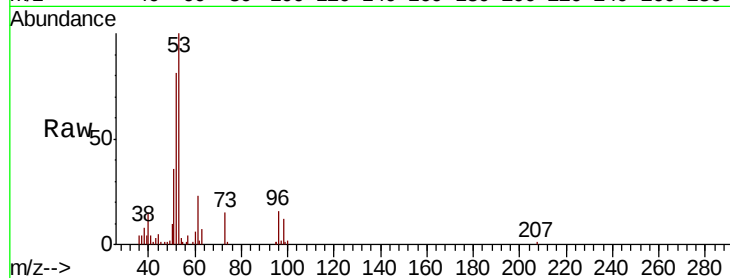
Tot Ion: 53 Resp: 89713

Ion Ratio Lower Upper

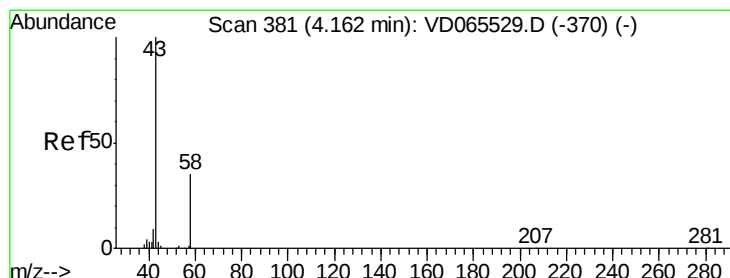
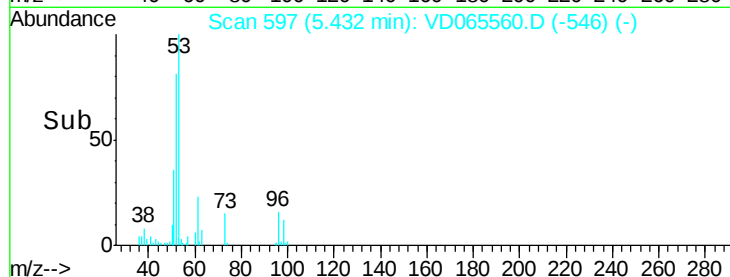
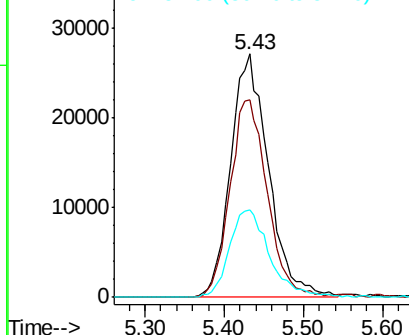
53 100

52 79.8 65.8 98.6

51 38.1 29.7 44.5



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: 102.150 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065560.D

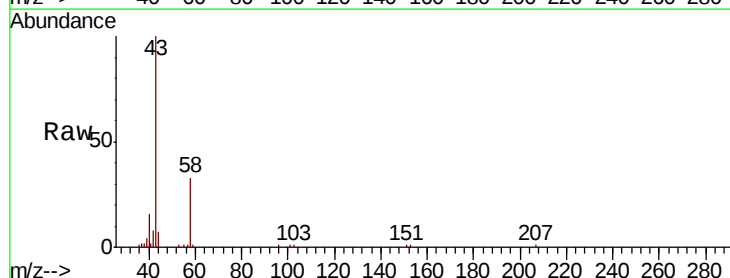
Acq: 31 Mar 2020 12:28

Tgt Ion: 43 Resp: 81828

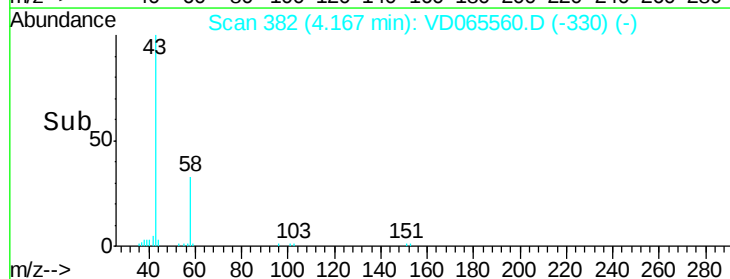
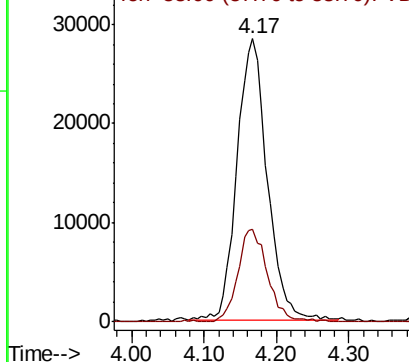
Ion Ratio Lower Upper

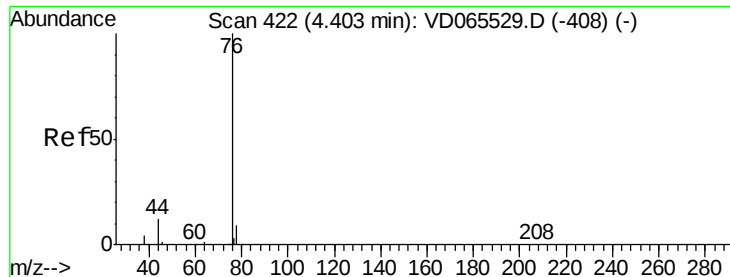
43 100

58 33.2 27.9 41.9



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





#17

Carbon Disulfide

Concen: 20.526 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

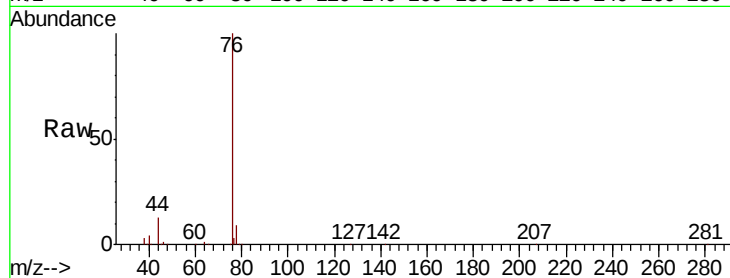
ClientSampleId :

Tot Ion: 76 Resp: 298146

Ion Ratio Lower Upper

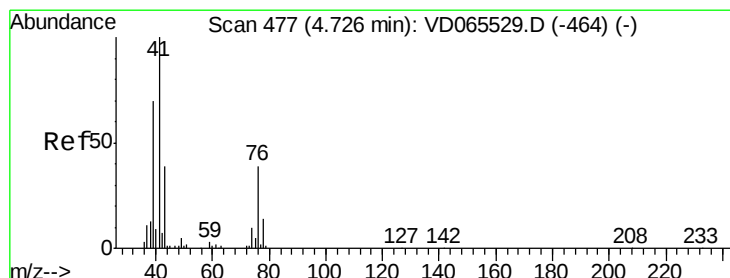
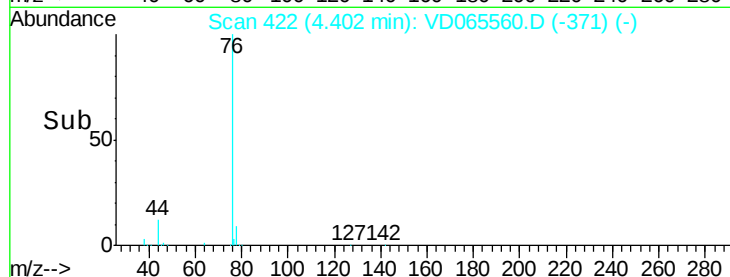
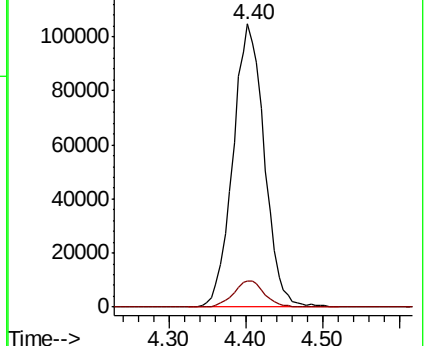
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.473 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065560.D

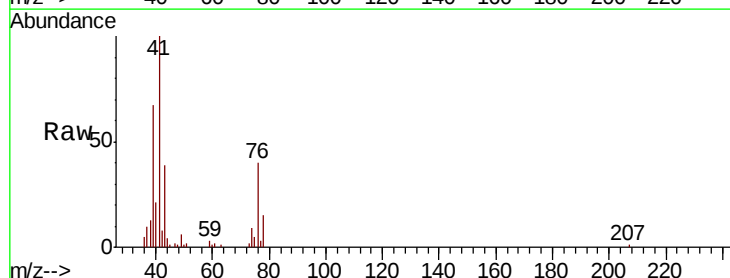
Acq: 31 Mar 2020 12:28

Tgt Ion: 43 Resp: 40562

Ion Ratio Lower Upper

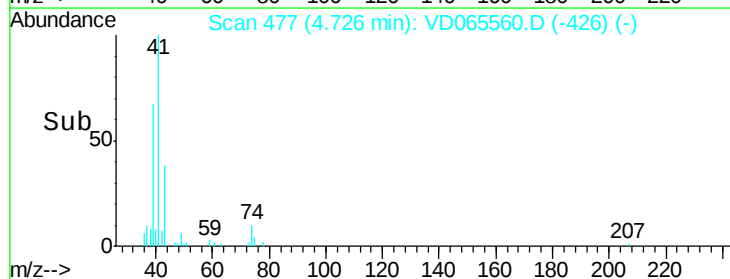
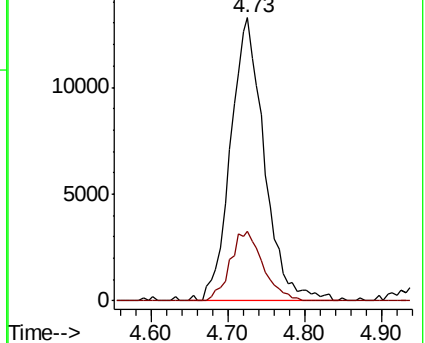
43 100

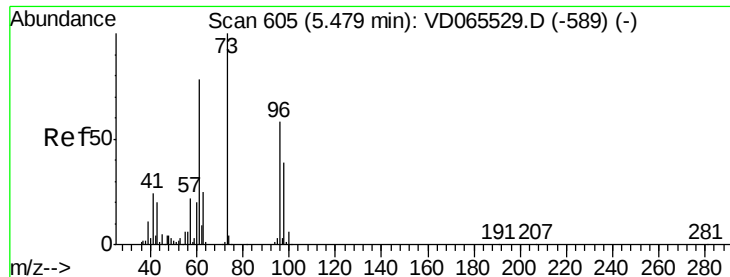
74 23.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

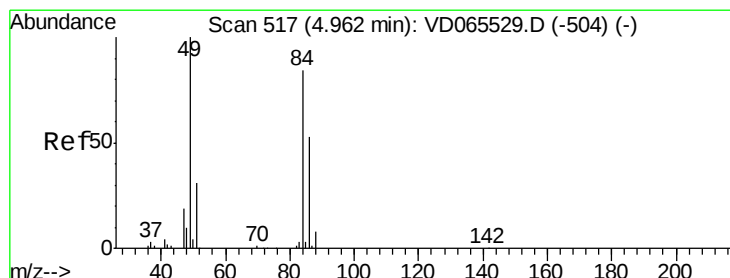
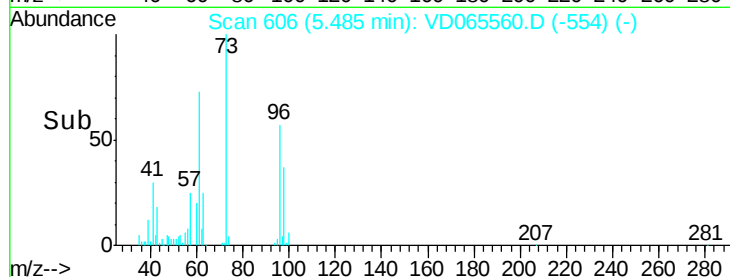
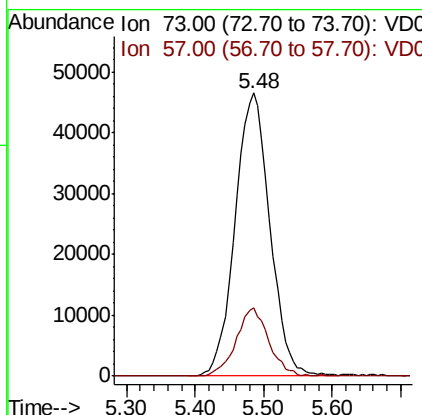
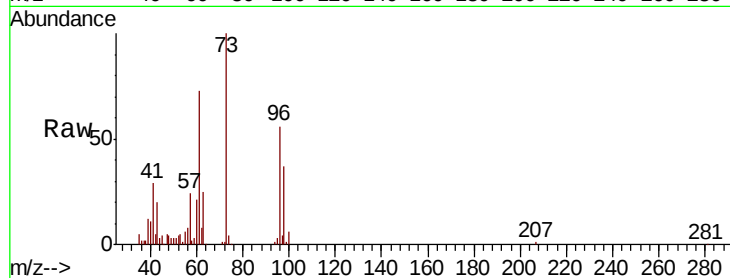




#19
Methvl tert-butvl Ether
Concen: 18.654 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

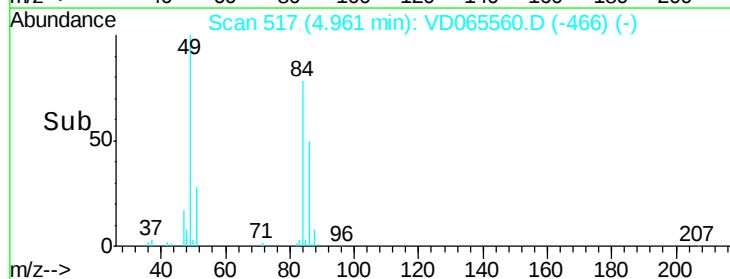
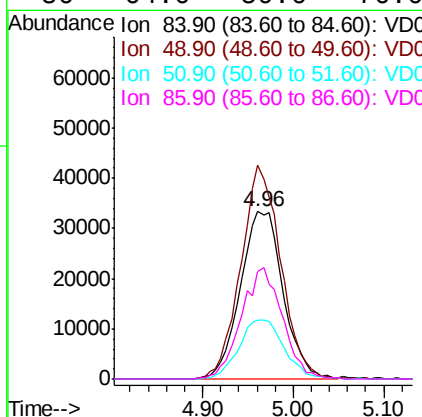
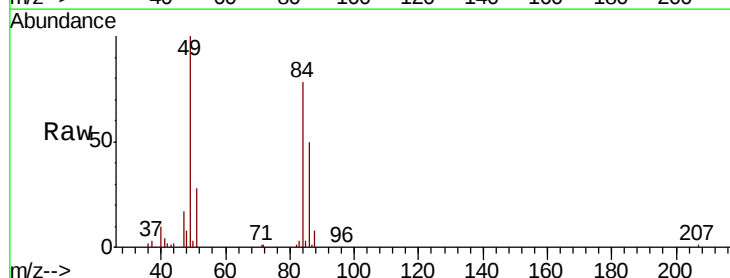
Instrument :
MSVOA_D
ClientSampled :

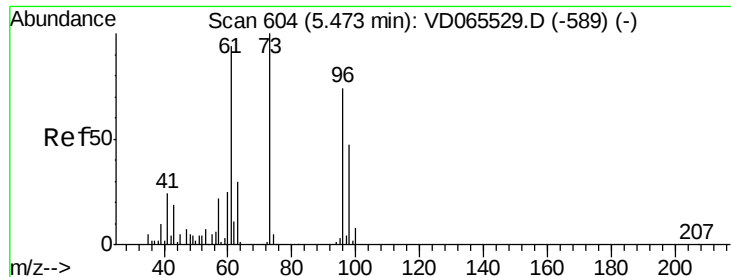
Tot Ion: 73 Resp: 163916
Ion Ratio Lower Upper
73 100
57 24.4 17.7 26.5



#20
Methylene Chloride
Concen: 18.675 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 84 Resp: 109525
Ion Ratio Lower Upper
84 100
49 127.7 95.6 143.4
51 35.6 29.4 44.2
86 64.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.326 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampled :

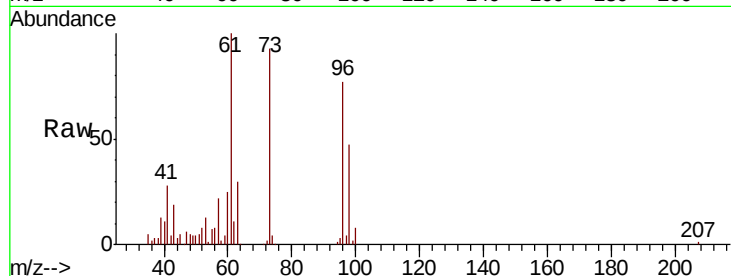
Tot Ion: 96 Resp: 103035

Ion Ratio Lower Upper

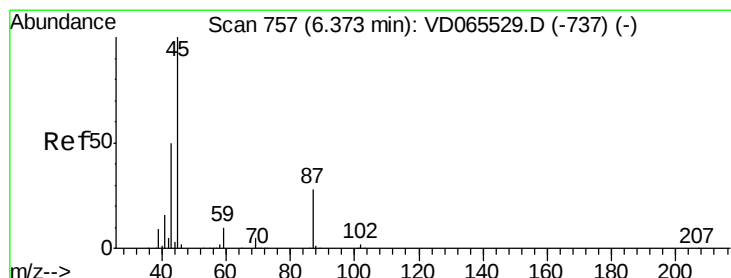
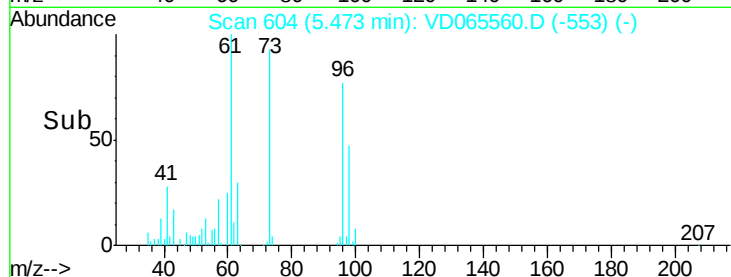
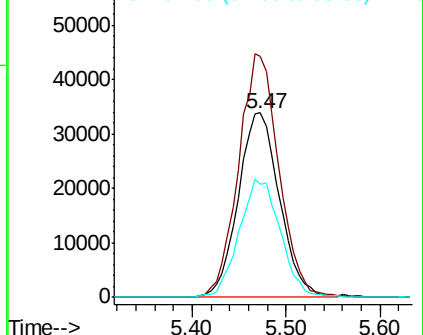
96 100

61 130.6 101.8 152.6

98 61.6 51.4 77.2



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: 20.304 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Tgt Ion: 45 Resp: 263956

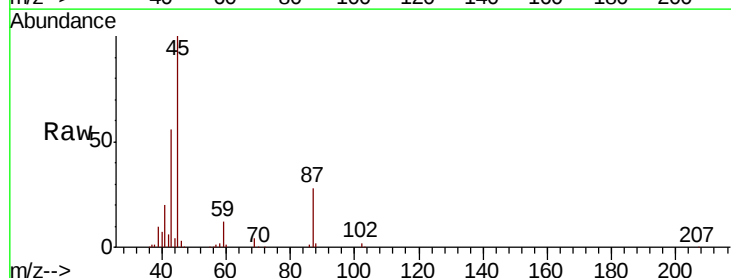
Ion Ratio Lower Upper

45 100

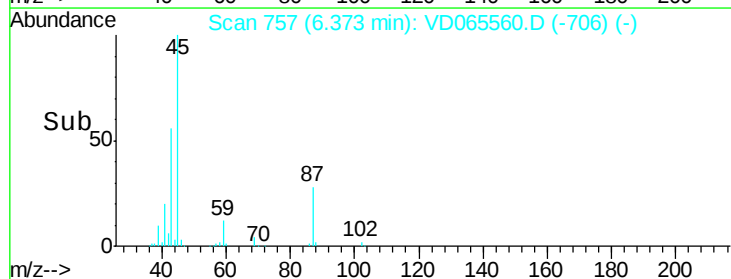
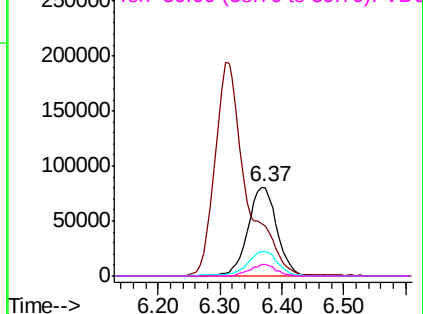
43 54.8 40.5 60.7

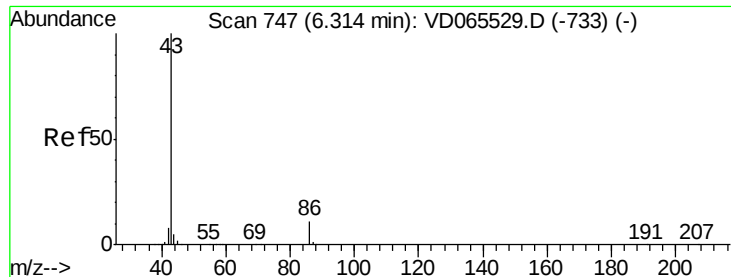
87 27.9 22.5 33.7

59 12.4 8.6 12.8



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





#23

Vinyl Acetate

Concen: 96.364 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

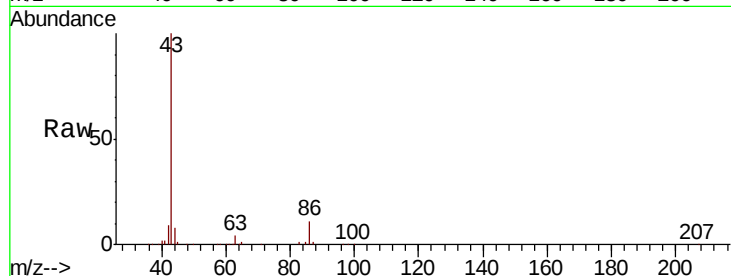
ClientSampled :

Tot Ion: 43 Resp: 682368

Ion Ratio Lower Upper

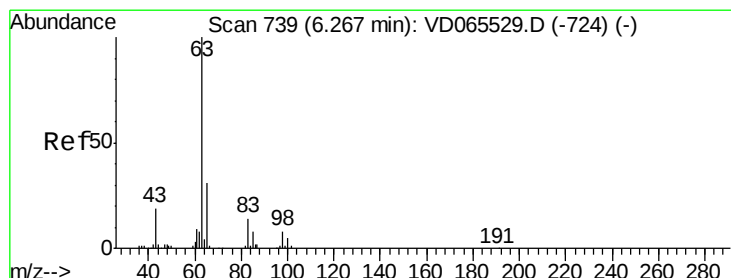
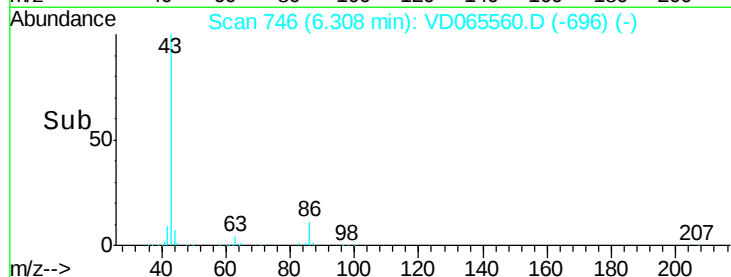
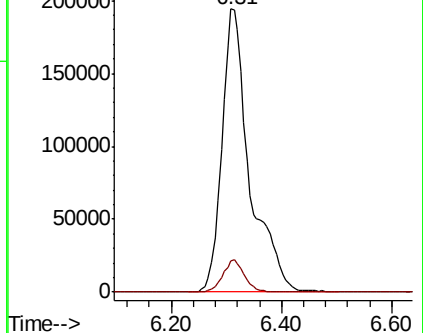
43 100

86 11.1 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.574 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

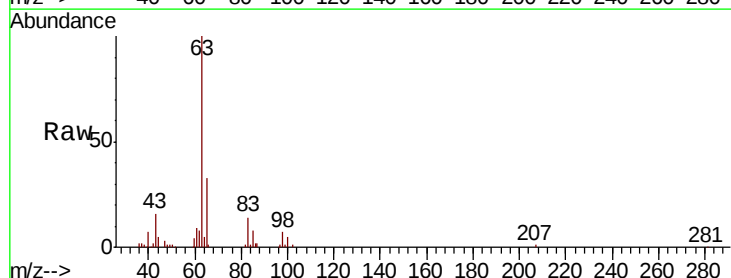
Tgt Ion: 63 Resp: 169611

Ion Ratio Lower Upper

63 100

98 7.3 4.2 12.6

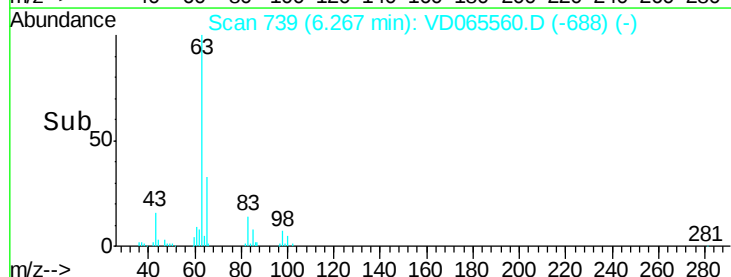
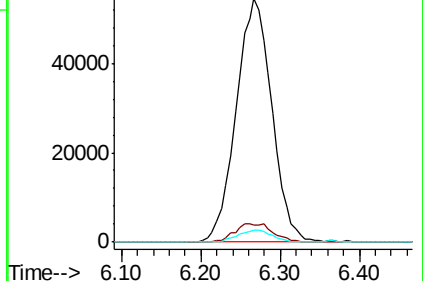
100 4.9 2.5 7.4

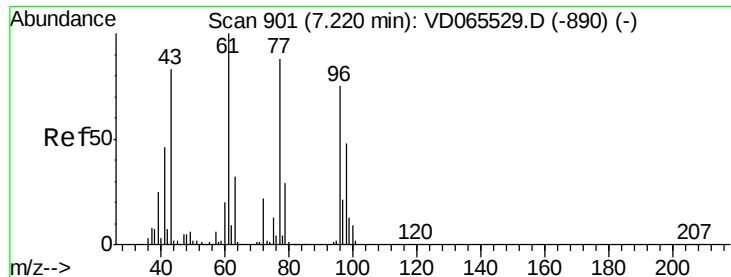


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 96.689 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

