

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065561.D
 Acq On : 31 Mar 2020 12:55
 Operator : VA/SY
 Sample : VD0331SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:53:05 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	517865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	688640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	344976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208630	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.92	113	225847	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.34	98	879937	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.64	95	278344	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	78358	24.830	ug/l 98
3) Chloromethane	2.21	50	99473	22.633	ug/l 99
4) Vinyl Chloride	2.36	62	102537	21.426	ug/l 99
5) Bromomethane	2.77	94	70472	21.590	ug/l 99
6) Chloroethane	2.93	64	66354	21.456	ug/l 95
7) Trichlorofluoromethane	3.27	101	155520	21.782	ug/l 97
8) Diethyl Ether	3.71	74	43802	19.335	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98170	20.848	ug/l 99
10) Methyl Iodide	4.30	142	104073	19.101	ug/l 99
11) Tert butyl alcohol	5.19	59	12971	53.507	ug/l # 73
12) 1,1-Dichloroethene	4.07	96	89235	19.945	ug/l 94
13) Acrolein	3.93	56	36396	88.924	ug/l 100
14) Allyl chloride	4.71	41	135572	19.915	ug/l 99
15) Acrylonitrile	5.43	53	90111	96.596	ug/l 97
16) Acetone	4.17	43	77761	95.600	ug/l 98
17) Carbon Disulfide	4.40	76	301471	20.440	ug/l 100
18) Methyl Acetate	4.73	43	40753	19.268	ug/l 98
19) Methyl tert-butyl Ether	5.48	73	169088	18.950	ug/l 96
20) Methylene Chloride	4.97	84	109873	18.377	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	106096	20.612	ug/l 96
22) Diisopropyl ether	6.37	45	272787	20.665	ug/l 94
23) Vinyl Acetate	6.31	43	693780	96.489	ug/l 99
24) 1,1-Dichloroethane	6.27	63	173779	20.760	ug/l 99
25) 2-Butanone	7.23	43	106092	96.040	ug/l 99
26) 2,2-Dichloropropane	7.21	77	157292	21.220	ug/l 100
27) cis-1,2-Dichloroethene	7.22	96	107813	20.213	ug/l 98
28) Bromochloromethane	7.56	49	68180	19.589	ug/l 99
29) Tetrahydrofuran	7.57	42	64692	90.359	ug/l 97
30) Chloroform	7.71	83	178443	20.579	ug/l 100
31) Cyclohexane	7.99	56	161084	19.879	ug/l 99
32) 1,1,1-Trichloroethane	7.91	97	164179	20.958	ug/l 99
36) 1,1-Dichloropropene	8.11	75	142706	21.058	ug/l 99
37) Ethyl Acetate	7.30	43	49466	19.069	ug/l 99
38) Carbon Tetrachloride	8.10	117	146920	20.584	ug/l 98

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 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)
39) Methylcyclohexane	9.36	83	160218	20.053	ug/l	96
40) Benzene	8.36	78	407197	21.057	ug/l	99
41) Methacrylonitrile	7.53	41	31136	20.794	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	107147	20.823	ug/l	100
43) Isopropyl Acetate	8.46	43	88619	18.813	ug/l	95
44) Trichloroethene	9.11	130	116069	20.686	ug/l	98
45) 1,2-Dichloropropane	9.39	63	99003	21.076	ug/l	93
46) Dibromomethane	9.48	93	50661	20.553	ug/l	99
47) Bromodichloromethane	9.67	83	136588	20.917	ug/l	99
48) Methyl methacrylate	9.46	41	40715	18.178	ug/l	92
49) 1,4-Dioxane	9.47	88	10527	392.755	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	237971	100.106	ug/l	100
52) Toluene	10.41	92	260867	21.301	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	118765	19.886	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	149796	20.500	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71459	20.322	ug/l	98
56) Ethyl methacrylate	10.67	69	71326	18.809	ug/l	97
57) 1,3-Dichloropropane	10.95	76	119317	20.165	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	190736	95.590	ug/l	100
59) 2-Hexanone	10.99	43	149519	92.248	ug/l	98
60) Dibromochloromethane	11.15	129	93940	20.160	ug/l	99
61) 1,2-Dibromoethane	11.26	107	67324	19.783	ug/l	99
64) Tetrachloroethene	10.88	164	101332	20.542	ug/l	98
65) Chlorobenzene	11.68	112	276297	20.523	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	104371	20.789	ug/l	98
67) Ethyl Benzene	11.75	91	466157	20.558	ug/l	100
68) m/p-Xylenes	11.86	106	371955	41.776	ug/l	98
69) o-Xylene	12.19	106	159122	20.407	ug/l	100
70) Styrene	12.20	104	287599	20.882	ug/l	99
71) Bromoform	12.37	173	55190	19.930	ug/l #	99
73) Isopropylbenzene	12.48	105	433051	20.444	ug/l	99
74) N-amyl acetate	12.30	43	76769	18.364	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	74317	20.198	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	93813	35.372	ug/l #	100
77) Bromobenzene	12.77	156	115422	20.852	ug/l	99
78) n-propylbenzene	12.83	91	532374	21.085	ug/l	100
79) 2-Chlorotoluene	12.91	91	299962	20.824	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	368053	20.963	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	21946	18.471	ug/l	92
82) 4-Chlorotoluene	13.01	91	319019	20.840	ug/l	100
83) tert-Butylbenzene	13.23	119	311313	21.171	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	368139	20.973	ug/l	99
85) sec-Butylbenzene	13.41	105	435179	20.681	ug/l	99
86) p-Isopropyltoluene	13.53	119	401249	20.692	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	224723	21.089	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	215031	20.195	ug/l	97
89) n-Butylbenzene	13.86	91	356228	20.229	ug/l	100
90) Hexachloroethane	14.12	117	83439	20.519	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	186123	20.576	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10755	19.403	ug/l	100

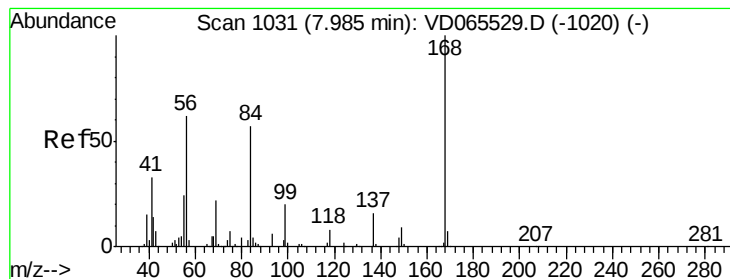
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119777	19.147	ug/l	98
94) Hexachlorobutadiene	15.28	225	82324	20.194	ug/l	98
95) Naphthalene	15.41	128	167358	18.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	101975	18.980	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

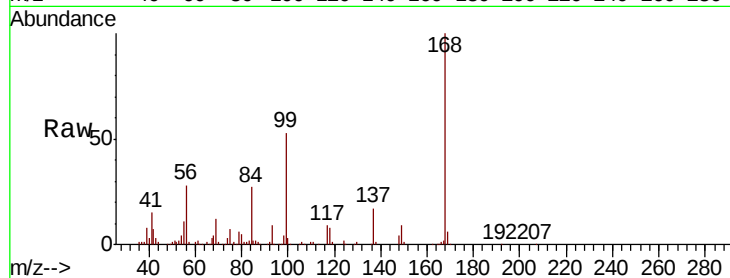
ClientSampleId :

Tot Ion:168 Resp: 517865

Ion Ratio Lower Upper

168 100

99 52.7 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

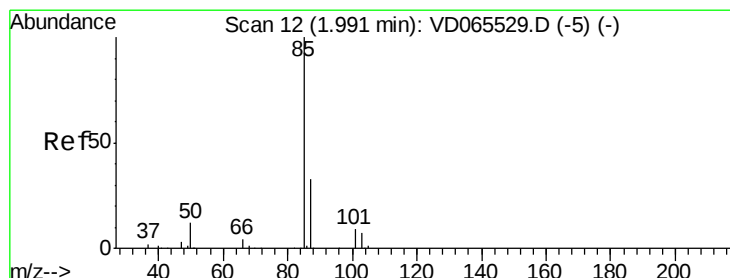
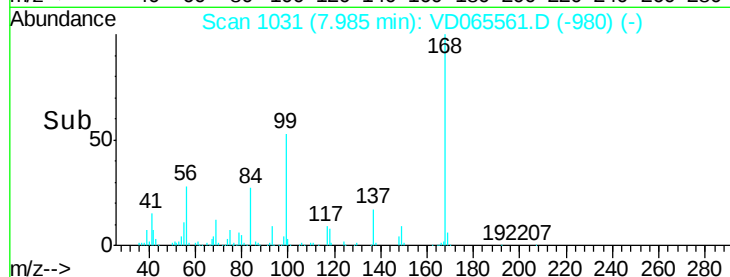
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.830 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065561.D

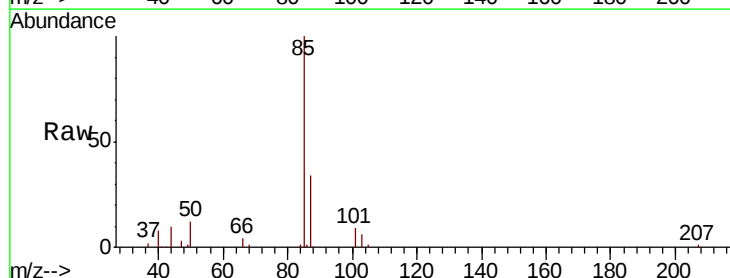
Acq: 31 Mar 2020 12:55

Tgt Ion: 85 Resp: 78358

Ion Ratio Lower Upper

85 100

87 33.9 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

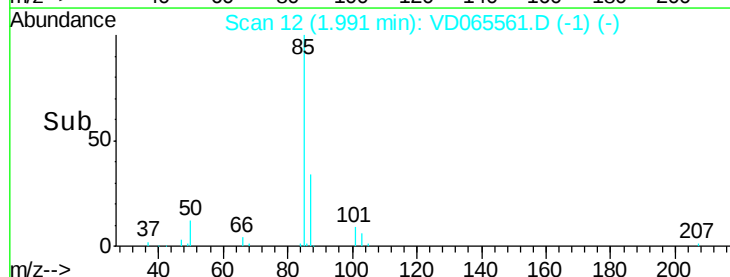
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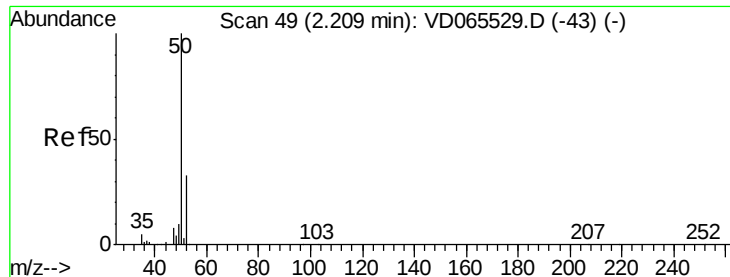
40000

20000

0

Time-->





#3

Chloromethane

Concen: 22.633 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

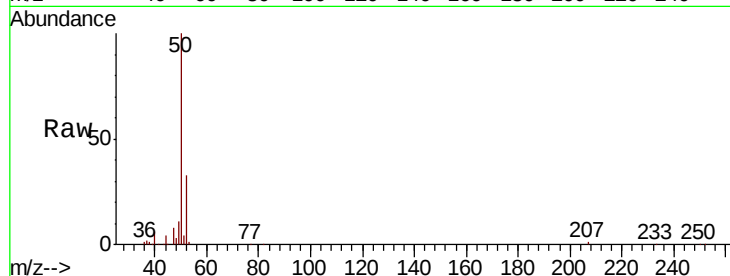
ClientSampleId :

Tot Ion: 50 Resp: 99473

Ion Ratio Lower Upper

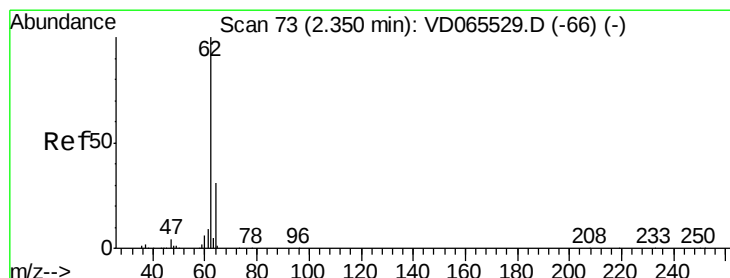
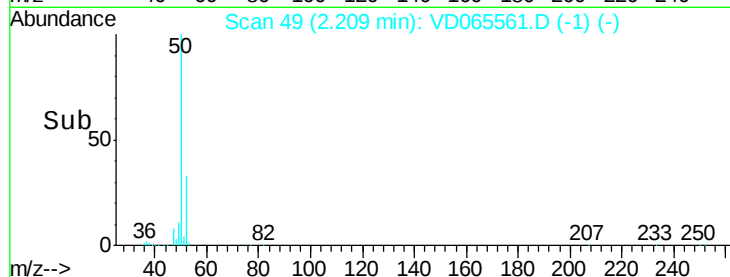
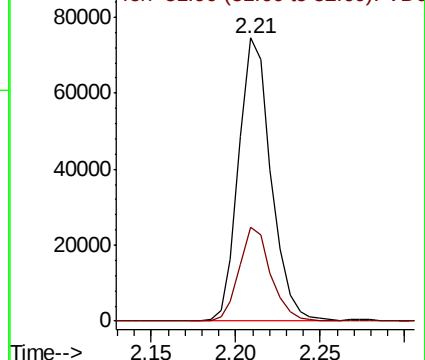
50 100

52 33.4 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: 21.426 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065561.D

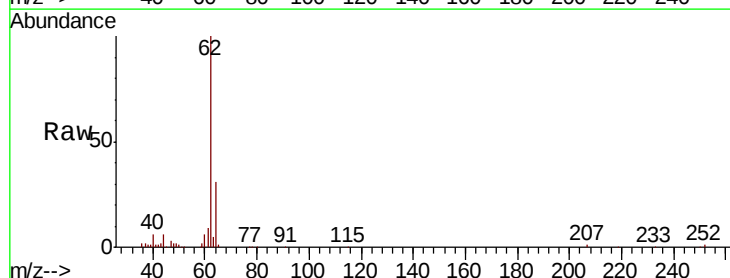
Acq: 31 Mar 2020 12:55

Tgt Ion: 62 Resp: 102537

Ion Ratio Lower Upper

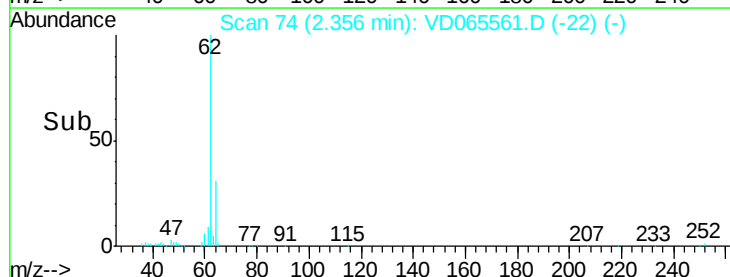
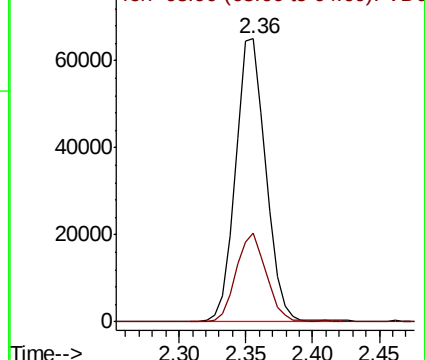
62 100

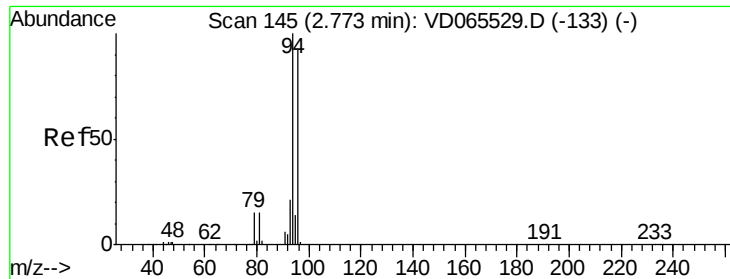
64 31.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.590 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

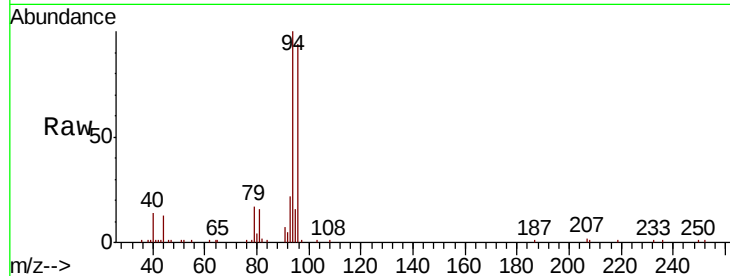
ClientSampleId :

Tot Ion: 94 Resp: 70472

Ion Ratio Lower Upper

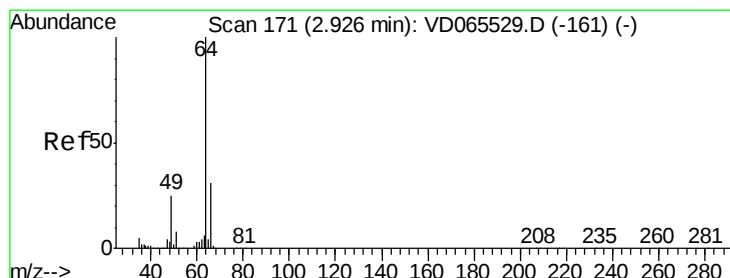
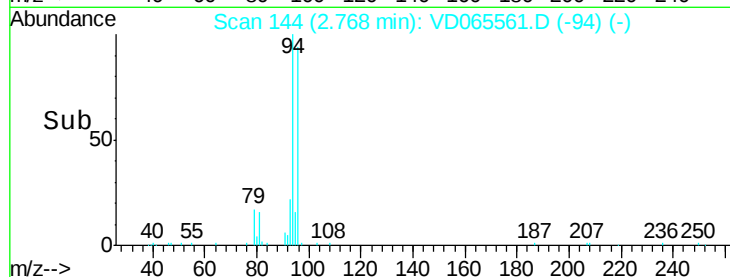
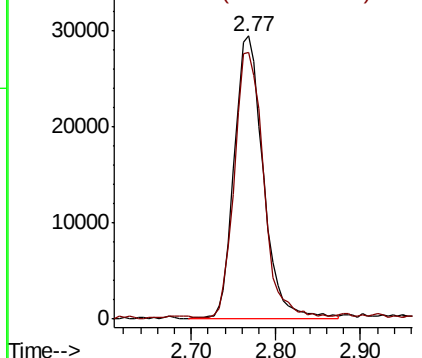
94 100

96 93.1 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: 21.456 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065561.D

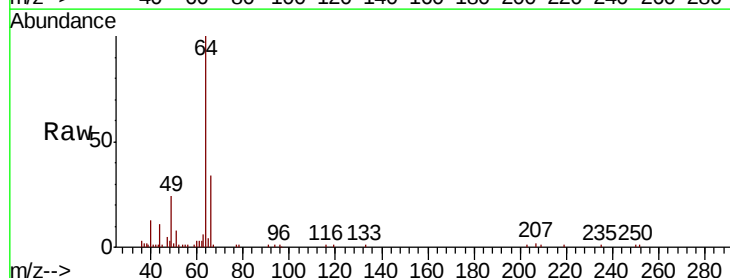
Acq: 31 Mar 2020 12:55

Tgt Ion: 64 Resp: 66354

Ion Ratio Lower Upper

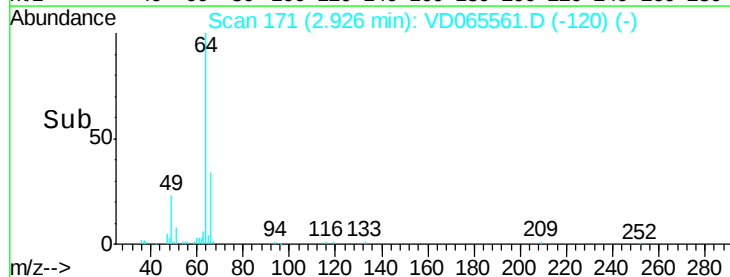
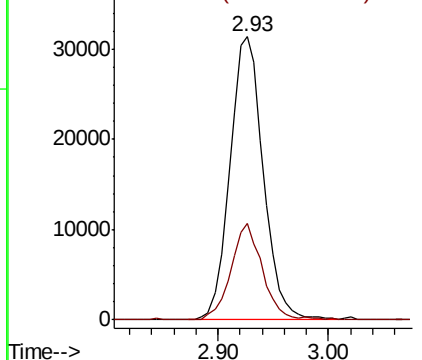
64 100

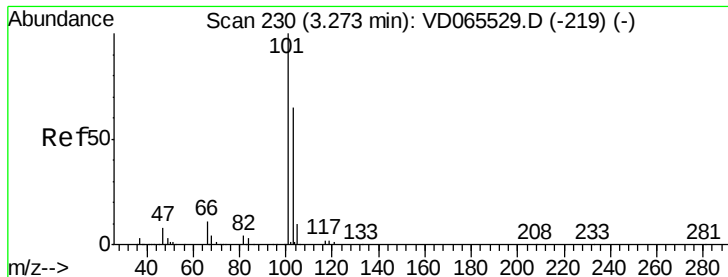
66 34.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



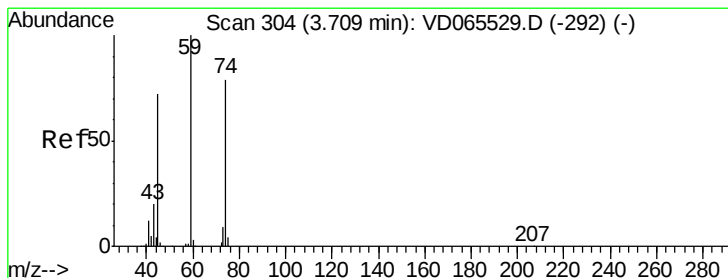
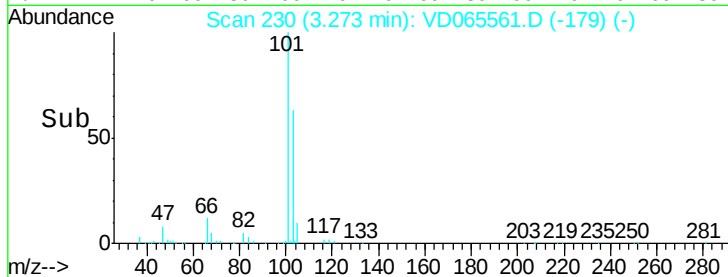
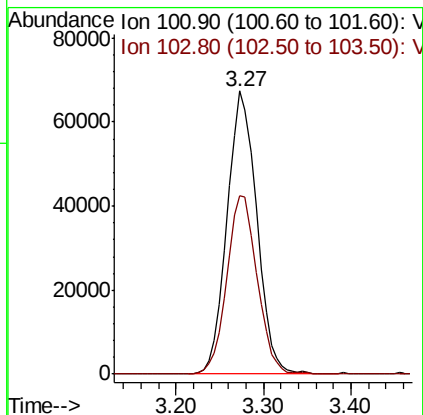
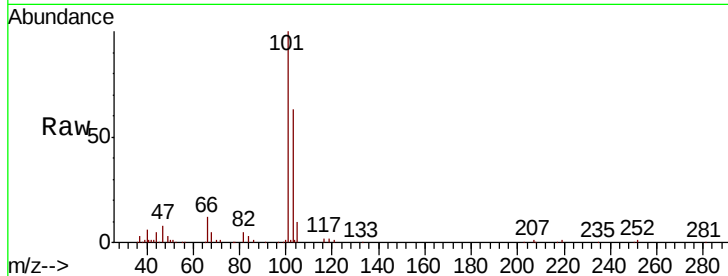


#7

Trichlorofluoromethane
 Concen: 21.782 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :

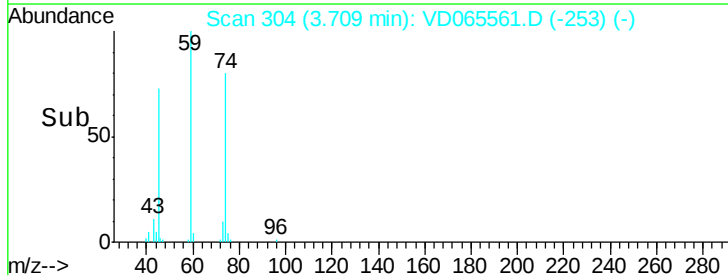
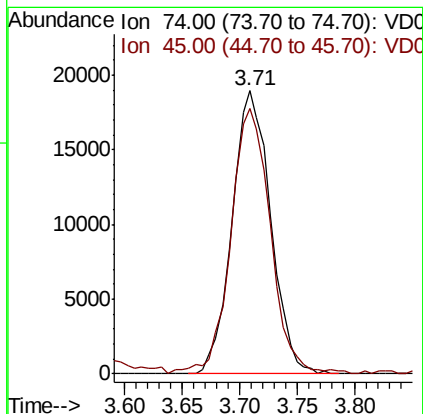
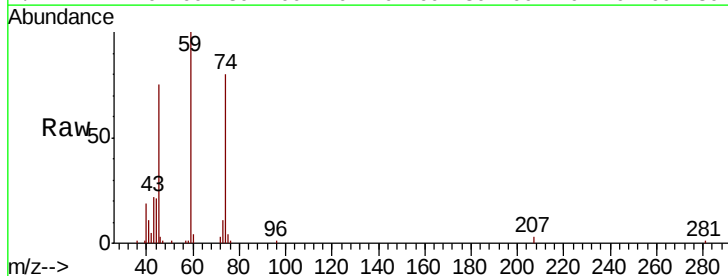
Tot Ion:101 Resp: 155520
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.9 77.9

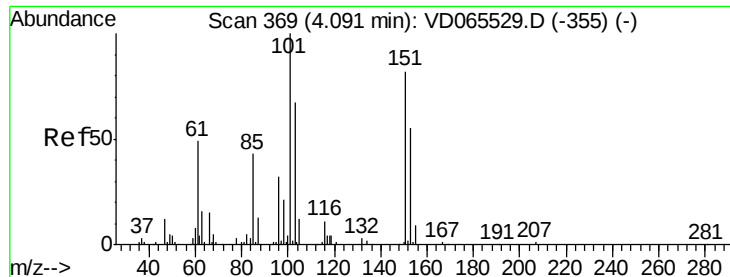


#8

Diethyl Ether
 Concen: 19.335 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion: 74 Resp: 43802
 Ion Ratio Lower Upper
 74 100
 45 96.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.848 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

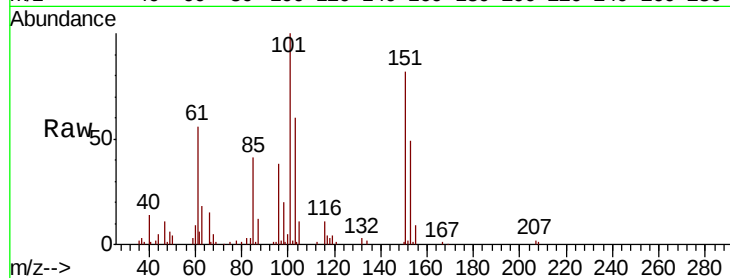
Tot Ion:101 Resp: 98170

Ion Ratio Lower Upper

101 100

85 41.3 32.6 48.8

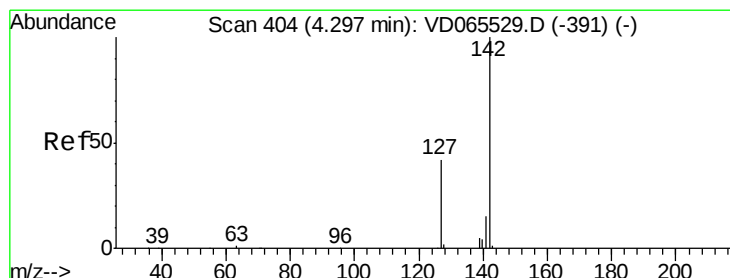
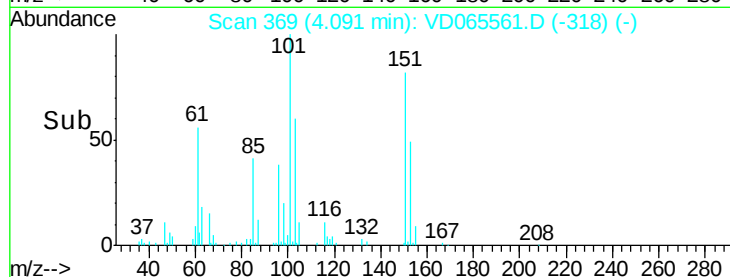
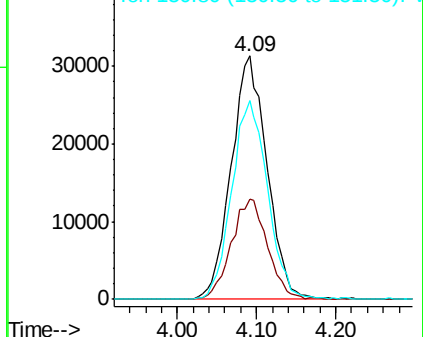
151 81.5 65.5 98.3



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: 19.101 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

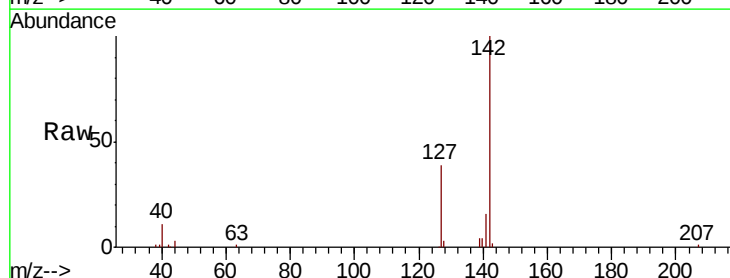
Tgt Ion:142 Resp: 104073

Ion Ratio Lower Upper

142 100

127 41.9 33.9 50.9

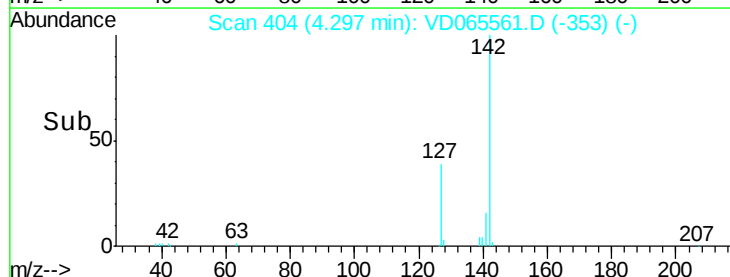
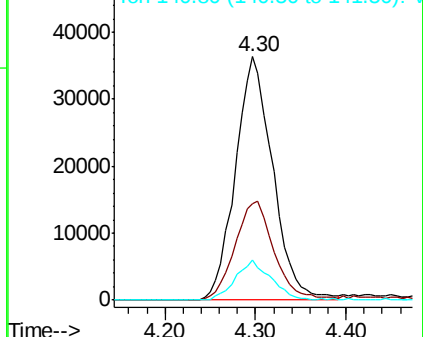
141 15.5 11.6 17.4

