

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063948.D
 Acq On : 11 Oct 2019 20:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:39:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	156307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	262951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	265267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	79921	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	7.92	113	82496	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.34	98	335510	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.63	95	113194	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50280	45.359	ug/l	96
3) Chloromethane	2.21	50	173669	58.769	ug/l	96
4) Vinyl Chloride	2.34	62	185612	51.808	ug/l	98
5) Bromomethane	2.77	94	123147	53.466	ug/l	97
6) Chloroethane	2.92	64	127124	53.654	ug/l	97
7) Trichlorofluoromethane	3.27	101	255307	53.898	ug/l	96
8) Diethyl Ether	3.70	74	39455	51.894	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62966	48.022	ug/l	93
10) Methyl Iodide	4.29	142	89267	49.408	ug/l	98
11) Tert butyl alcohol	5.24	59	26038	246.168	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	60788	46.404	ug/l	97
13) Acrolein	3.93	56	17997	132.414	ug/l	96
14) Allyl chloride	4.71	41	112387	51.603	ug/l	97
15) Acrylonitrile	5.43	53	101359	302.382	ug/l	96
16) Acetone	4.16	43	85651	216.182	ug/l	92
17) Carbon Disulfide	4.40	76	221851	46.589	ug/l	96
18) Methyl Acetate	4.72	43	50210	64.794	ug/l	95
19) Methyl tert-butyl Ether	5.49	73	183210	54.009	ug/l	99
20) Methylene Chloride	4.97	84	95448	54.569	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	84918	52.072	ug/l	99
22) Diisopropyl ether	6.37	45	249361	56.061	ug/l	97
23) Vinyl Acetate	6.31	43	741223	280.122	ug/l	99
24) 1,1-Dichloroethane	6.26	63	146163	53.348	ug/l	98
25) 2-Butanone	7.22	43	130163	277.215	ug/l	95
26) 2,2-Dichloropropane	7.21	77	115960	46.788	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	102307	55.426	ug/l	97
28) Bromochloromethane	7.56	49	65682	62.570	ug/l	98
29) Tetrahydrofuran	7.57	42	80478	293.650	ug/l	96
30) Chloroform	7.71	83	160663	53.991	ug/l	91
31) Cyclohexane	7.98	56	125508	55.876	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	136312	53.401	ug/l	99
36) 1,1-Dichloropropene	8.11	75	121207	50.414	ug/l	98
37) Ethyl Acetate	7.30	43	52735	55.109	ug/l	98
38) Carbon Tetrachloride	8.10	117	124149	51.099	ug/l #	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	146885	49.688	ug/l #	87
40) Benzene	8.36	78	360218	52.283	ug/l	100
41) Methacrylonitrile	7.53	41	29406	52.755	ug/l	88
42) 1,2-Dichloroethane	8.43	62	102959	51.661	ug/l	99
43) Isopropyl Acetate	8.46	43	102710	50.941	ug/l	99
44) Trichloroethene	9.11	130	96884	48.765	ug/l	89
45) 1,2-Dichloropropane	9.39	63	89709	53.196	ug/l	97
46) Dibromomethane	9.48	93	52750	54.924	ug/l	98
47) Bromodichloromethane	9.67	83	128938	52.144	ug/l	99
48) Methyl methacrylate	9.46	41	48582	50.289	ug/l	97
49) 1,4-Dioxane	9.47	88	15029	1146.411	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	286596	274.076	ug/l	98
52) Toluene	10.40	92	249530	52.758	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	126905	52.594	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	144427	51.999	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	74653	55.051	ug/l	98
56) Ethyl methacrylate	10.66	69	92594	53.920	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125073	53.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	219251	297.030	ug/l	100
59) 2-Hexanone	10.99	43	202368	267.535	ug/l	99
60) Dibromochloromethane	11.14	129	96063	54.413	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76506	58.195	ug/l	100
64) Tetrachloroethene	10.88	164	94244	52.042	ug/l	97
65) Chlorobenzene	11.67	112	285610	53.613	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	101631	51.774	ug/l	98
67) Ethyl Benzene	11.74	91	502061	52.265	ug/l	98
68) m/p-Xylenes	11.86	106	398717	107.536	ug/l	98
69) o-Xylene	12.18	106	185565	52.267	ug/l	99
70) Styrene	12.20	104	332736	55.362	ug/l	97
71) Bromoform	12.36	173	61171	58.066	ug/l #	99
73) Isopropylbenzene	12.48	105	493024	49.609	ug/l	99
74) N-amyl acetate	12.29	43	103852	48.535	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	89660	51.845	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	112534	113.653	ug/l #	100
77) Bromobenzene	12.76	156	129582	52.335	ug/l	97
78) n-propylbenzene	12.82	91	592365	50.780	ug/l	99
79) 2-Chlorotoluene	12.91	91	325730	50.640	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	416025	50.177	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27122	48.472	ug/l	98
82) 4-Chlorotoluene	13.01	91	337343	49.439	ug/l	100
83) tert-Butylbenzene	13.23	119	366259	49.635	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	437255	51.155	ug/l	98
85) sec-Butylbenzene	13.40	105	501909	50.367	ug/l	99
86) p-Isopropyltoluene	13.51	119	489413	51.902	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	251203	51.346	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	249868	51.770	ug/l	99
89) n-Butylbenzene	13.84	91	439064	50.022	ug/l	98
90) Hexachloroethane	14.11	117	88091	51.941	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	228863	54.282	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14328	53.496	ug/l	90

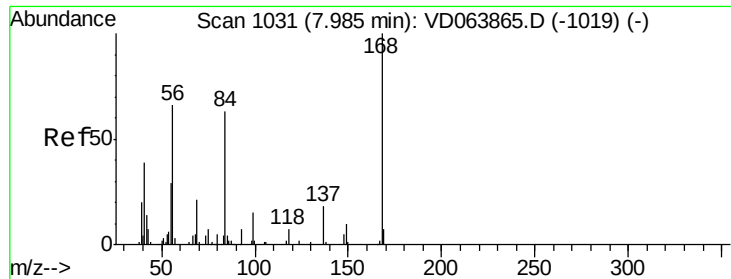
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160022	49.189	ug/l	99
94) Hexachlorobutadiene	15.27	225	88258	49.162	ug/l	96
95) Naphthalene	15.40	128	298739	54.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	142279	50.690	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

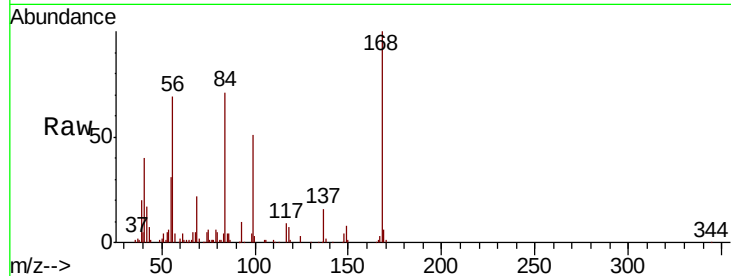
ClientSampleId :

Tot Ion:168 Resp: 156307

Ion Ratio Lower Upper

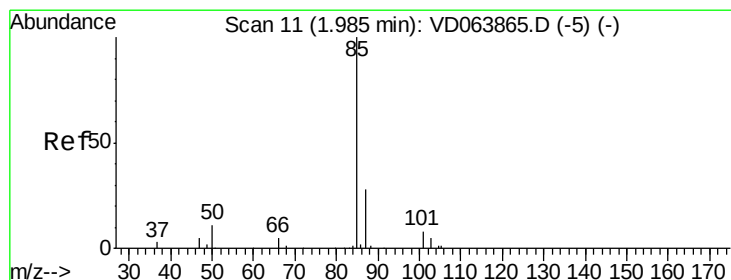
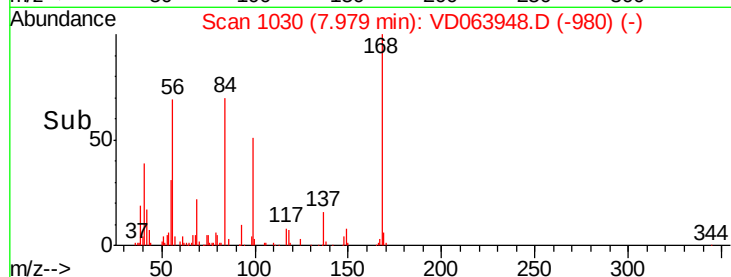
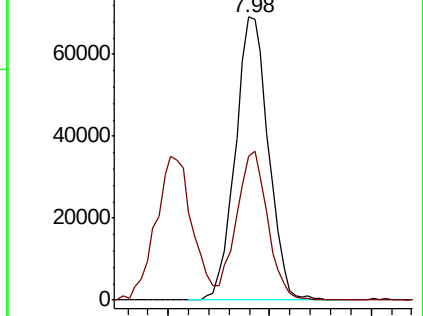
168 100

99 50.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.359 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063948.D

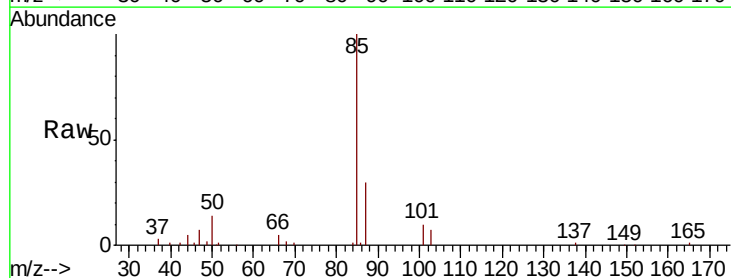
Acq: 11 Oct 2019 20:26

Tgt Ion: 85 Resp: 50280

Ion Ratio Lower Upper

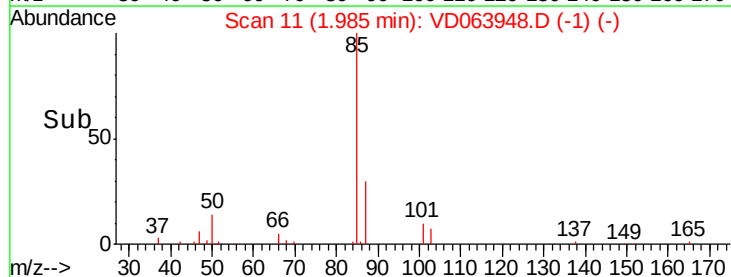
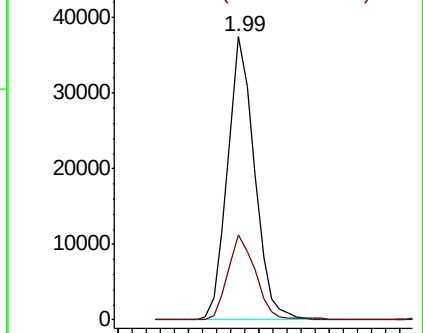
85 100

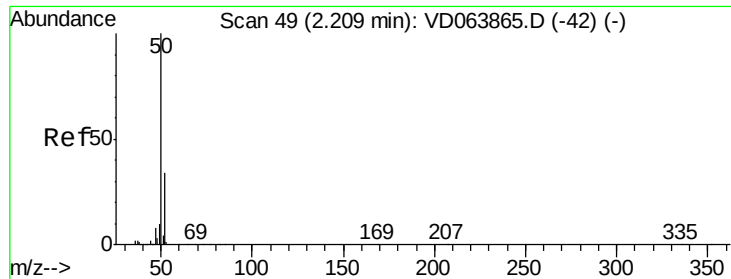
87 30.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 58.769 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

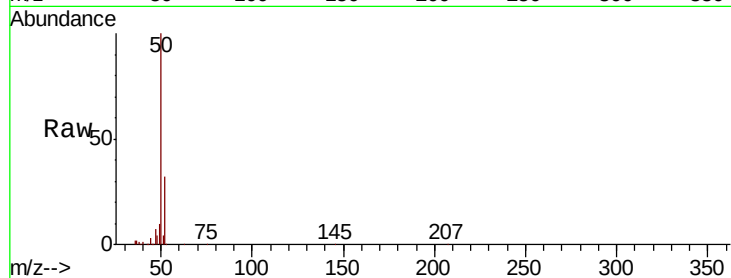
ClientSampleId :

Tot Ion: 50 Resp: 173669

Ion Ratio Lower Upper

50 100

52 31.9 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

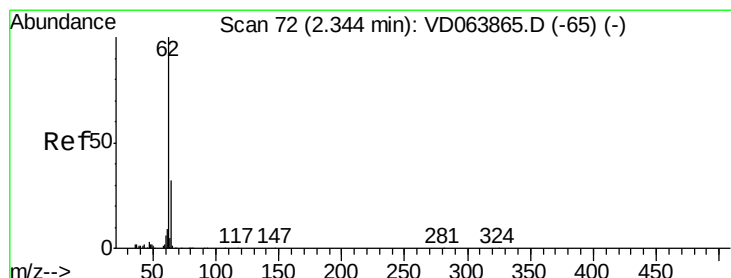
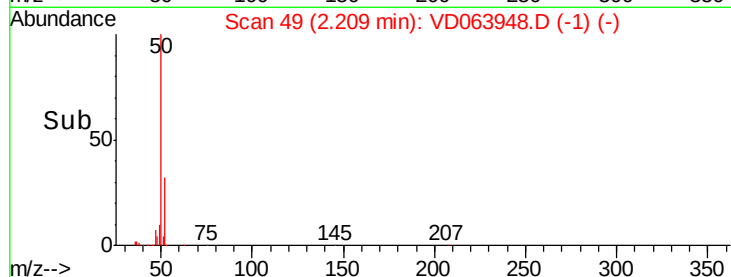
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.808 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063948.D

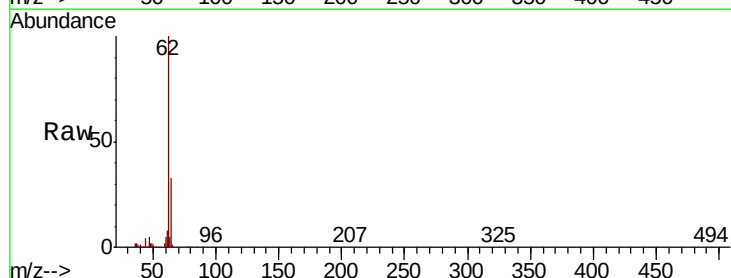
Acq: 11 Oct 2019 20:26

Tgt Ion: 62 Resp: 185612

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

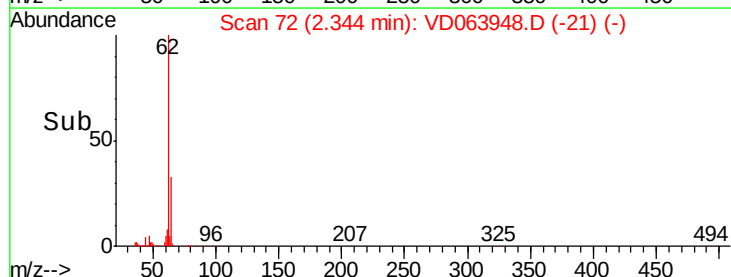
2.34

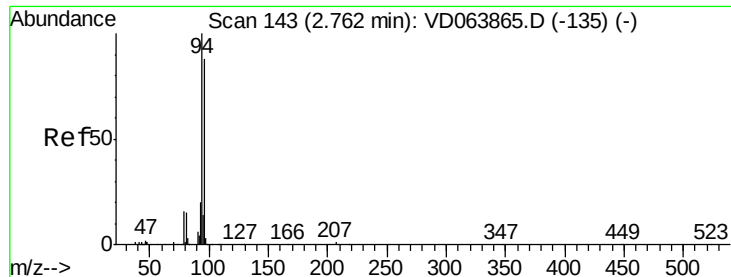
100000

50000

0

Time-->





#5

Bromomethane

Concen: 53.466 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

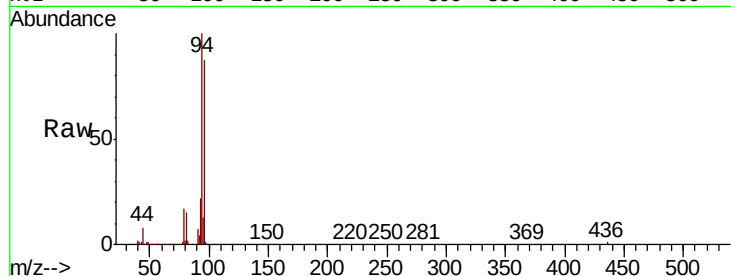
ClientSampleId :

Tot Ion: 94 Resp: 123147

Ion Ratio Lower Upper

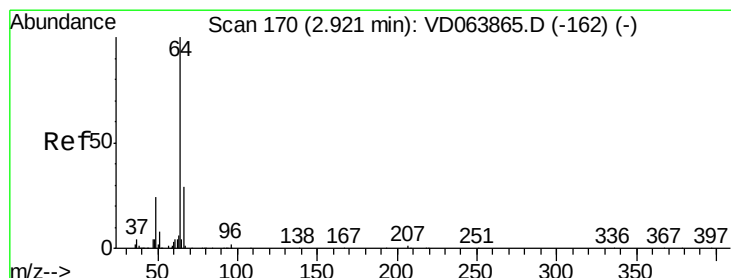
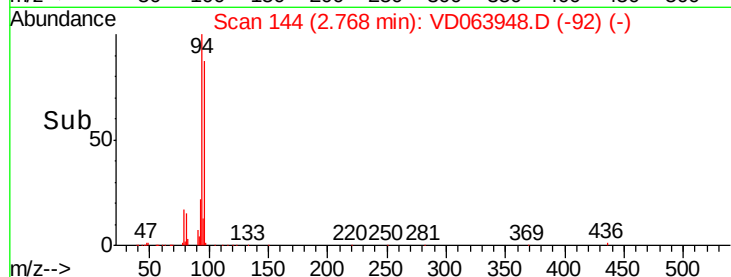
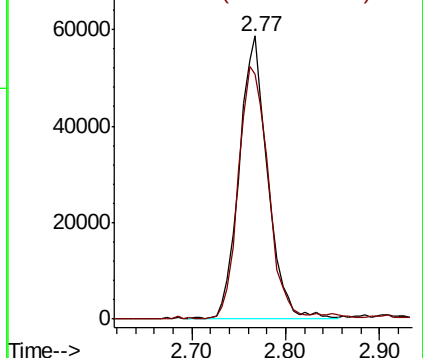
94 100

96 86.2 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.654 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063948.D

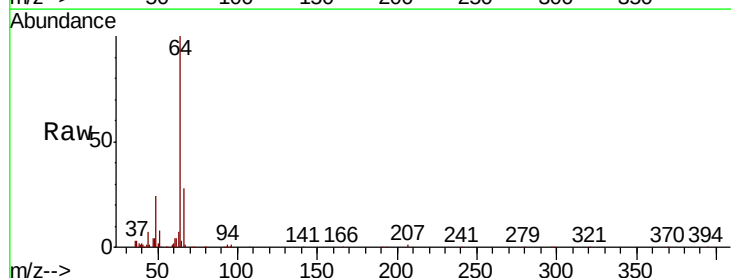
Acq: 11 Oct 2019 20:26

Tgt Ion: 64 Resp: 127124

Ion Ratio Lower Upper

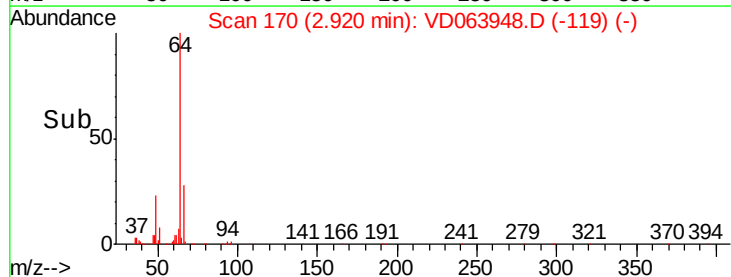
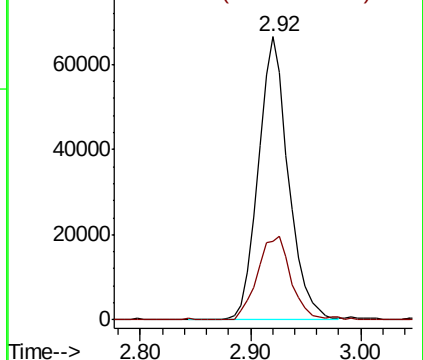
64 100

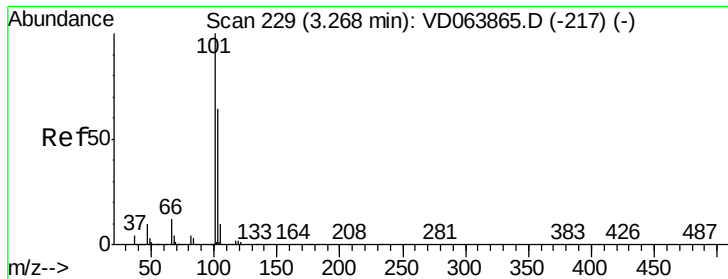
66 27.2 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



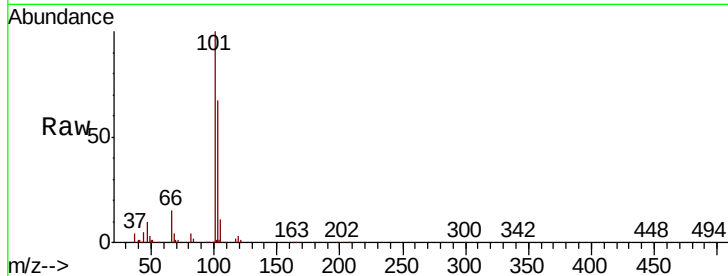


#7

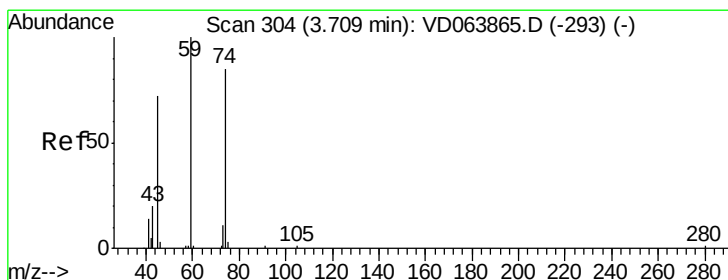
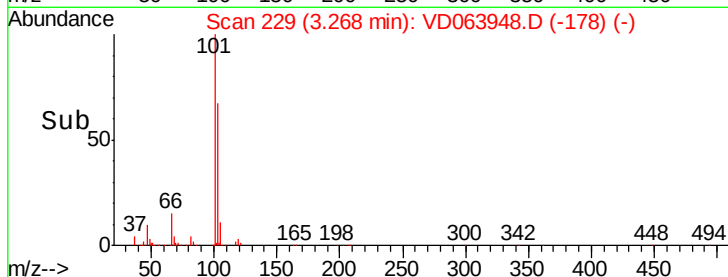
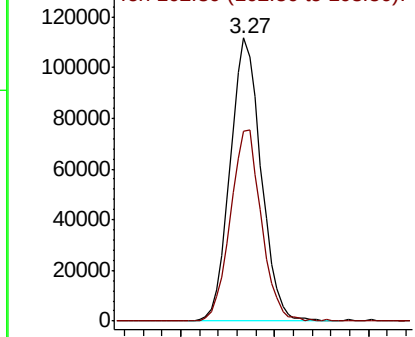
Trichlorofluoromethane
Concen: 53.898 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 255307
Ion Ratio Lower Upper
101 100
103 67.0 51.1 76.7



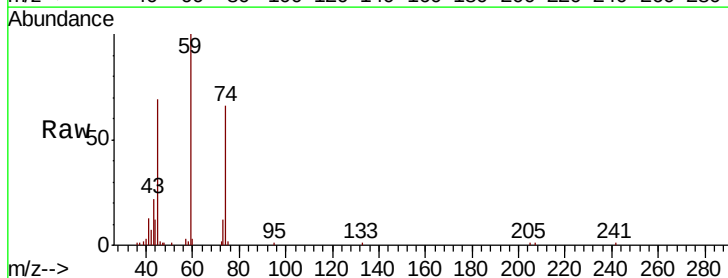
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



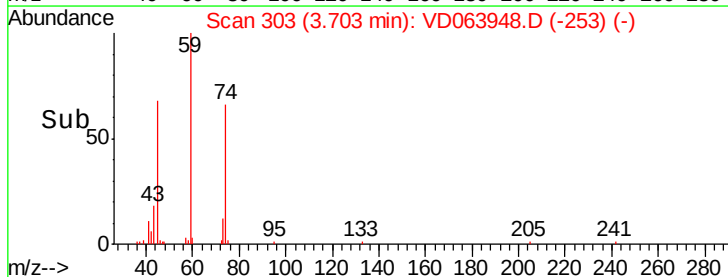
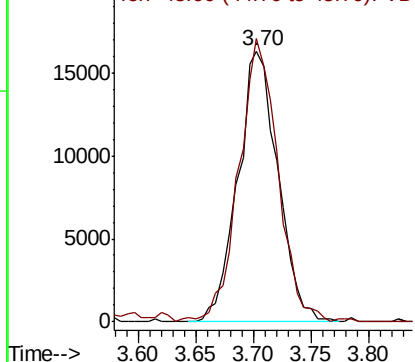
#8

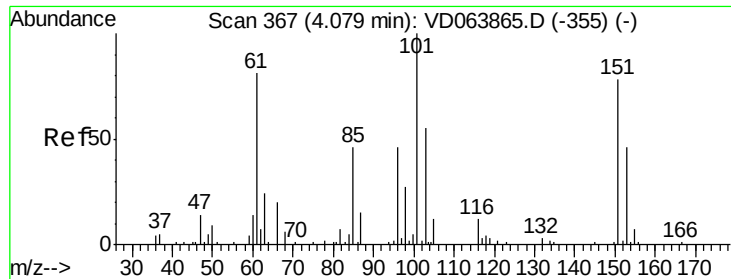
Diethyl Ether
Concen: 51.894 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 74 Resp: 39455
Ion Ratio Lower Upper
74 100
45 101.8 48.1 144.4



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

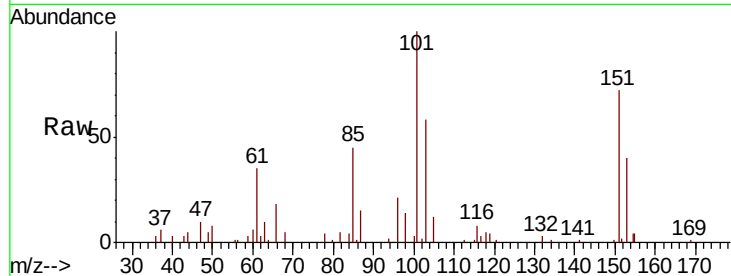




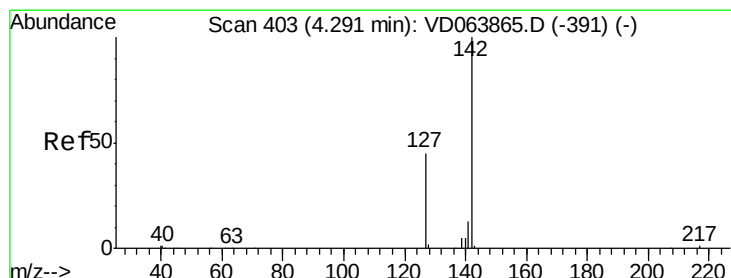
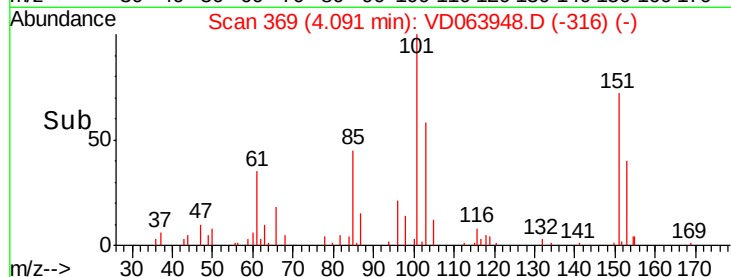
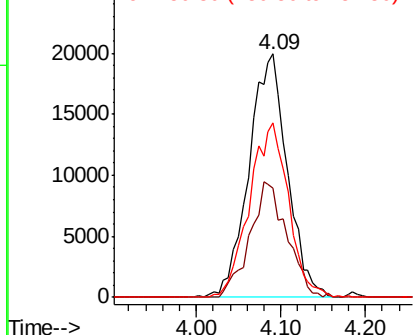
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.022 ug/l
 RT: 4.09 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 62966
 Ion Ratio Lower Upper
 101 100
 85 45.8 37.5 56.3
 151 72.8 65.5 98.3

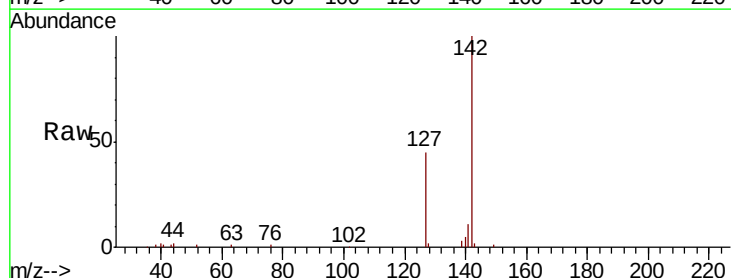


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

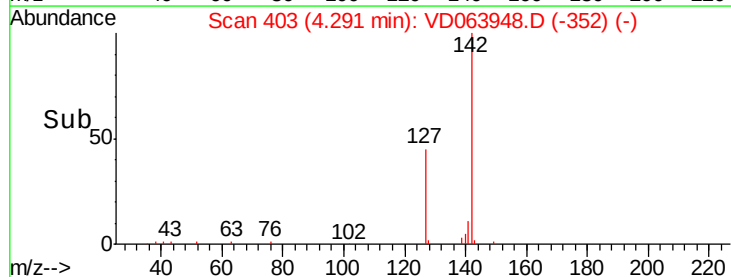
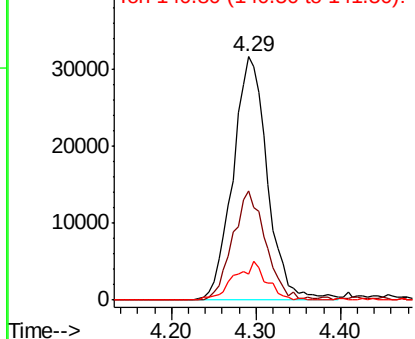


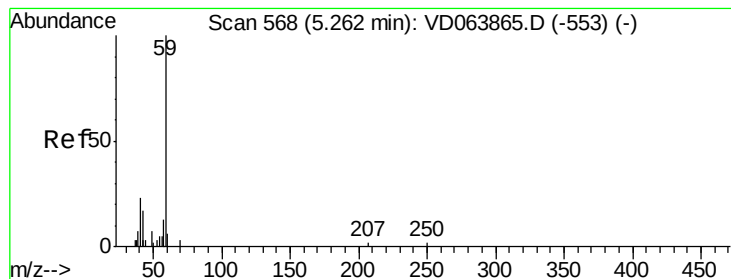
#10
 Methyl Iodide
 Concen: 49.408 ug/l
 RT: 4.29 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion:142 Resp: 89267
 Ion Ratio Lower Upper
 142 100
 127 42.7 35.3 52.9
 141 14.7 12.2 18.2