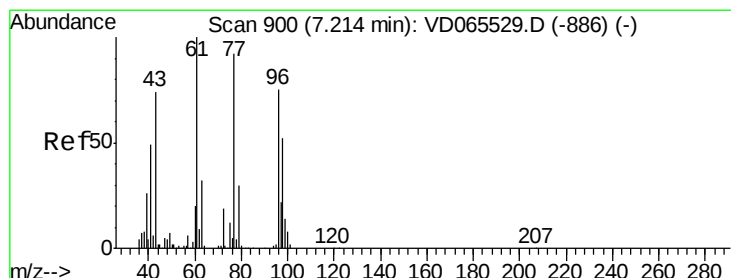
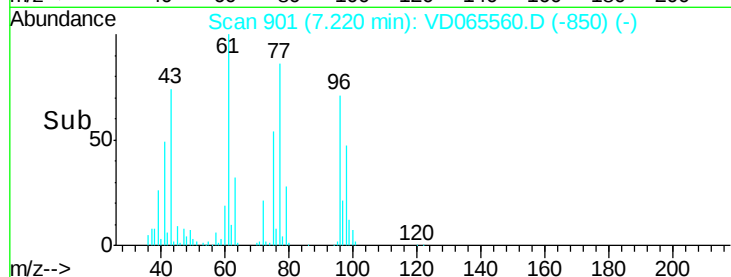
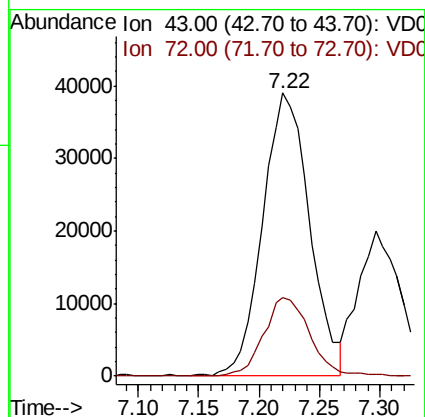
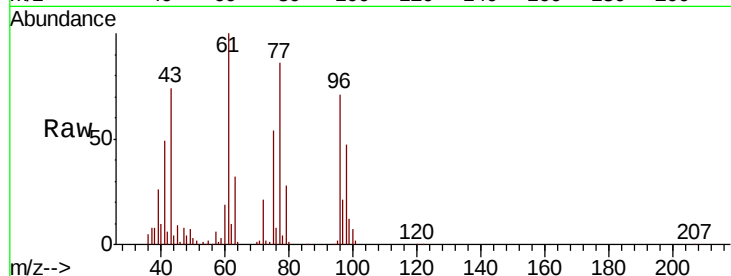
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 105188

Ion Ratio Lower Upper

43 100

72 27.9 21.5 32.3



#26

2,2-Dichloropropane

Concen: 20.748 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065560.D

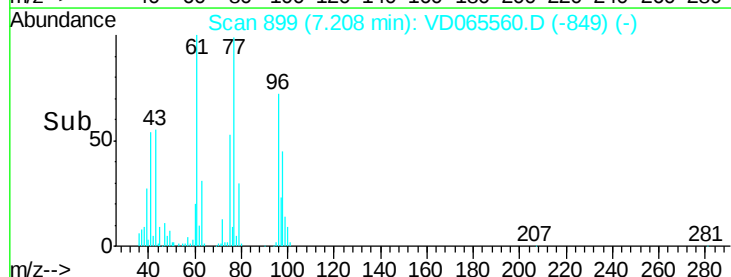
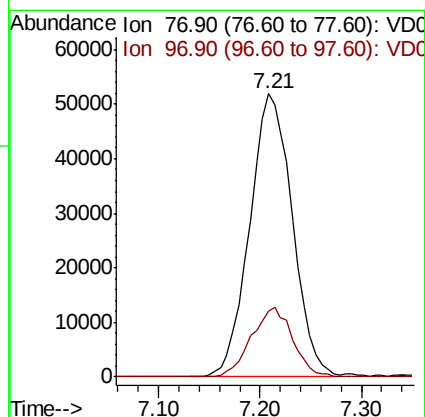
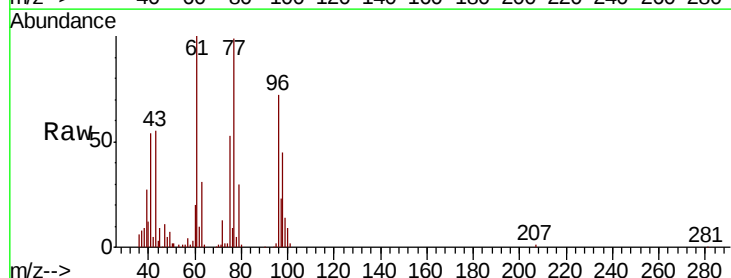
Acq: 31 Mar 2020 12:28

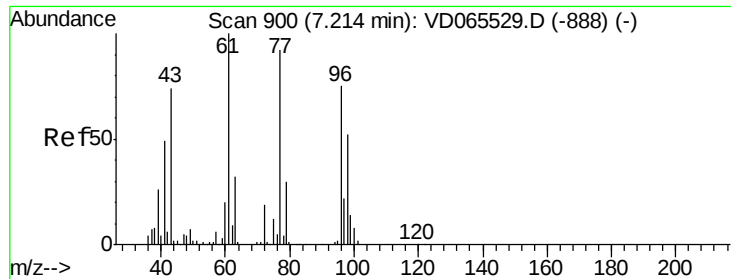
Tgt Ion: 77 Resp: 151467

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1



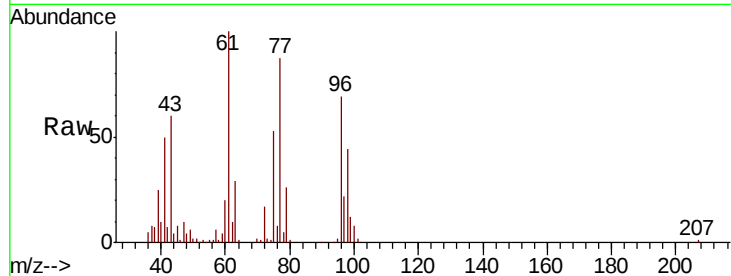


#27

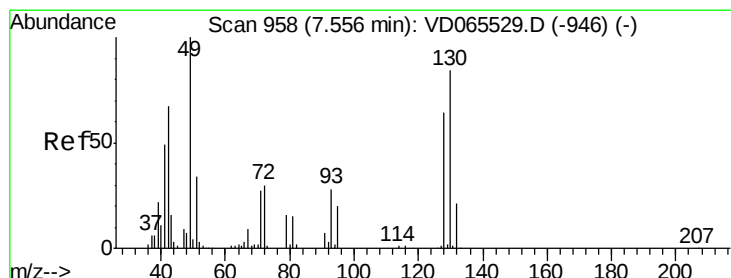
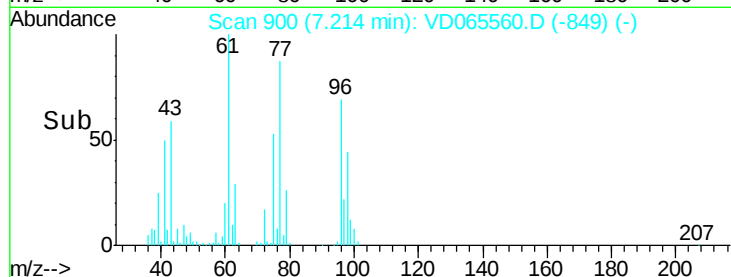
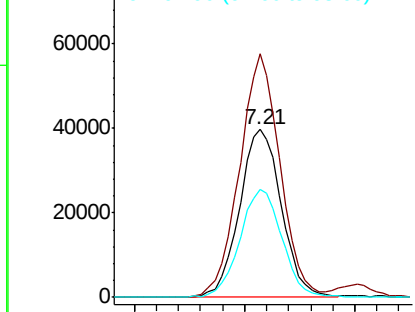
cis-1,2-Dichloroethene
Concen: 20.171 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	105957
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	278.0
98	64.6	0.0	129.6



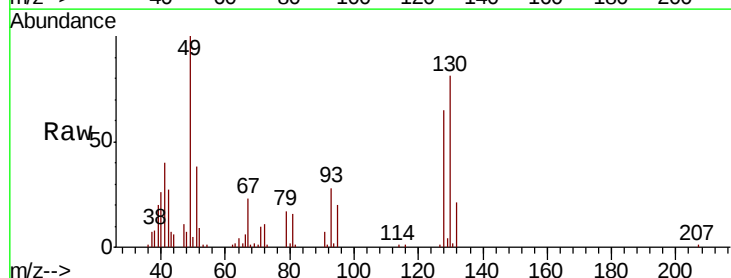
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



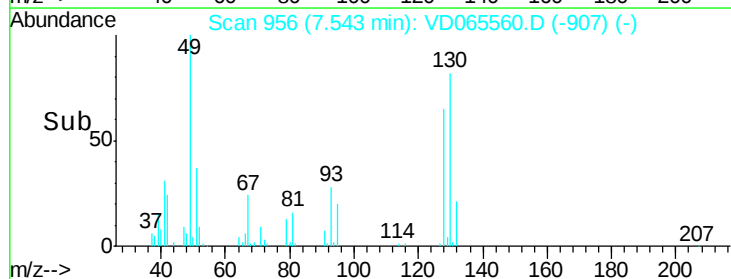
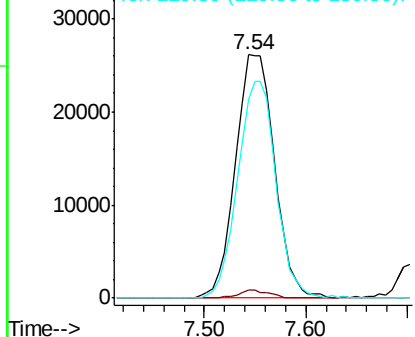
#28

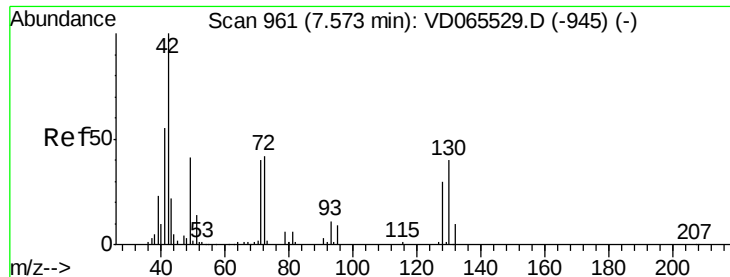
Bromochloromethane
Concen: 20.452 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion	49	Resp	70101
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	87.1	69.7	104.5



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

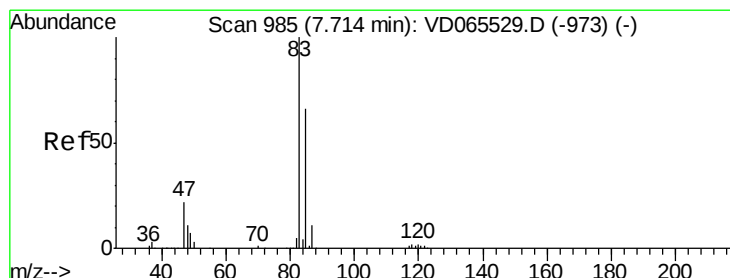
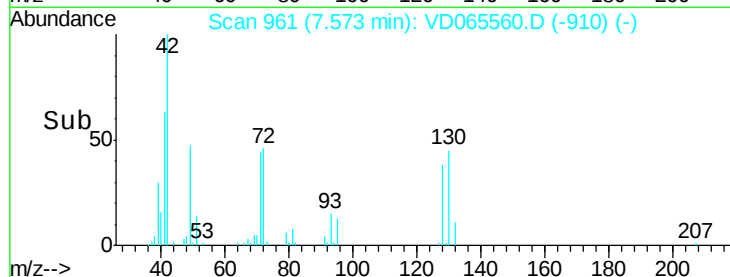
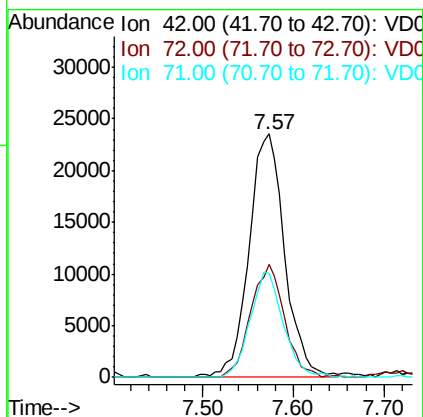
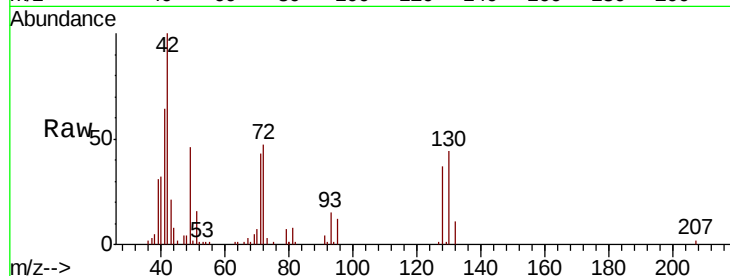




#29
Tetrahydrofuran
Concen: 91.412 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

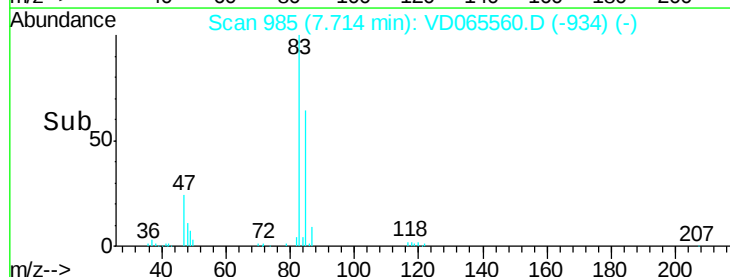
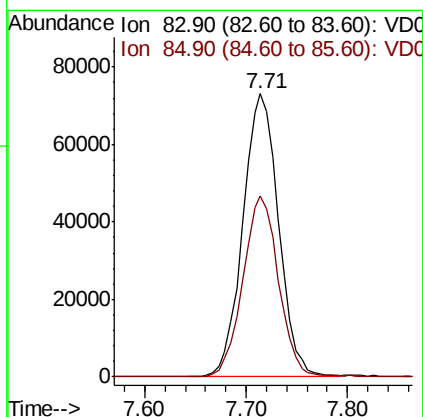
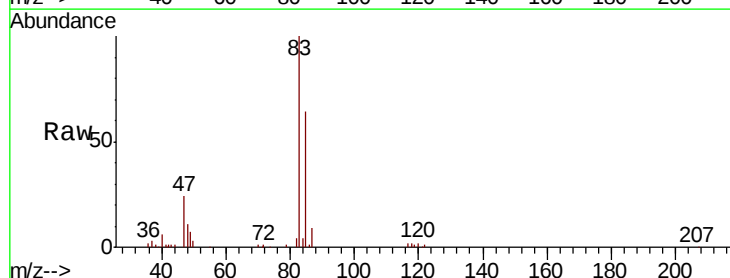
Instrument :
MSVOA_D
ClientSampleId :

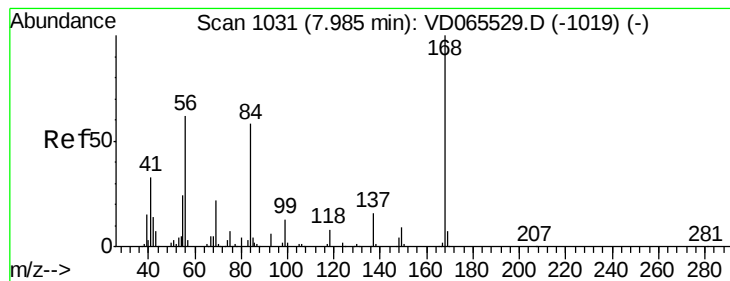
Tot Ion: 42 Resp: 64453
Ion Ratio Lower Upper
42 100
72 43.8 35.0 52.6
71 39.9 33.0 49.6



#30
Chloroform
Concen: 20.942 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 83 Resp: 178833
Ion Ratio Lower Upper
83 100
85 63.7 52.9 79.3





#31

Cyclohexane

Concen: 19.698 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

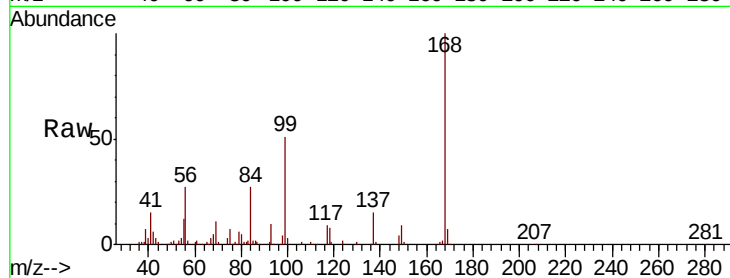
Tot Ion: 56 Resp: 157199

Ion Ratio Lower Upper

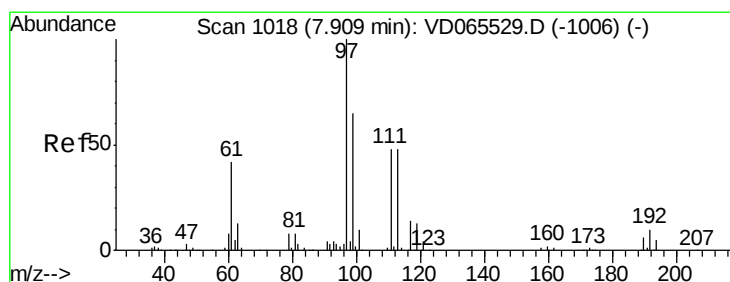
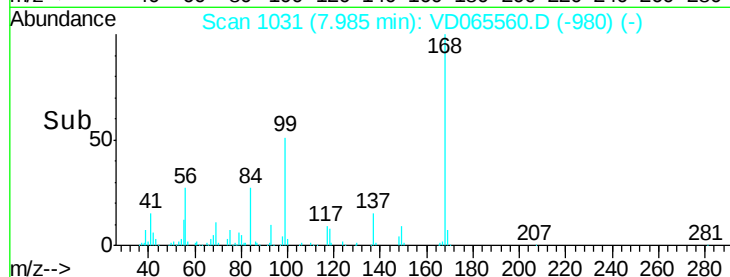
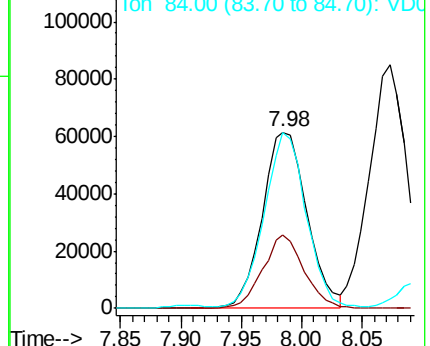
56 100

69 41.8 28.2 42.4

84 98.2 73.4 110.0



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



#32

1,1,1-Trichloroethane

Concen: 20.611 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

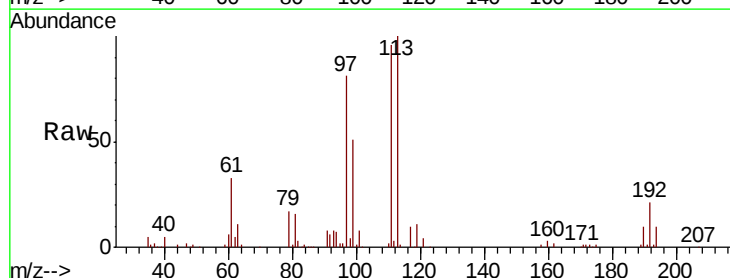
Tgt Ion: 97 Resp: 159011

Ion Ratio Lower Upper

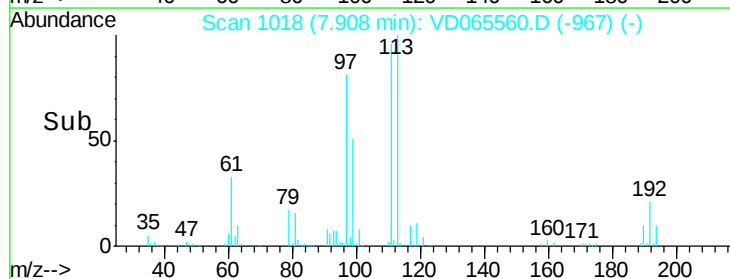
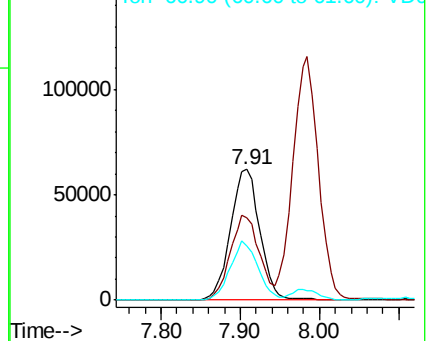
97 100

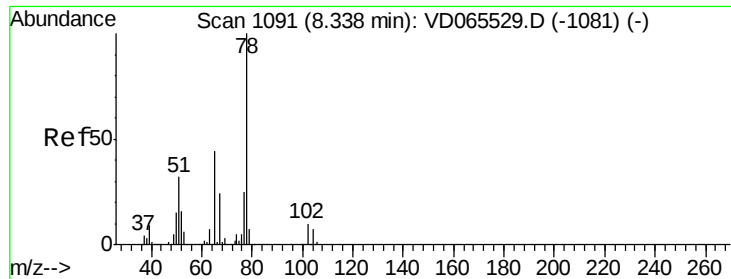
99 64.8 51.2 76.8

61 42.5 33.4 50.2



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

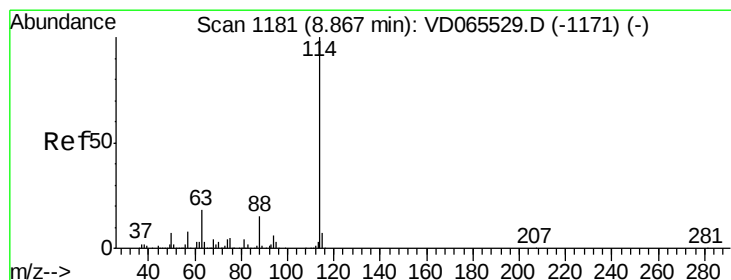
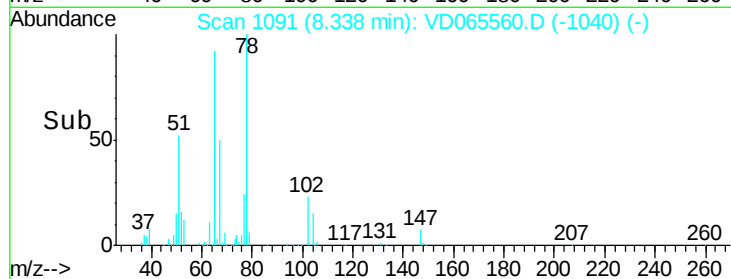
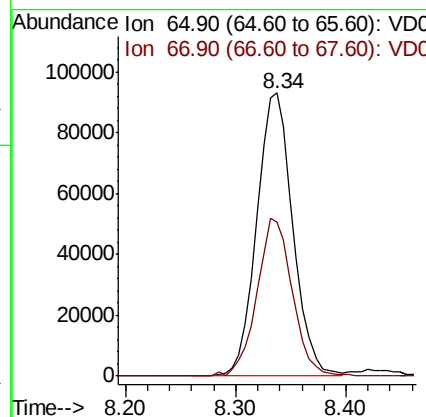
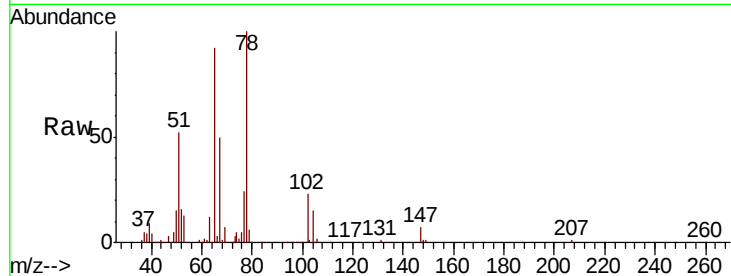




#33
 1,2-Dichloroethane-d4
 Concen: 50.087 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

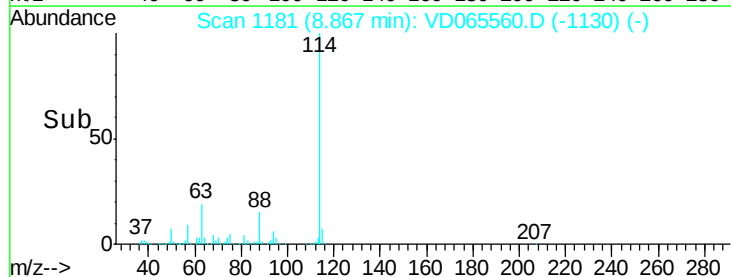
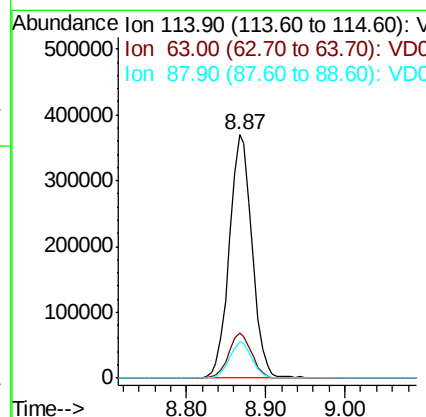
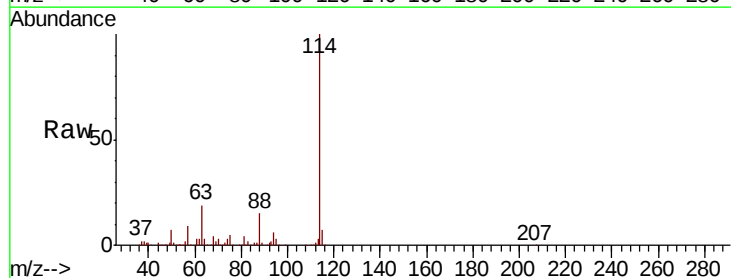
Instrument :
 MSVOA_D
 ClientSampled :

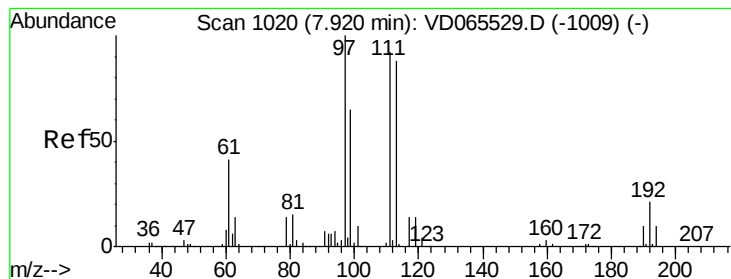
Tot Ion: 65 Resp: 212643
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Tgt Ion: 114 Resp: 733039
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.0
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.542 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