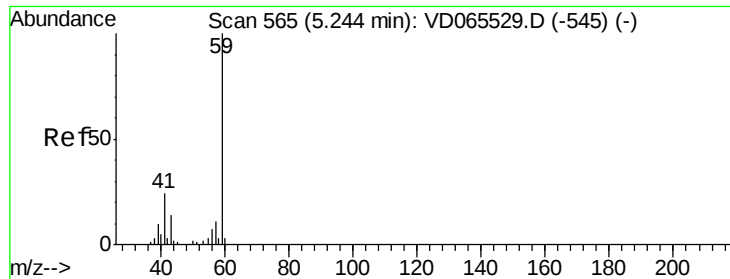


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



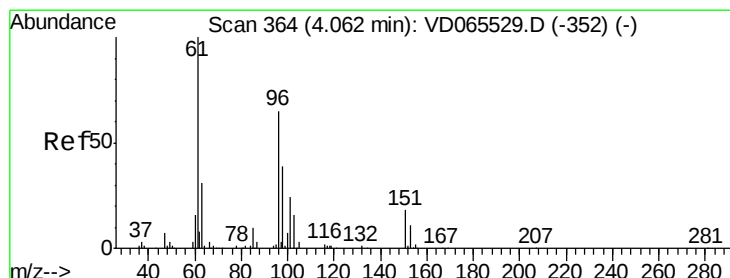
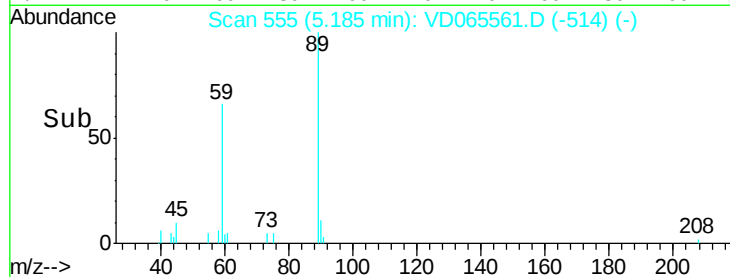
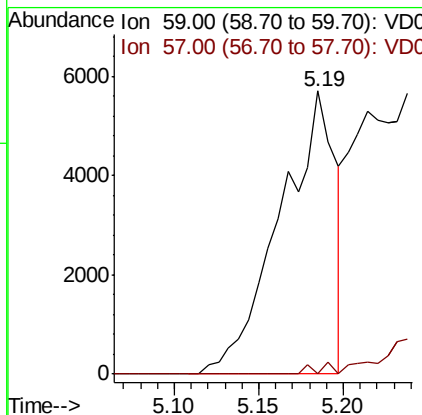
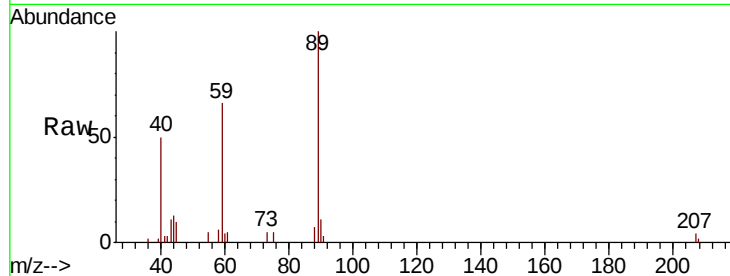


#11

Tert butyl alcohol
Concen: 53.507 ug/l
RT: 5.19 min Scan# 555
Delta R.T. -0.06 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

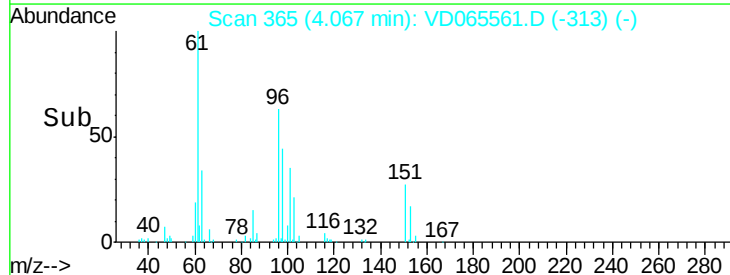
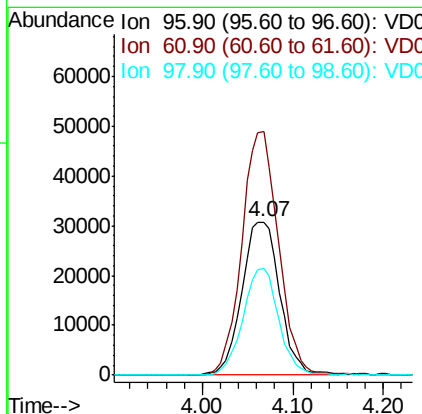
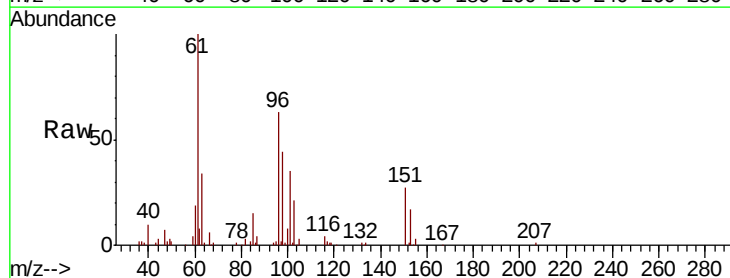
Tot Ion: 59 Resp: 12971
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

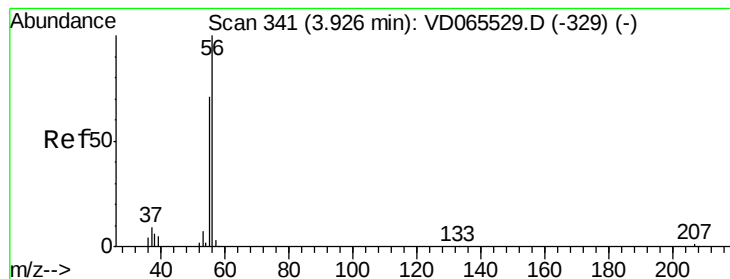


#12

1,1-Dichloroethene
Concen: 19.945 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 96 Resp: 89235
Ion Ratio Lower Upper
96 100
61 158.8 124.0 186.0
98 69.7 48.2 72.4





#13

Acrolein

Concen: 88.924 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

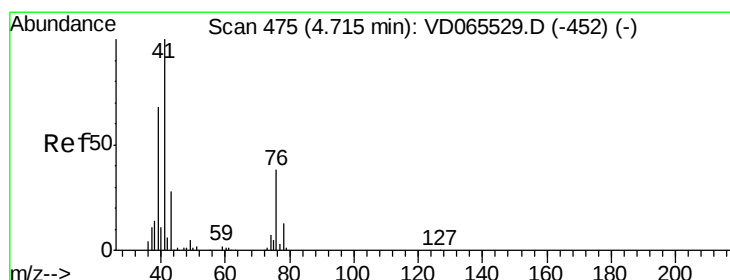
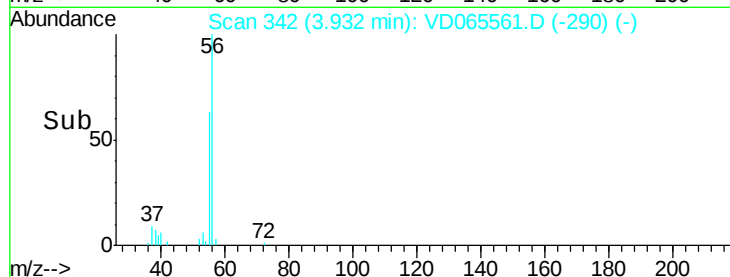
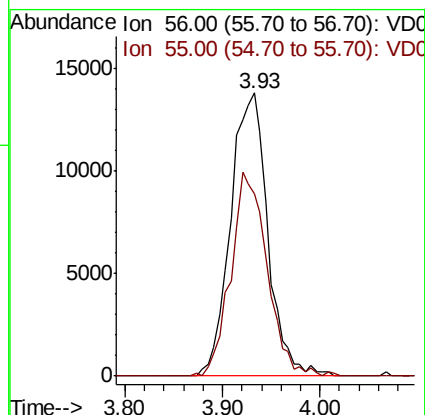
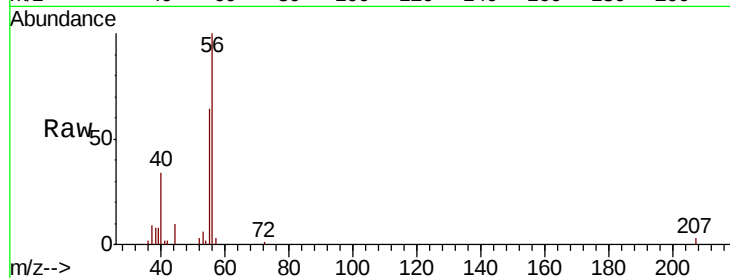
ClientSampleId :

Tot Ion: 56 Resp: 36396

Ion Ratio Lower Upper

56 100

55 70.1 56.2 84.2



#14

Allyl chloride

Concen: 19.915 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

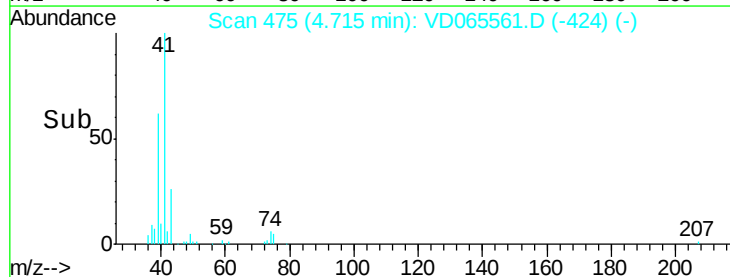
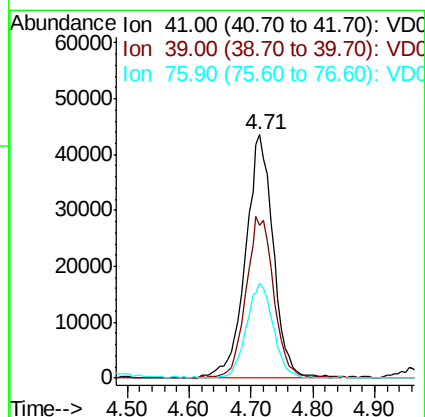
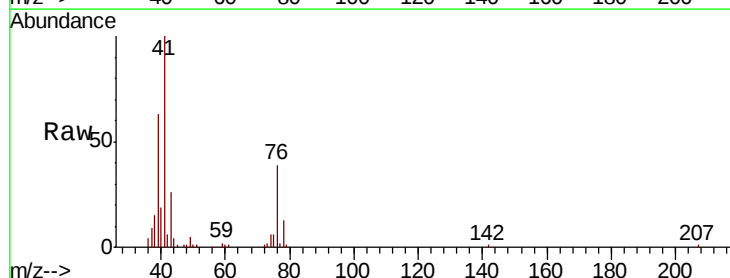
Tgt Ion: 41 Resp: 135572

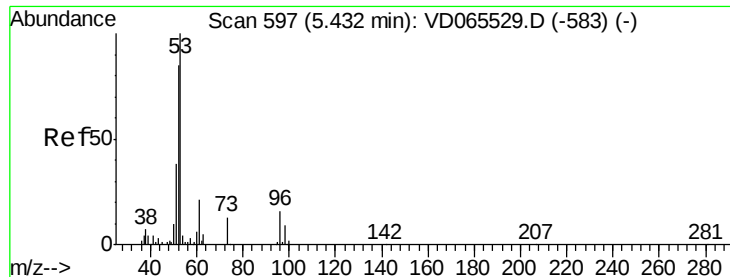
Ion Ratio Lower Upper

41 100

39 66.4 52.9 79.3

76 37.8 28.9 43.3





#15

Acrylonitrile

Concen: 96.596 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

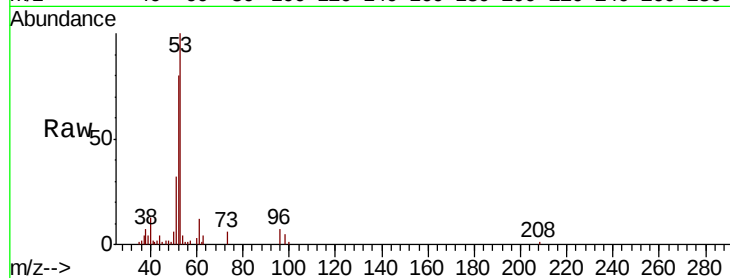
Tot Ion: 53 Resp: 90111

Ion Ratio Lower Upper

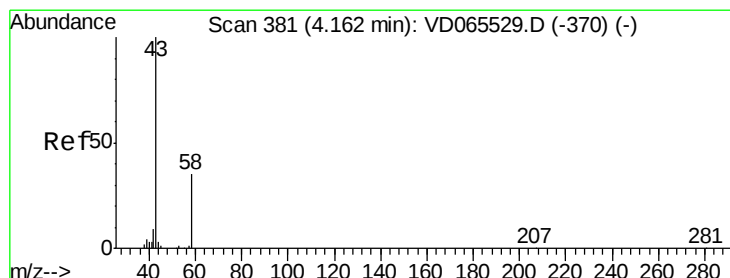
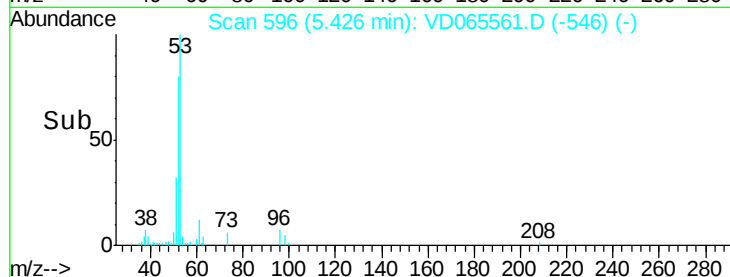
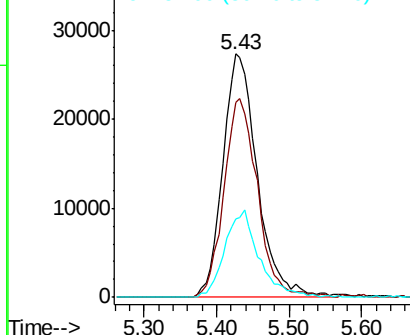
53 100

52 79.8 65.8 98.6

51 35.5 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: 95.600 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065561.D

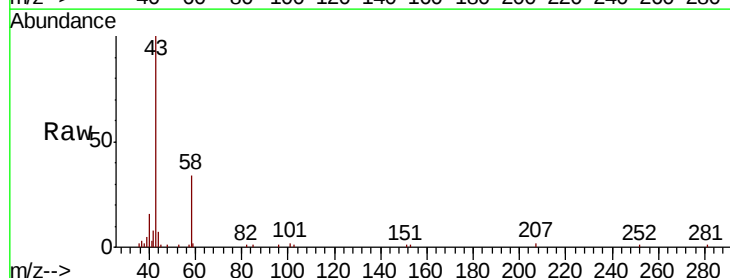
Acq: 31 Mar 2020 12:55

Tgt Ion: 43 Resp: 77761

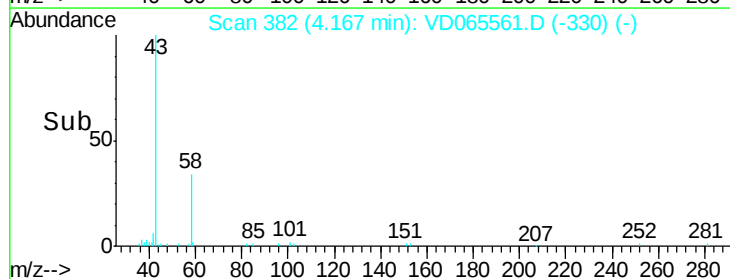
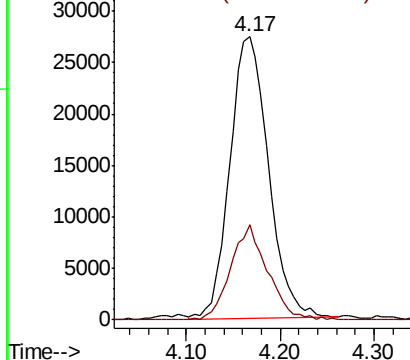
Ion Ratio Lower Upper

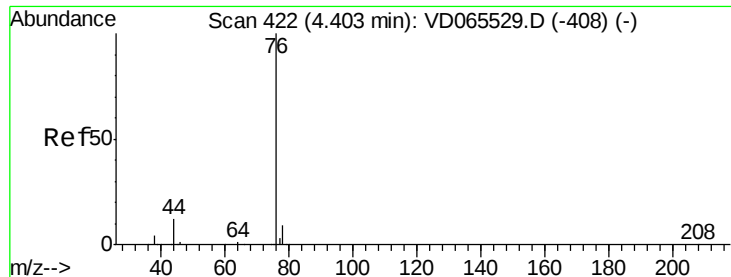
43 100

58 33.9 27.9 41.9



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

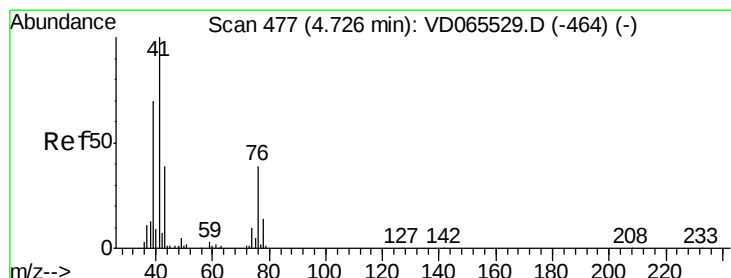
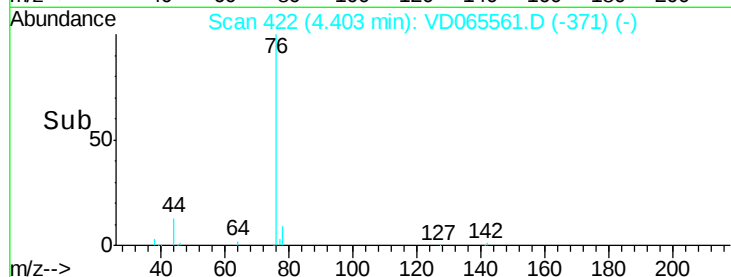
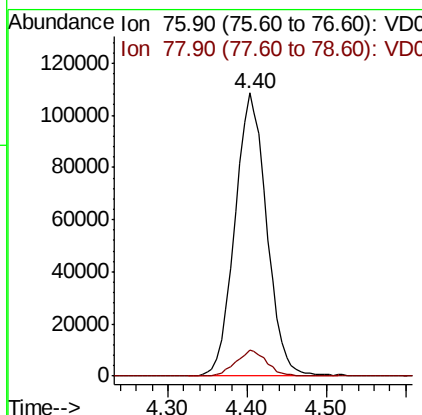
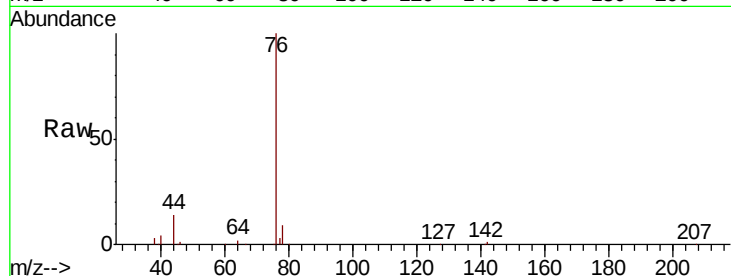




#17
Carbon Disulfide
Concen: 20.440 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

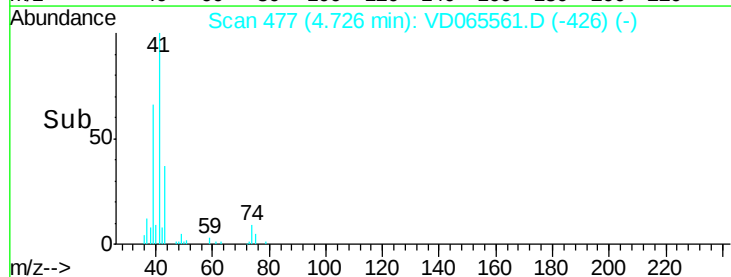
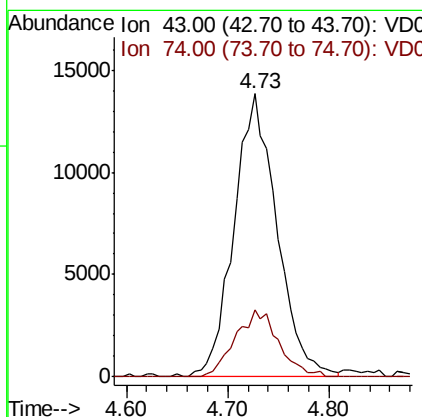
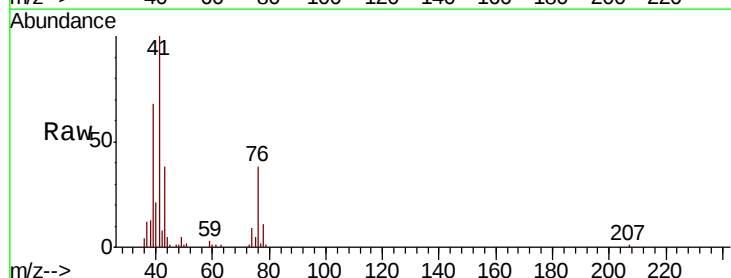
Instrument :
MSVOA_D
ClientSampleId :

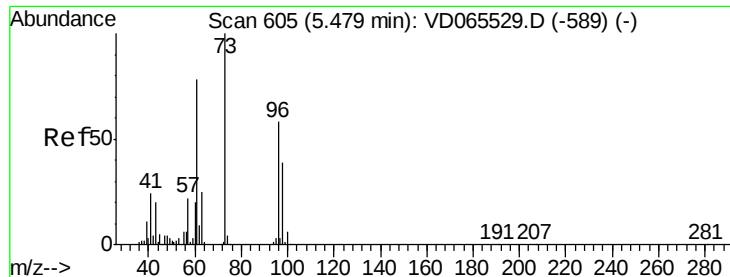
Tot Ion: 76 Resp: 301471
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 19.268 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 43 Resp: 40753
Ion Ratio Lower Upper
43 100
74 23.9 20.1 30.1

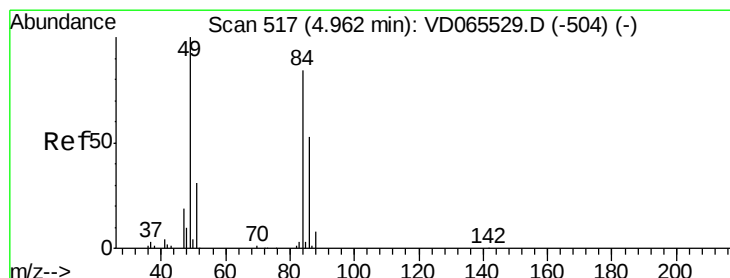
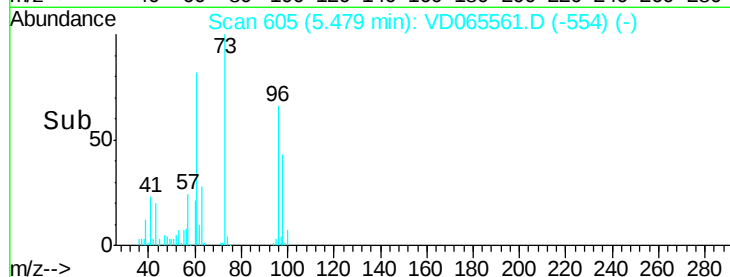
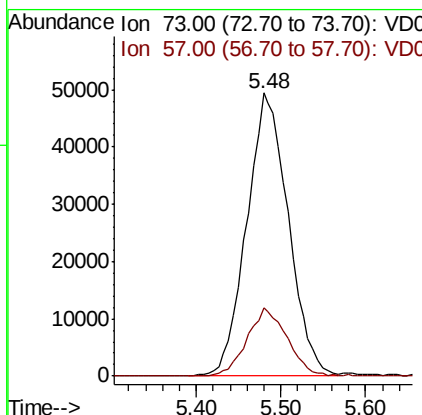
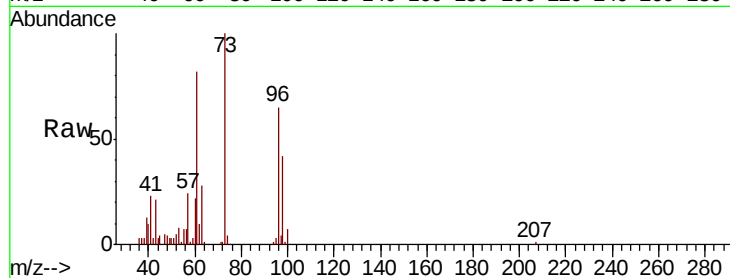




#19
Methvl tert-butvl Ether
Concen: 18.950 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

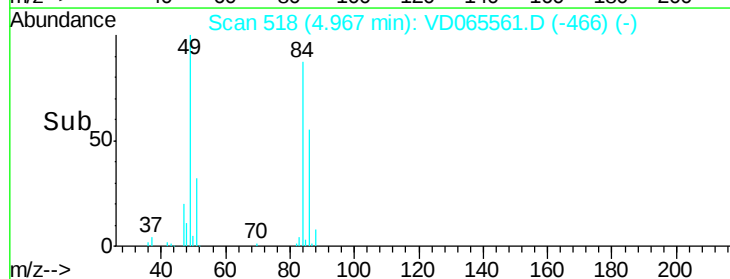
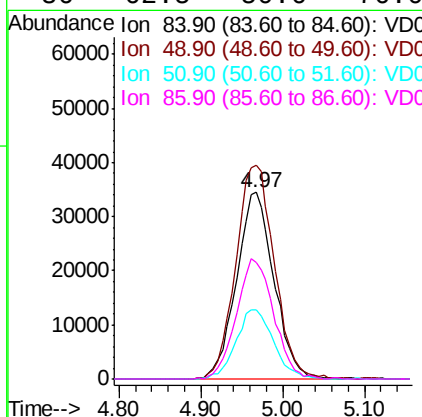
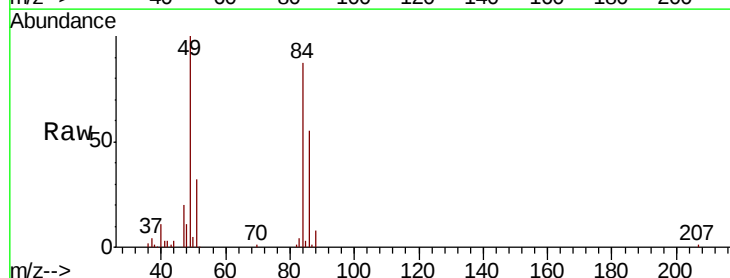
Instrument :
MSVOA_D
ClientSampleId :

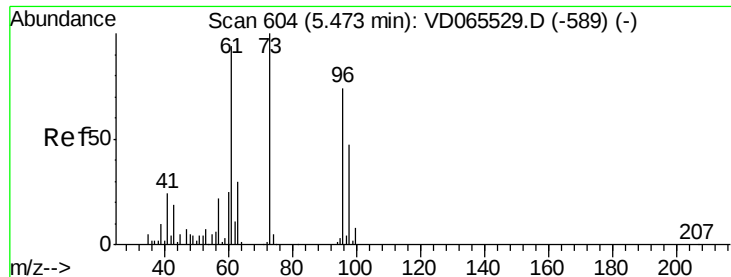
Tot Ion: 73 Resp: 169088
Ion Ratio Lower Upper
73 100
57 24.0 17.7 26.5



#20
Methylene Chloride
Concen: 18.377 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 84 Resp: 109873
Ion Ratio Lower Upper
84 100
49 114.3 95.6 143.4
51 36.9 29.4 44.2
86 62.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.612 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampled :

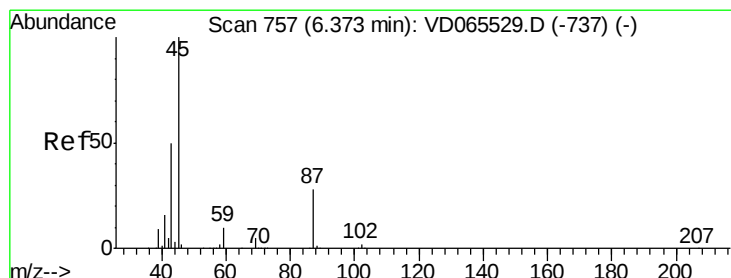
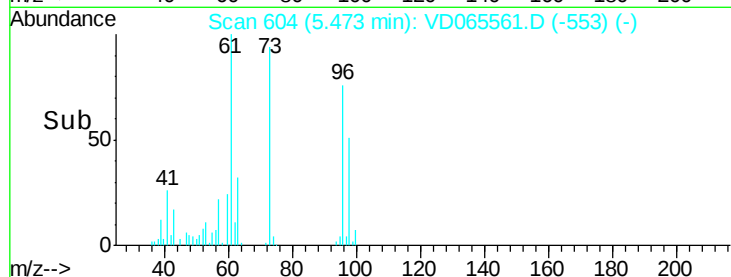
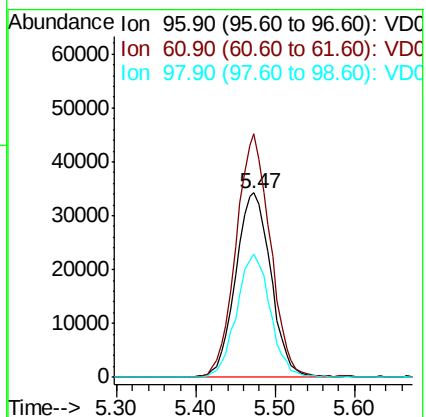
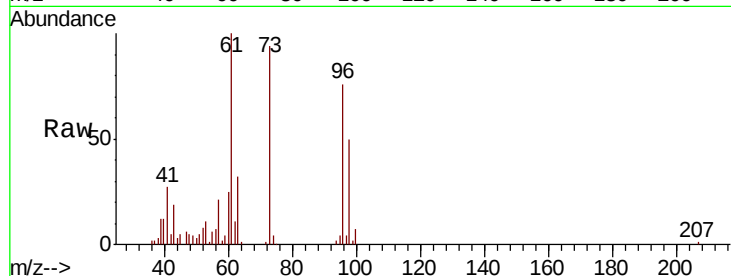
Tot Ion: 96 Resp: 106096

Ion Ratio Lower Upper

96 100

61 132.2 101.8 152.6

98 66.7 51.4 77.2



#22

Diisopropyl ether

Concen: 20.665 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Tgt Ion: 45 Resp: 272787

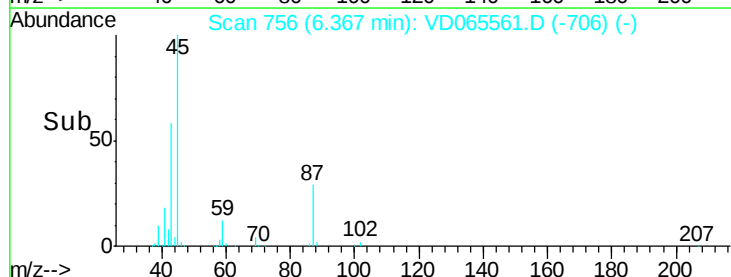
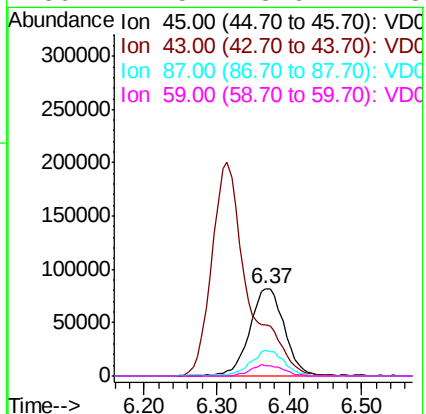
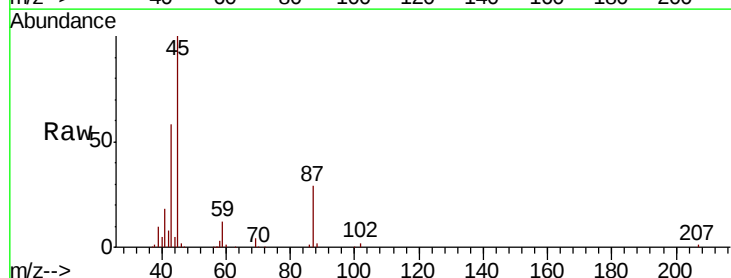
Ion Ratio Lower Upper

