

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 :
 VSTDCCC050EC

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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 QLast Update : Sat Oct 05 03:51:17 2019
 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

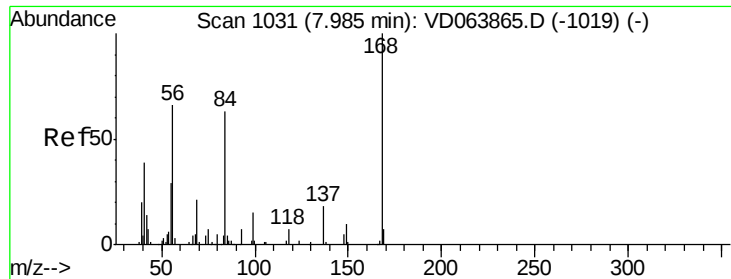
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160022	49.189	ug/l	99
94) Hexachlorobutadiene	15.27	225	88258	49.162	ug/l	96
95) Naphthalene	15.40	128	298739	54.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60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

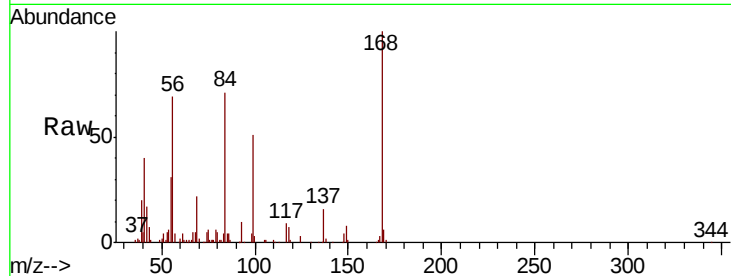
VSTDCCC050EC

Tot Ion:168 Resp: 156307

Ion Ratio Lower Upper

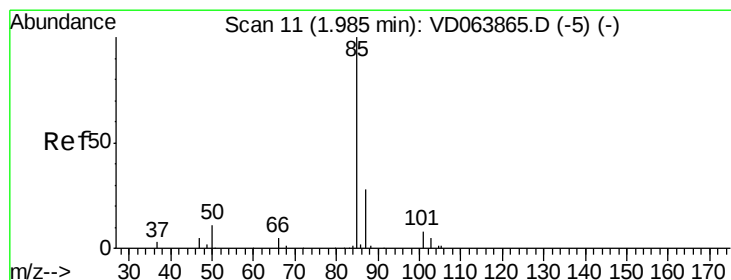
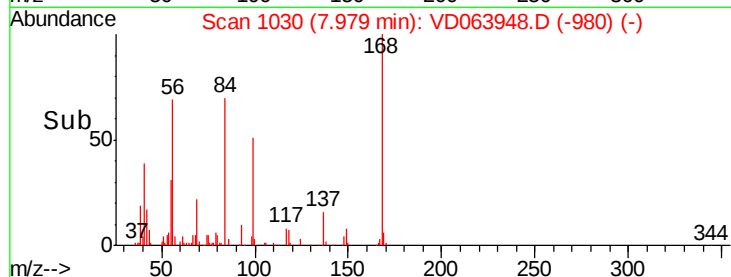
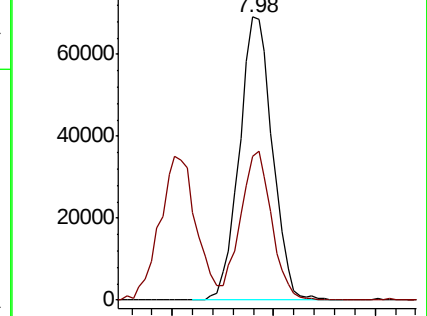
168 100

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

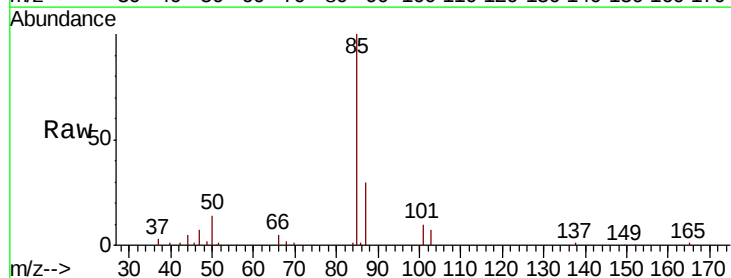
Acq: 11 Oct 2019 20:26

Tgt Ion: 85 Resp: 50280

Ion Ratio Lower Upper

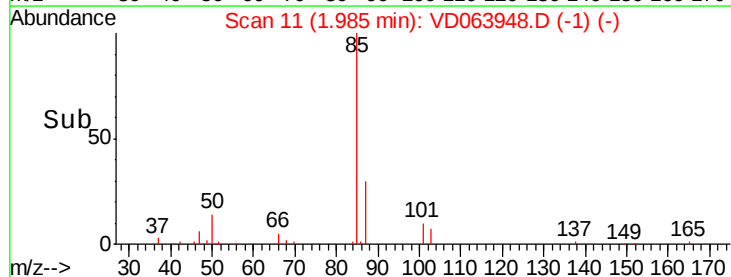
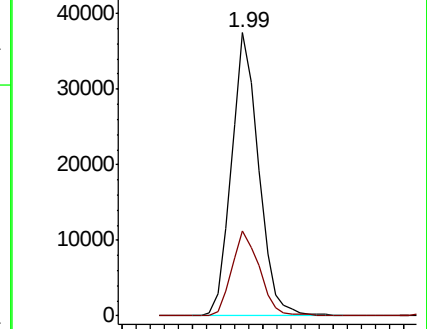
85 100

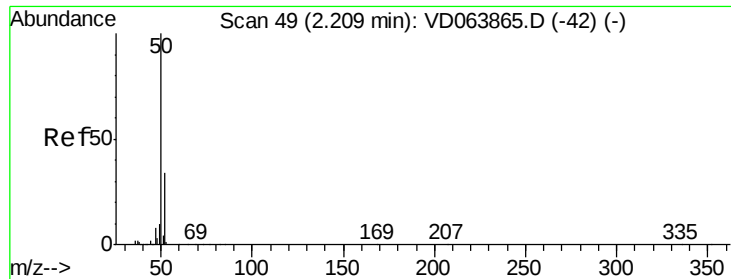
87 30.2 14.0 42.0



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 :

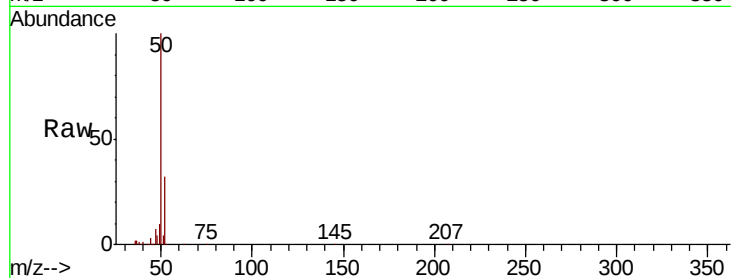
VSTDCCC050EC

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

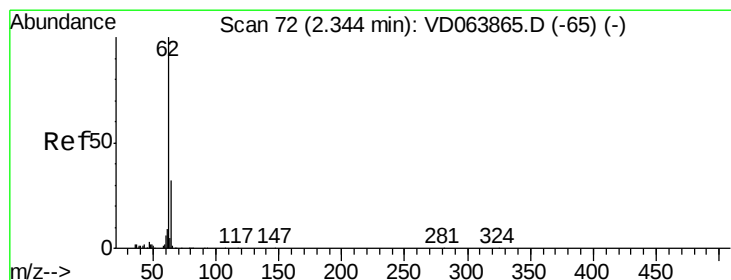
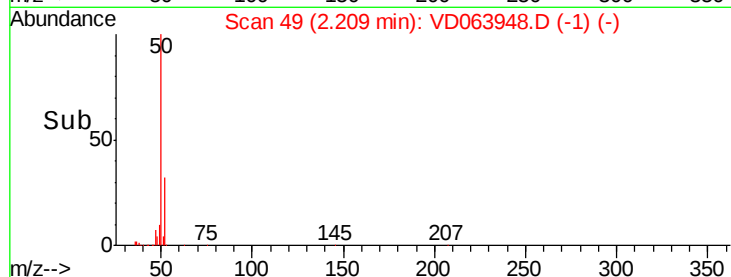
150000

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

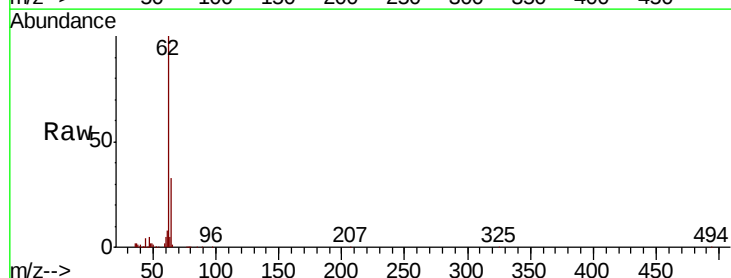
Acq: 11 Oct 2019 20:26

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

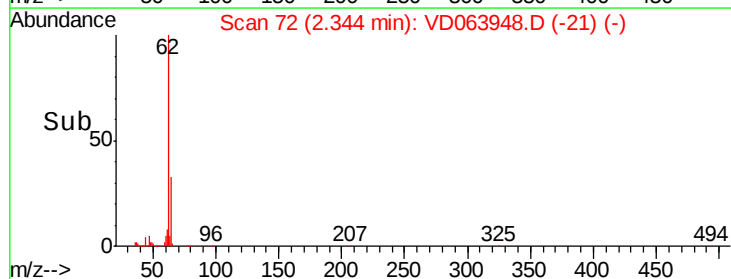
2.34

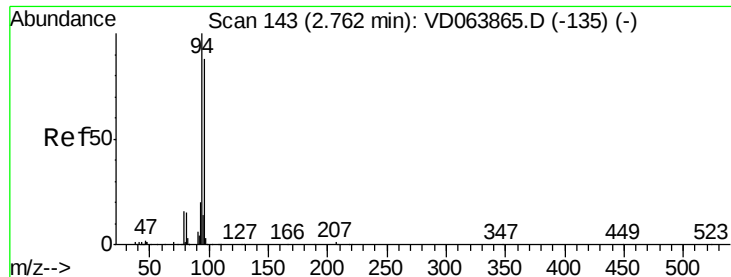
100000

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 :

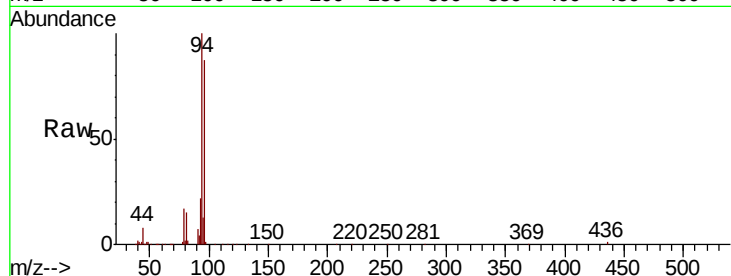
VSTDCCC050EC

Tot Ion: 94 Resp: 123147

Ion Ratio Lower Upper

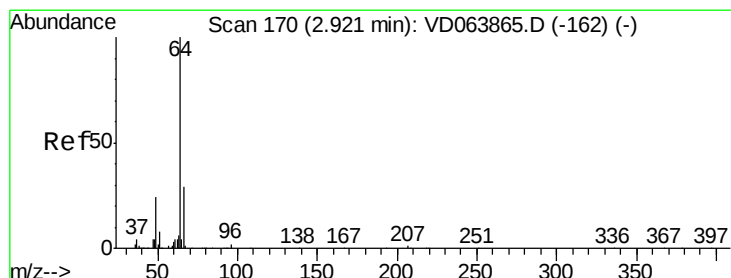
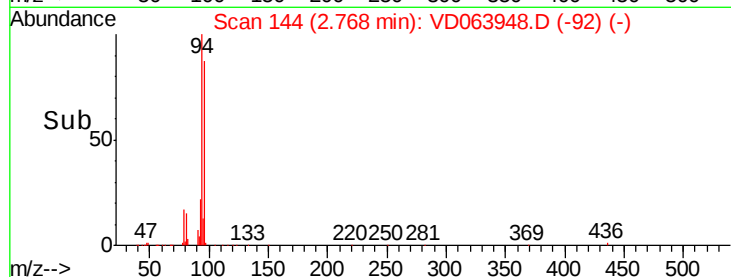
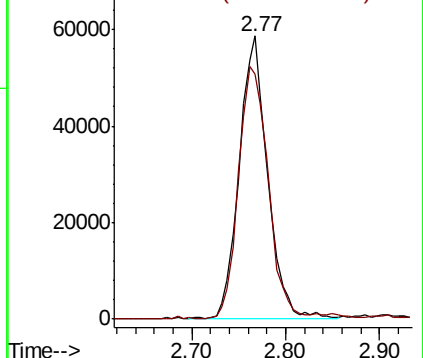
94 100

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

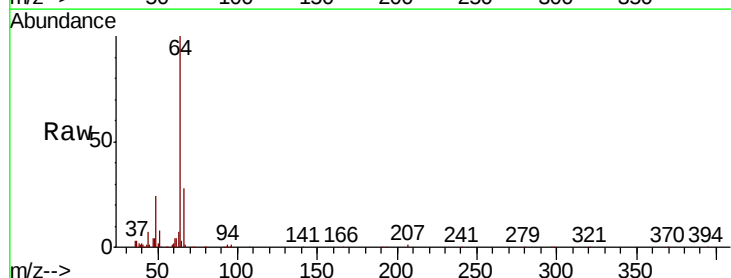
Acq: 11 Oct 2019 20:26

Tgt Ion: 64 Resp: 127124

Ion Ratio Lower Upper

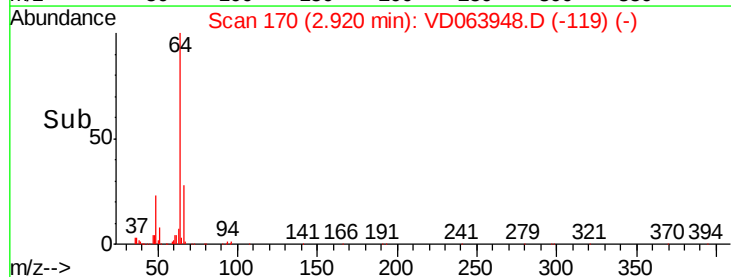
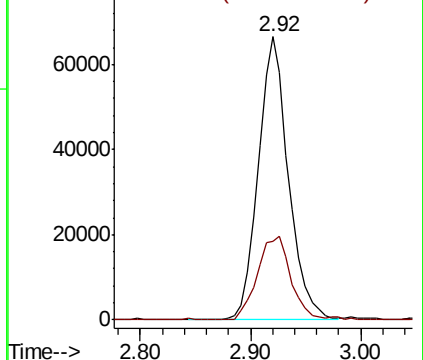
64 100

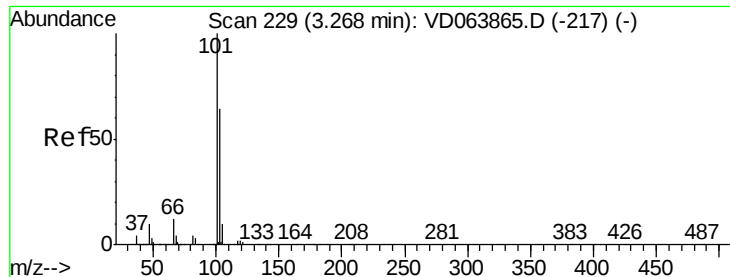
66 27.2 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



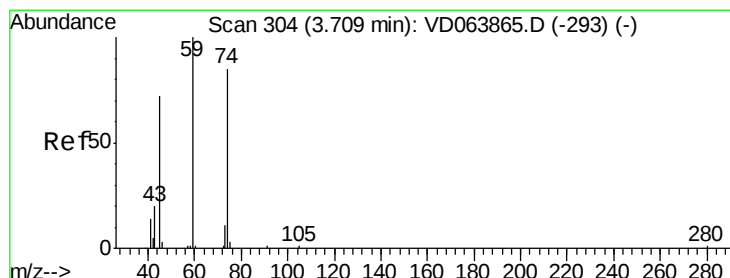
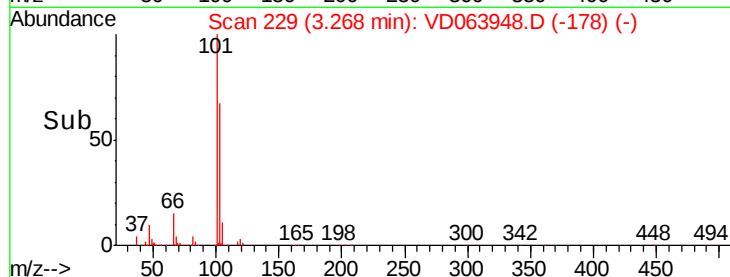
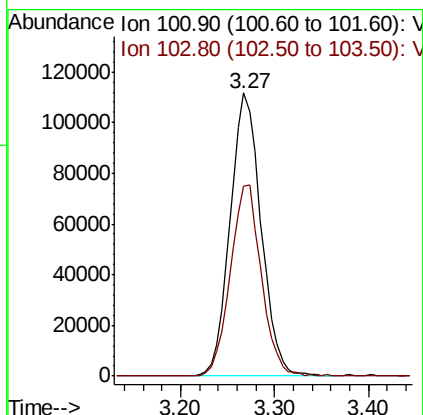
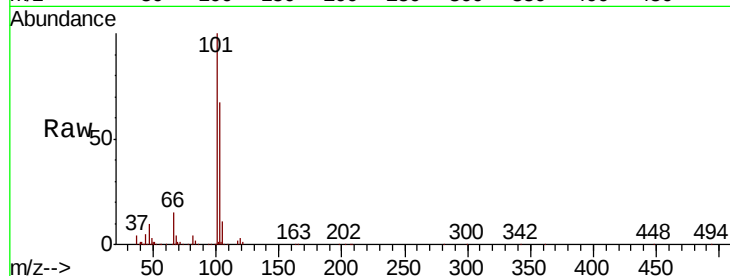