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



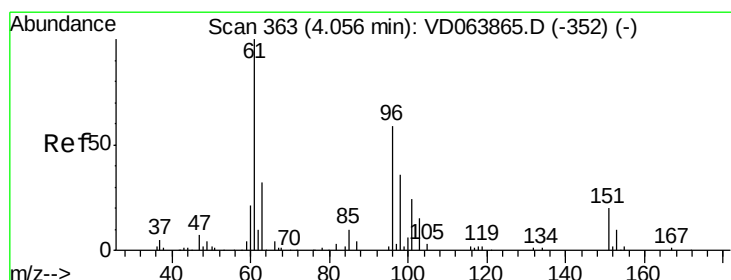
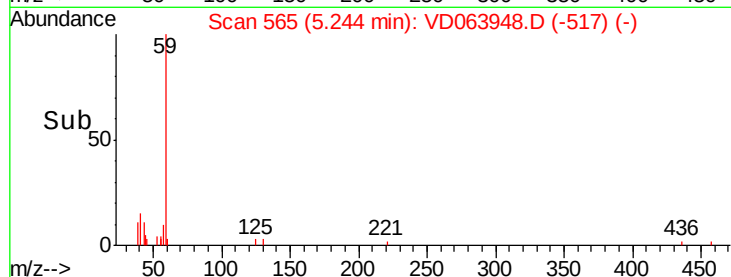
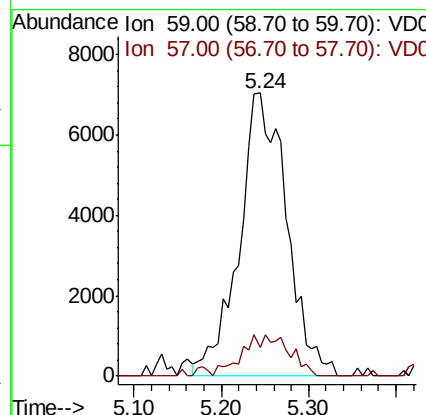
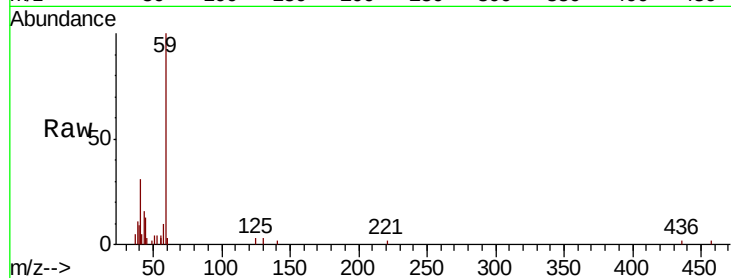


#11

Tert butyl alcohol
 Concen: 246.168 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Instrument :
 MSVOA_D
 ClientSampleId :

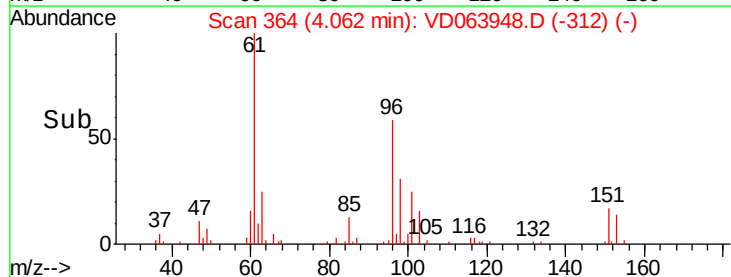
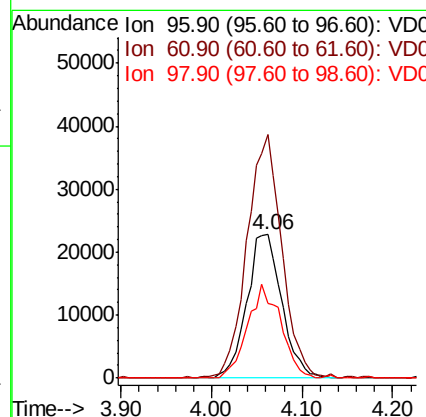
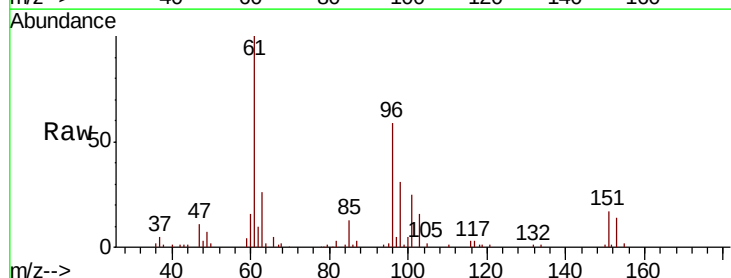
Tot Ion: 59 Resp: 26038
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.8 13.2#

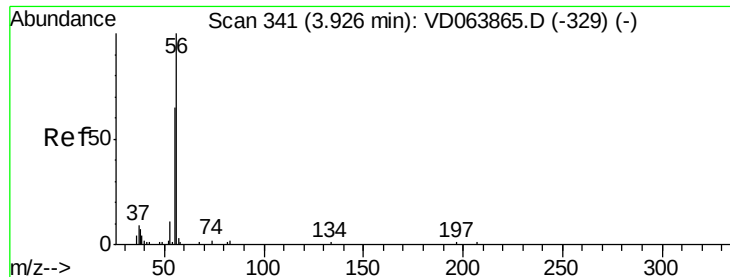


#12

1,1-Dichloroethene
 Concen: 46.404 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion: 96 Resp: 60788
 Ion Ratio Lower Upper
 96 100
 61 170.0 135.6 203.4
 98 52.4 49.2 73.8





#13

Acrolein

Concen: 132.414 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

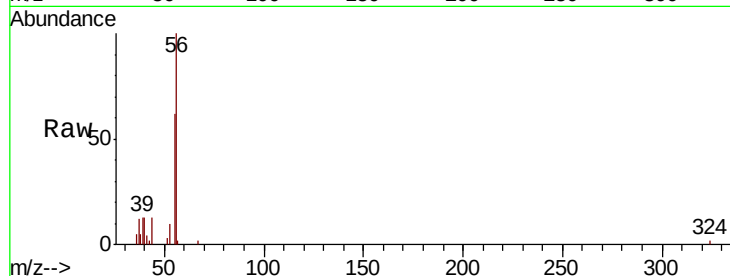
ClientSampleId :

Tot Ion: 56 Resp: 17997

Ion Ratio Lower Upper

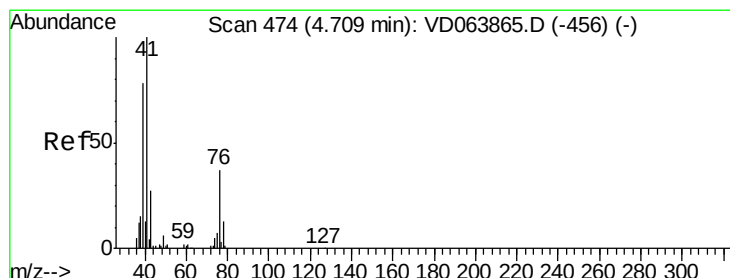
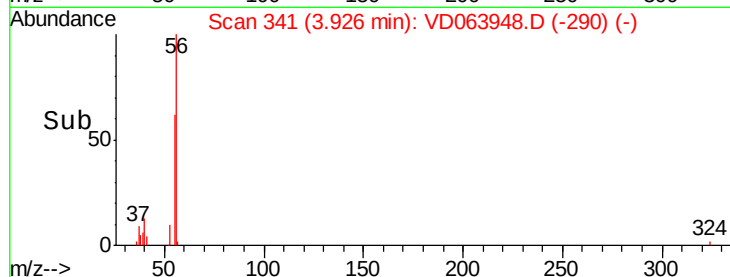
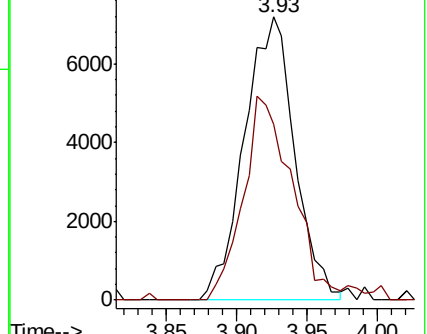
56 100

55 69.7 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.603 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

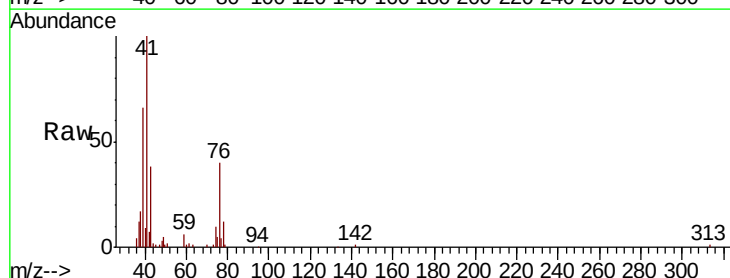
Tgt Ion: 41 Resp: 112387

Ion Ratio Lower Upper

41 100

39 75.0 61.8 92.6

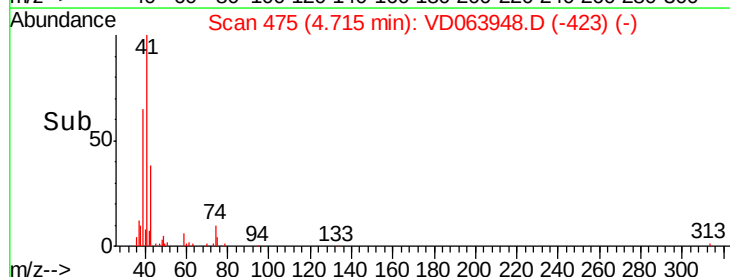
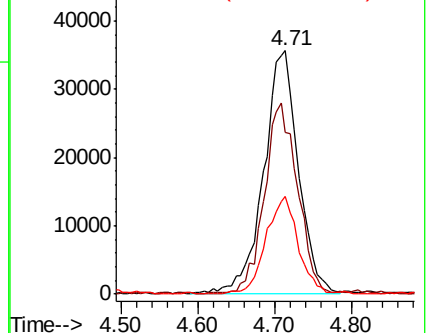
76 37.0 31.3 46.9

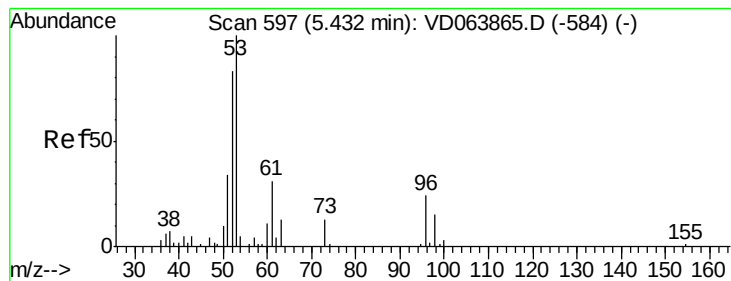


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 302.382 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

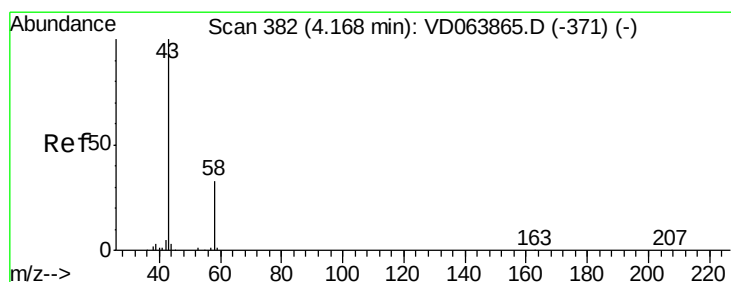
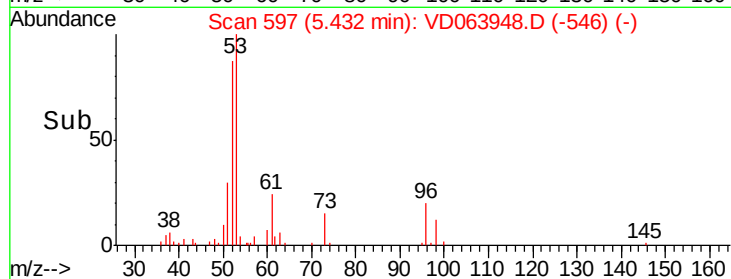
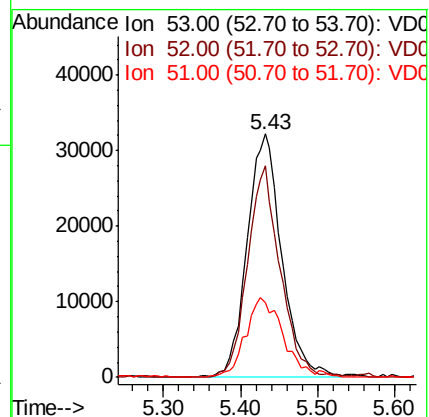
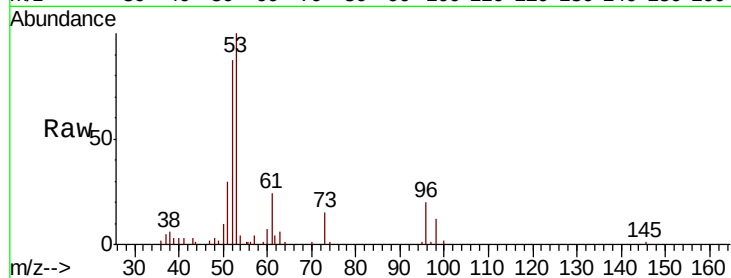
Tot Ion: 53 Resp: 101359

Ion Ratio Lower Upper

53 100

52 81.2 67.3 100.9

51 34.8 30.5 45.7



#16

Acetone

Concen: 216.182 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063948.D

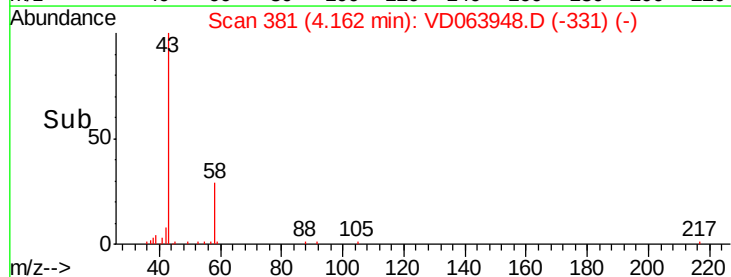
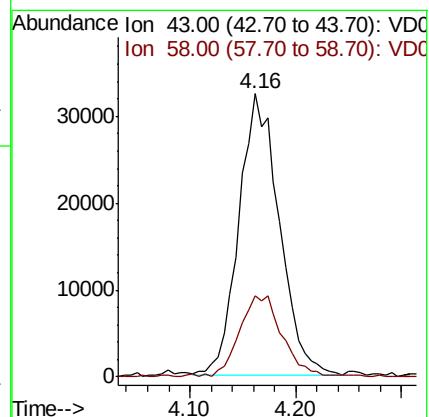
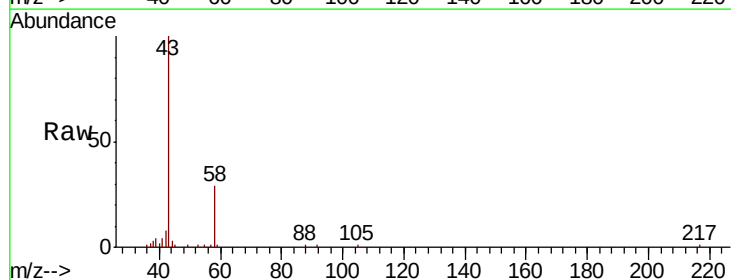
Acq: 11 Oct 2019 20:26

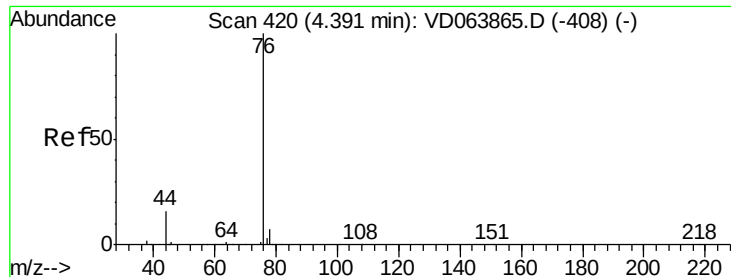
Tgt Ion: 43 Resp: 85651

Ion Ratio Lower Upper

43 100

58 28.3 26.2 39.4

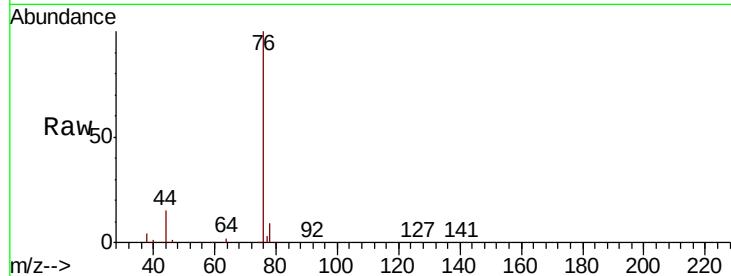




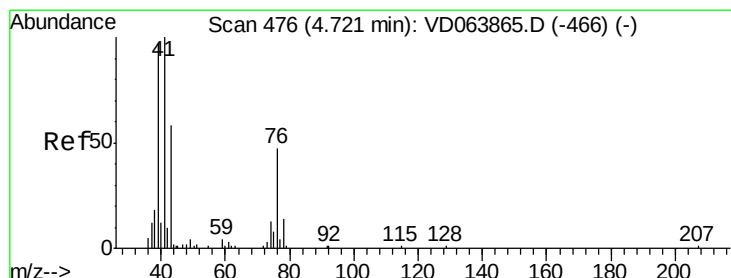
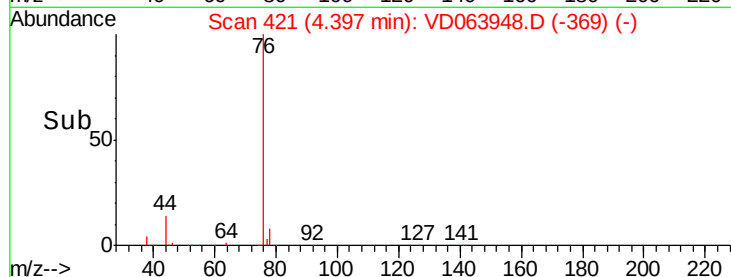
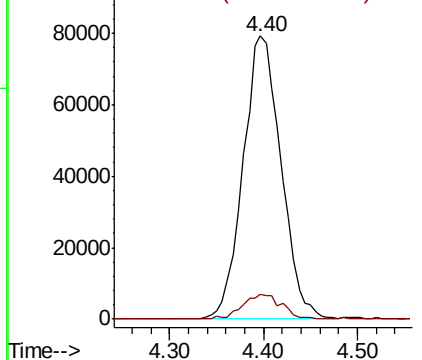
#17
Carbon Disulfide
Concen: 46.589 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 221851
Ion Ratio Lower Upper
76 100
78 8.7 5.8 8.8

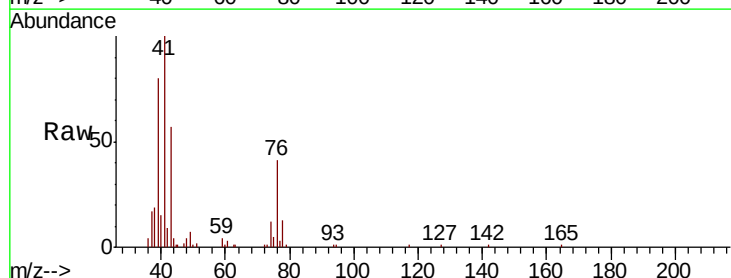


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

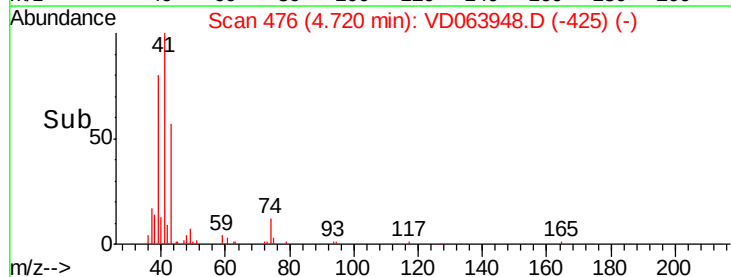
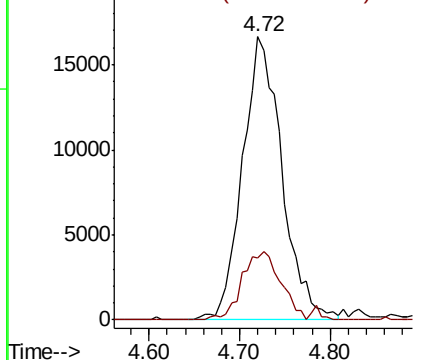


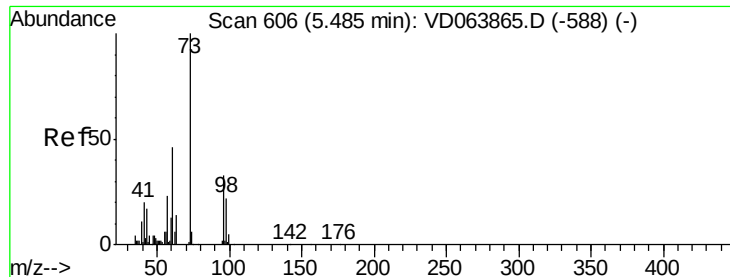
#18
Methyl Acetate
Concen: 64.794 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 43 Resp: 50210
Ion Ratio Lower Upper
43 100
74 23.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

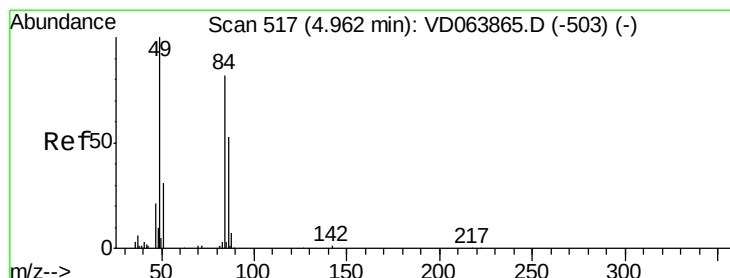
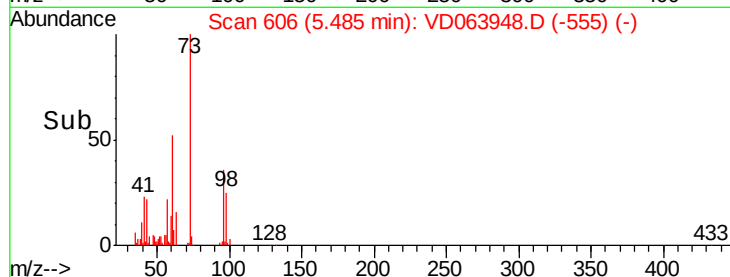
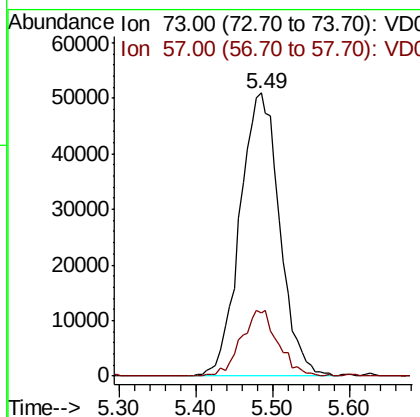
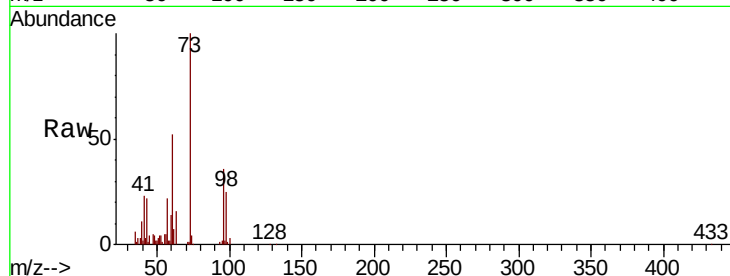




#19
Methvl tert-butvl Ether
Concen: 54.009 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

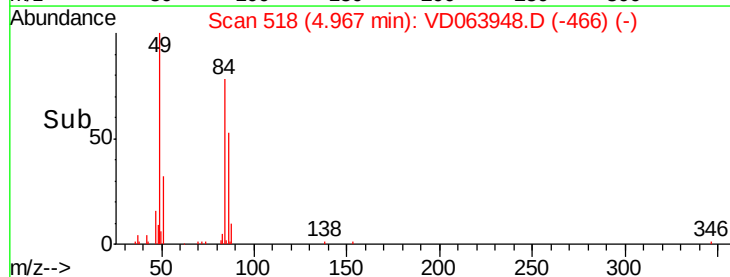
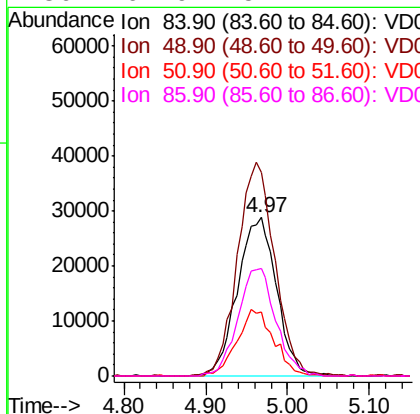
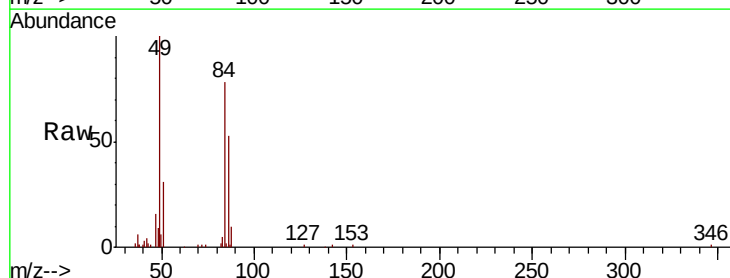
Instrument :
MSVOA_D
ClientSampleId :

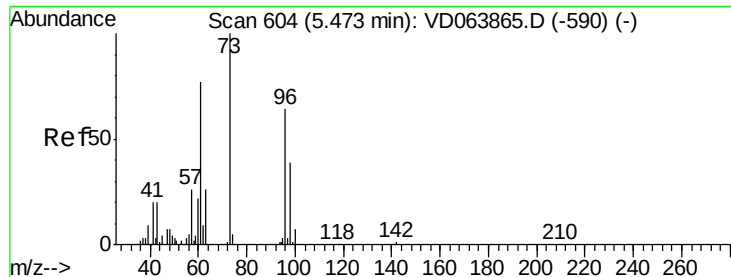
Tot Ion: 73 Resp: 183210
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 54.569 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 84 Resp: 95448
Ion Ratio Lower Upper
84 100
49 128.9 97.3 145.9
51 40.3 30.1 45.1
86 67.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.072 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

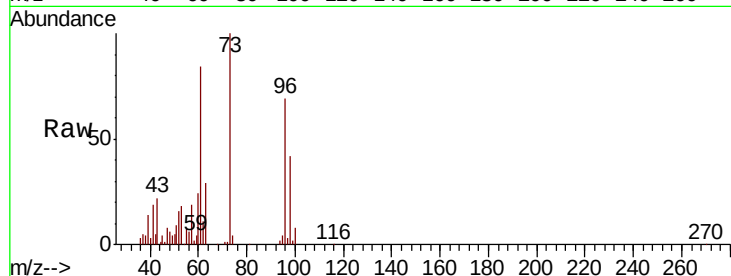
Tot Ion: 96 Resp: 84918

Ion Ratio Lower Upper

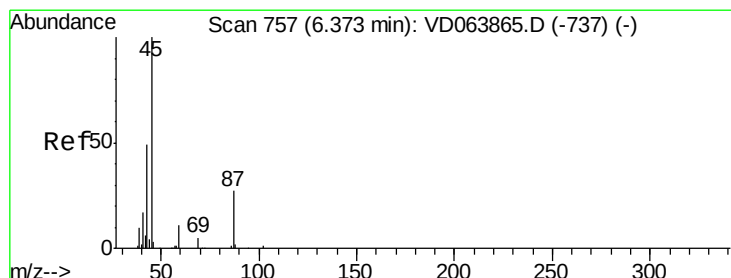
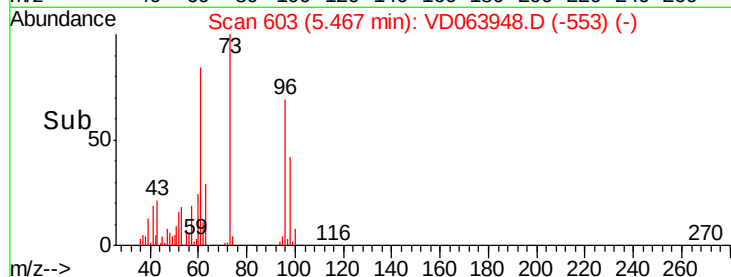
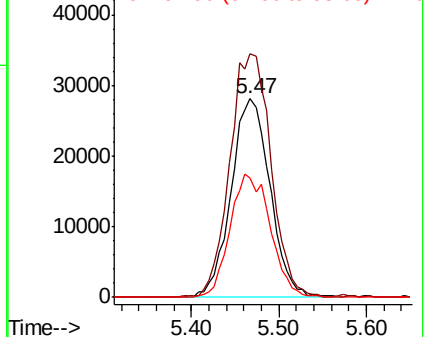
96 100

61 122.0 96.6 145.0

98 60.4 48.7 73.1



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



#22

Diisopropyl ether

Concen: 56.061 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Tgt Ion: 45 Resp: 249361

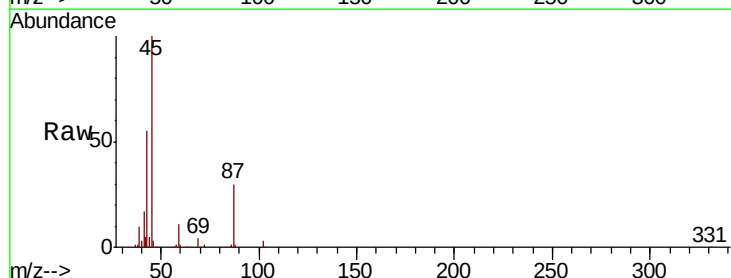
Ion Ratio Lower Upper

45 100

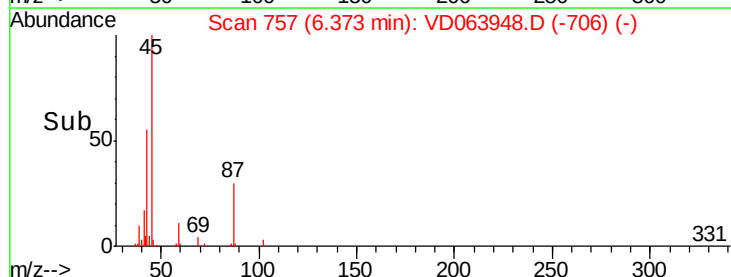
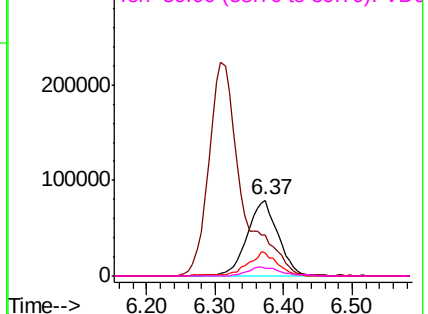
43 53.5 41.2 61.8

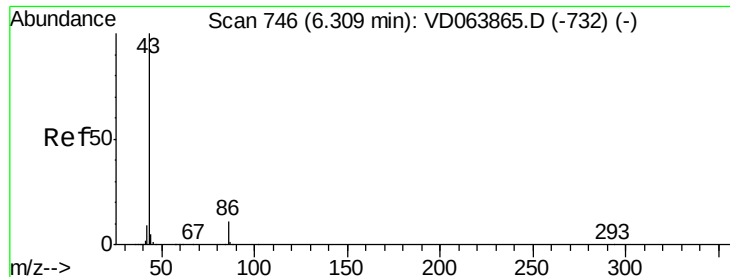
87 30.2 22.2 33.4

59 10.8 9.2 13.8



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





#23

Vinyl Acetate

Concen: 280.122 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

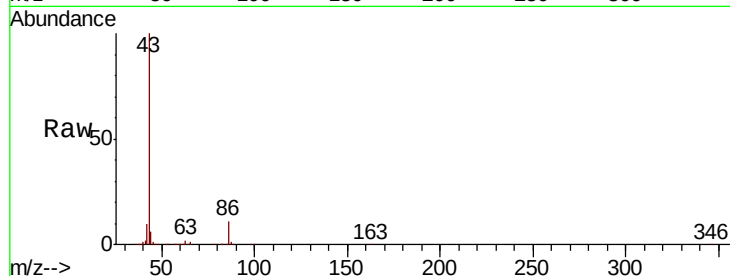
ClientSampleId :