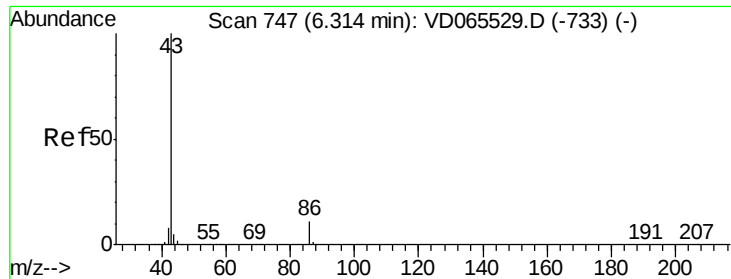
45 100

43 57.5 40.5 60.7

87 29.1 22.5 33.7

59 11.5 8.6 12.8





#23

Vinyl Acetate

Concen: 96.489 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

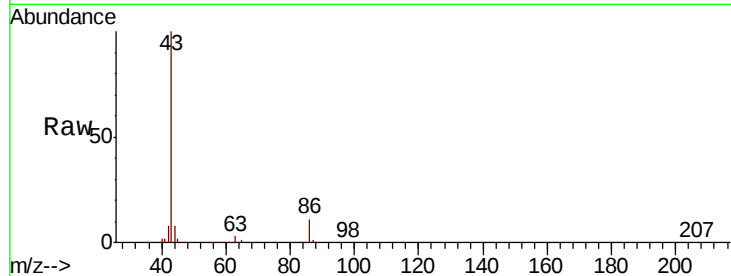
ClientSampled :

Tot Ion: 43 Resp: 693780

Ion Ratio Lower Upper

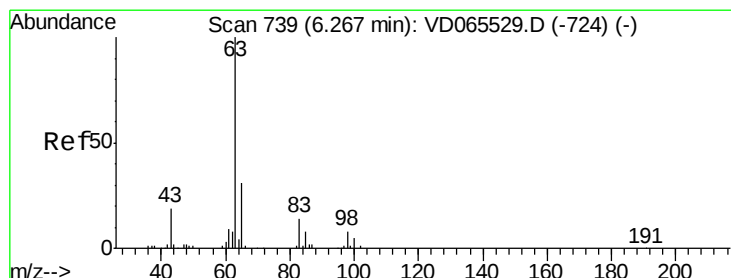
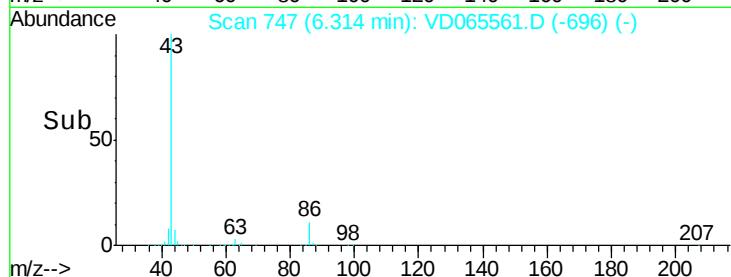
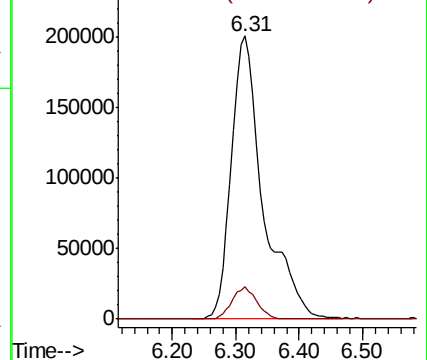
43 100

86 11.5 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: 20.760 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

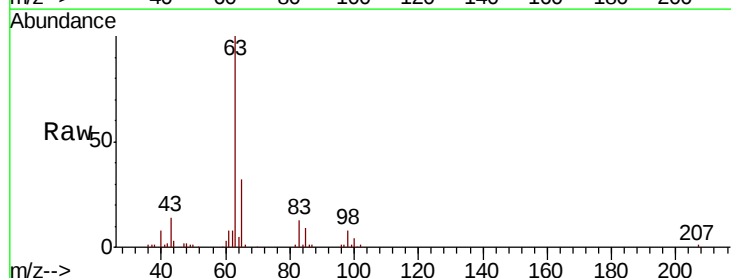
Tgt Ion: 63 Resp: 173779

Ion Ratio Lower Upper

63 100

98 8.1 4.2 12.6

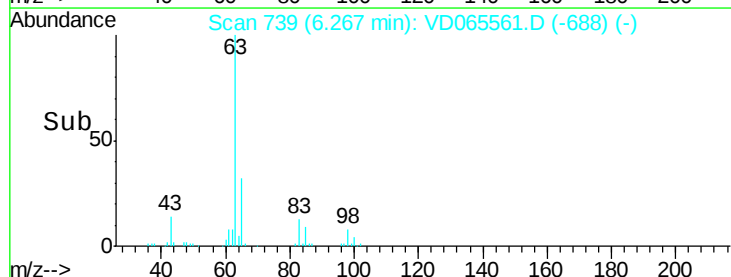
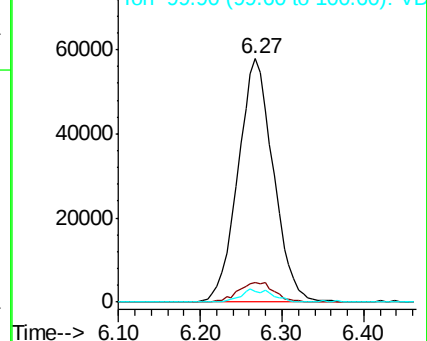
100 4.4 2.5 7.4

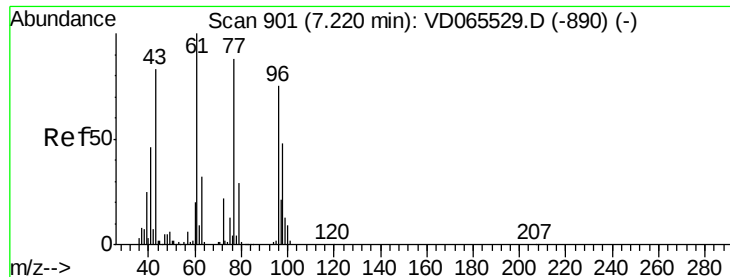


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 96.040 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

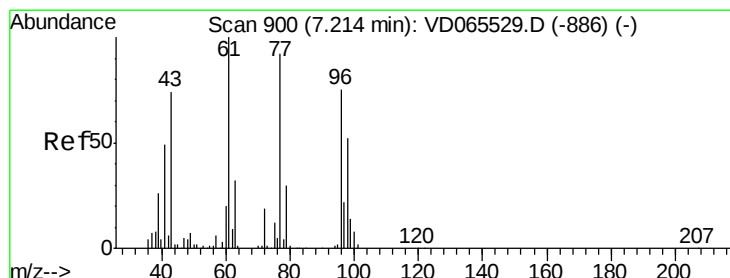
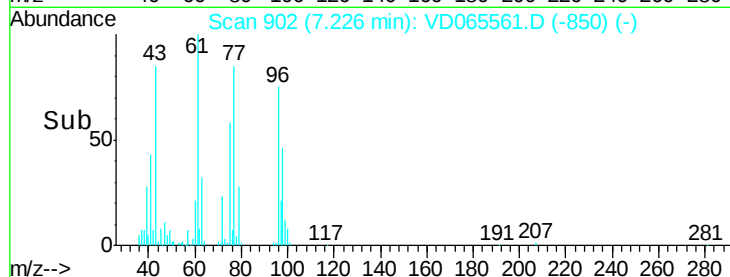
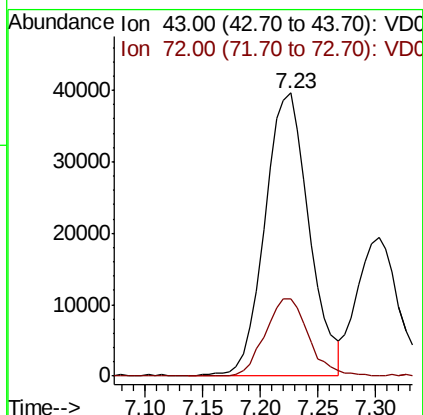
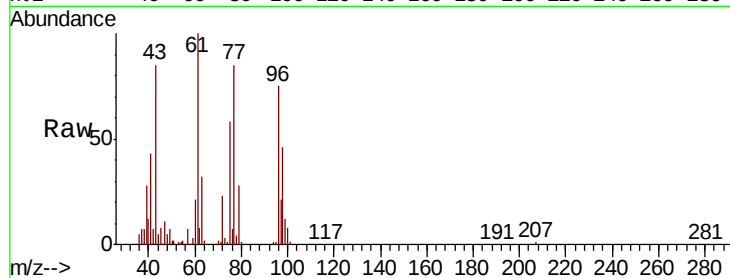
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 106092

Ion Ratio Lower Upper

43 100

72 27.3 21.5 32.3



#26

2,2-Dichloropropane

Concen: 21.220 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065561.D

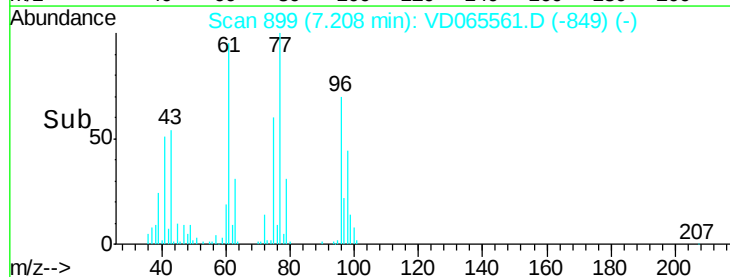
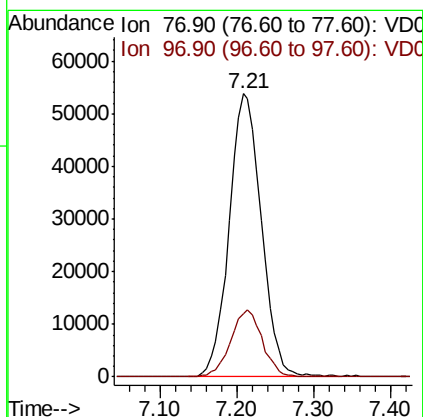
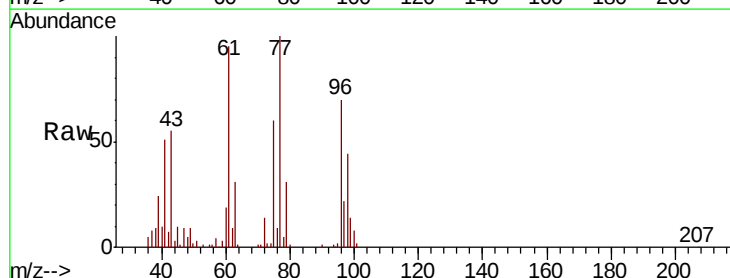
Acq: 31 Mar 2020 12:55

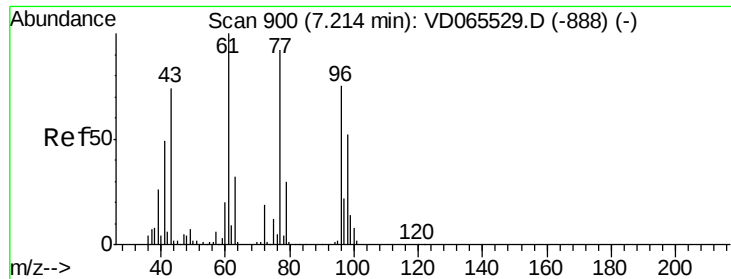
Tgt Ion: 77 Resp: 157292

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1



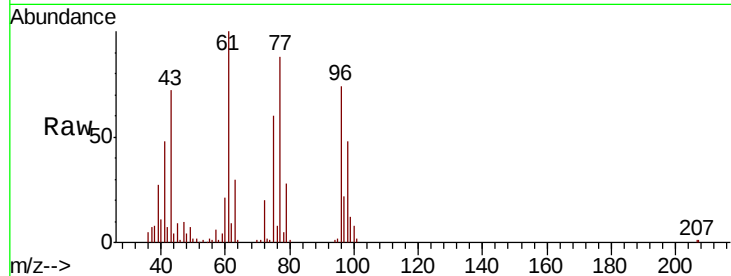


#27

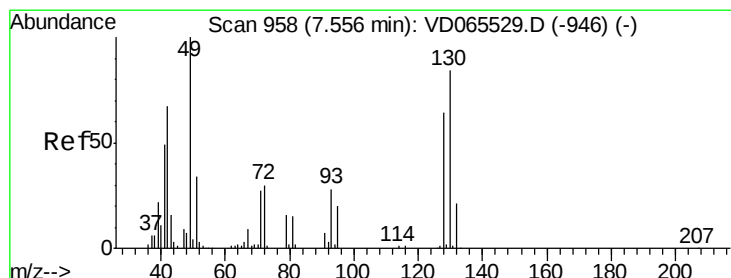
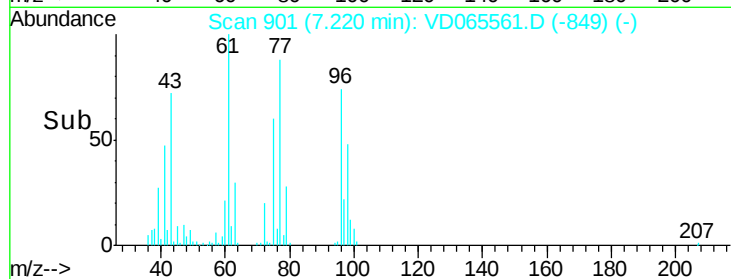
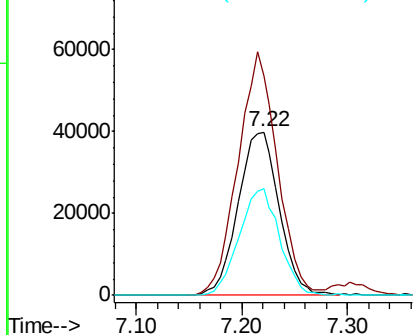
cis-1,2-Dichloroethene
Concen: 20.213 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 107813
Ion Ratio Lower Upper
96 100
61 142.4 0.0 278.0
98 64.3 0.0 129.6



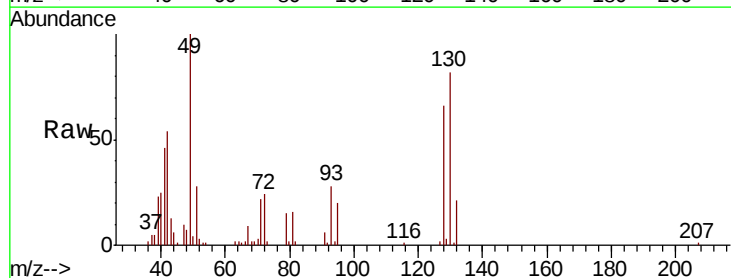
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



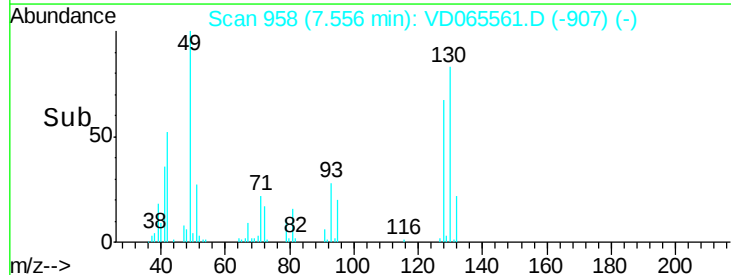
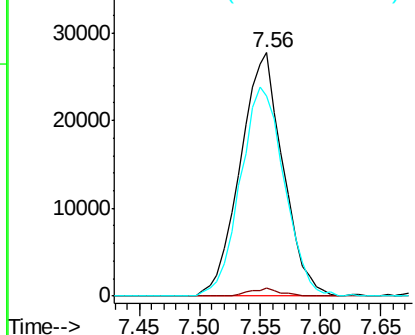
#28

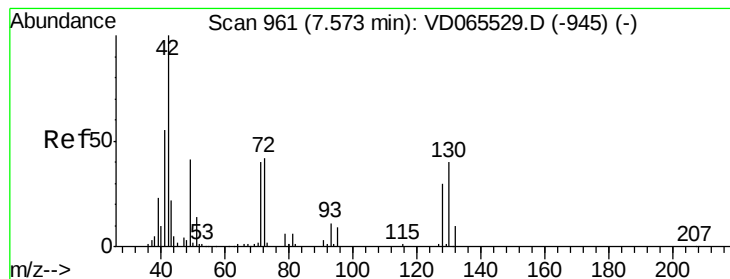
Bromochloromethane
Concen: 19.589 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 49 Resp: 68180
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 88.3 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: 90.359 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampled :

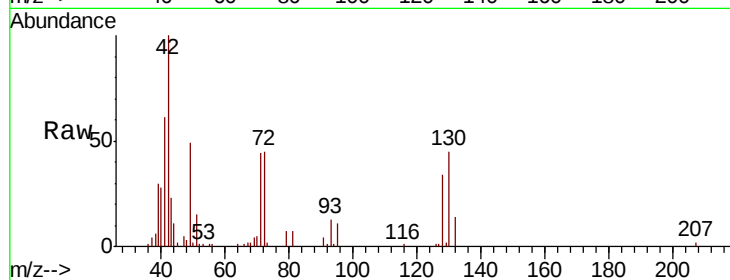
Tot Ion: 42 Resp: 64692

Ion Ratio Lower Upper

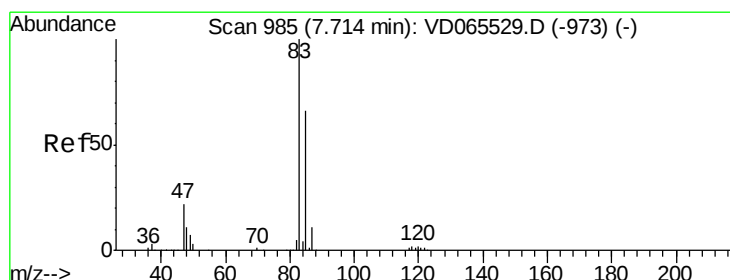
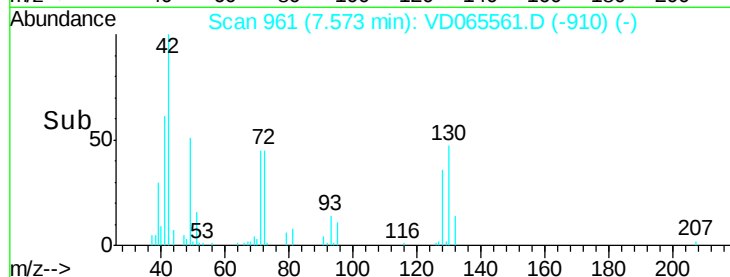
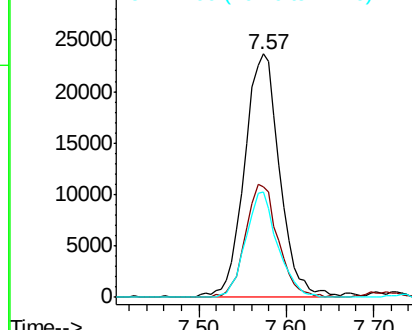
42 100

72 42.9 35.0 52.6

71 38.9 33.0 49.6



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



#30

Chloroform

Concen: 20.579 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065561.D

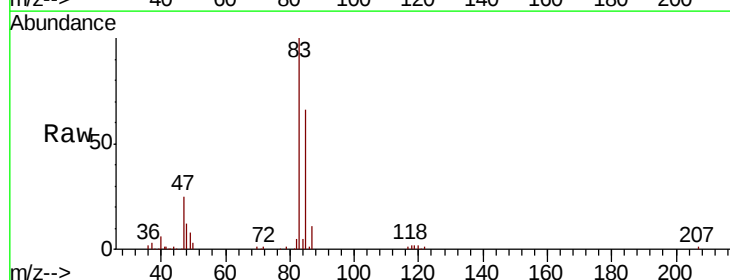
Acq: 31 Mar 2020 12:55

Tgt Ion: 83 Resp: 178443

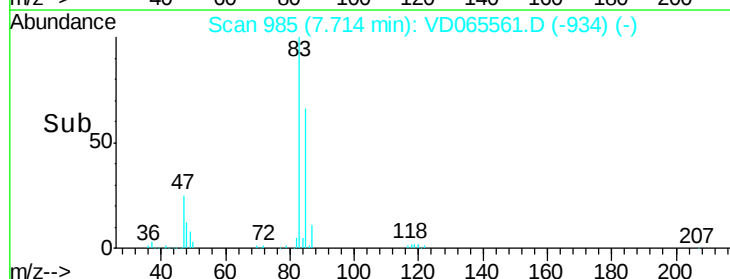
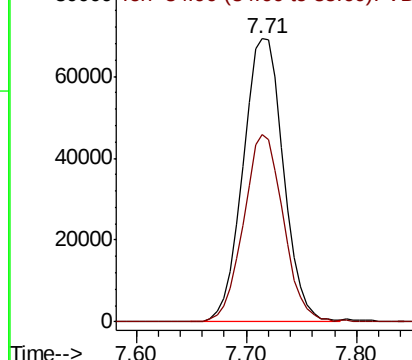
Ion Ratio Lower Upper

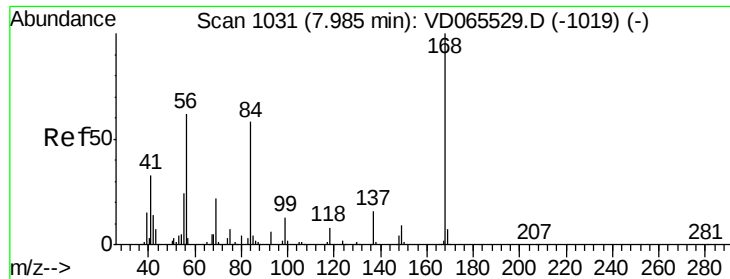
83 100

85 66.4 52.9 79.3



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

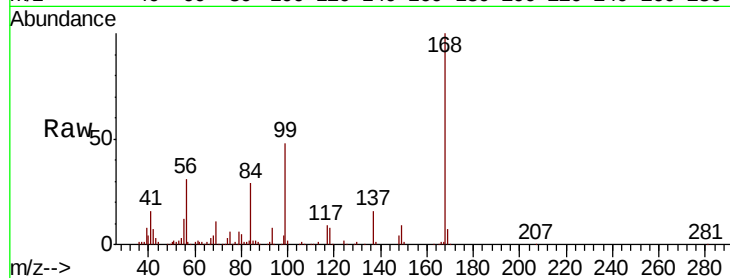




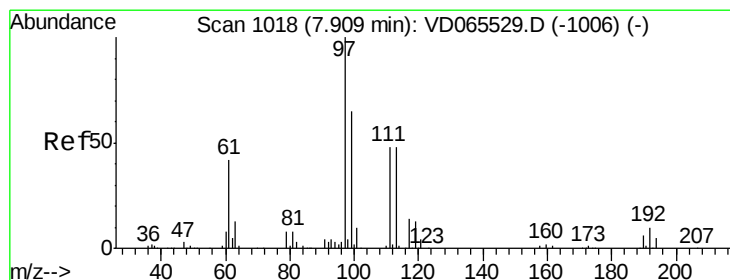
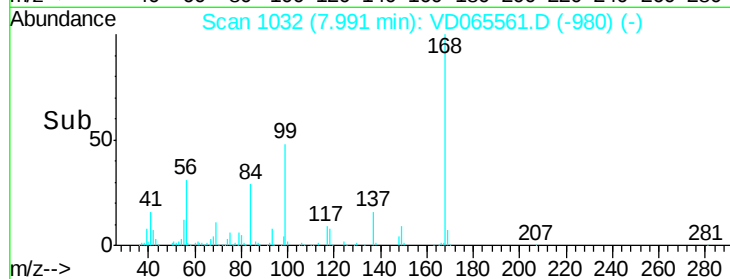
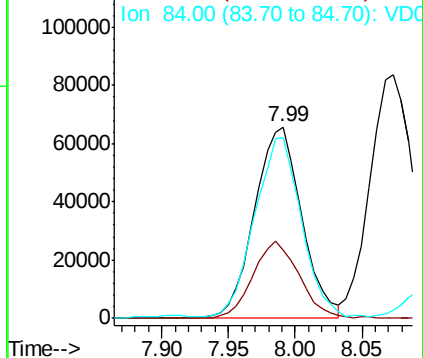
#31
Cyclohexane
Concen: 19.879 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 161084
Ion Ratio Lower Upper
56 100
69 35.5 28.2 42.4
84 93.5 73.4 110.0

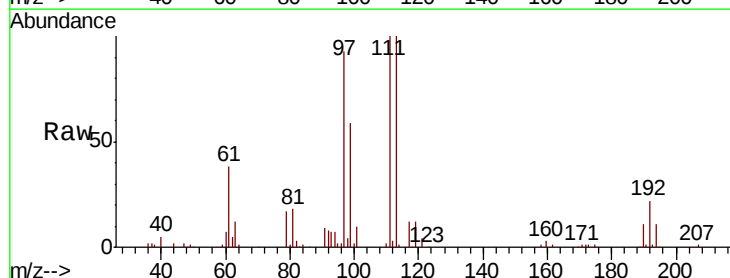


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

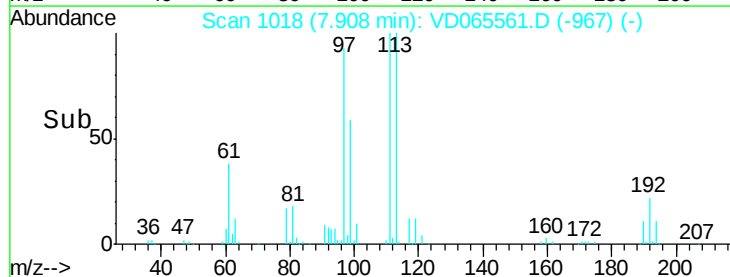
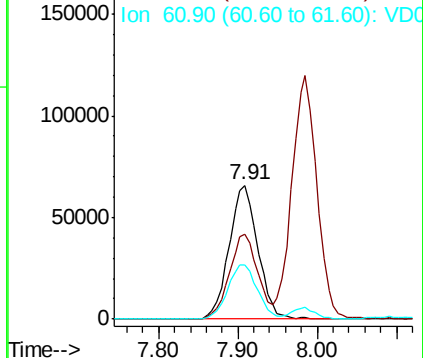


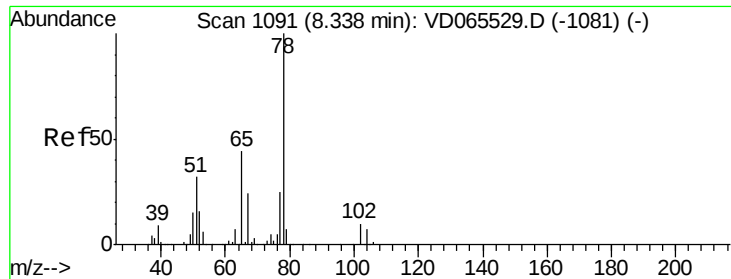
#32
1,1,1-Trichloroethane
Concen: 20.958 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 97 Resp: 164179
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 42.0 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

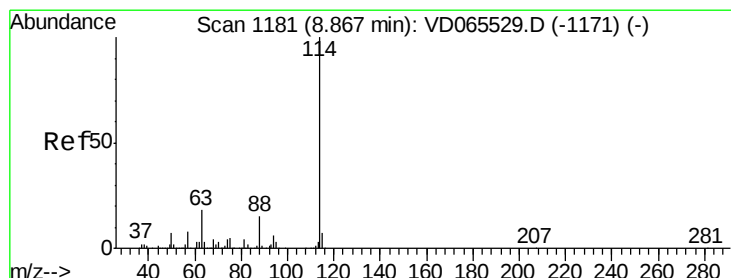
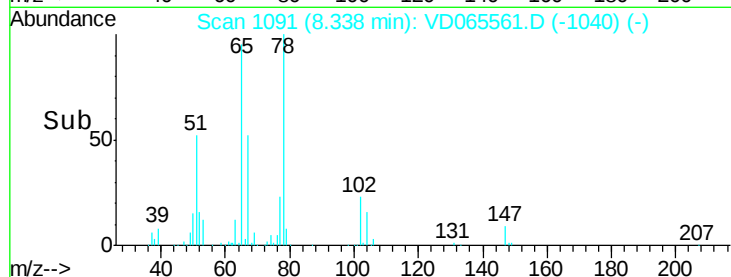
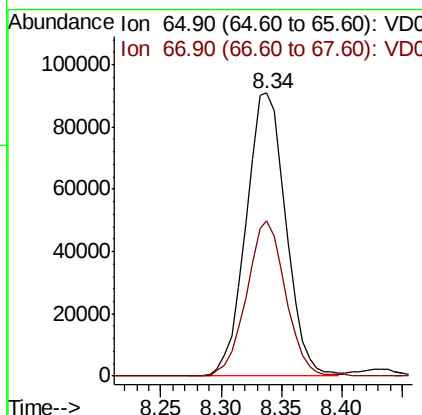
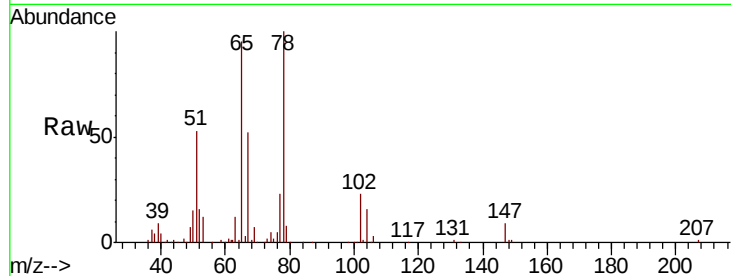




#33
 1,2-Dichloroethane-d4
 Concen: 48.396 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

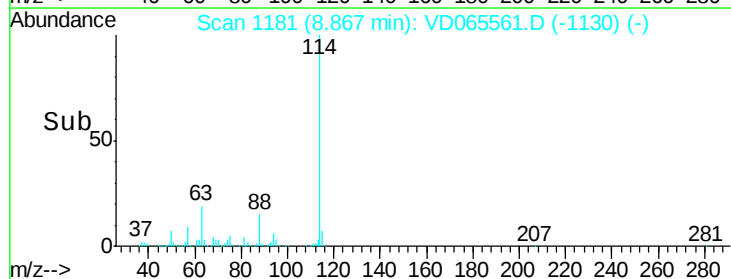
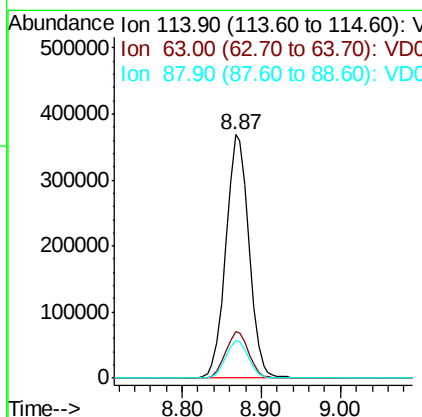
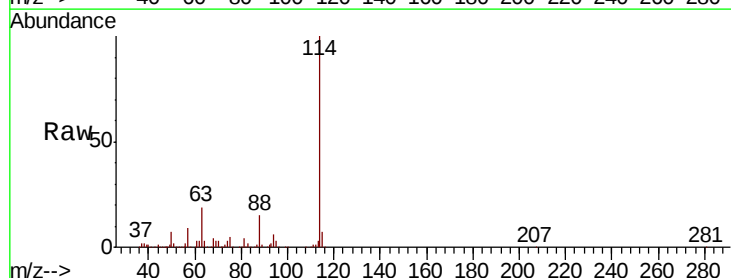
Instrument :
 MSVOA_D
 ClientSampled :

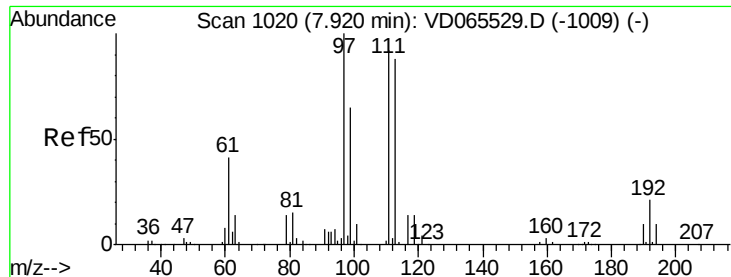
Tot Ion: 65 Resp: 208630
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion: 114 Resp: 741717
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.0
 88 15.2 0.0 30.4