#7

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

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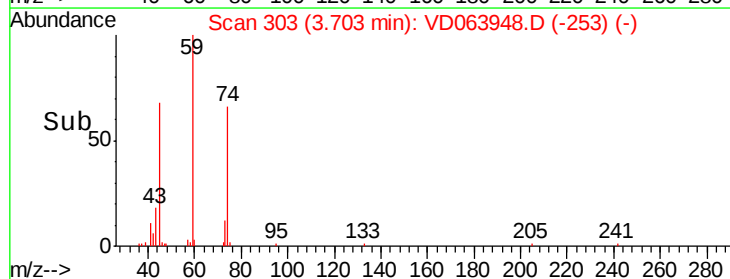
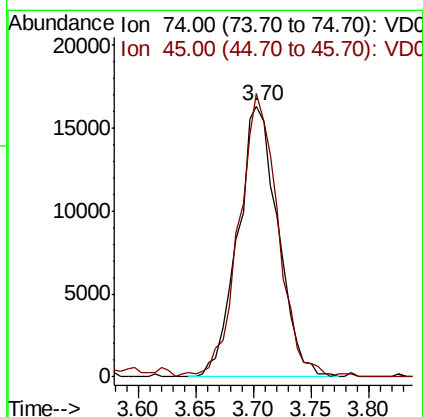
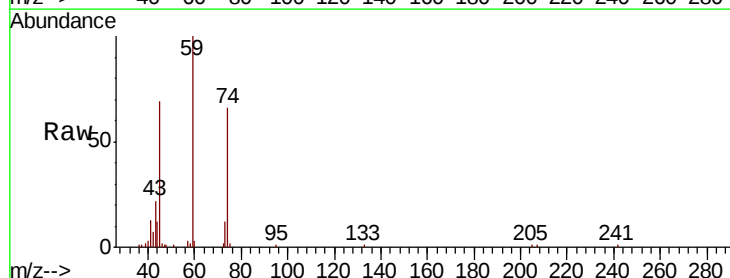
Tot Ion:101 Resp: 255307
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.1 76.7

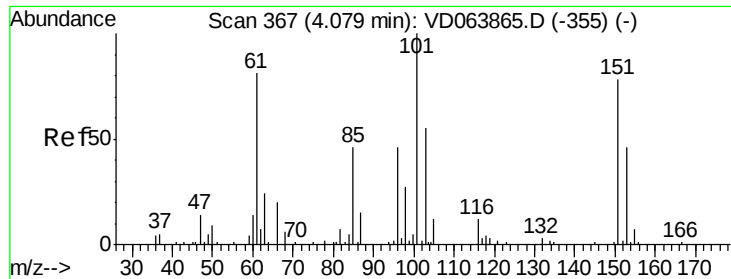


#8

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





#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

ClientSampleId :

VSTDCCC050EC

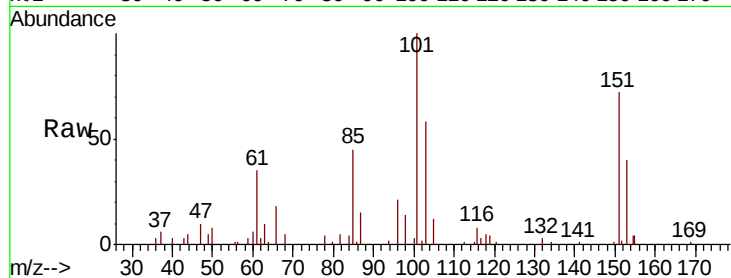
Tot Ion:101 Resp: 62966

Ion Ratio Lower Upper

101 100

85 45.8 37.5 56.3

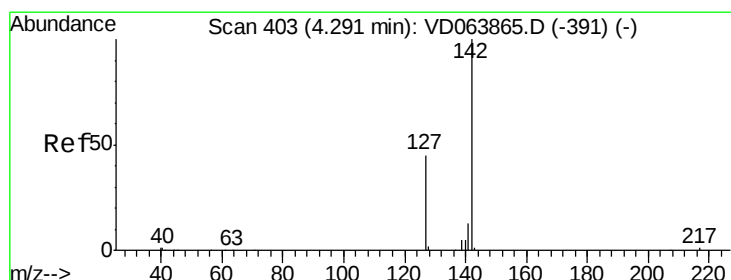
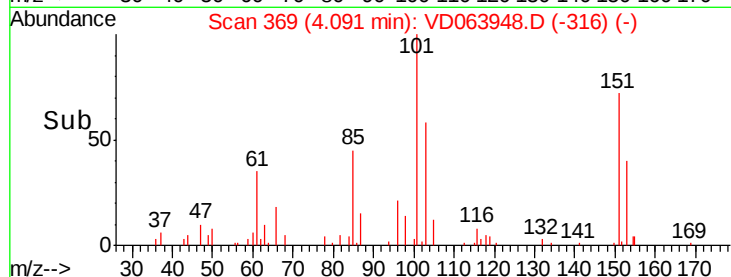
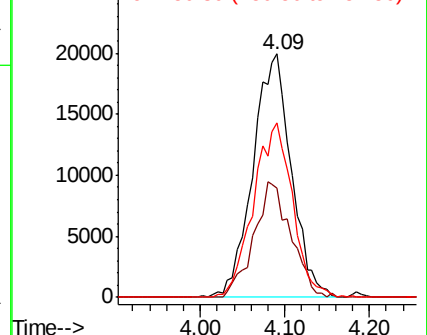
151 72.8 65.5 98.3



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

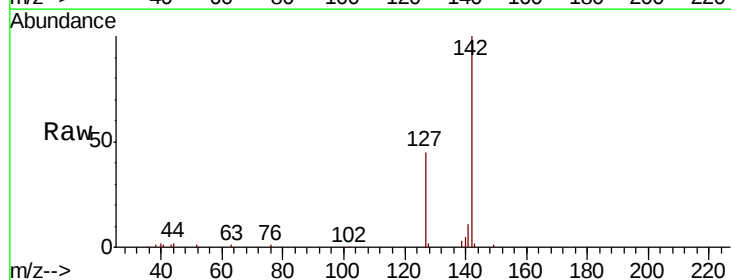
Tgt Ion:142 Resp: 89267

Ion Ratio Lower Upper

142 100

127 42.7 35.3 52.9

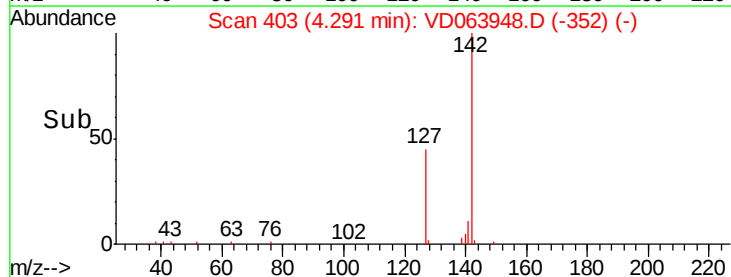
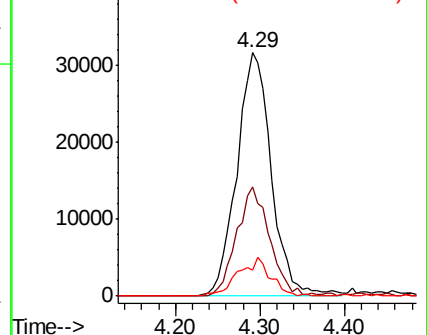
141 14.7 12.2 18.2

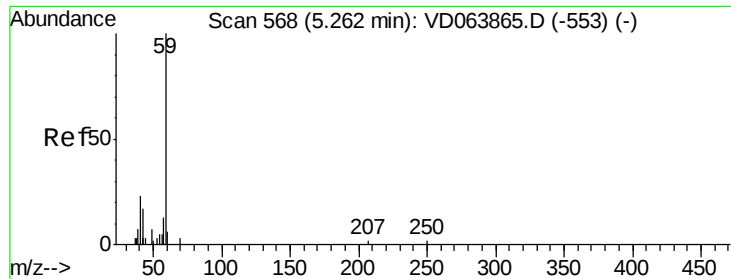


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



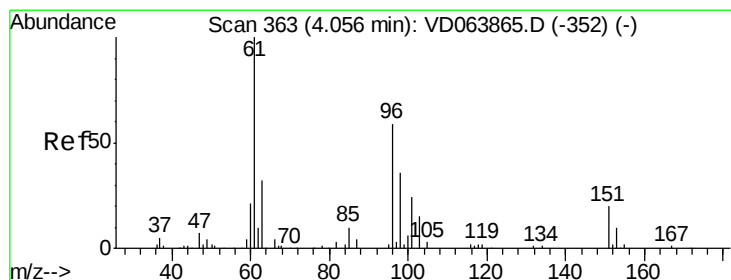
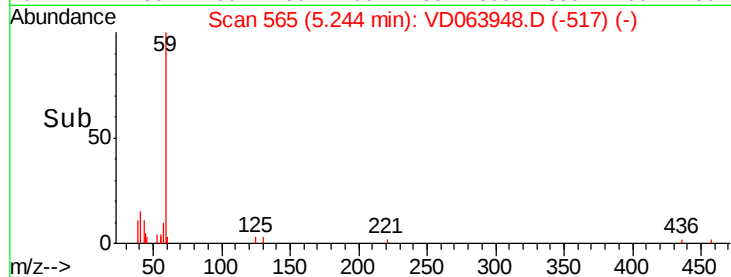
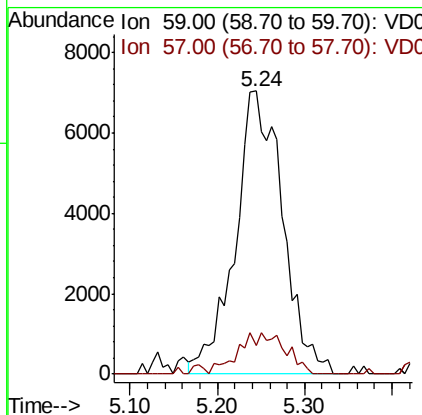
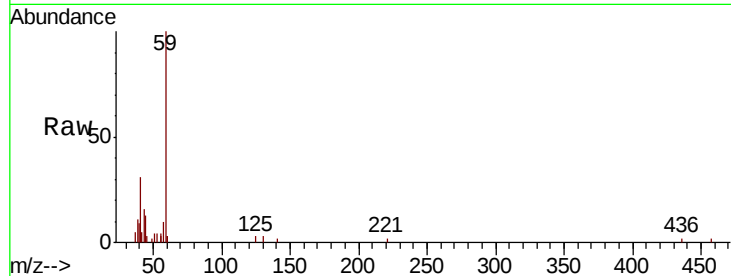


#11

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 :
VSTDCCC050EC

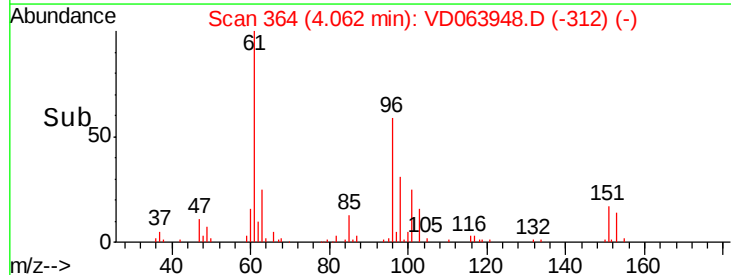
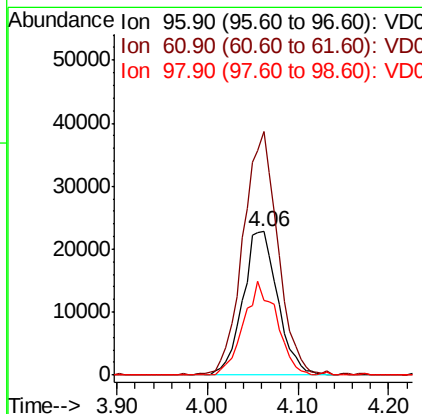
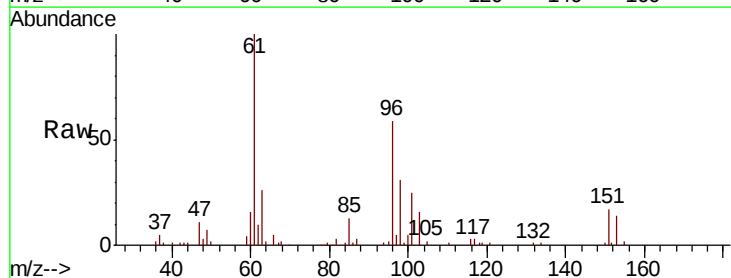
Tot Ion: 59 Resp: 26038
Ion Ratio Lower Upper
59 100
57 6.2 8.8 13.2#

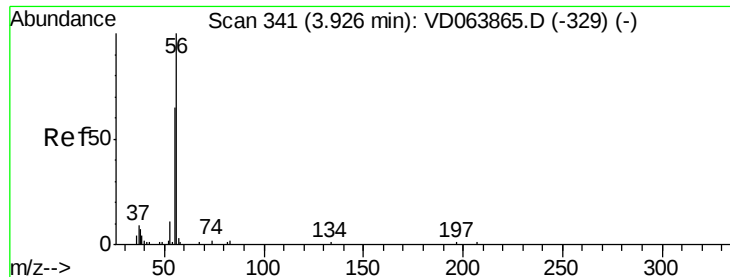


#12

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 :

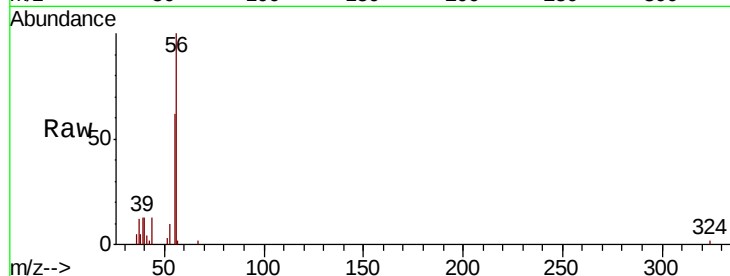
VSTDCCC050EC

Tot Ion: 56 Resp: 17997

Ion Ratio Lower Upper

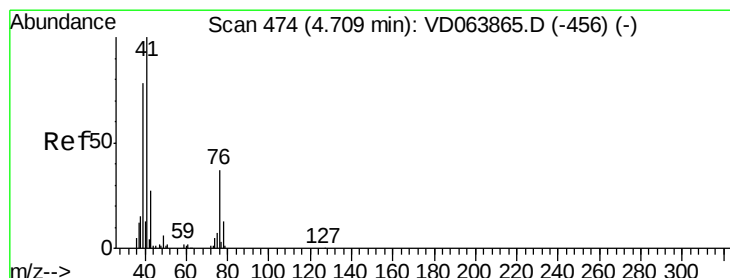
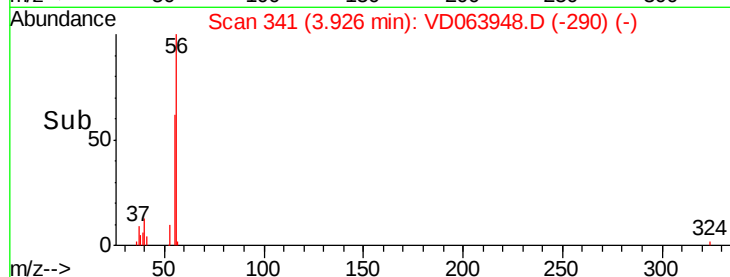
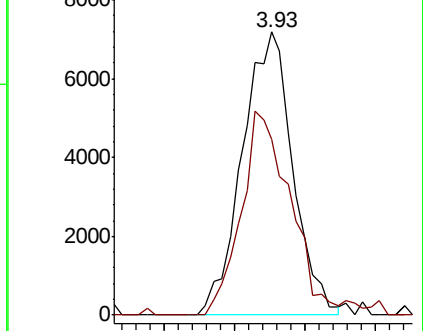
56 100

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

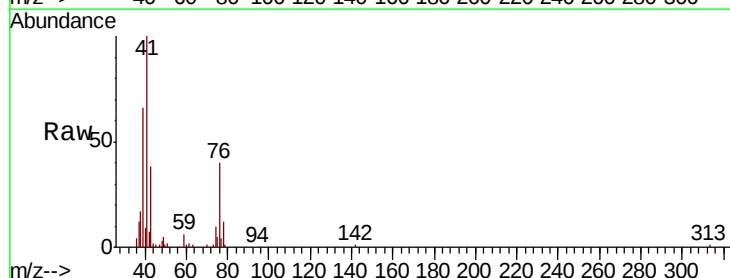
Tgt Ion: 41 Resp: 112387

Ion Ratio Lower Upper

41 100

39 75.0 61.8 92.6

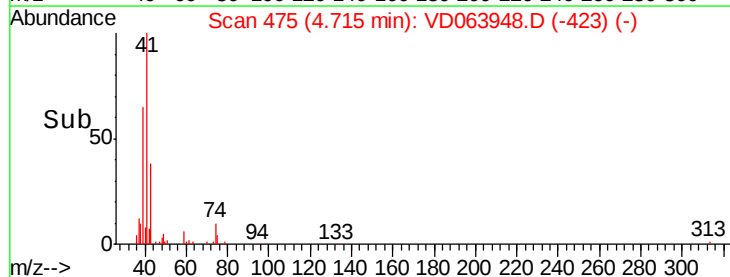
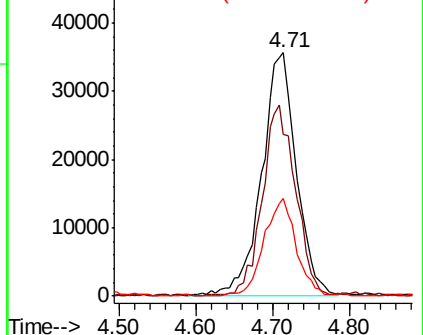
76 37.0 31.3 46.9