Tot Ion: 43 Resp: 741223

Ion Ratio Lower Upper

43 100

86 10.5 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

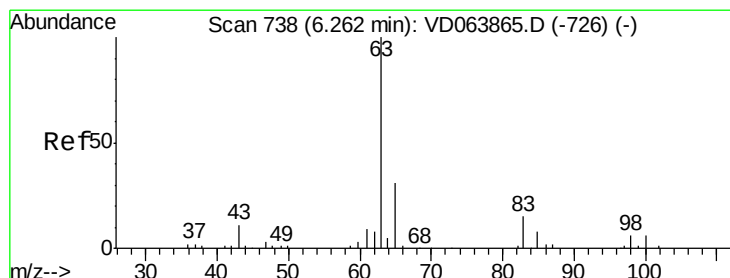
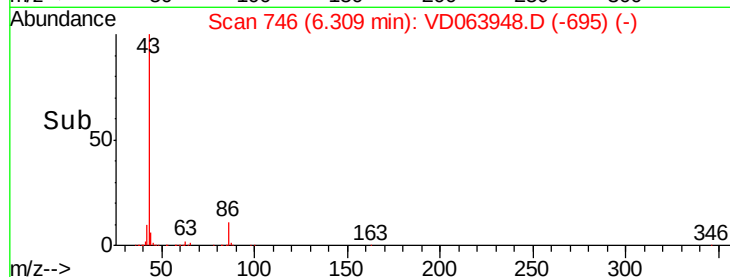
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.348 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

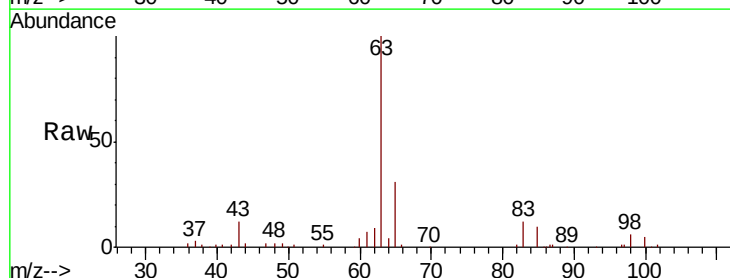
Tgt Ion: 63 Resp: 146163

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 5.0 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

50000

40000

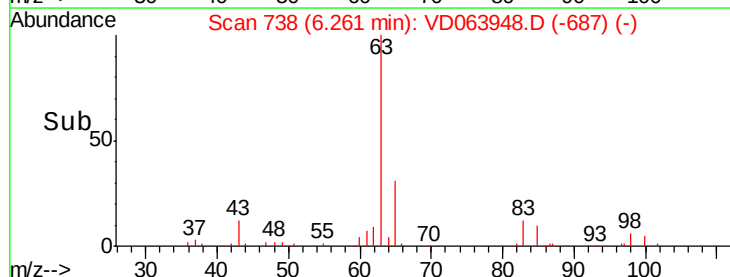
30000

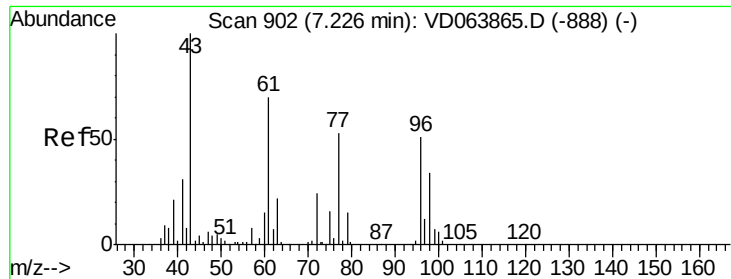
20000

10000

0

Time-->





#25

2-Butanone

Concen: 277.215 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

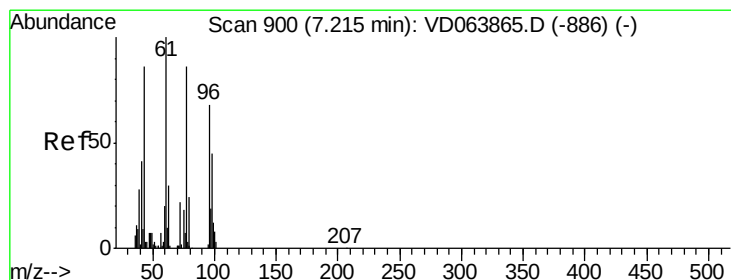
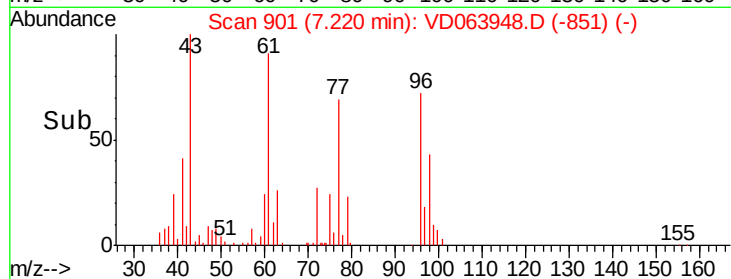
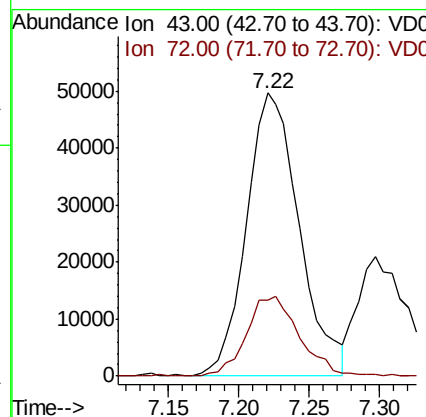
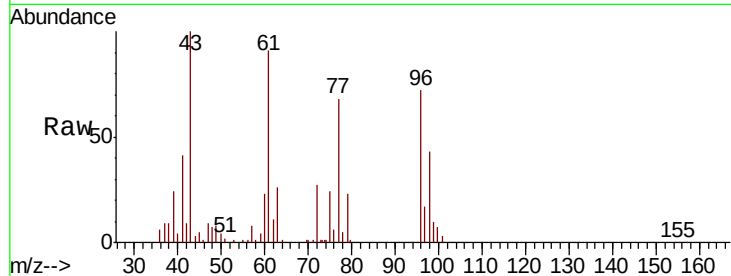
ClientSampled :

Tot Ion: 43 Resp: 130163

Ion Ratio Lower Upper

43 100

72 26.6 19.2 28.8



#26

2,2-Dichloropropane

Concen: 46.788 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063948.D

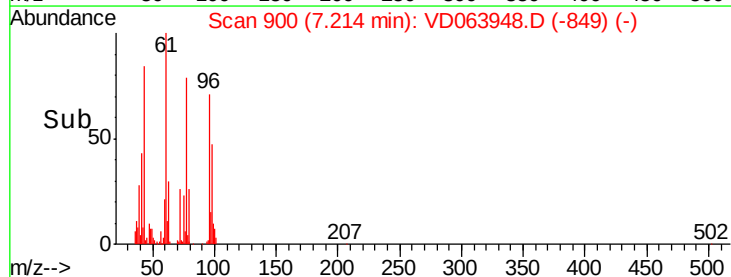
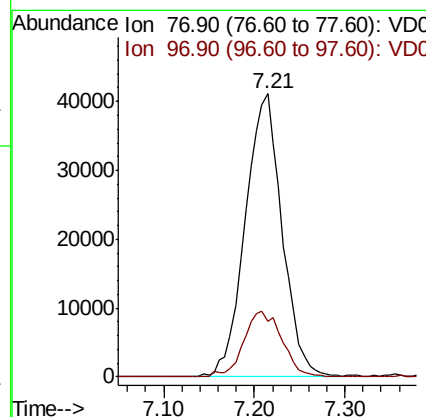
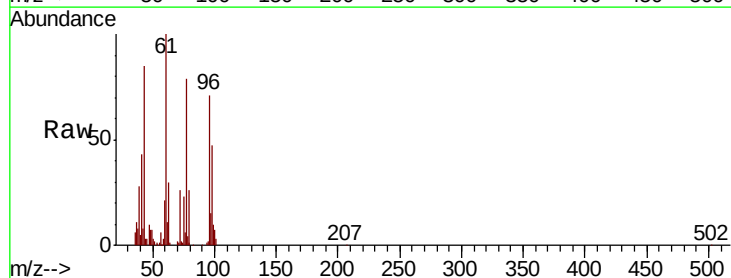
Acq: 11 Oct 2019 20:26

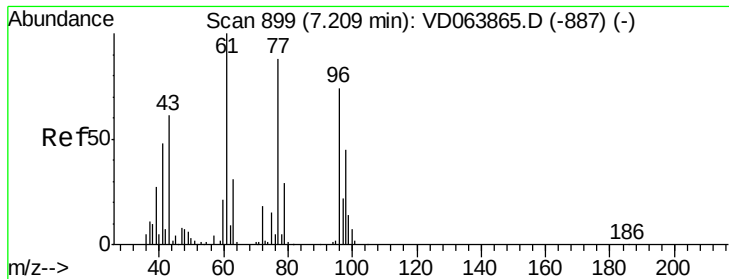
Tgt Ion: 77 Resp: 115960

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.1



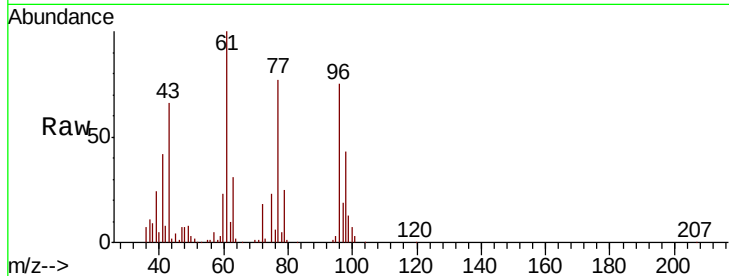


#27

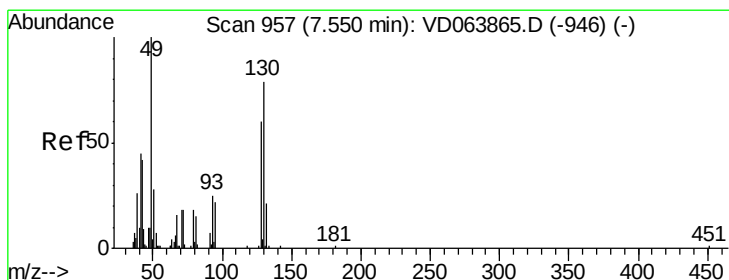
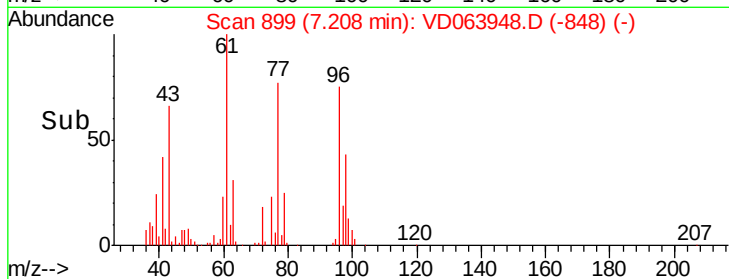
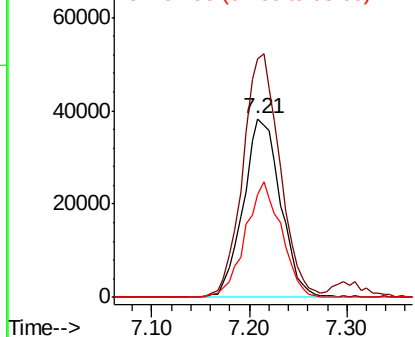
cis-1,2-Dichloroethene
 Concen: 55.426 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	280.0
98	62.8	0.0	130.4



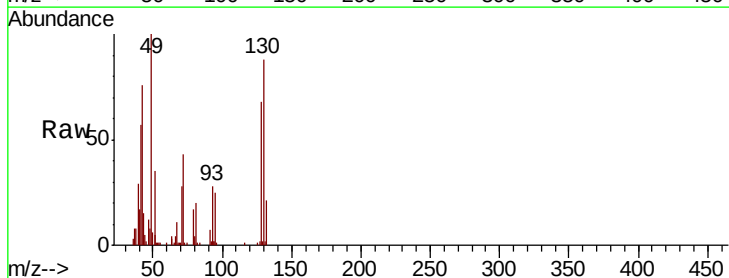
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



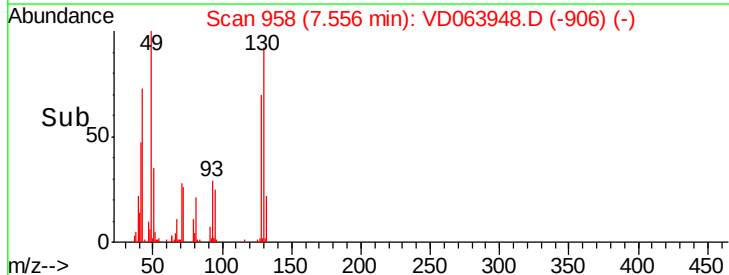
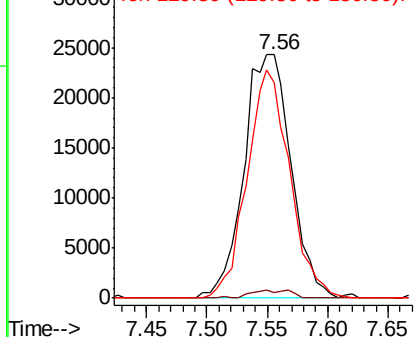
#28

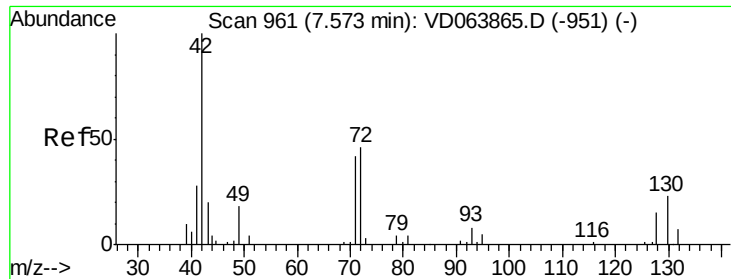
Bromochloromethane
 Concen: 62.570 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.6
130	85.1	66.8	100.2



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

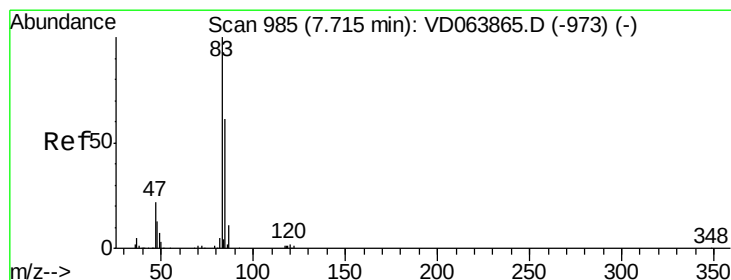
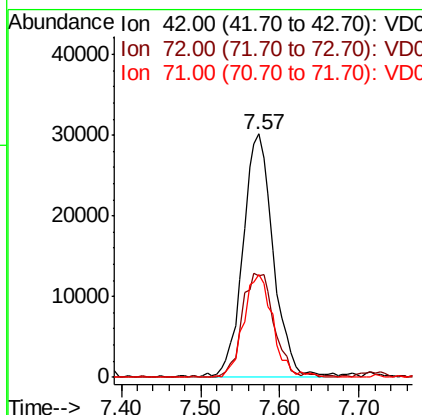
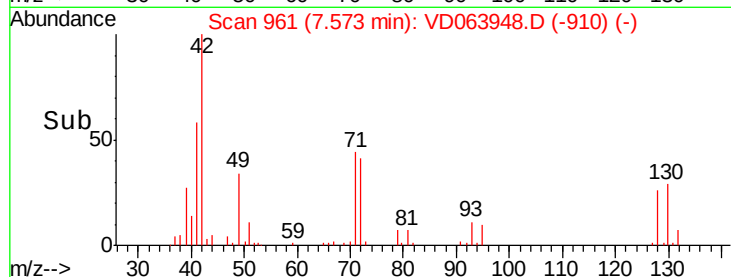
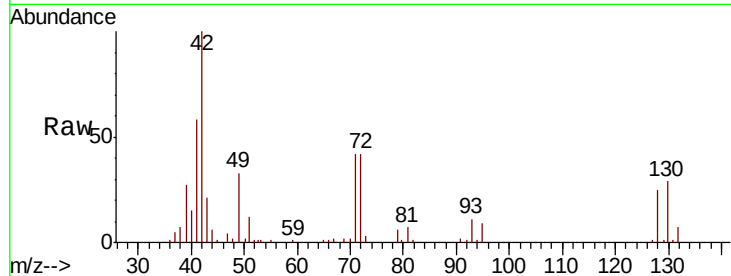




#29
Tetrahydrofuran
Concen: 293.650 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

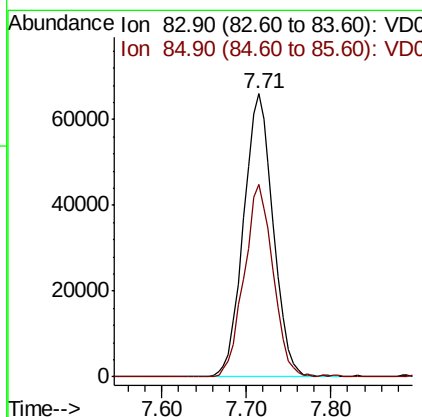
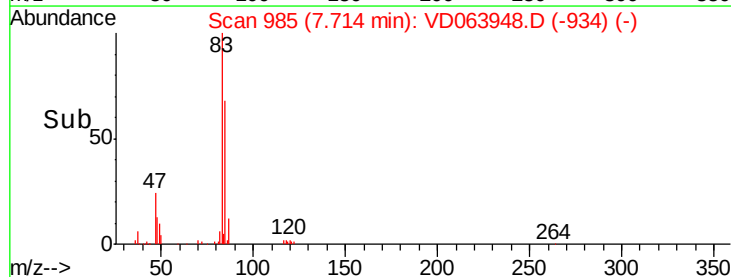
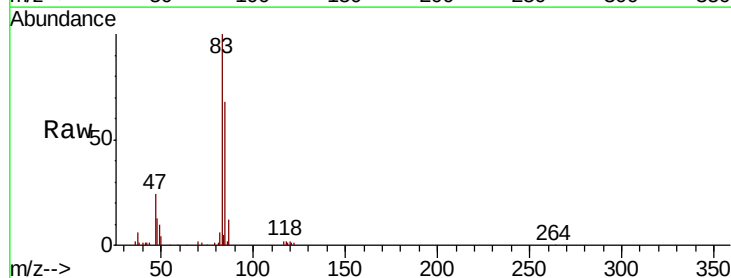
Instrument :
MSVOA_D
ClientSampled :

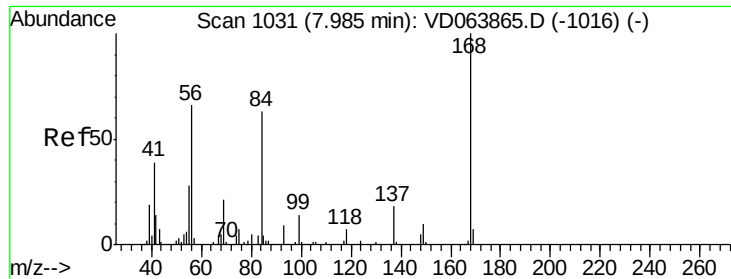
Tot Ion: 42 Resp: 80478
Ion Ratio Lower Upper
42 100
72 44.3 37.6 56.4
71 41.0 35.0 52.6



#30
Chloroform
Concen: 53.991 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 83 Resp: 160663
Ion Ratio Lower Upper
83 100
85 68.1 48.9 73.3

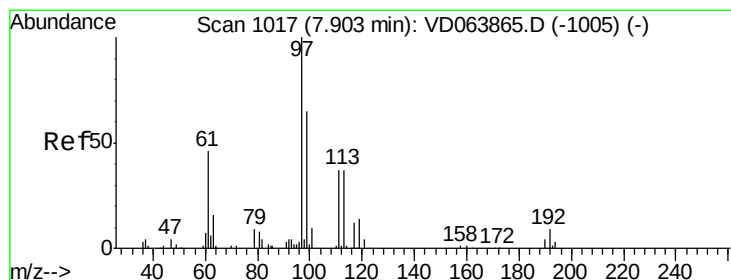
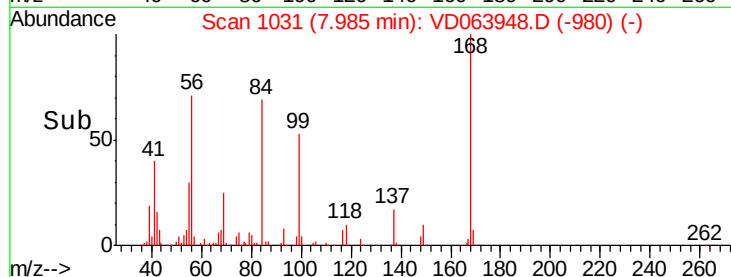
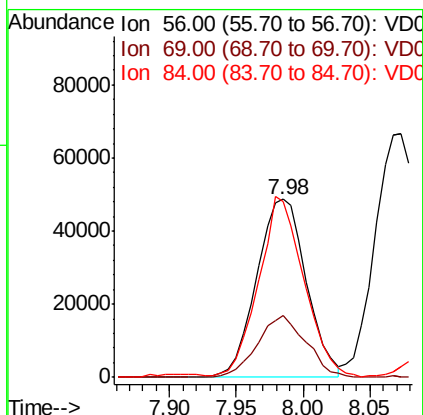
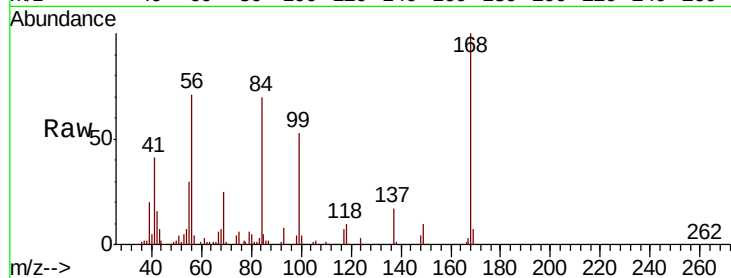




#31
Cyclohexane
Concen: 55.876 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

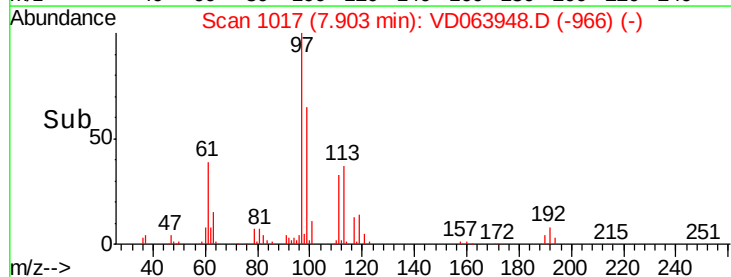
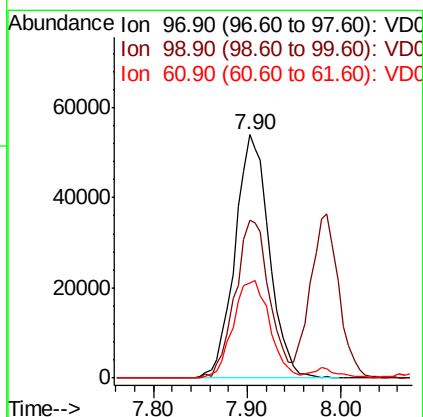
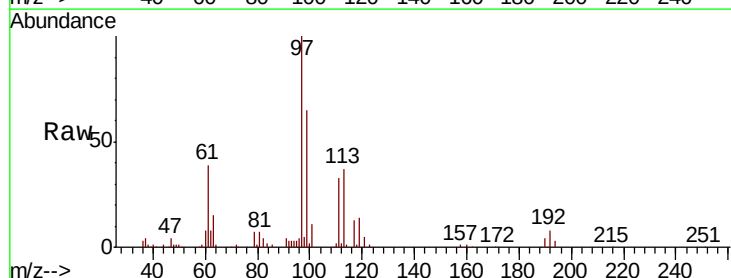
Instrument :
MSVOA_D
ClientSampleId :

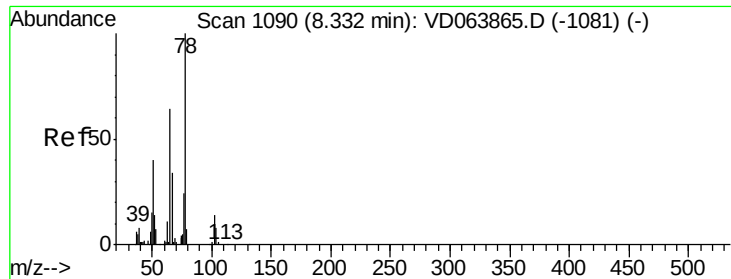
Tot Ion: 56 Resp: 125508
Ion Ratio Lower Upper
56 100
69 34.3 25.0 37.4
84 97.0 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 53.401 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 97 Resp: 136312
Ion Ratio Lower Upper
97 100
99 65.1 52.4 78.6
61 42.7 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 52.519 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

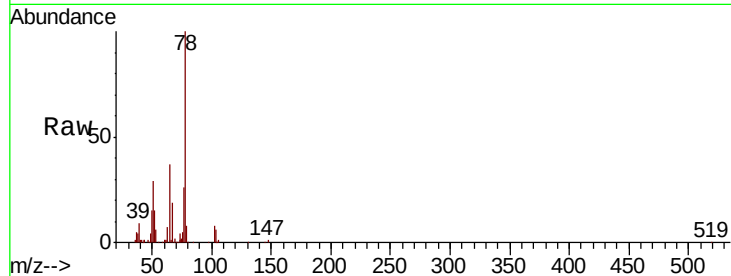
ClientSampleId :

Tot Ion: 65 Resp: 79921

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

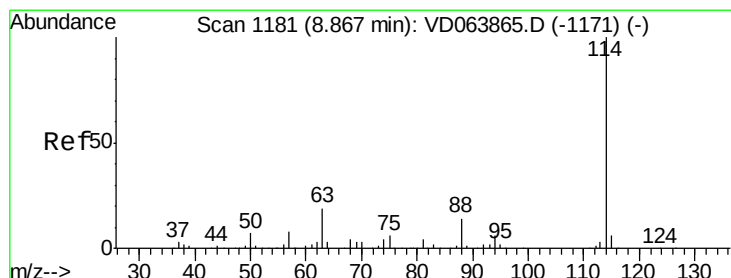
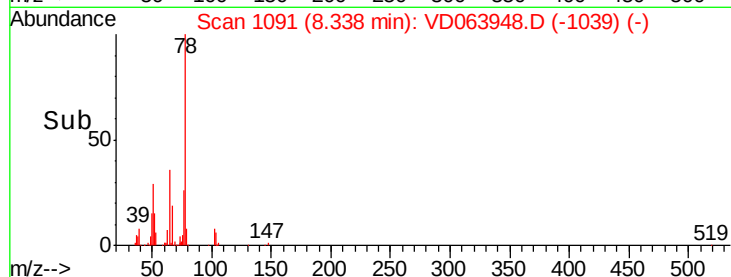
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

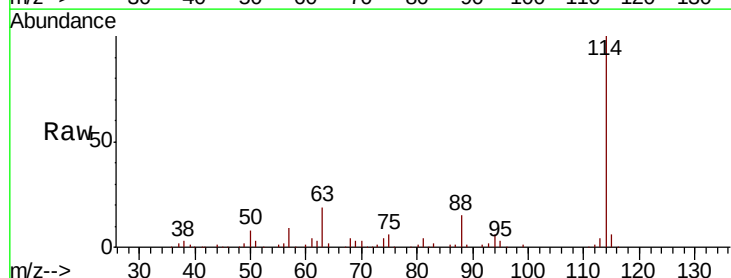
Tgt Ion: 114 Resp: 262951

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 14.7 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

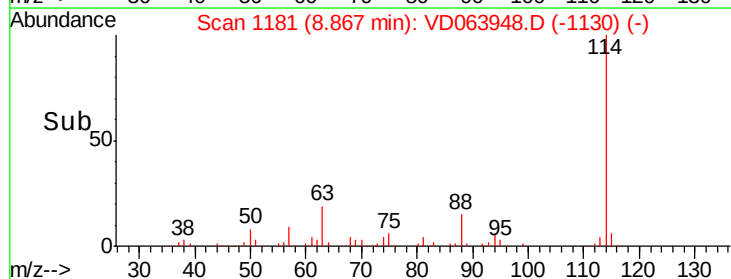
100000

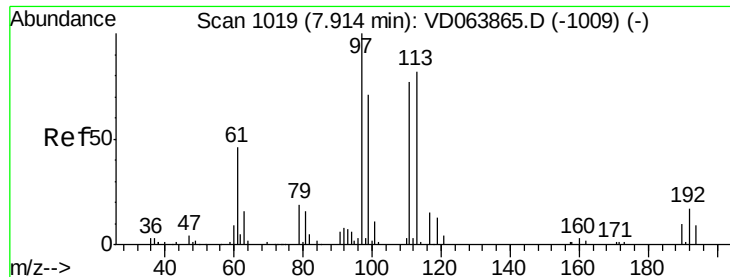
50000

0

8.80 8.90 9.00

Time-->

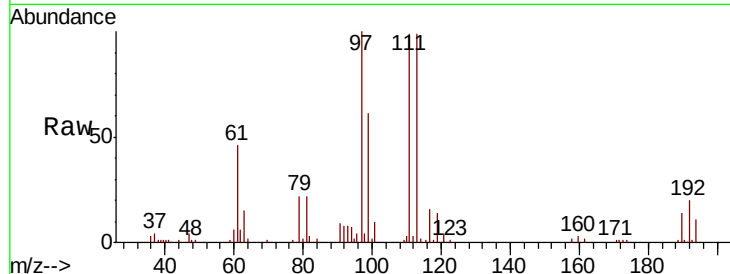




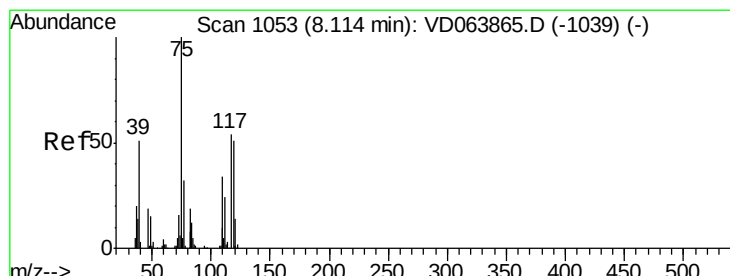
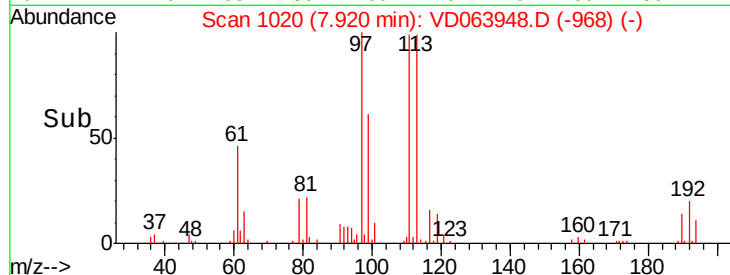
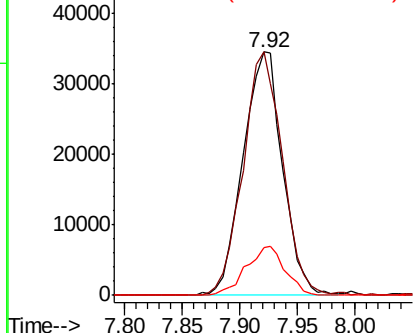
#35
 Dibromofluoromethane
 Concen: 51.336 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 82496
 Ion Ratio Lower Upper
 113 100
 111 99.5 82.6 123.8
 192 19.6 17.1 25.7