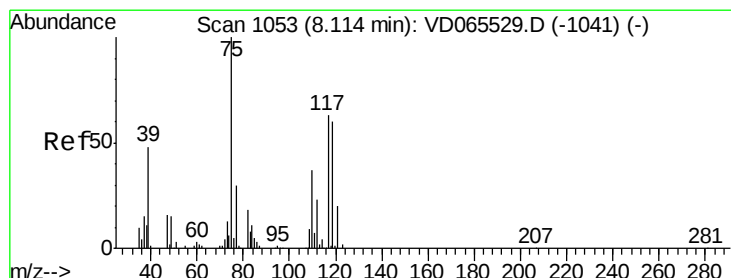
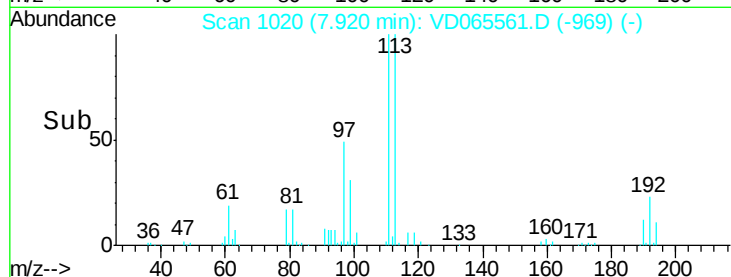
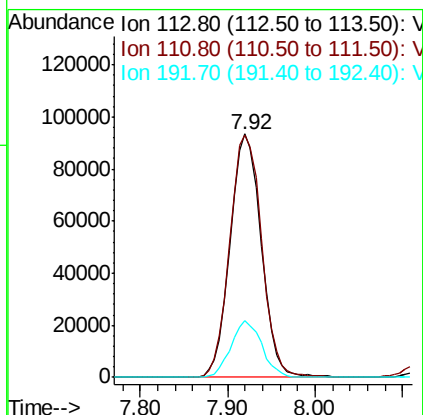
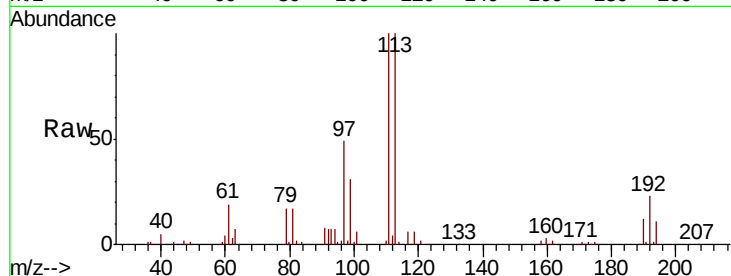




#35
Dibromofluoromethane
Concen: 49.331 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

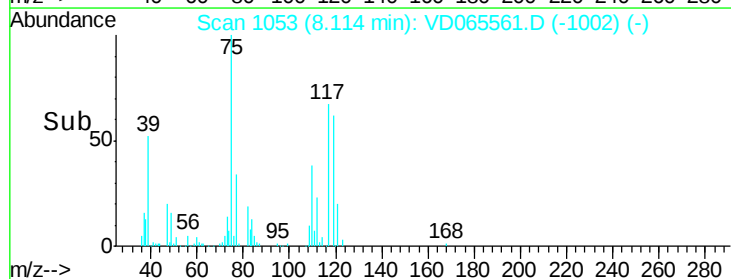
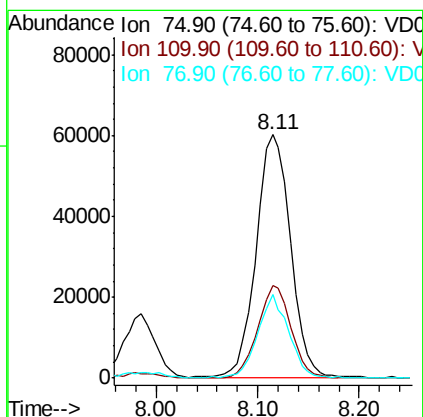
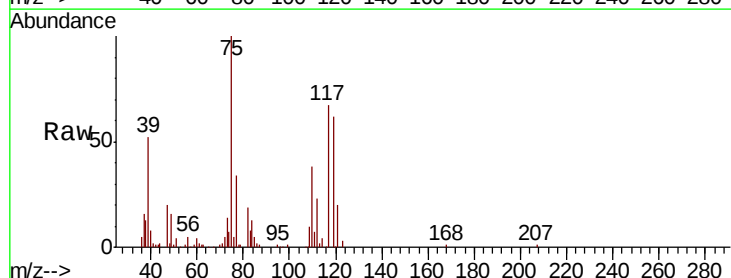
Instrument :
MSVOA_D
ClientSampleId :

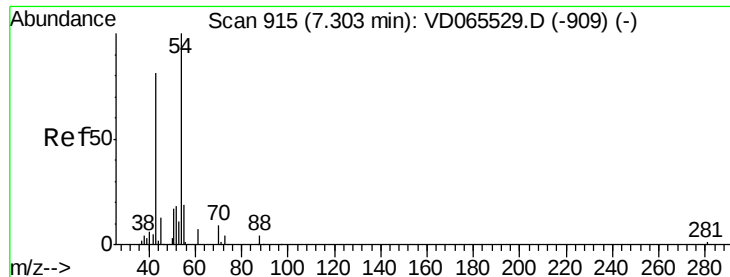
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	23.0	18.5	27.7



#36
1,1-Dichloropropene
Concen: 21.058 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.8	56.4
77	31.1	25.1	37.7

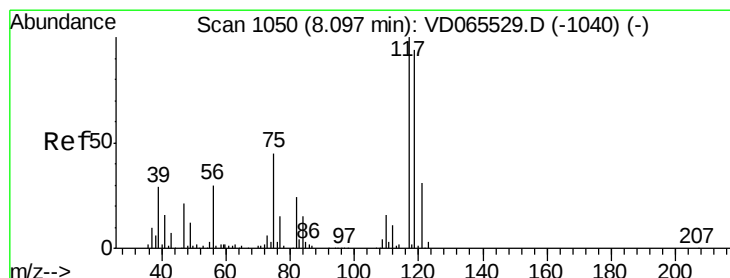
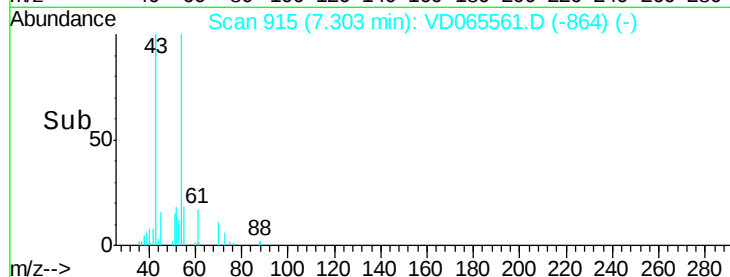
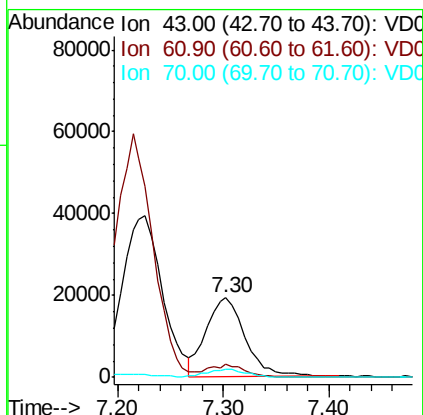
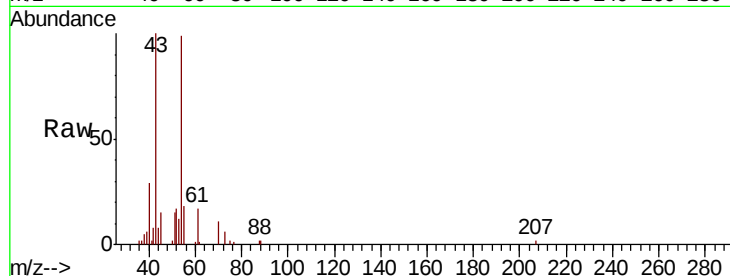




#37
Ethyl Acetate
Concen: 19.069 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

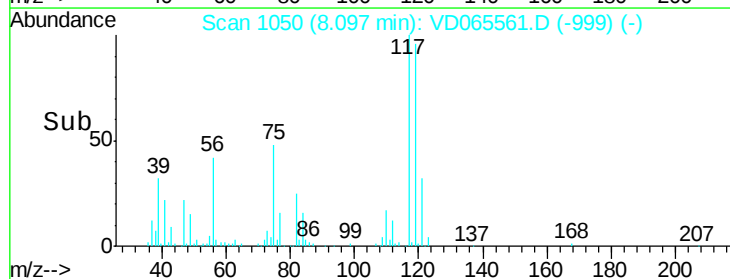
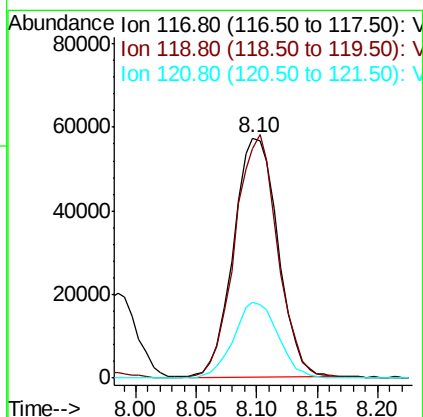
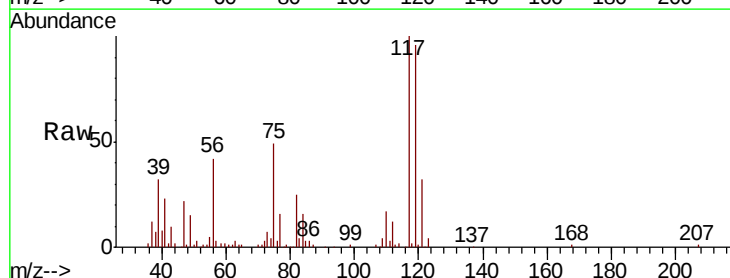
Instrument :
MSVOA_D
ClientSampled :

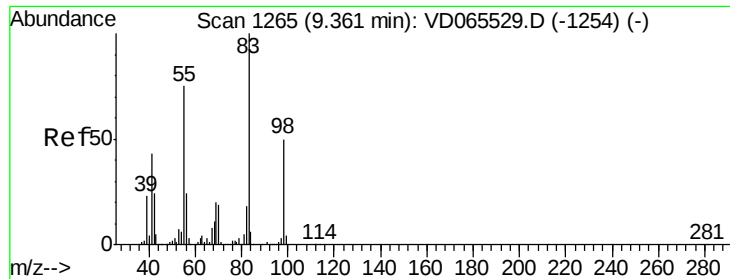
Tot Ion: 43 Resp: 49466
Ion Ratio Lower Upper
43 100
61 16.1 12.2 18.4
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.584 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 117 Resp: 146920
Ion Ratio Lower Upper
117 100
119 95.6 75.2 112.8
121 31.7 24.5 36.7

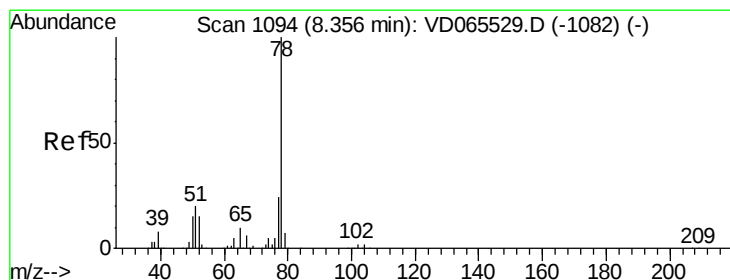
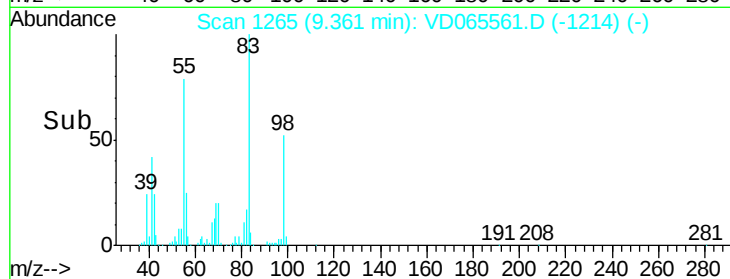
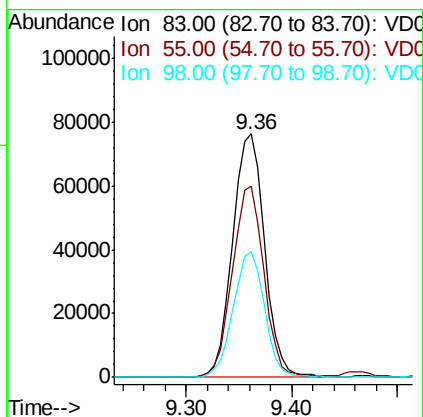
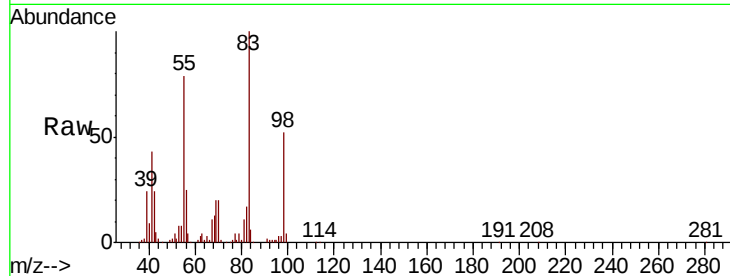




#39
Methvlcvclohexane
Concen: 20.053 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

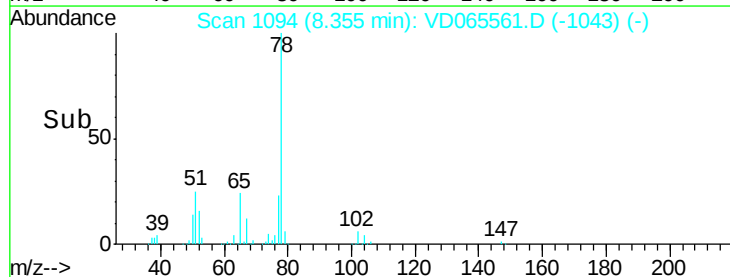
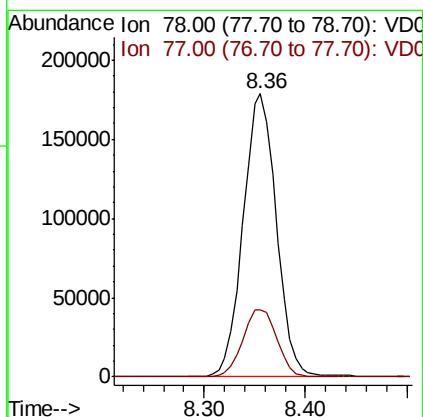
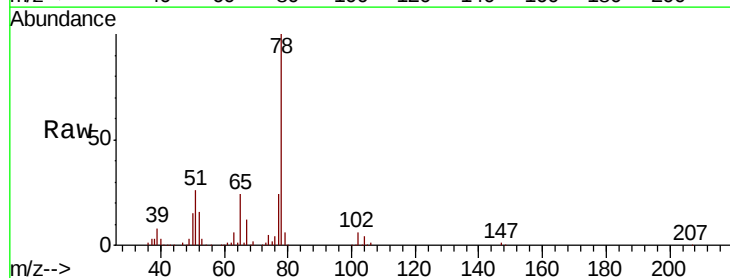
Instrument :
MSVOA_D
ClientSampleId :

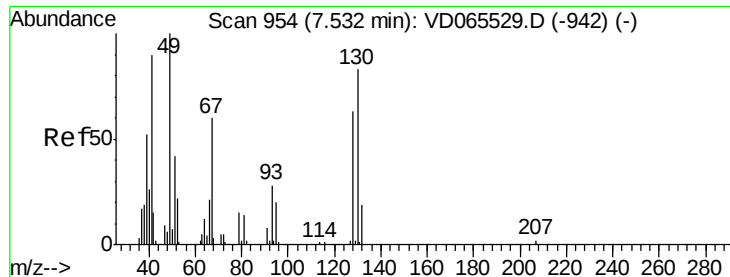
Tot Ion: 83 Resp: 160218
Ion Ratio Lower Upper
83 100
55 78.6 59.7 89.5
98 51.6 40.2 60.2



#40
Benzene
Concen: 21.057 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 78 Resp: 407197
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

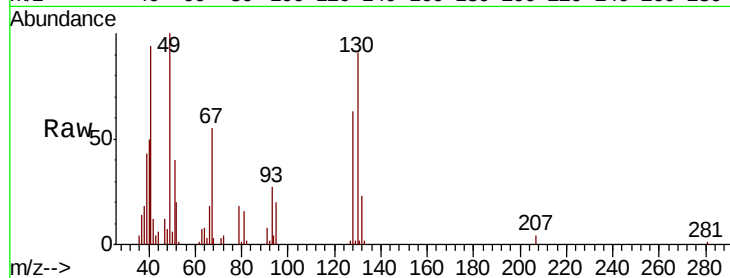




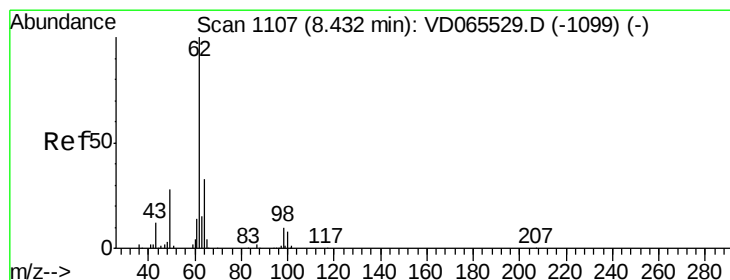
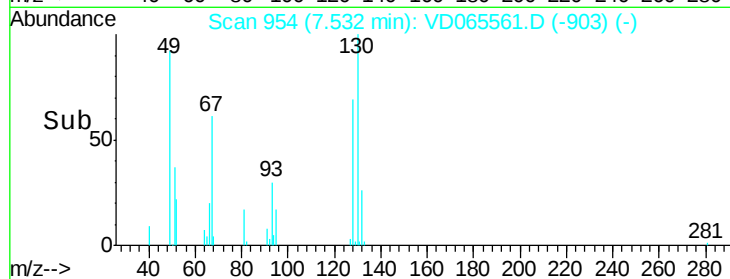
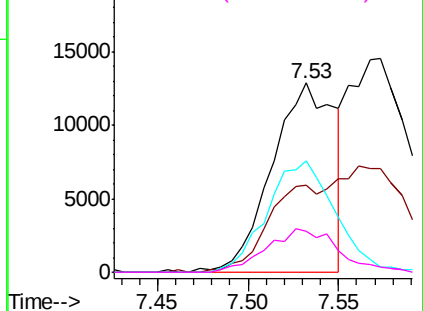
#41
Methacrylonitrile
Concen: 20.794 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	31136
Ion	Ratio	Lower	Upper
41	100		
39	37.2	42.9	64.3#
67	64.0	60.5	90.7
52	26.0	24.5	36.7

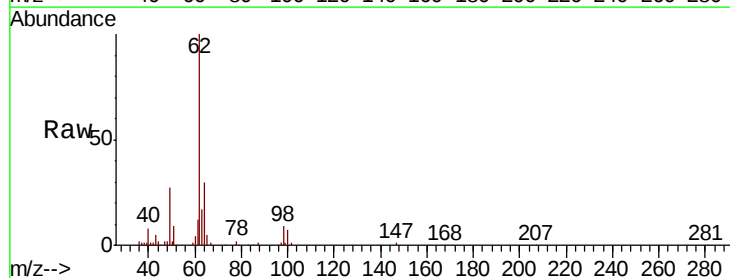


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

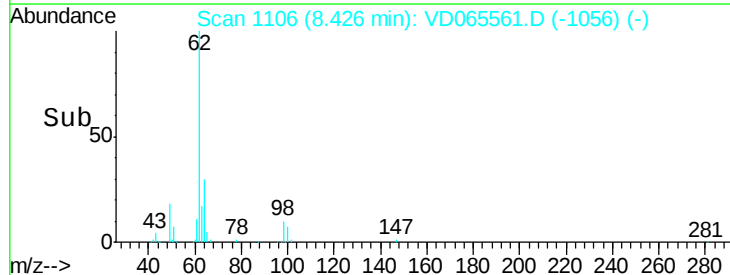
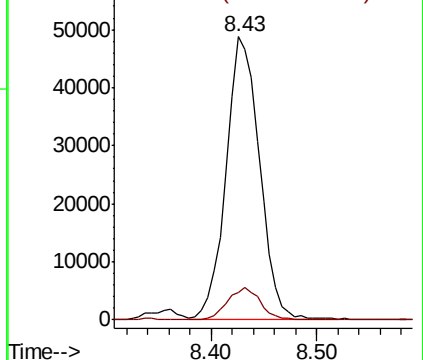


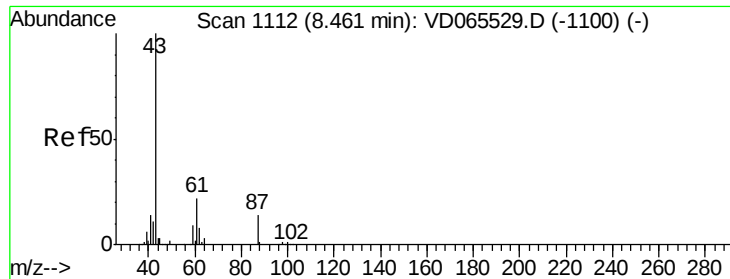
#42
1,2-Dichloroethane
Concen: 20.823 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion:	62	Resp:	107147
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



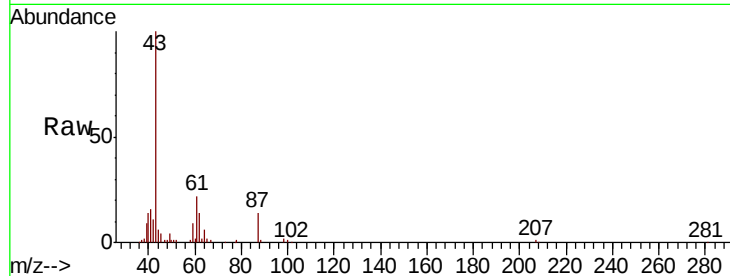


#43

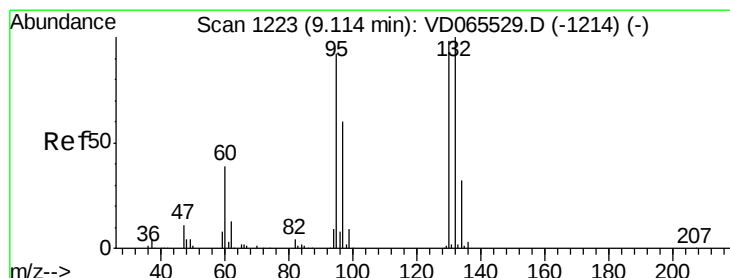
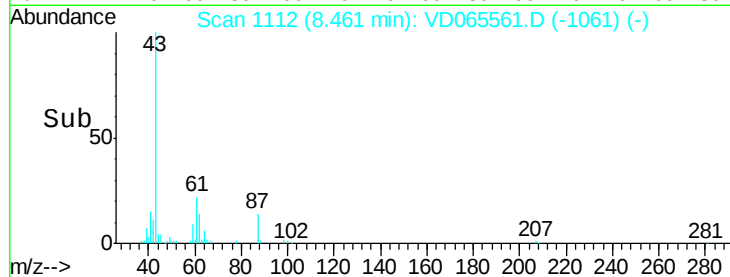
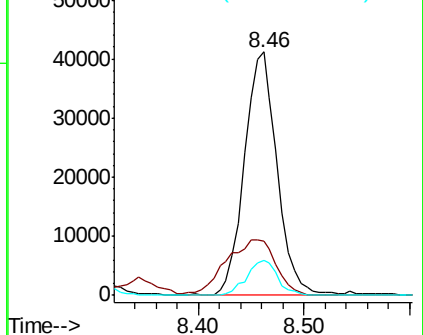
Isopropyl Acetate
 Concen: 18.813 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	43	Resp	88619
Ion Ratio	Lower	Upper	
43	100		
61	34.8	25.0	37.4
87	13.7	11.0	16.4



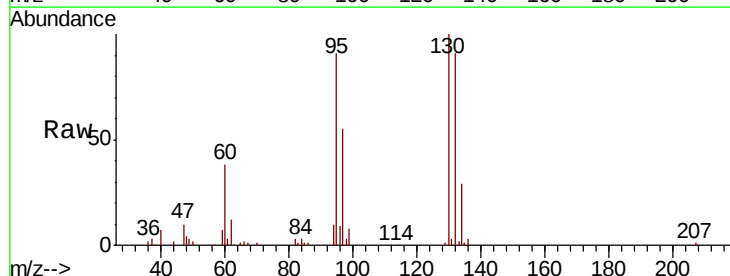
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



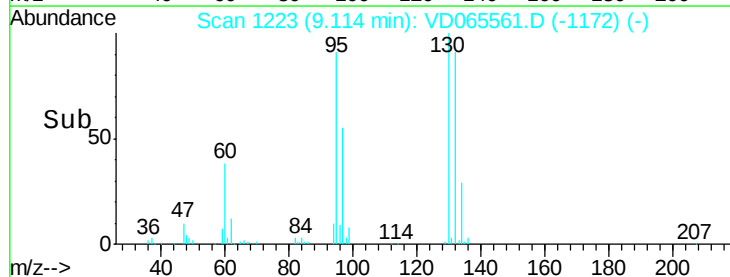
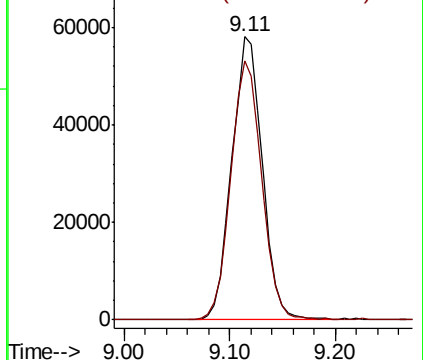
#44

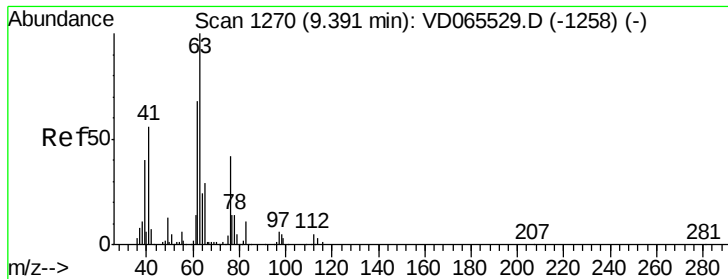
Trichloroethene
 Concen: 20.686 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion	130	Resp	116069
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
130	100		
95	91.4	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: 21.076 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

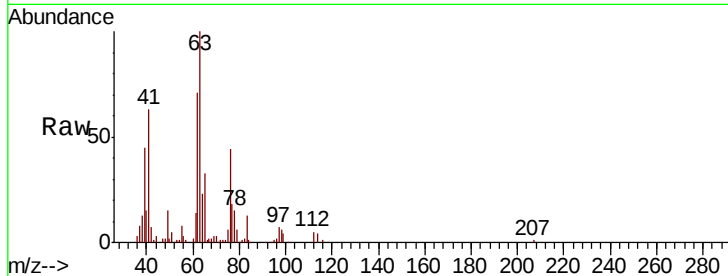
ClientSampled :

Tot Ion: 63 Resp: 99003

Ion Ratio Lower Upper

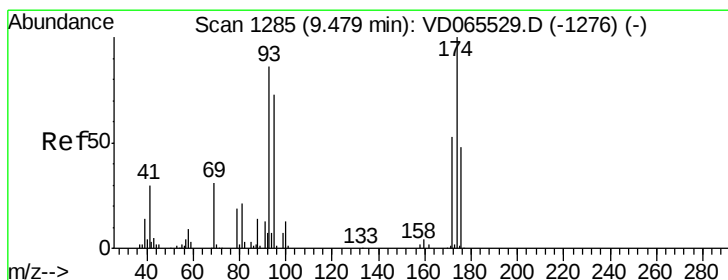
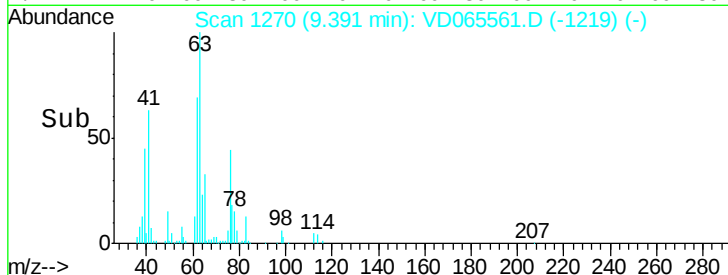
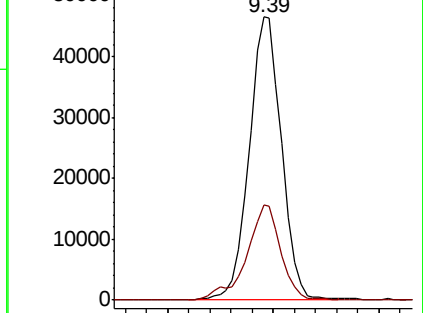
63 100

65 33.4 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.553 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

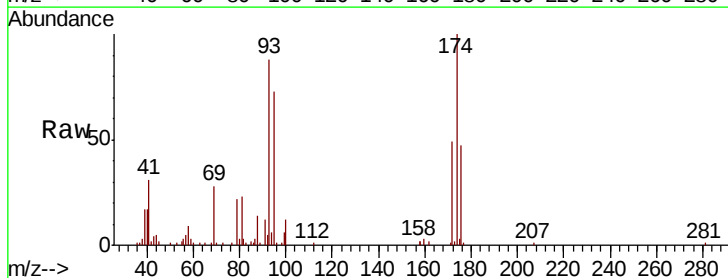
Tgt Ion: 93 Resp: 50661

Ion Ratio Lower Upper

93 100

95 84.4 67.3 100.9

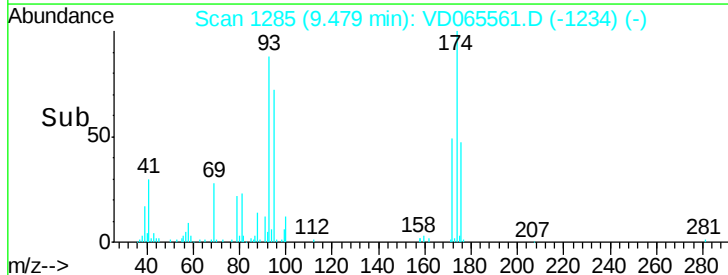
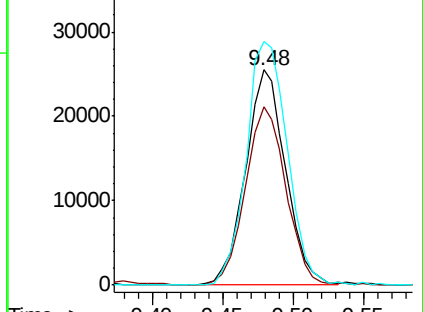
174 116.4 92.5 138.7

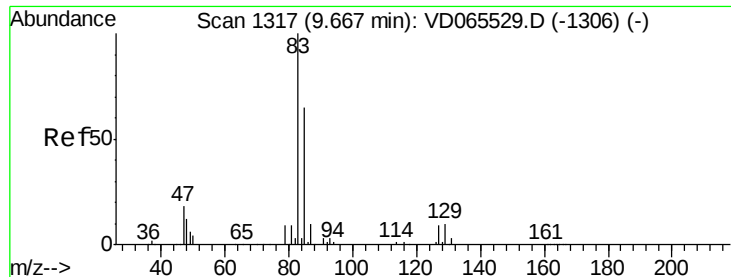


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.917 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