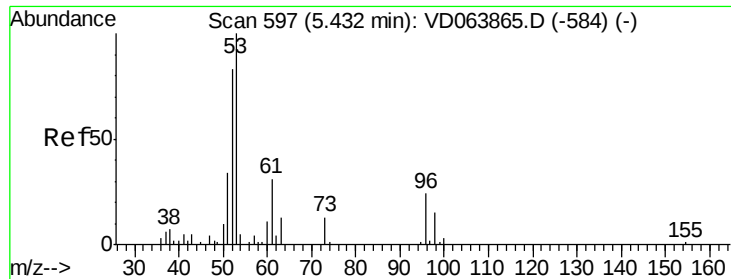


Abundance Ion 41.00 (40.70 to 41.70): VDC

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 :

VSTDCCC050EC

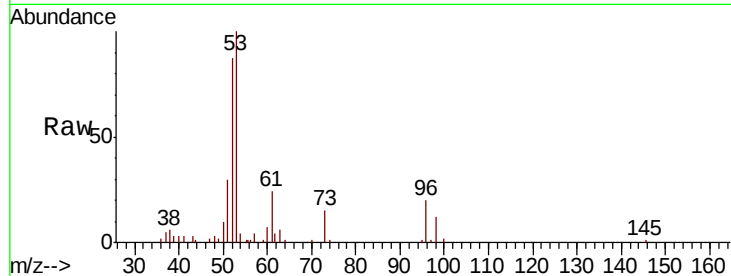
Tot Ion: 53 Resp: 101359

Ion Ratio Lower Upper

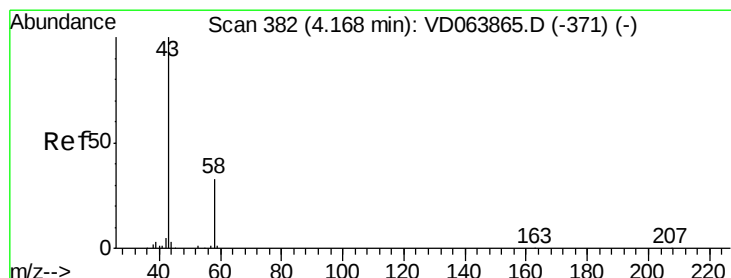
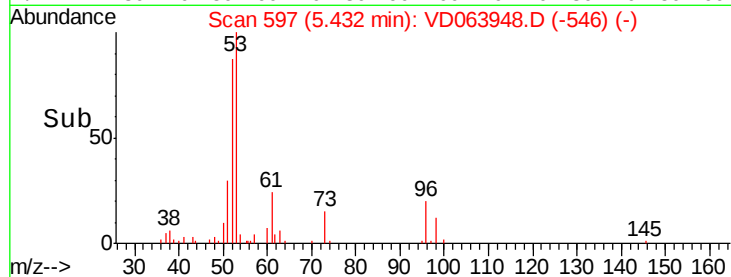
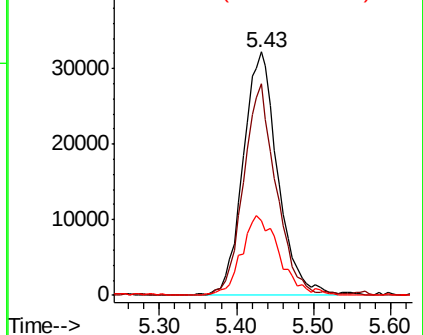
53 100

52 81.2 67.3 100.9

51 34.8 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 216.182 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063948.D

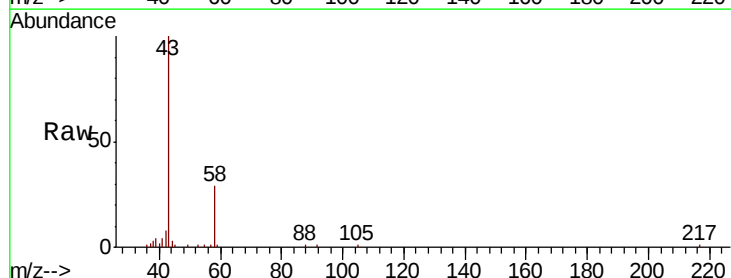
Acq: 11 Oct 2019 20:26

Tgt Ion: 43 Resp: 85651

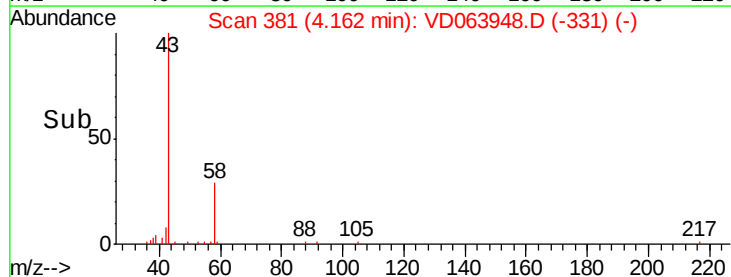
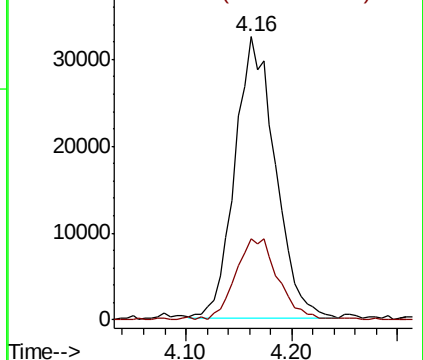
Ion Ratio Lower Upper

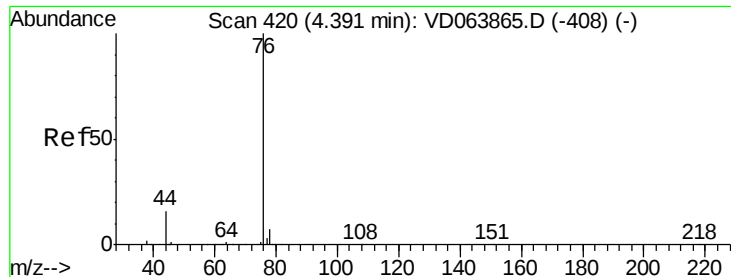
43 100

58 28.3 26.2 39.4



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

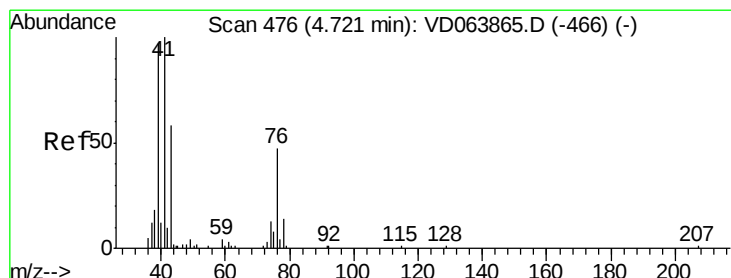
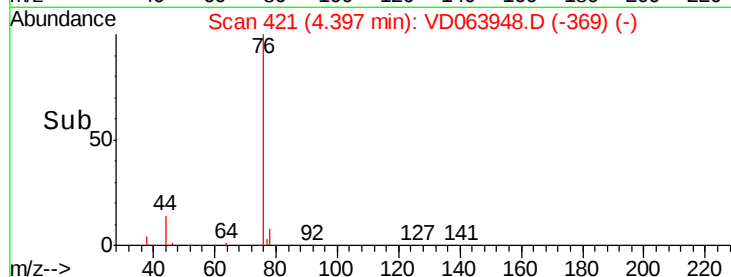
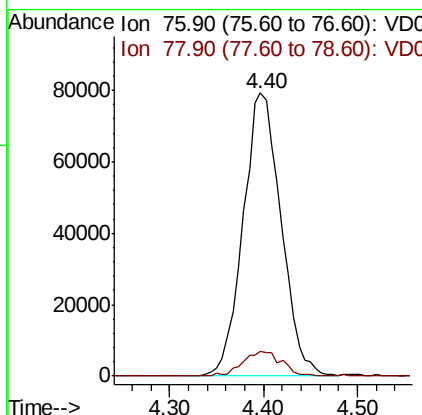
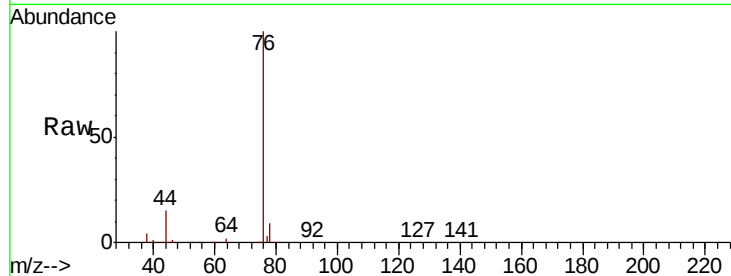




#17
Carbon Disulfide
Concen: 46.589 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

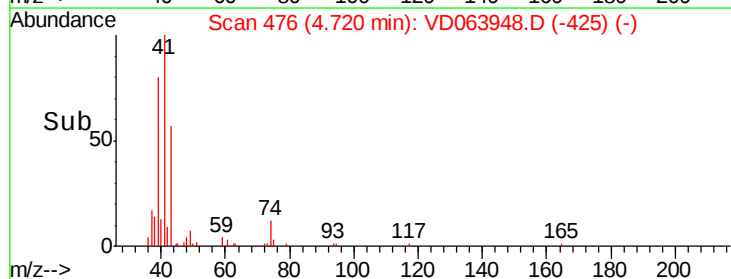
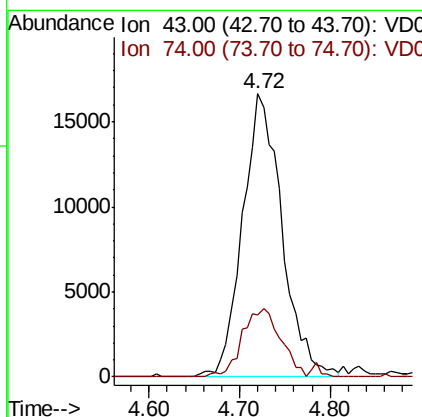
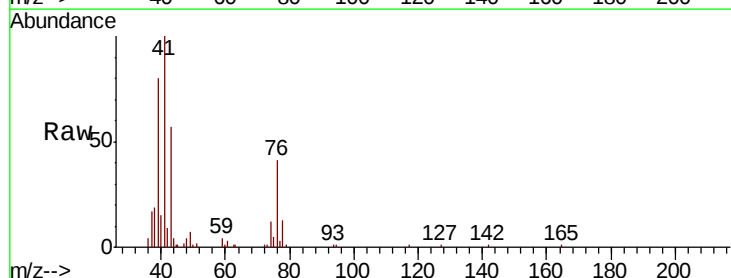
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

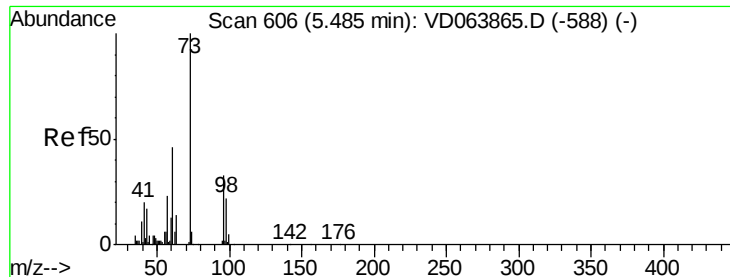
Tot Ion: 76 Resp: 221851
Ion Ratio Lower Upper
76 100
78 8.7 5.8 8.8



#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



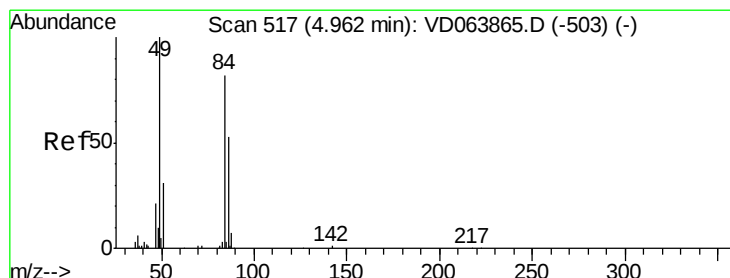
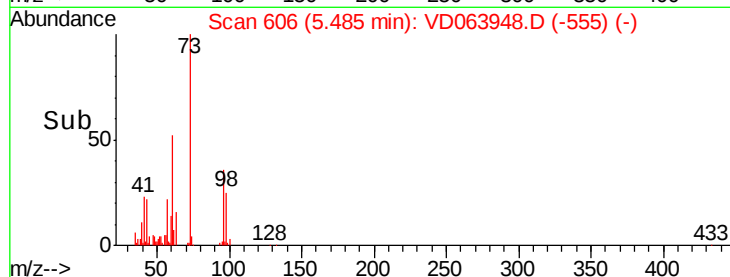
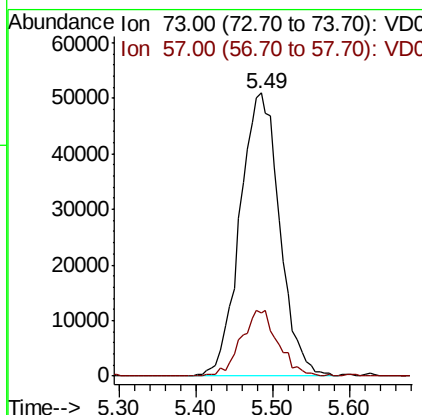
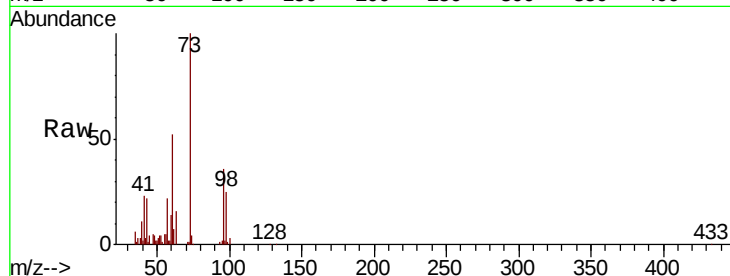


#19

Methyl tert-butyl 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 :
 VSTDCCC050EC

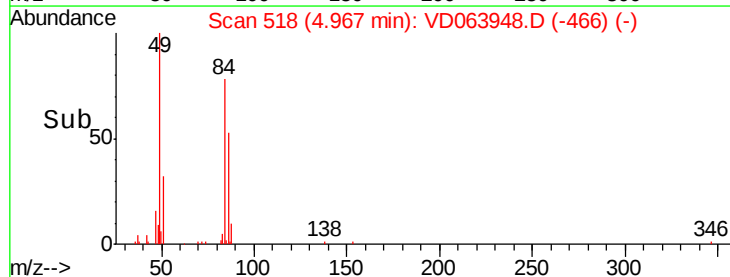
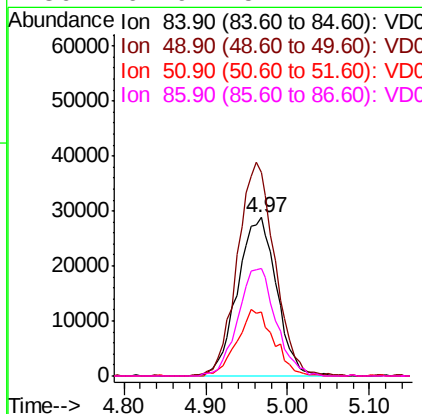
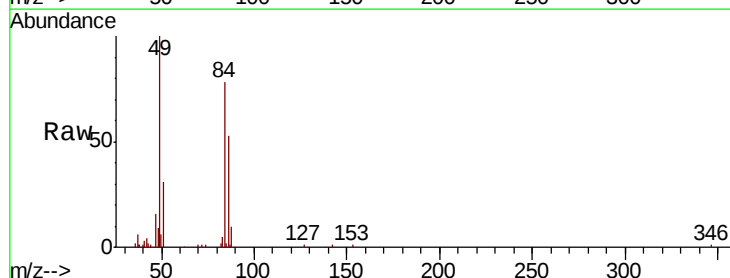
Tot Ion: 73 Resp: 183210
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.1 27.1

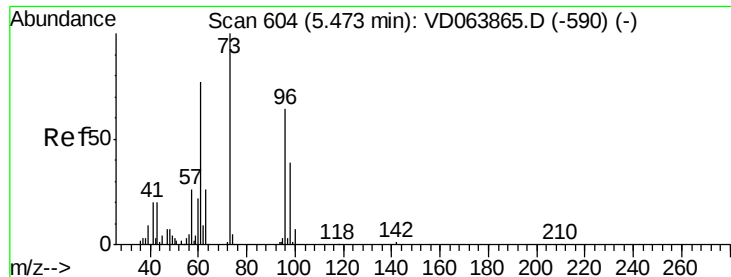


#20

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 :

VSTDCCC050EC

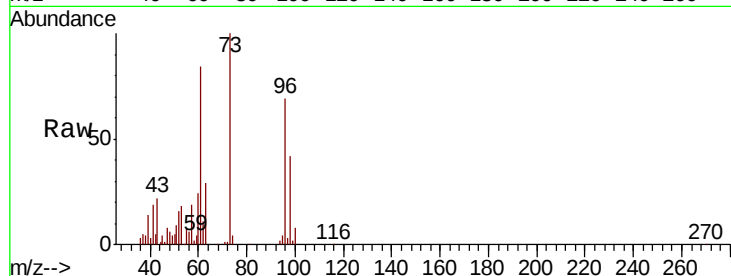
Tot Ion: 96 Resp: 84918

Ion Ratio Lower Upper

96 100

61 122.0 96.6 145.0

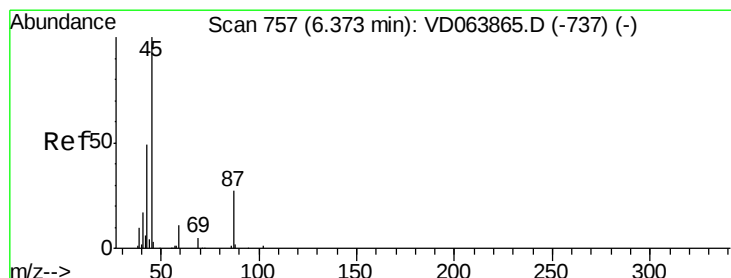
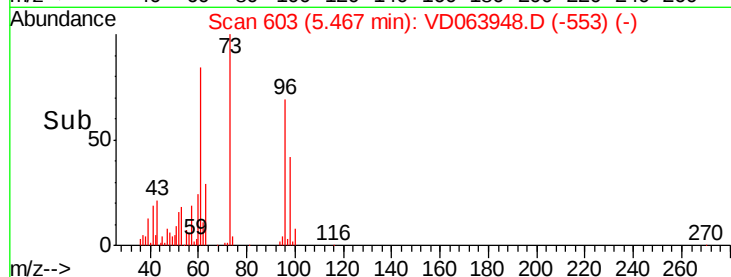
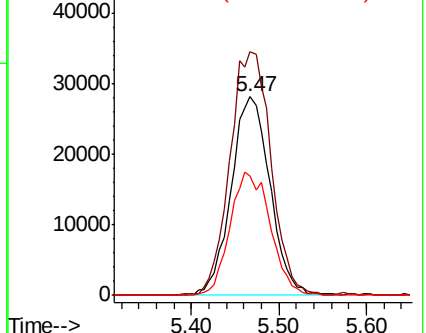
98 60.4 48.7 73.1