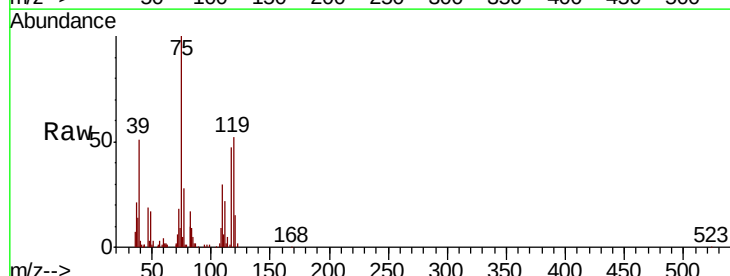


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

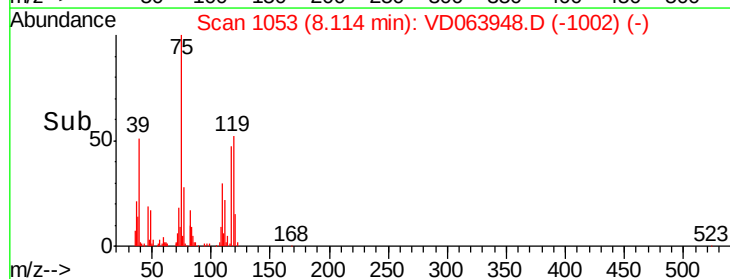
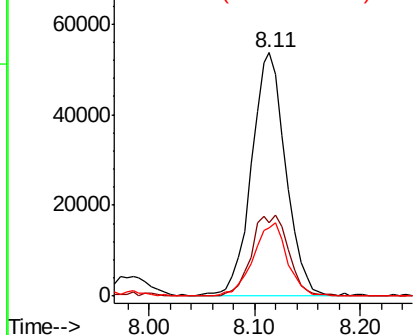


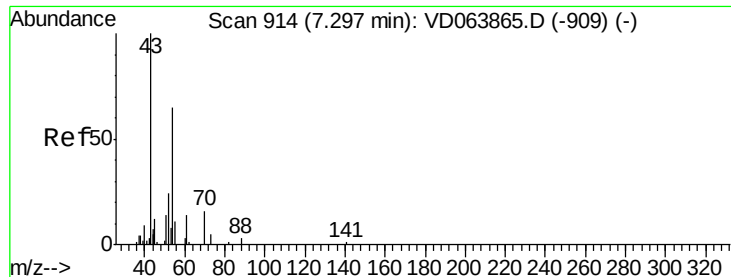
#36
 1,1-Dichloropropene
 Concen: 50.414 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion: 75 Resp: 121207
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.4 52.3
 77 29.8 25.4 38.0



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

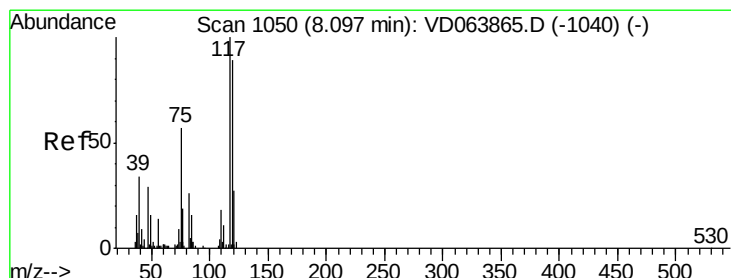
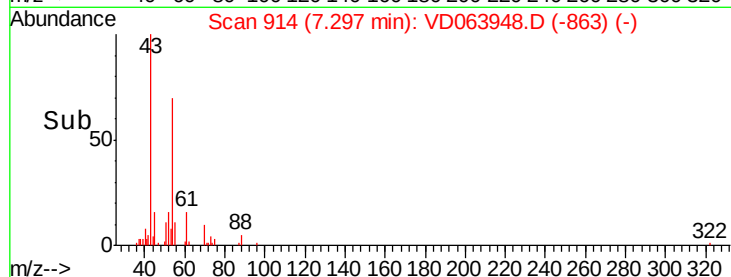
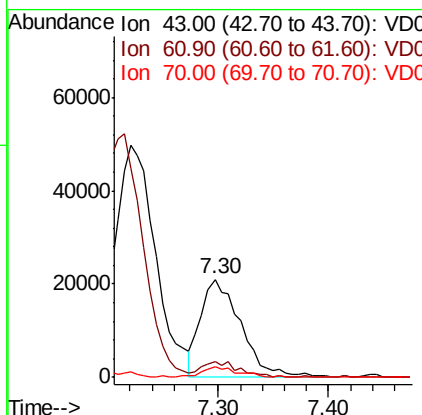
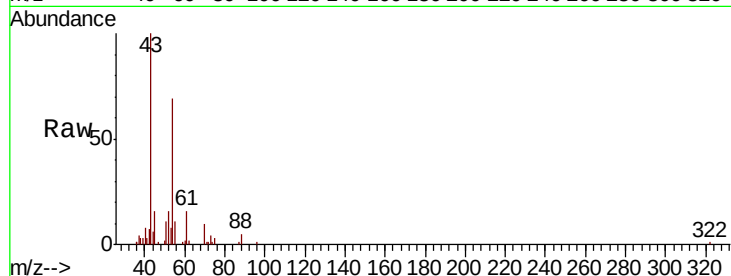




#37
Ethyl Acetate
Concen: 55.109 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

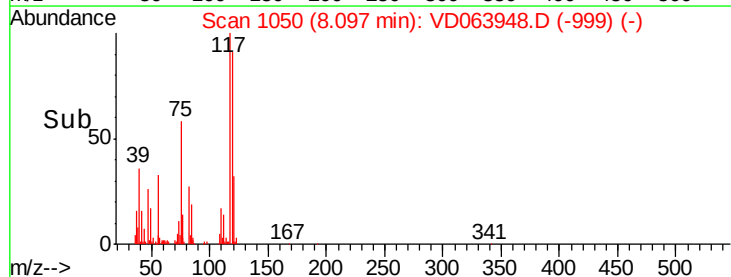
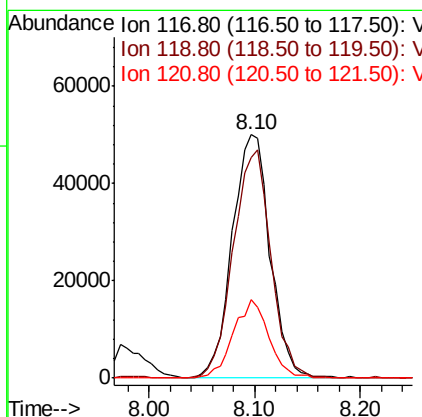
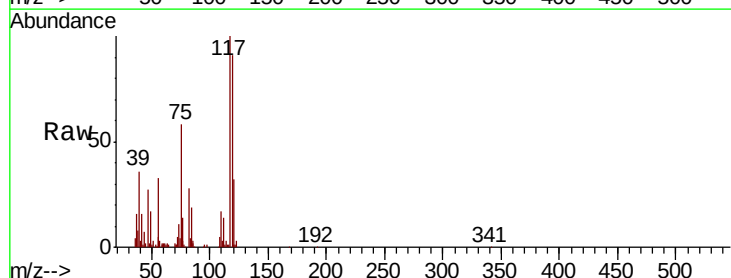
Instrument :
MSVOA_D
ClientSampleId :

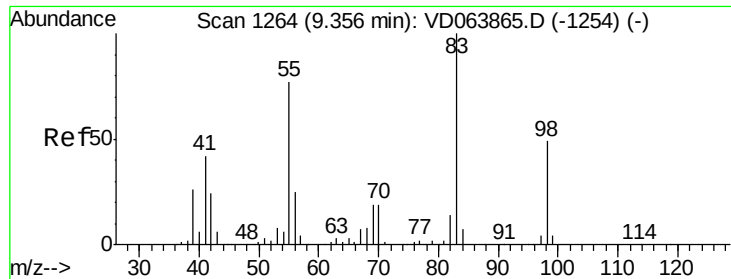
Tot Ion: 43 Resp: 52735
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 9.4 8.2 12.4



#38
Carbon Tetrachloride
Concen: 51.099 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 117 Resp: 124149
Ion Ratio Lower Upper
117 100
119 90.8 70.8 106.2
121 32.2 21.4 32.0#

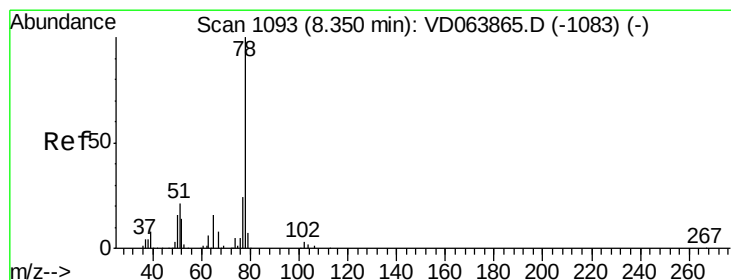
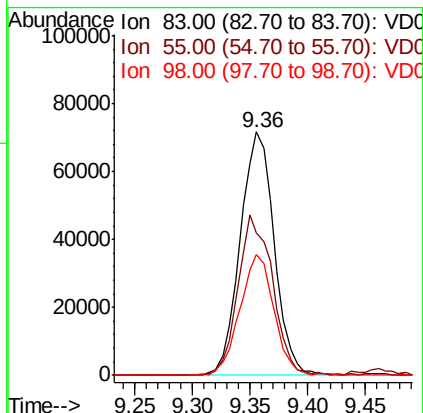
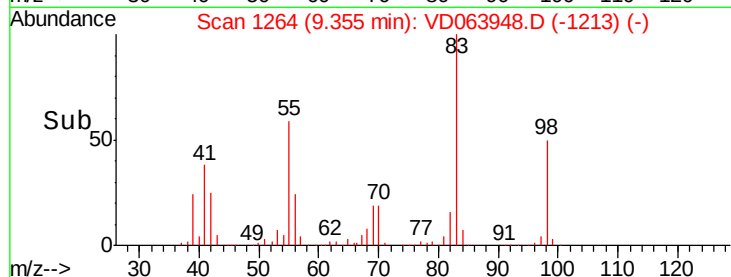
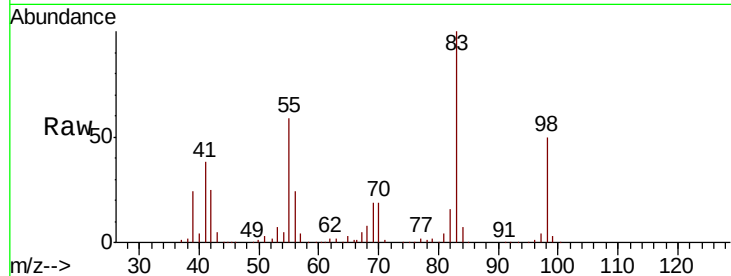




#39
Methylvlcyclohexane
Concen: 49.688 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

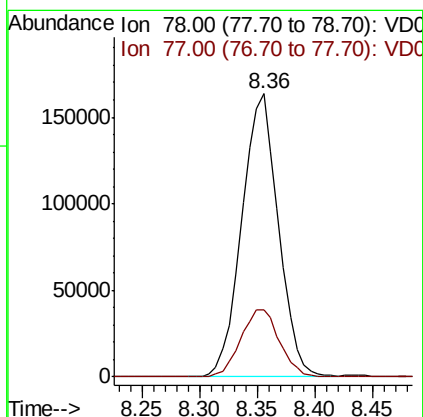
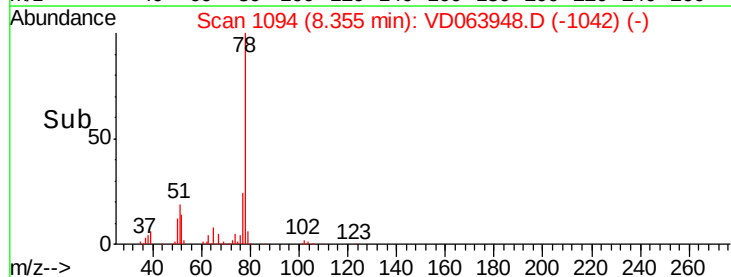
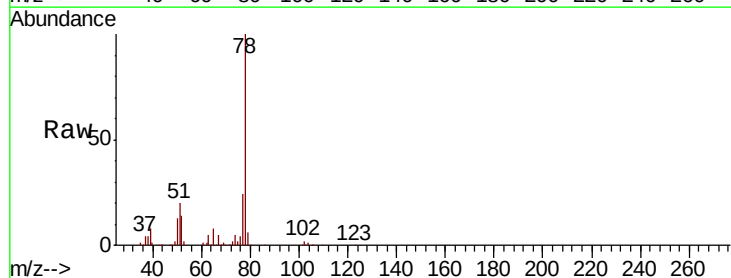
Instrument :
MSVOA_D
ClientSampleId :

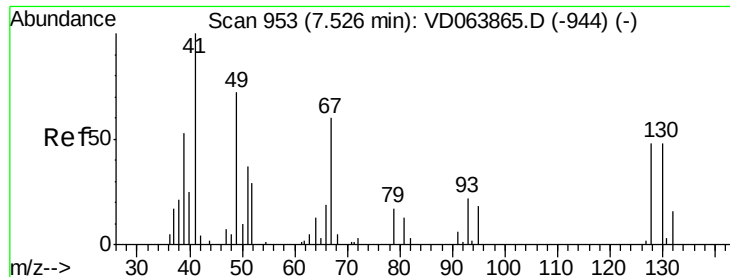
Tot Ion: 83 Resp: 146885
Ion Ratio Lower Upper
83 100
55 58.5 61.3 91.9#
98 49.7 39.3 58.9



#40
Benzene
Concen: 52.283 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 78 Resp: 360218
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

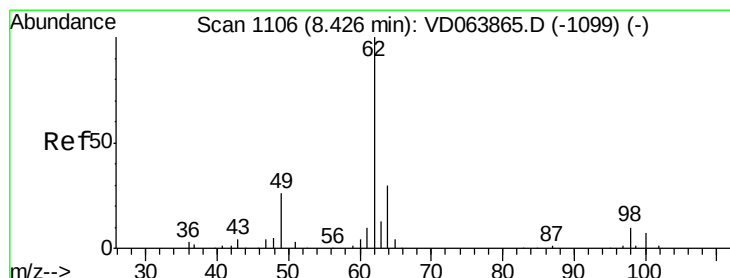
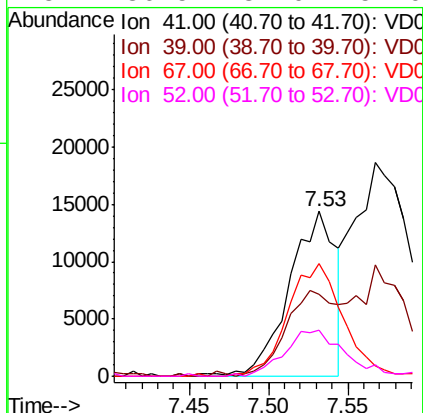
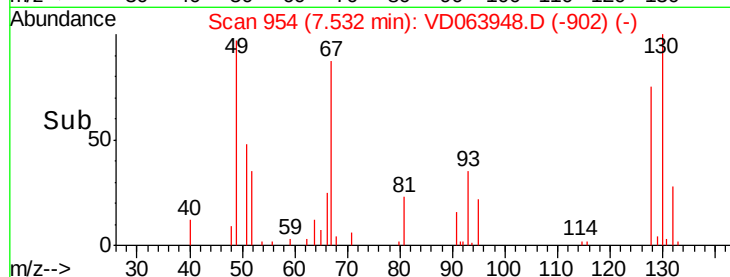
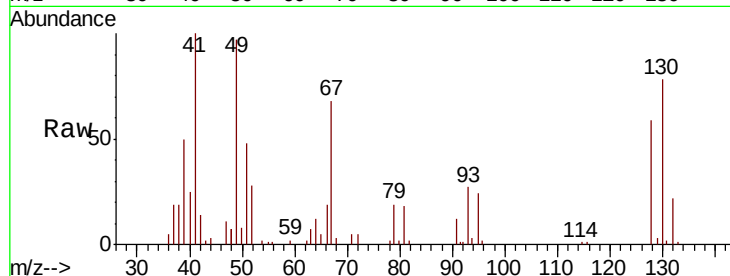




#41
Methacrylonitrile
Concen: 52.755 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

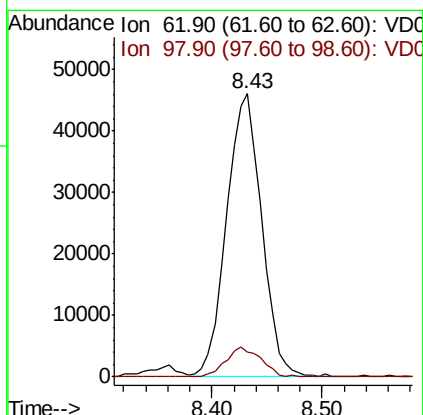
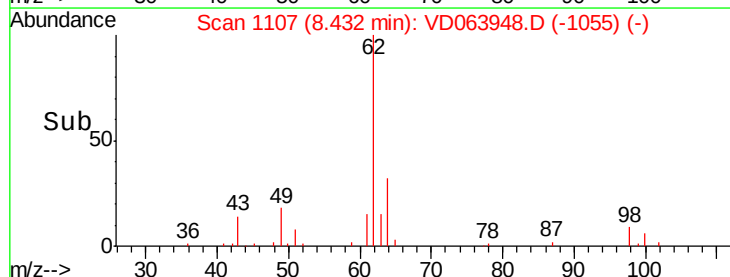
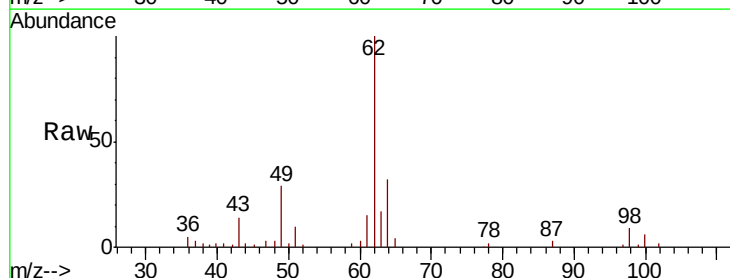
Instrument :
MSVOA_D
ClientSampleId :

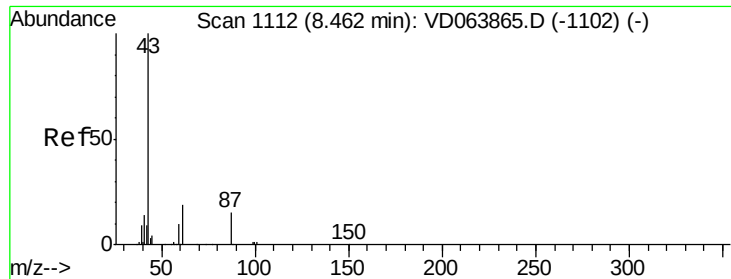
Tot Ion: 41 Resp: 29406
Ion Ratio Lower Upper
41 100
39 55.3 52.6 78.8
67 81.2 74.2 111.2
52 36.5 34.0 51.0



#42
1,2-Dichloroethane
Concen: 51.661 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 62 Resp: 102959
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.0





#43

Isopropyl Acetate

Concen: 50.941 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

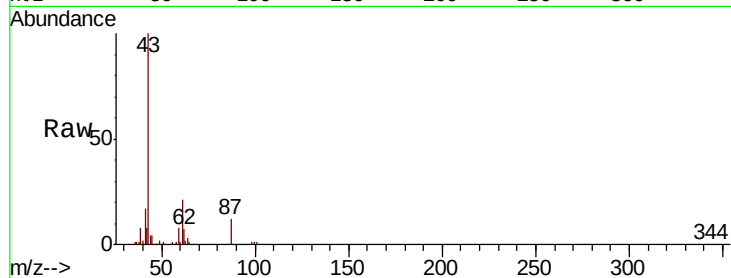
Tot Ion: 43 Resp: 102710

Ion Ratio Lower Upper

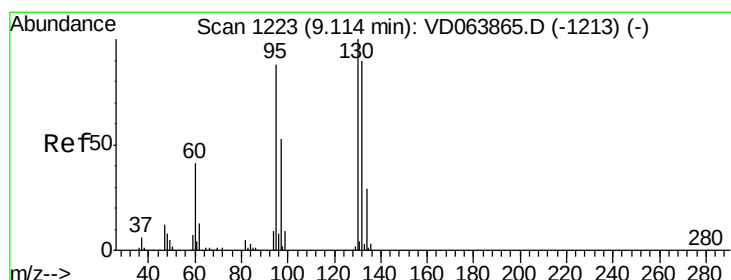
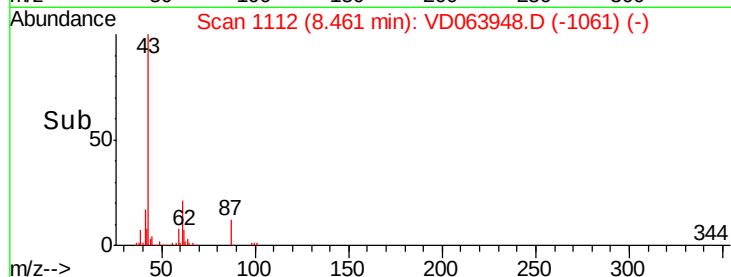
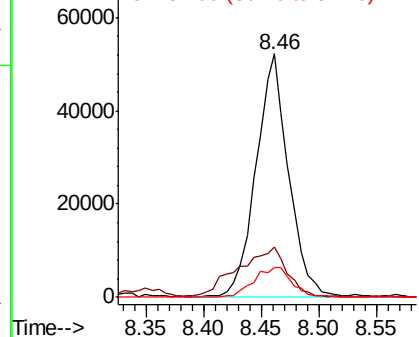
43 100

61 31.3 25.7 38.5

87 14.3 11.6 17.4



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



#44

Trichloroethene

Concen: 48.765 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063948.D

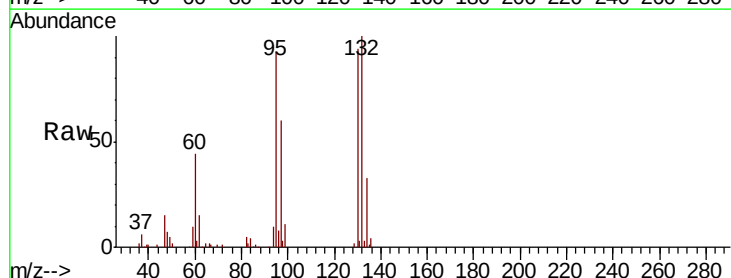
Acq: 11 Oct 2019 20:26

Tgt Ion:130 Resp: 96884

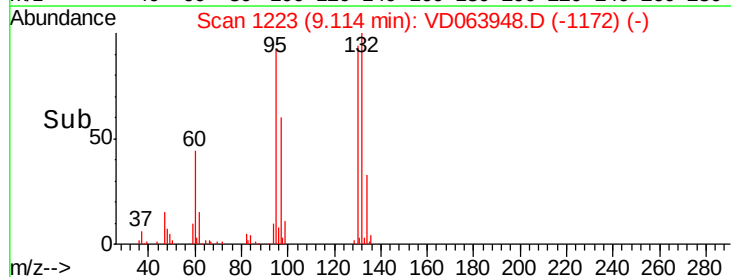
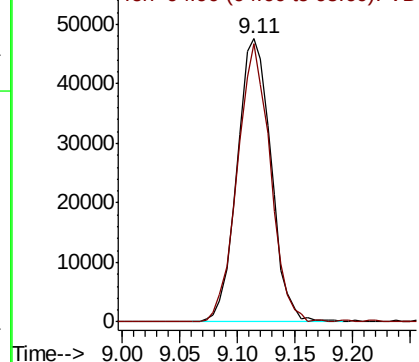
Ion Ratio Lower Upper

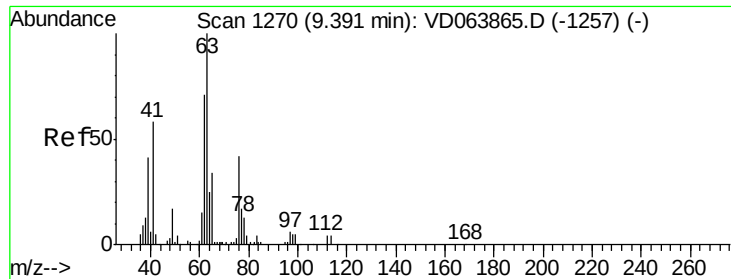
130 100

95 98.1 0.0 175.6



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

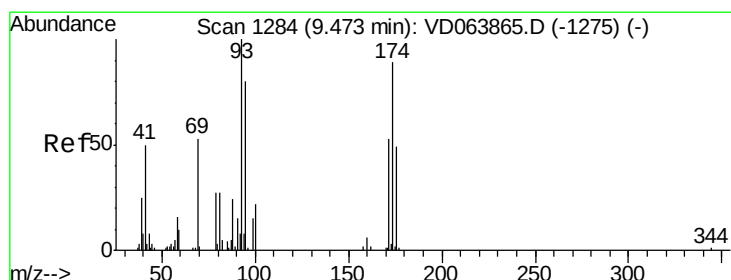
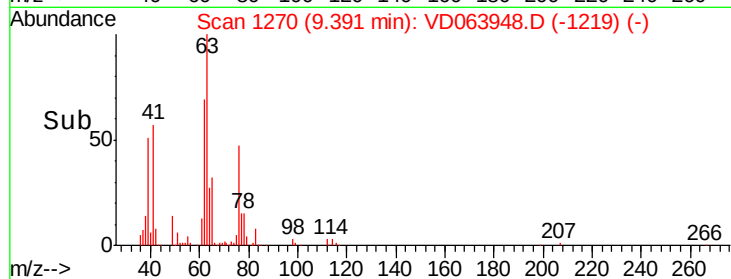
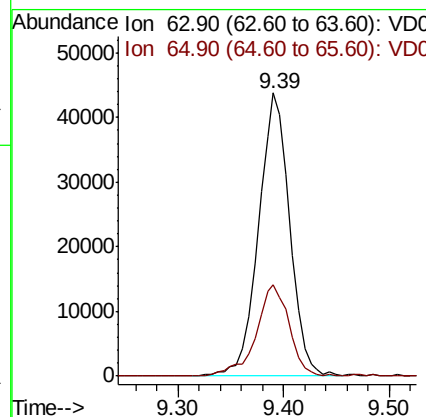
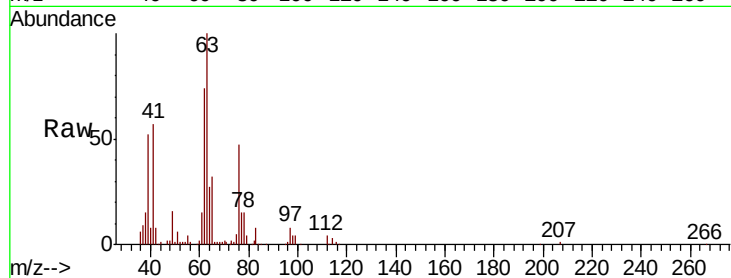




#45
 1,2-Dichloropropane
 Concen: 53.196 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

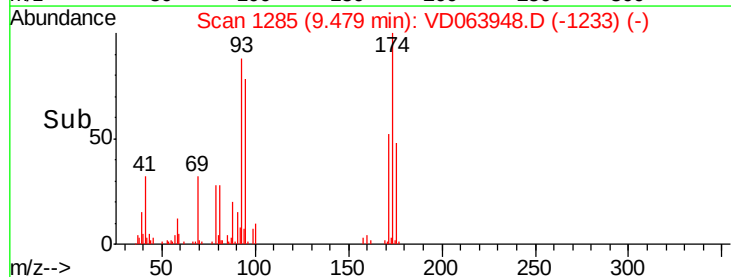
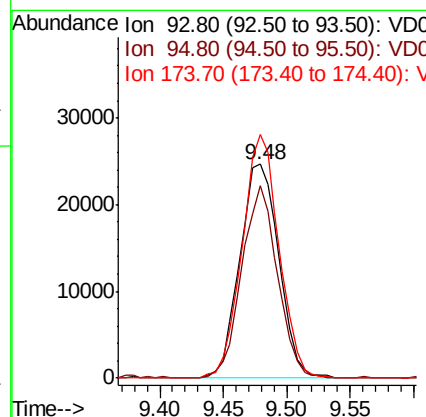
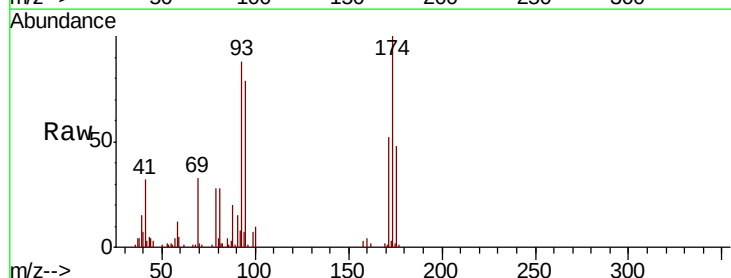
Instrument :
 MSVOA_D
 ClientSampleId :

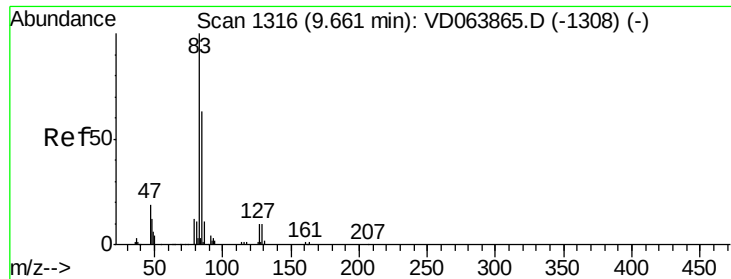
Tot Ion: 63 Resp: 89709
 Ion Ratio Lower Upper
 63 100
 65 32.4 27.3 40.9



#46
 Dibromomethane
 Concen: 54.924 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion: 93 Resp: 52750
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.0 99.0
 174 107.2 83.4 125.0

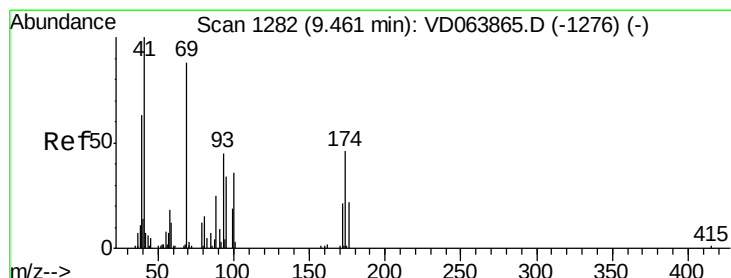
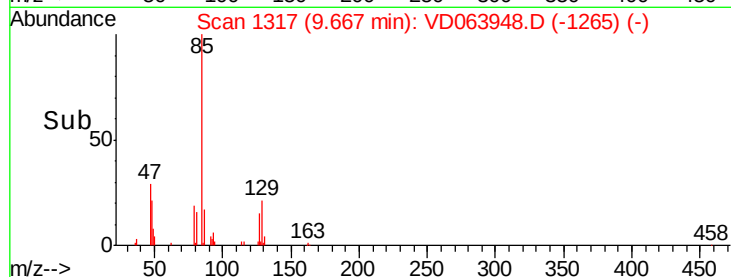
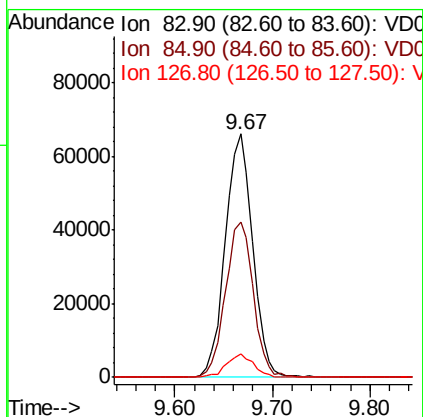
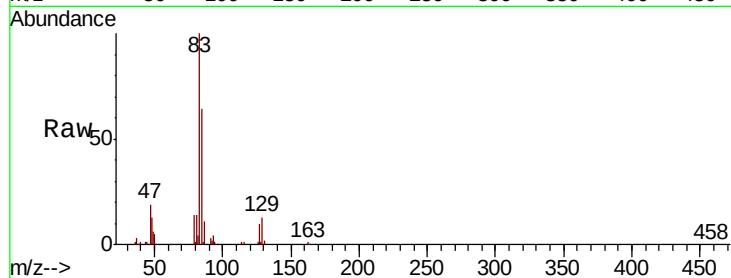




#47
Bromodichloromethane
Concen: 52.144 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