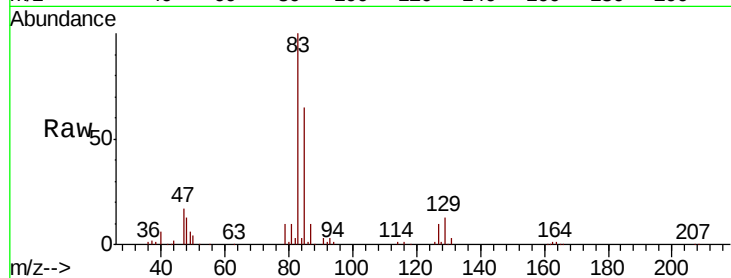
Tot Ion: 83 Resp: 136588

Ion Ratio Lower Upper

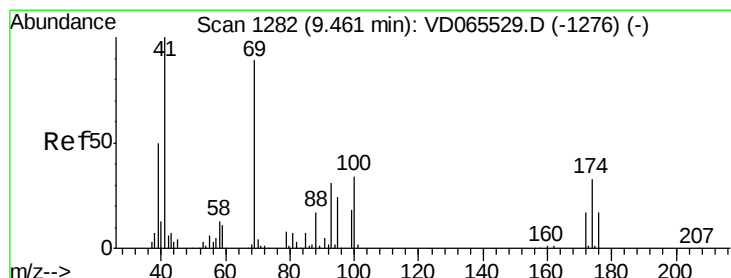
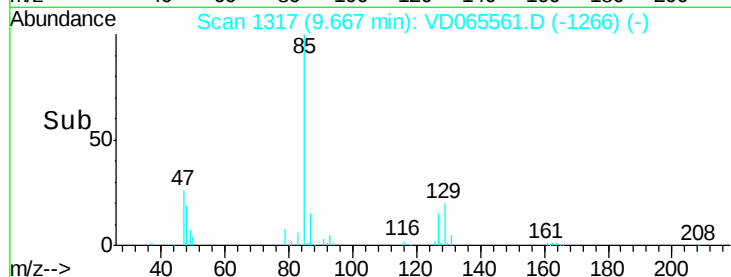
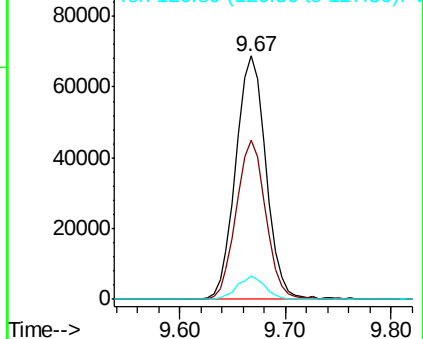
83 100

85 65.5 52.2 78.2

127 9.7 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: 18.178 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

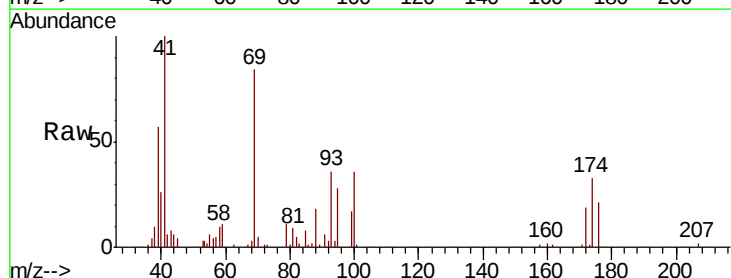
Tgt Ion: 41 Resp: 40715

Ion Ratio Lower Upper

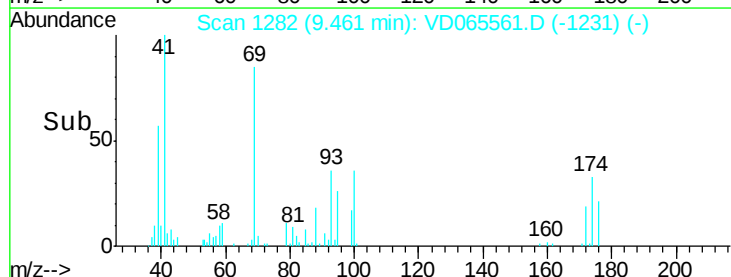
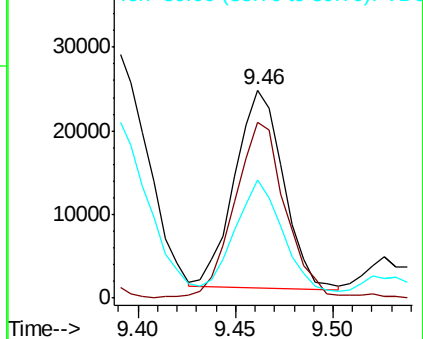
41 100

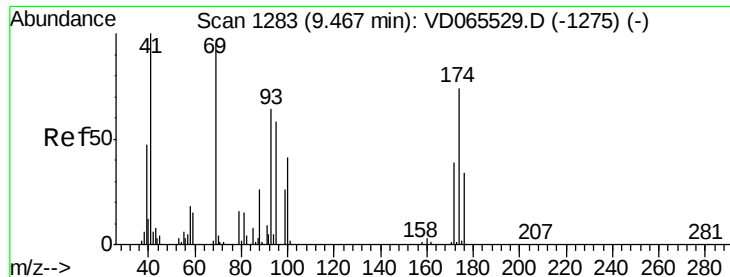
69 94.7 71.8 107.6

39 62.4 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: 392.755 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

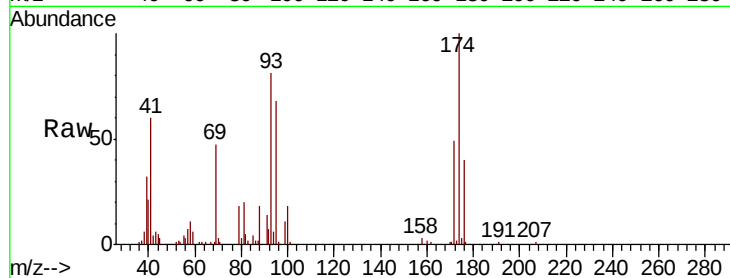
Tot Ion: 88 Resp: 10527

Ion Ratio Lower Upper

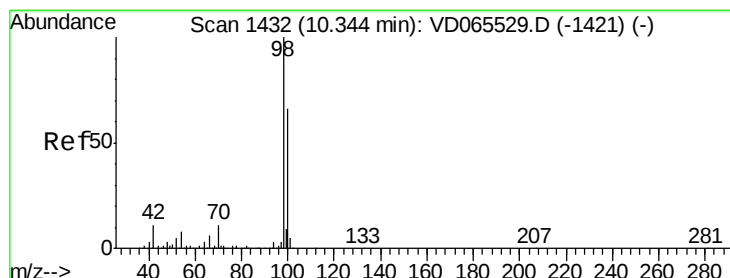
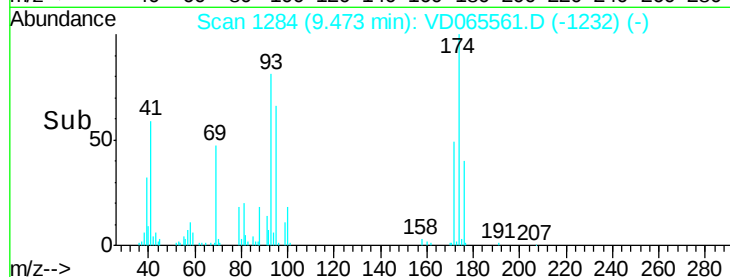
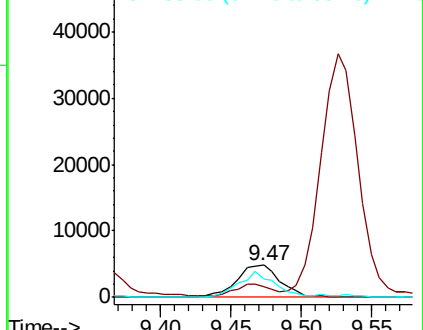
88 100

43 28.8 26.0 39.0

58 67.0 54.6 82.0



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



#50

Toluene-d8

Concen: 51.195 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065561.D

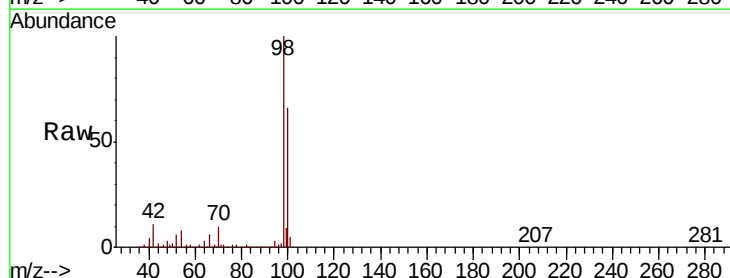
Acq: 31 Mar 2020 12:55

Tgt Ion: 98 Resp: 879937

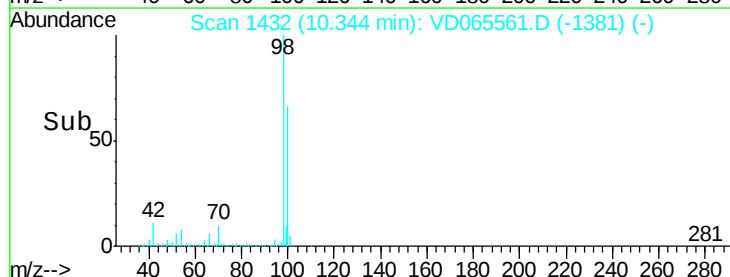
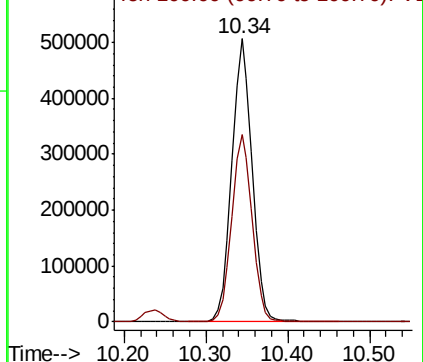
Ion Ratio Lower Upper

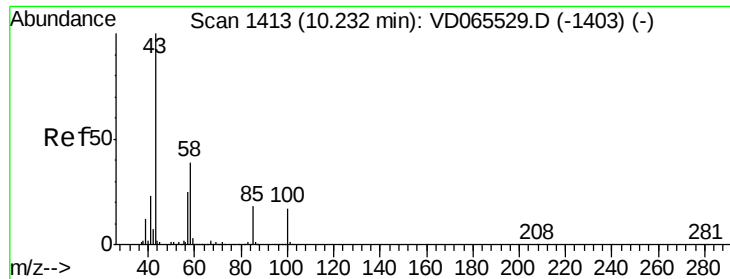
98 100

100 66.4 52.2 78.2



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

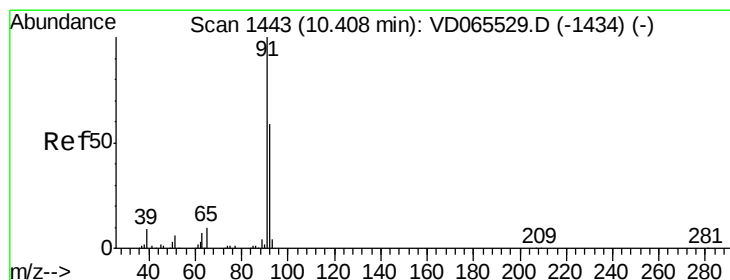
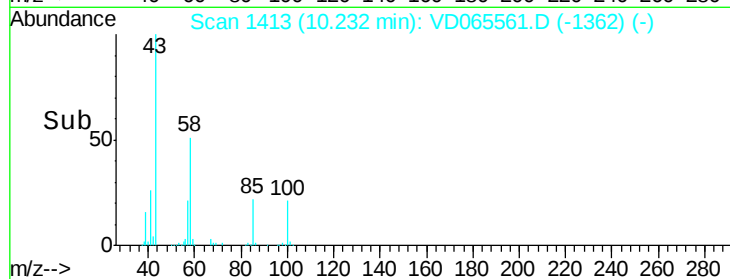
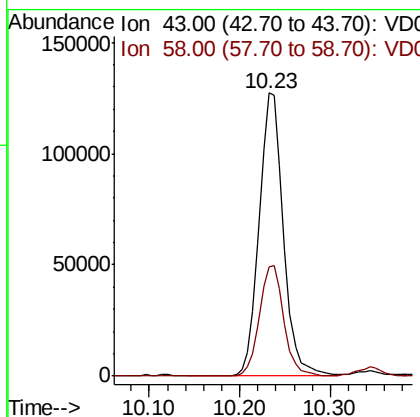
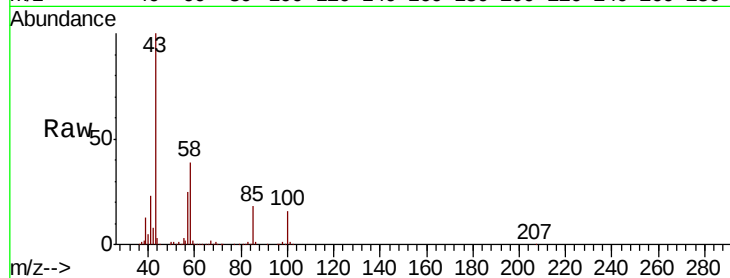




#51
4-Methyl-2-Pentanone
Concen: 100.106 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

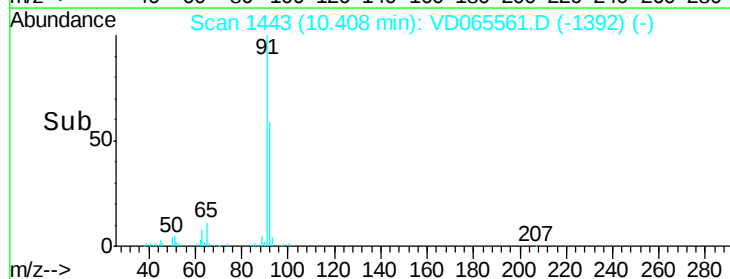
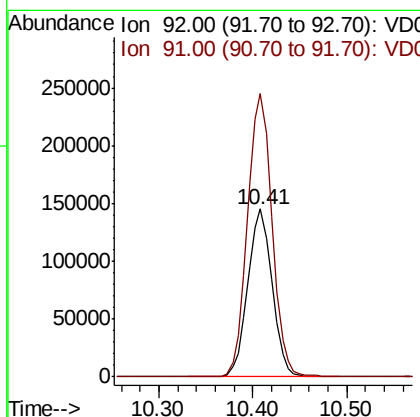
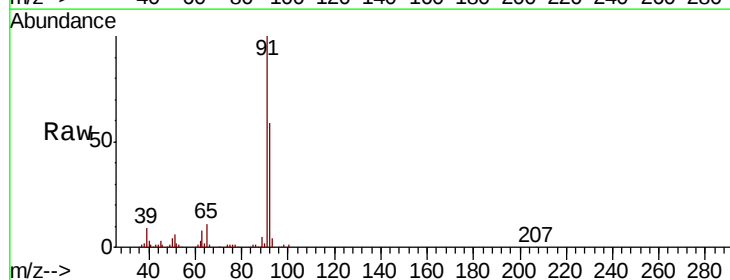
Instrument :
MSVOA_D
ClientSampleID :

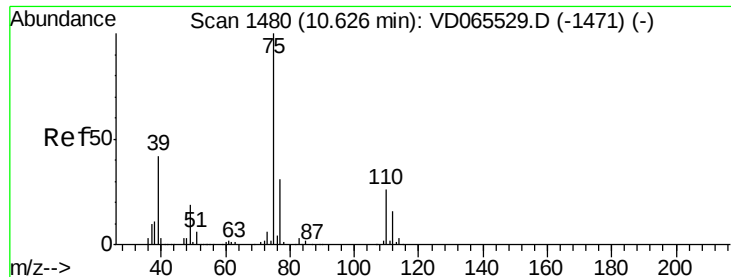
Tot Ion: 43 Resp: 237971
Ion Ratio Lower Upper
43 100
58 39.1 31.4 47.2



#52
Toluene
Concen: 21.301 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 92 Resp: 260867
Ion Ratio Lower Upper
92 100
91 170.8 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 19.886 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

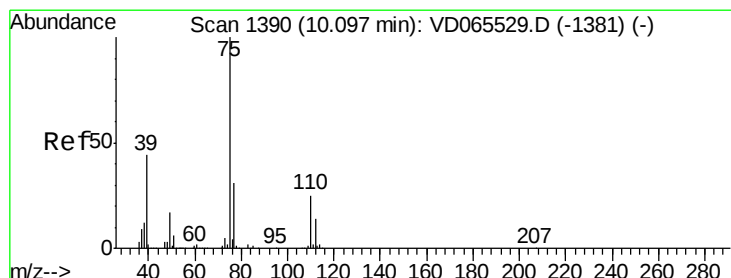
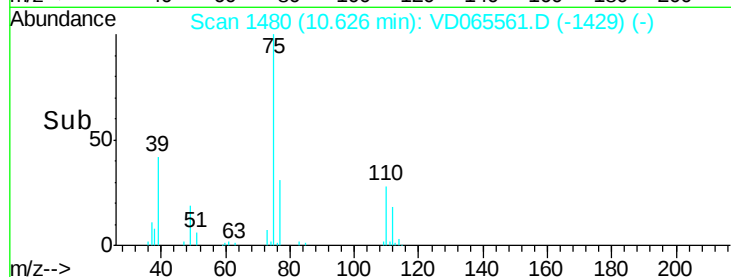
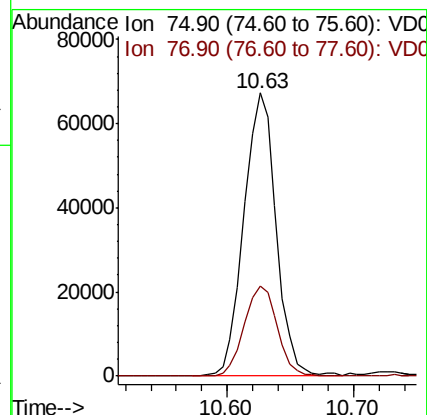
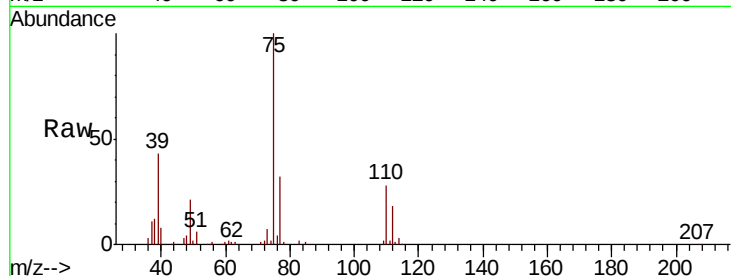
ClientSampleId :

Tot Ion: 75 Resp: 118765

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.500 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

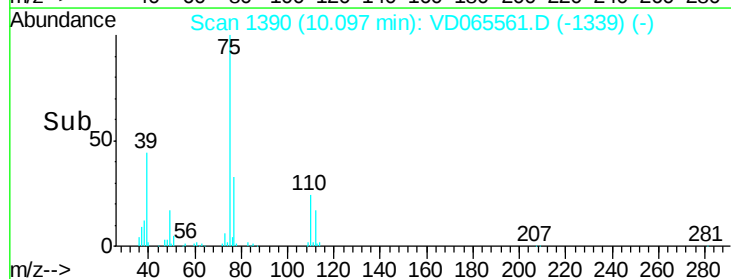
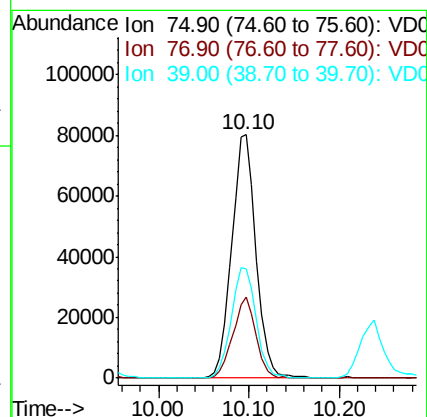
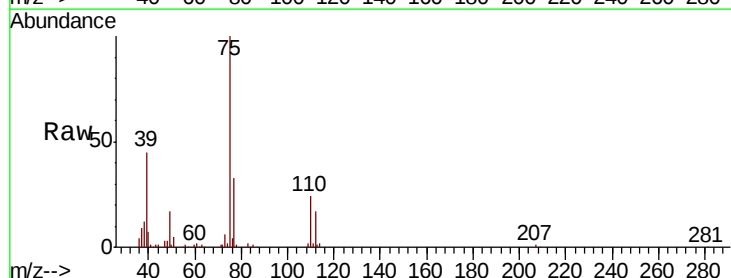
Tgt Ion: 75 Resp: 149796

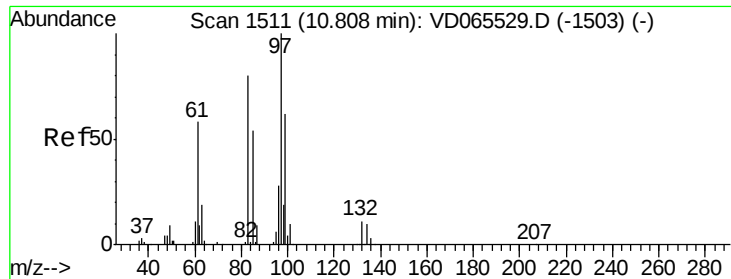
Ion Ratio Lower Upper

75 100

77 33.4 24.6 36.8

39 44.4 35.4 53.2

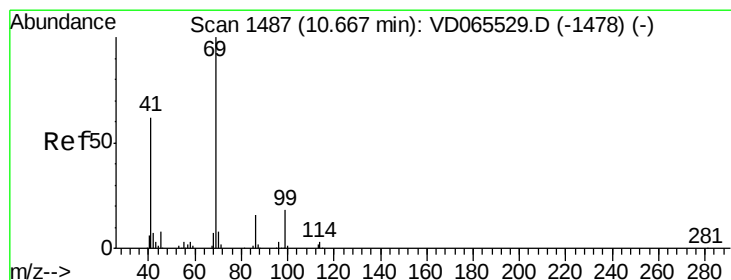
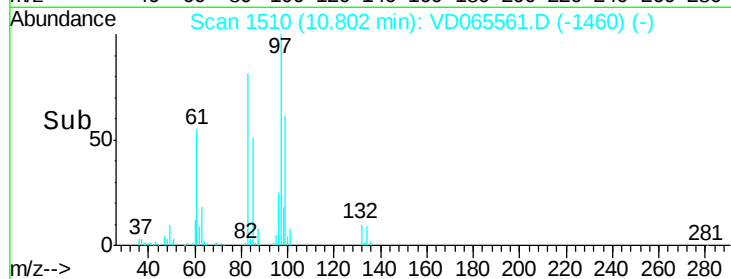
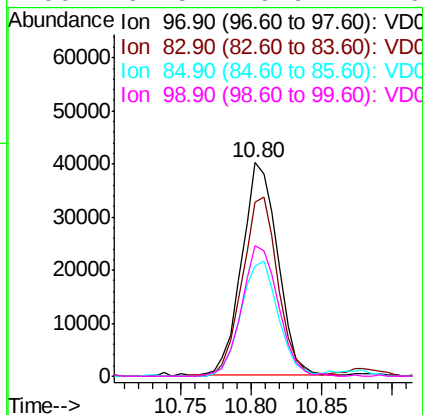
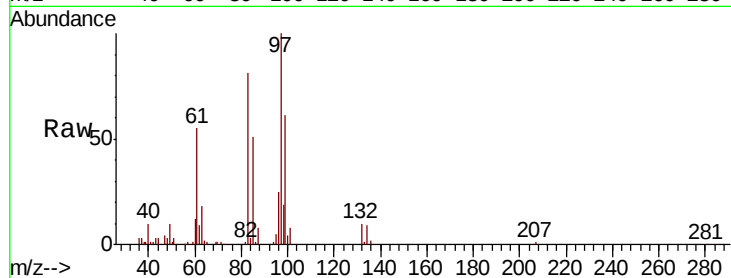




#55
 1,1,2-Trichloroethane
 Concen: 20.322 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

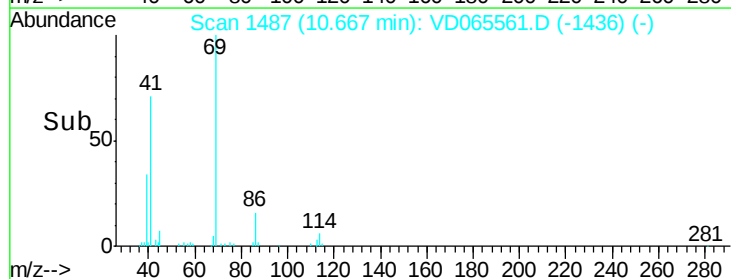
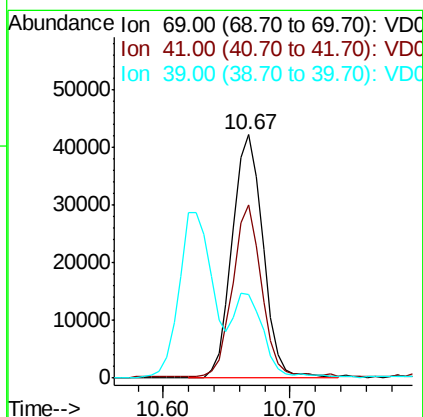
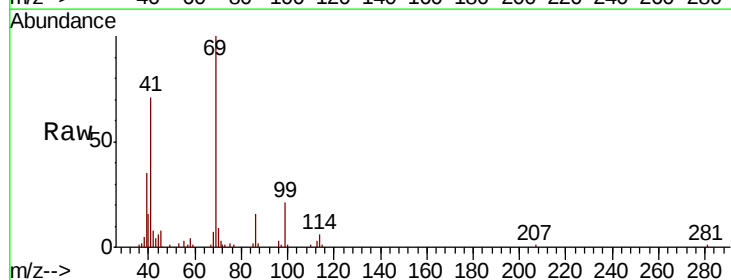
Instrument :
 MSVOA_D
 ClientSampleId :

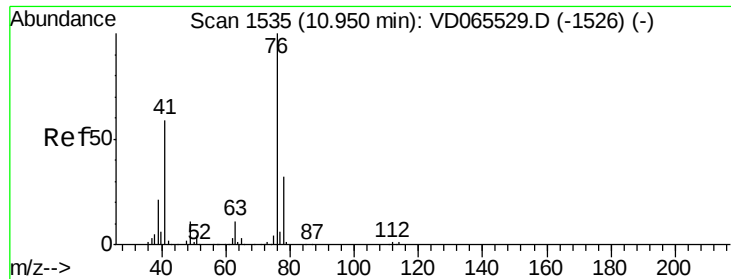
Tot Ion:	97	Resp:	71459
Ion	Ratio	Lower	Upper
97	100		
83	81.8	63.8	95.6
85	51.6	42.9	64.3
99	61.5	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 18.809 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion:	69	Resp:	71326
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.3	76.9
39	32.7	25.3	37.9

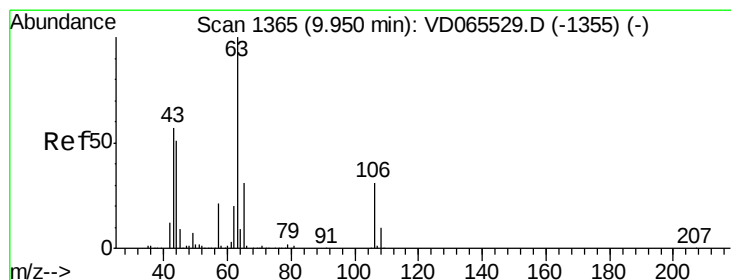
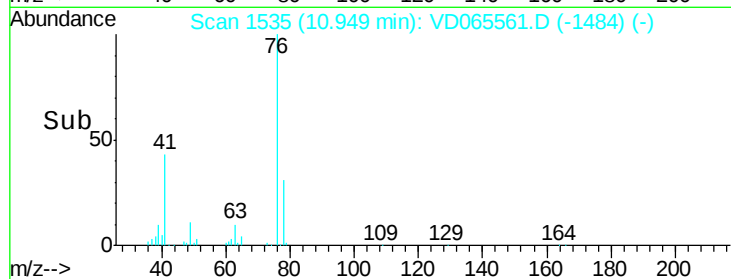
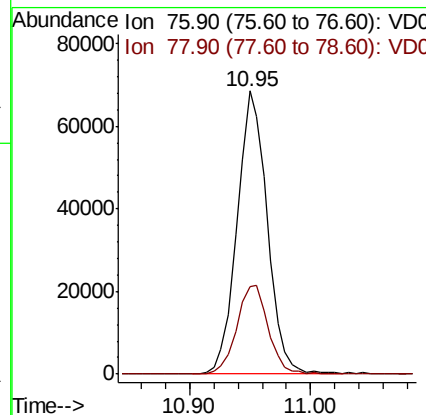
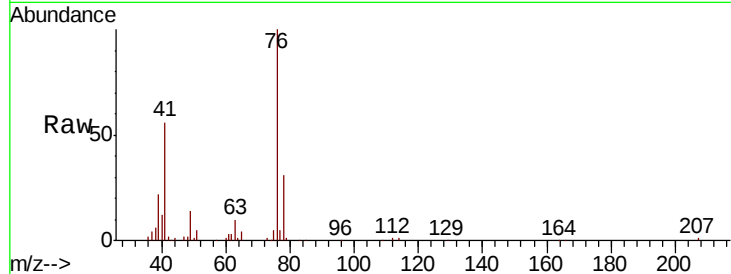




#57
 1,3-Dichloropropane
 Concen: 20.165 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

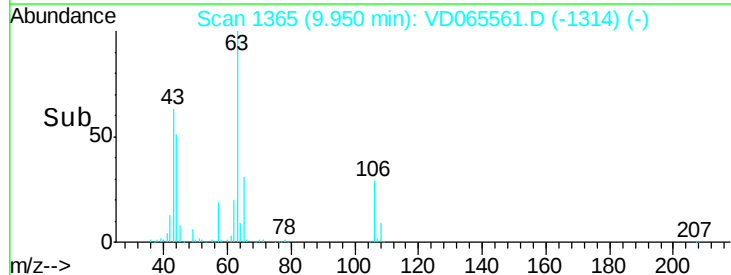
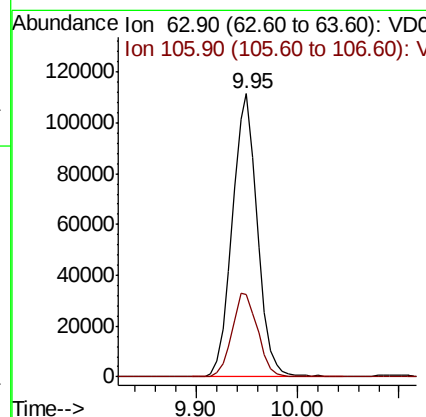
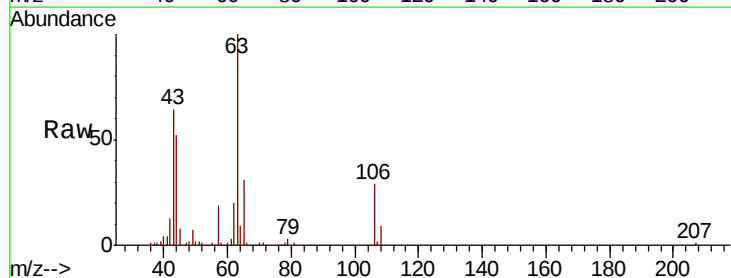
Instrument :
 MSVOA_D
 ClientSampleId :

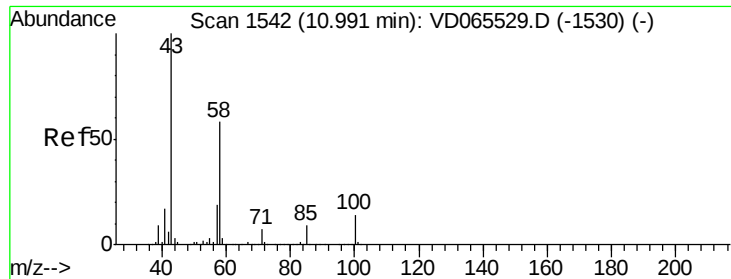
Tot Ion: 76 Resp: 119317
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.590 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion: 63 Resp: 190736
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.3 36.5