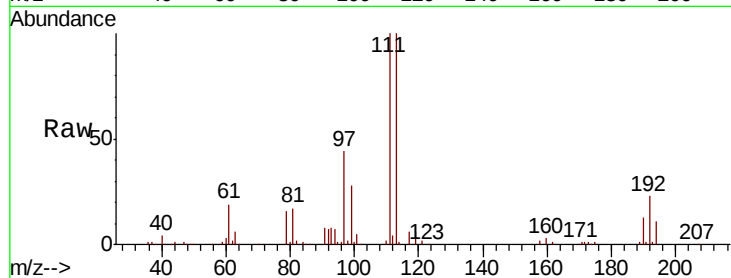
Tot Ion:113 Resp: 233209

Ion Ratio Lower Upper

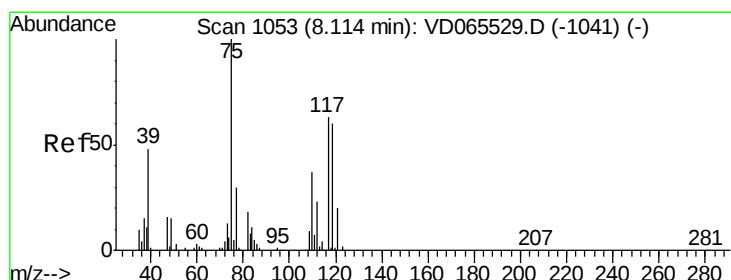
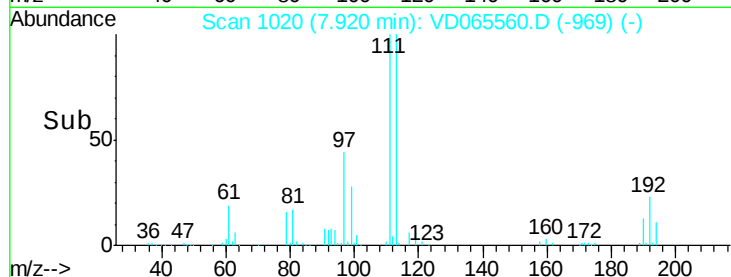
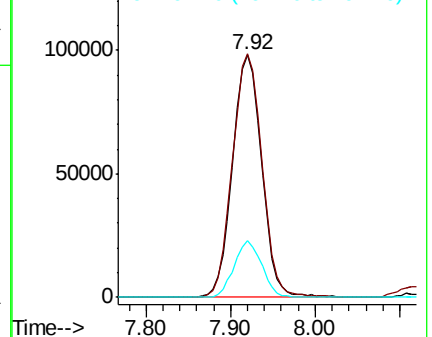
113 100

111 102.2 83.3 124.9

192 22.2 18.5 27.7



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



#36

1,1-Dichloropropene

Concen: 20.386 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

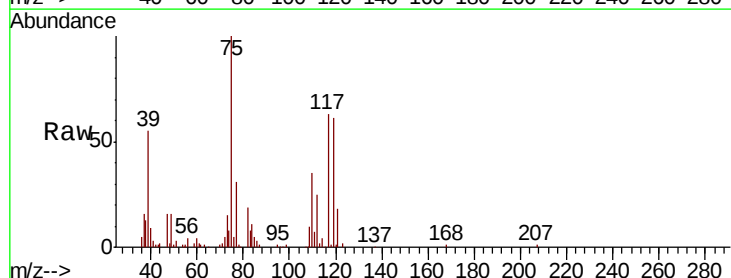
Tgt Ion: 75 Resp: 136532

Ion Ratio Lower Upper

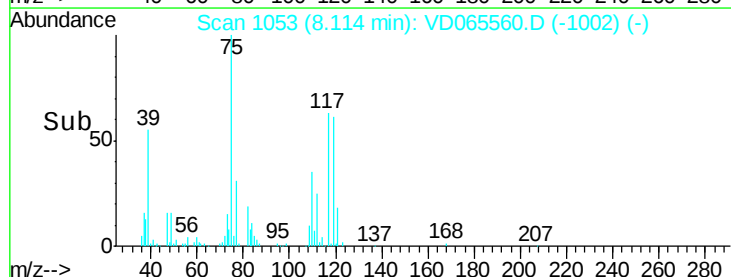
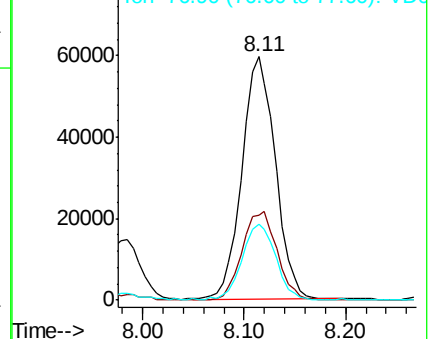
75 100

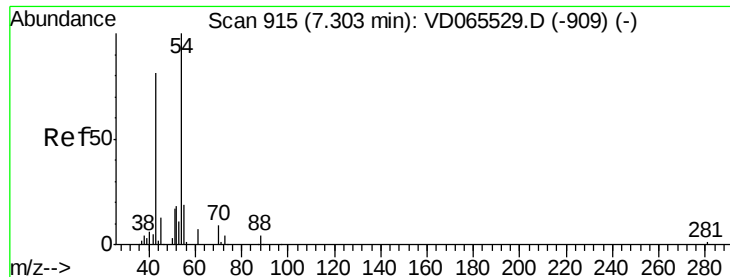
110 38.1 18.8 56.4

77 31.7 25.1 37.7



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

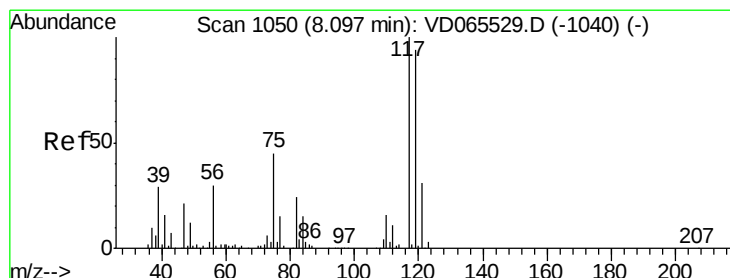
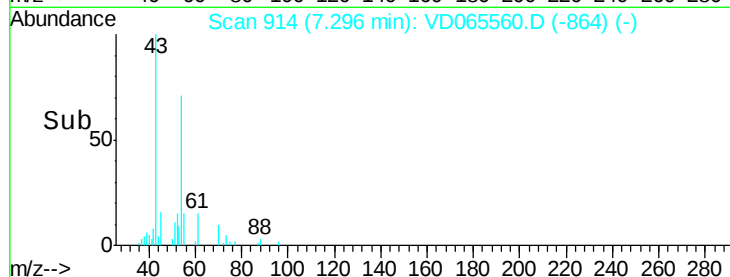
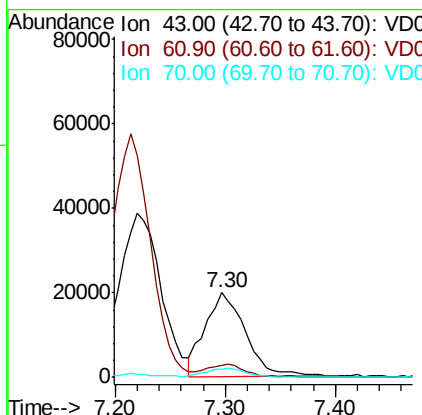
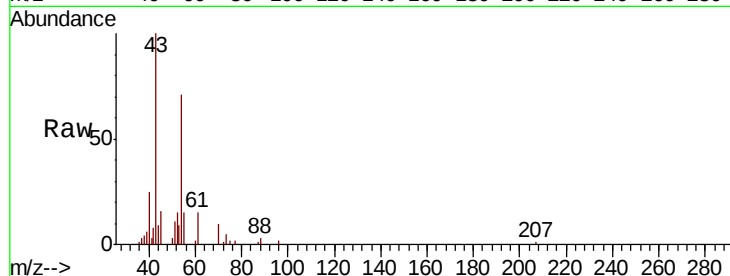




#37
Ethyl Acetate
Concen: 19.522 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

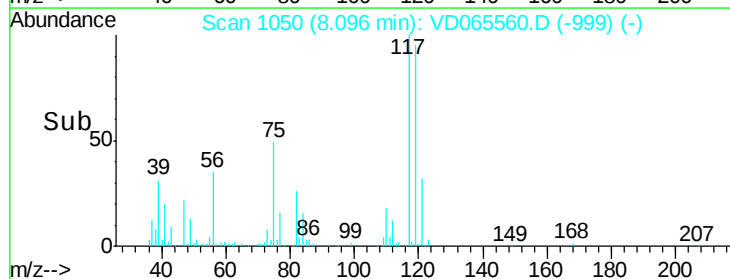
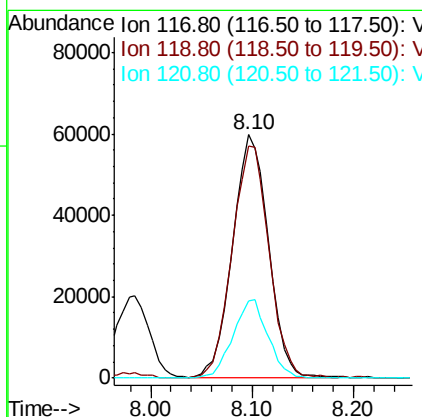
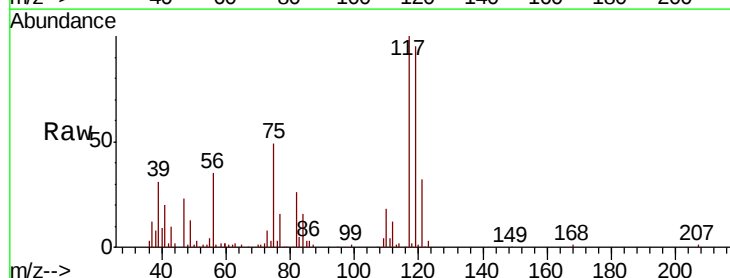
Instrument :
MSVOA_D
ClientSampleId :

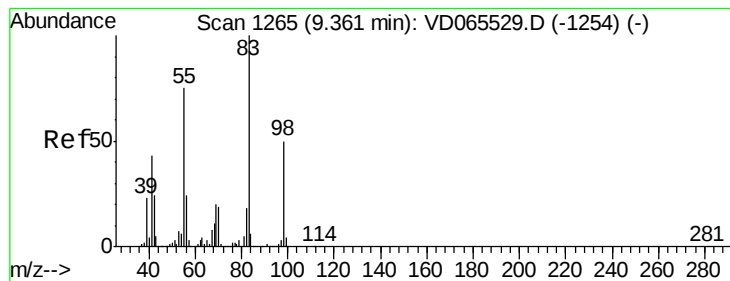
Tot Ion: 43 Resp: 50049
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.865 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 117 Resp: 147186
Ion Ratio Lower Upper
117 100
119 95.4 75.2 112.8
121 31.6 24.5 36.7





#39

Methvlcvclohexane

Concen: 19.612 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

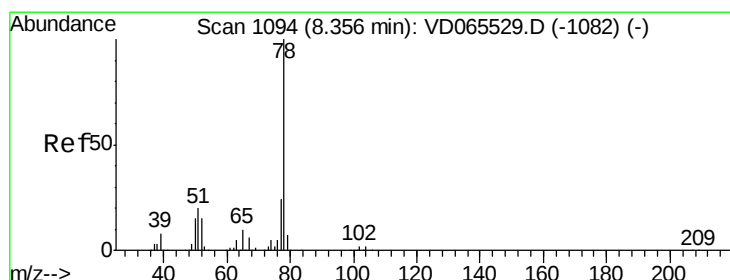
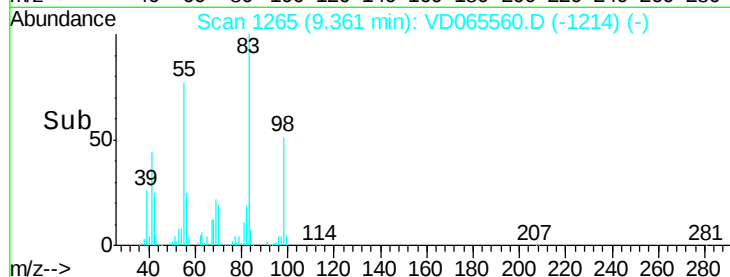
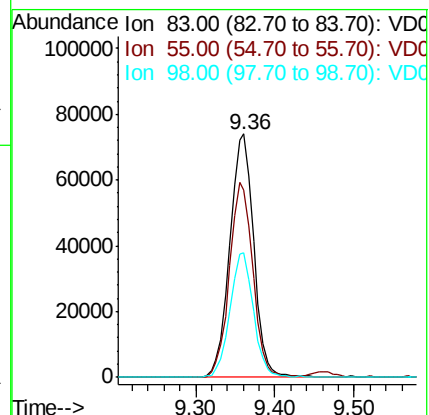
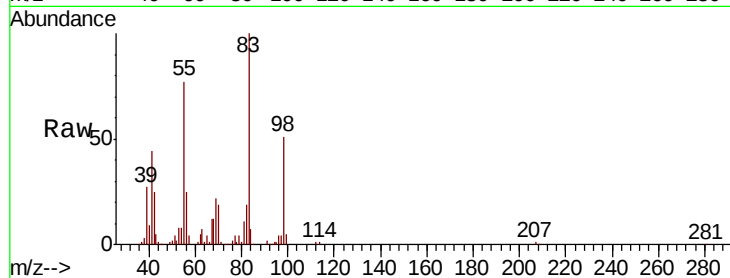
Tot Ion: 83 Resp: 154860

Ion Ratio Lower Upper

83 100

55 76.9 59.7 89.5

98 51.1 40.2 60.2



#40

Benzene

Concen: 21.236 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD065560.D

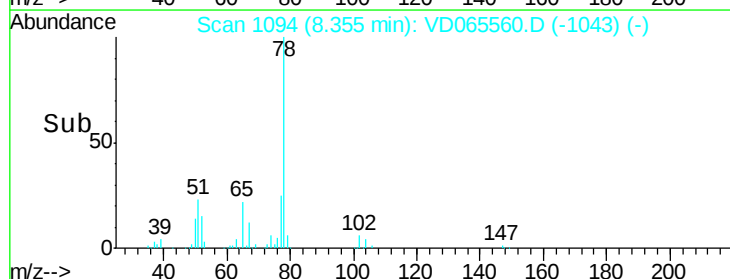
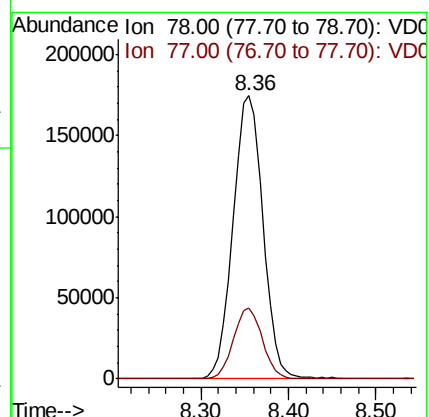
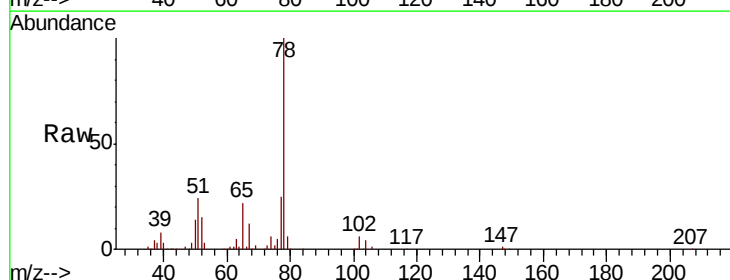
Acq: 31 Mar 2020 12:28

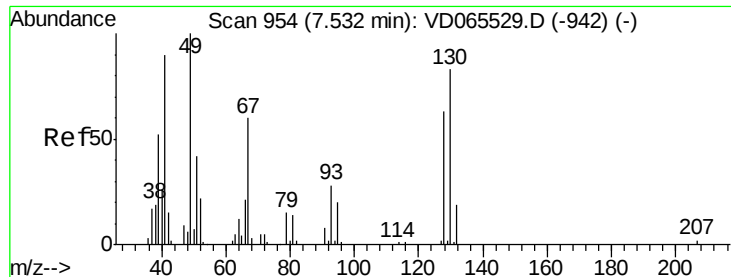
Tgt Ion: 78 Resp: 405852

Ion Ratio Lower Upper

78 100

77 24.9 19.1 28.7





#41

Methacrylonitrile

Concen: 20.142 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 29808

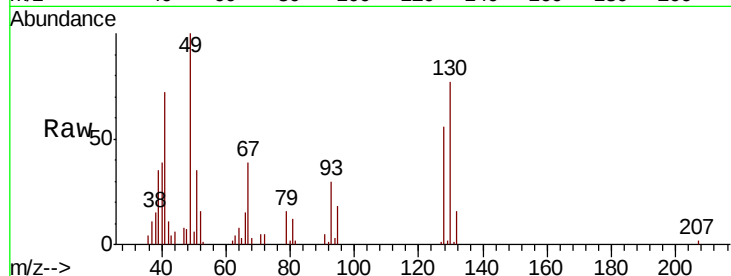
Ion Ratio Lower Upper

41 100

39 48.1 42.9 64.3

67 66.6 60.5 90.7

52 29.0 24.5 36.7

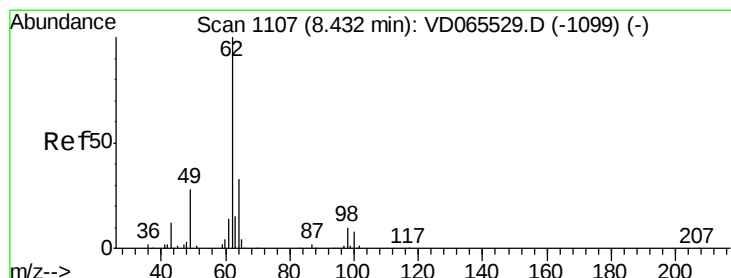
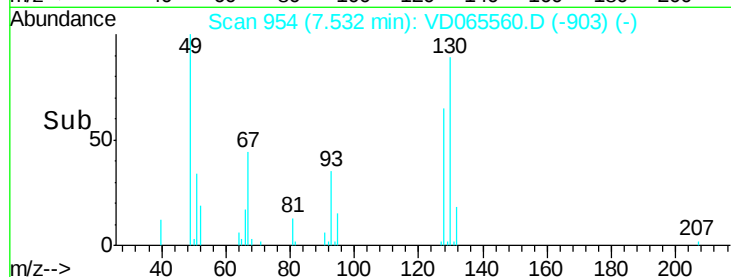
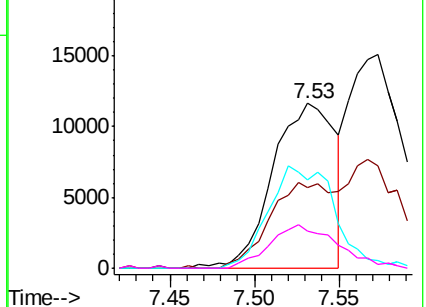


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.403 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065560.D

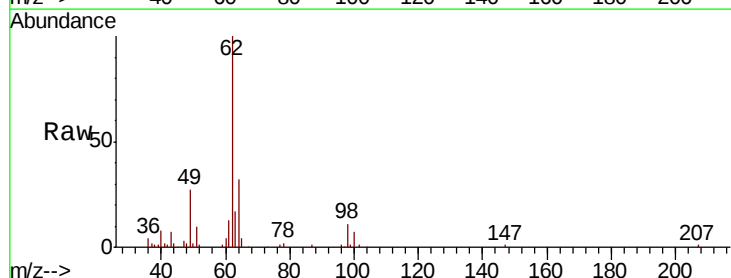
Acq: 31 Mar 2020 12:28

Tgt Ion: 62 Resp: 103761

Ion Ratio Lower Upper

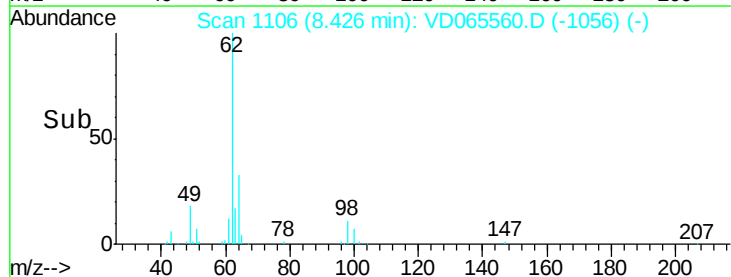
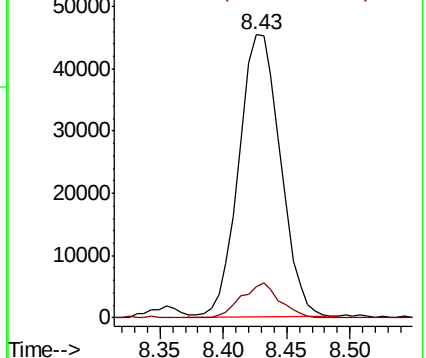
62 100

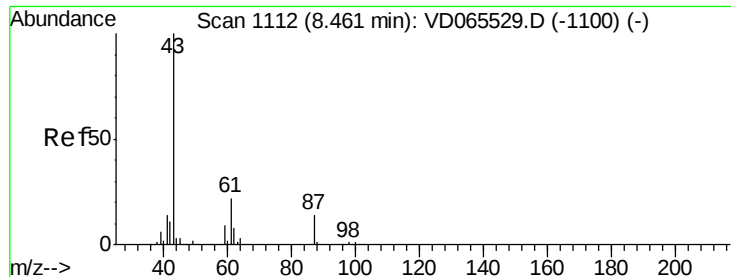
98 11.3 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

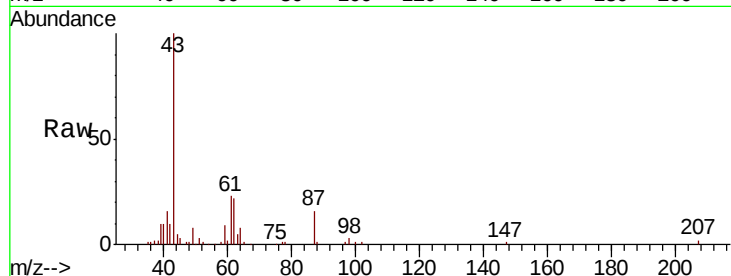




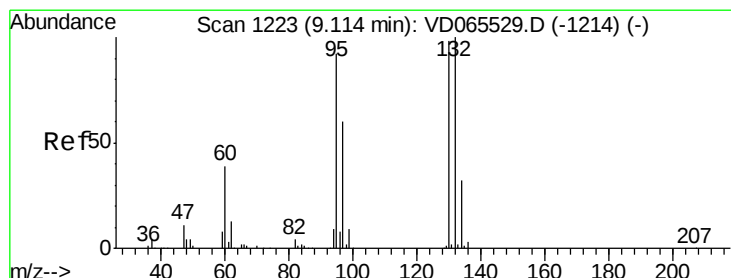
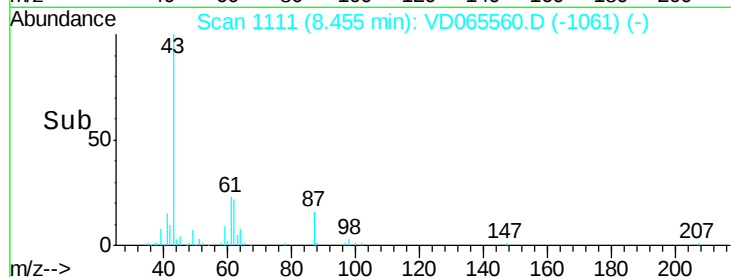
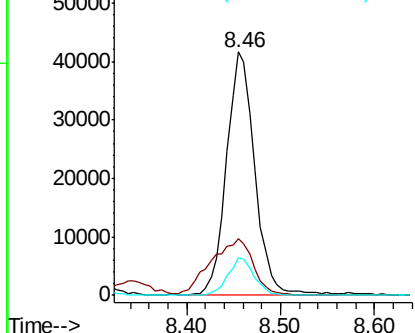
#43
Isopropyl Acetate
Concen: 18.735 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 87219
Ion Ratio Lower Upper
43 100
61 34.4 25.0 37.4
87 14.4 11.0 16.4

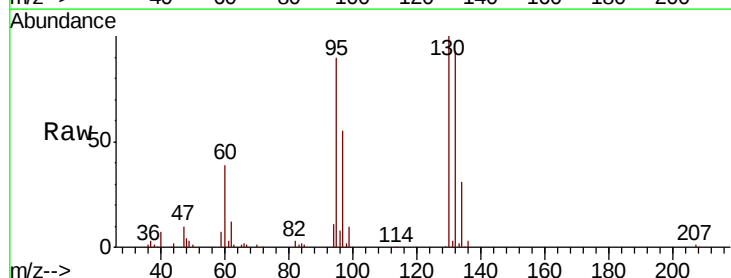


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

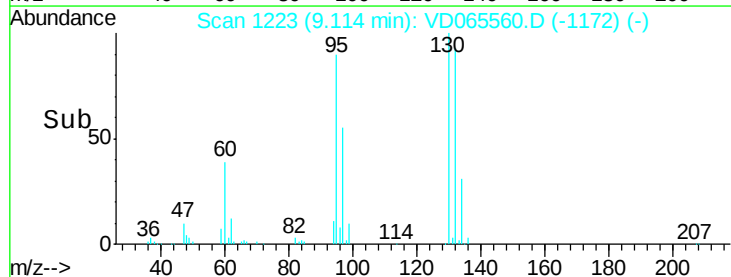
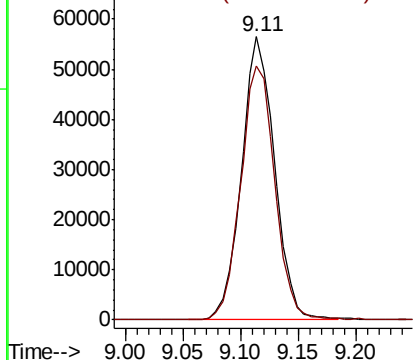


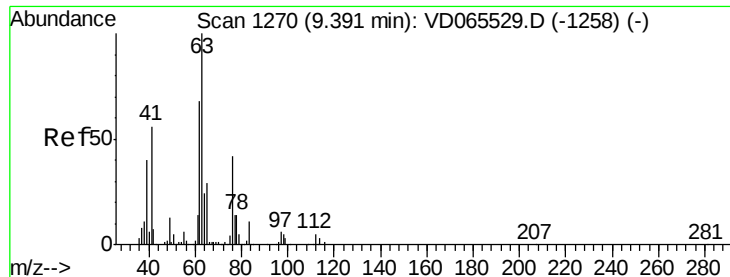
#44
Trichloroethene
Concen: 20.247 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion:130 Resp: 112274
Ion Ratio Lower Upper
130 100
95 89.9 0.0 187.0