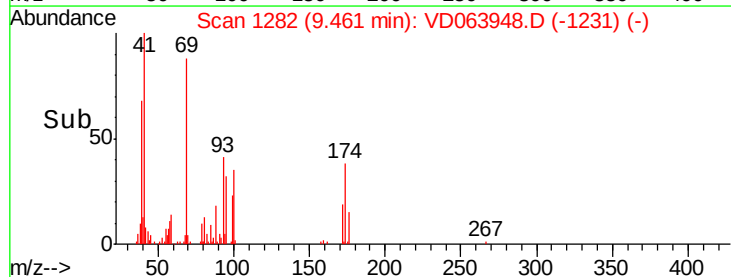
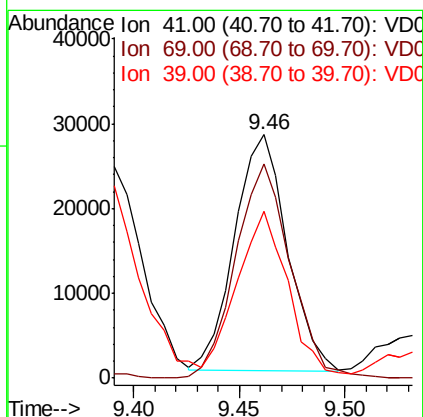
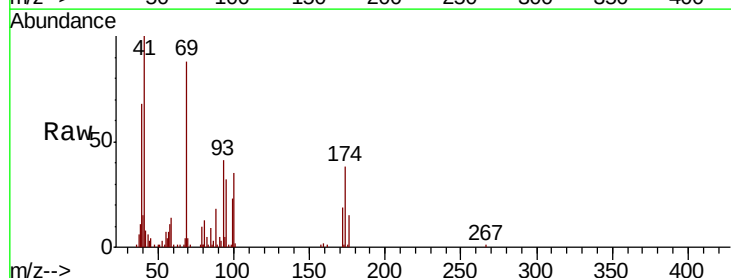
Instrument :
MSVOA_D
ClientSampleId :

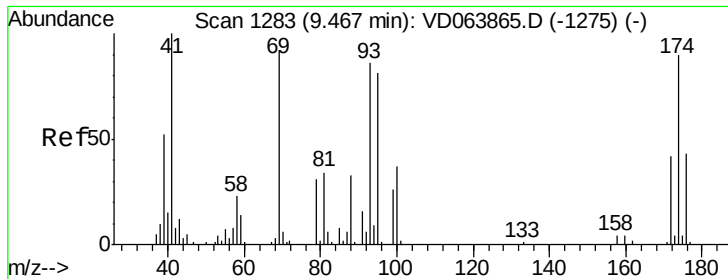
Tot Ion: 83 Resp: 128938
Ion Ratio Lower Upper
83 100
85 63.8 50.2 75.2
127 9.5 7.6 11.4



#48
Methyl methacrylate
Concen: 50.289 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 41 Resp: 48582
Ion Ratio Lower Upper
41 100
69 93.9 75.1 112.7
39 67.9 50.2 75.2





#49

1,4-Dioxane

Concen: 1146.411 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :
MSVOA_D
ClientSampled :

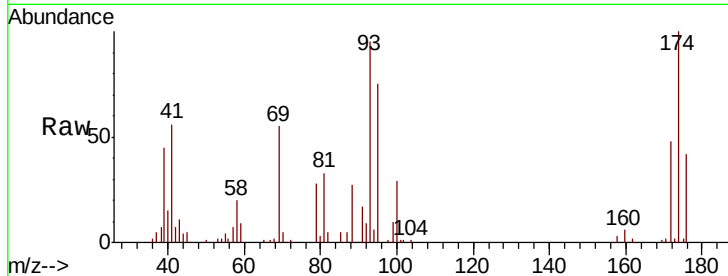
Tot Ion: 88 Resp: 15029

Ion Ratio Lower Upper

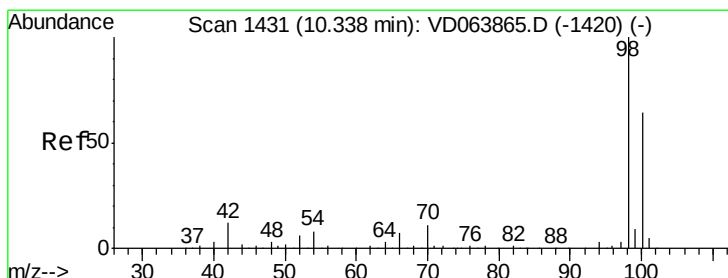
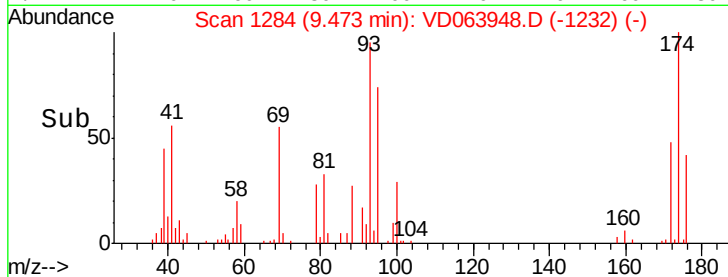
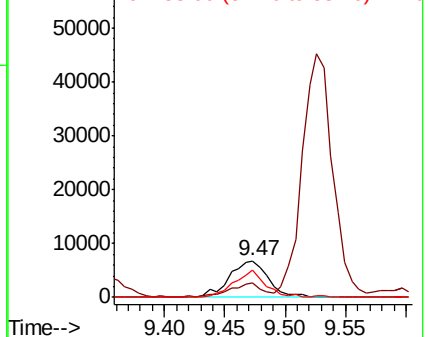
88 100

43 34.1 27.6 41.4

58 60.9 54.1 81.1



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: 51.439 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063948.D

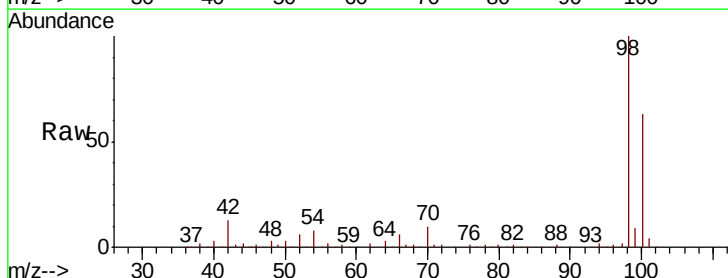
Acq: 11 Oct 2019 20:26

Tgt Ion: 98 Resp: 335510

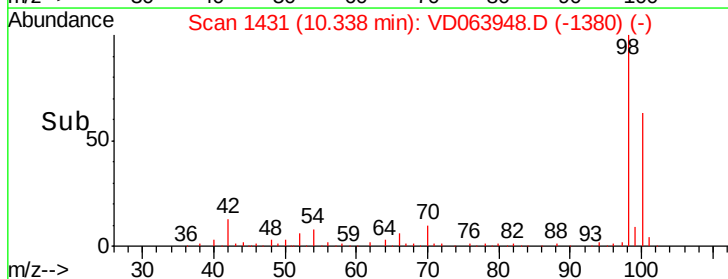
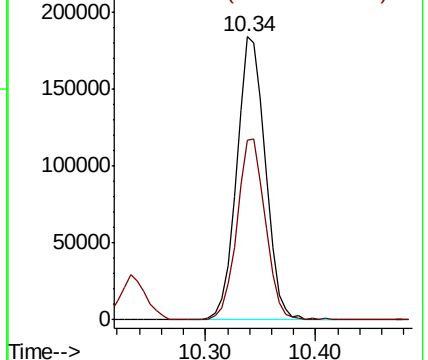
Ion Ratio Lower Upper

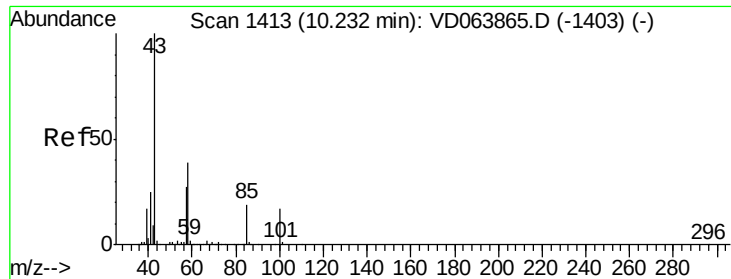
98 100

100 63.4 52.1 78.1



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: 274.076 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

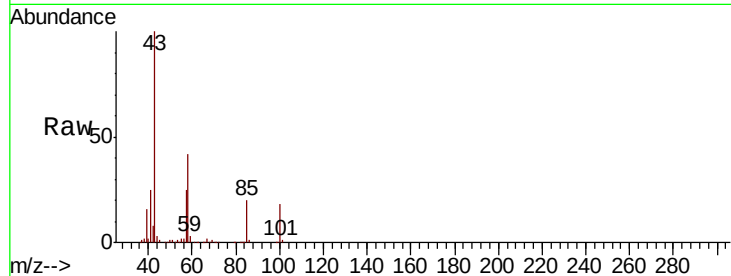
ClientSampleId :

Tot Ion: 43 Resp: 286596

Ion Ratio Lower Upper

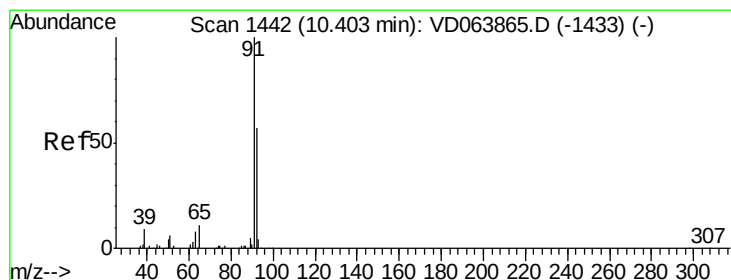
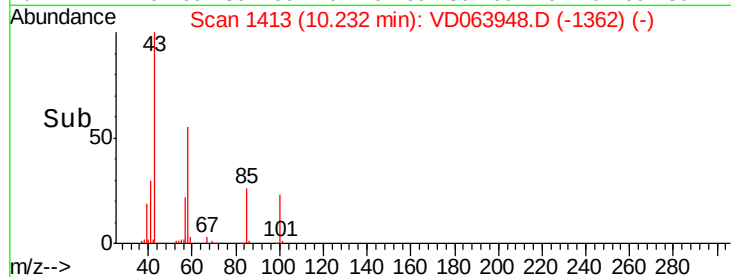
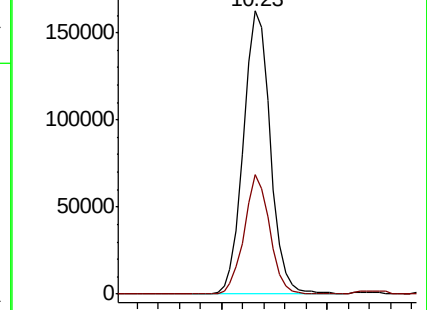
43 100

58 40.1 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.758 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063948.D

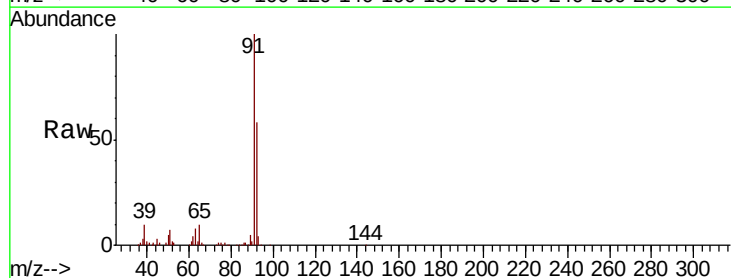
Acq: 11 Oct 2019 20:26

Tgt Ion: 92 Resp: 249530

Ion Ratio Lower Upper

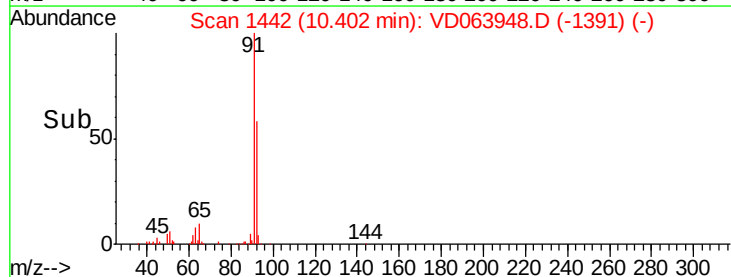
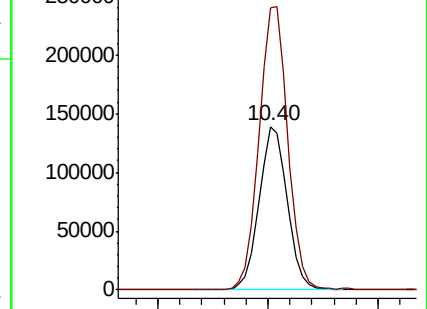
92 100

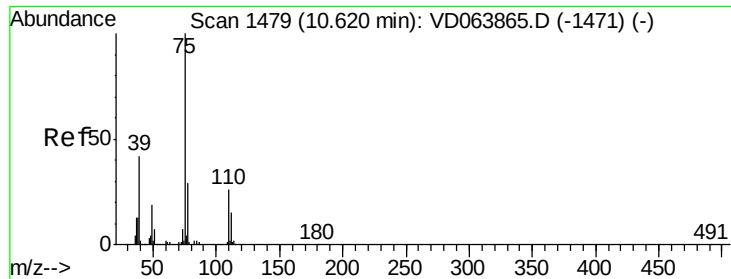
91 176.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

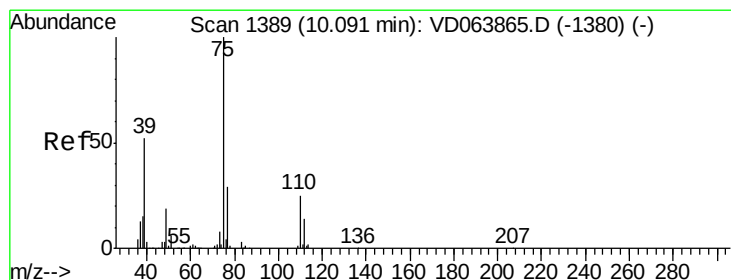
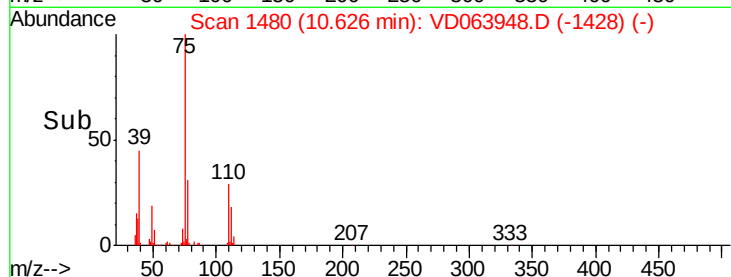
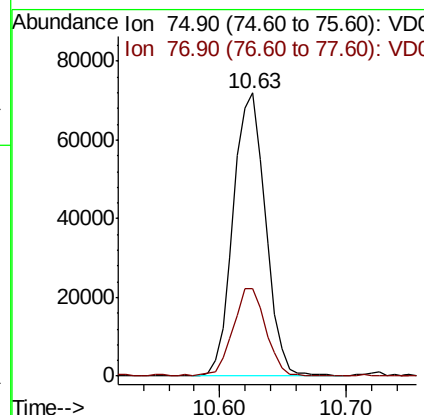
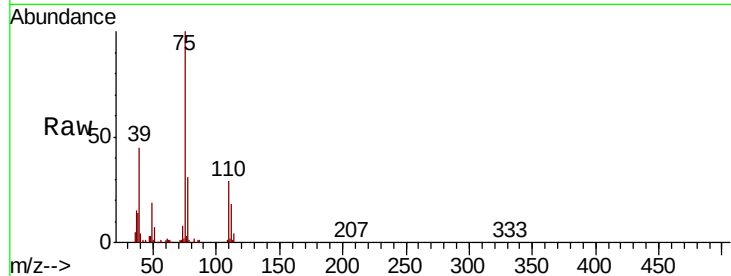




#53
t-1,3-Dichloropropene
Concen: 52.594 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

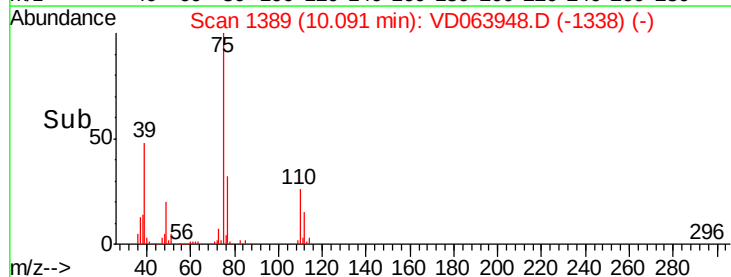
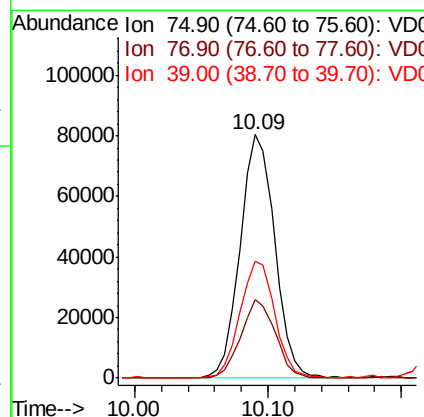
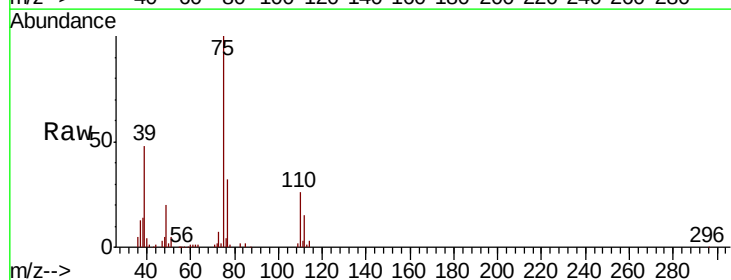
Instrument :
MSVOA_D
ClientSampleId :

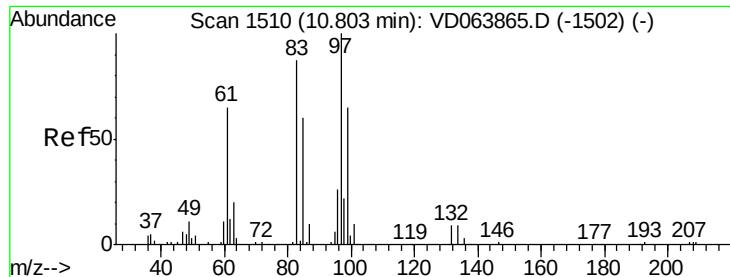
Tot Ion: 75 Resp: 126905
Ion Ratio Lower Upper
75 100
77 31.1 22.8 34.2



#54
cis-1,3-Dichloropropene
Concen: 51.999 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 75 Resp: 144427
Ion Ratio Lower Upper
75 100
77 32.2 23.2 34.8
39 47.8 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 55.051 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 74653

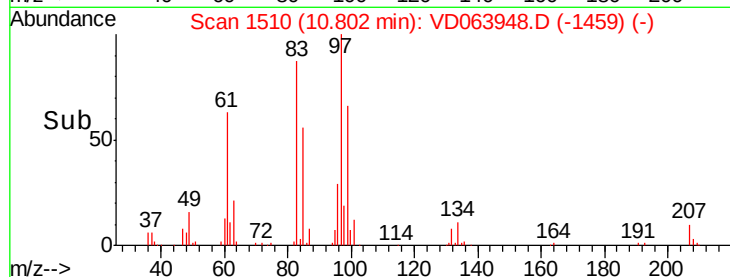
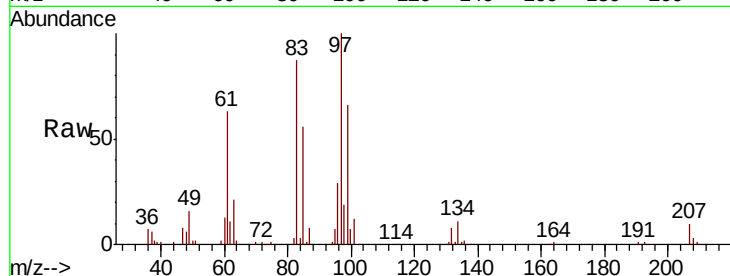
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.7	104.5
85	55.8	48.1	72.1
99	65.7	51.9	77.9

97 100

83 86.1 69.7 104.5

85 55.8 48.1 72.1

99 65.7 51.9 77.9



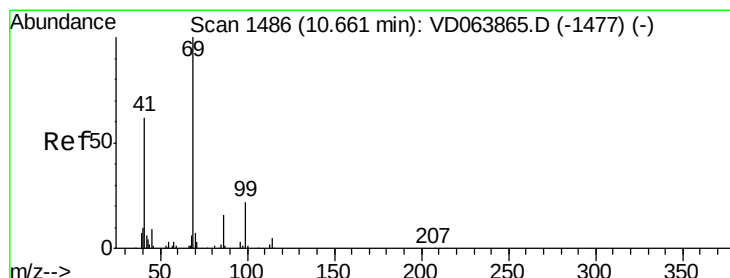
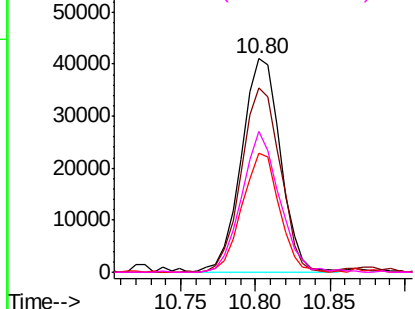
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 53.920 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

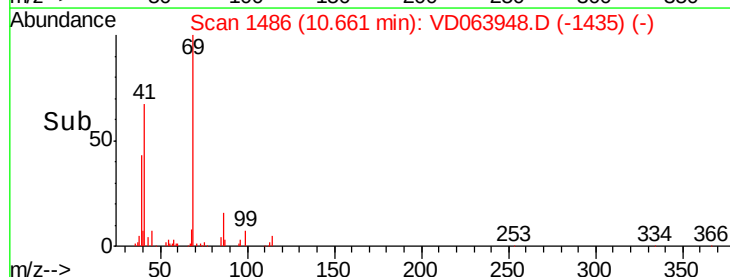
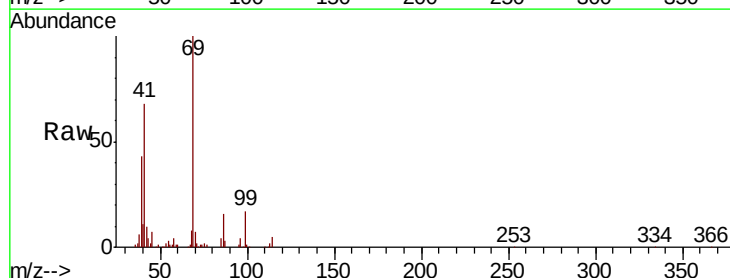
Tgt Ion: 69 Resp: 92594

Ion	Ratio	Lower	Upper
69	100		
41	65.8	51.3	76.9
39	38.7	28.0	42.0

69 100

41 65.8 51.3 76.9

39 38.7 28.0 42.0

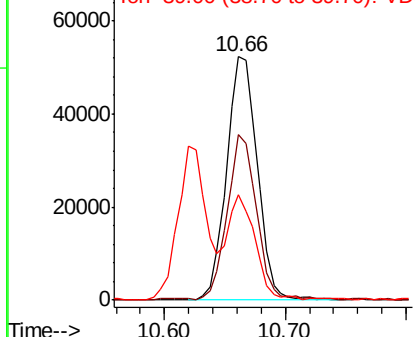


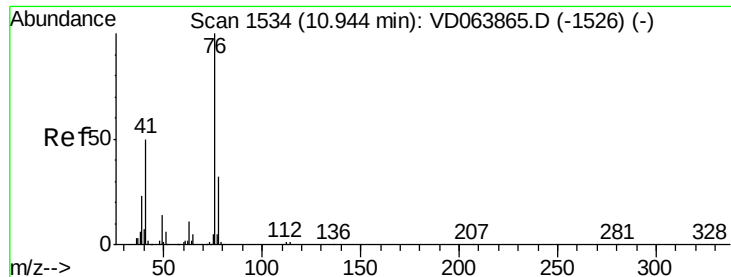
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 53.907 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

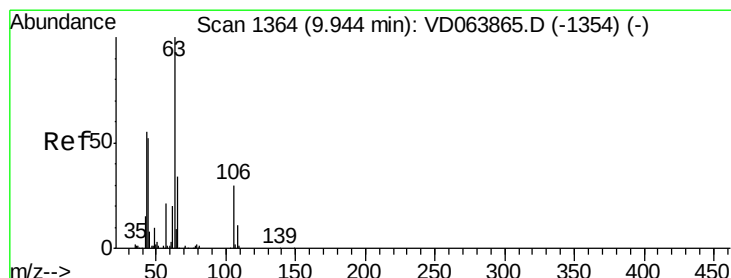
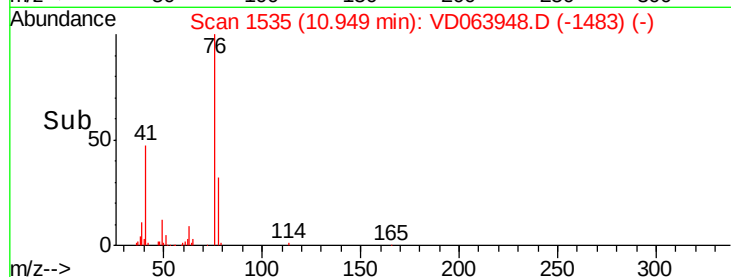
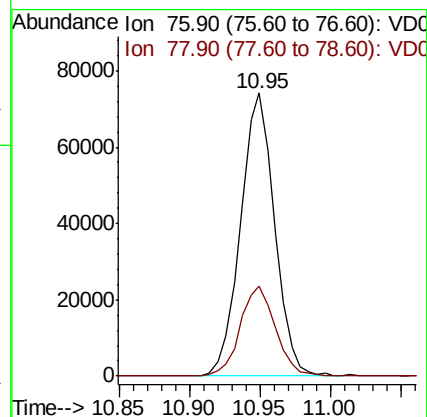
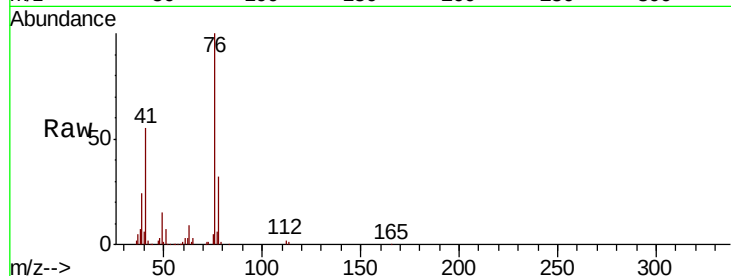
ClientSampled :

Tot Ion: 76 Resp: 125073

Ion Ratio Lower Upper

76 100

78 32.9 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 297.030 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063948.D

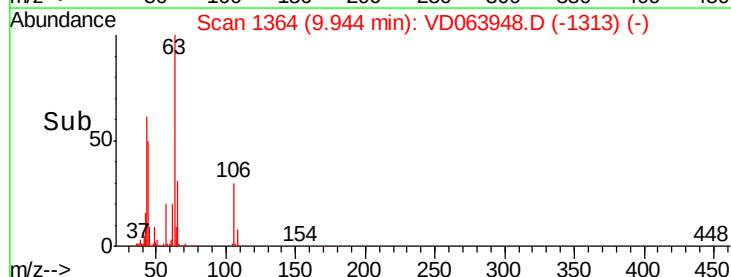
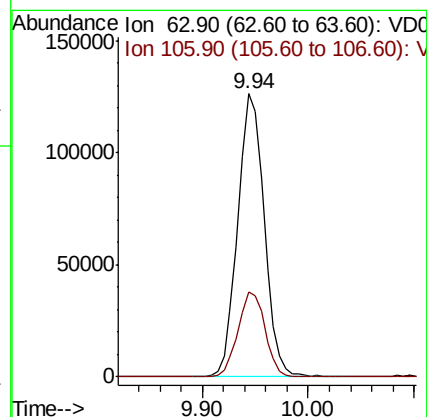
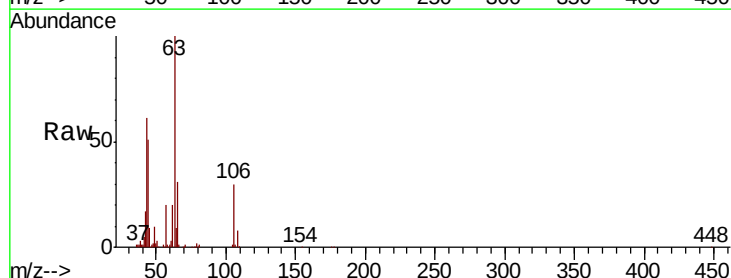
Acq: 11 Oct 2019 20:26

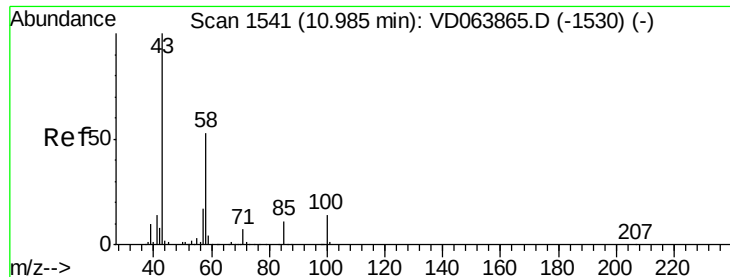
Tgt Ion: 63 Resp: 219251

Ion Ratio Lower Upper

63 100

106 30.6 24.3 36.5

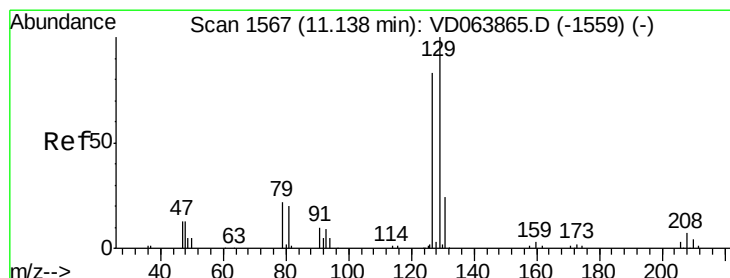
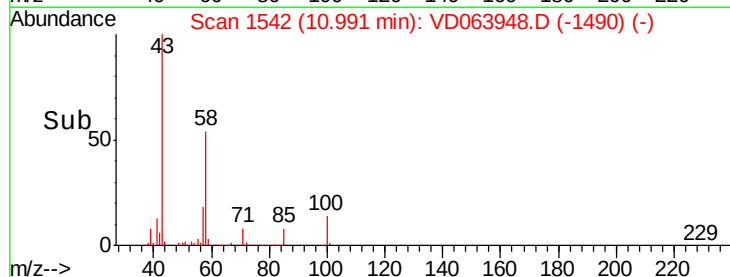
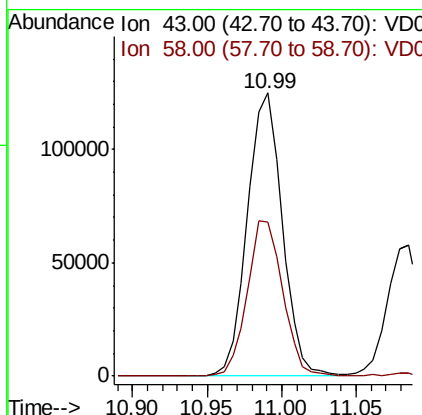
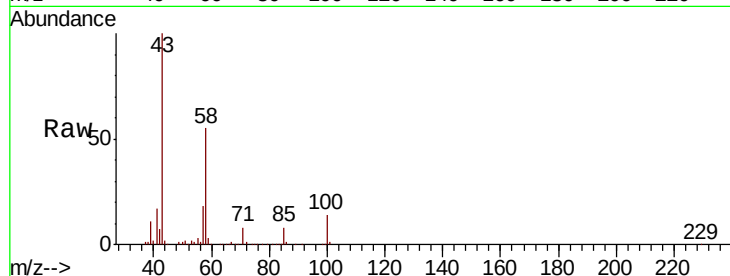




#59
2-Hexanone
Concen: 267.535 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