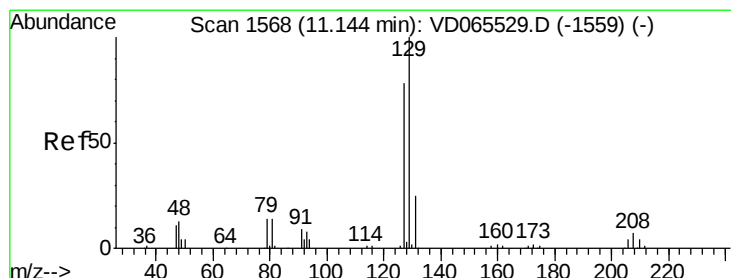
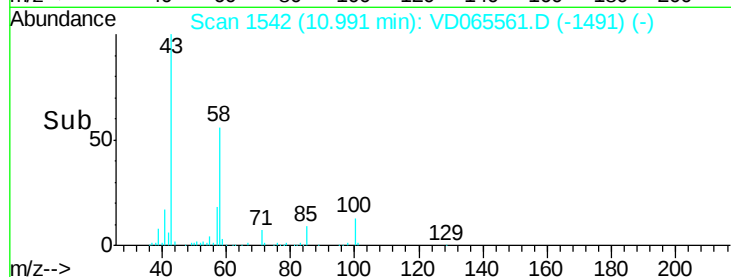
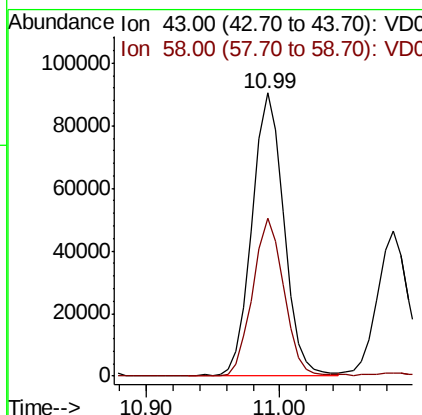
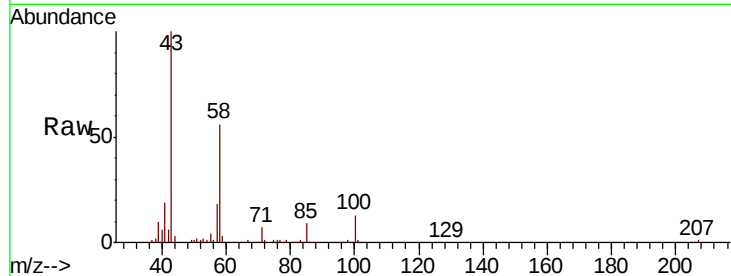




#59
2-Hexanone
Concen: 92.248 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

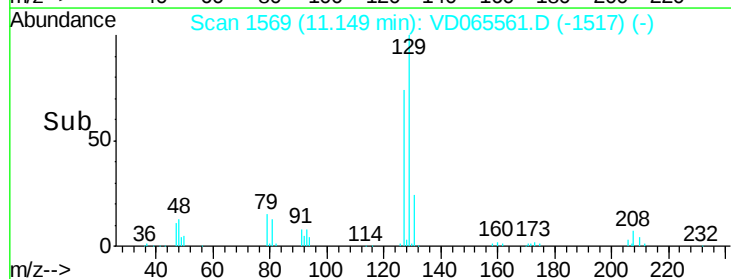
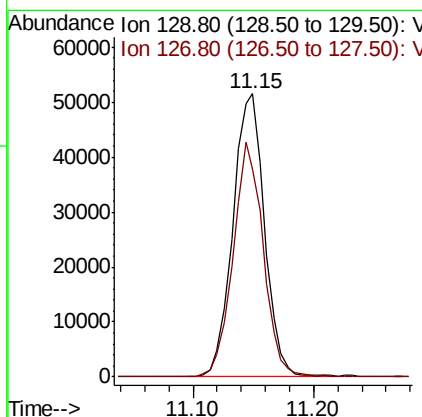
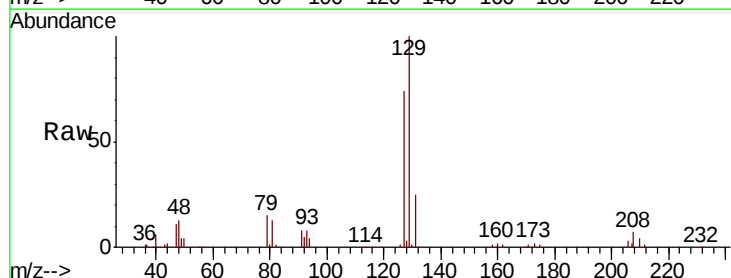
Instrument :
MSVOA_D
ClientSampleId :

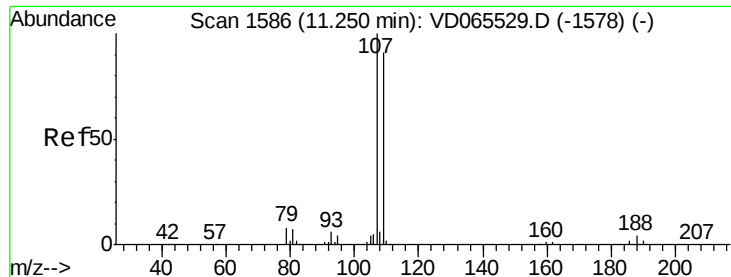
Tot Ion: 43 Resp: 149519
Ion Ratio Lower Upper
43 100
58 54.6 27.9 83.7



#60
Dibromochloromethane
Concen: 20.160 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 129 Resp: 93940
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.6

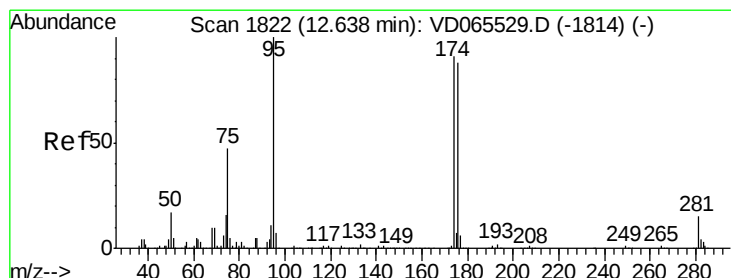
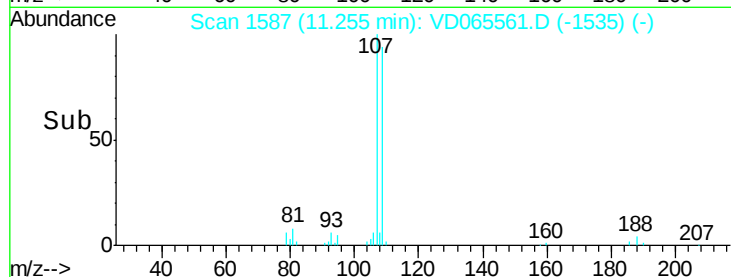
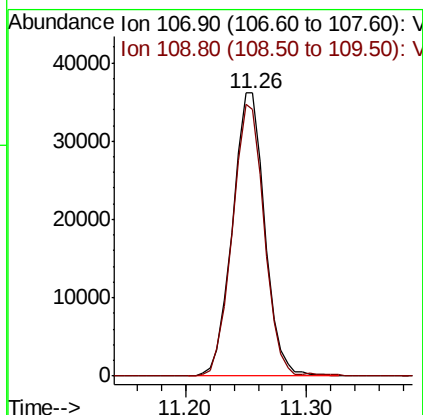
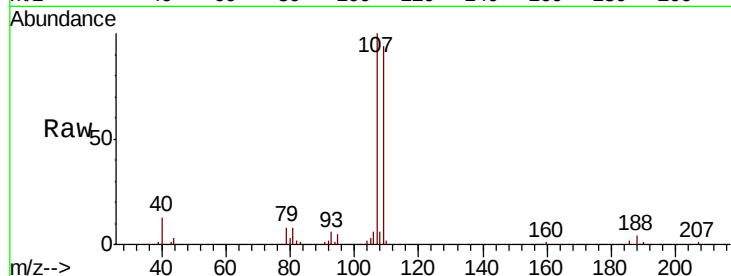




#61
 1,2-Dibromoethane
 Concen: 19.783 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

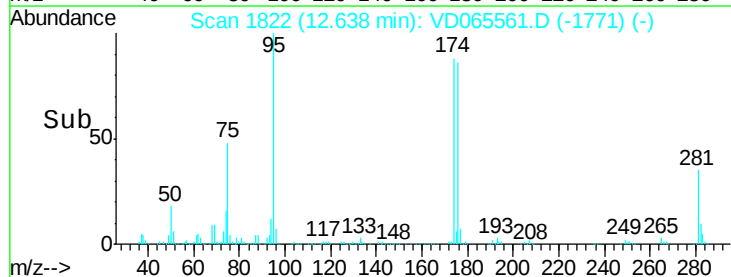
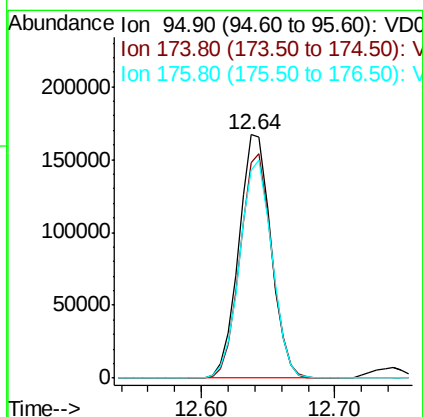
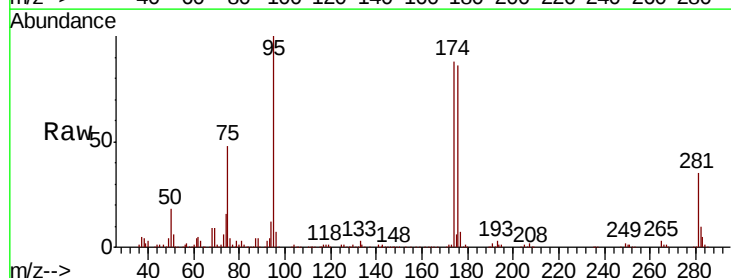
Instrument :
 MSVOA_D
 ClientSampleId :

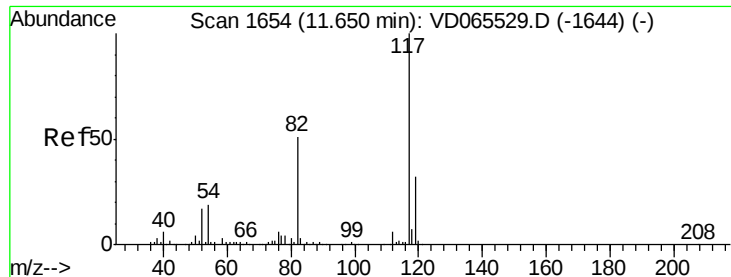
Tot Ion:107 Resp: 67324
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 51.023 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion: 95 Resp: 278344
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 183.8
 176 89.7 0.0 178.2

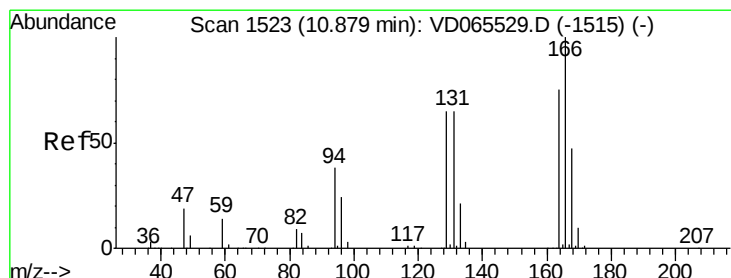
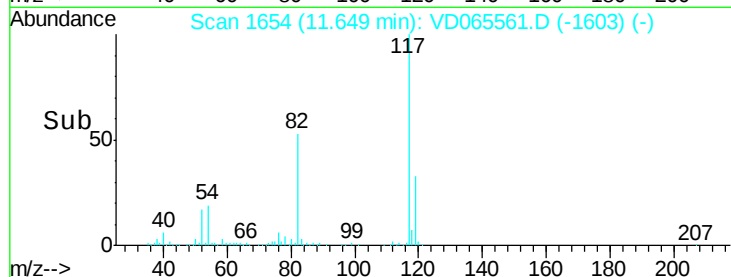
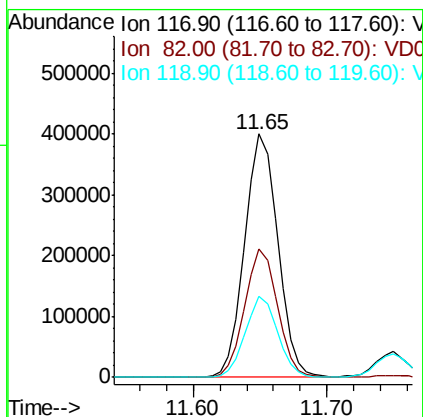
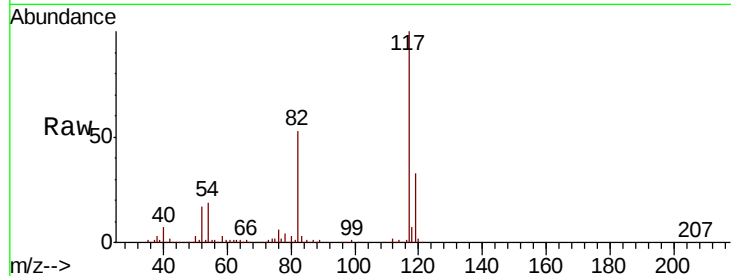




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

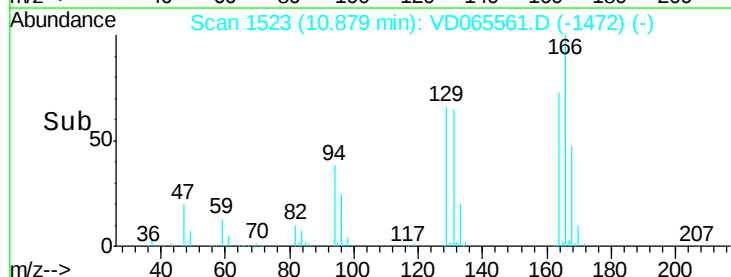
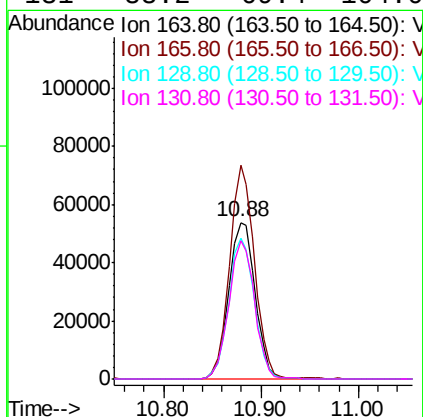
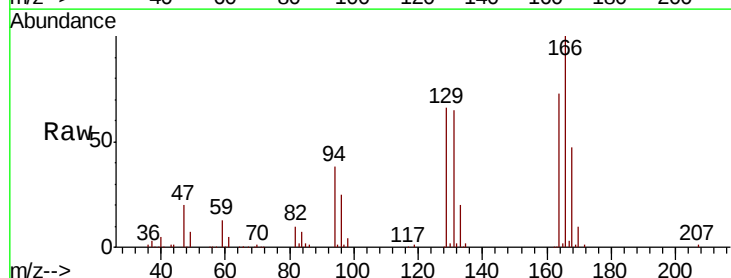
Instrument :
MSVOA_D
ClientSampleId :

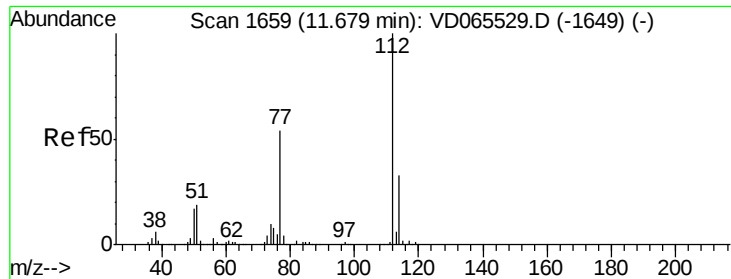
Tot Ion:117 Resp: 688640
Ion Ratio Lower Upper
117 100
82 52.9 41.0 61.6
119 33.4 25.5 38.3



#64
Tetrachloroethene
Concen: 20.542 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion:164 Resp: 101332
Ion Ratio Lower Upper
164 100
166 136.5 107.1 160.7
129 90.0 69.2 103.8
131 88.2 69.4 104.0

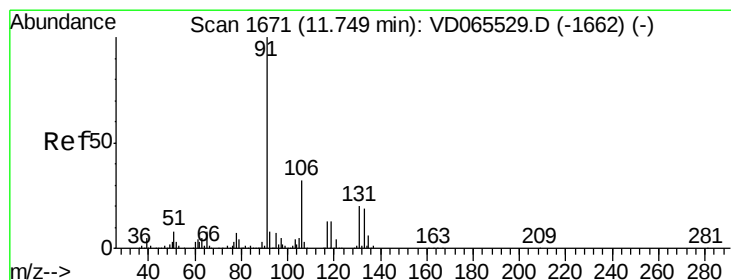
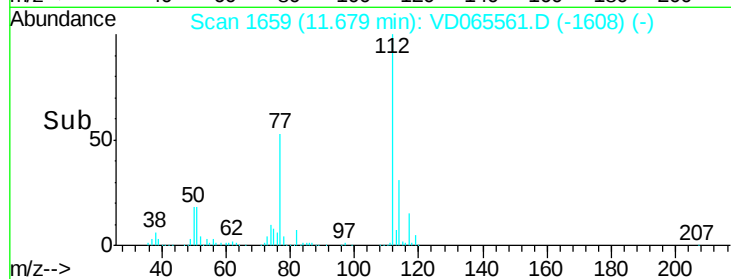
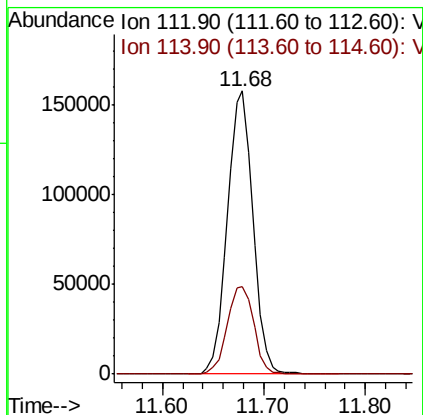
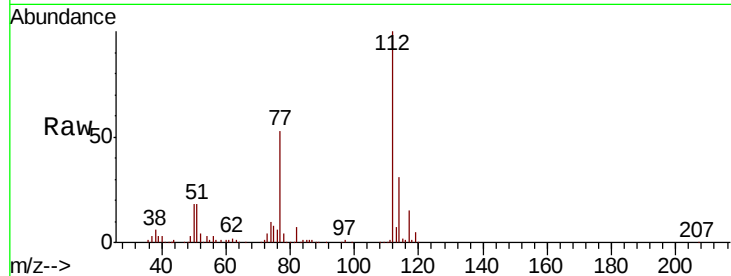




#65
Chlorobenzene
Concen: 20.523 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

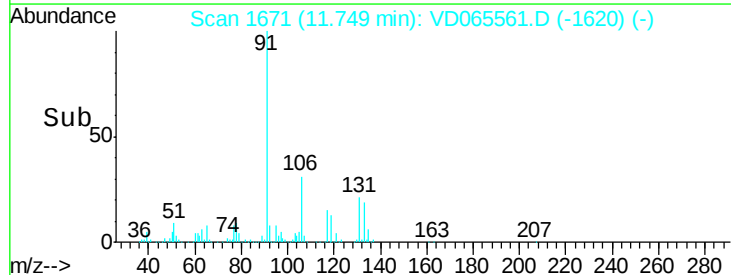
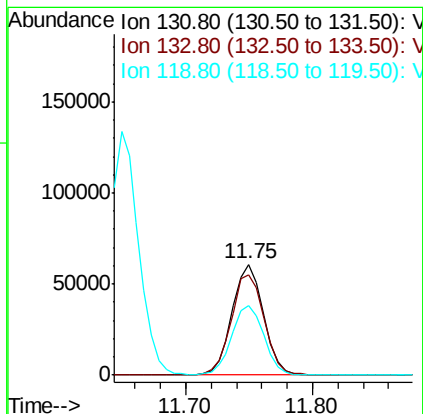
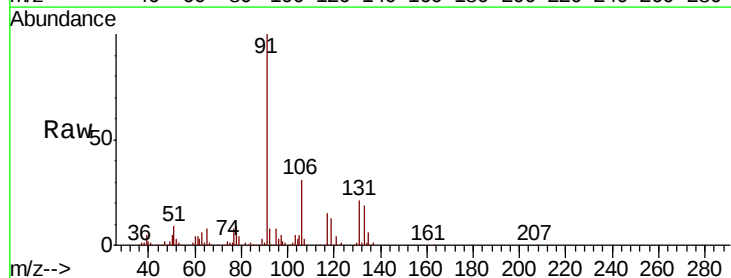
Instrument :
MSVOA_D
ClientSampleId :

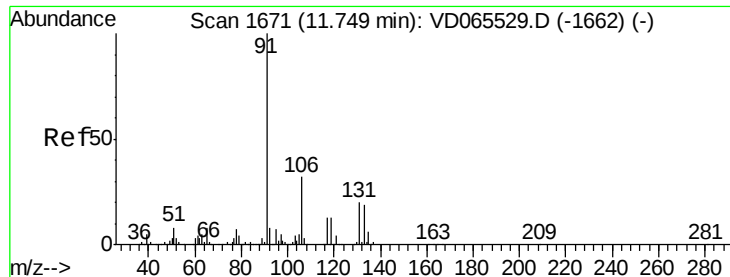
Tot Ion:112 Resp: 276297
Ion Ratio Lower Upper
112 100
114 30.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.789 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion:131 Resp: 104371
Ion Ratio Lower Upper
131 100
133 94.6 48.9 146.7
119 64.6 32.5 97.4





#67

Ethyl Benzene

Concen: 20.558 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

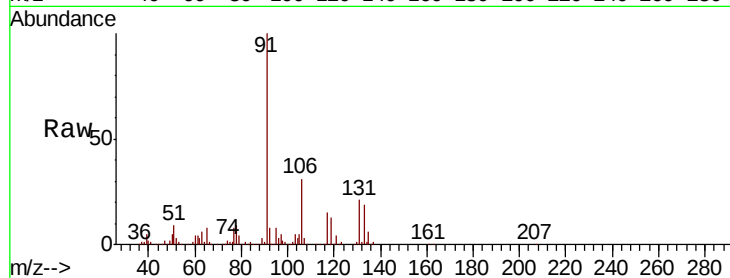
ClientSampleId :

Tot Ion: 91 Resp: 466157

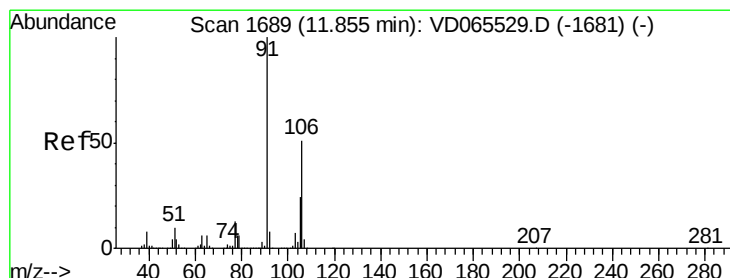
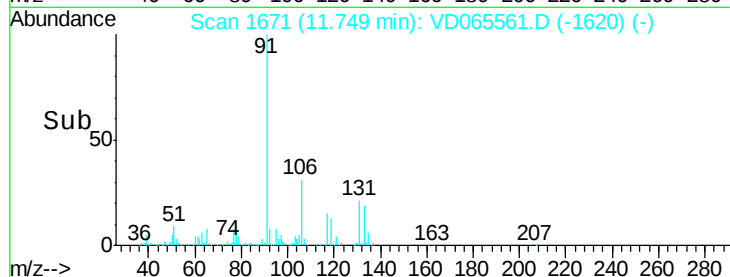
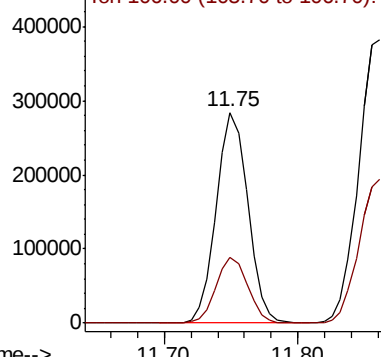
Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.776 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065561.D

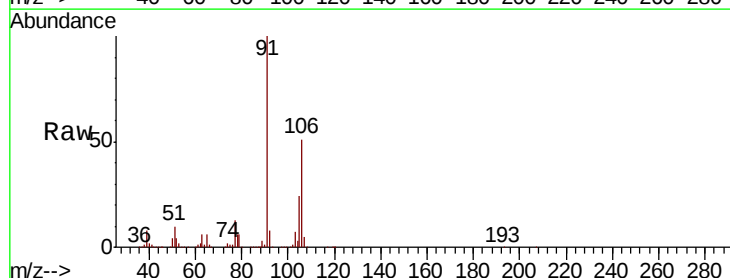
Acq: 31 Mar 2020 12:55

Tgt Ion: 106 Resp: 371955

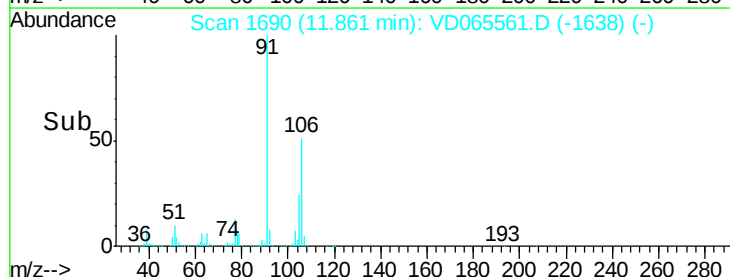
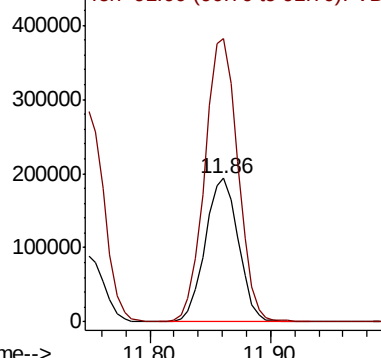
Ion Ratio Lower Upper

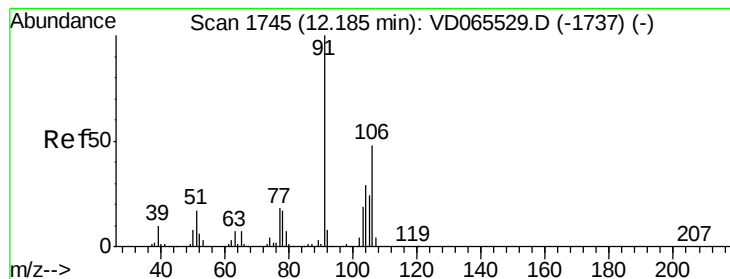
106 100

91 197.0 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): V





#69

o-Xylene

Concen: 20.407 ug/l

RT: 12.19 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

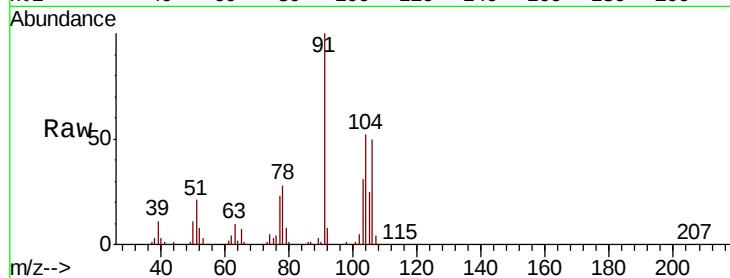
ClientSampled :

Tot Ion:106 Resp: 159122

Ion Ratio Lower Upper

106 100

91 206.3 102.8 308.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

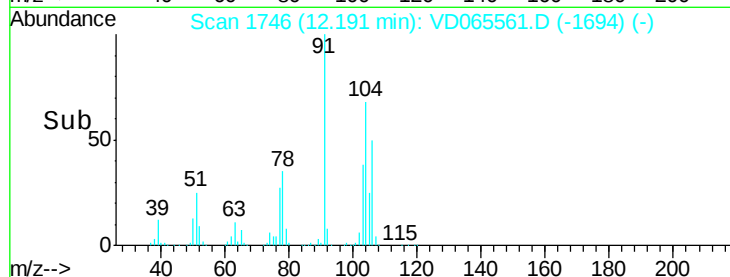
100000

50000

0

12.10 12.20

Time-->



#70

Styrene

Concen: 20.882 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

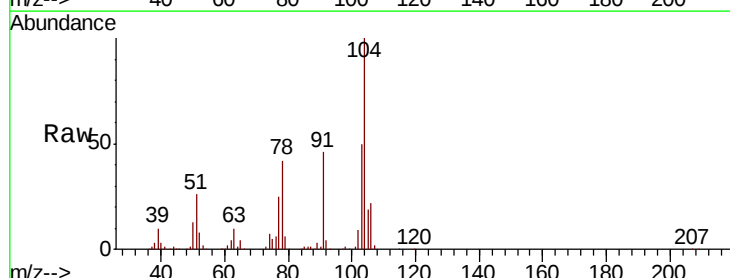
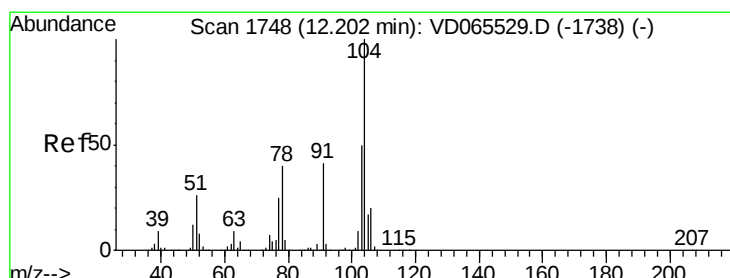
Tgt Ion:104 Resp: 287599

Ion Ratio Lower Upper

104 100

78 46.6 36.6 55.0

103 54.3 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

200000

150000

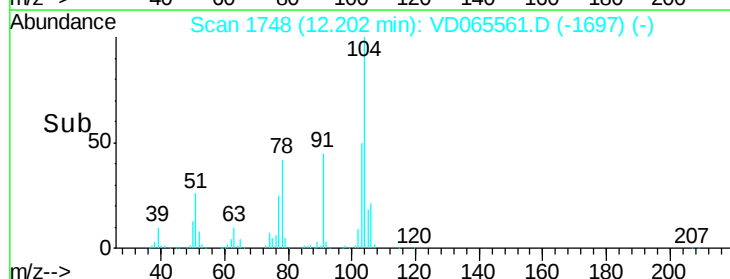
100000

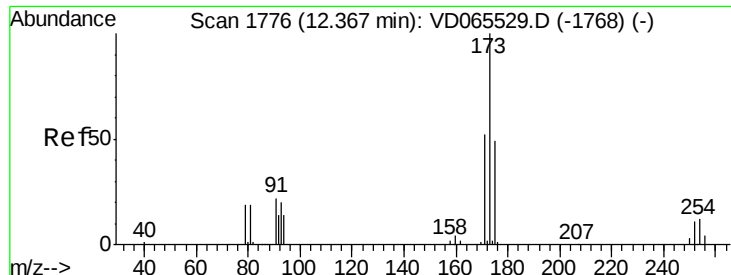
50000

0

12.10 12.20 12.30

Time-->

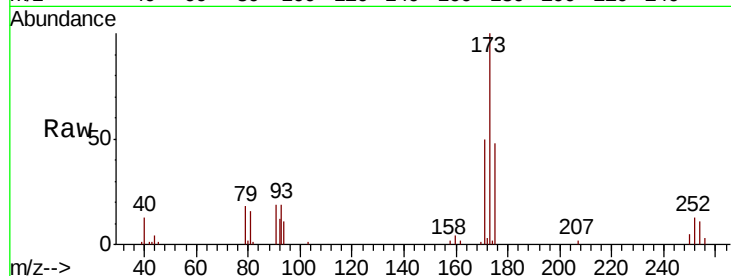




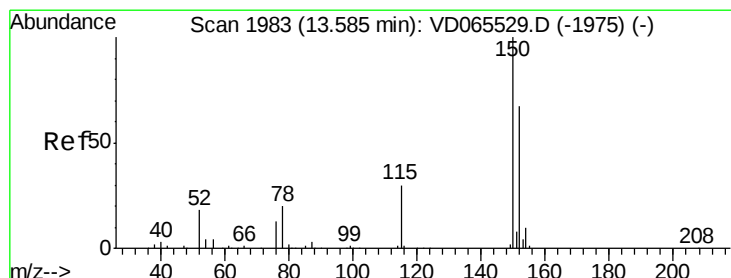
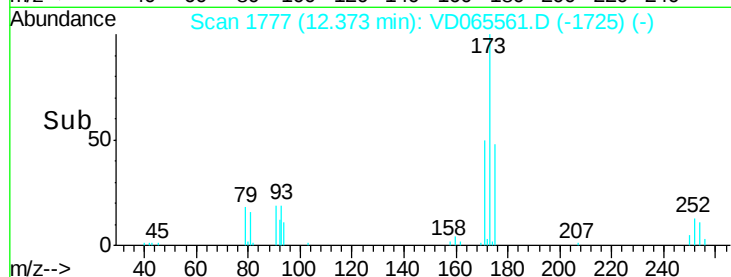
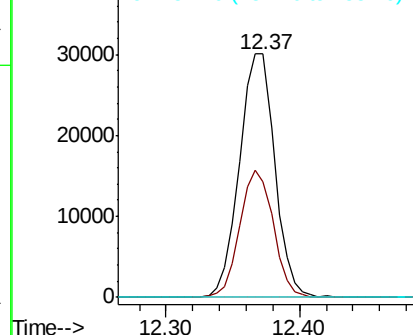
#71
Bromoform
Concen: 19.930 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.01 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 55190
Ion Ratio Lower Upper
173 100
175 49.5 24.3 72.8
254 0.0 0.0 0.0