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

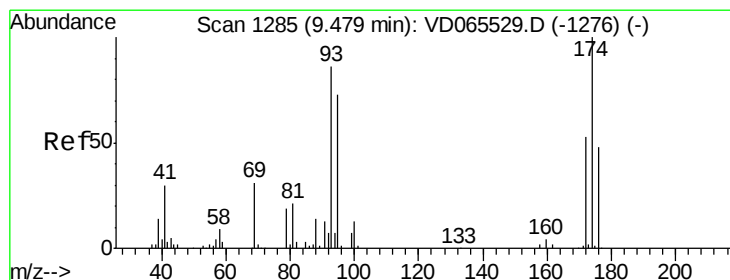
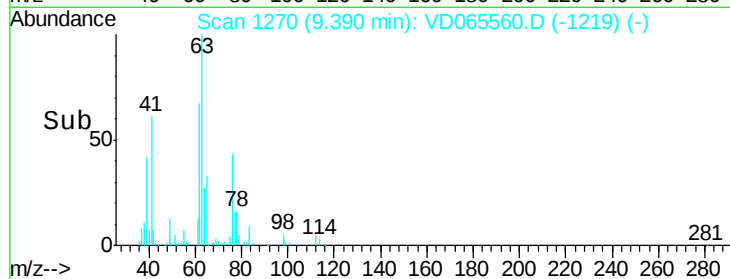
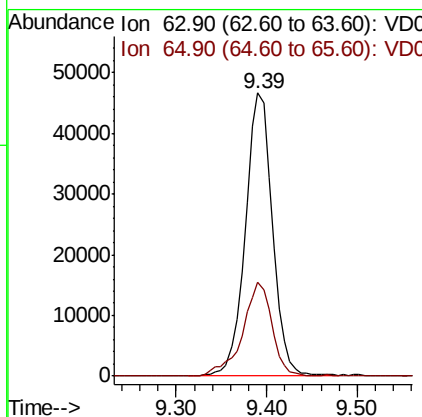
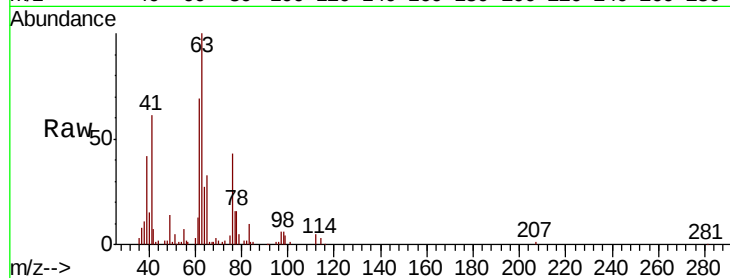




#45
 1,2-Dichloropropane
 Concen: 20.784 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

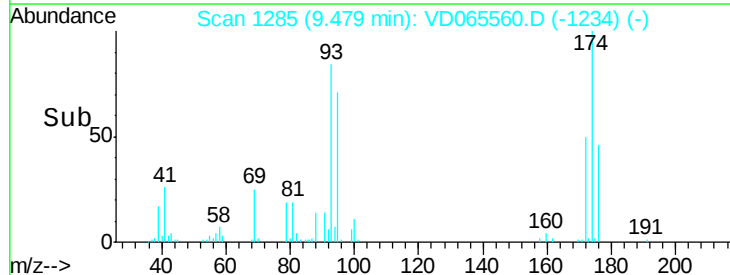
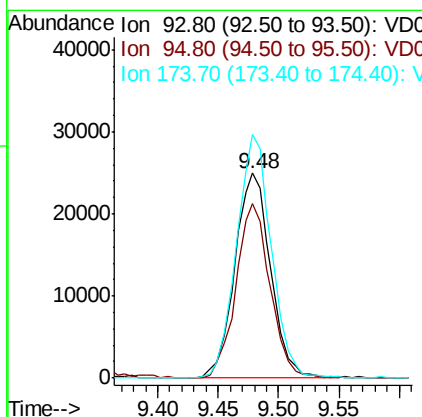
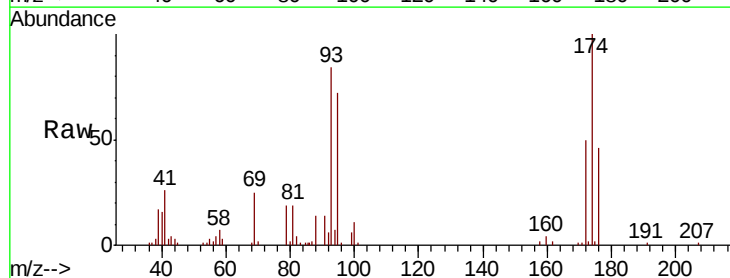
Instrument :
 MSVOA_D
 ClientSampled :

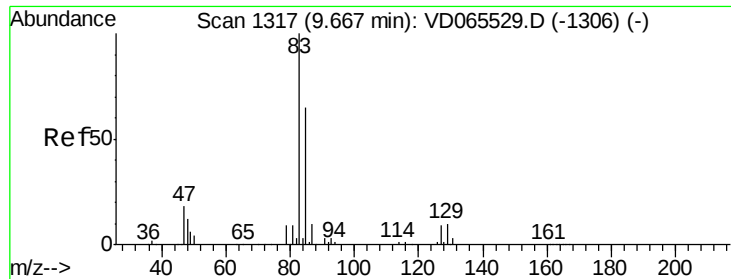
Tot Ion: 63 Resp: 96489
 Ion Ratio Lower Upper
 63 100
 65 33.4 23.5 35.3



#46
 Dibromomethane
 Concen: 21.085 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Tgt Ion: 93 Resp: 51364
 Ion Ratio Lower Upper
 93 100
 95 81.2 67.3 100.9
 174 115.9 92.5 138.7





#47

Bromodichloromethane

Concen: 20.830 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

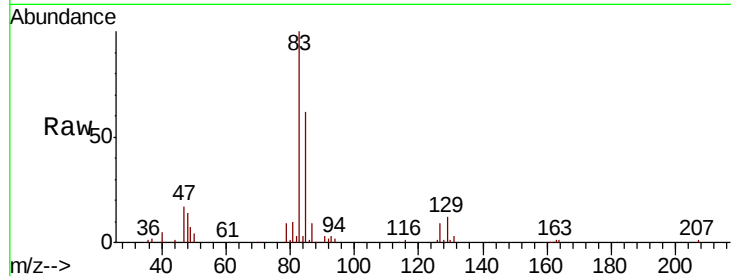
Tot Ion: 83 Resp: 134426

Ion Ratio Lower Upper

83 100

85 61.9 52.2 78.2

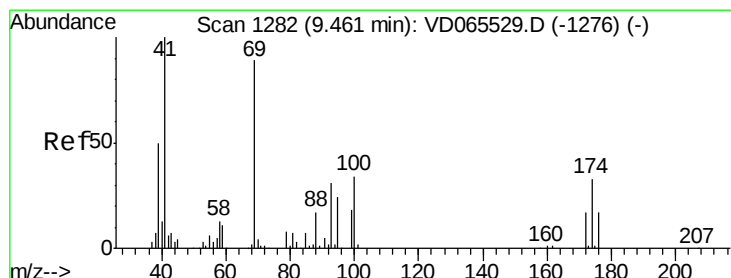
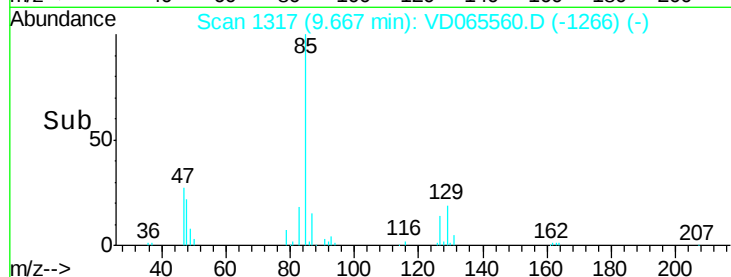
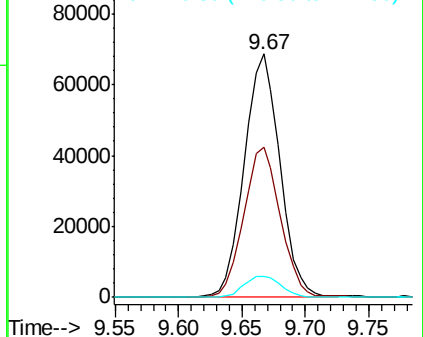
127 8.6 7.1 10.7



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): VDC



#48

Methyl methacrylate

Concen: 18.274 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

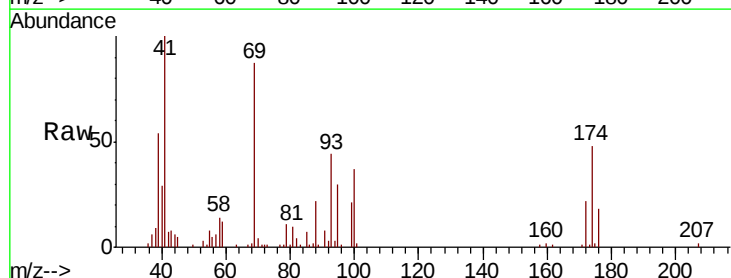
Tgt Ion: 41 Resp: 40452

Ion Ratio Lower Upper

41 100

69 92.1 71.8 107.6

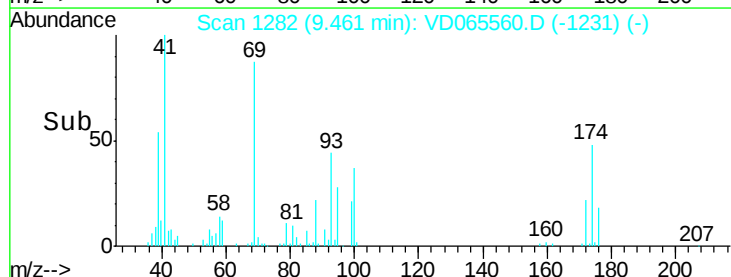
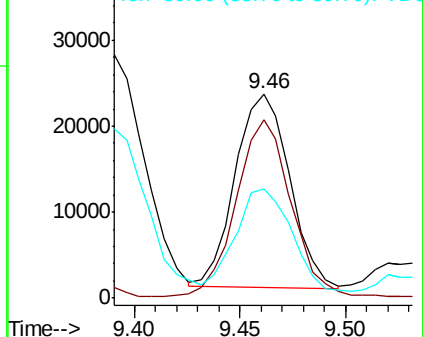
39 53.2 42.2 63.4

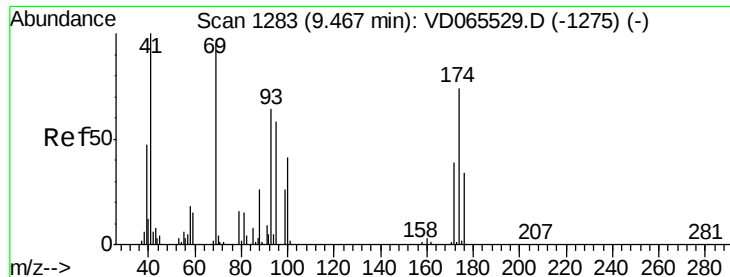


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

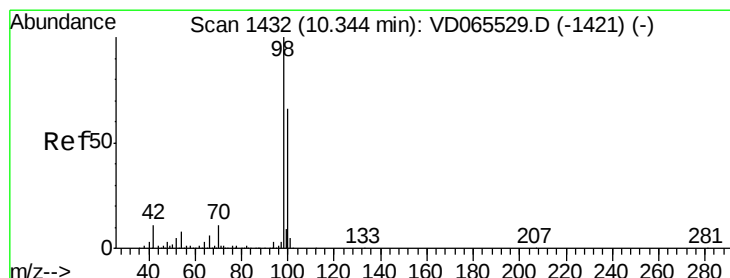
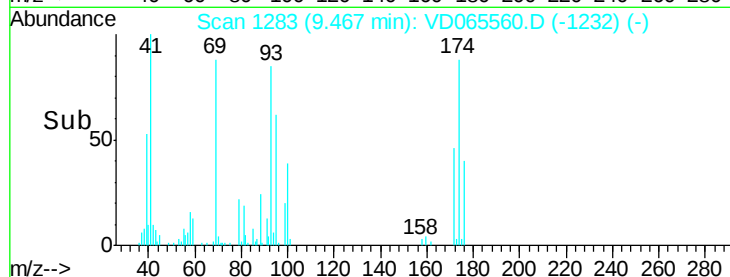
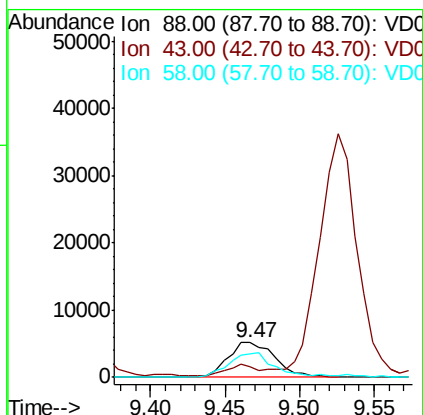
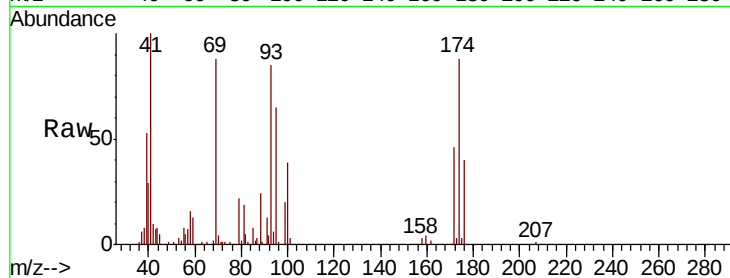




#49
1,4-Dioxane
Concen: 430.398 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

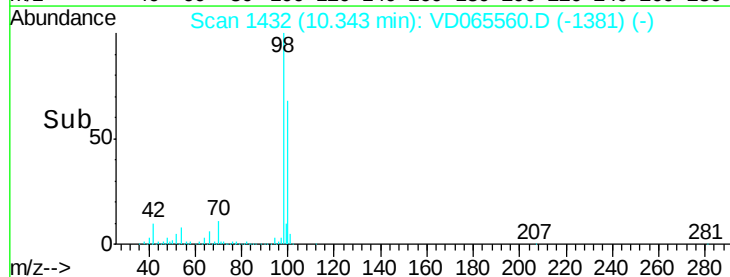
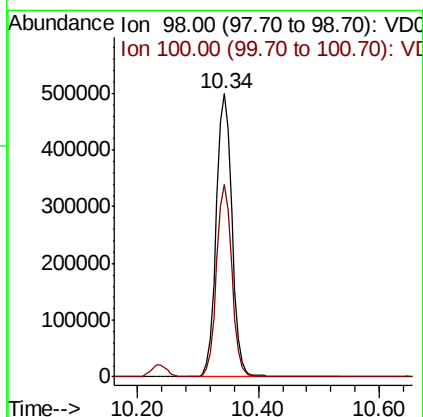
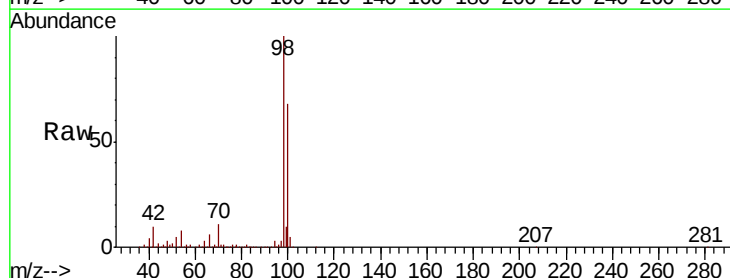
Instrument :
MSVOA_D
ClientSampleId :

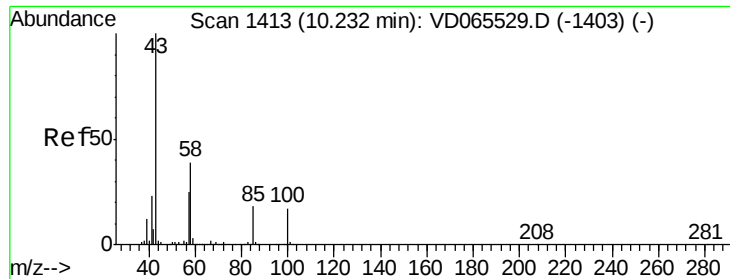
Tot Ion: 88 Resp: 11401
Ion Ratio Lower Upper
88 100
43 26.6 26.0 39.0
58 66.5 54.6 82.0



#50
Toluene-d8
Concen: 52.597 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 98 Resp: 893466
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2

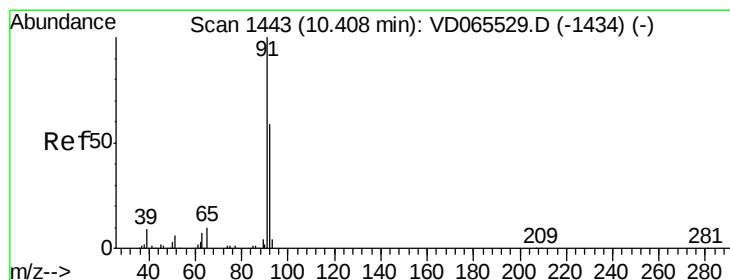
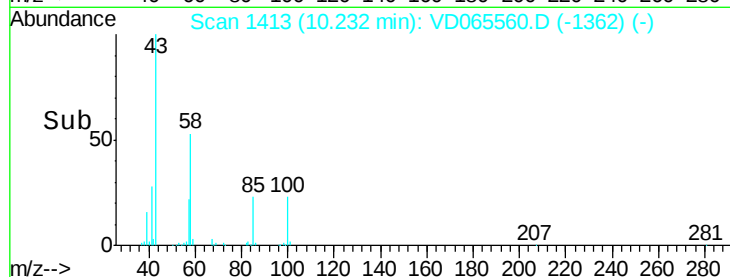
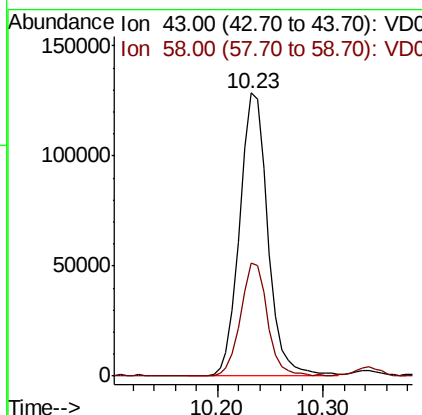
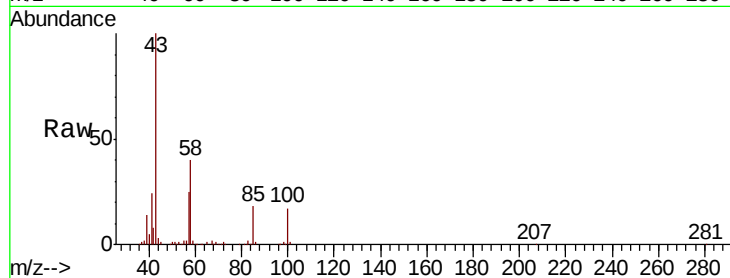




#51
4-Methyl-2-Pentanone
Concen: 101.765 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

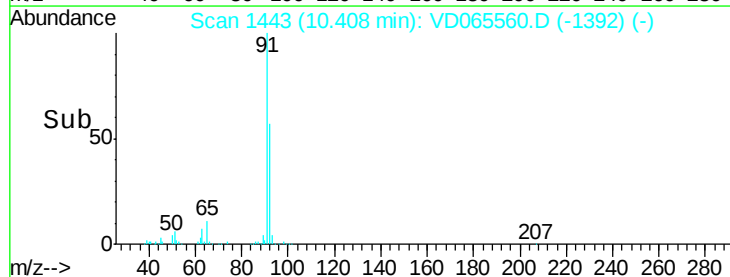
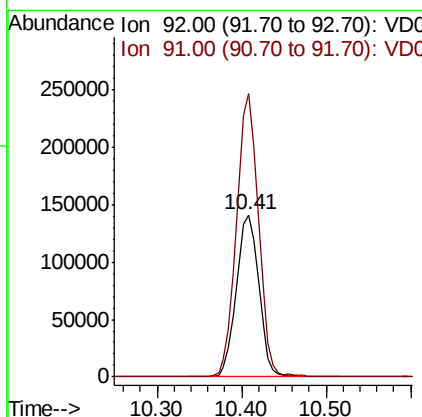
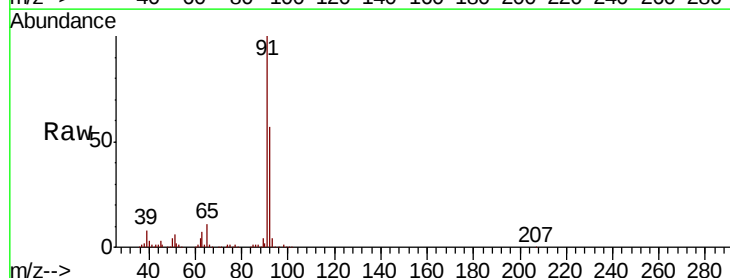
Instrument :
MSVOA_D
ClientSampleID :

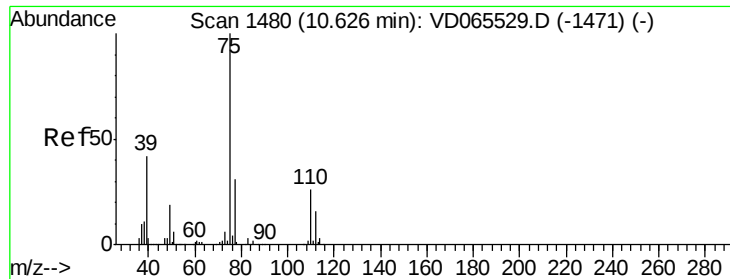
Tot Ion: 43 Resp: 239085
Ion Ratio Lower Upper
43 100
58 38.0 31.4 47.2



#52
Toluene
Concen: 21.294 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 92 Resp: 257725
Ion Ratio Lower Upper
92 100
91 170.9 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 20.016 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

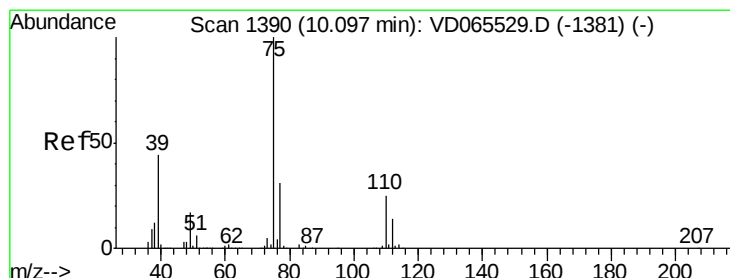
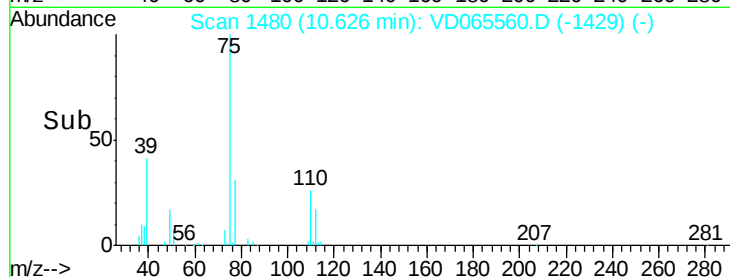
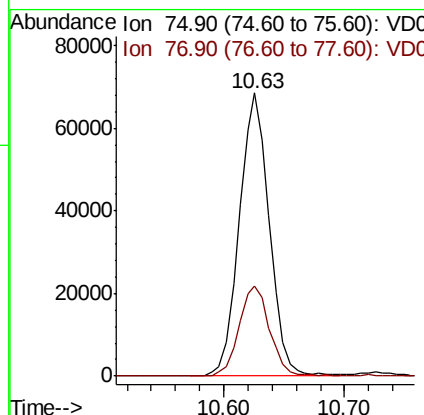
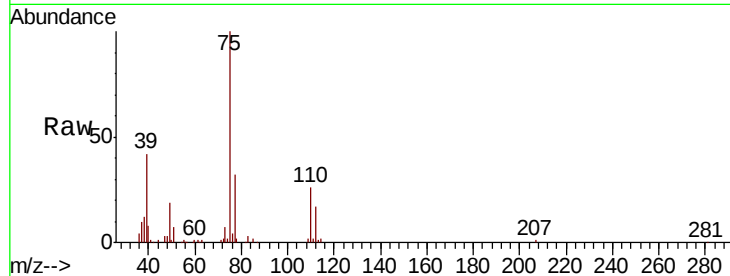
ClientSampleId :

Tot Ion: 75 Resp: 118144

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.903 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

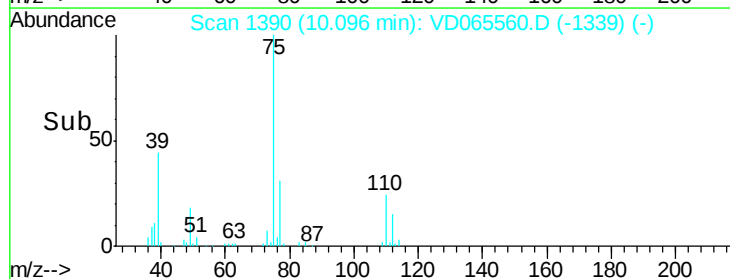
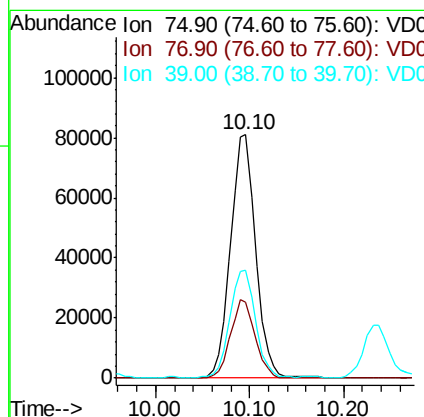
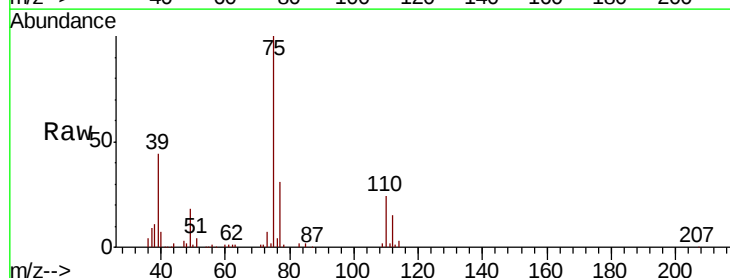
Tgt Ion: 75 Resp: 150949

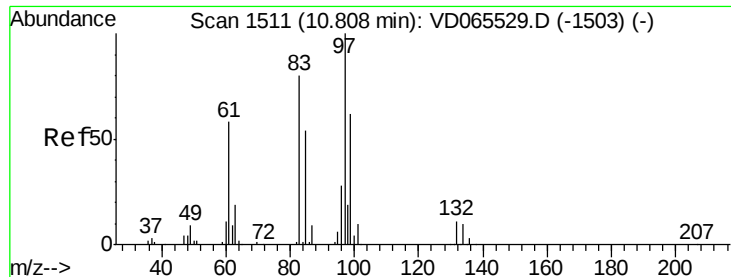
Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 44.4 35.4 53.2