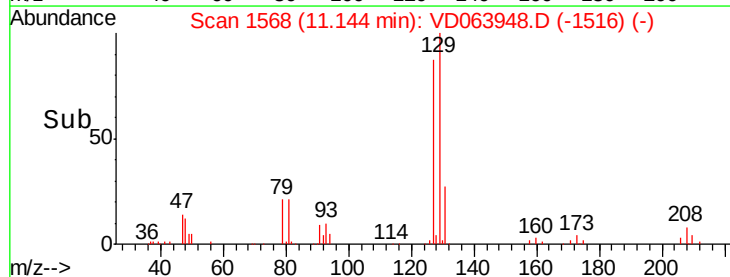
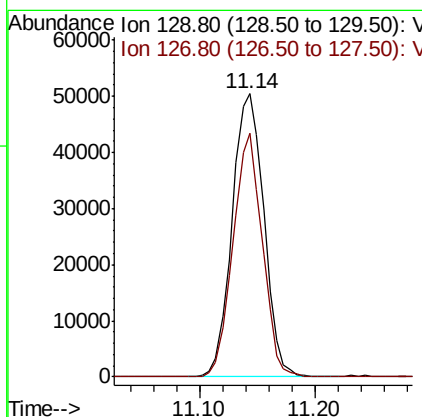
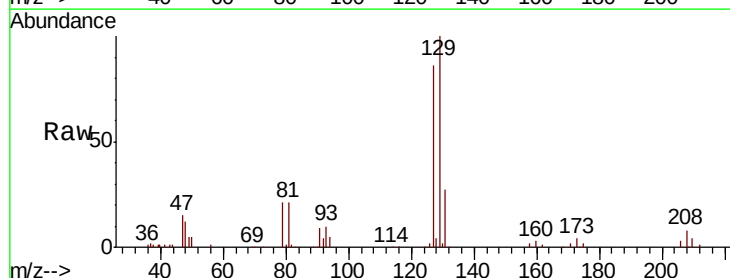
Instrument :
MSVOA_D
ClientSampled :

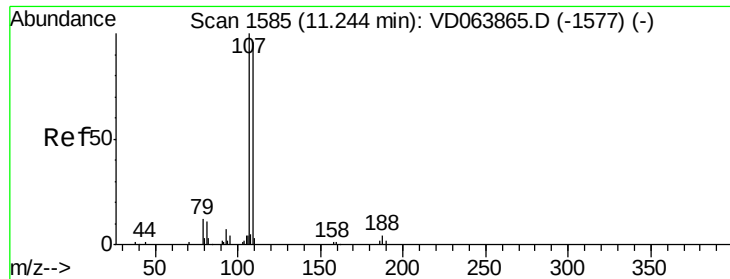
Tot Ion: 43 Resp: 202368
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.0



#60
Dibromochloromethane
Concen: 54.413 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion: 129 Resp: 96063
Ion Ratio Lower Upper
129 100
127 79.5 39.9 119.6

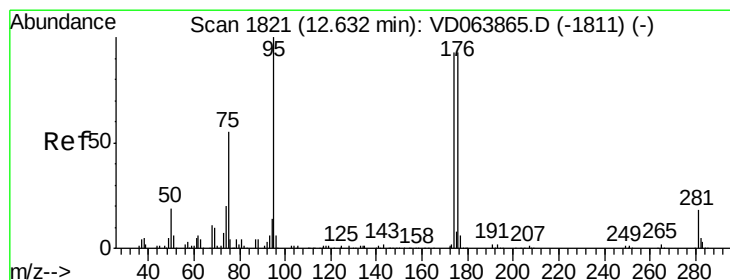
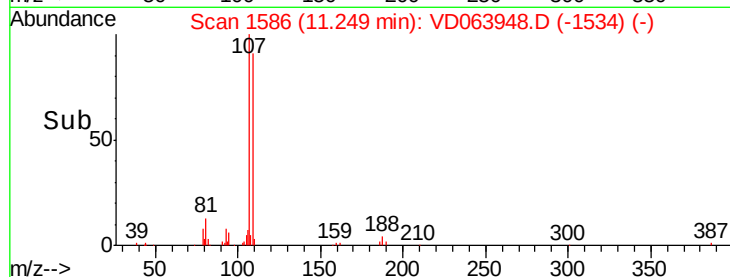
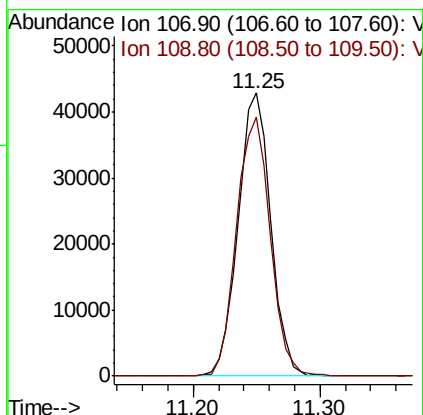
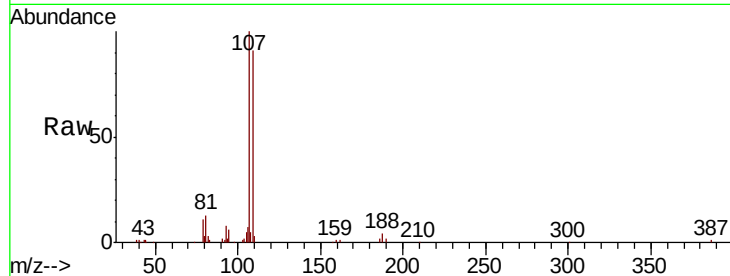




#61
 1,2-Dibromoethane
 Concen: 58.195 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

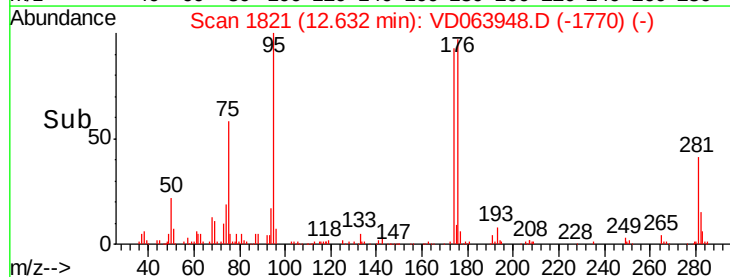
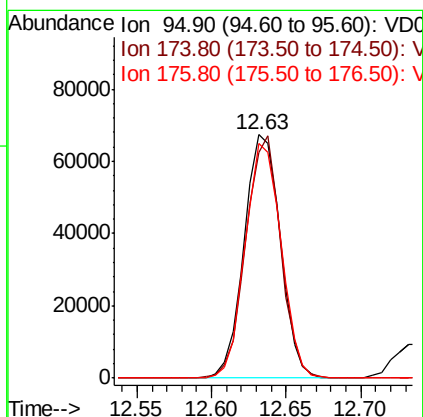
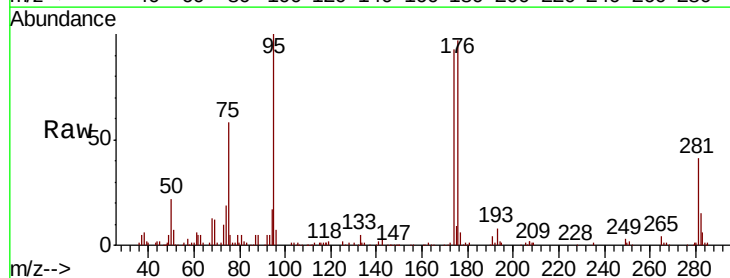
Instrument :
 MSVOA_D
 ClientSampleId :

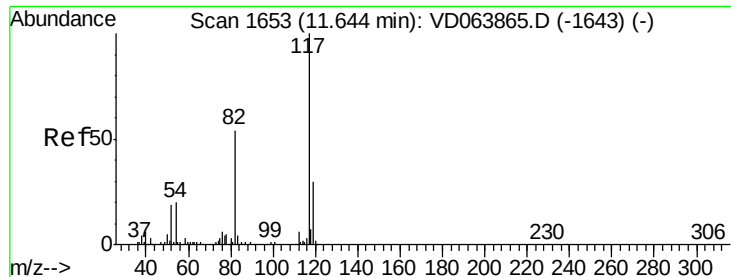
Tot Ion: 107 Resp: 76506
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.941 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion: 95 Resp: 113194
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 186.4
 176 95.7 0.0 184.2

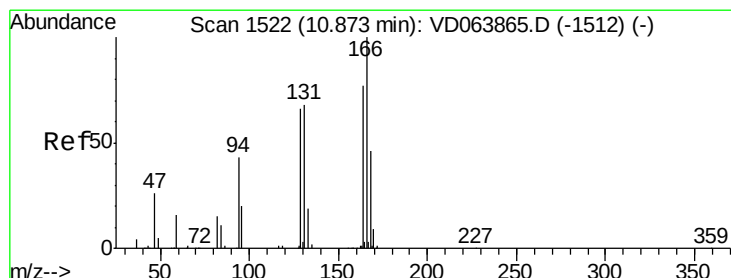
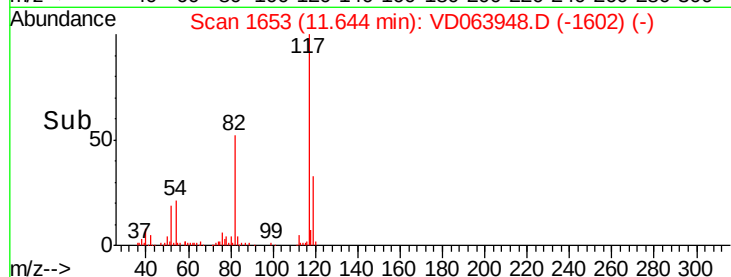
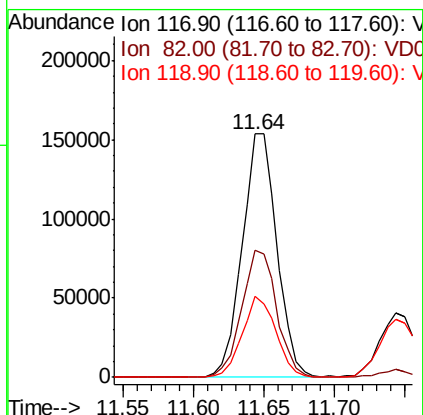
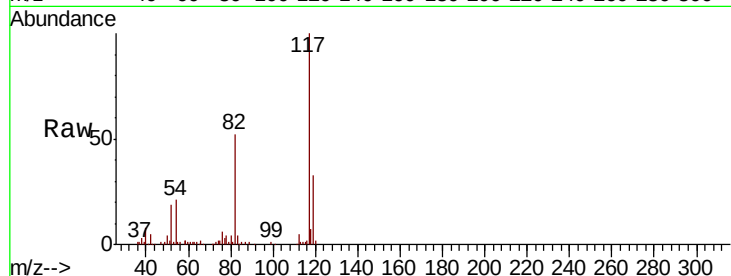




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

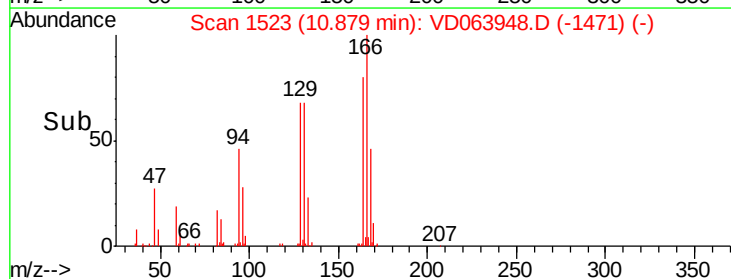
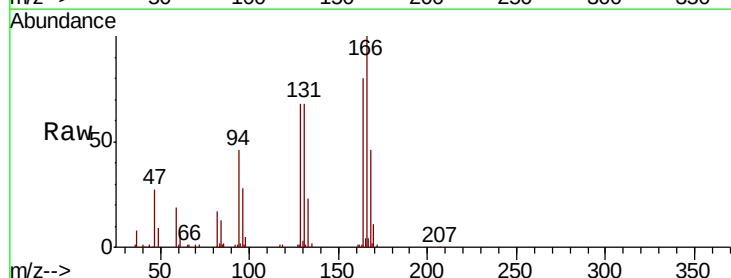
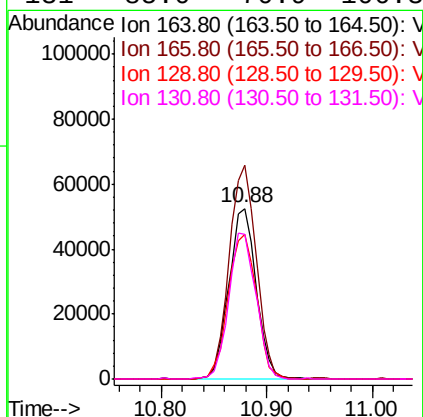
Instrument :
MSVOA_D
ClientSampleId :

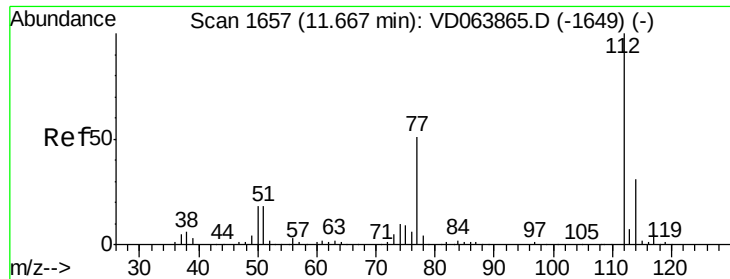
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.8	64.2
119	33.5	24.4	36.6



#64
Tetrachloroethene
Concen: 52.042 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	103.8	155.6
129	85.0	68.9	103.3
131	85.0	70.9	106.3

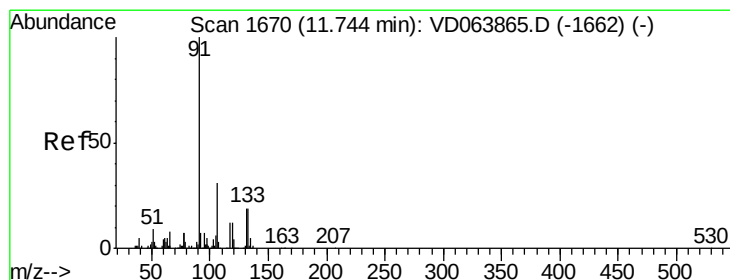
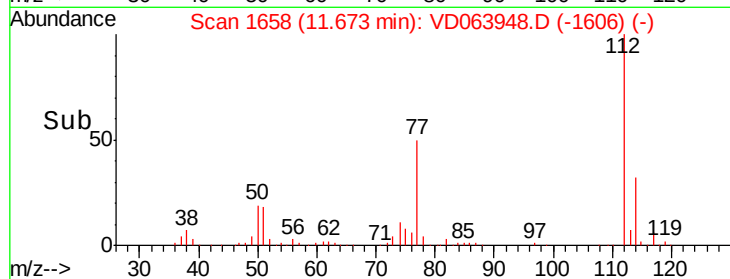
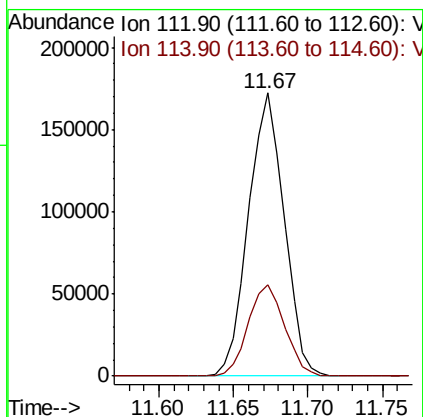
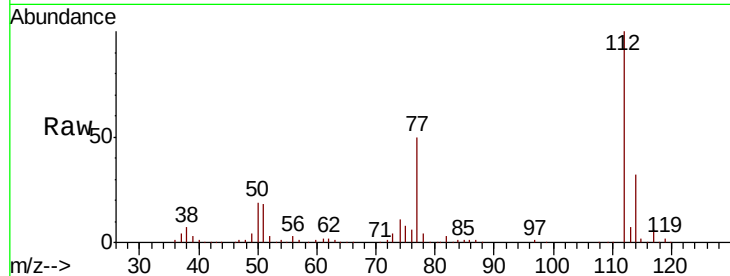




#65
Chlorobenzene
Concen: 53.613 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

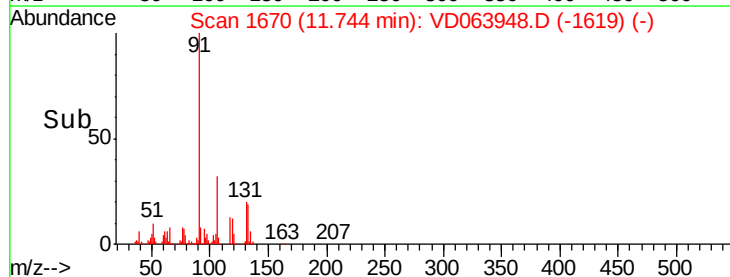
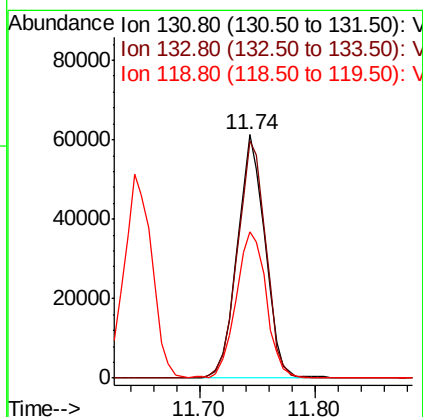
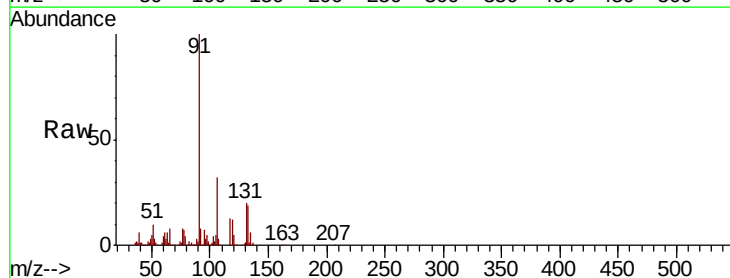
Instrument :
MSVOA_D
ClientSampleId :

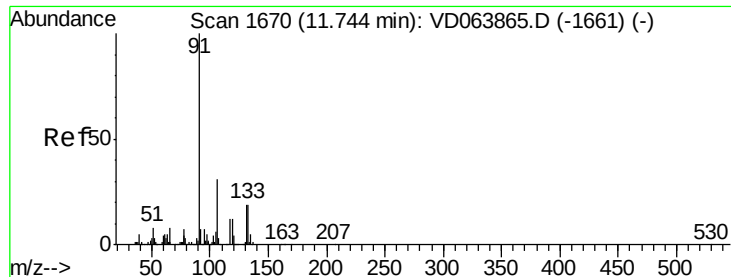
Tot Ion:112 Resp: 285610
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.774 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion:131 Resp: 101631
Ion Ratio Lower Upper
131 100
133 99.9 48.9 146.7
119 65.6 32.6 97.8





#67

Ethyl Benzene

Concen: 52.265 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

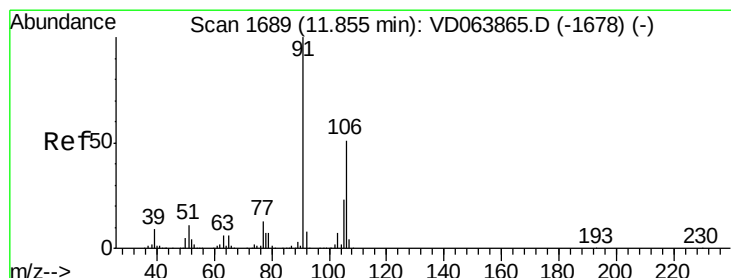
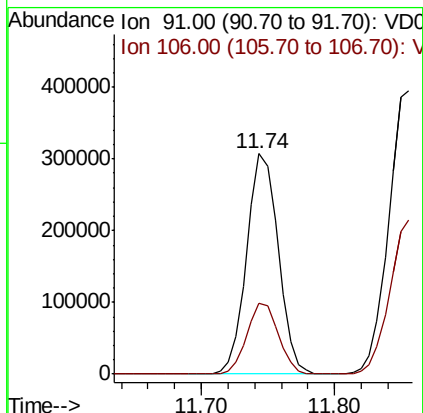
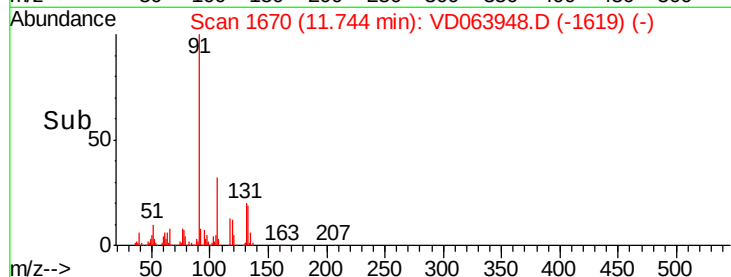
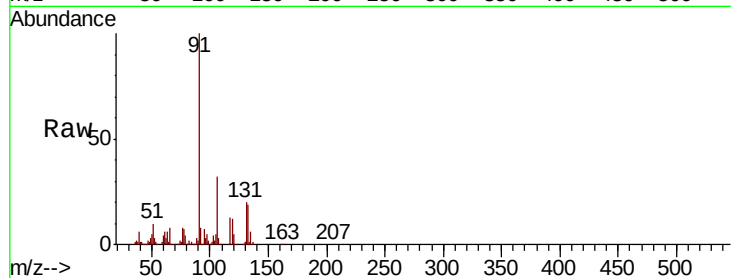
ClientSampleId :

Tot Ion: 91 Resp: 502061

Ion Ratio Lower Upper

91 100

106 32.1 24.6 37.0



#68

m/p-Xylenes

Concen: 107.536 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063948.D

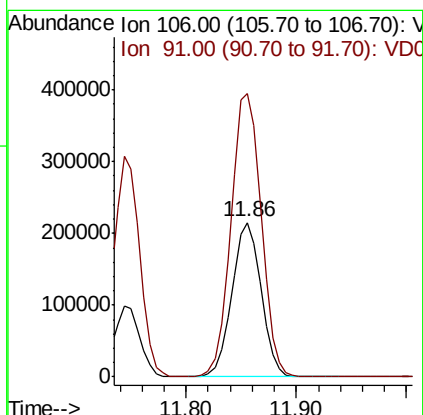
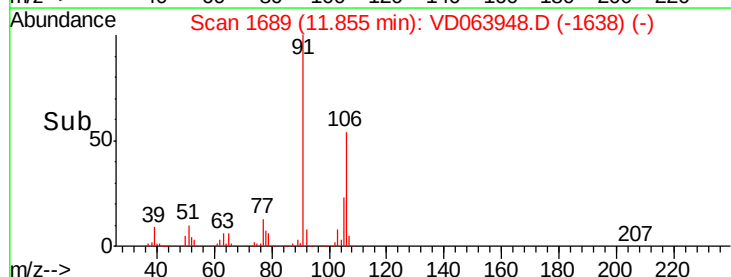
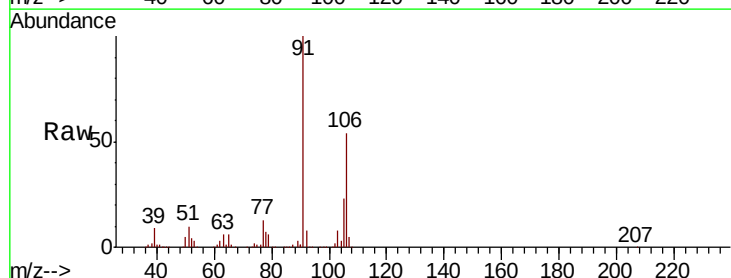
Acq: 11 Oct 2019 20:26

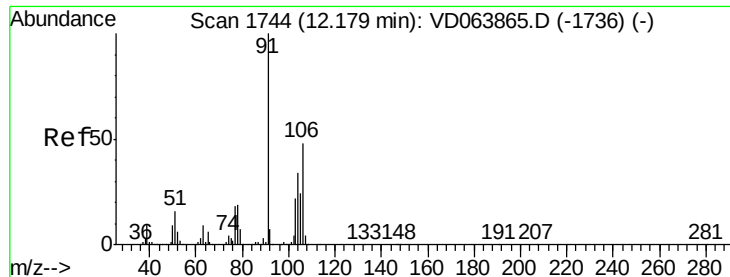
Tgt Ion: 106 Resp: 398717

Ion Ratio Lower Upper

106 100

91 191.1 154.8 232.2

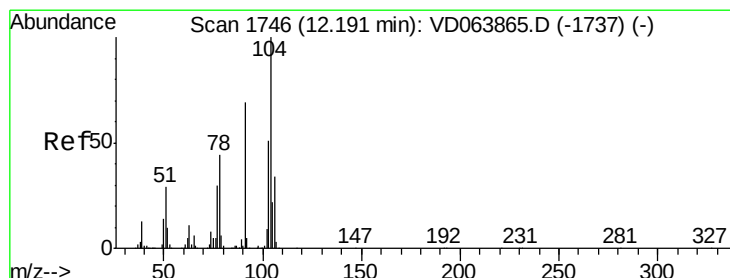
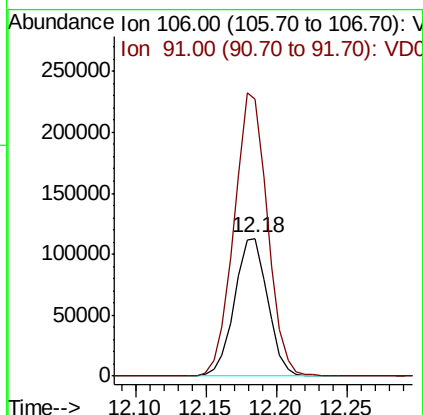
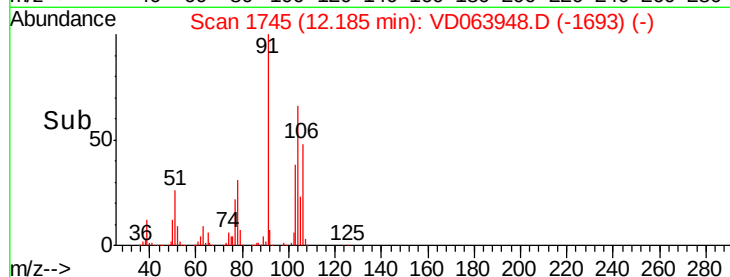
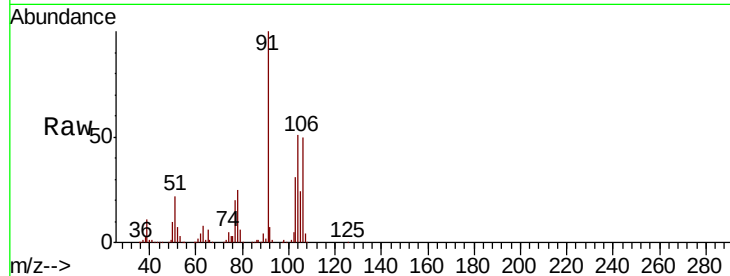




#69
o-Xylene
Concen: 52.267 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

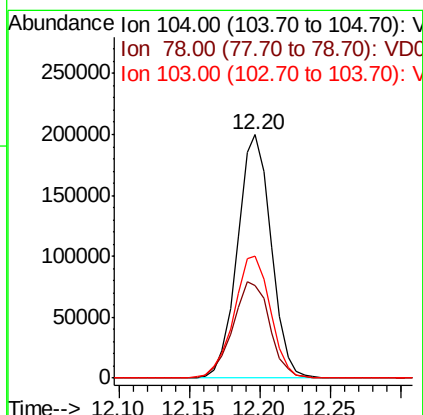
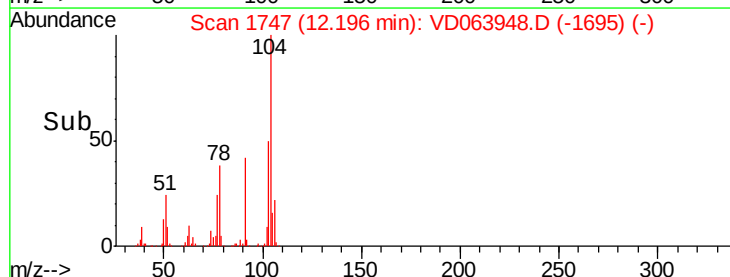
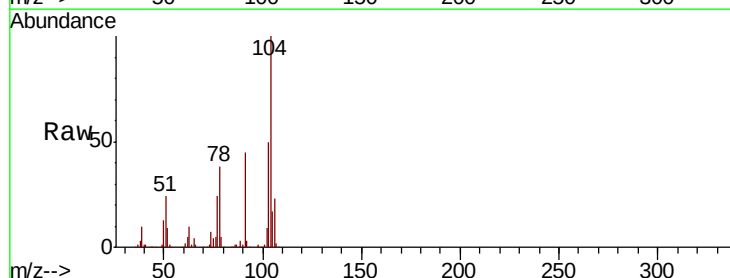
Instrument :
MSVOA_D
ClientSampled :

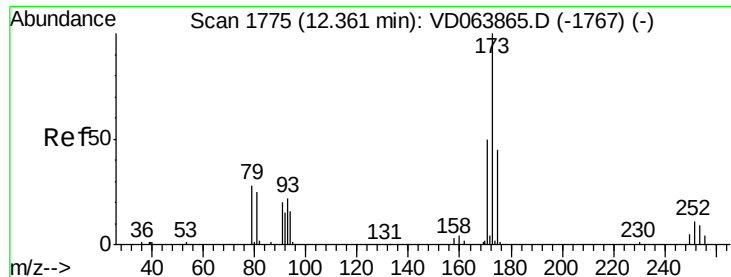
Tot Ion:106 Resp: 185565
Ion Ratio Lower Upper
106 100
91 206.7 103.9 311.7



#70
Styrene
Concen: 55.362 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion:104 Resp: 332736
Ion Ratio Lower Upper
104 100
78 43.5 37.0 55.4
103 54.4 44.2 66.4





#71

Bromoform

Concen: 58.066 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampled :

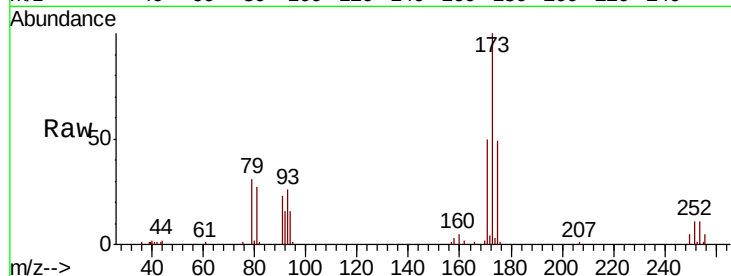
Tot Ion:173 Resp: 61171

Ion Ratio Lower Upper

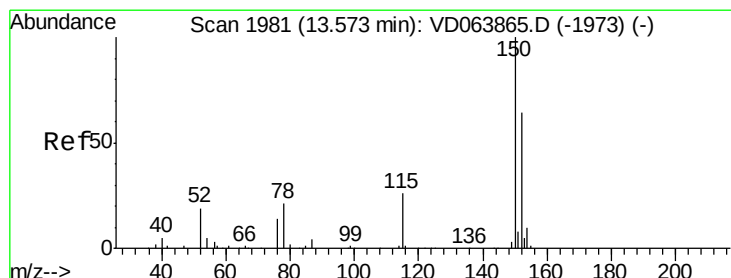
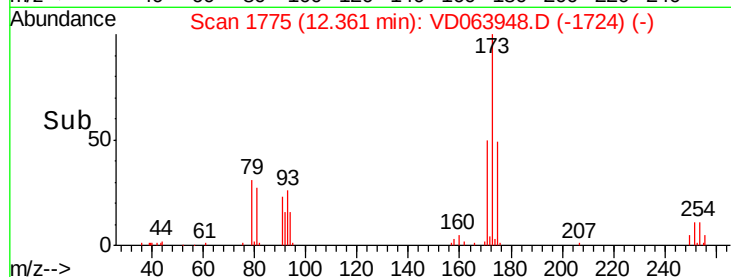
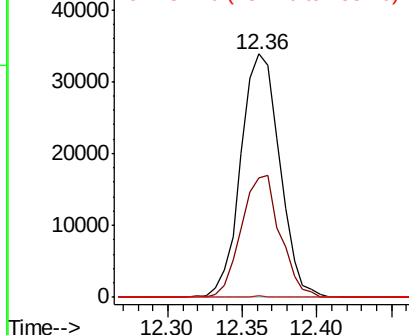
173 100