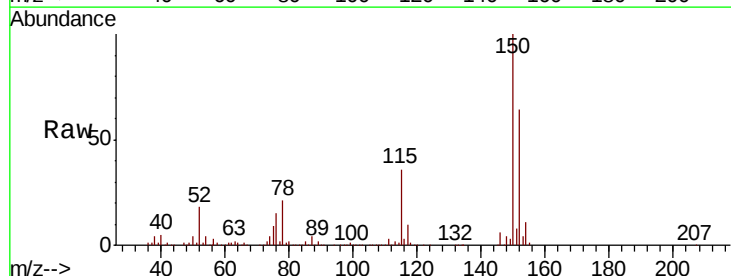


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

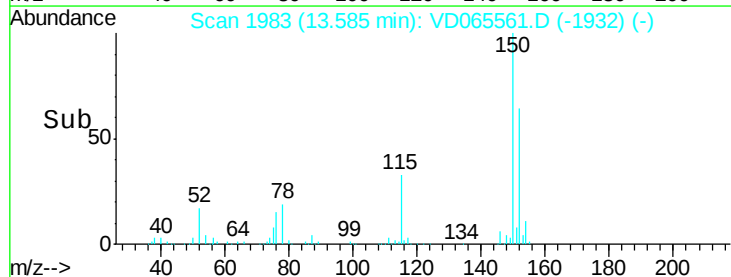
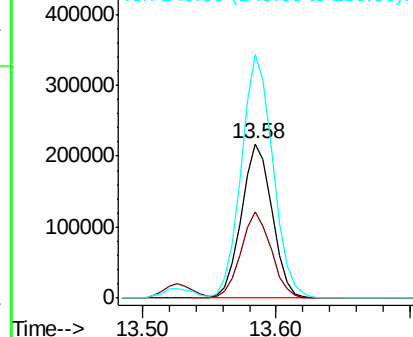


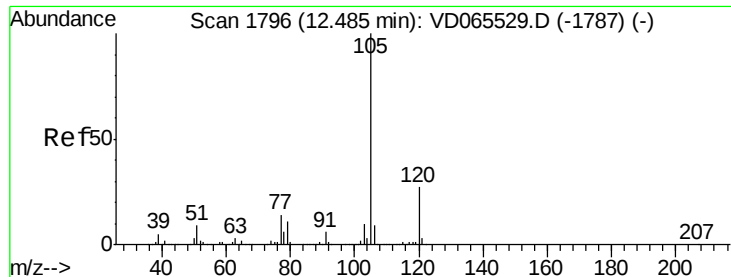
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion:152 Resp: 344976
Ion Ratio Lower Upper
152 100
115 55.3 27.2 81.6
150 163.1 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: 20.444 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

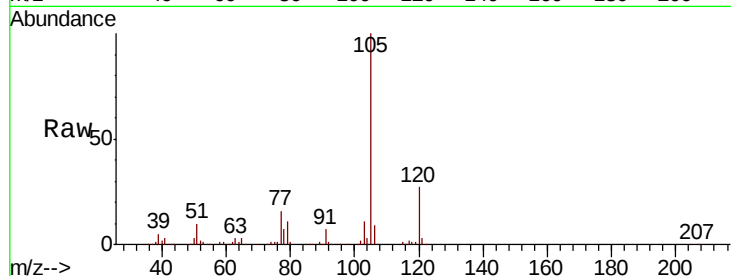
ClientSampleId :

Tot Ion:105 Resp: 433051

Ion Ratio Lower Upper

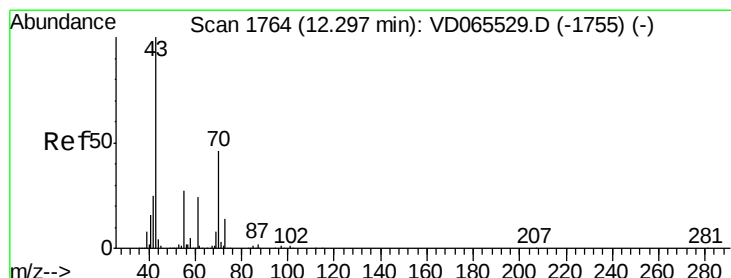
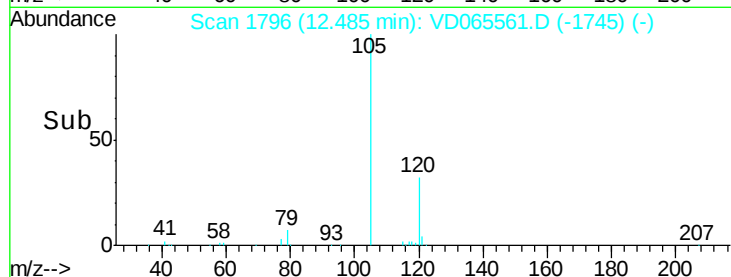
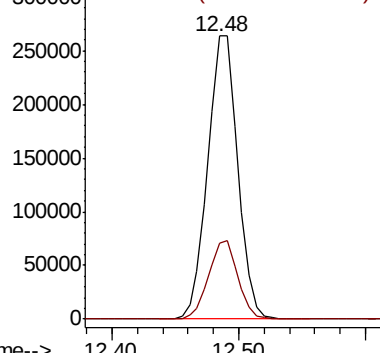
105 100

120 27.0 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.364 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Tgt Ion: 43 Resp: 76769

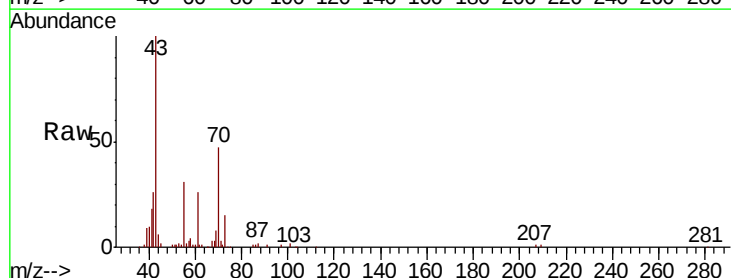
Ion Ratio Lower Upper

43 100

70 46.5 36.2 54.2

55 30.8 22.2 33.4

61 24.2 19.5 29.3

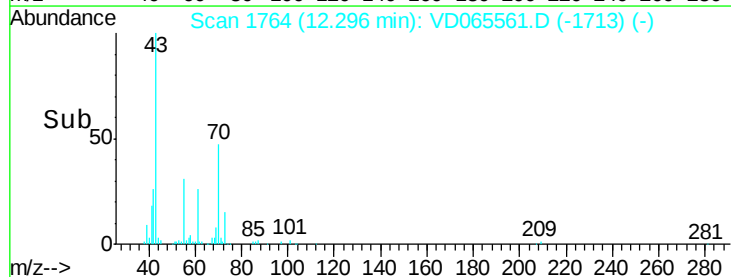
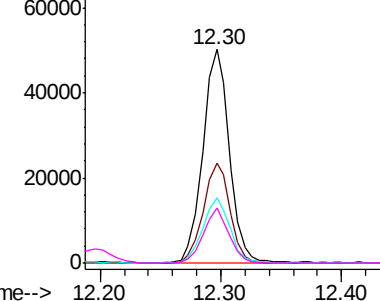


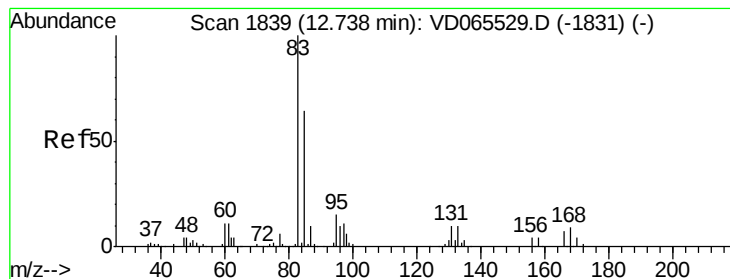
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.198 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampled :

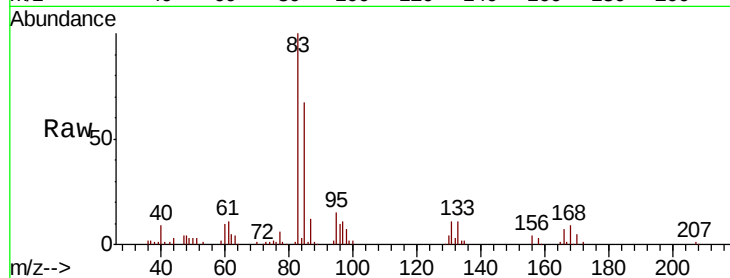
Tot Ion: 83 Resp: 74317

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

85 64.3 32.6 98.0



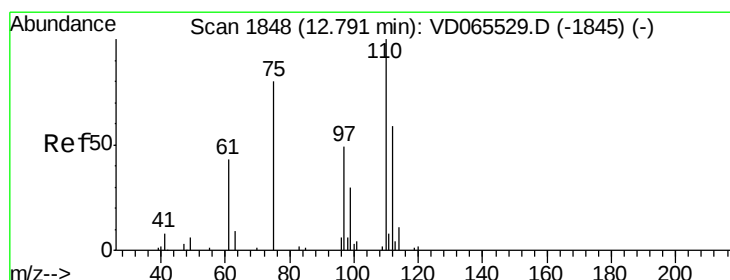
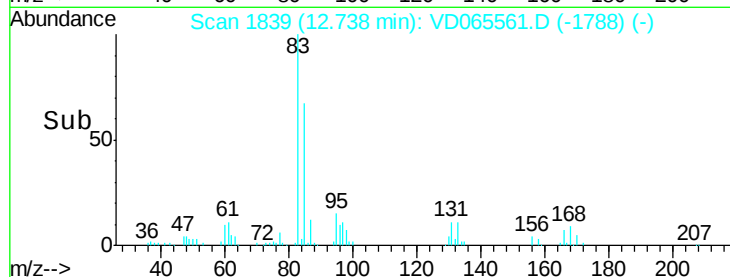
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.74

Time-->



#76

1,2,3-Trichloropropane

Concen: 35.372 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065561.D

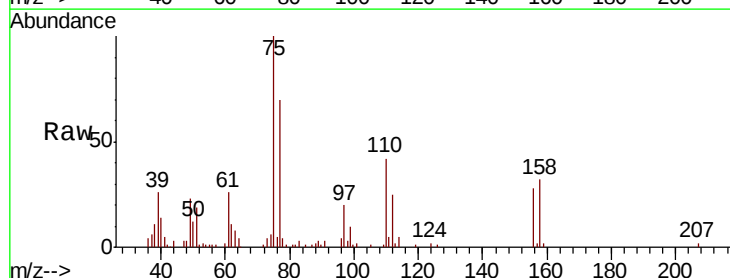
Acq: 31 Mar 2020 12:55

Tgt Ion: 75 Resp: 93813

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

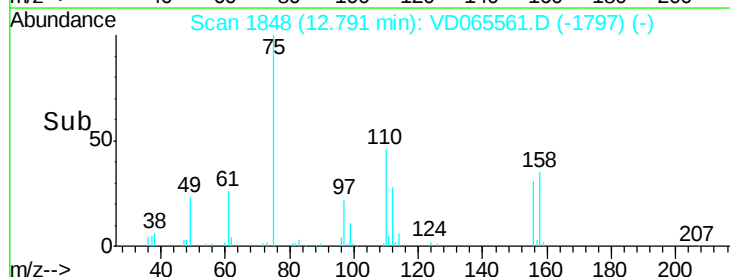


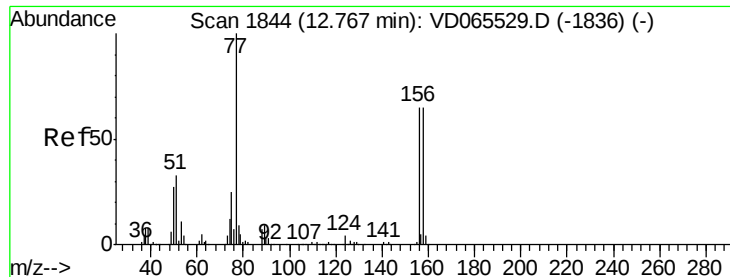
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.79

Time-->





#77

Bromobenzene

Concen: 20.852 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampled :

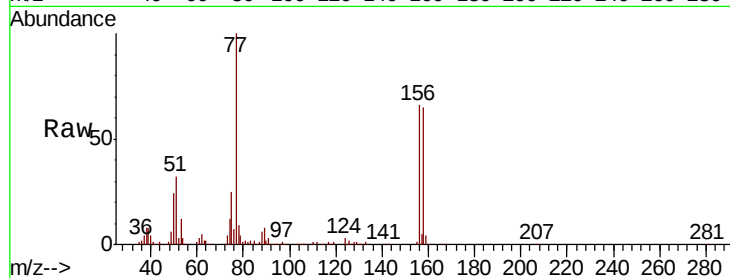
Tot Ion:156 Resp: 115422

Ion Ratio Lower Upper

156 100

77 162.9 81.8 245.3

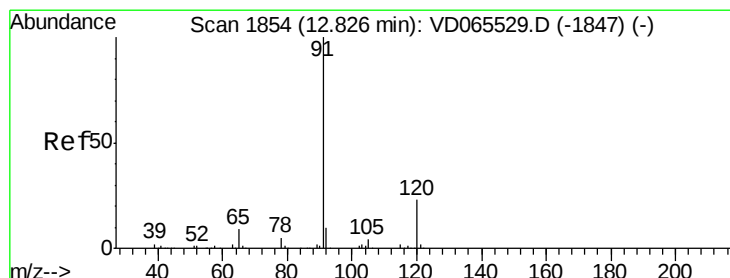
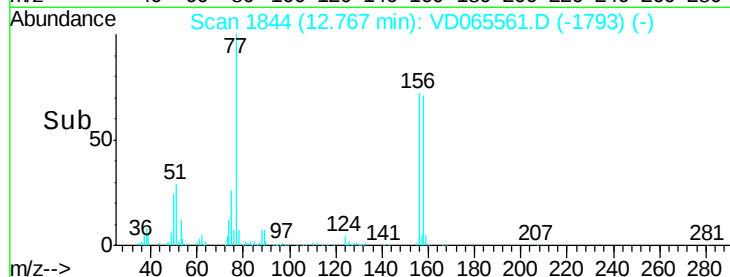
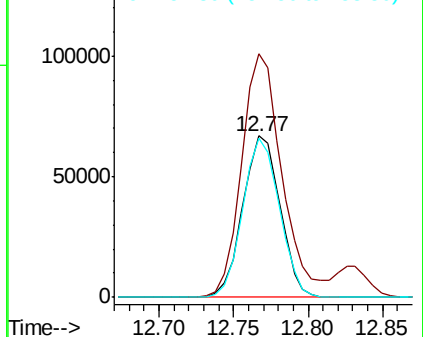
158 97.4 49.1 147.4



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: 21.085 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065561.D

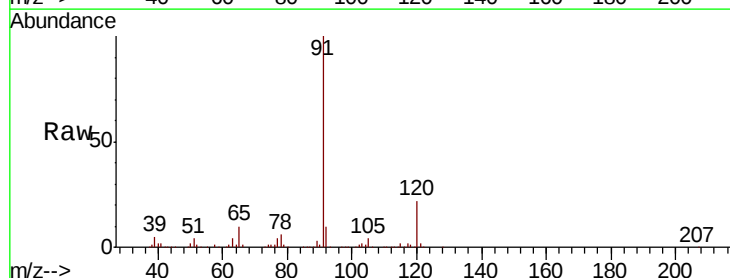
Acq: 31 Mar 2020 12:55

Tgt Ion: 91 Resp: 532374

Ion Ratio Lower Upper

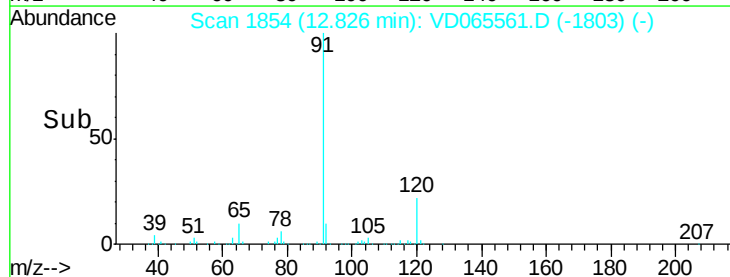
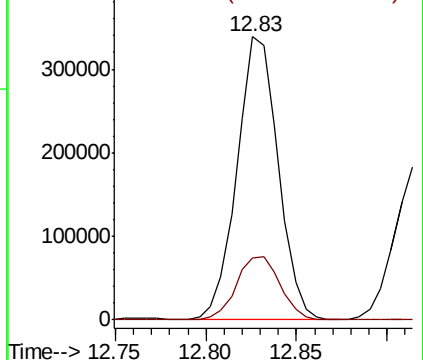
91 100

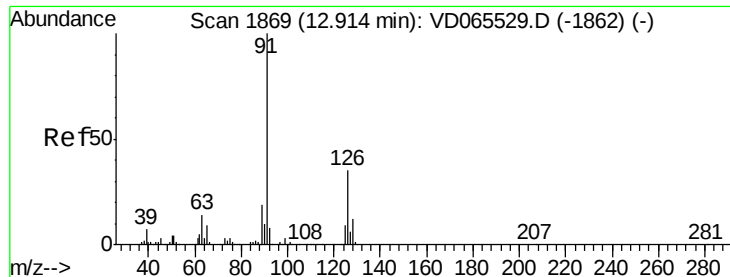
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

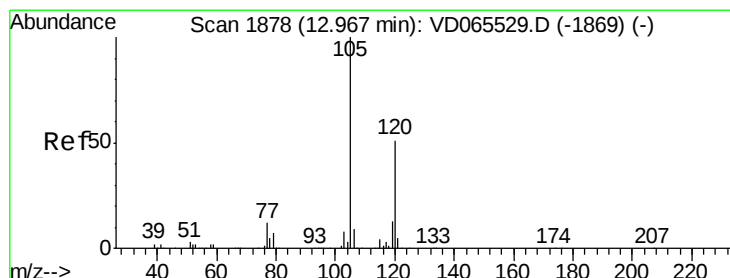
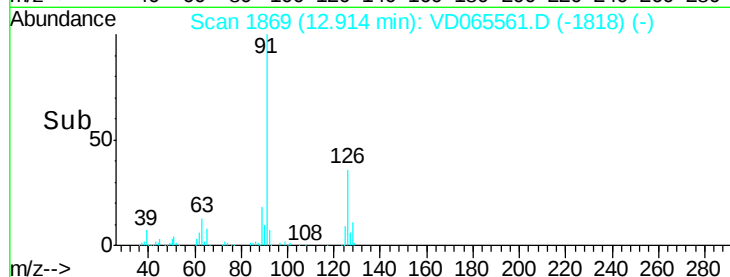
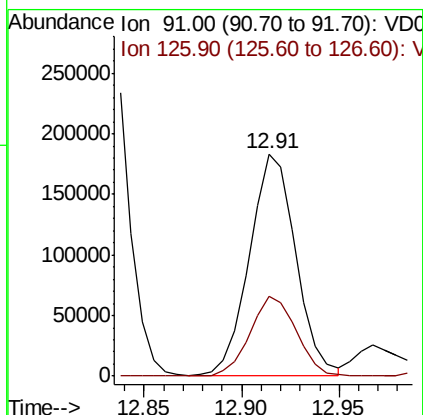
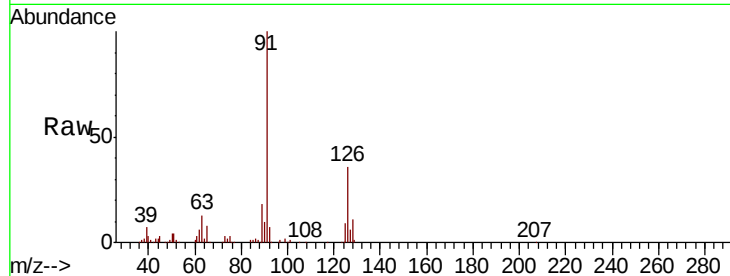




#79
 2-Chlorotoluene
 Concen: 20.824 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

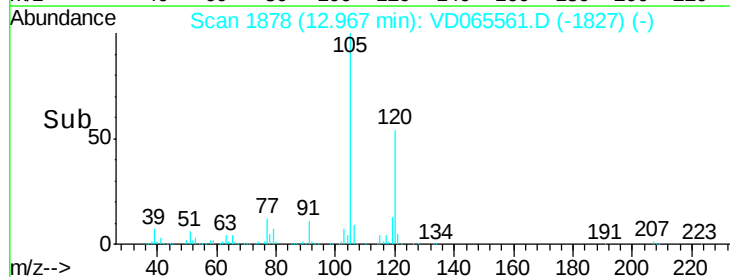
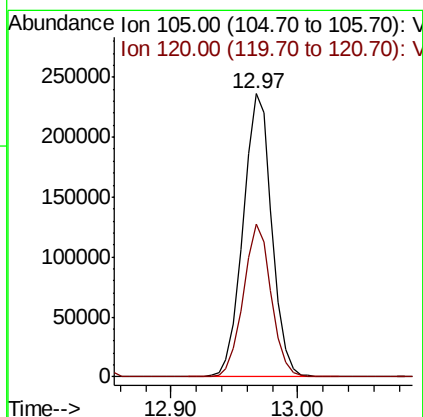
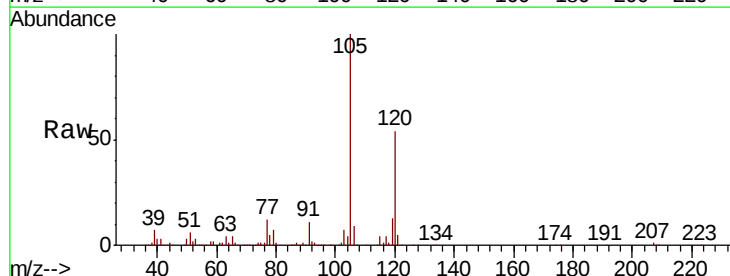
Instrument :
 MSVOA_D
 ClientSampled :

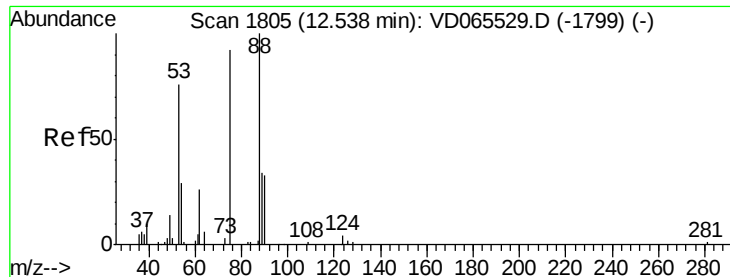
Tot Ion: 91 Resp: 299962
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.963 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion: 105 Resp: 368053
 Ion Ratio Lower Upper
 105 100
 120 52.6 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.471 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

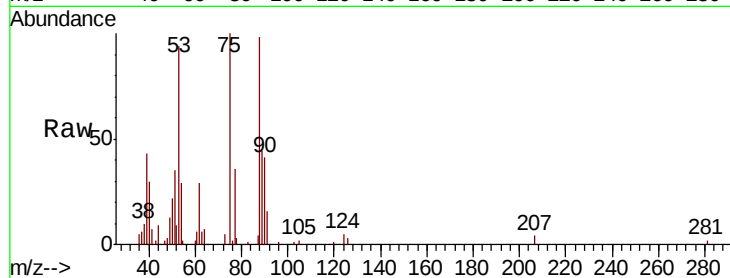
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 21946

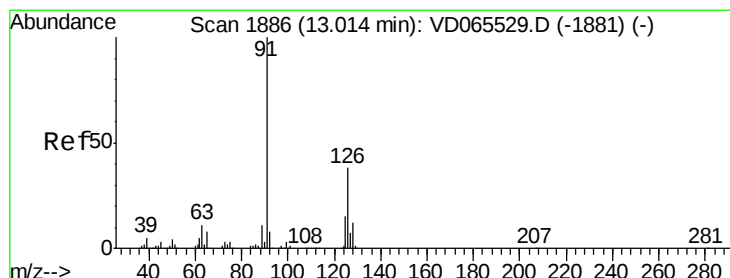
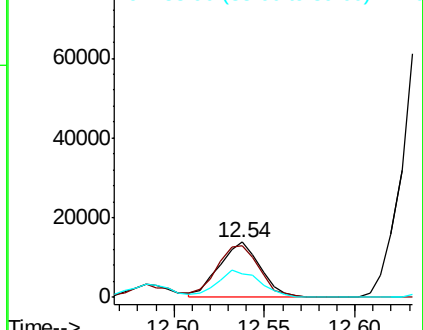
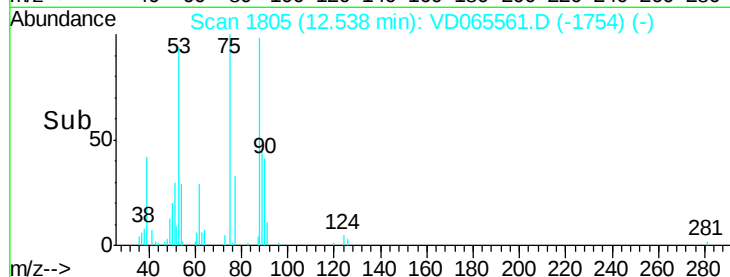
Ion	Ratio	Lower	Upper
75	100		
53	98.2	72.4	108.6
89	51.1	36.9	55.3



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: 20.840 ug/l

RT: 13.01 min Scan# 1886

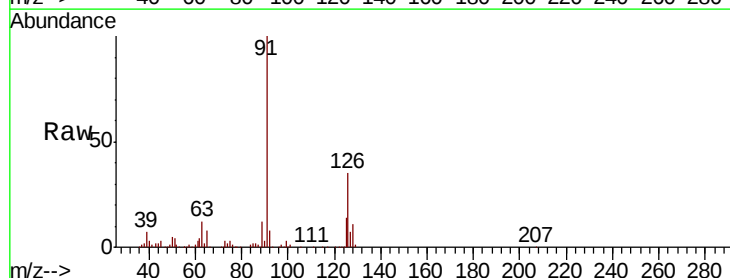
Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

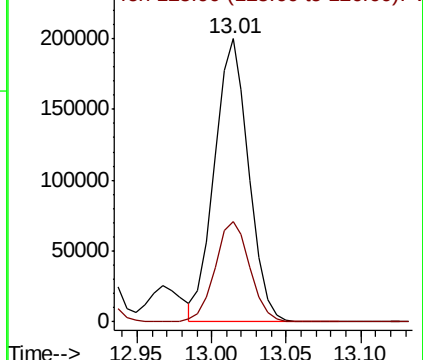
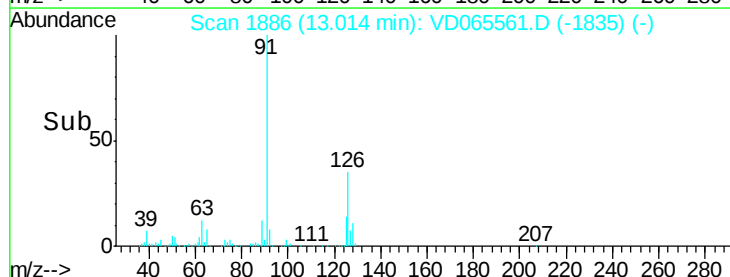
Tgt Ion: 91 Resp: 319019

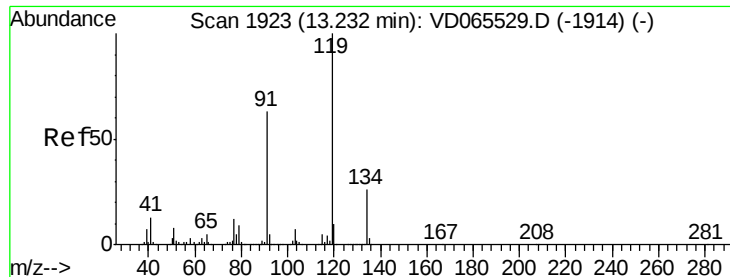
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.171 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

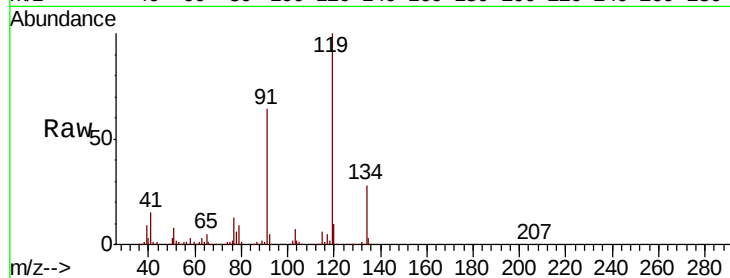
Tot Ion:119 Resp: 311313

Ion Ratio Lower Upper

119 100

91 60.3 31.4 94.0

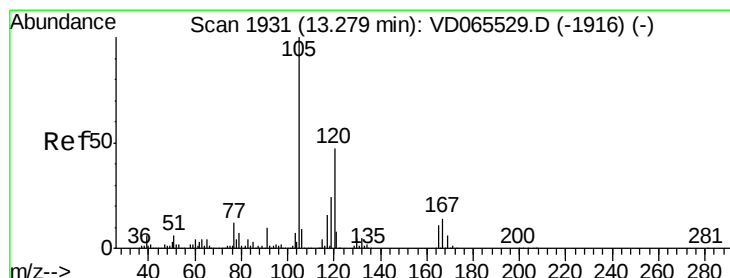
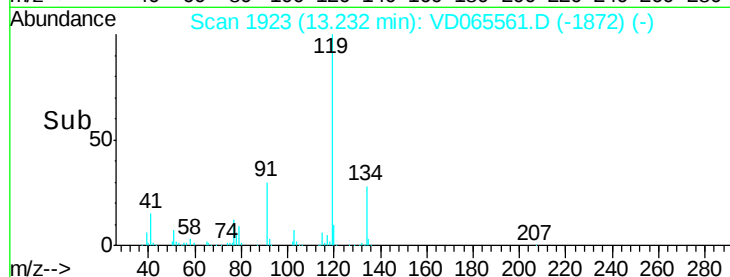
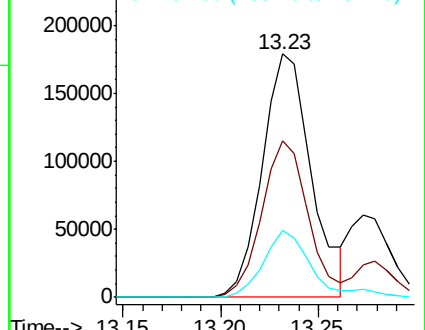
134 27.2 13.9 41.6



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: 20.973 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065561.D