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

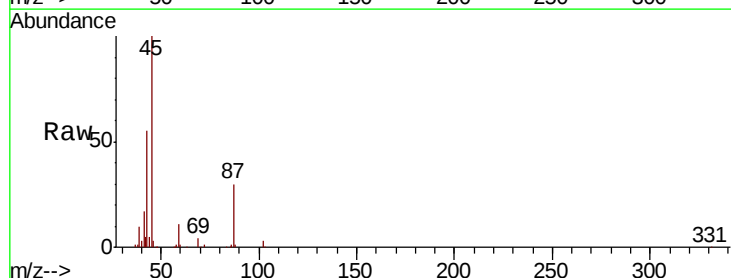
Ion Ratio Lower Upper

45 100

43 53.5 41.2 61.8

87 30.2 22.2 33.4

59 10.8 9.2 13.8

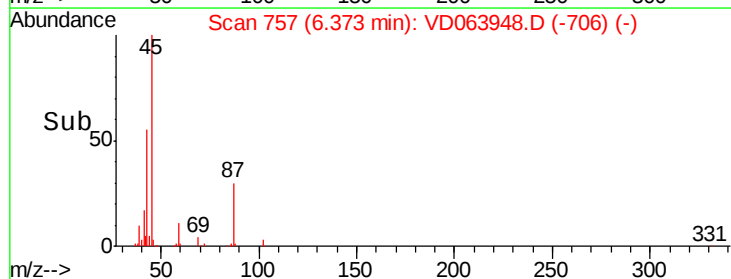
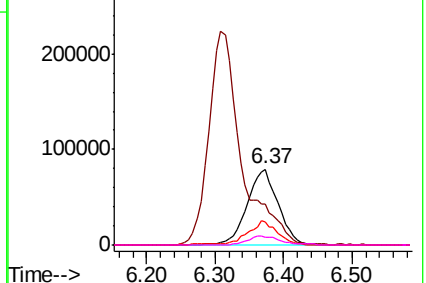


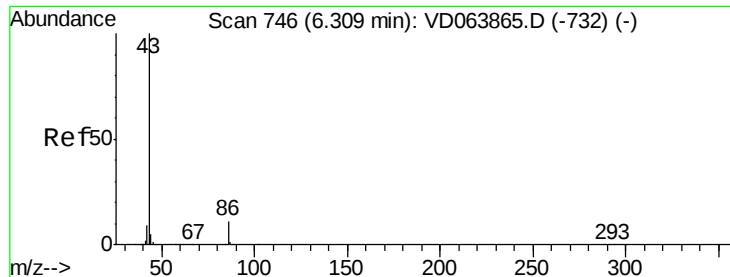
Abundance Ion 45.00 (44.70 to 45.70): VDC

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 :

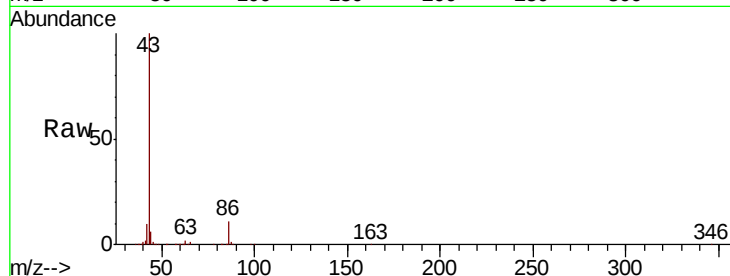
VSTDCCC050EC

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

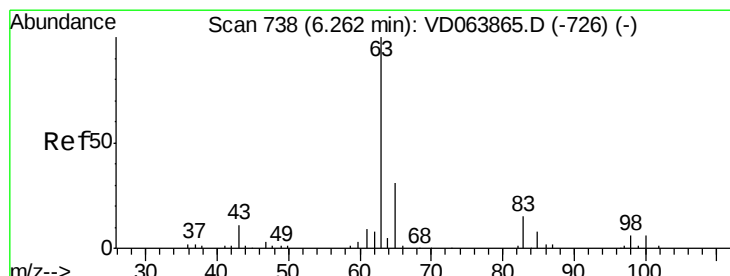
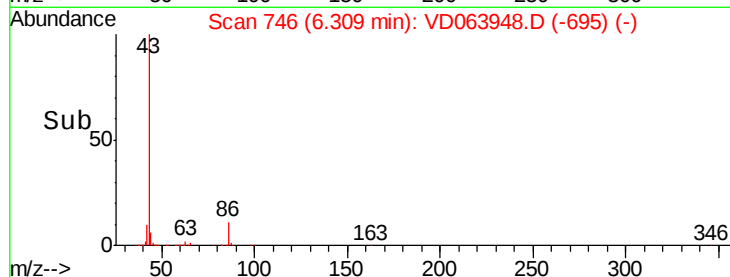
150000

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

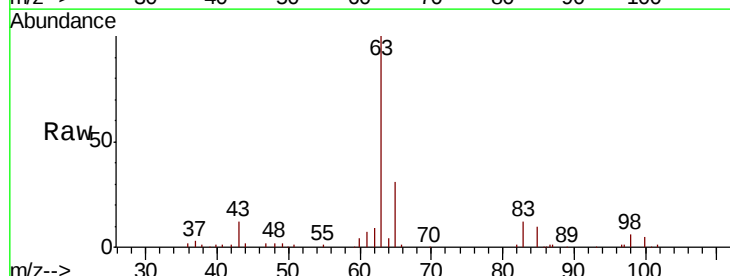
Tgt Ion: 63 Resp: 146163

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

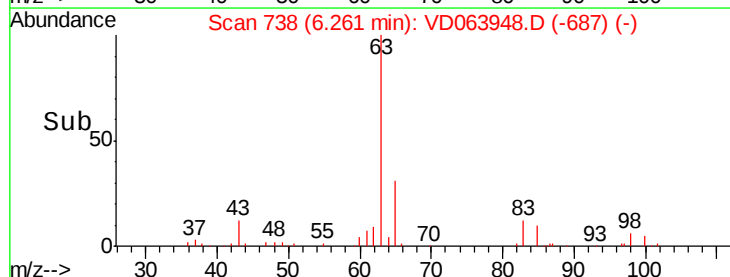
30000

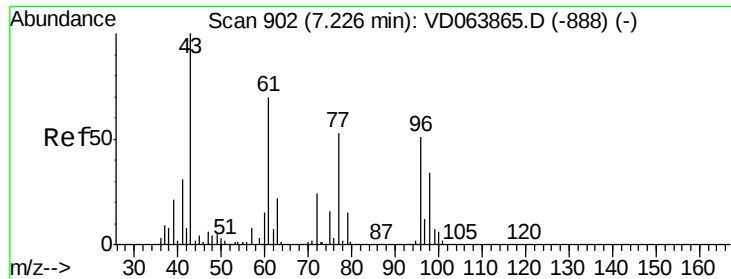
20000

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

ClientSampleId :

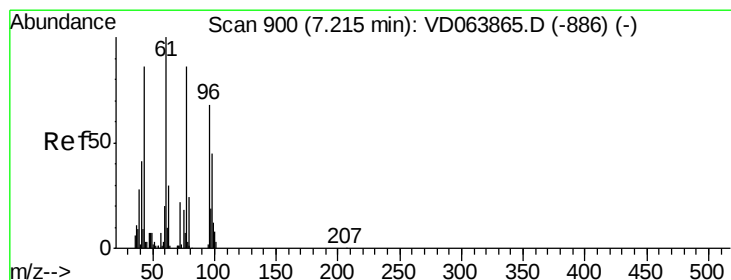
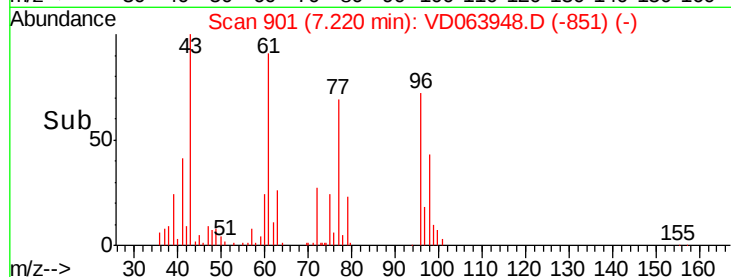
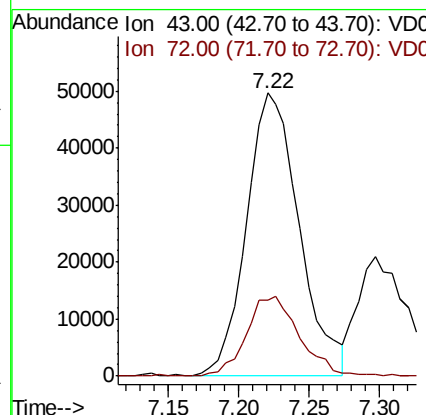
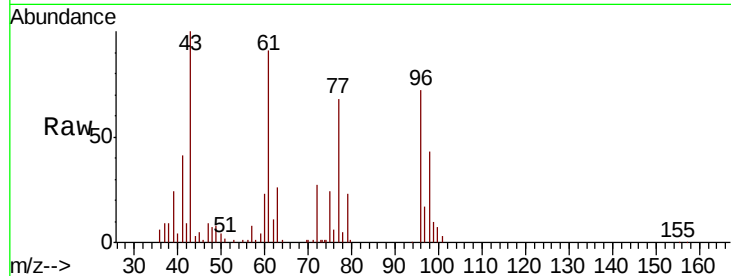
VSTDCCC050EC

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

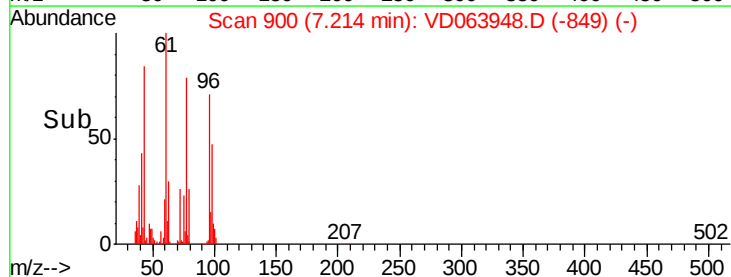
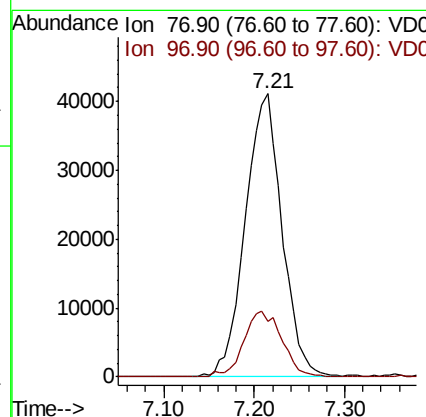
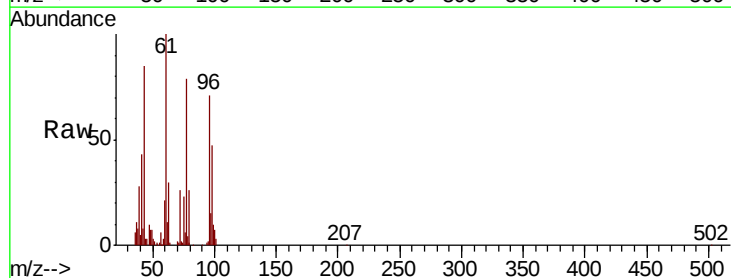
Acq: 11 Oct 2019 20:26

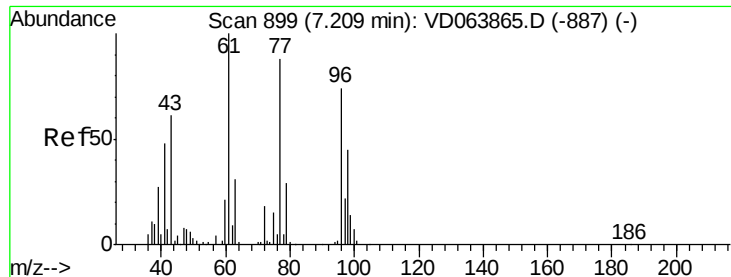
Tgt Ion: 77 Resp: 115960

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.1



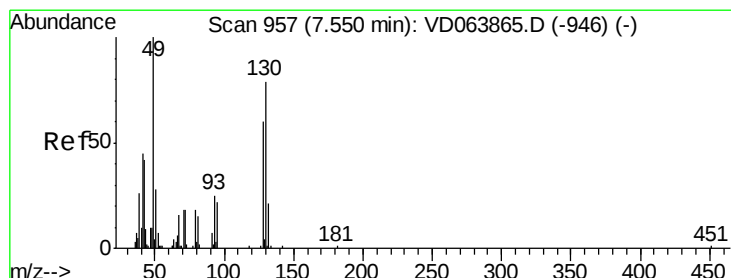
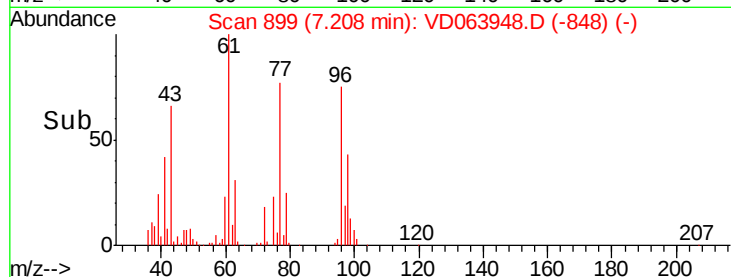
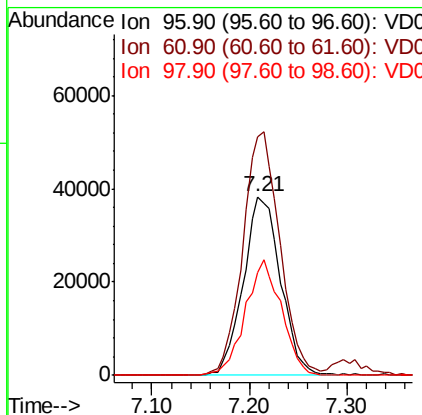
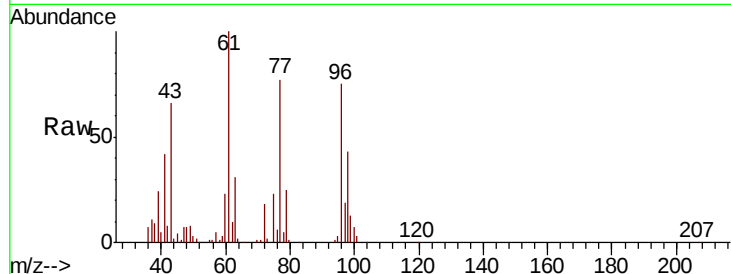


#27

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 :
 VSTDCCC050EC

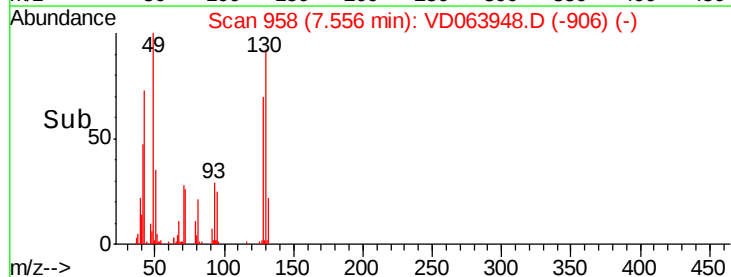
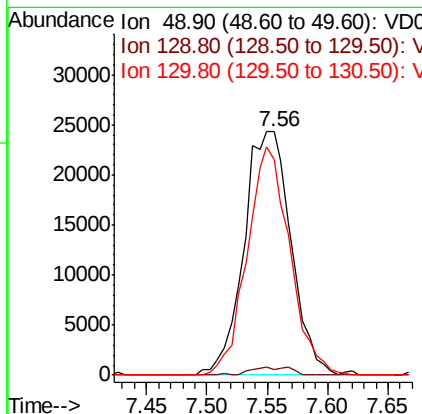
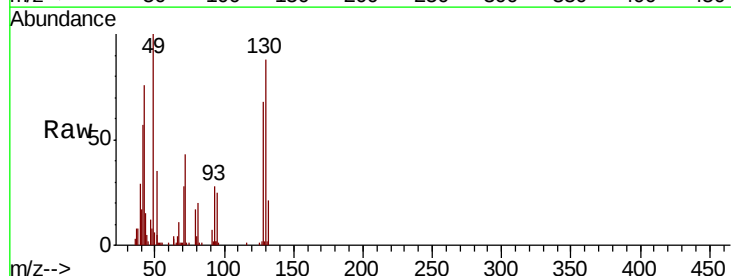
Tot Ion: 96 Resp: 102307
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 280.0
 98 62.8 0.0 130.4