175 49.8 24.6 74.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

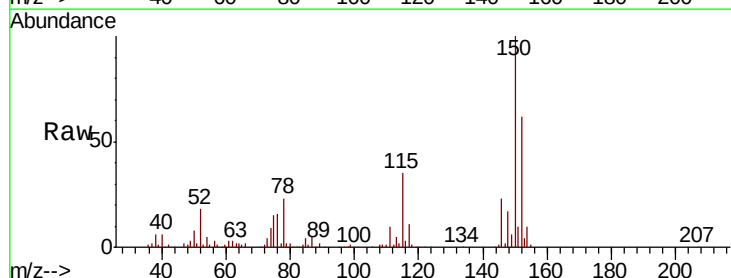
Tgt Ion:152 Resp: 147835

Ion Ratio Lower Upper

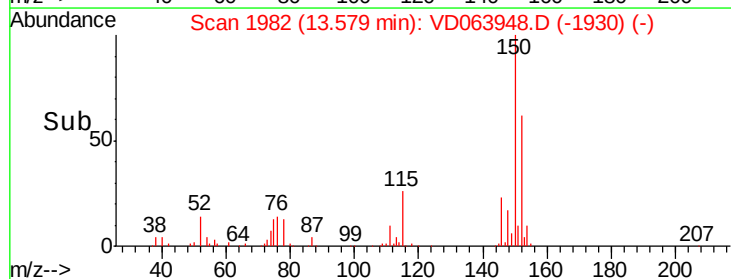
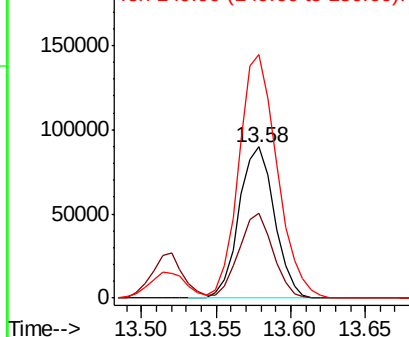
152 100

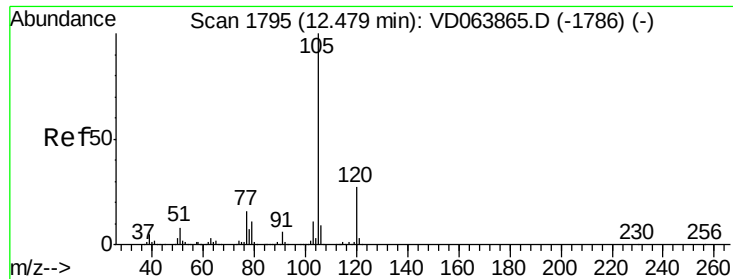
115 54.5 25.9 77.7

150 173.7 0.0 344.2



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: 49.609 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

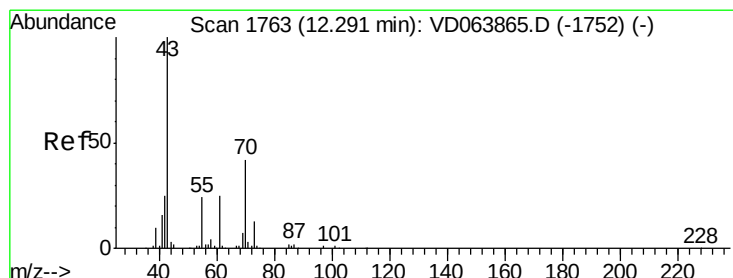
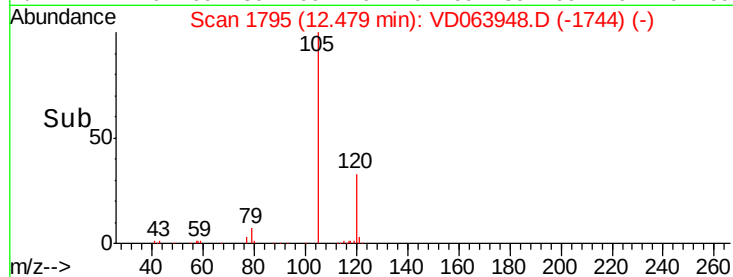
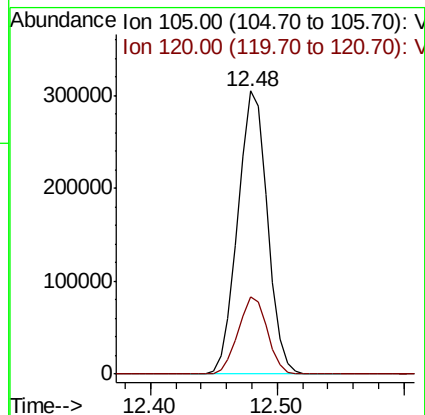
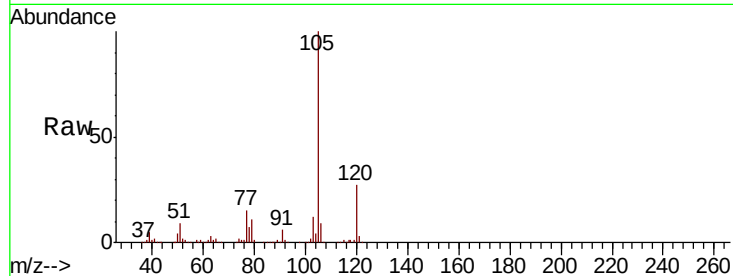
ClientSampleId :

Tot Ion:105 Resp: 493024

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8



#74

N-ethyl acetate

Concen: 48.535 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Tgt Ion: 43 Resp: 103852

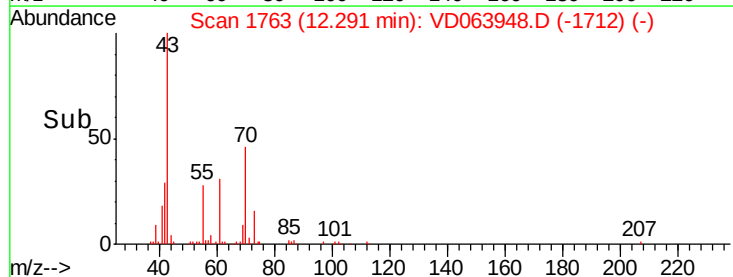
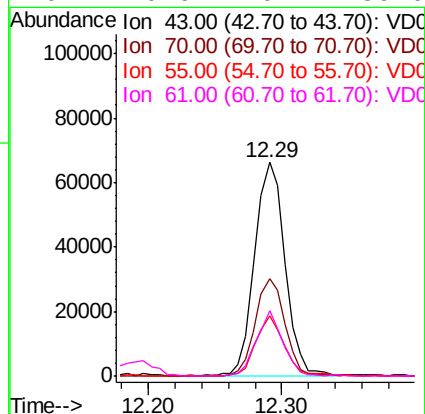
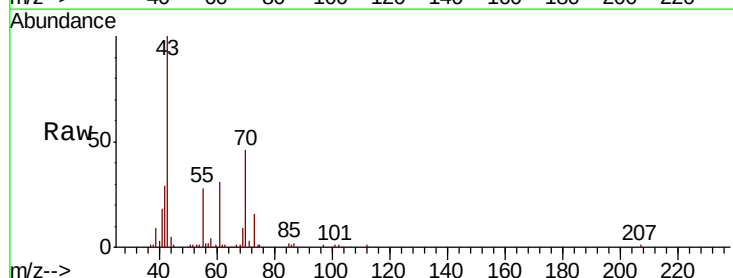
Ion Ratio Lower Upper

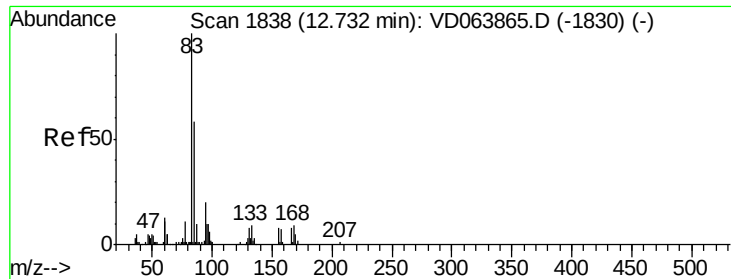
43 100

70 44.4 35.8 53.6

55 26.5 19.4 29.0

61 26.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.845 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

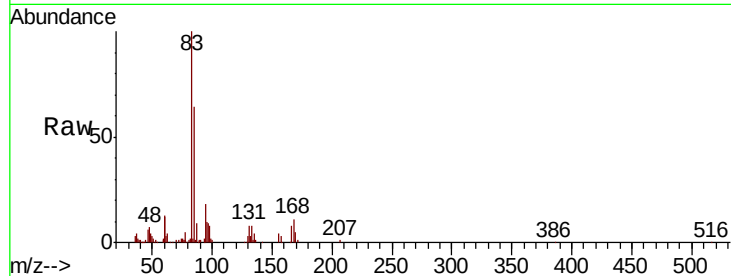
Tot Ion: 83 Resp: 89660

Ion Ratio Lower Upper

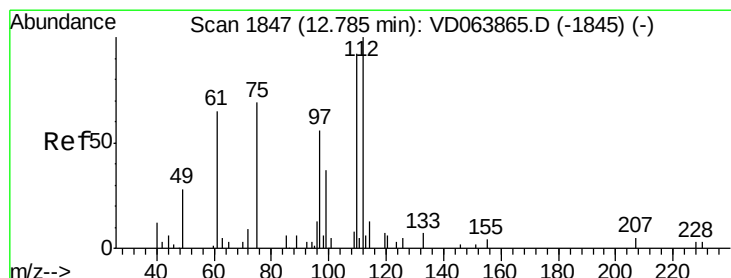
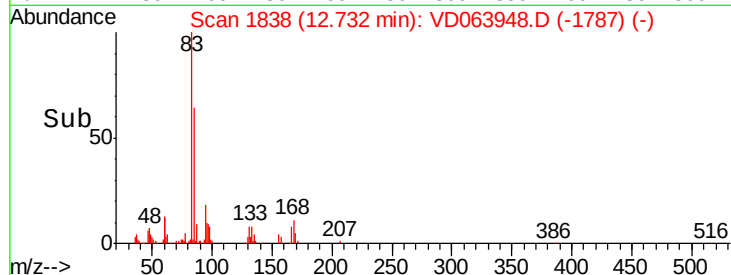
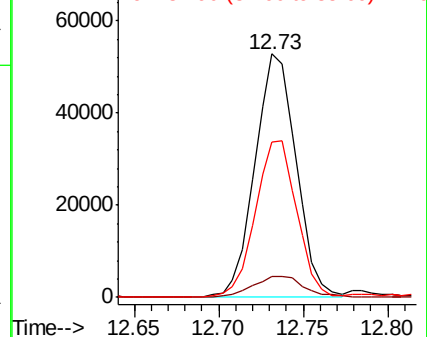
83 100

131 10.8 5.6 16.8

85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 113.653 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063948.D

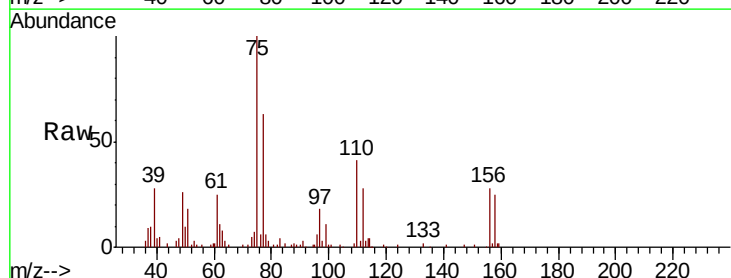
Acq: 11 Oct 2019 20:26

Tgt Ion: 75 Resp: 112534

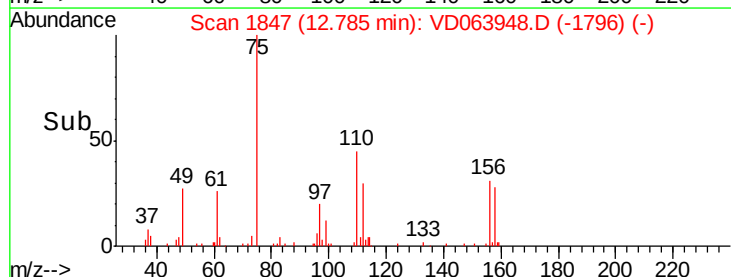
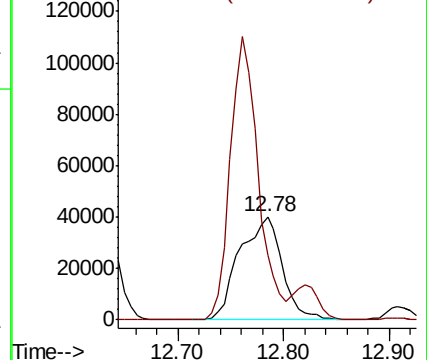
Ion Ratio Lower Upper

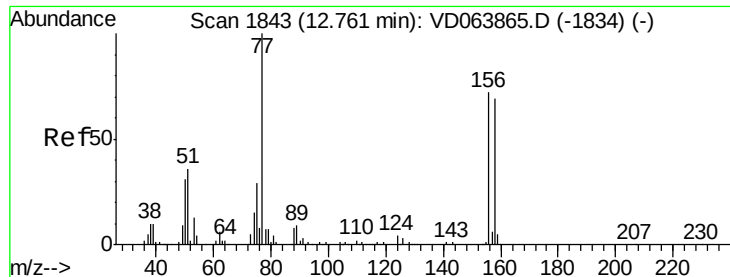
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.335 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampled :

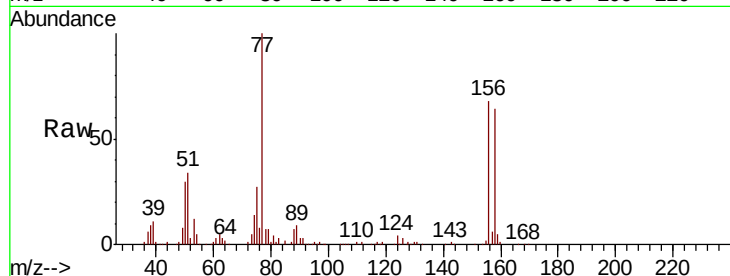
Tot Ion:156 Resp: 129582

Ion Ratio Lower Upper

156 100

77 155.8 80.3 241.0

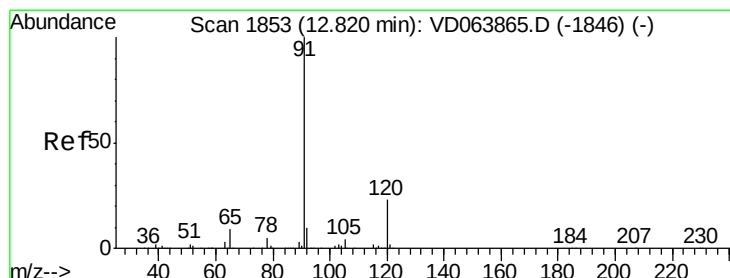
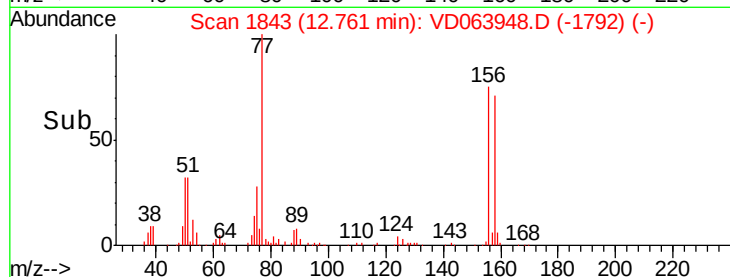
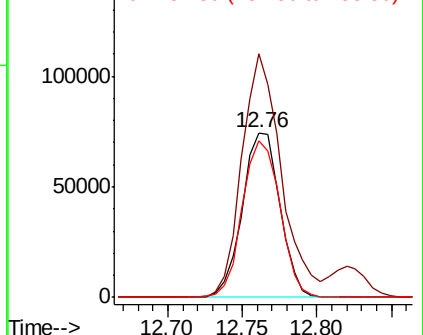
158 95.5 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.780 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063948.D

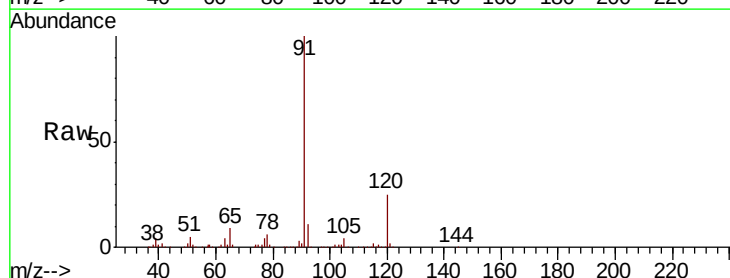
Acq: 11 Oct 2019 20:26

Tgt Ion: 91 Resp: 592365

Ion Ratio Lower Upper

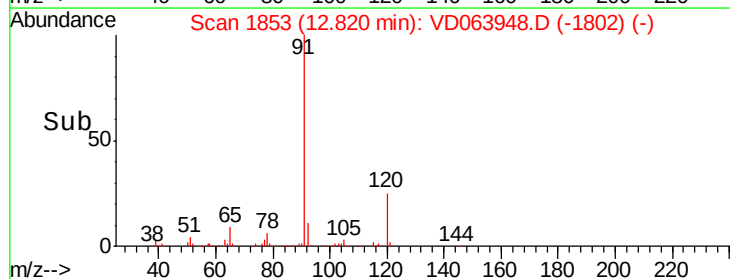
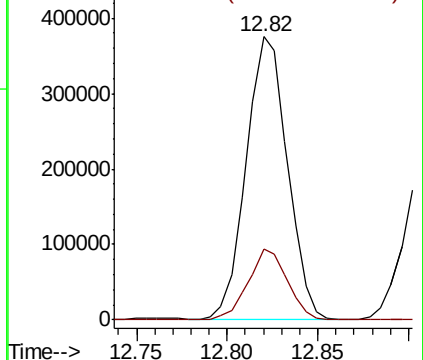
91 100

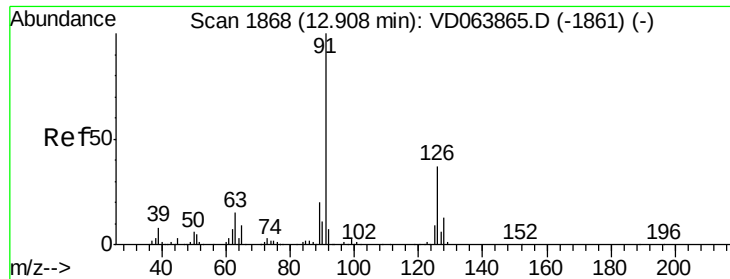
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

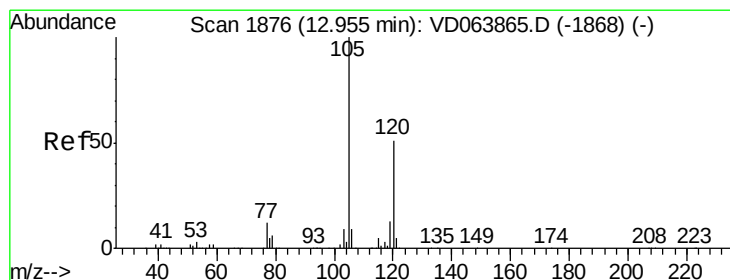
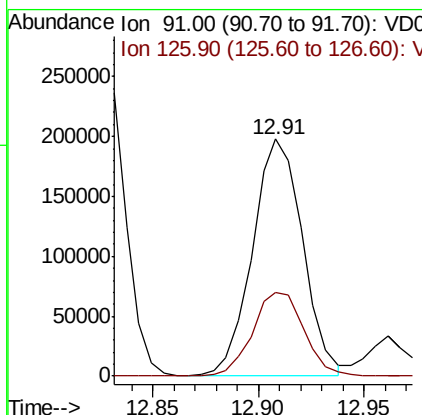
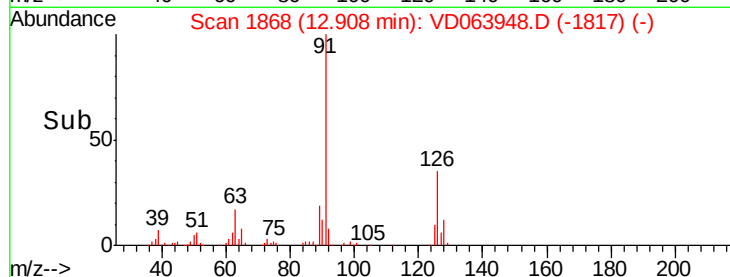
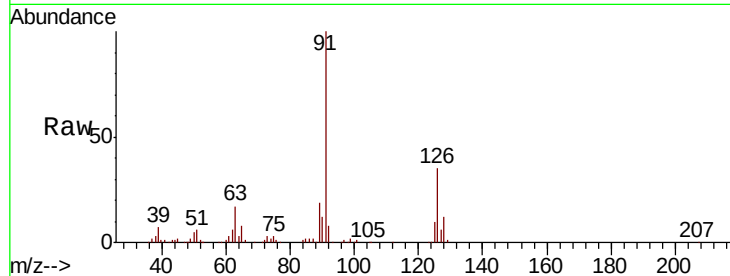




#79
 2-Chlorotoluene
 Concen: 50.640 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

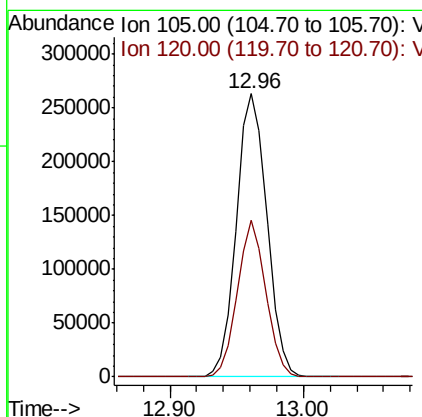
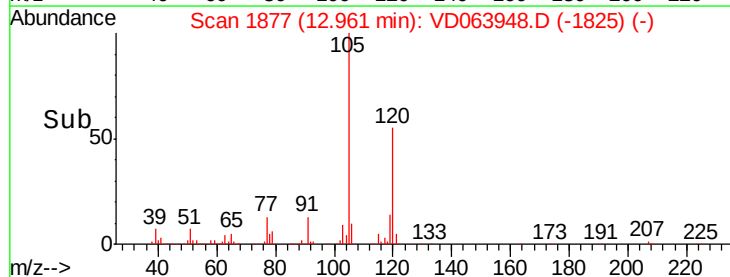
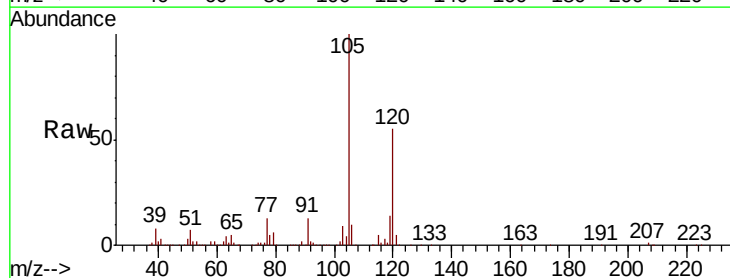
Instrument :
 MSVOA_D
 ClientSampleId :

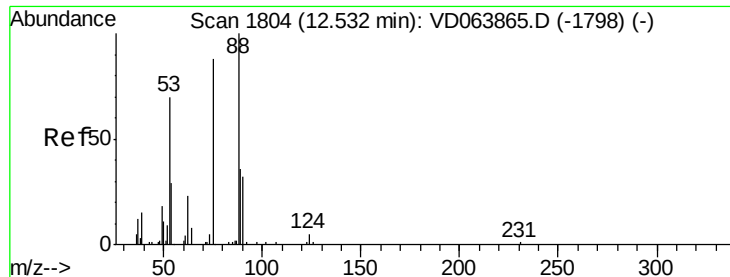
Tot Ion: 91 Resp: 325730
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.177 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion: 105 Resp: 416025
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.472 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

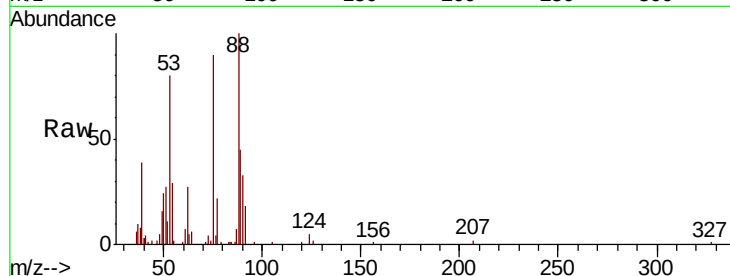
Tot Ion: 75 Resp: 27122

Ion Ratio Lower Upper

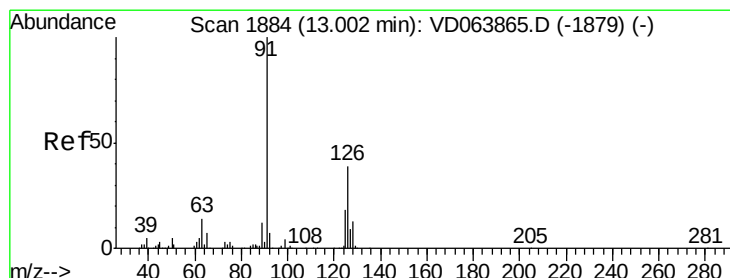
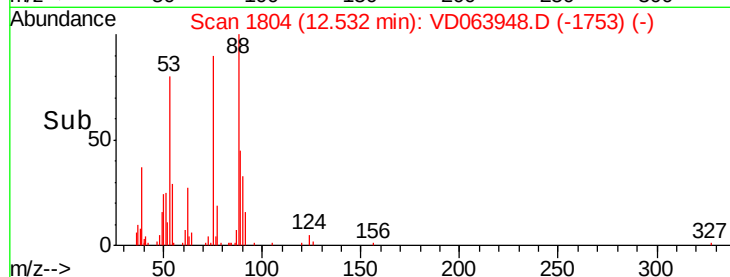
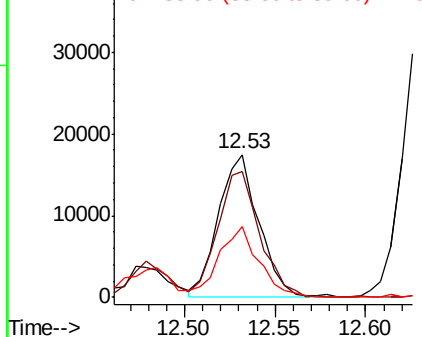
75 100

53 91.4 75.0 112.6

89 49.0 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.439 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063948.D

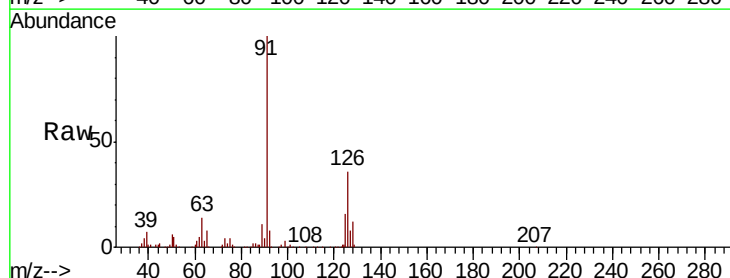
Acq: 11 Oct 2019 20:26

Tgt Ion: 91 Resp: 337343

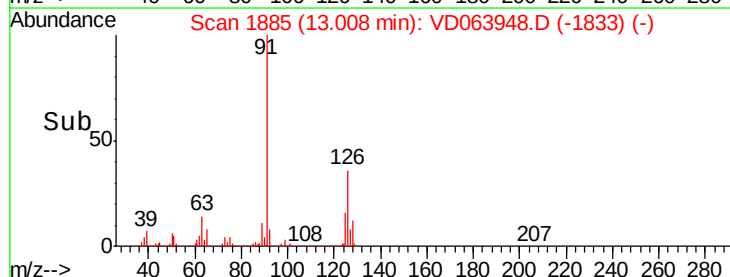
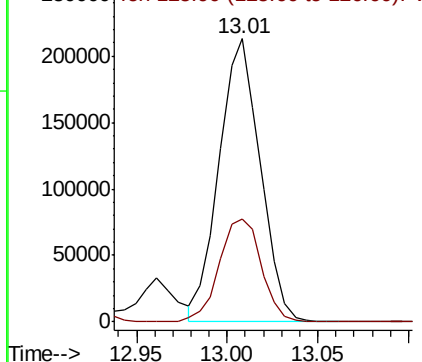
Ion Ratio Lower Upper

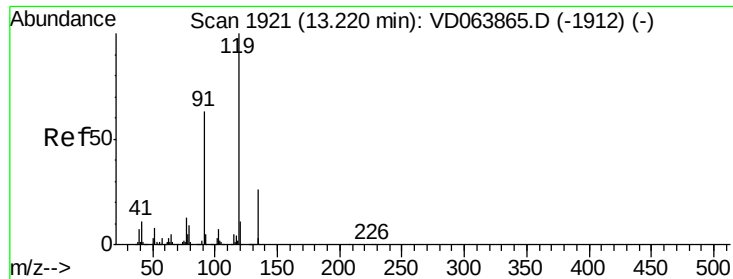
91 100

126 37.0 18.6 55.8



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

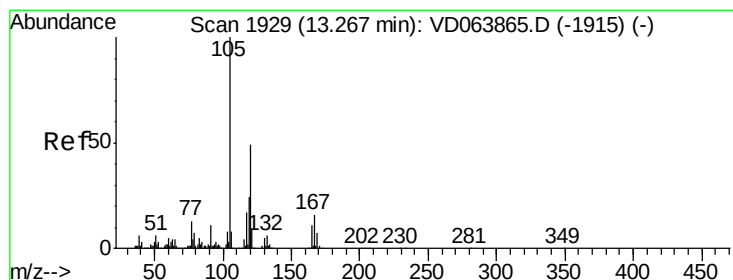
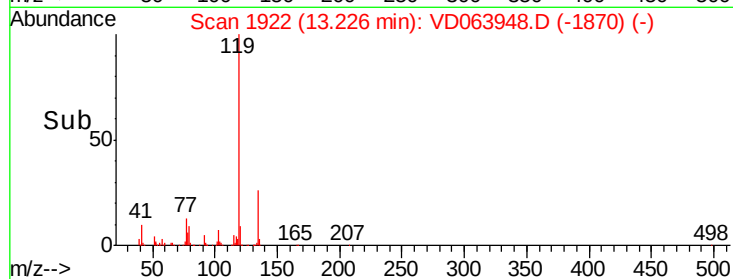
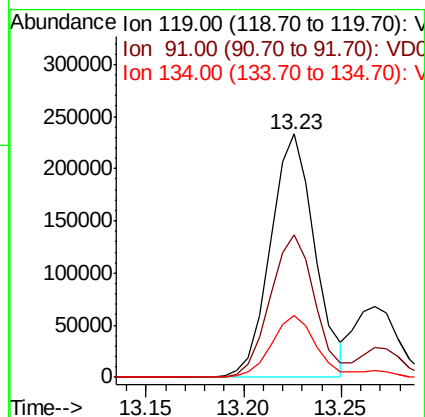
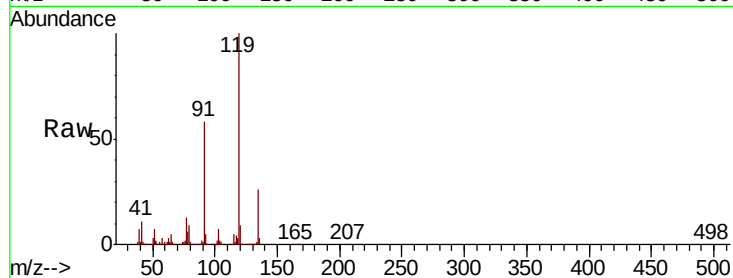




#83
 tert-Butylbenzene
 Concen: 49.635 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