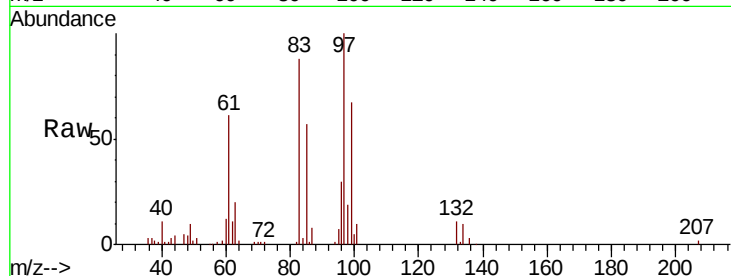




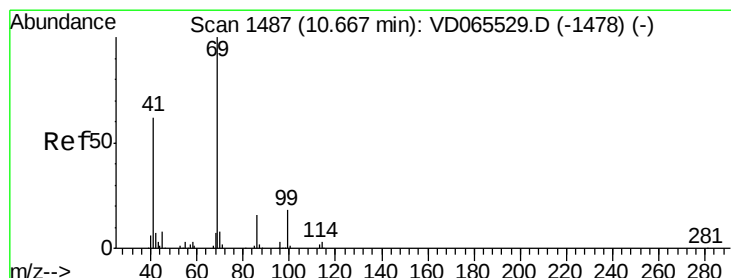
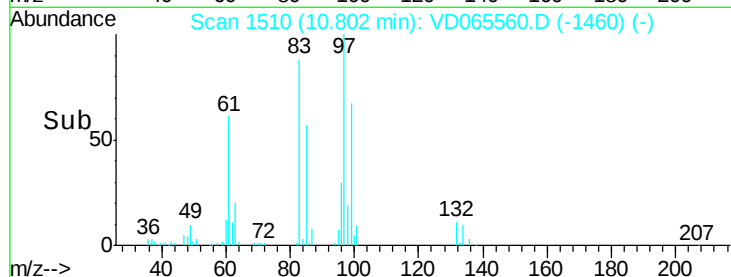
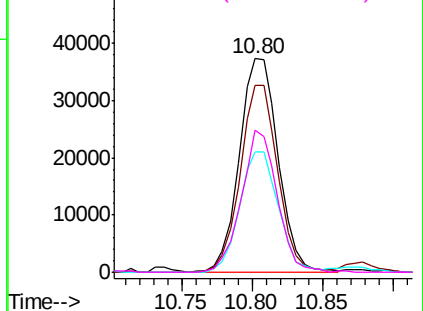
#55
 1,1,2-Trichloroethane
 Concen: 20.720 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	72003
Ion	Ratio	Lower	Upper
97	100		
83	87.8	63.8	95.6
85	56.5	42.9	64.3
99	66.8	49.9	74.9

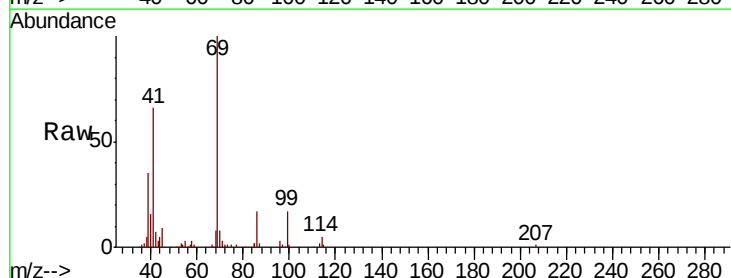


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

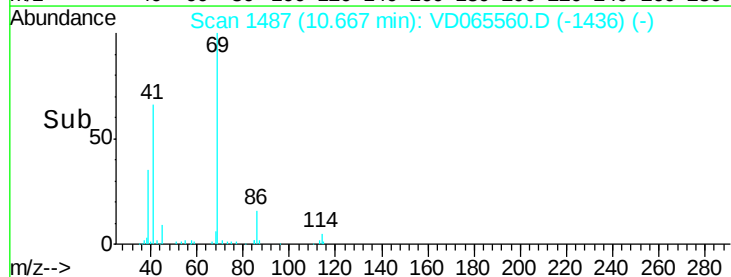
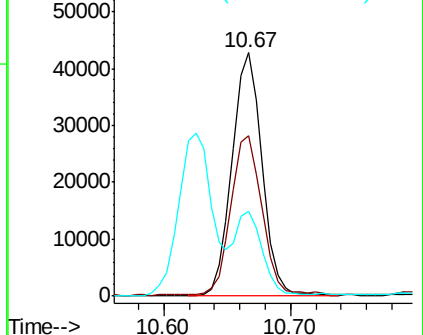


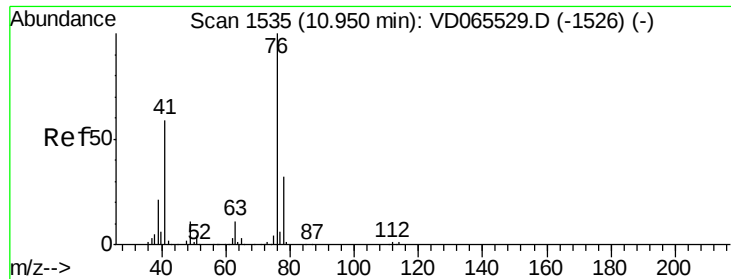
#56
 Ethyl methacrylate
 Concen: 18.742 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Tgt Ion:	69	Resp:	70188
Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.3	76.9
39	31.0	25.3	37.9



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: 20.087 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

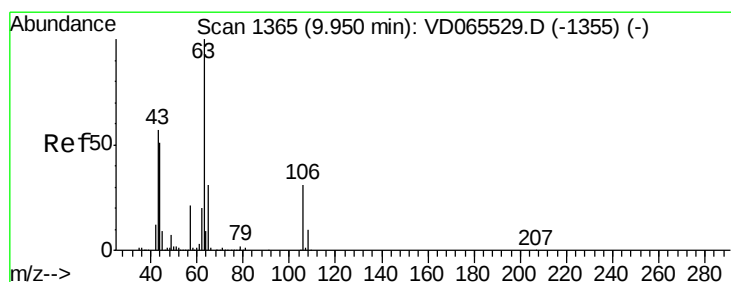
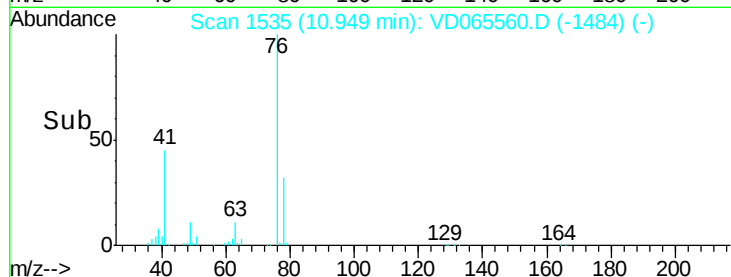
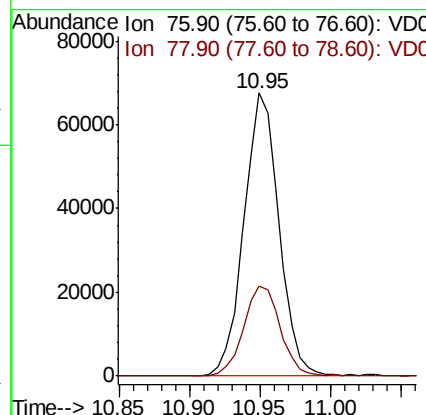
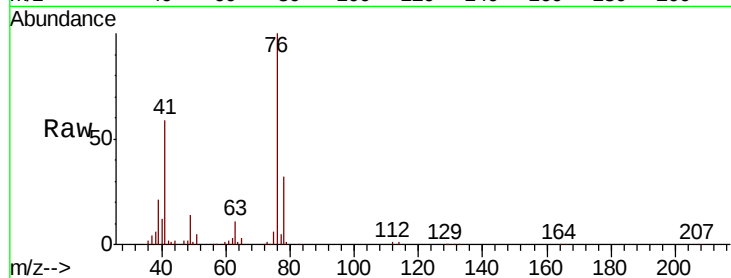
ClientSampleId :

Tot Ion: 76 Resp: 117463

Ion Ratio Lower Upper

76 100

78 33.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 97.398 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065560.D

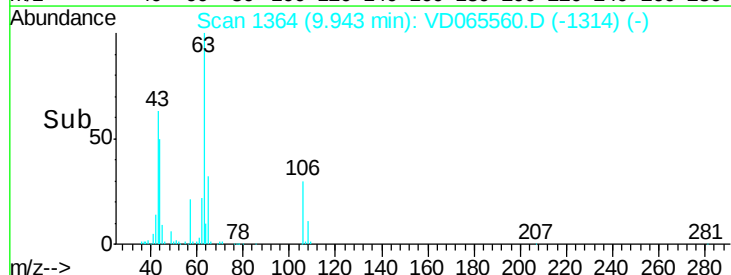
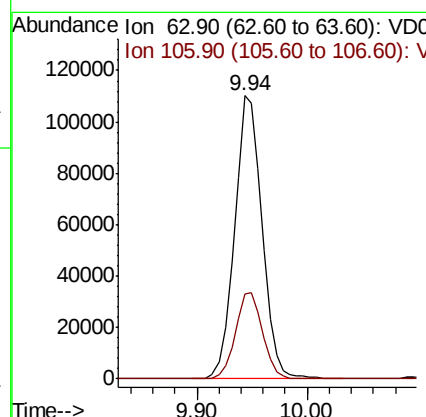
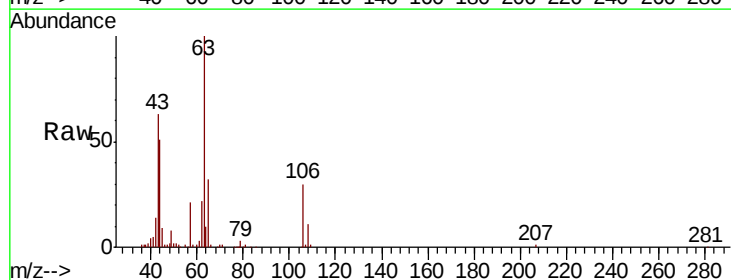
Acq: 31 Mar 2020 12:28

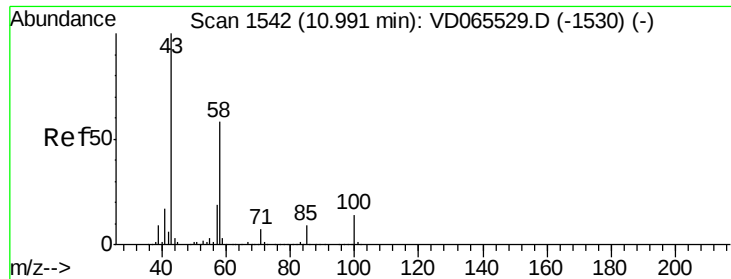
Tgt Ion: 63 Resp: 192070

Ion Ratio Lower Upper

63 100

106 30.1 24.3 36.5

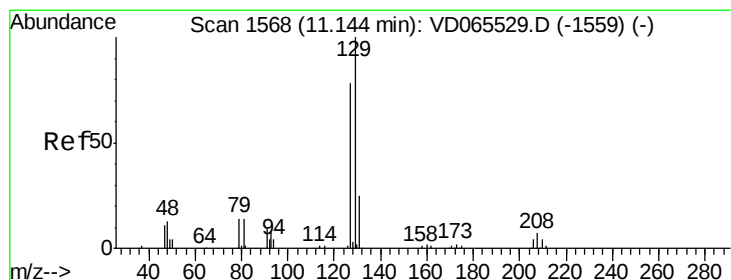
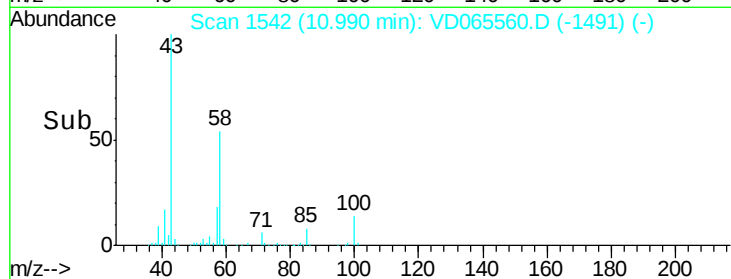
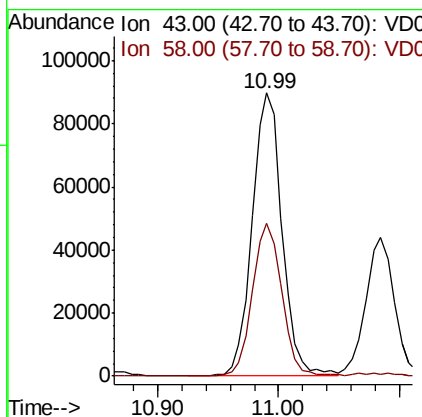
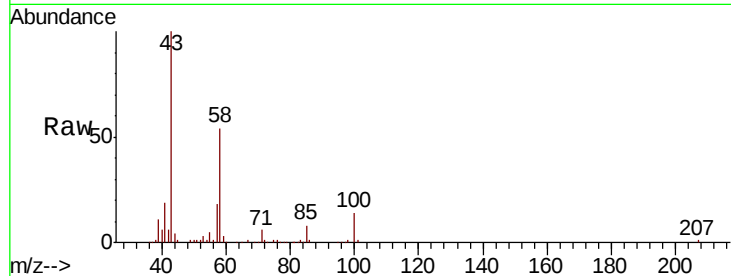




#59
2-Hexanone
Concen: 97.059 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

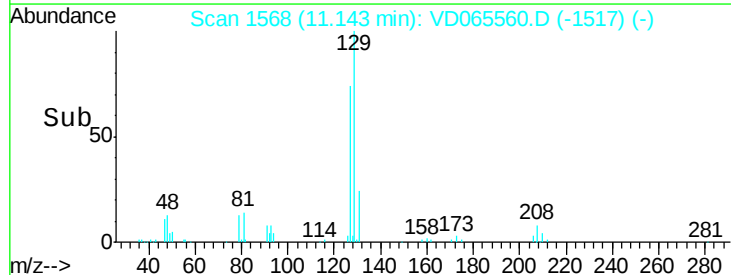
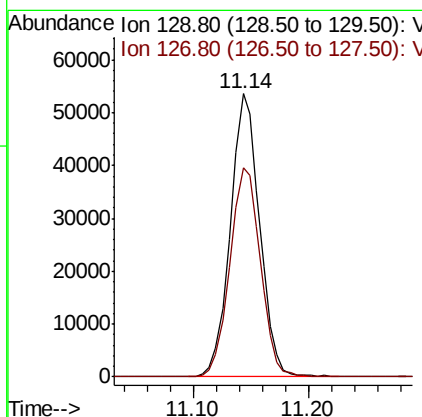
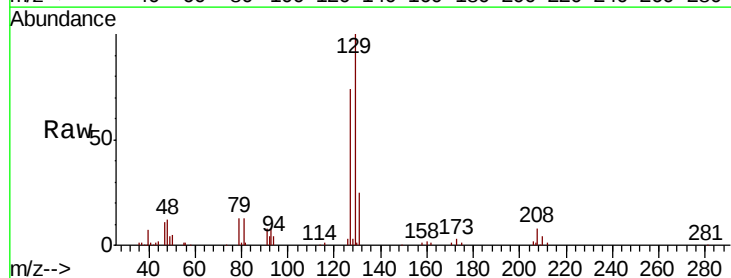
Instrument :
MSVOA_D
ClientSampled :

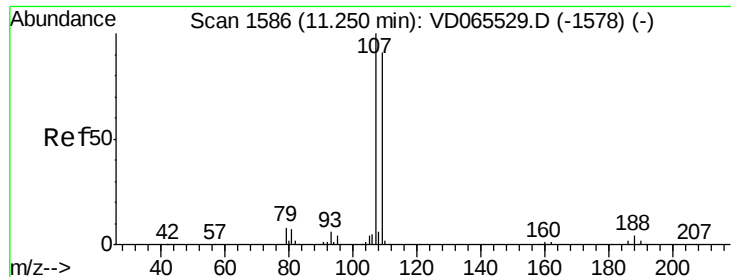
Tot Ion: 43 Resp: 155475
Ion Ratio Lower Upper
43 100
58 53.0 27.9 83.7



#60
Dibromochloromethane
Concen: 20.362 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 129 Resp: 93770
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6

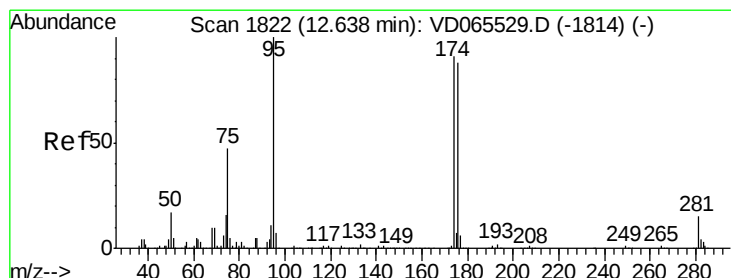
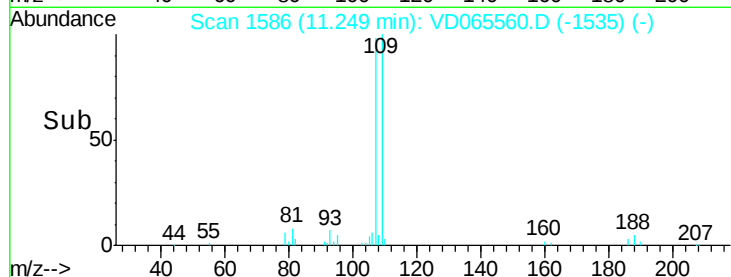
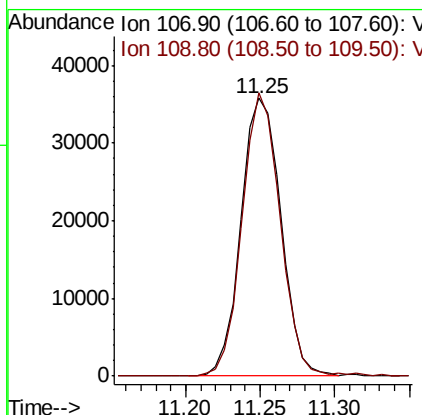
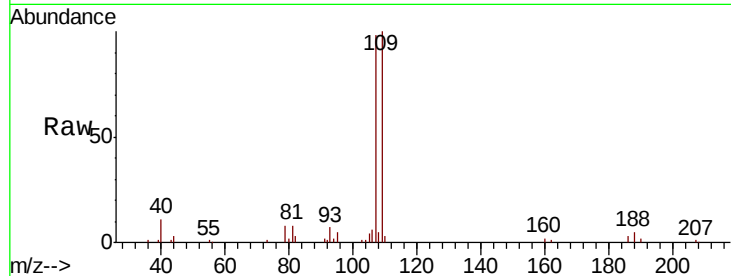




#61
1,2-Dibromoethane
Concen: 19.706 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

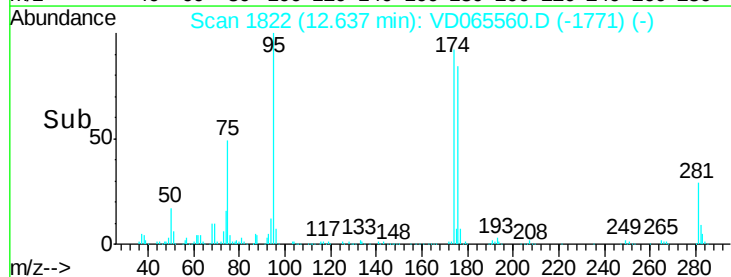
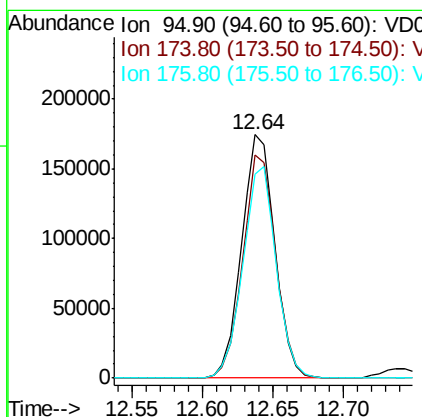
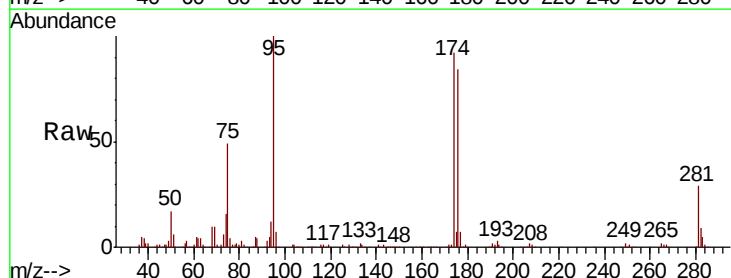
Instrument :
MSVOA_D
ClientSampleId :

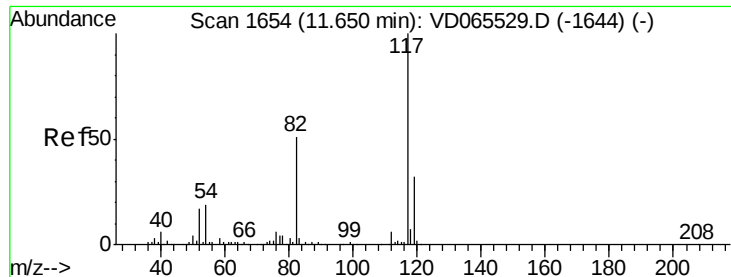
Tot Ion:107 Resp: 66278
Ion Ratio Lower Upper
107 100
109 96.8 74.9 112.3



#62
4-Bromofluorobenzene
Concen: 53.269 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 95 Resp: 287197
Ion Ratio Lower Upper
95 100
174 91.3 0.0 183.8
176 87.2 0.0 178.2

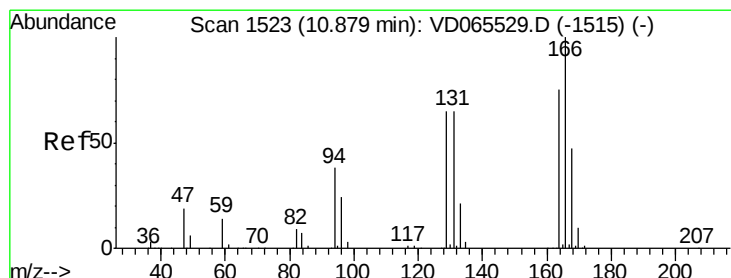
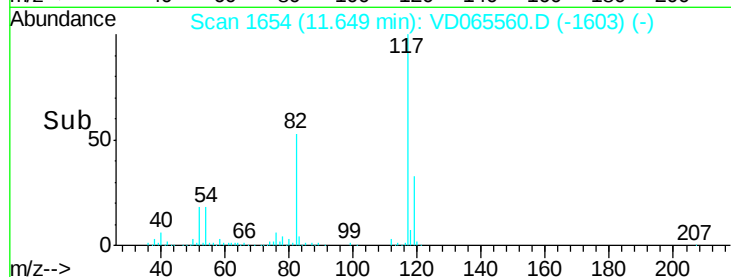
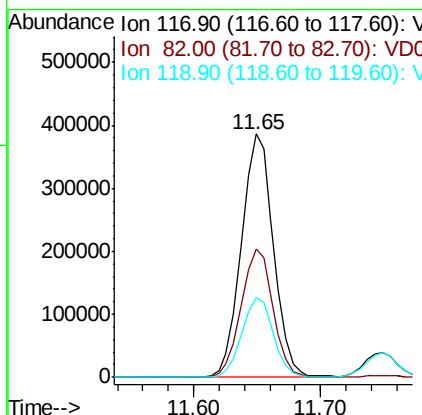
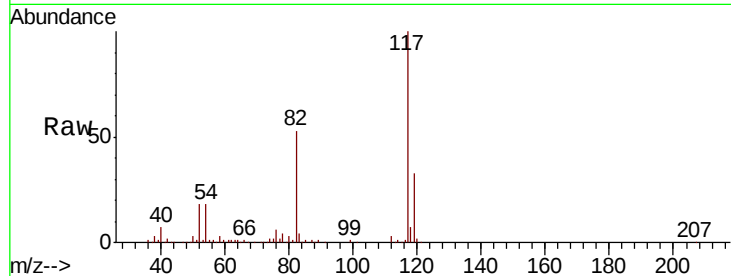




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

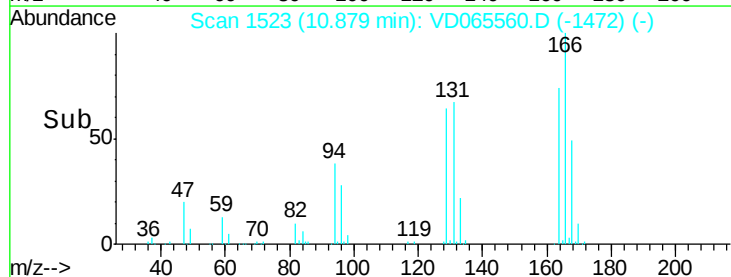
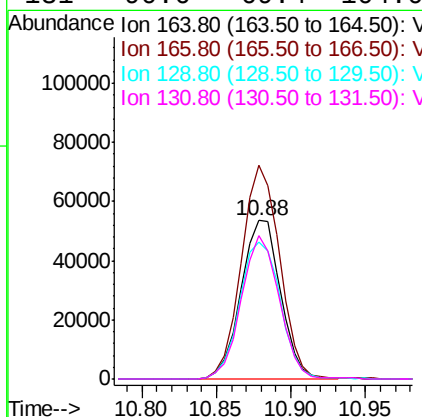
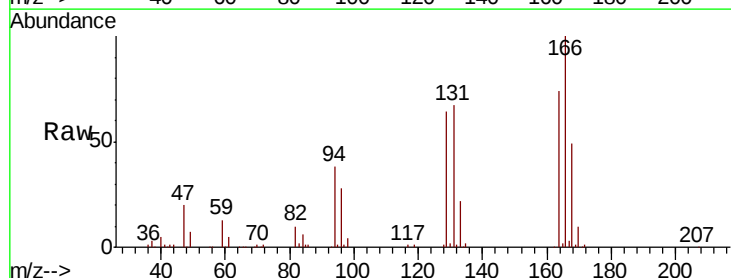
Instrument :
MSVOA_D
ClientSampled :

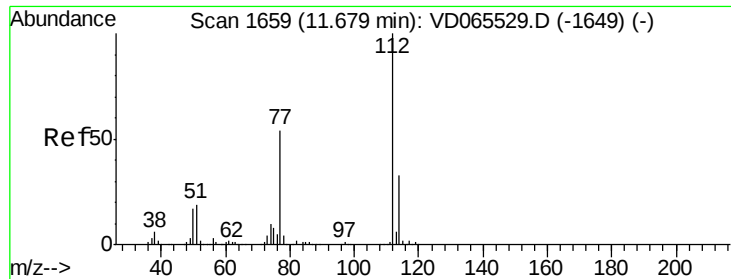
Tot Ion:117 Resp: 676513
Ion Ratio Lower Upper
117 100
82 52.9 41.0 61.6
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 20.352 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion:164 Resp: 98629
Ion Ratio Lower Upper
164 100
166 134.6 107.1 160.7
129 86.3 69.2 103.8
131 90.6 69.4 104.0