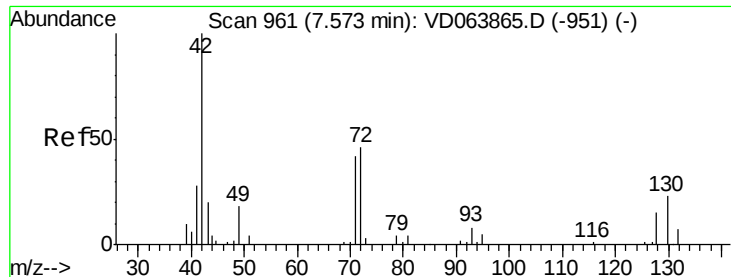


#28

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: 49 Resp: 65682
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 5.6
 130 85.1 66.8 100.2

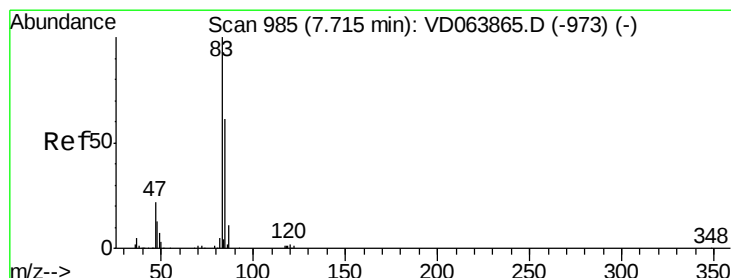
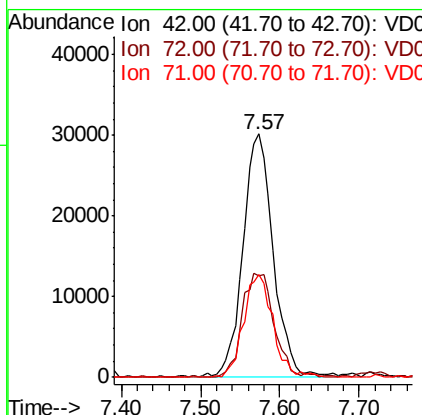
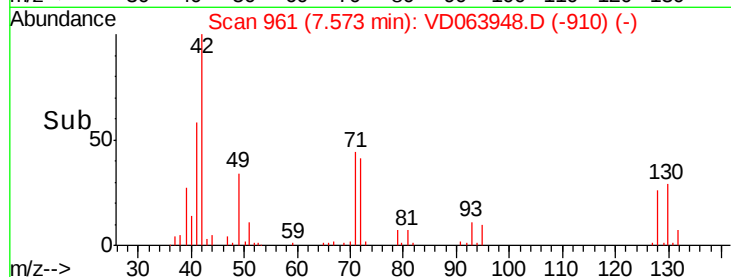
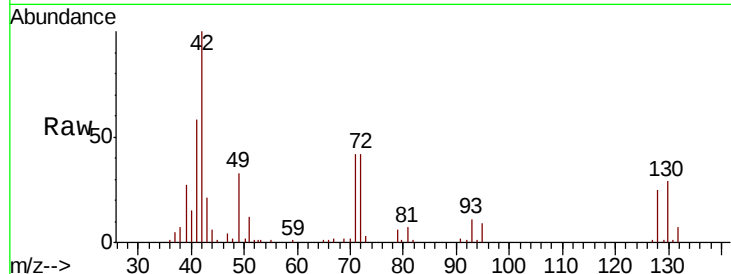




#29
Tetrahydrofuran
Concen: 293.650 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

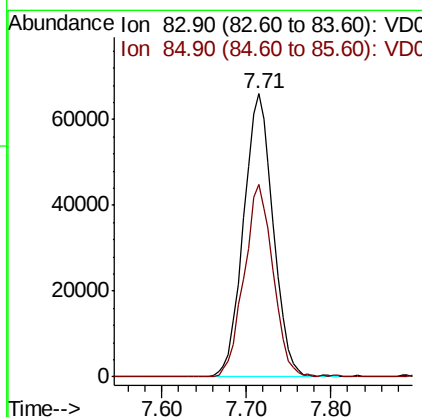
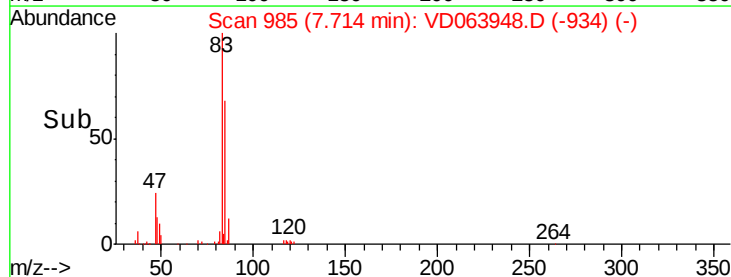
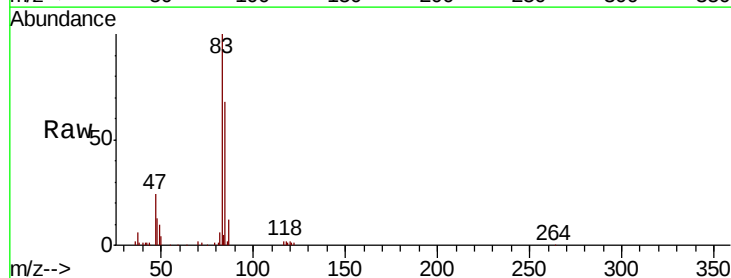
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

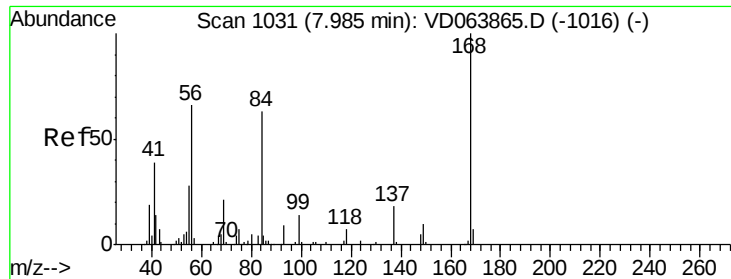
Tot Ion: 42 Resp: 80478
Ion Ratio Lower Upper
42 100
72 44.3 37.6 56.4
71 41.0 35.0 52.6



#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

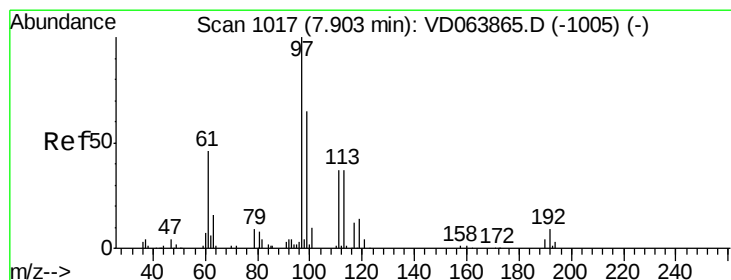
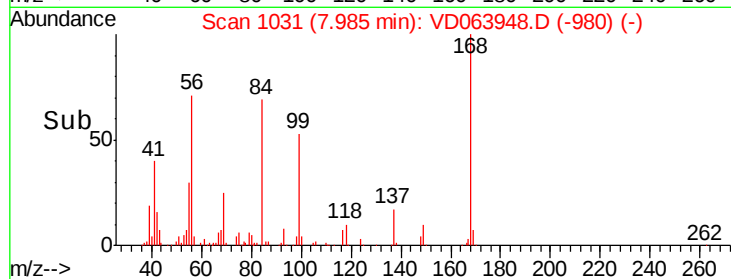
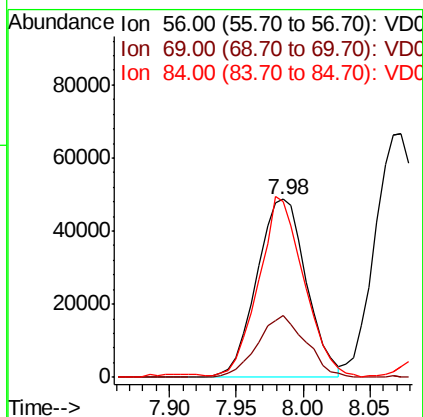
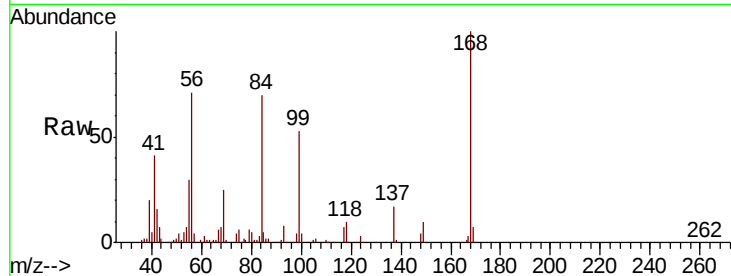




#31
Cyclohexane
Concen: 55.876 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

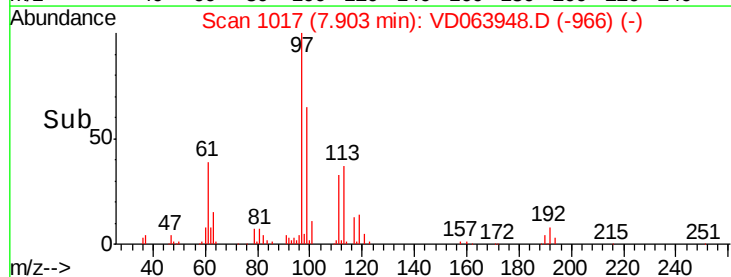
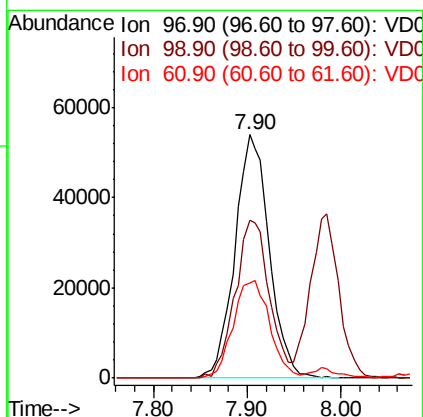
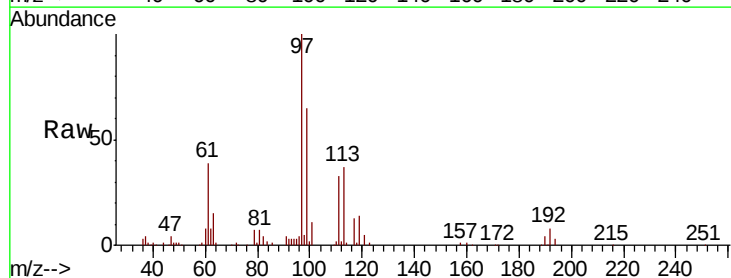
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

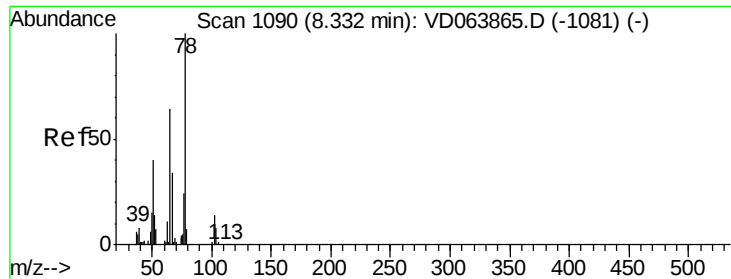
Tot Ion: 56 Resp: 125508
Ion Ratio Lower Upper
56 100
69 34.3 25.0 37.4
84 97.0 76.3 114.5



#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 :

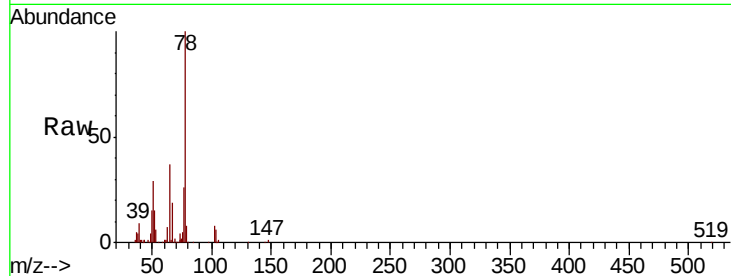
VSTDCCC050EC

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

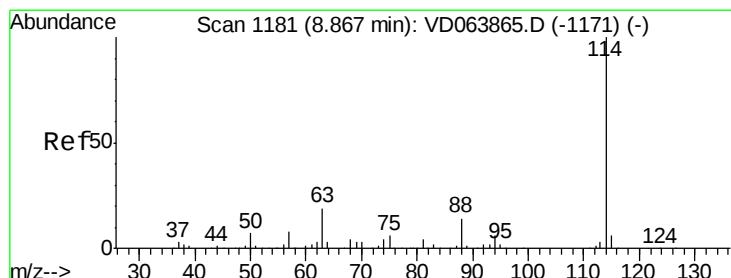
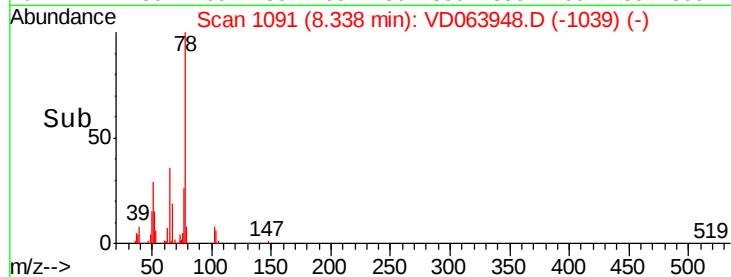
20000

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

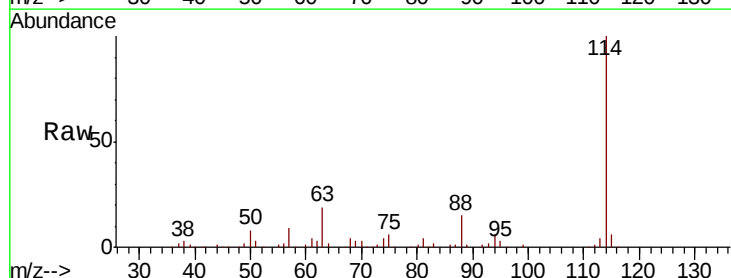
Tgt Ion: 114 Resp: 262951

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

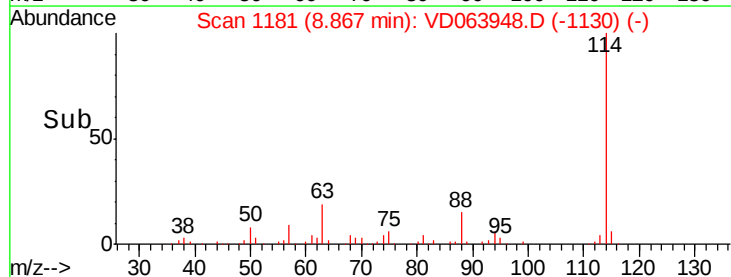
100000

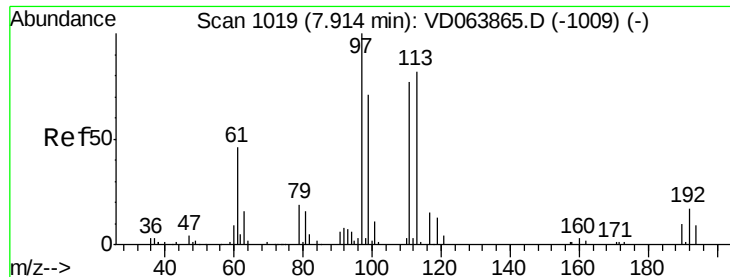
50000

0

8.80 8.90 9.00

Time-->

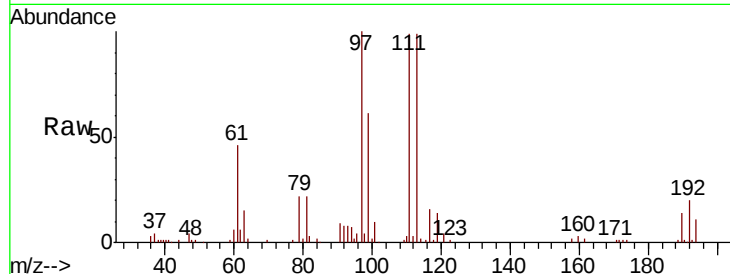




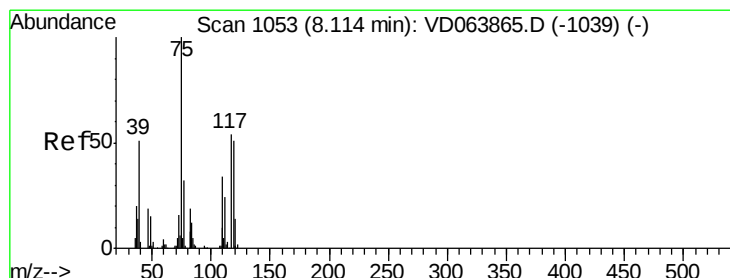
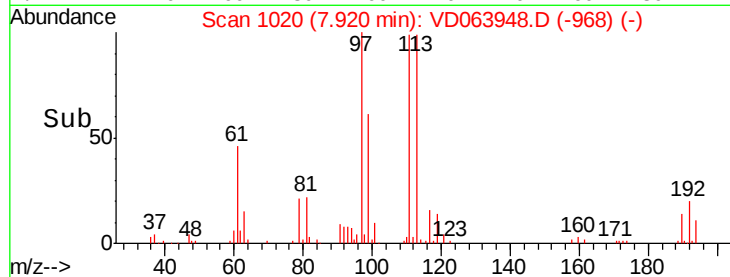
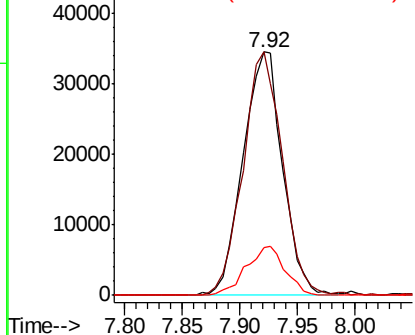
#35
 Dibromofluoromethane
 Concen: 51.336 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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