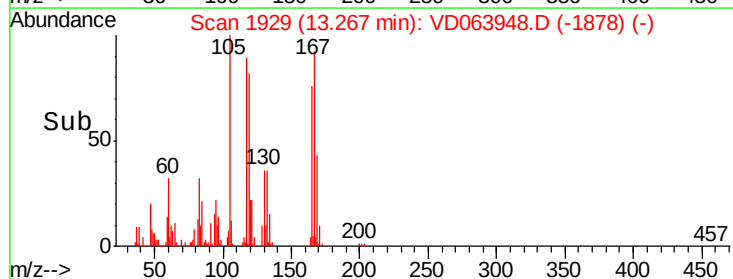
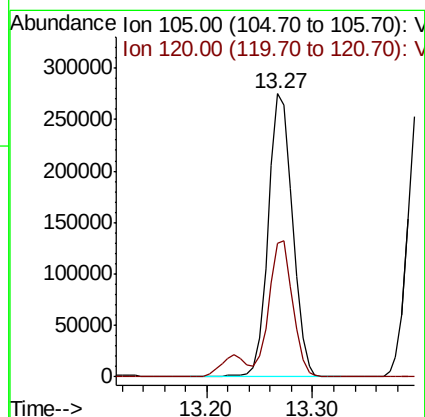
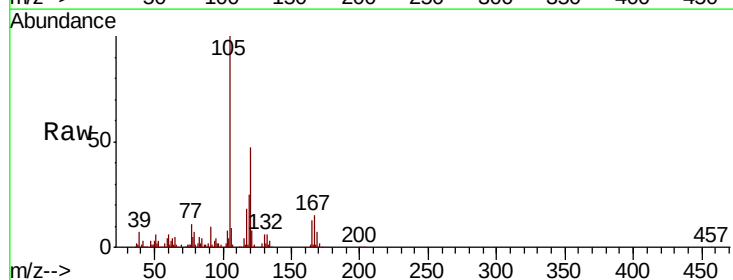
Instrument :
 MSVOA_D
 ClientSampleId :

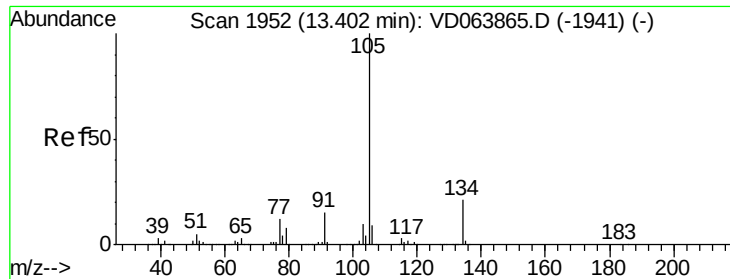
Tot Ion:119 Resp: 366259
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.0 90.0
 134 25.6 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 51.155 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion:105 Resp: 437255
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.5





#85

sec-Butylbenzene

Concen: 50.367 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

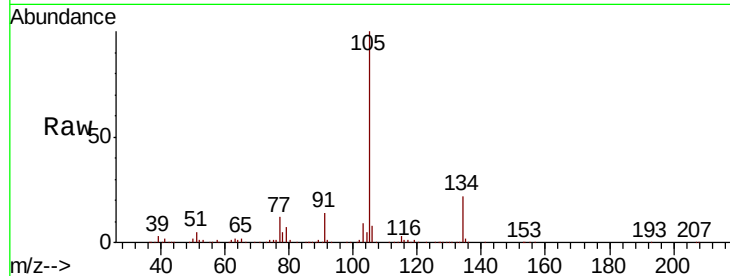
ClientSampleId :

Tot Ion:105 Resp: 501909

Ion Ratio Lower Upper

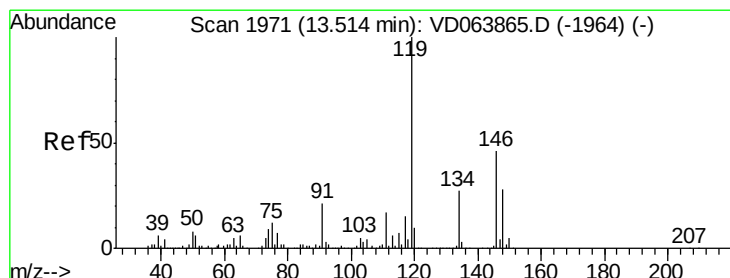
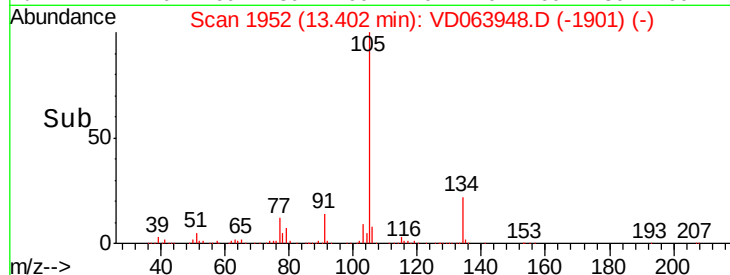
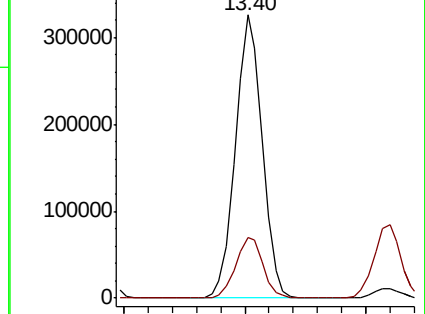
105 100

134 21.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.902 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

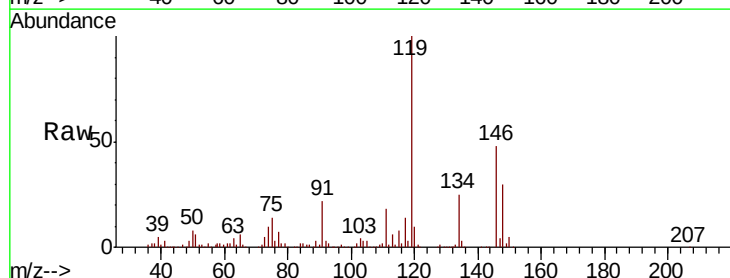
Tgt Ion:119 Resp: 489413

Ion Ratio Lower Upper

119 100

134 26.7 13.9 41.6

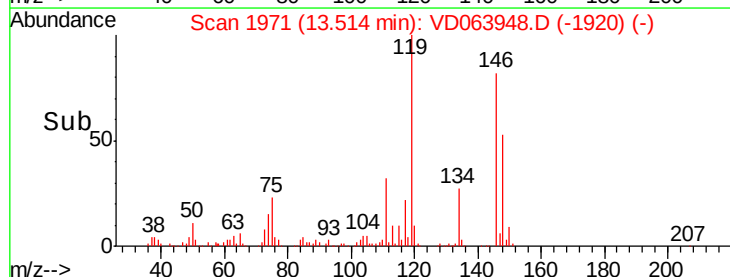
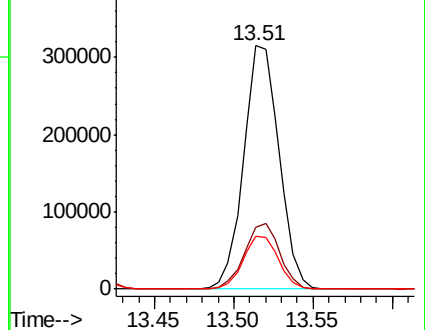
91 21.6 11.2 33.5

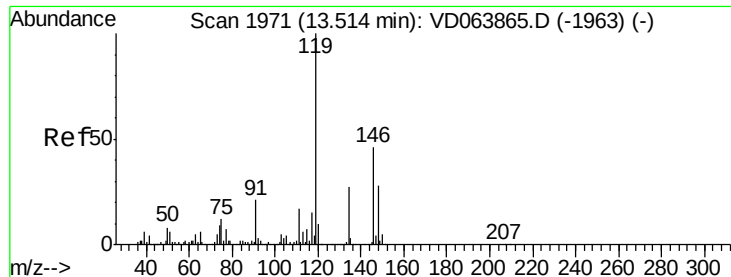


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

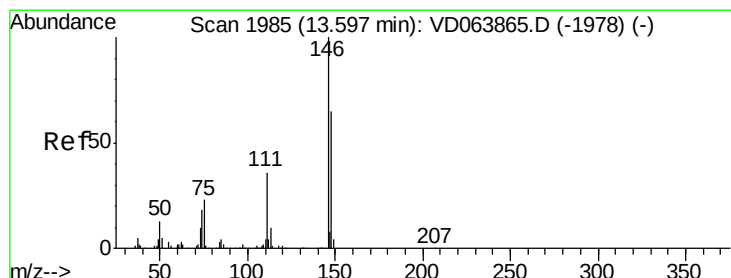
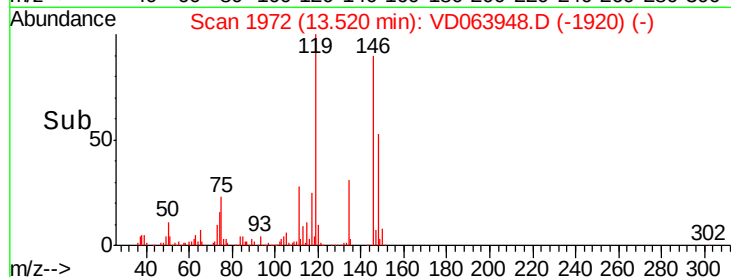
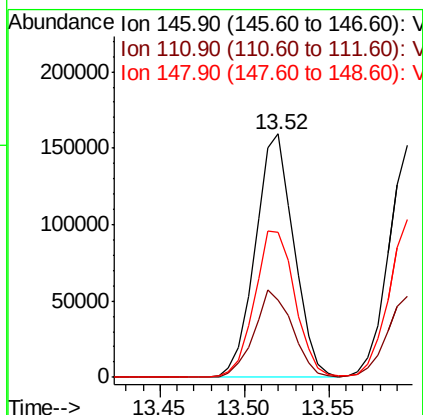
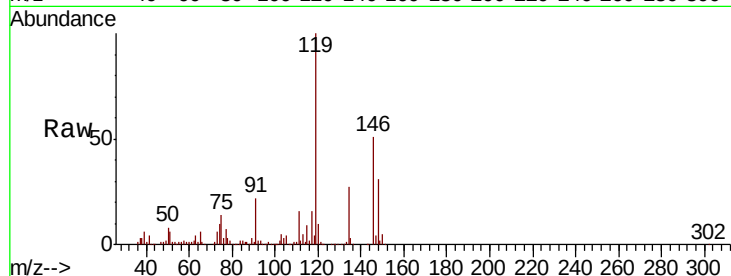




#87
 1,3-Dichlorobenzene
 Concen: 51.346 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

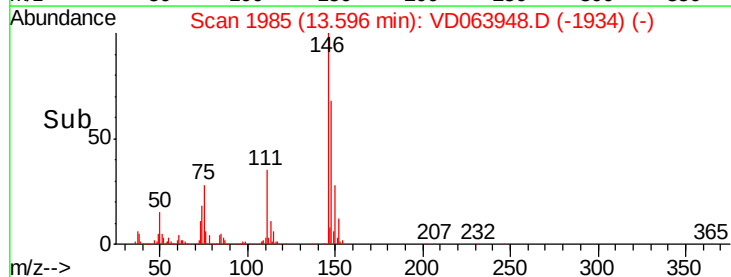
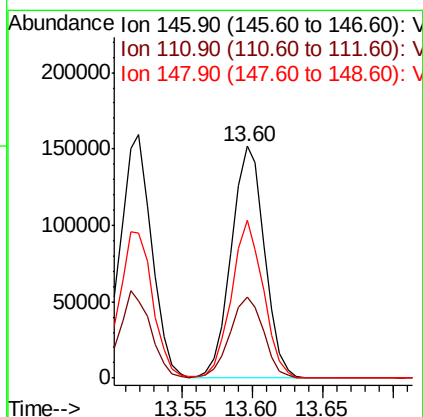
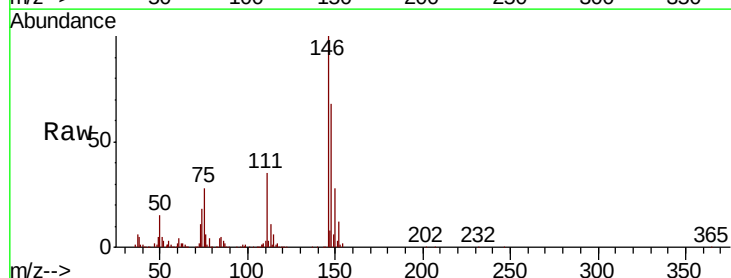
Instrument :
 MSVOA_D
 ClientSampleId :

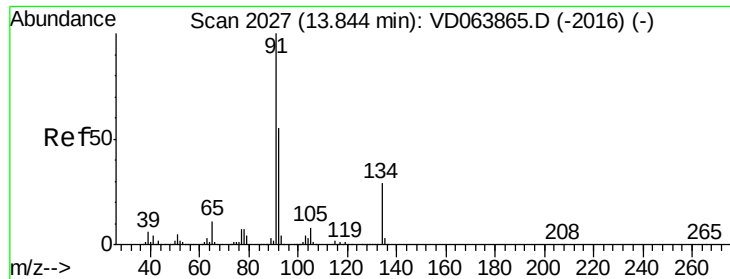
Tot Ion:146 Resp: 251203
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.3 54.9
 148 63.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.770 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion:146 Resp: 249868
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.6 56.0
 148 65.1 32.6 98.0

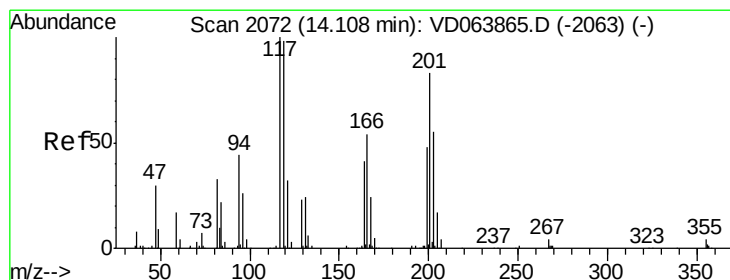
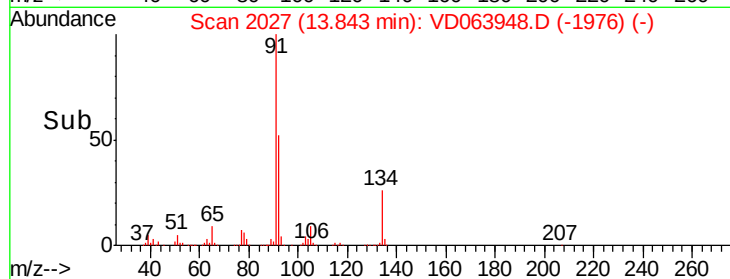
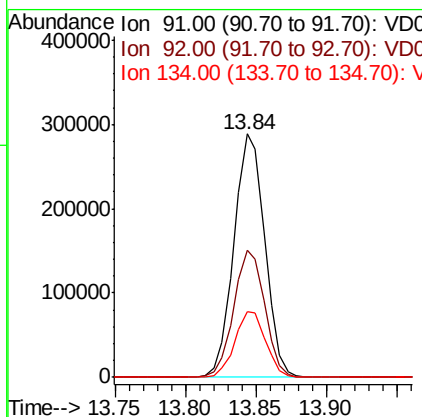
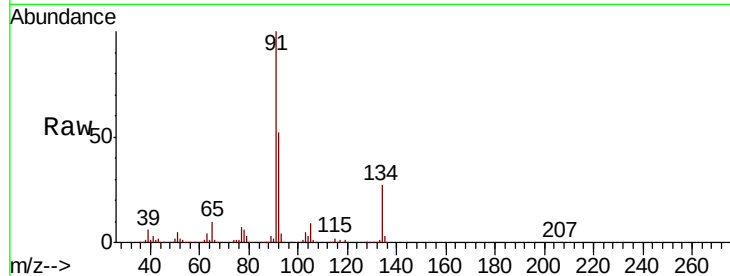




#89
n-Butylbenzene
Concen: 50.022 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

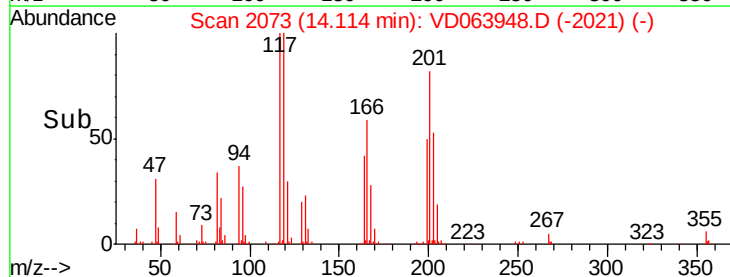
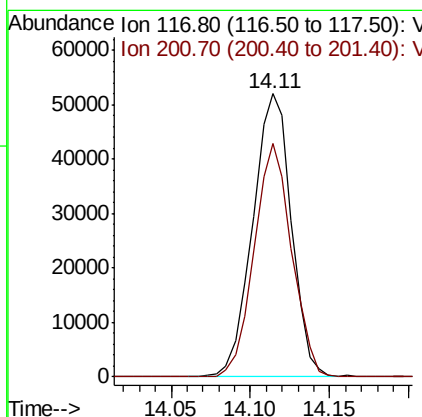
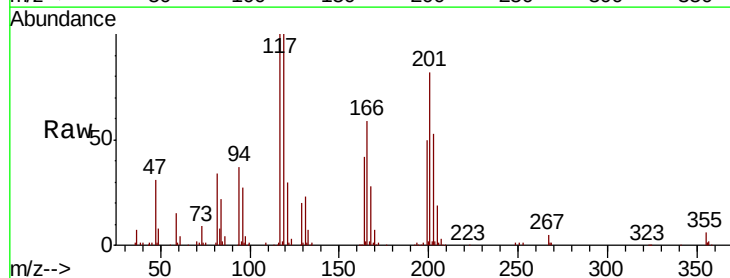
Instrument :
MSVOA_D
ClientSampleId :

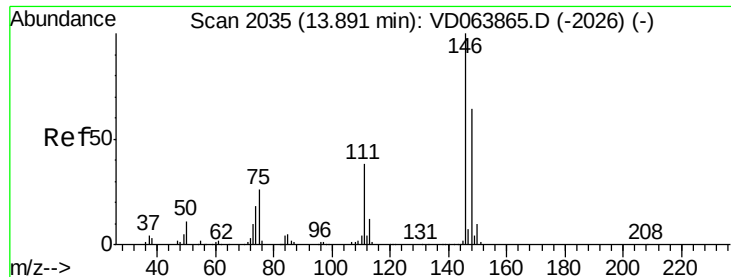
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.3
134	27.1	14.4	43.0



#90
Hexachloroethane
Concen: 51.941 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	40.6	121.7

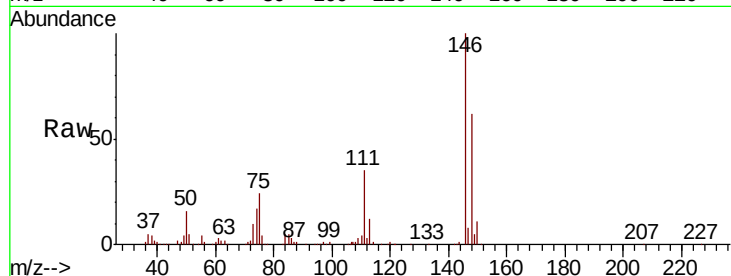




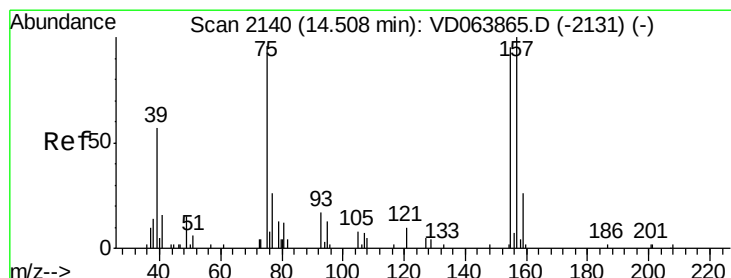
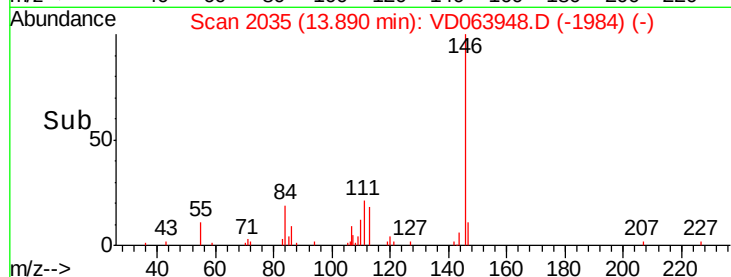
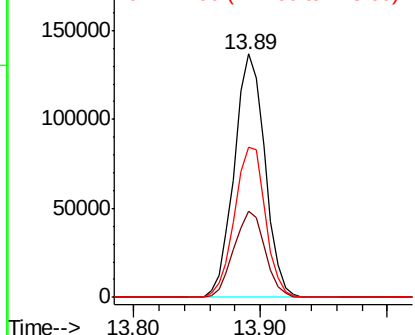
#91
 1,2-Dichlorobenzene
 Concen: 54.282 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.6	55.6
148	62.0	31.6	95.0

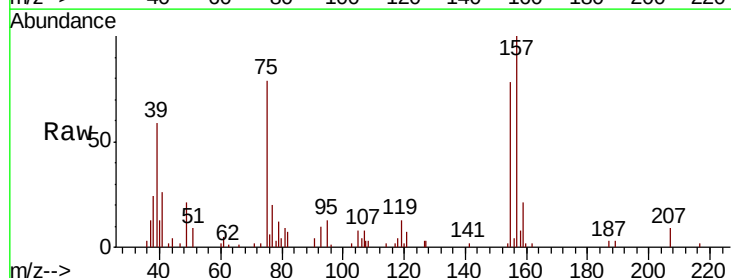


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

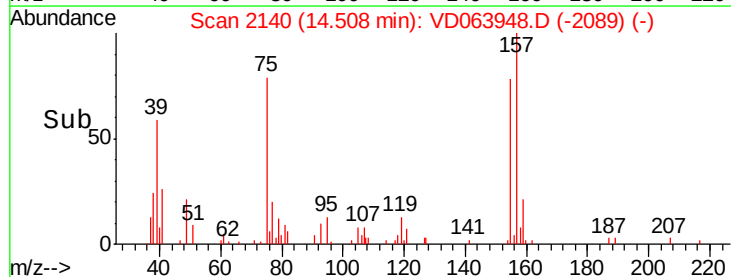
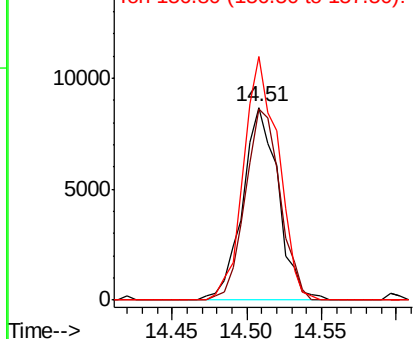


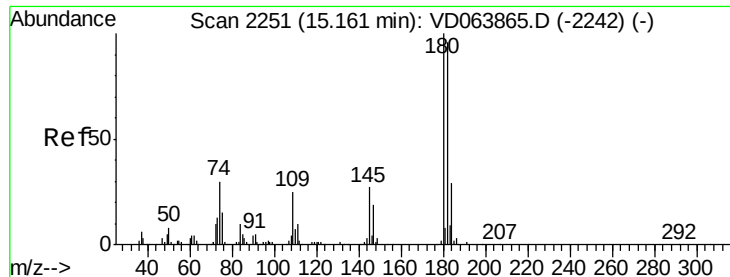
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.496 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	43.9	131.6
157	122.7	56.0	167.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

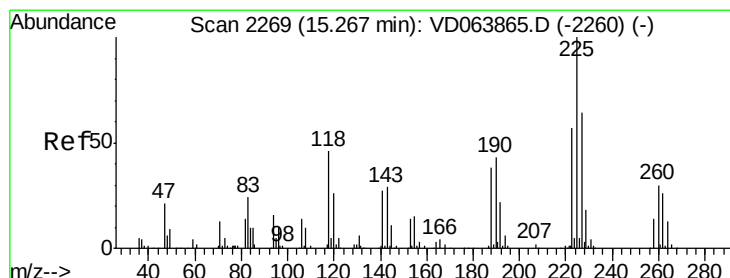
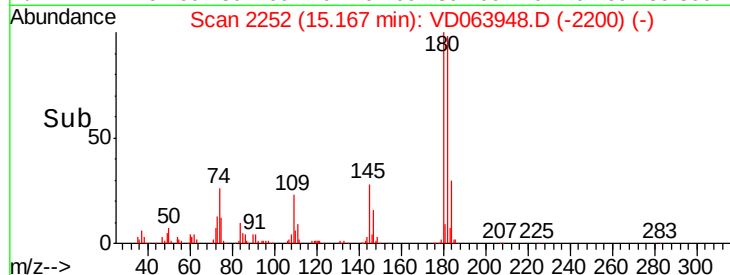
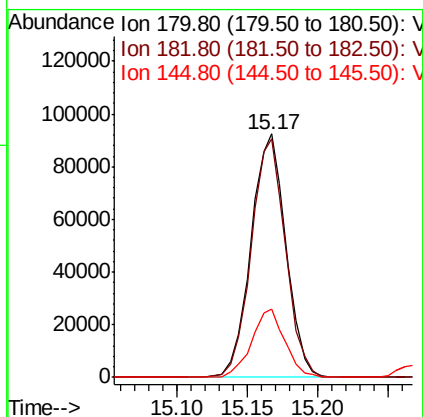
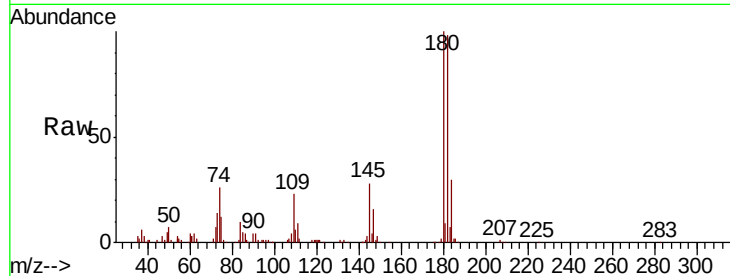




#93
 1,2,4-Trichlorobenzene
 Concen: 49.189 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

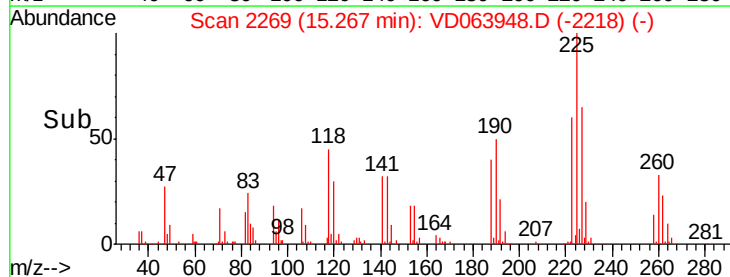
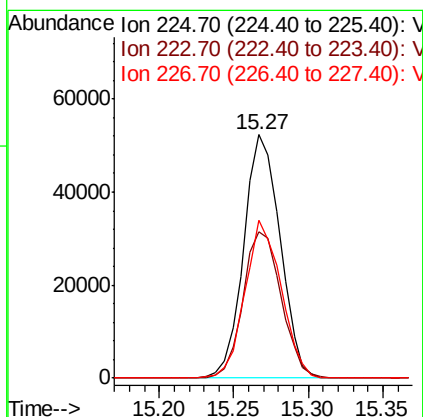
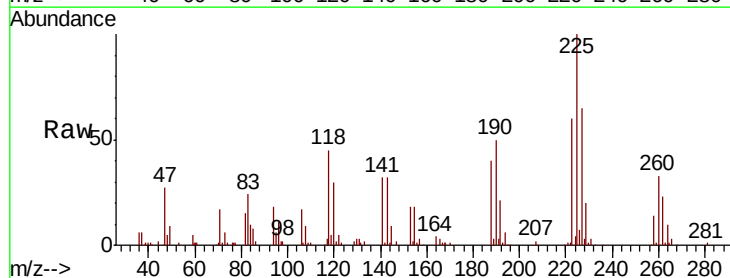
Instrument :
 MSVOA_D
 ClientSampleId :

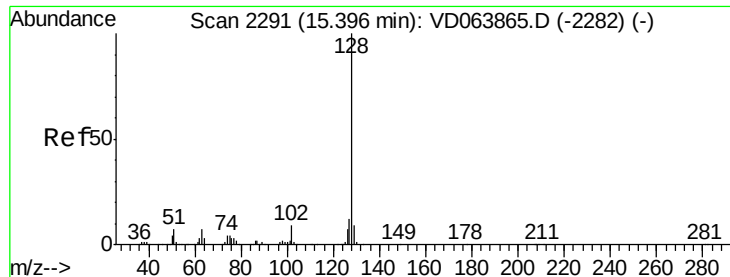
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.3
145	26.8	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 49.162 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	29.5	88.6
227	64.2	30.8	92.4





#95

Naphthalene

Concen: 54.635 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

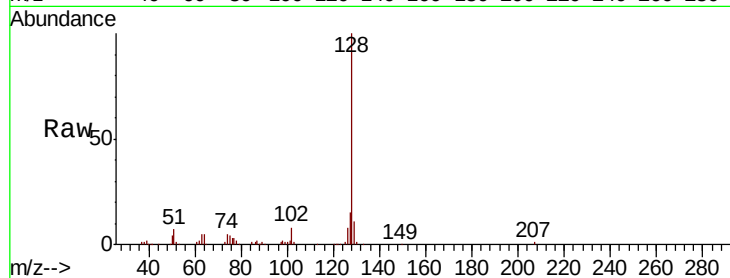
Tot Ion:128 Resp: 298739

Ion Ratio Lower Upper

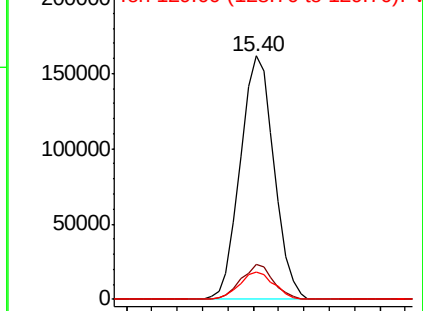
128 100

127 13.8 10.6 16.0

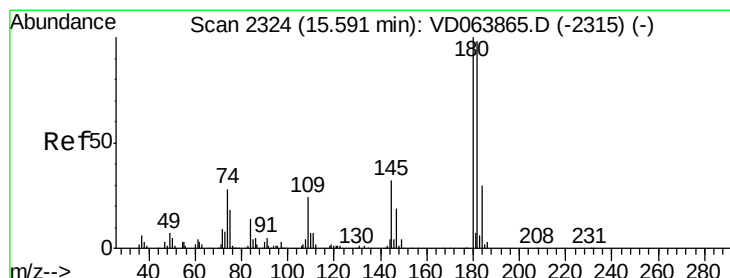
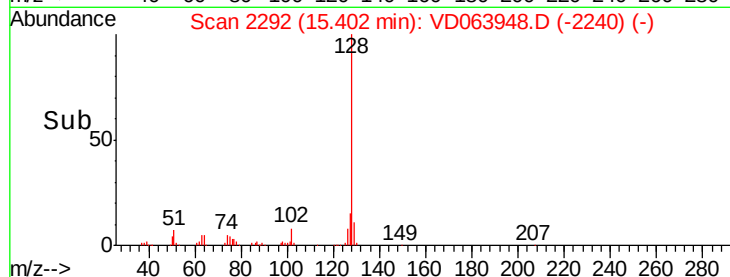
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 50.690 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063948.D

Acq: 11 Oct 2019 20:26

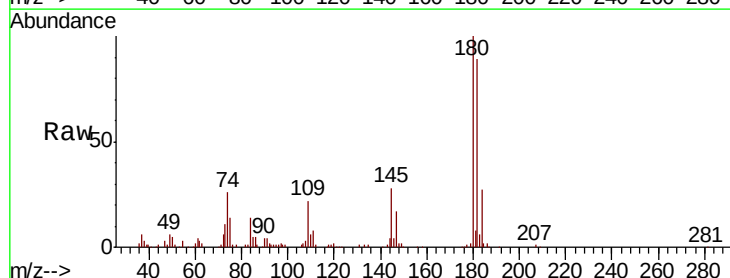
Tgt Ion:180 Resp: 142279

Ion Ratio Lower Upper

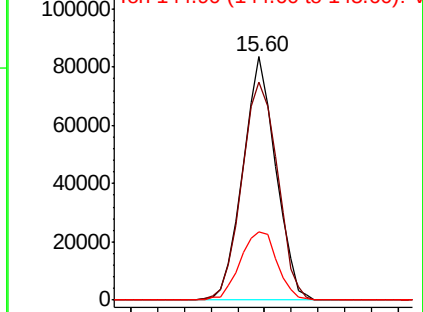
180 100

182 97.7 47.0 141.0

145 31.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