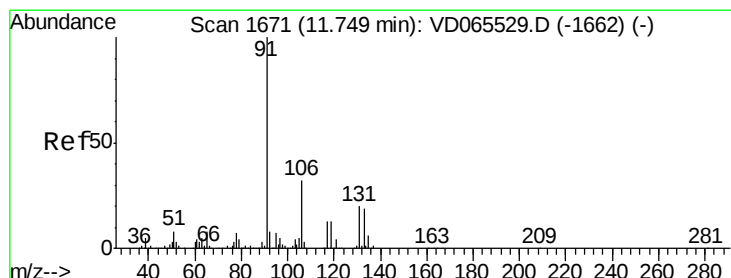
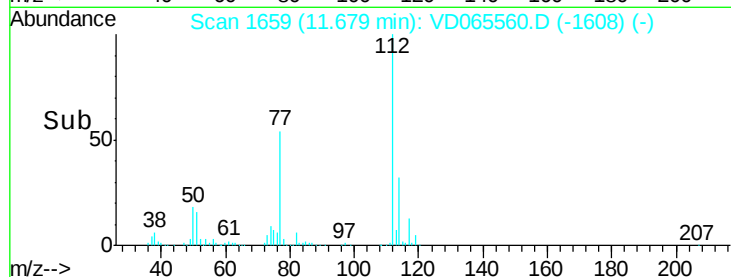
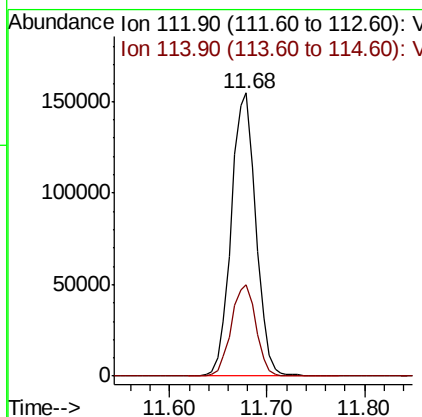
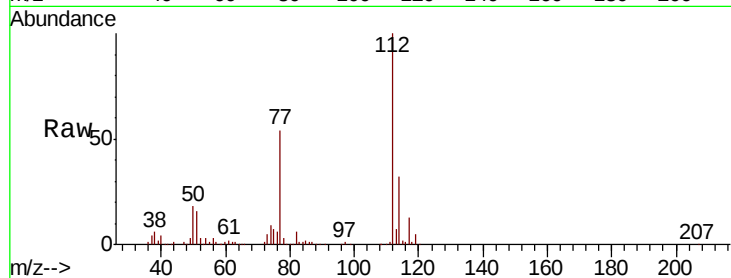




#65
Chlorobenzene
Concen: 20.472 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

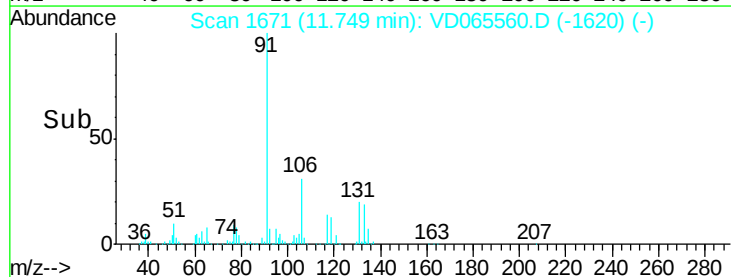
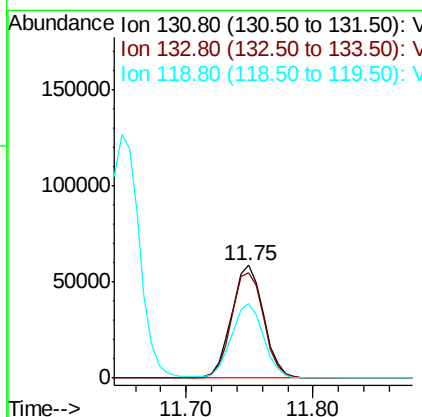
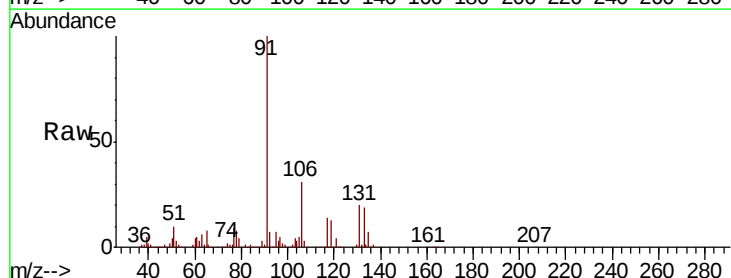
Instrument :
MSVOA_D
ClientSampleId :

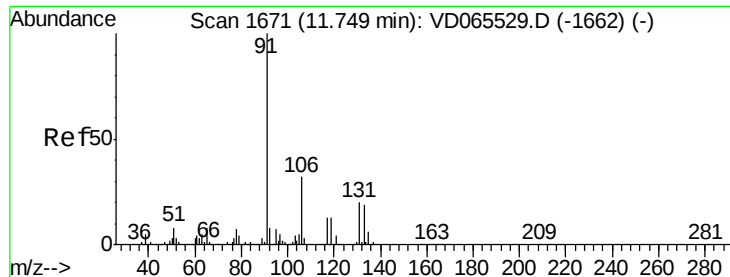
Tot Ion:112 Resp: 270764
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.758 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion:131 Resp: 102379
Ion Ratio Lower Upper
131 100
133 94.6 48.9 146.7
119 66.8 32.5 97.4





#67

Ethyl Benzene

Concen: 20.471 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

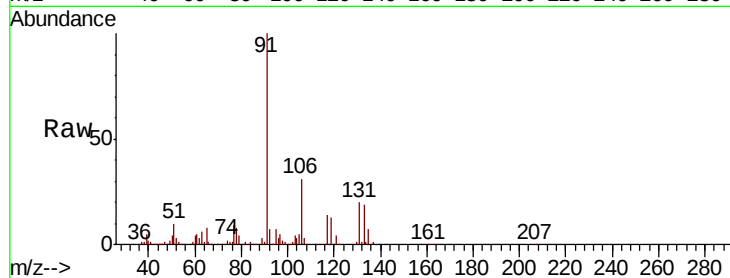
ClientSampleId :

Tot Ion: 91 Resp: 456023

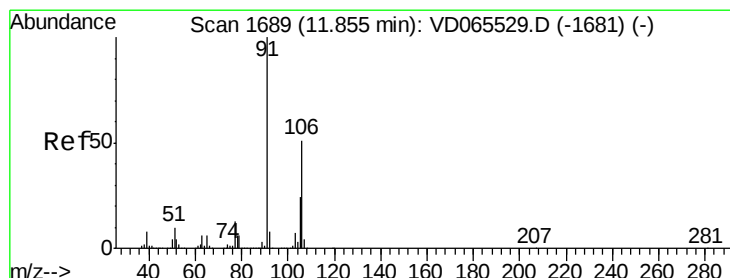
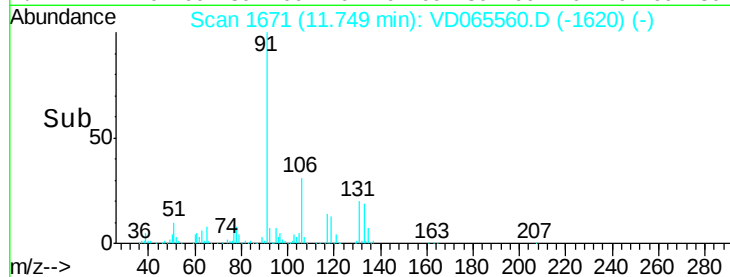
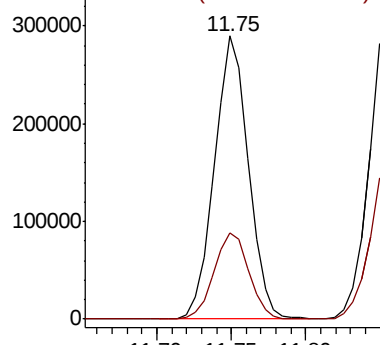
Ion Ratio Lower Upper

91 100

106 30.7 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.220 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065560.D

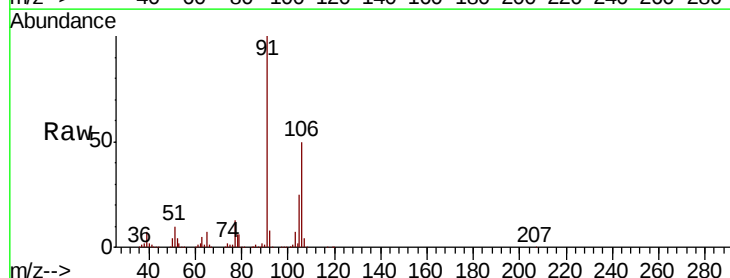
Acq: 31 Mar 2020 12:28

Tgt Ion: 106 Resp: 369283

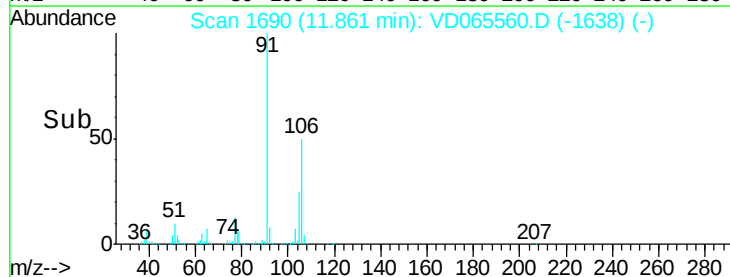
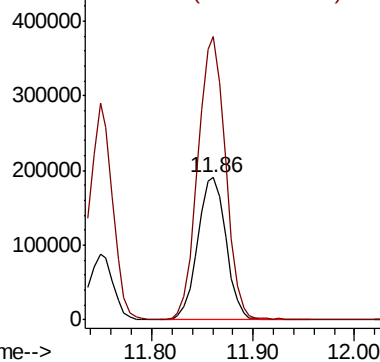
Ion Ratio Lower Upper

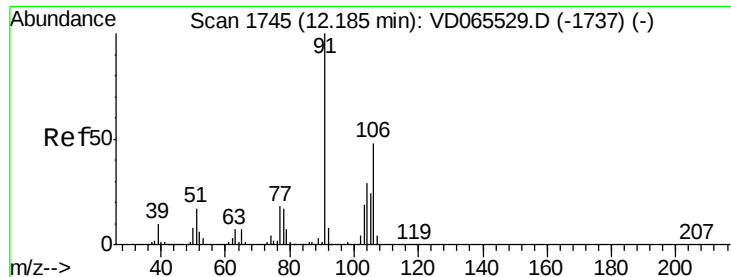
106 100

91 194.9 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): V

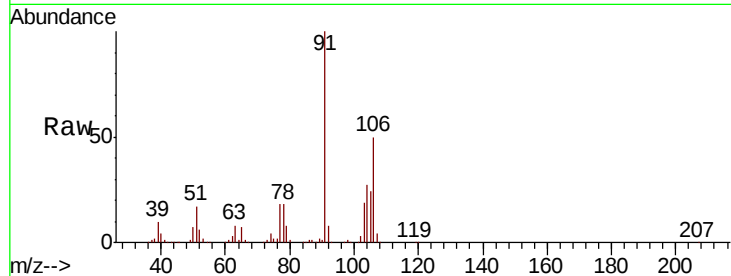




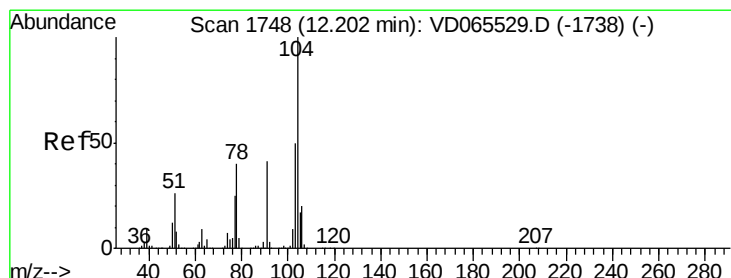
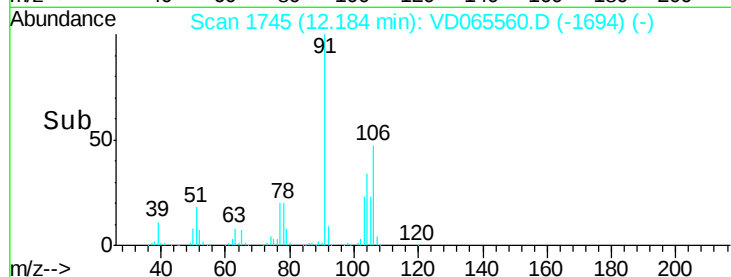
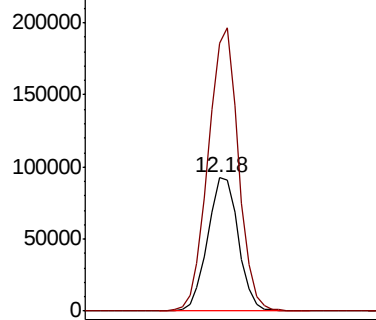
#69
o-Xylene
Concen: 20.308 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 155560
Ion Ratio Lower Upper
106 100
91 208.4 102.8 308.4

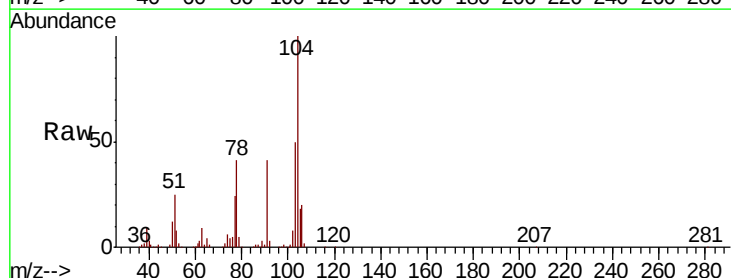


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

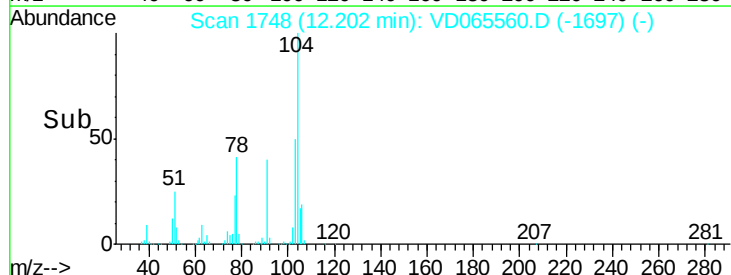
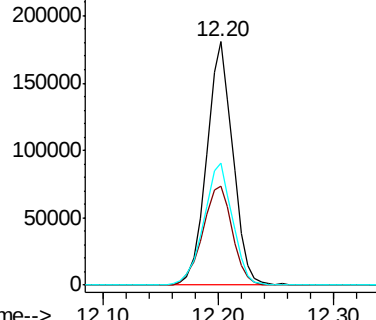


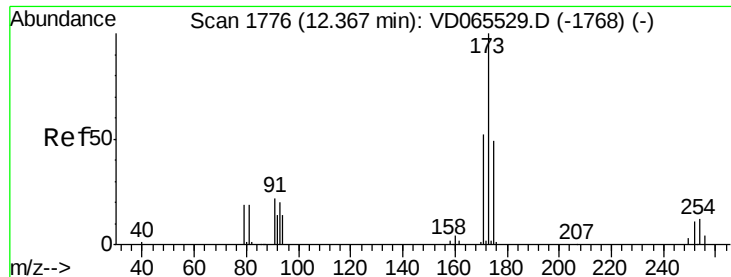
#70
Styrene
Concen: 20.955 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion:104 Resp: 283513
Ion Ratio Lower Upper
104 100
78 46.2 36.6 55.0
103 54.6 43.8 65.6



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





#71

Bromoform

Concen: 20.013 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

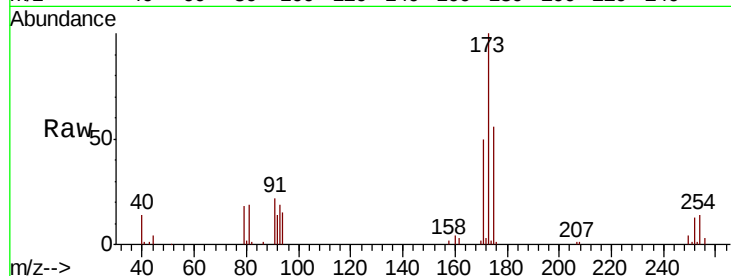
Tot Ion:173 Resp: 54445

Ion Ratio Lower Upper

173 100

175 52.0 24.3 72.8

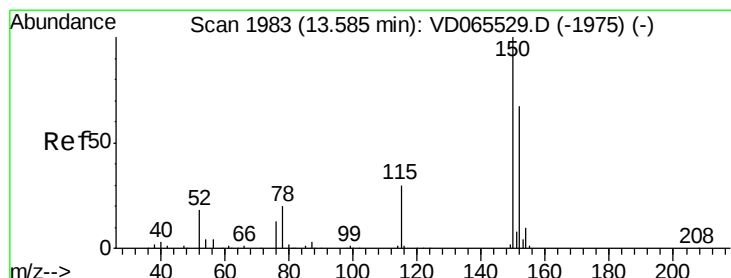
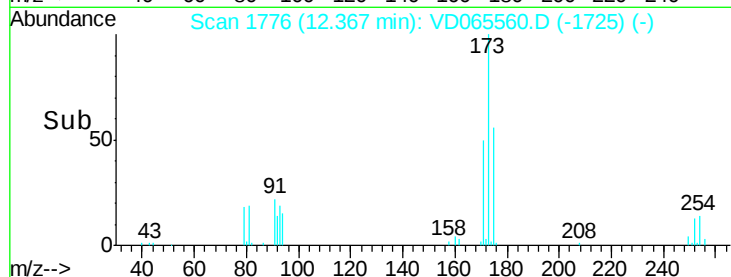
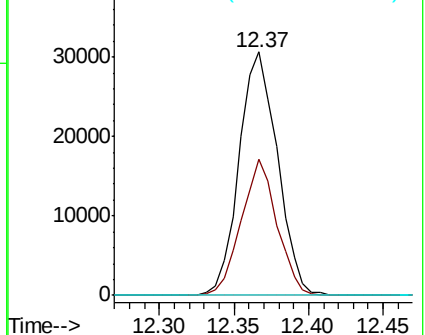
254 0.0 0.0 0.0



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: VD065560.D

Acq: 31 Mar 2020 12:28

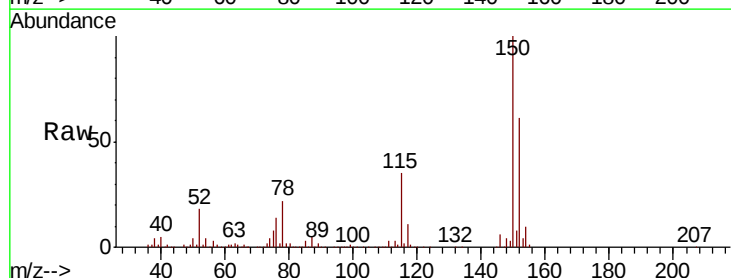
Tgt Ion:152 Resp: 340396

Ion Ratio Lower Upper

152 100

115 56.2 27.2 81.6

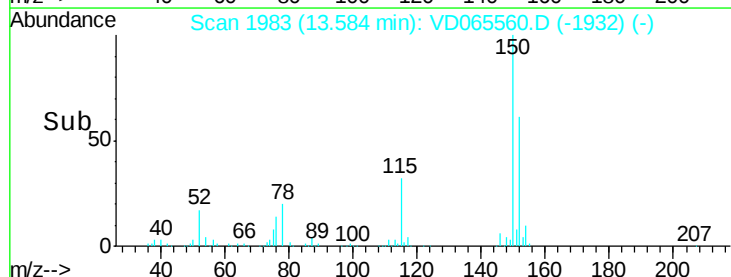
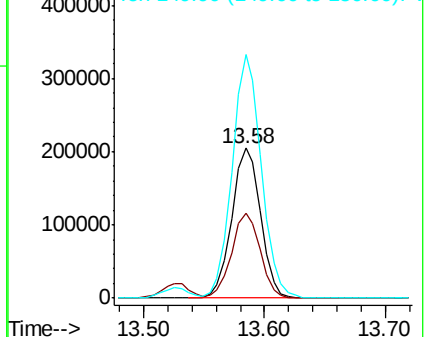
150 163.7 0.0 340.2

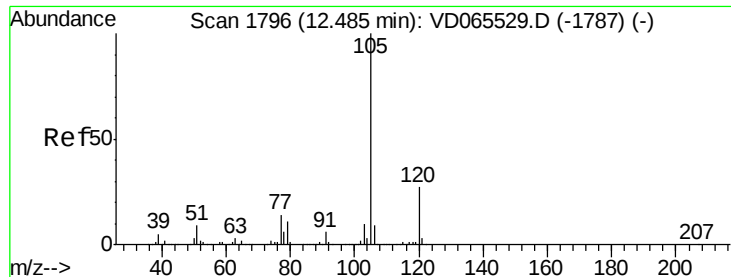


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

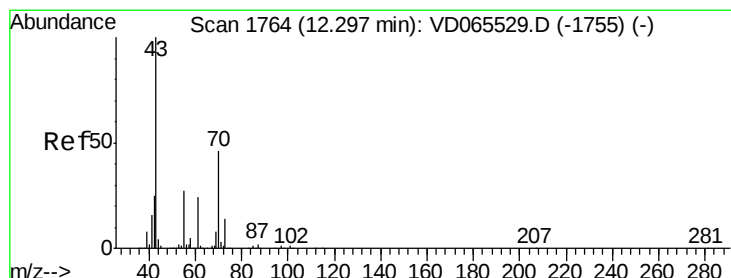
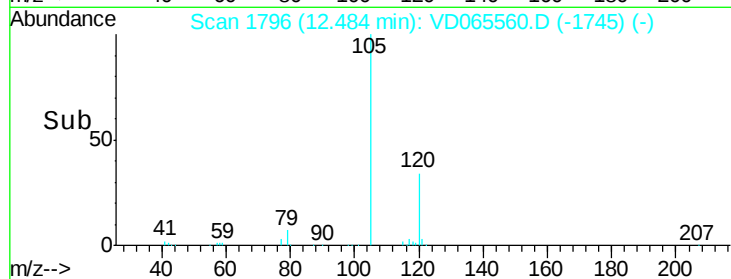
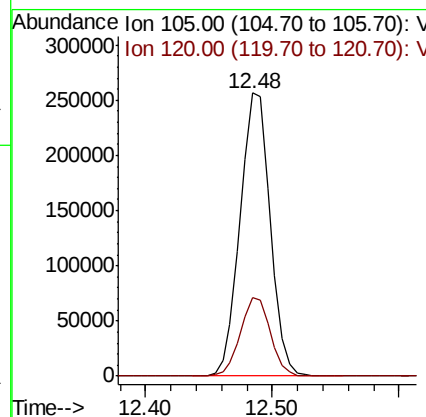
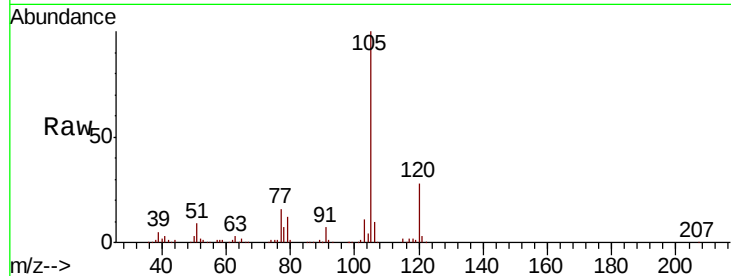




#73
Isopropylbenzene
Concen: 20.154 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

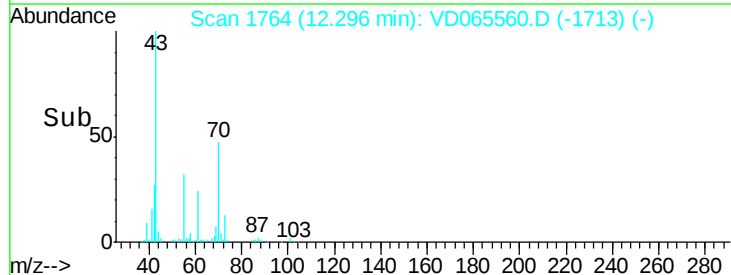
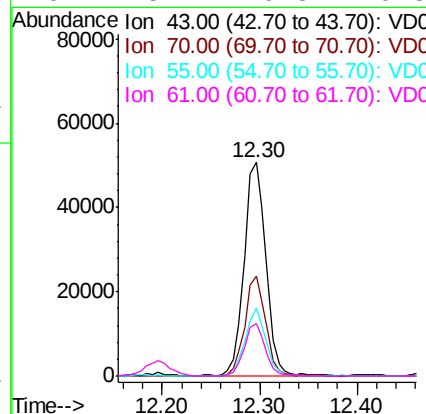
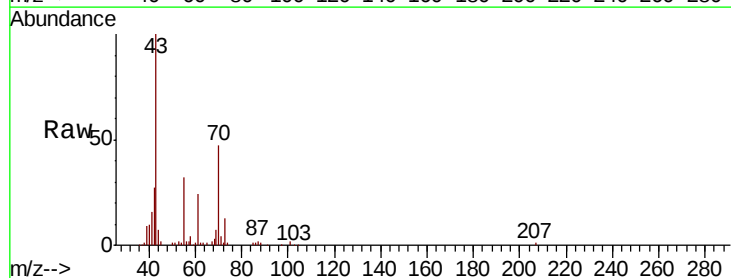
Instrument :
MSVOA_D
ClientSampled :

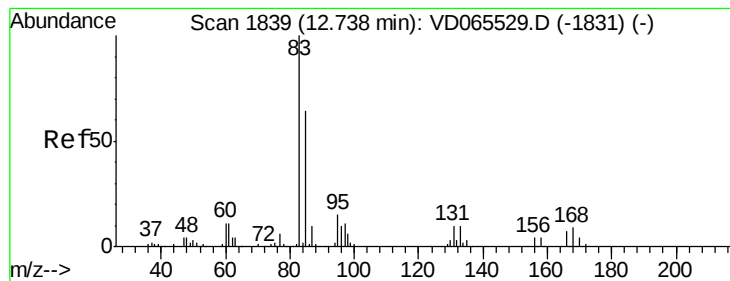
Tot Ion:105 Resp: 421237
Ion Ratio Lower Upper
105 100
120 27.6 13.7 41.0



#74
N-ethyl acetate
Concen: 19.071 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 43 Resp: 78667
Ion Ratio Lower Upper
43 100
70 44.3 36.2 54.2
55 30.0 22.2 33.4
61 23.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.324 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