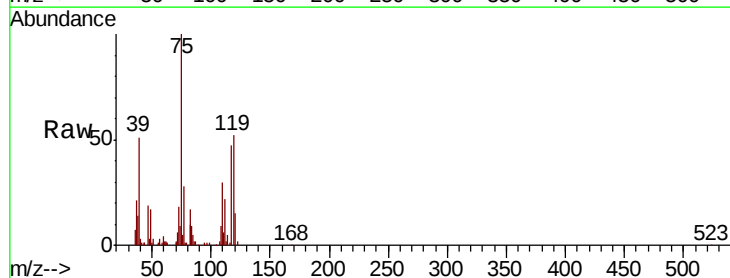


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

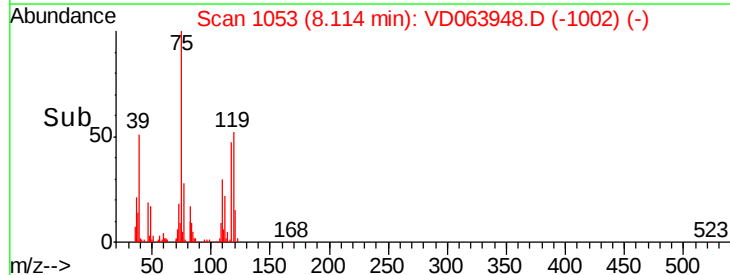
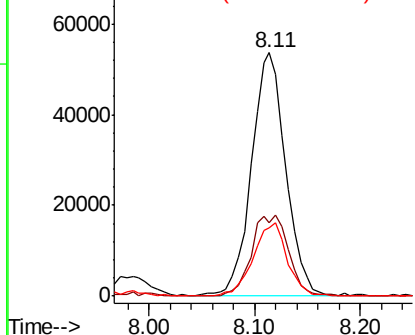


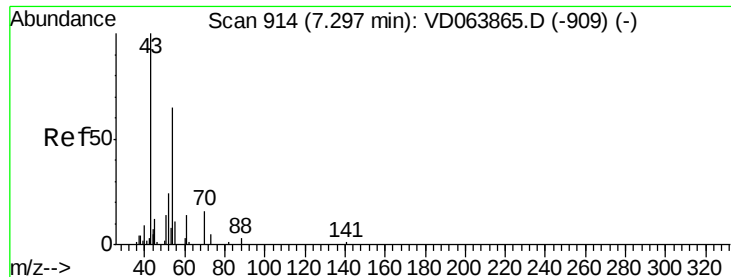
#36
 1,1-Dichloropropene
 Concen: 50.414 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

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

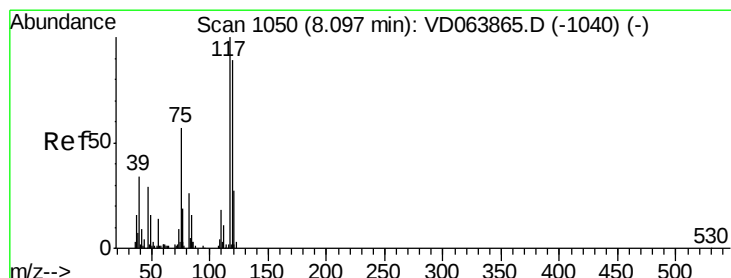
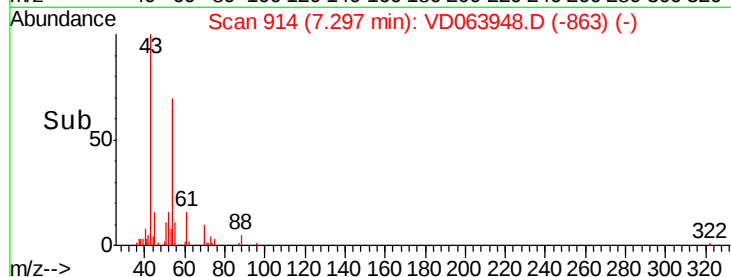
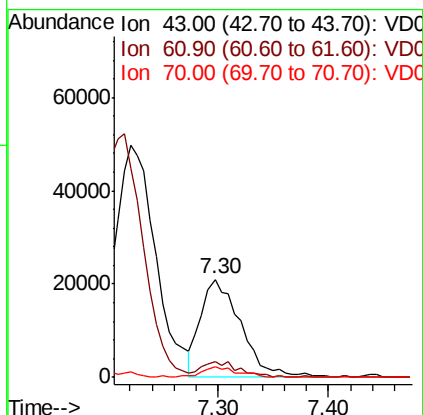
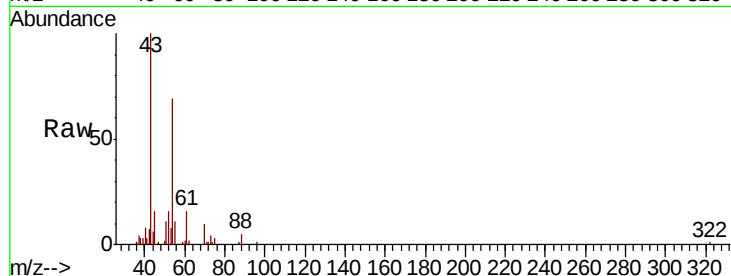




#37
Ethyl Acetate
Concen: 55.109 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

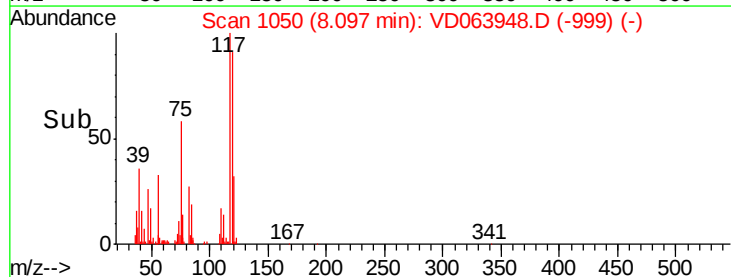
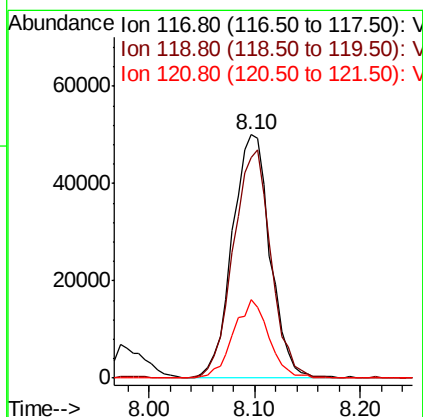
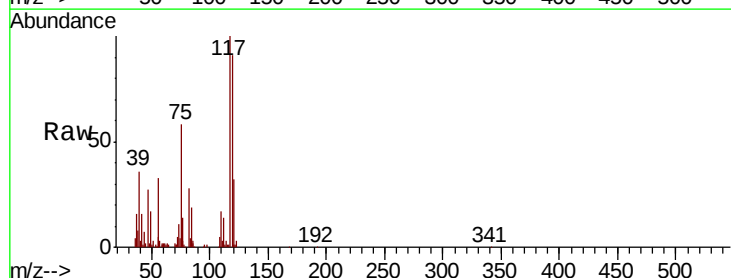
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

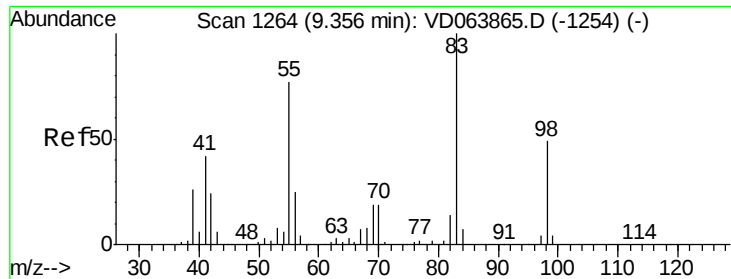
Tot Ion: 43 Resp: 52735
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 9.4 8.2 12.4



#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#

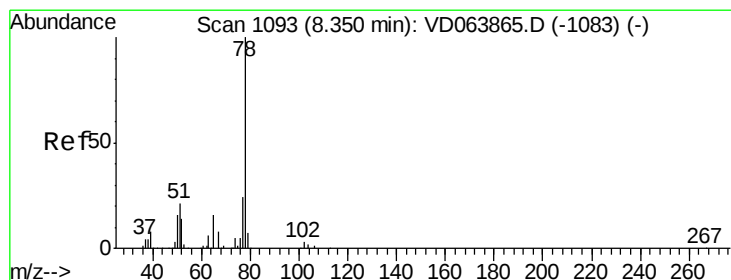
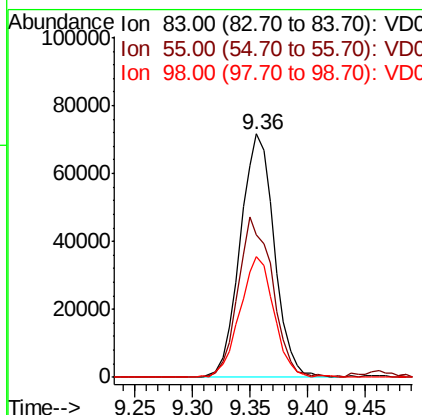
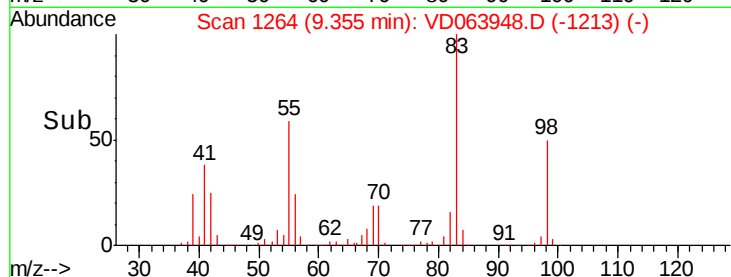
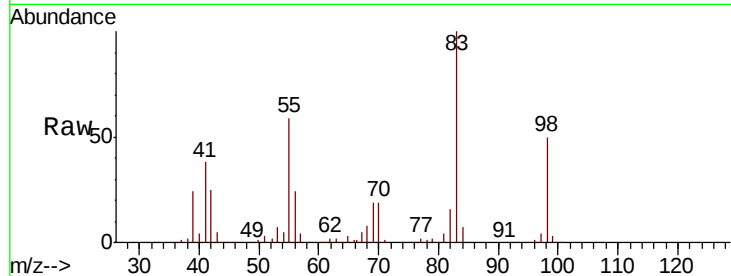




#39
Methvlcvclohexane
Concen: 49.688 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

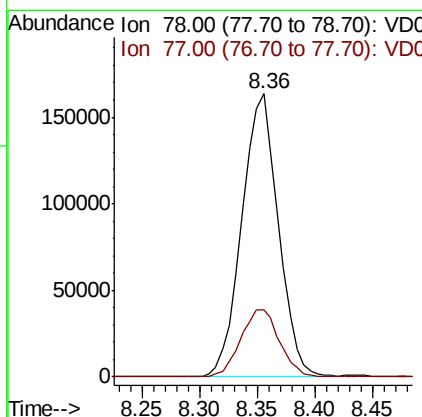
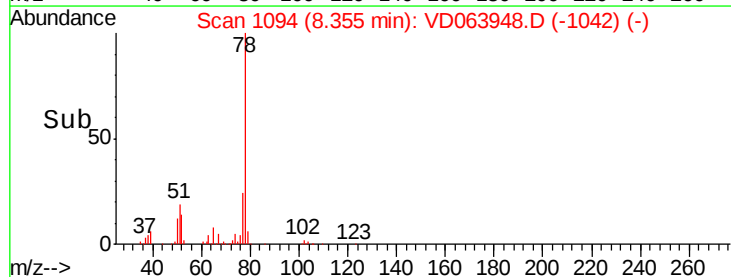
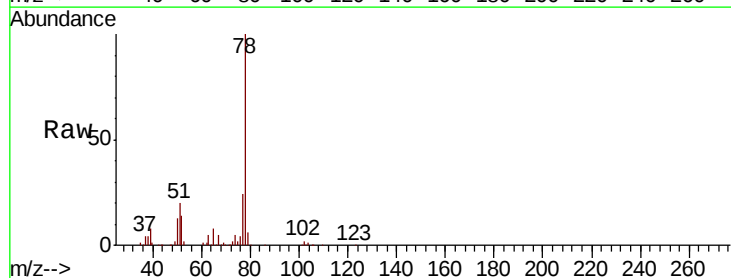
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

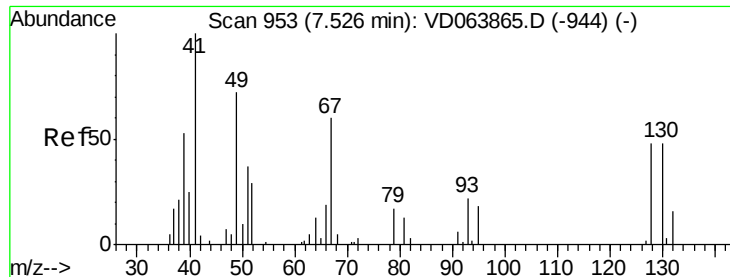
Tot Ion: 83 Resp: 146885
Ion Ratio Lower Upper
83 100
55 58.5 61.3 91.9#
98 49.7 39.3 58.9



#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

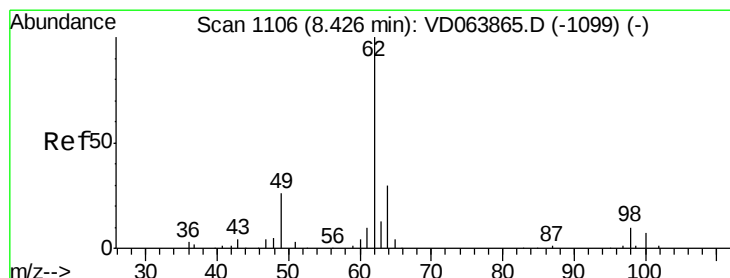
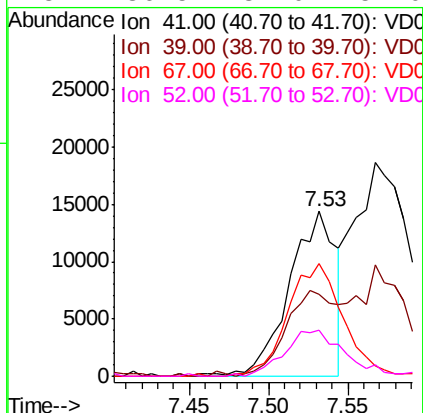
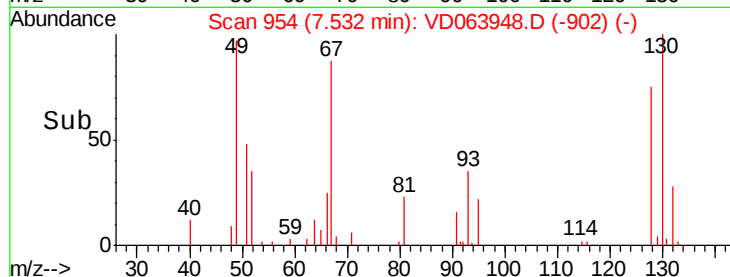
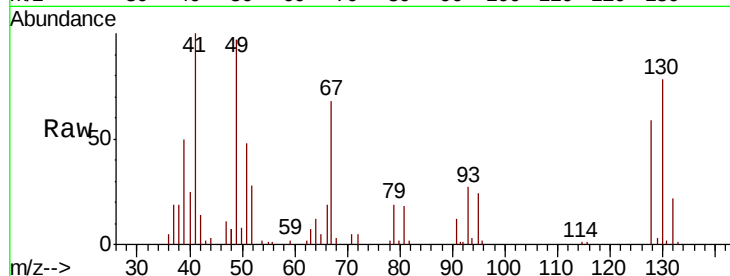




#41
Methacrylonitrile
Concen: 52.755 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

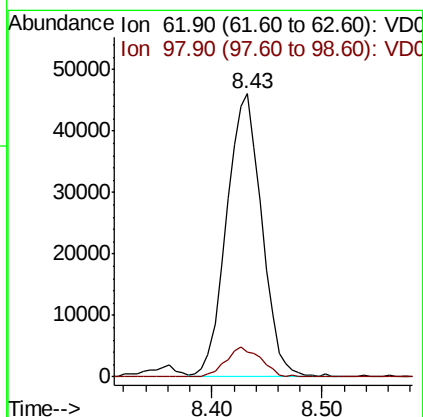
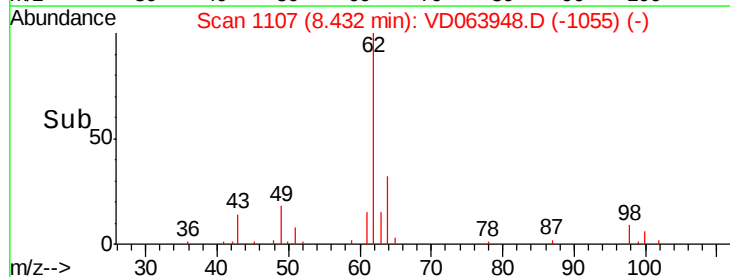
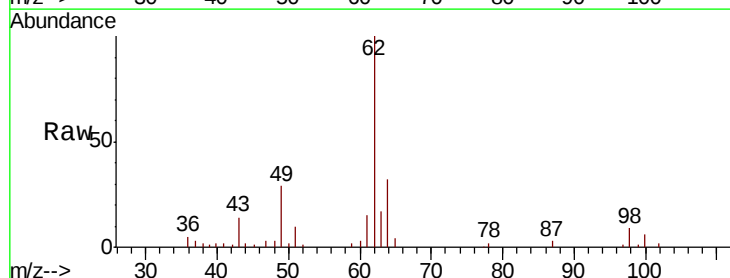
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

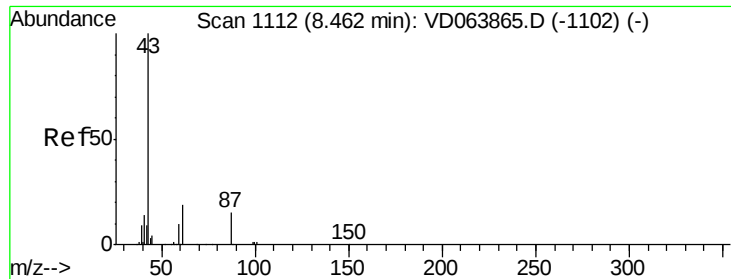
Tot Ion: 41 Resp: 29406
Ion Ratio Lower Upper
41 100
39 55.3 52.6 78.8
67 81.2 74.2 111.2
52 36.5 34.0 51.0