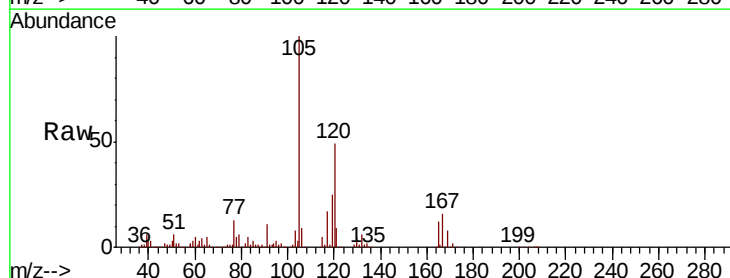
Acq: 31 Mar 2020 12:55

Tgt Ion:105 Resp: 368139

Ion Ratio Lower Upper

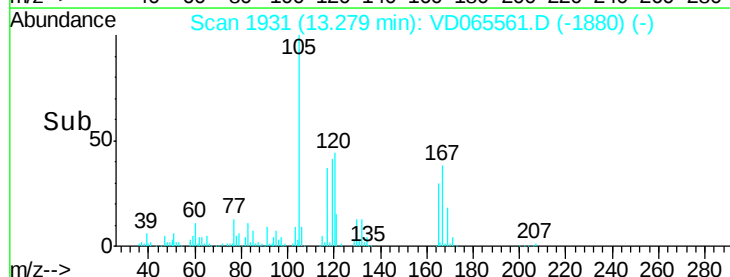
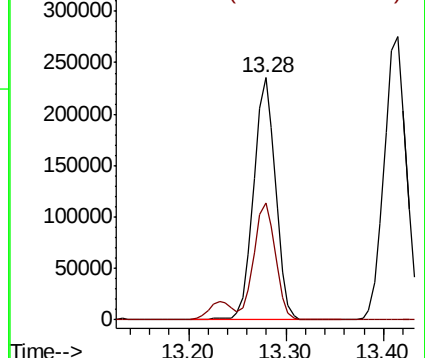
105 100

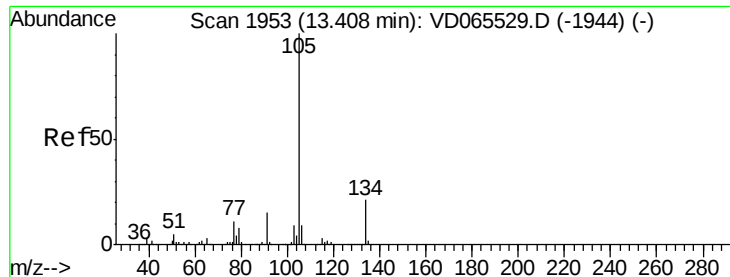
120 47.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

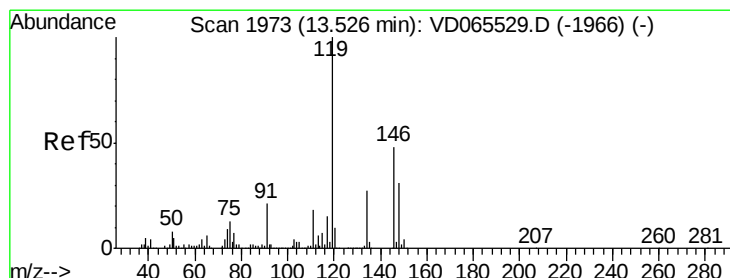
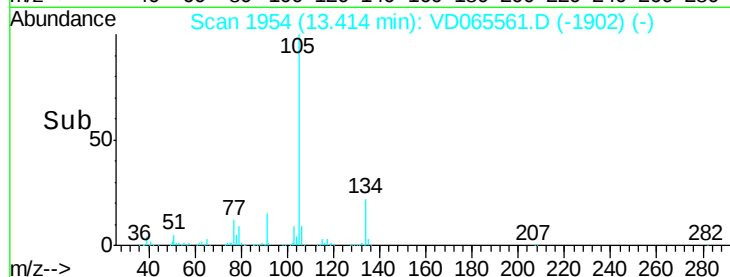
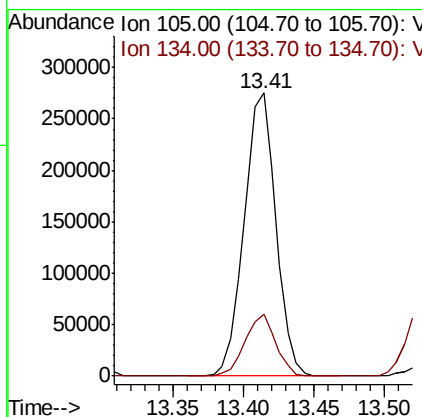
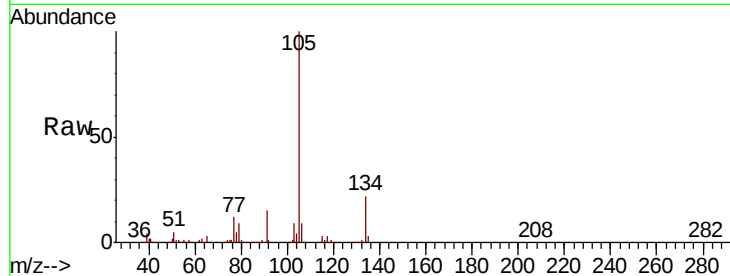




#85
 sec-Butylbenzene
 Concen: 20.681 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

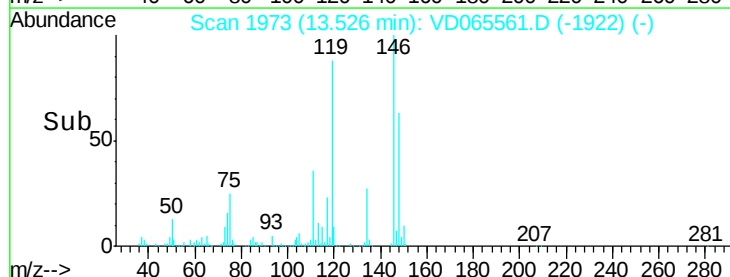
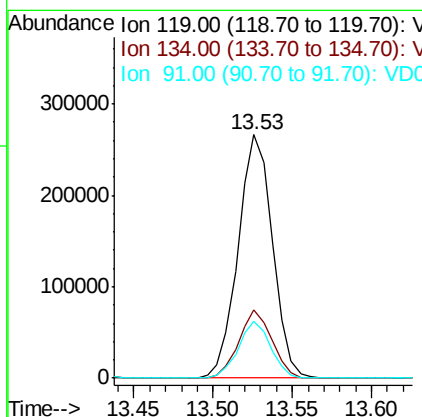
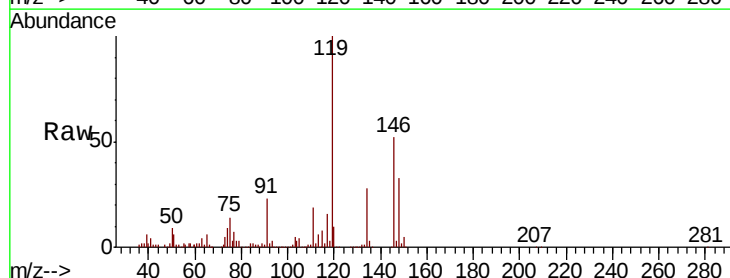
Instrument :
 MSVOA_D
 ClientSampleId :

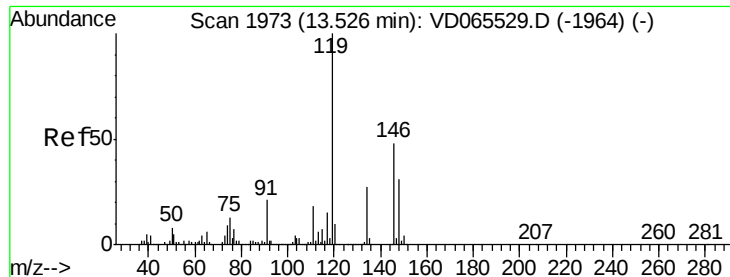
Tot Ion:105 Resp: 435179
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 20.692 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion:119 Resp: 401249
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.5
 91 22.4 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 21.089 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

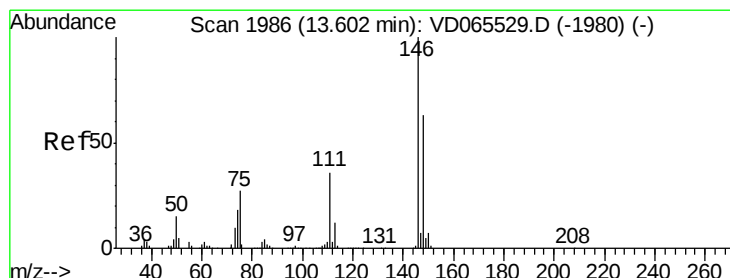
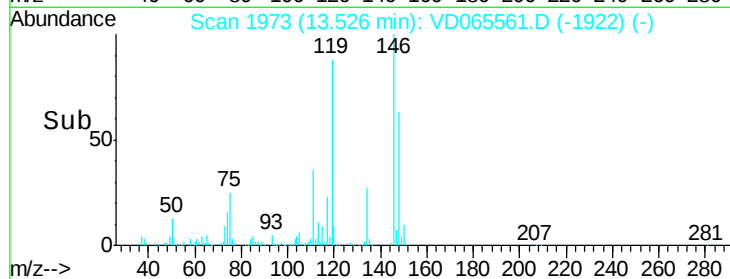
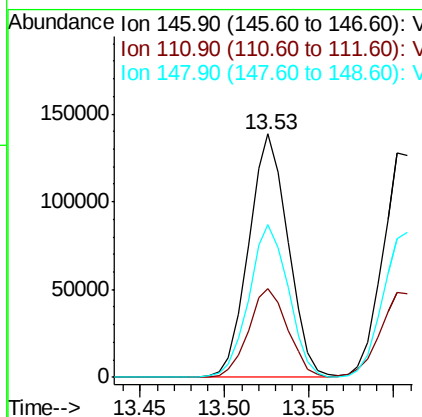
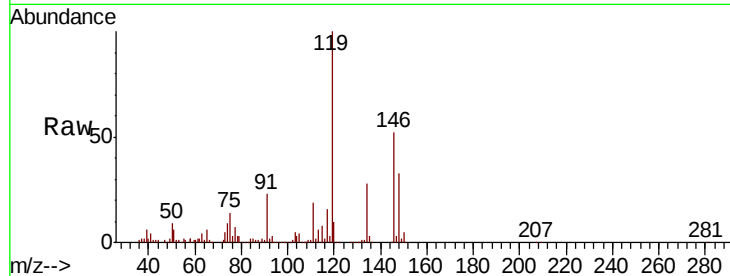
Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:146 Resp: 224723

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.5	55.5
148	62.7	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 20.195 ug/l

RT: 13.60 min Scan# 1986

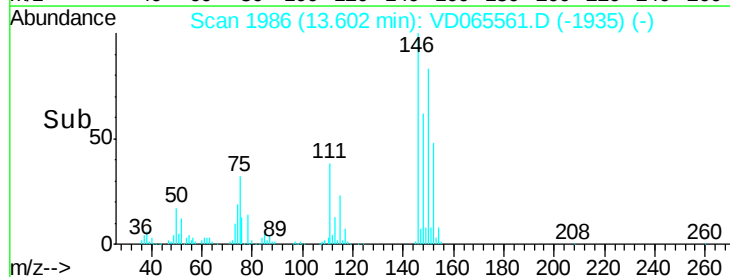
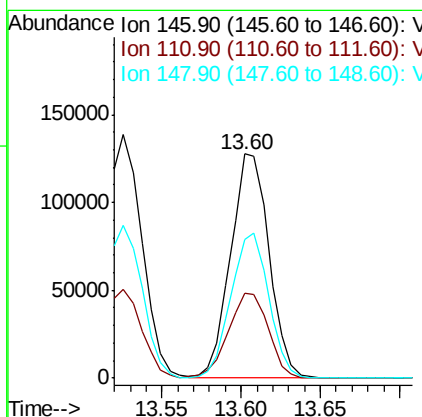
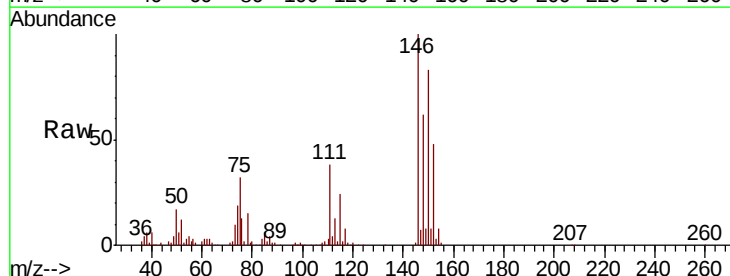
Delta R.T. -0.00 min

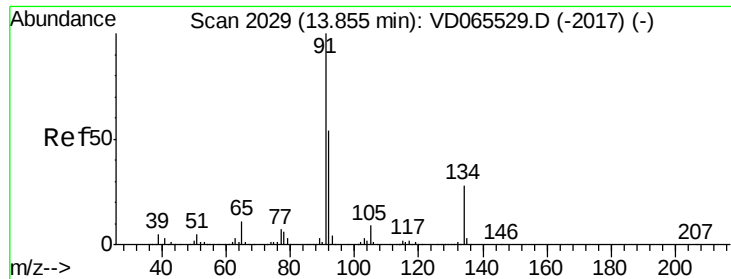
Lab File: VD065561.D

Acq: 31 Mar 2020 12:55

Tgt Ion:146 Resp: 215031

Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.0	54.0
148	63.8	31.6	94.8

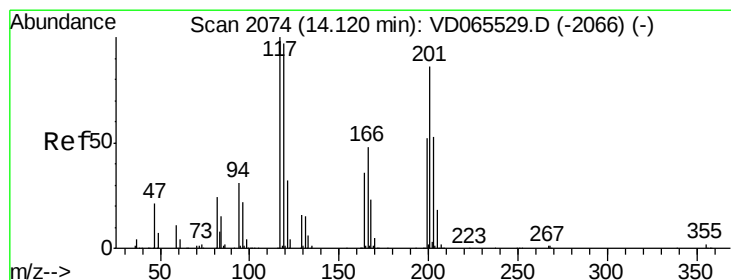
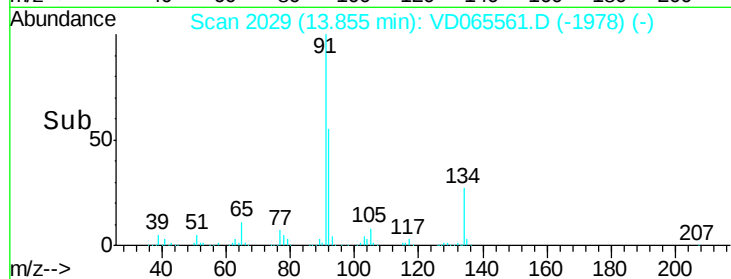
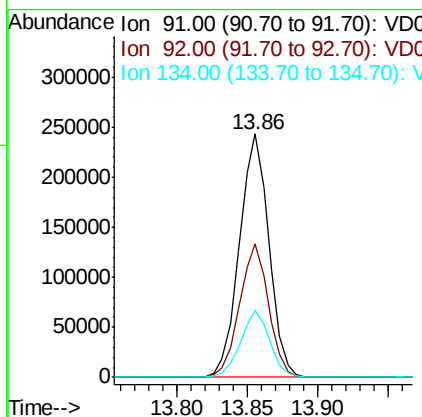
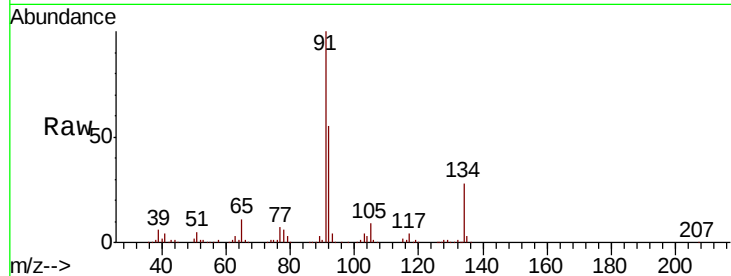




#89
n-Butylbenzene
Concen: 20.229 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

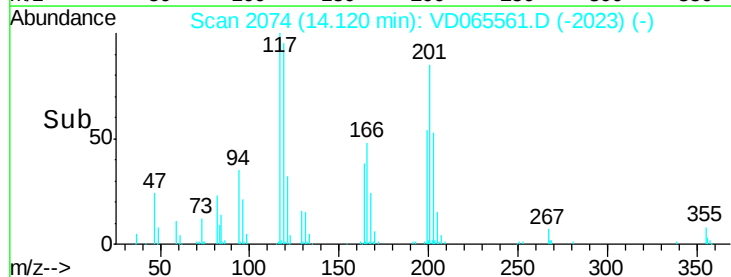
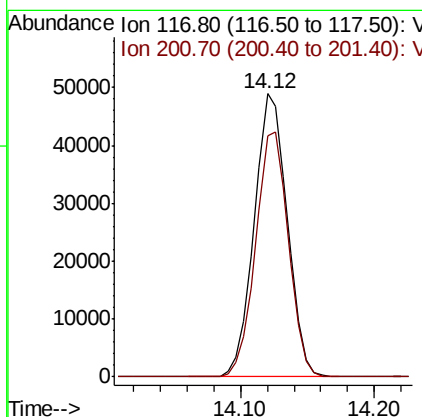
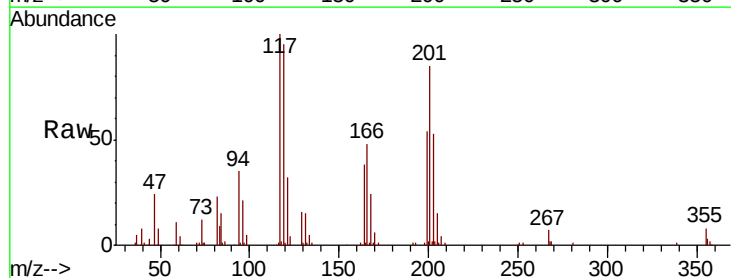
Instrument :
MSVOA_D
ClientSampleId :

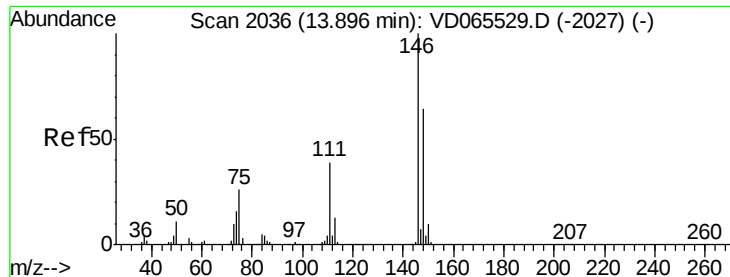
Tot Ion: 91 Resp: 356228
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 26.9 13.7 41.0



#90
Hexachloroethane
Concen: 20.519 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion: 117 Resp: 83439
Ion Ratio Lower Upper
117 100
201 85.9 43.9 131.6

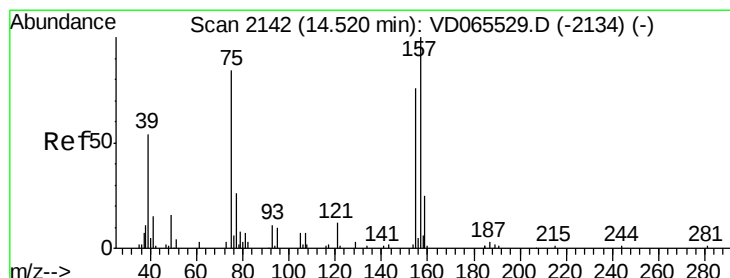
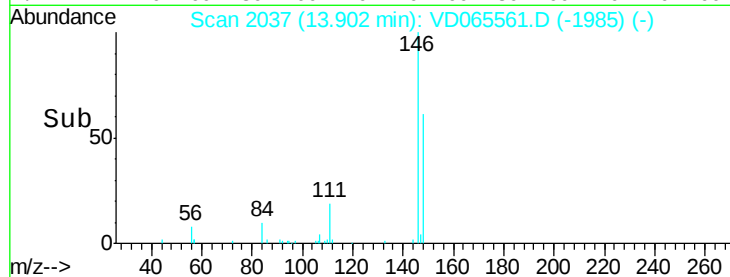
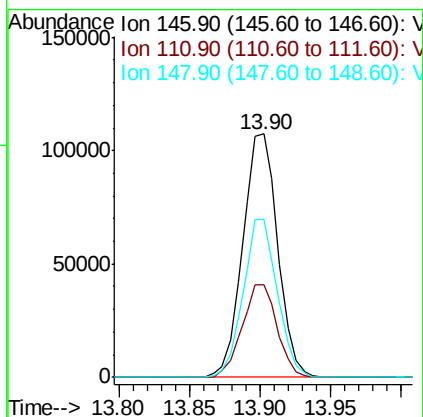
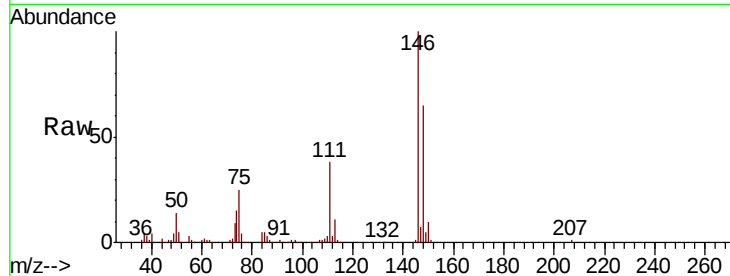




#91
 1,2-Dichlorobenzene
 Concen: 20.576 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

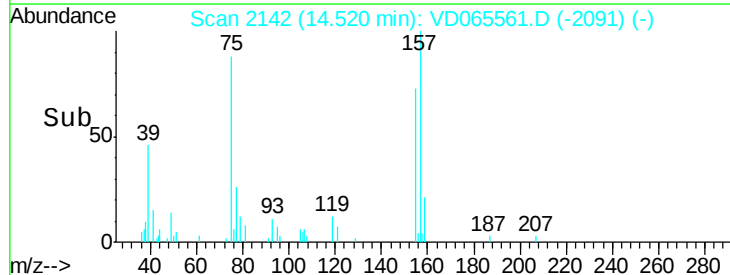
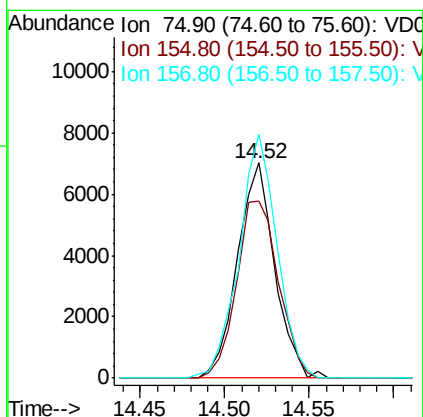
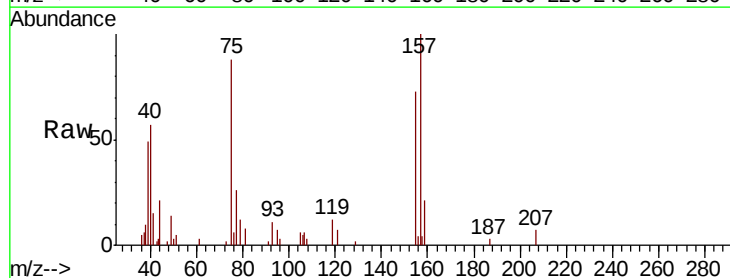
Instrument :
 MSVOA_D
 ClientSampleId :

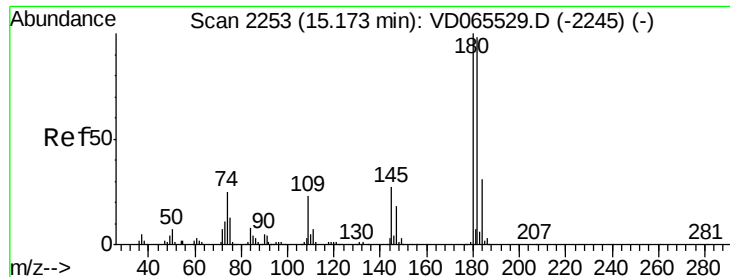
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.4
148	63.5	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.403 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	46.2	138.6
157	115.5	57.9	173.7

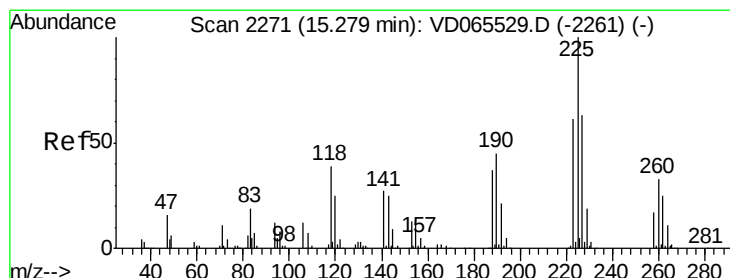
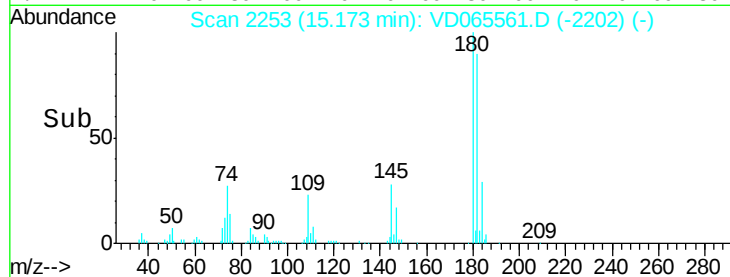
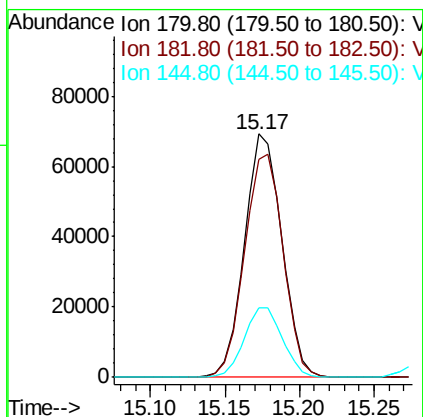
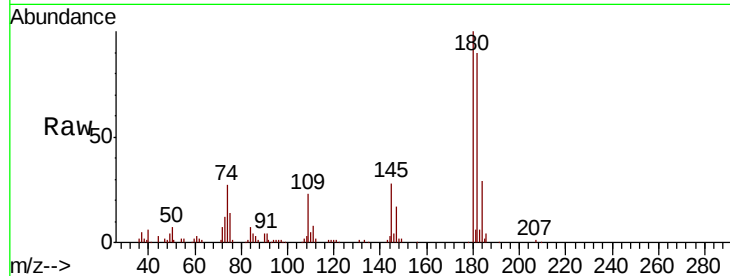




#93
 1,2,4-Trichlorobenzene
 Concen: 19.147 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

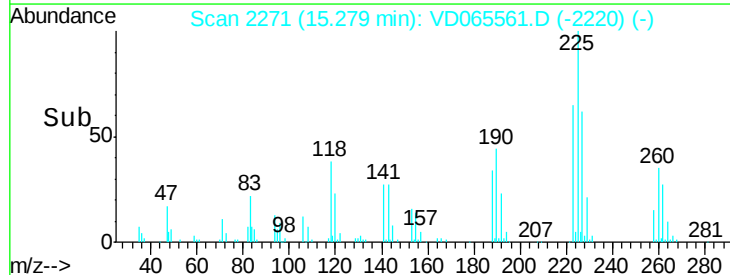
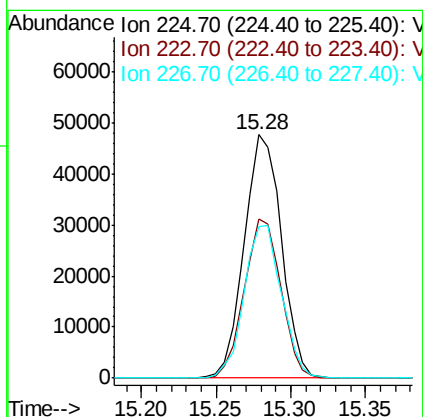
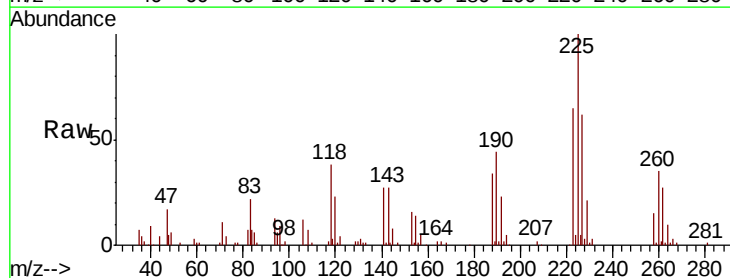
Instrument :
 MSVOA_D
 ClientSampleId :

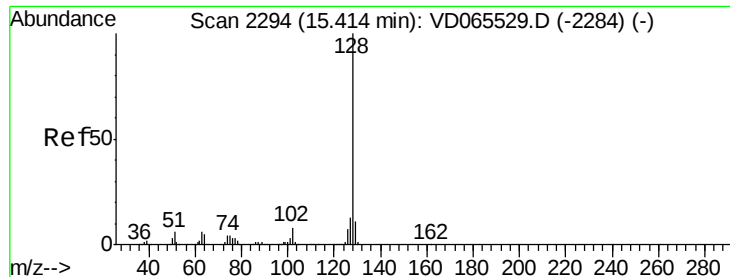
Tot Ion:180 Resp: 119777
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.1 144.3
 145 29.1 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 20.194 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065561.D
 Acq: 31 Mar 2020 12:55

Tgt Ion:225 Resp: 82324
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.2 93.6
 227 63.0 32.3 96.9

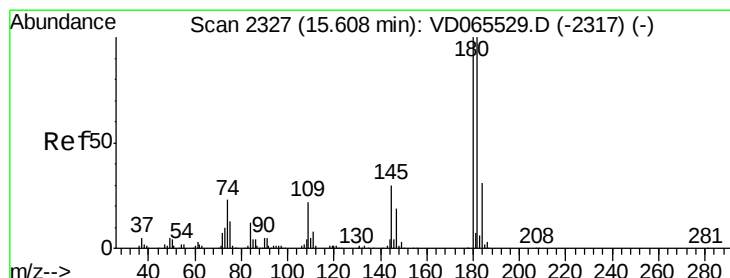
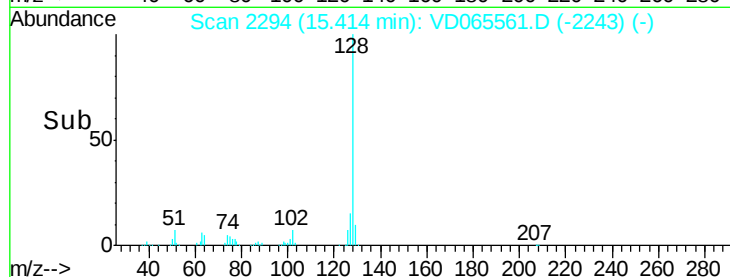
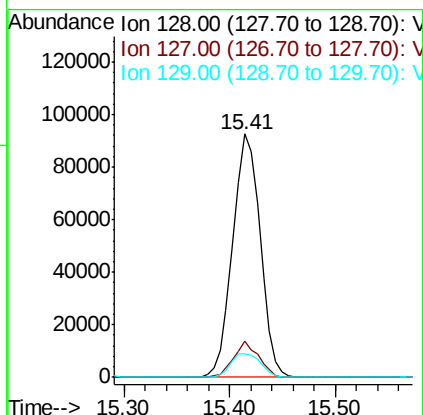
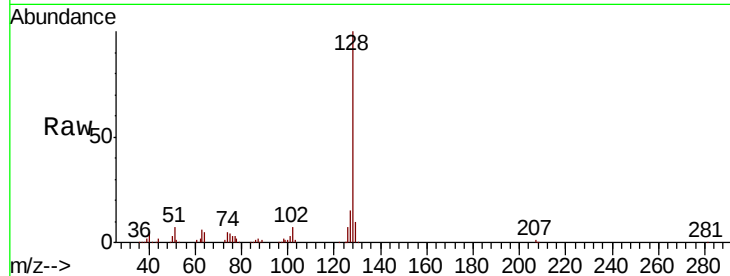




#95
Naphthalene
Concen: 18.671 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 167358
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: 18.980 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065561.D
Acq: 31 Mar 2020 12:55

Tgt Ion:180 Resp: 101975
Ion Ratio Lower Upper
180 100
182 95.6 48.1 144.3
145 31.3 15.0 45.0