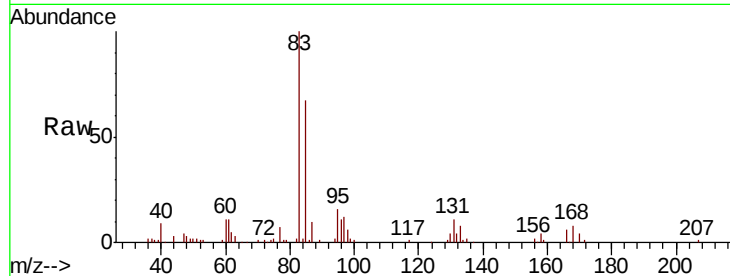
Tot Ion: 83 Resp: 73787

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

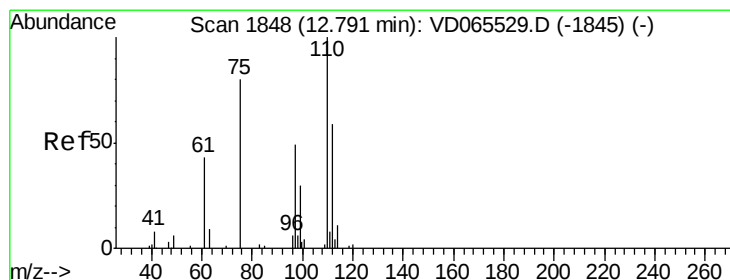
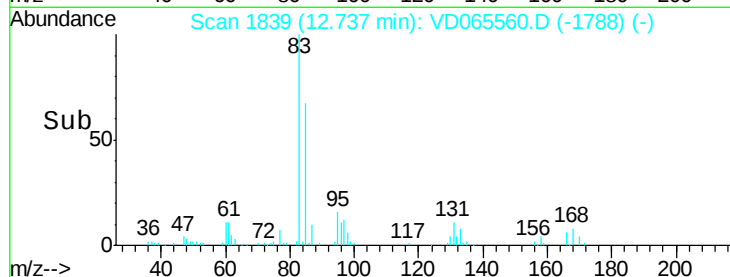
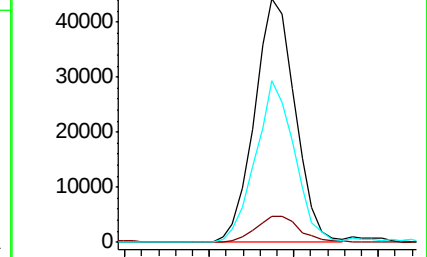
85 63.8 32.6 98.0



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: 36.362 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065560.D

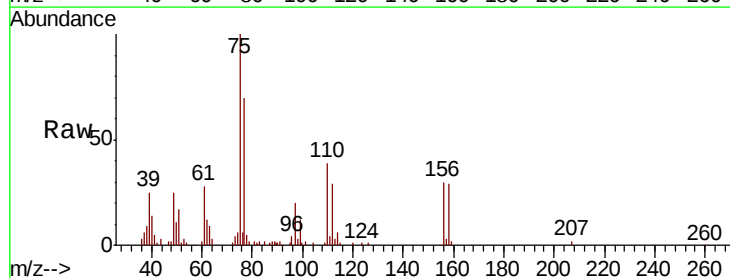
Acq: 31 Mar 2020 12:28

Tgt Ion: 75 Resp: 95160

Ion Ratio Lower Upper

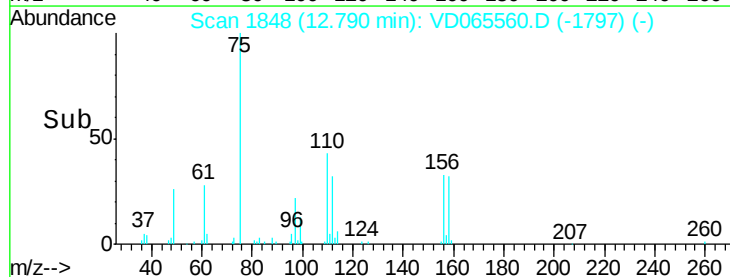
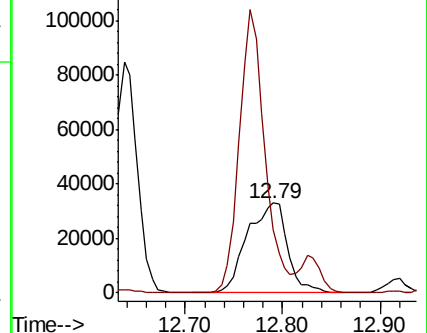
75 100

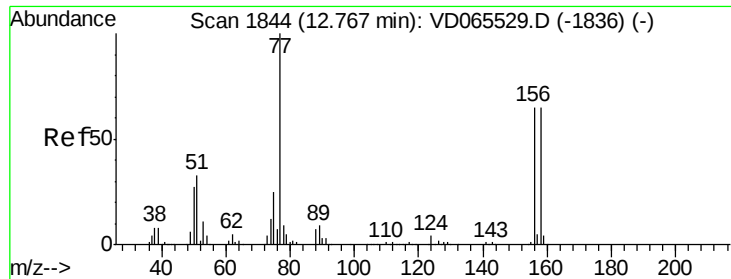
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.637 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

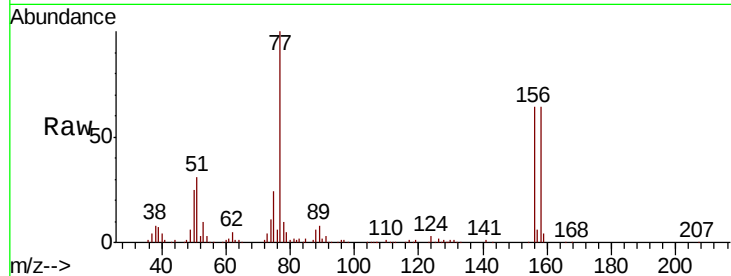
Tot Ion:156 Resp: 112717

Ion Ratio Lower Upper

156 100

77 167.4 81.8 245.3

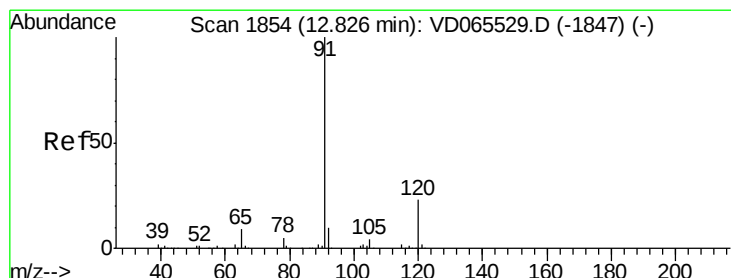
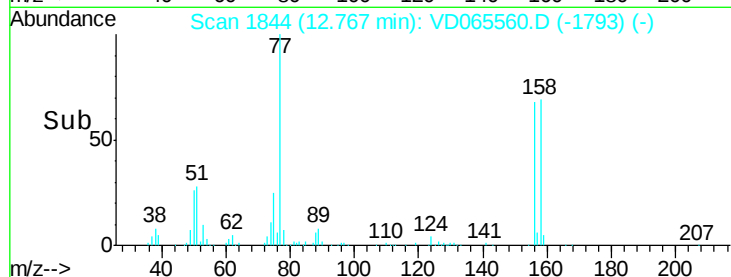
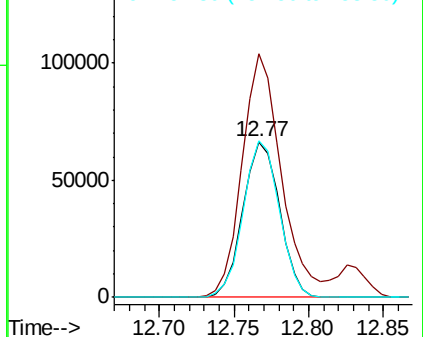
158 99.1 49.1 147.4



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: 20.951 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065560.D

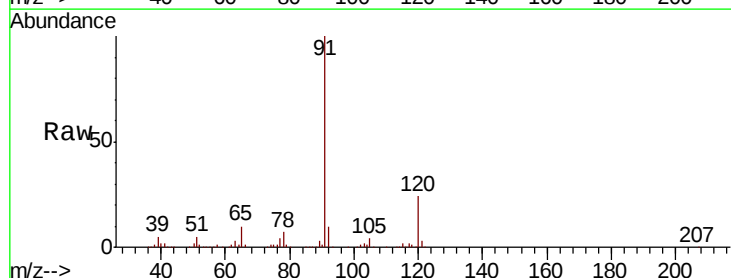
Acq: 31 Mar 2020 12:28

Tgt Ion: 91 Resp: 521985

Ion Ratio Lower Upper

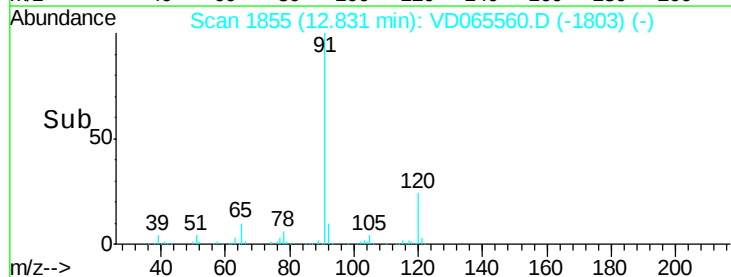
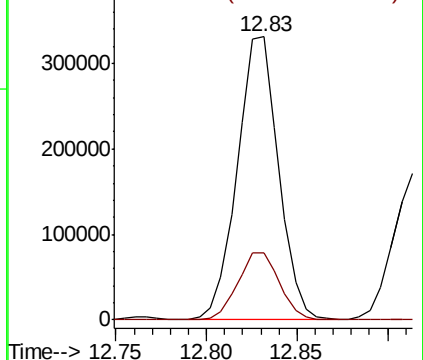
91 100

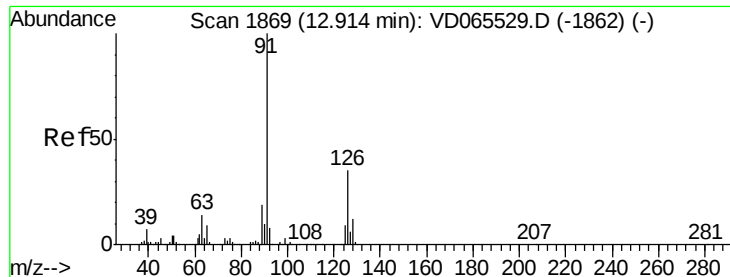
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.552 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

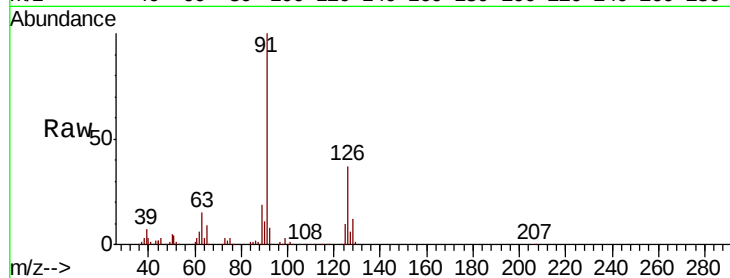
ClientSampleId :

Tot Ion: 91 Resp: 292120

Ion Ratio Lower Upper

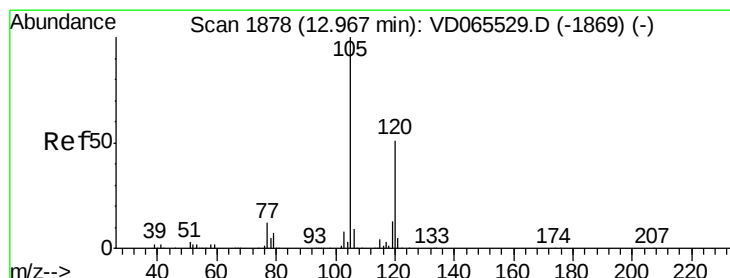
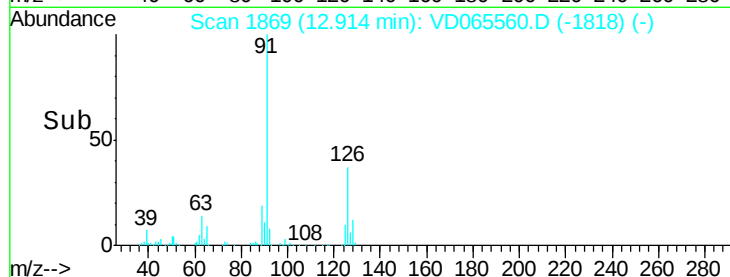
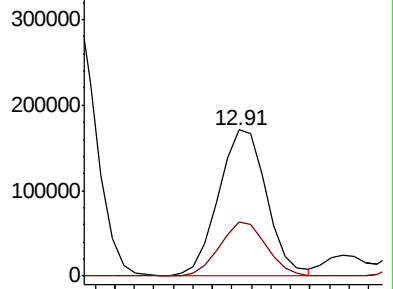
91 100

126 36.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065529.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.237 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065560.D

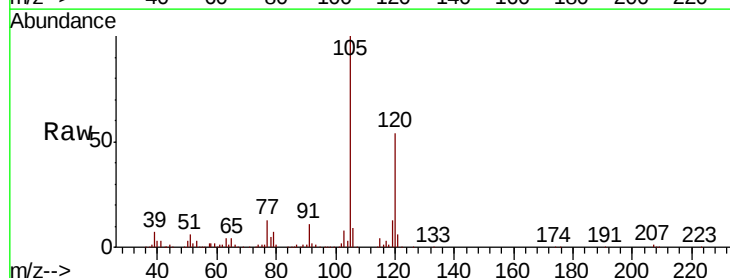
Acq: 31 Mar 2020 12:28

Tgt Ion:105 Resp: 367917

Ion Ratio Lower Upper

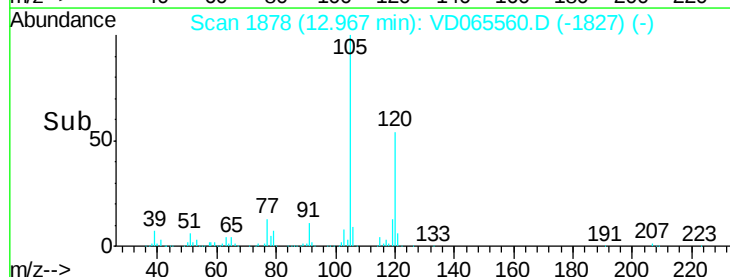
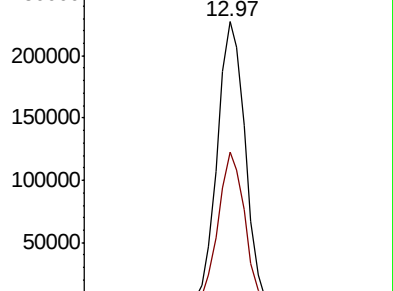
105 100

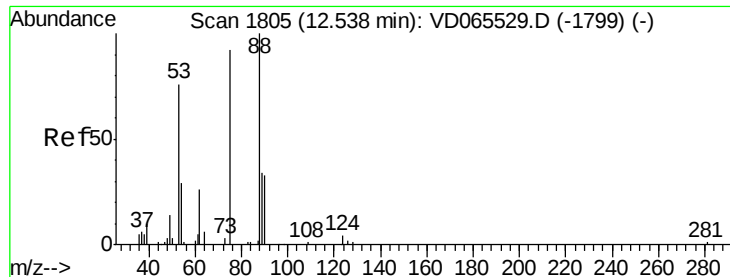
120 51.7 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065529.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065529.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.034 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

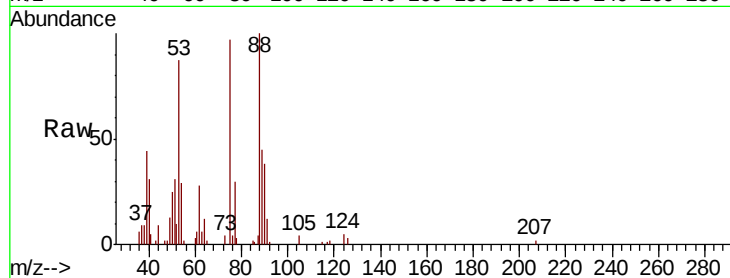
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 22315

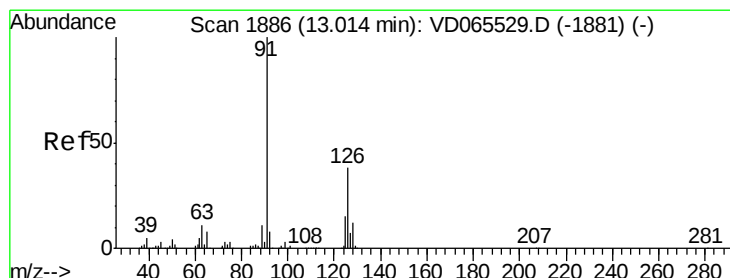
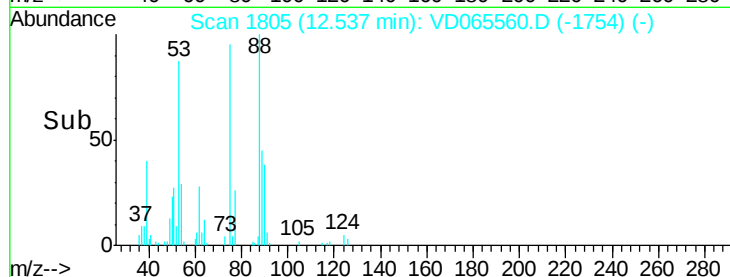
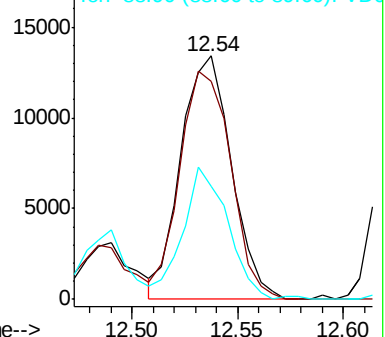
Ion	Ratio	Lower	Upper
75	100		
53	94.6	72.4	108.6
89	48.7	36.9	55.3



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: 20.967 ug/l

RT: 13.01 min Scan# 1886

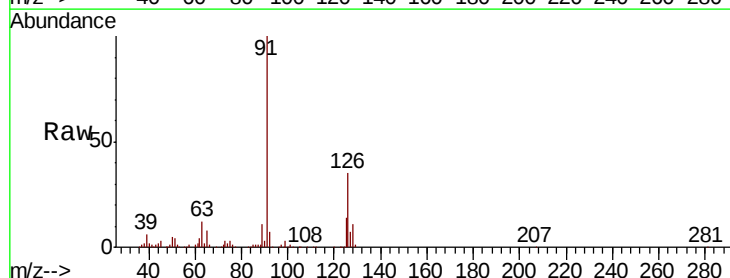
Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

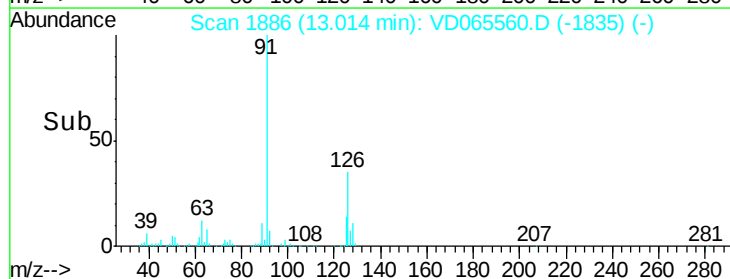
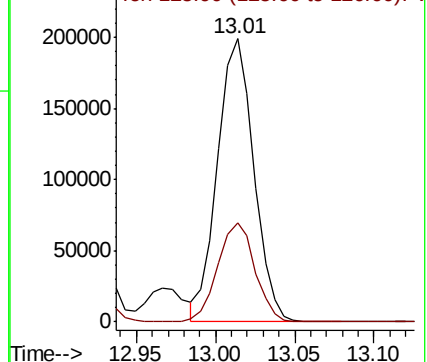
Tgt Ion: 91 Resp: 316702

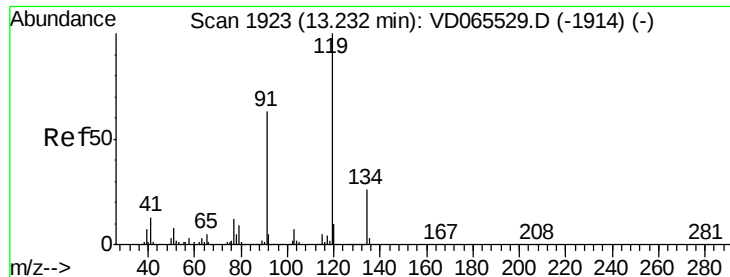
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.257 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

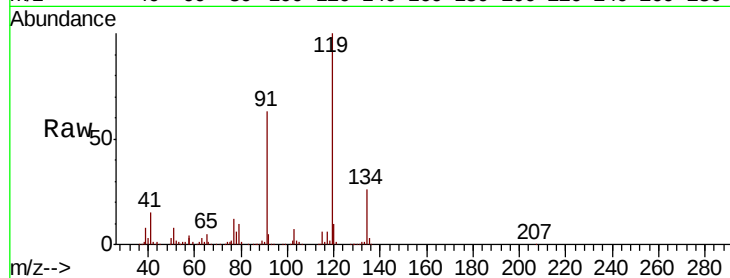
Tot Ion:119 Resp: 293922

Ion Ratio Lower Upper

119 100

91 62.5 31.4 94.0

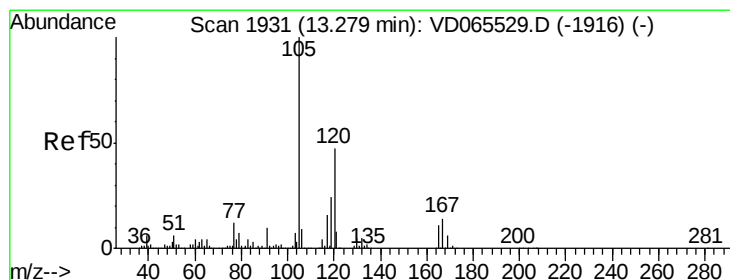
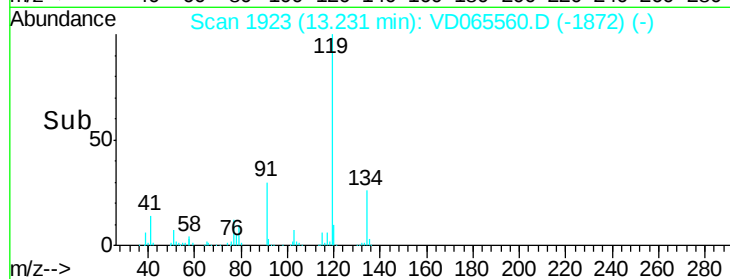
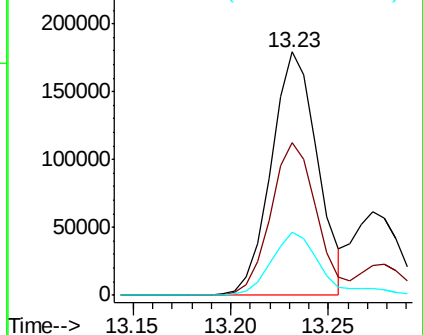
134 28.1 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.093 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065560.D

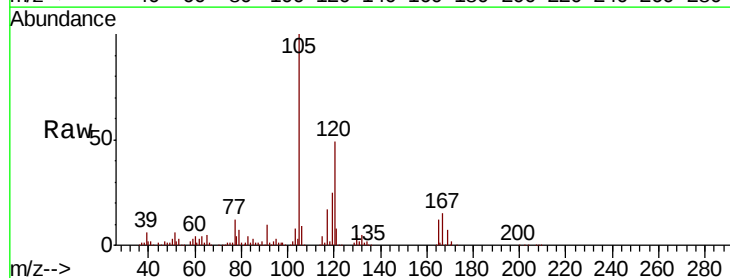
Acq: 31 Mar 2020 12:28

Tgt Ion:105 Resp: 365318

Ion Ratio Lower Upper

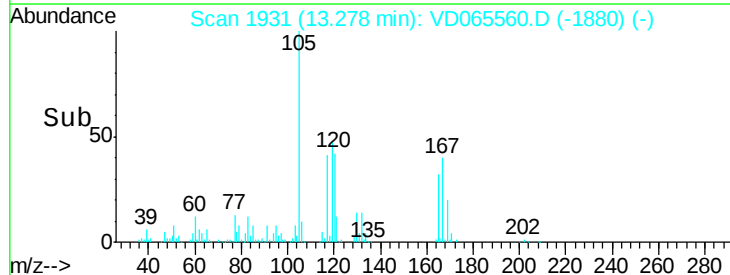
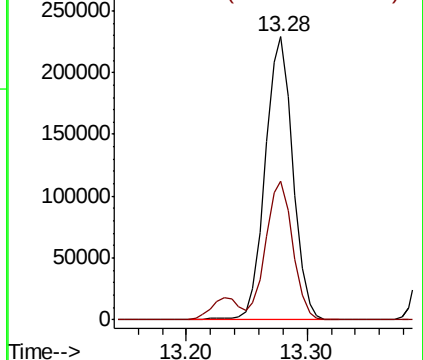
105 100

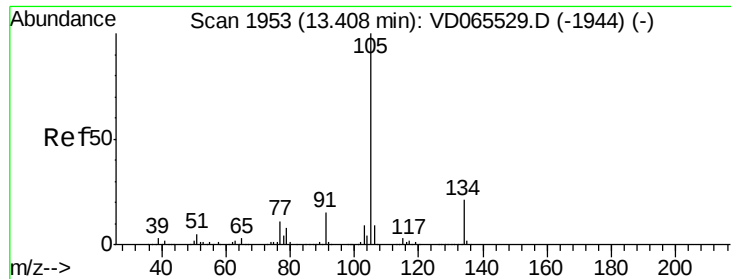
120 47.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.614 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

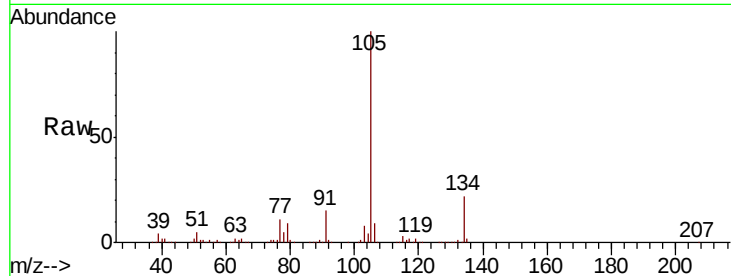
ClientSampleId :

Tot Ion:105 Resp: 428013

Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

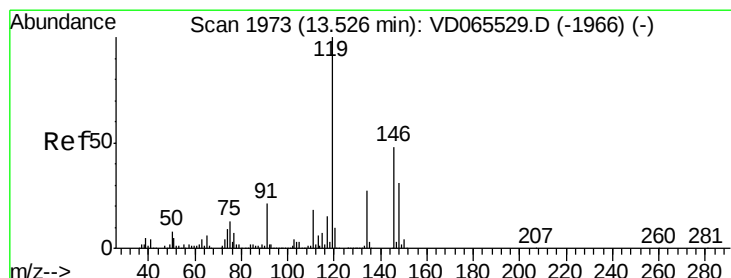
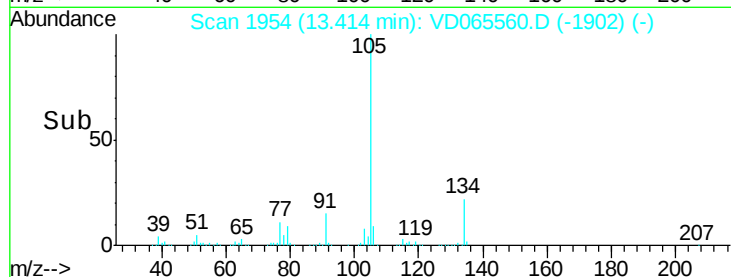
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 20.824 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