#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

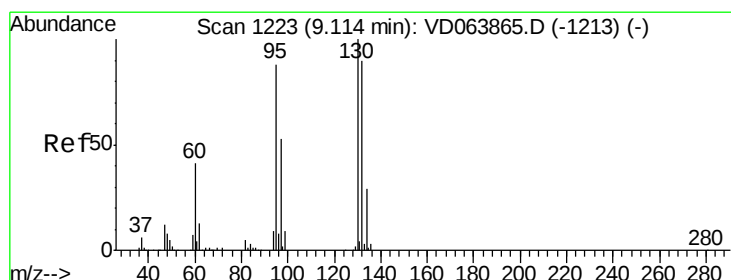
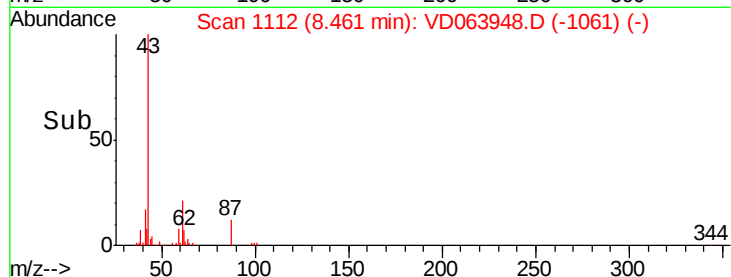
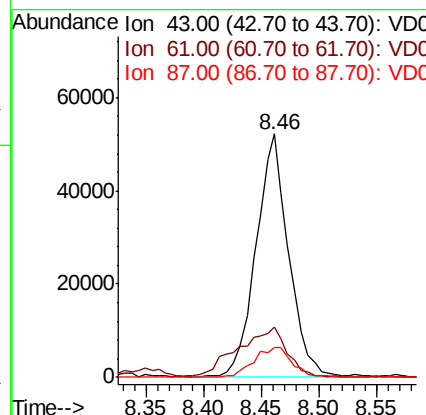
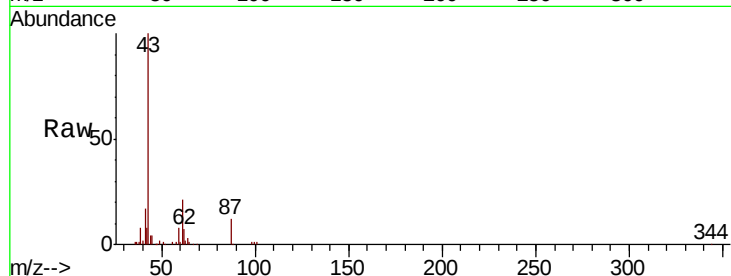




#43
Isopropyl Acetate
Concen: 50.941 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

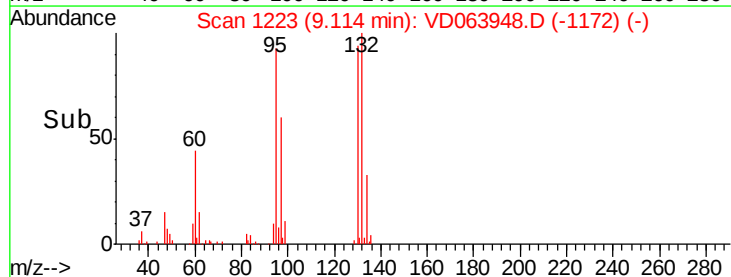
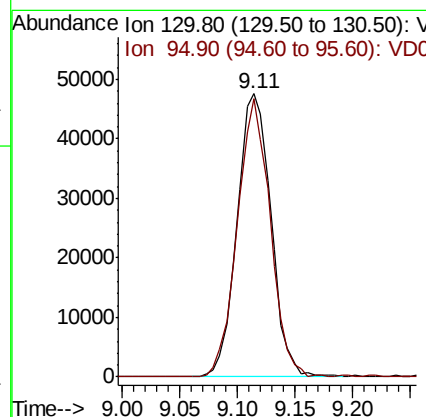
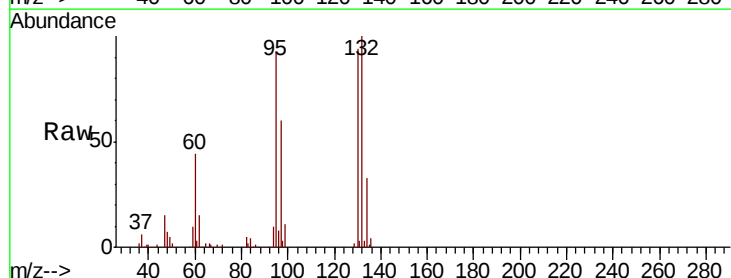
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

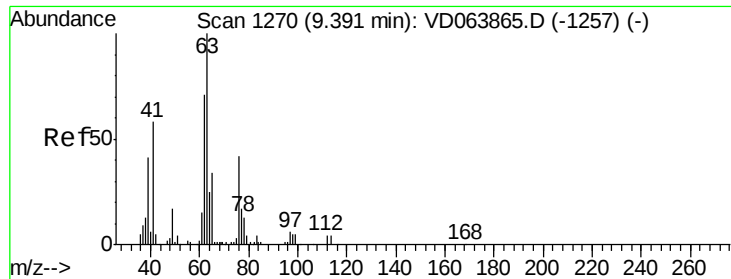
Tot Ion: 43 Resp: 102710
Ion Ratio Lower Upper
43 100
61 31.3 25.7 38.5
87 14.3 11.6 17.4



#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





#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 :

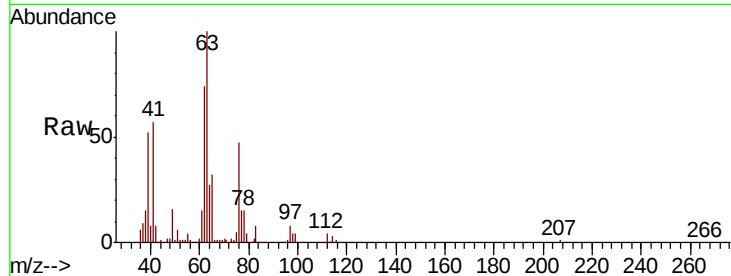
VSTDCCC050EC

Tot Ion: 63 Resp: 89709

Ion Ratio Lower Upper

63 100

65 32.4 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

30000

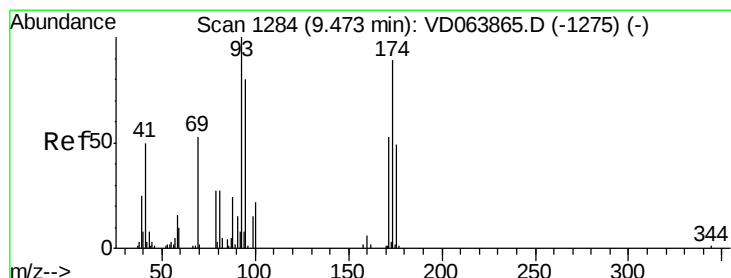
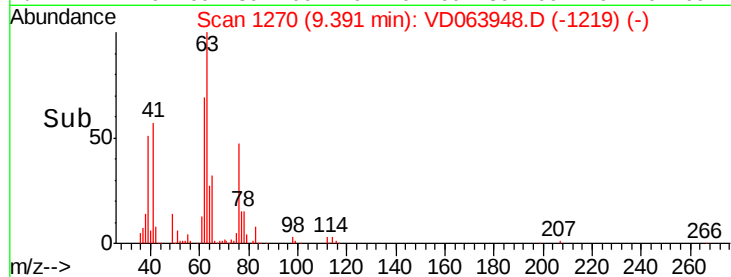
20000

10000

0

Time-->

9.30 9.40 9.50



#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

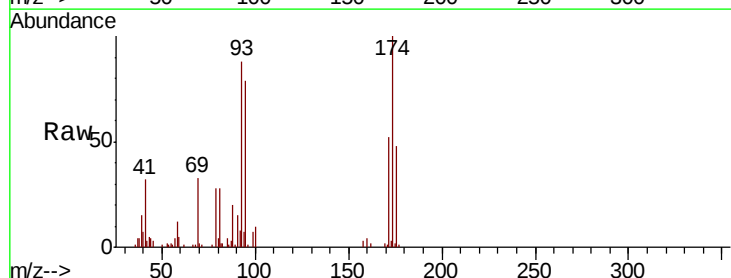
Tgt Ion: 93 Resp: 52750

Ion Ratio Lower Upper

93 100

95 82.2 66.0 99.0

174 107.2 83.4 125.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

30000

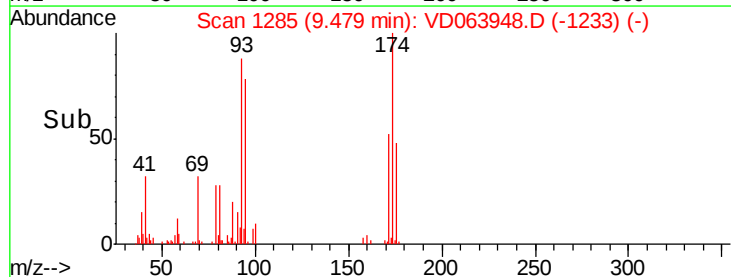
20000

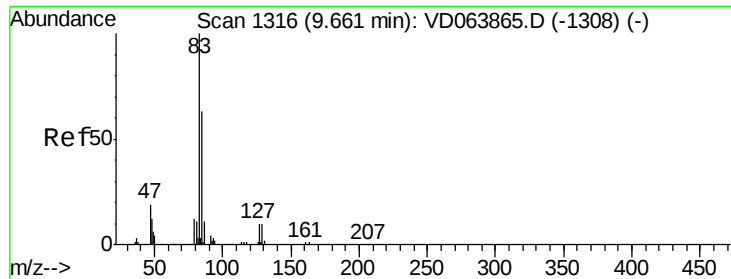
10000

0

Time-->

9.40 9.45 9.50 9.55





#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 :

VSTDCCC050EC

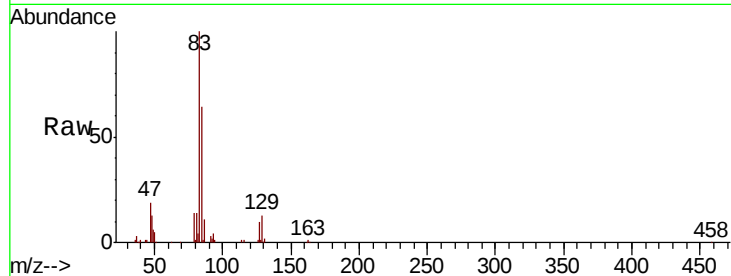
Tot Ion: 83 Resp: 128938

Ion Ratio Lower Upper

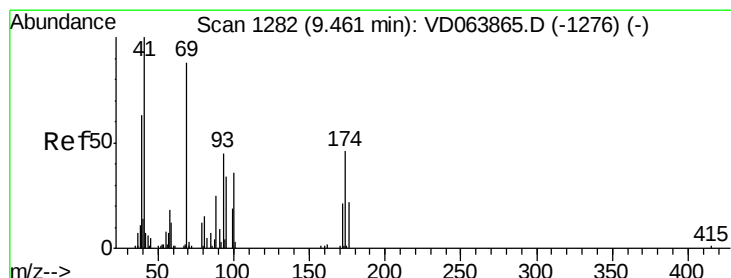
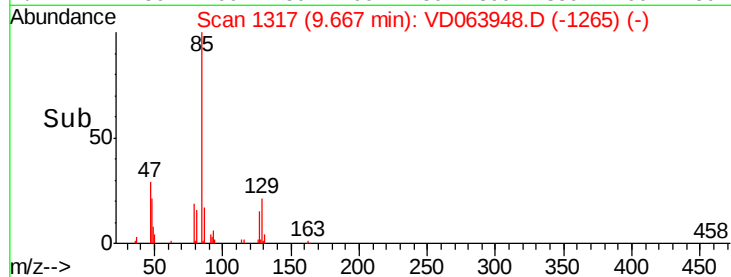
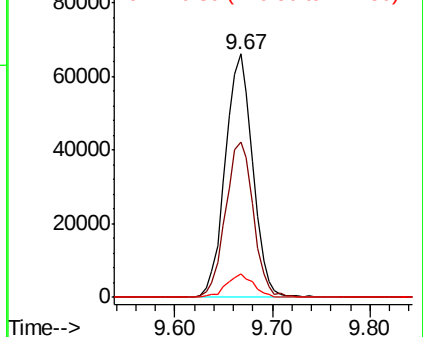
83 100

85 63.8 50.2 75.2

127 9.5 7.6 11.4



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



#48

Methyl methacrylate

Concen: 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

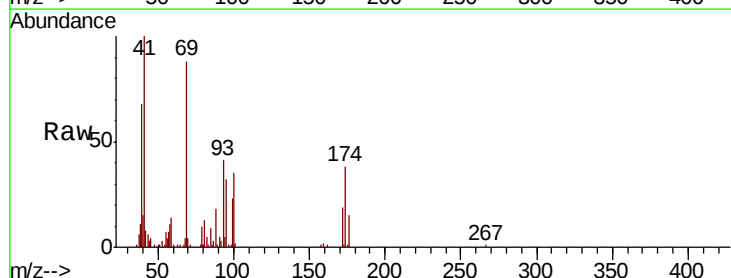
Tgt Ion: 41 Resp: 48582

Ion Ratio Lower Upper

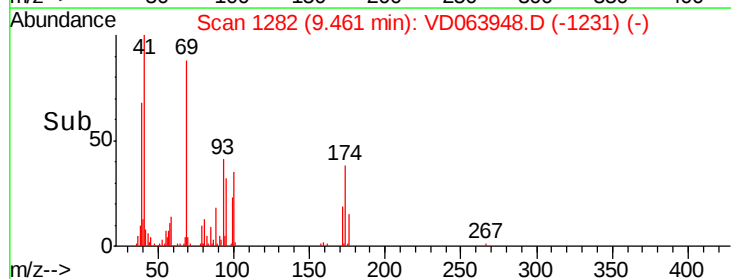
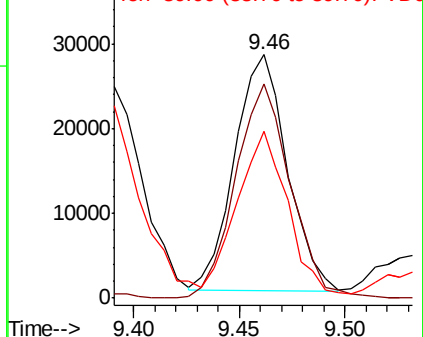
41 100

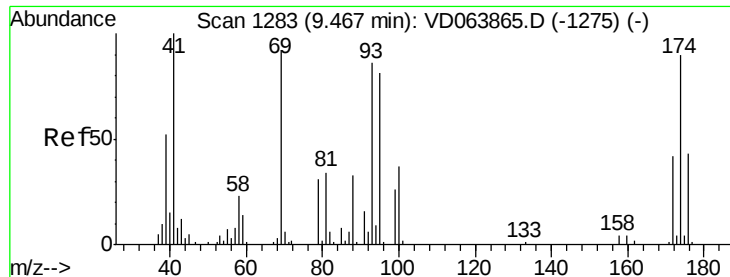
69 93.9 75.1 112.7

39 67.9 50.2 75.2



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

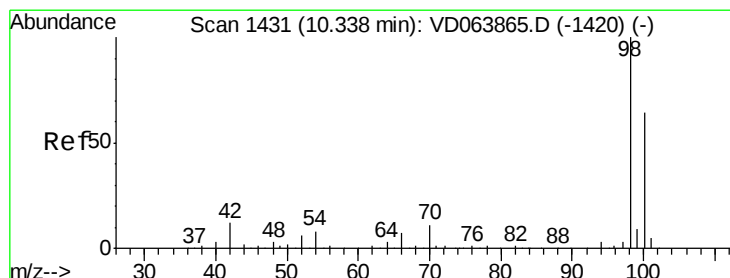
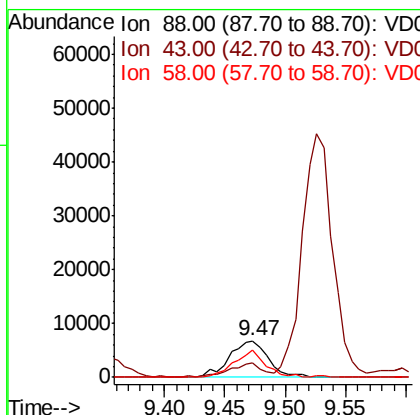
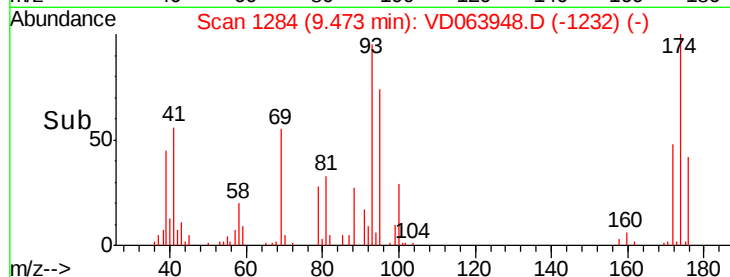
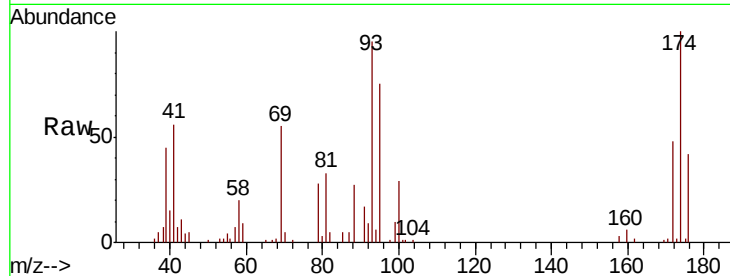




#49
1,4-Dioxane
Concen: 1146.411 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