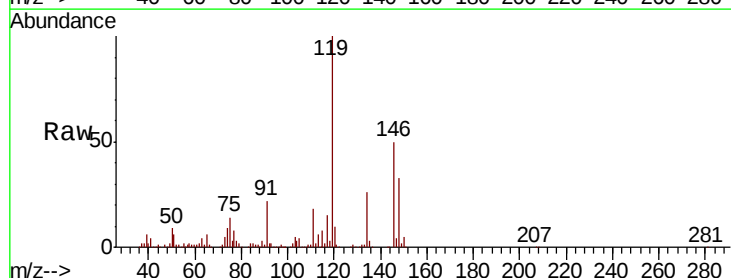
Tgt Ion:119 Resp: 398446

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.1 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

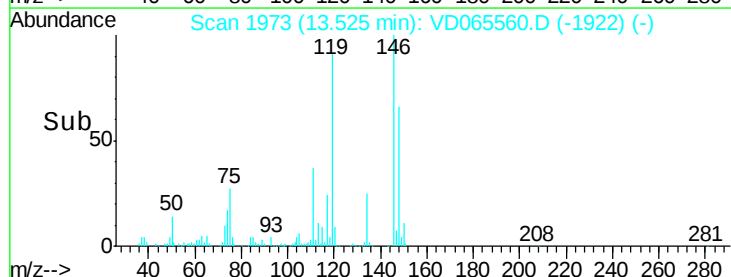
300000

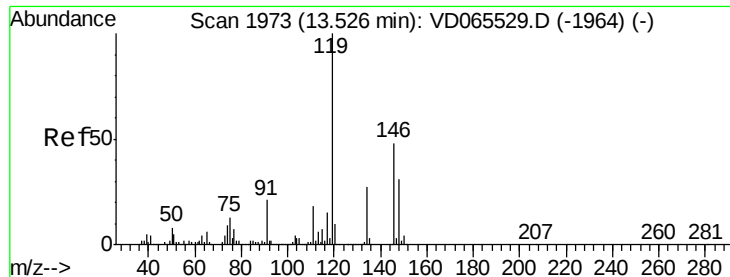
200000

100000

0

Time--> 13.45 13.50 13.55 13.60

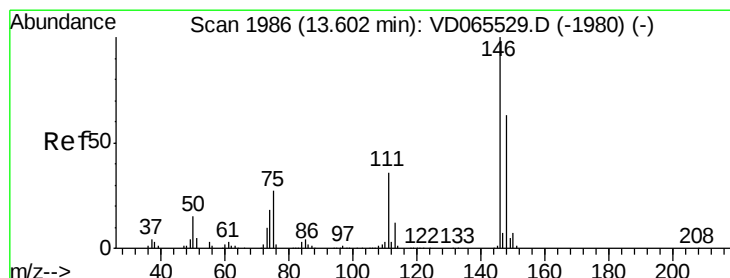
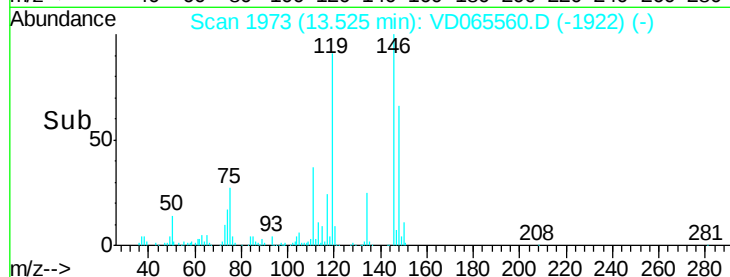
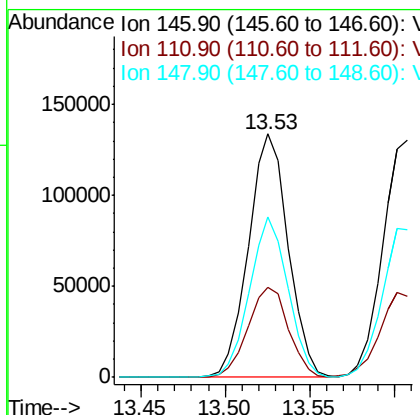
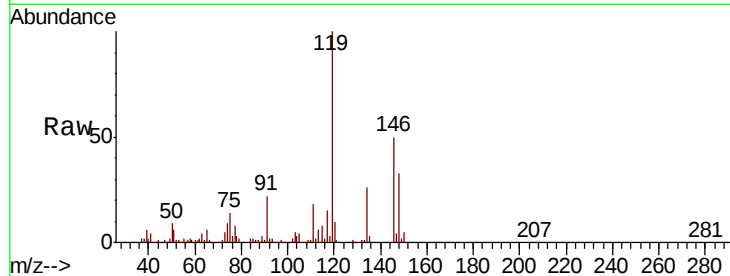




#87
 1,3-Dichlorobenzene
 Concen: 20.794 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

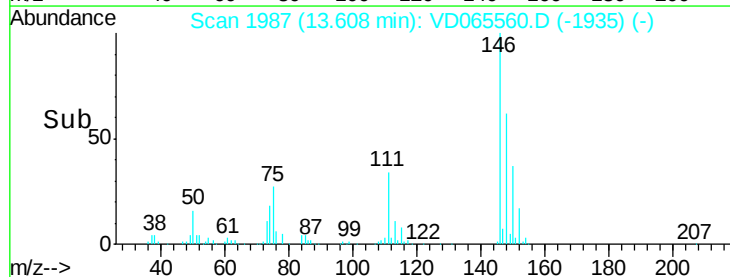
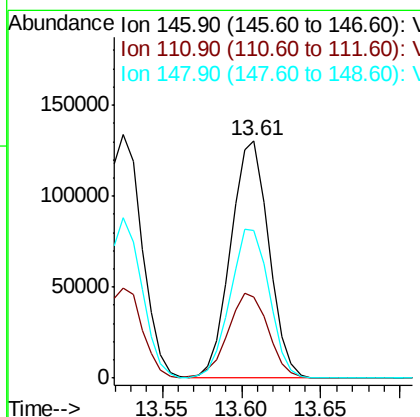
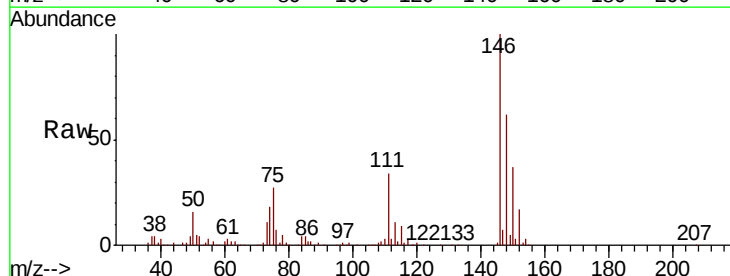
Instrument :
 MSVOA_D
 ClientSampleId :

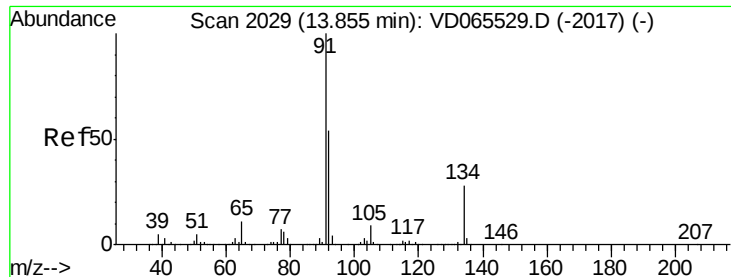
Tot Ion:146 Resp: 218645
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.5 55.5
 148 63.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.711 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Tgt Ion:146 Resp: 217599
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.0 54.0
 148 64.5 31.6 94.8

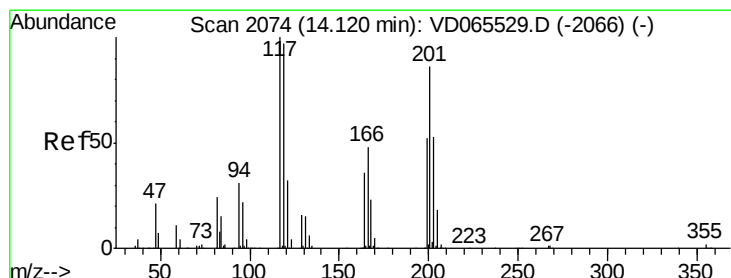
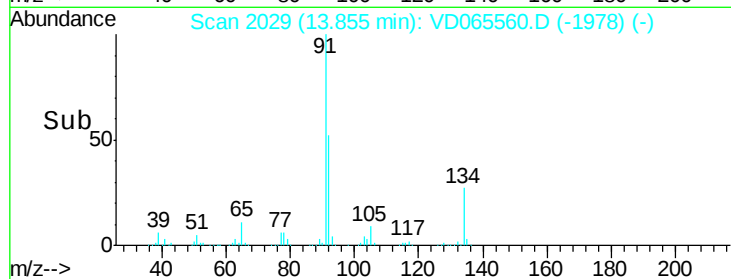
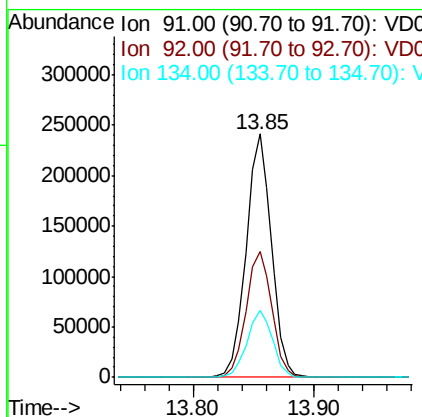
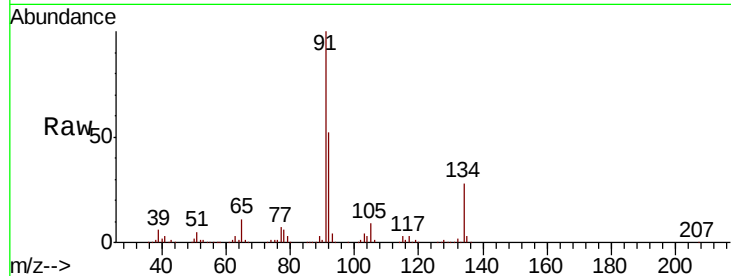




#89
n-Butylbenzene
Concen: 20.308 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

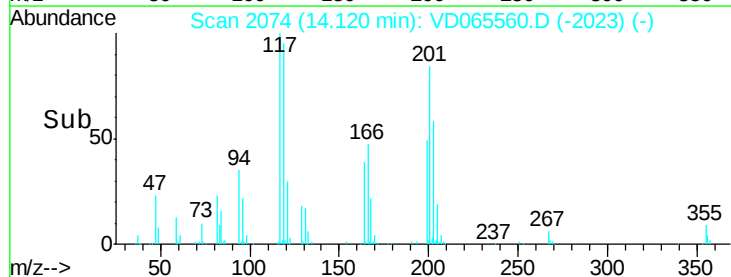
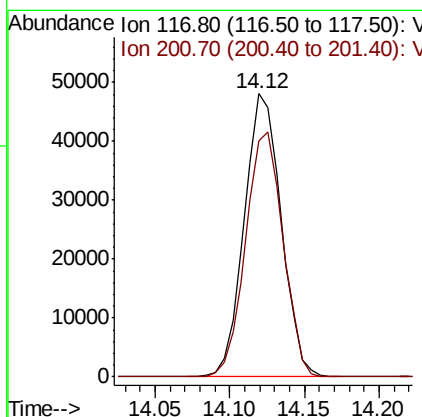
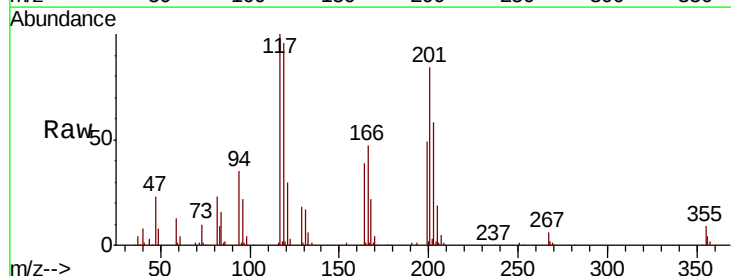
Instrument :
MSVOA_D
ClientSampleId :

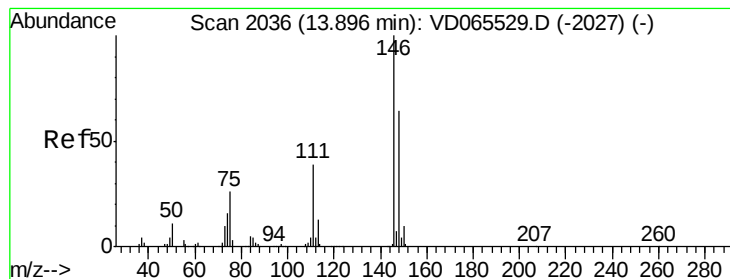
Tot Ion: 91 Resp: 352876
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.4
134 27.7 13.7 41.0



#90
Hexachloroethane
Concen: 20.506 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion: 117 Resp: 82279
Ion Ratio Lower Upper
117 100
201 87.5 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 20.677 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

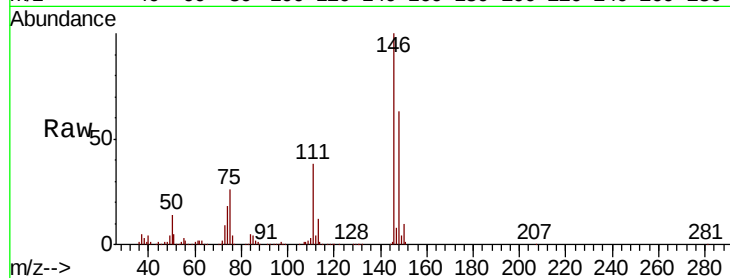
Tot Ion:146 Resp: 184553

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.4

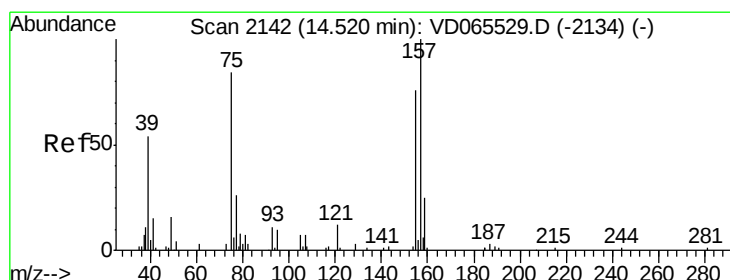
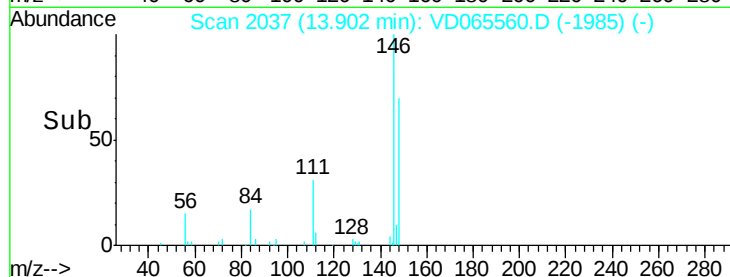
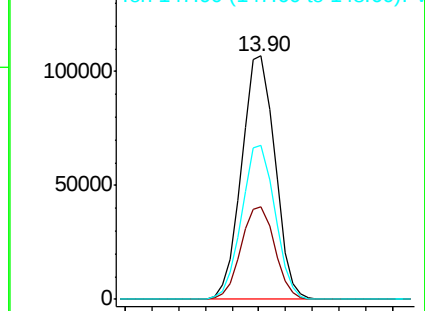
148 63.5 32.1 96.5



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: 18.768 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065560.D

Acq: 31 Mar 2020 12:28

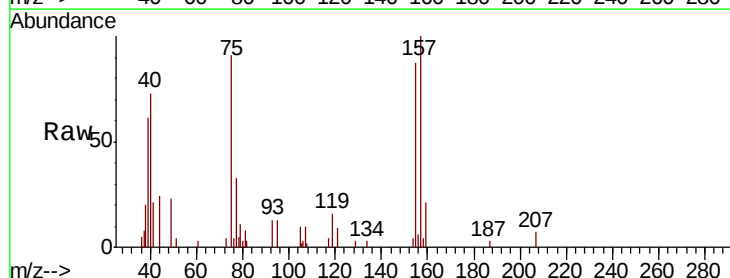
Tgt Ion: 75 Resp: 10265

Ion Ratio Lower Upper

75 100

155 91.5 46.2 138.6

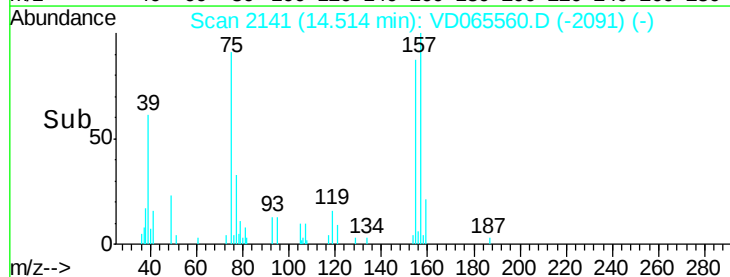
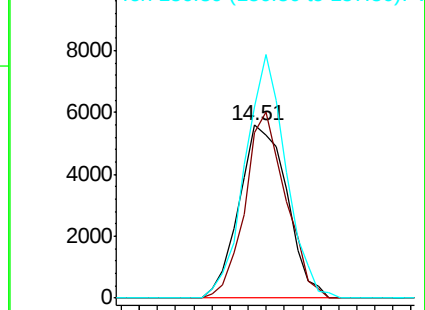
157 120.7 57.9 173.7

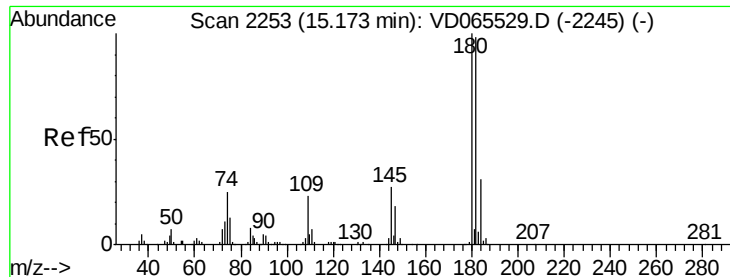


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

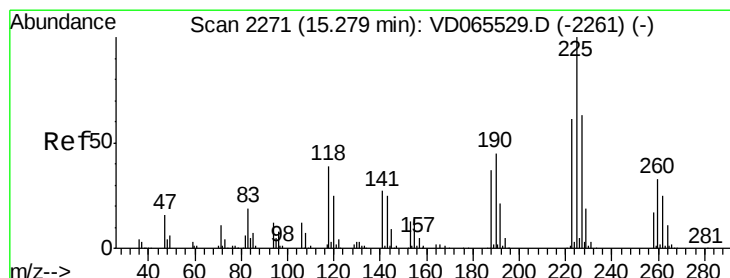
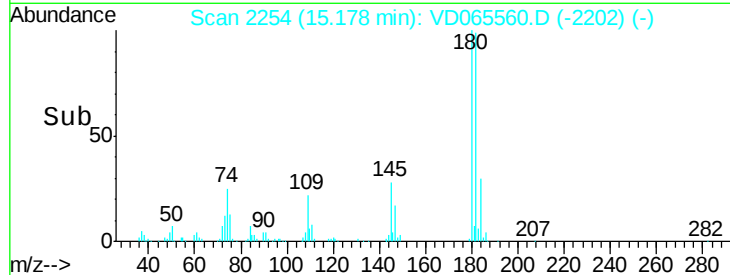
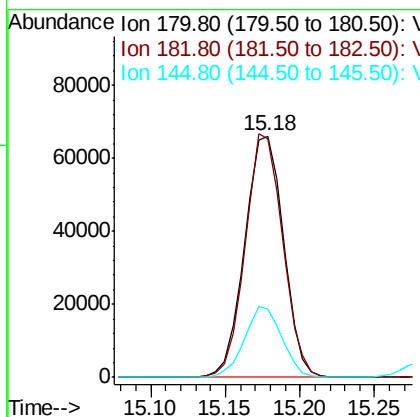
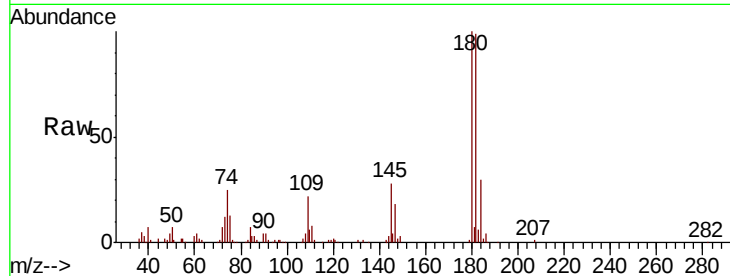




#93
 1,2,4-Trichlorobenzene
 Concen: 19.198 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

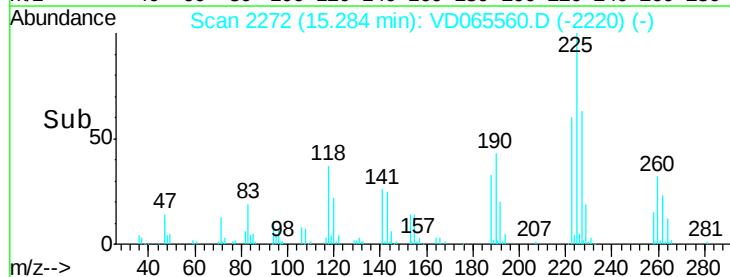
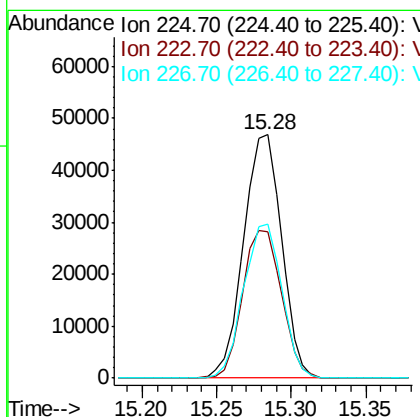
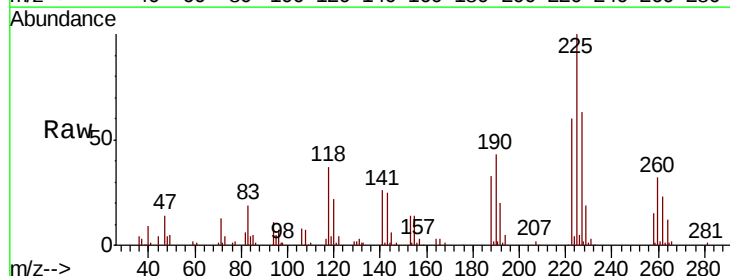
Instrument :
 MSVOA_D
 ClientSampled :

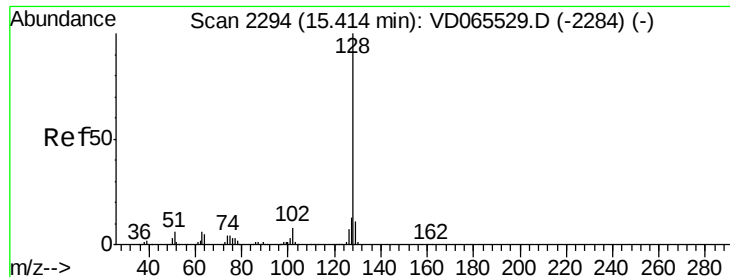
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.1	144.3
145	28.5	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 20.572 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065560.D
 Acq: 31 Mar 2020 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.2	93.6
227	63.7	32.3	96.9

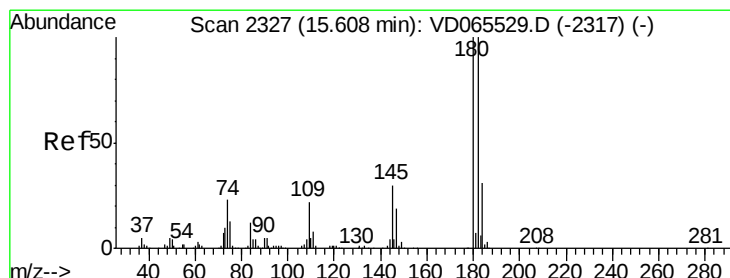
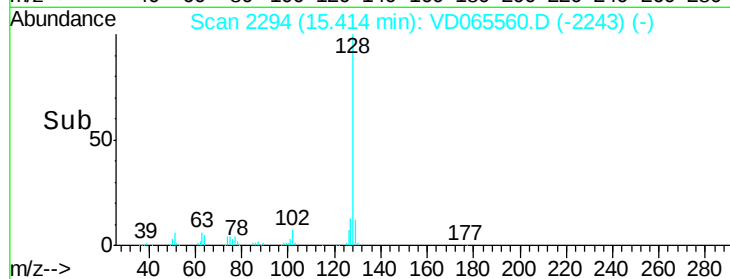
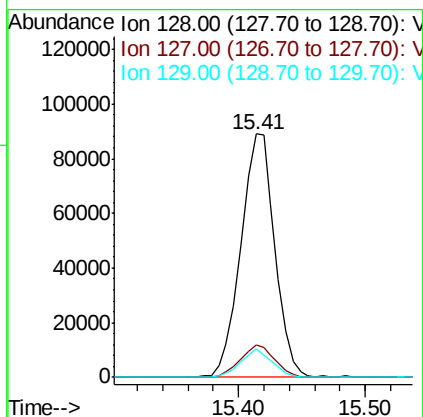
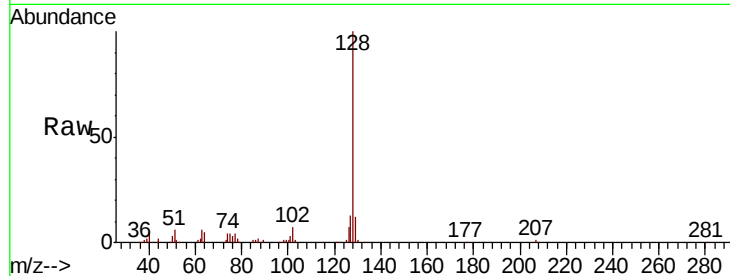




#95
Naphthalene
Concen: 18.705 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 165531
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.250 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065560.D
Acq: 31 Mar 2020 12:28

Tgt Ion:180 Resp: 102052
Ion Ratio Lower Upper
180 100
182 94.7 48.1 144.3
145 30.0 15.0 45.0