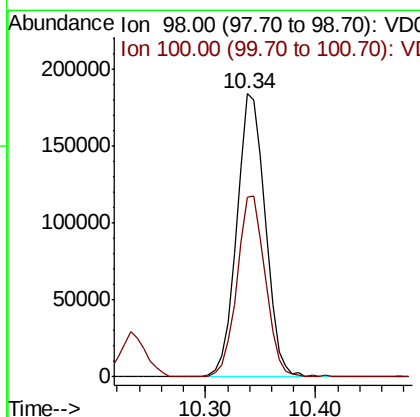
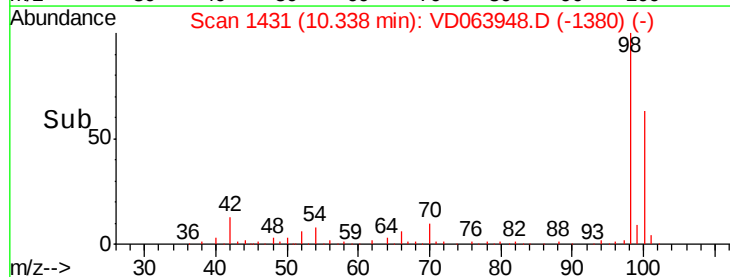
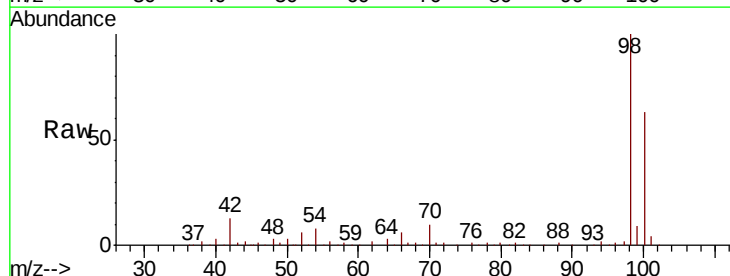
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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



#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





#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 :

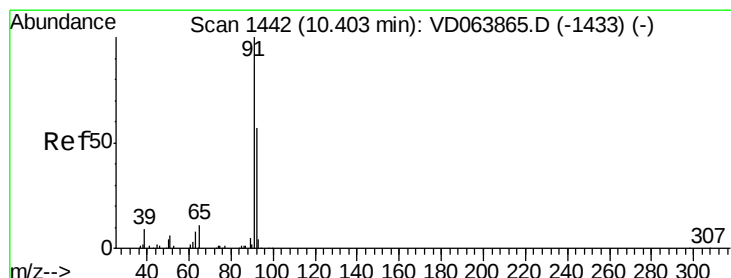
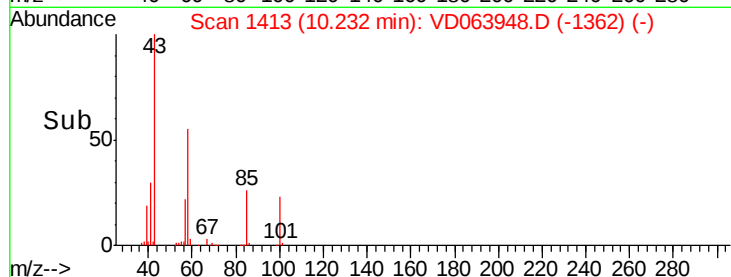
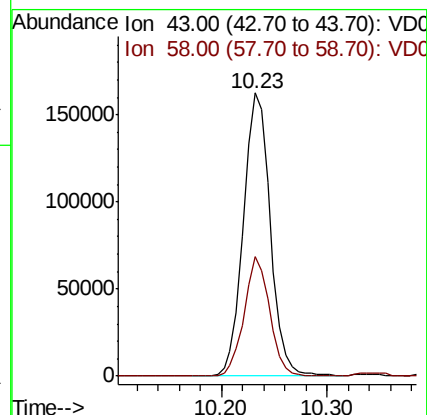
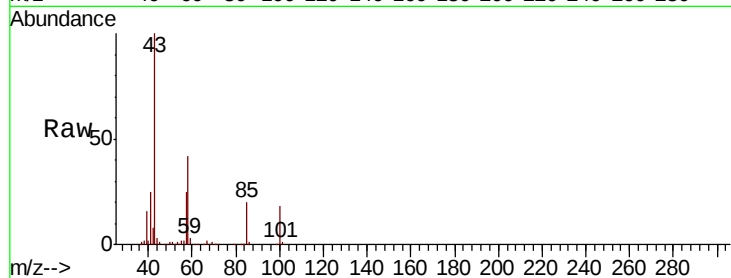
VSTDCCC050EC

Tot Ion: 43 Resp: 286596

Ion Ratio Lower Upper

43 100

58 40.1 33.0 49.4



#52

Toluene

Concen: 52.758 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063948.D

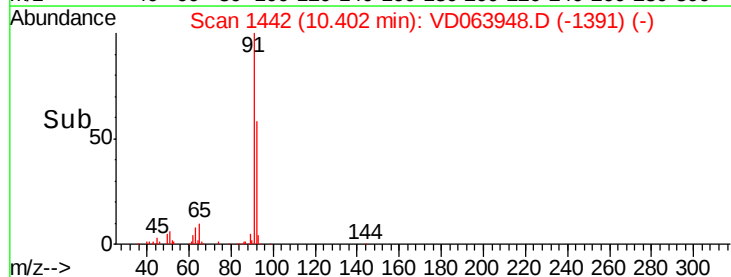
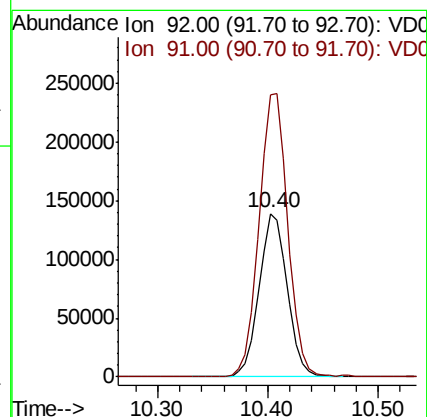
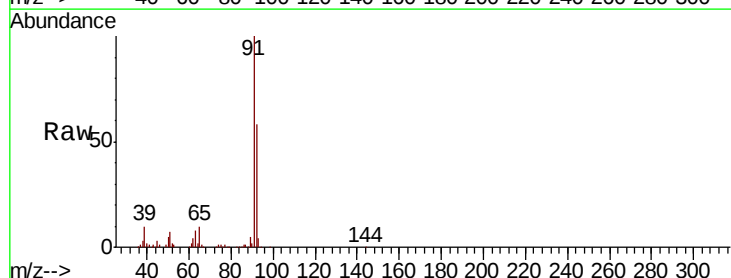
Acq: 11 Oct 2019 20:26

Tgt Ion: 92 Resp: 249530

Ion Ratio Lower Upper

92 100

91 176.6 139.5 209.3





#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 :

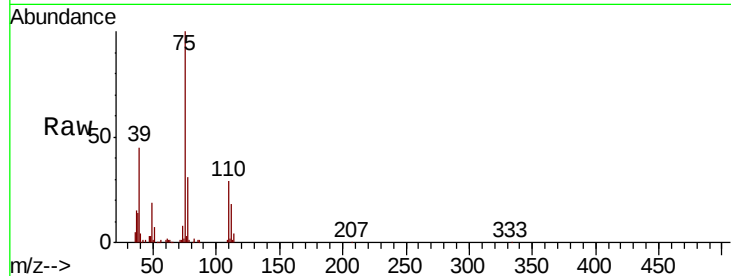
VSTDCCC050EC

Tot Ion: 75 Resp: 126905

Ion Ratio Lower Upper

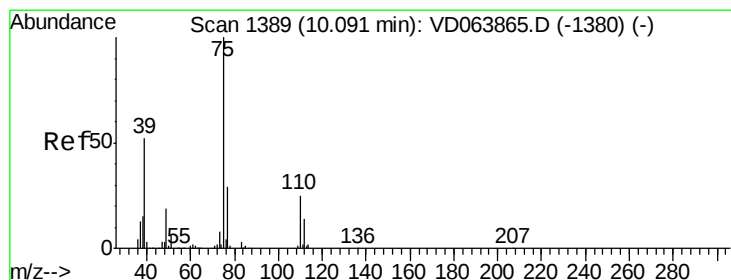
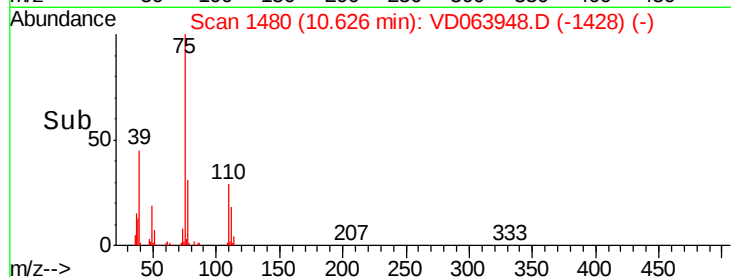
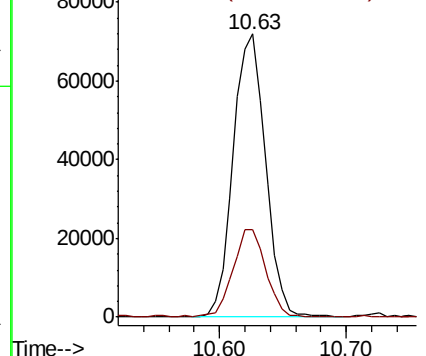
75 100

77 31.1 22.8 34.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#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

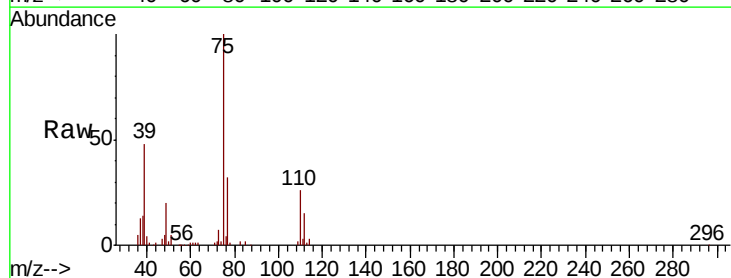
Tgt Ion: 75 Resp: 144427

Ion Ratio Lower Upper

75 100

77 32.2 23.2 34.8

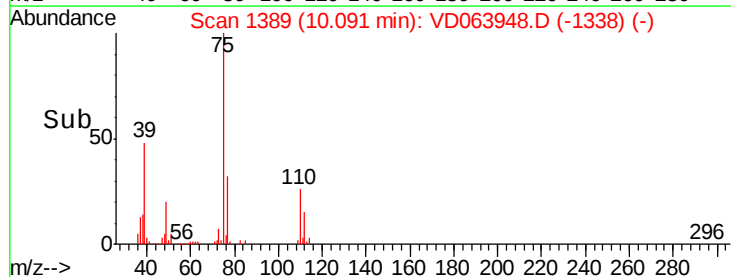
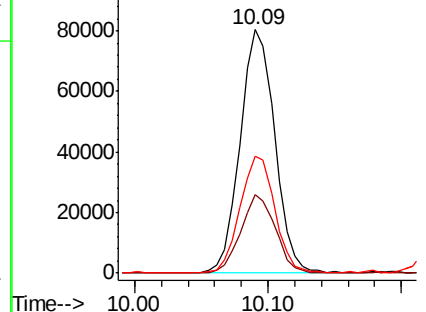
39 47.8 41.5 62.3

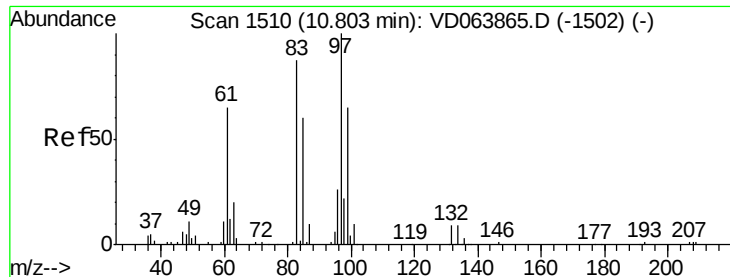


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



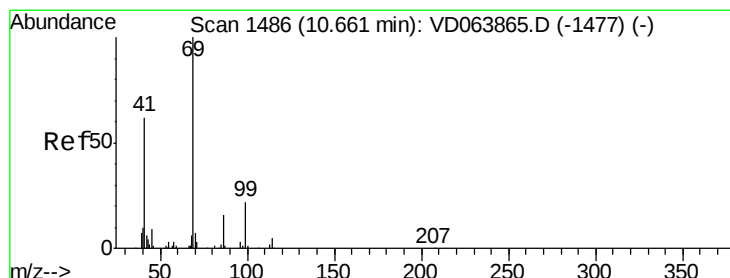
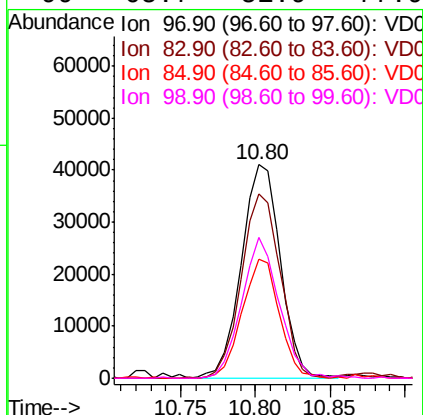
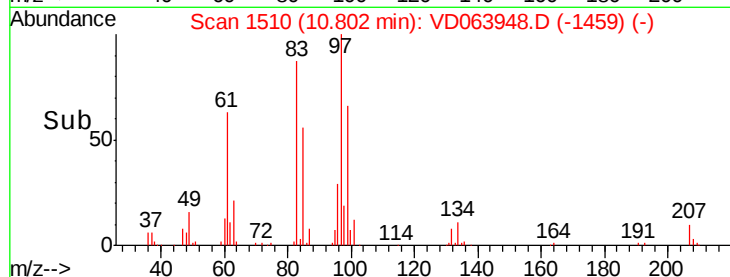
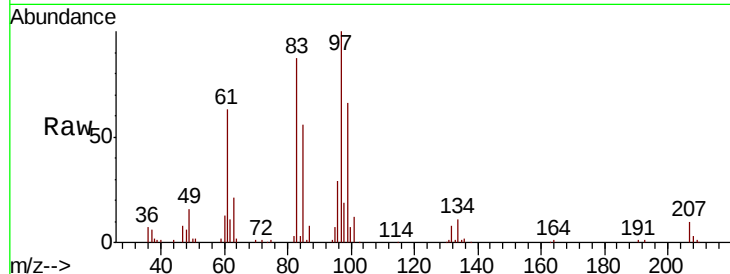


#55
 1,1,2-Trichloroethane
 Concen: 55.051 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 74653

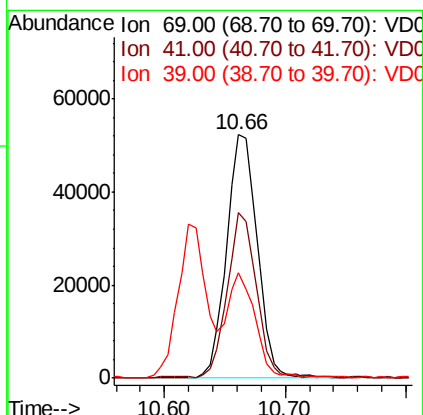
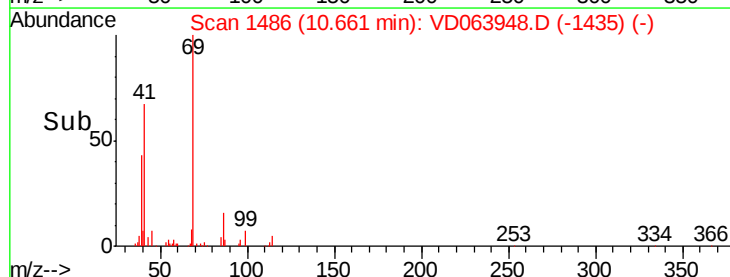
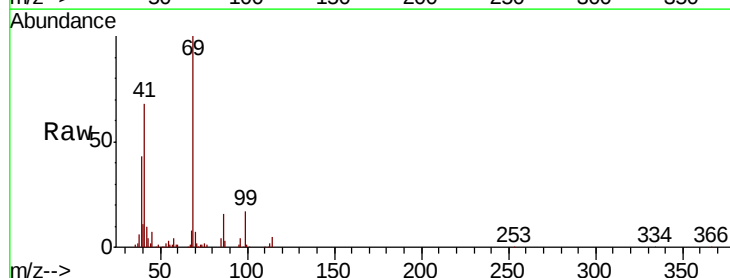
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.7	104.5
85	55.8	48.1	72.1
99	65.7	51.9	77.9

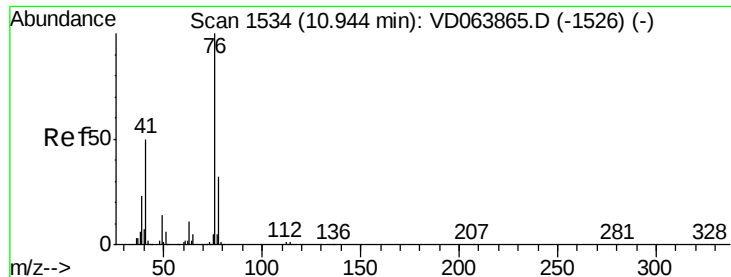


#56
 Ethyl methacrylate
 Concen: 53.920 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

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





#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

ClientSampleId :

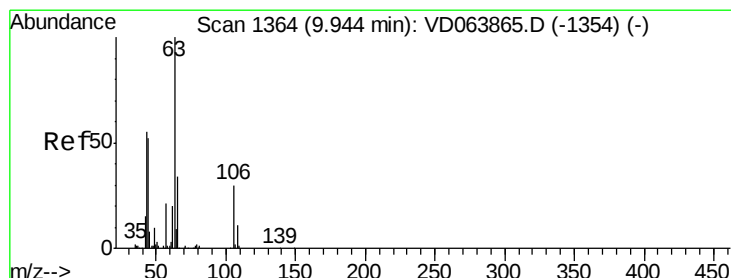
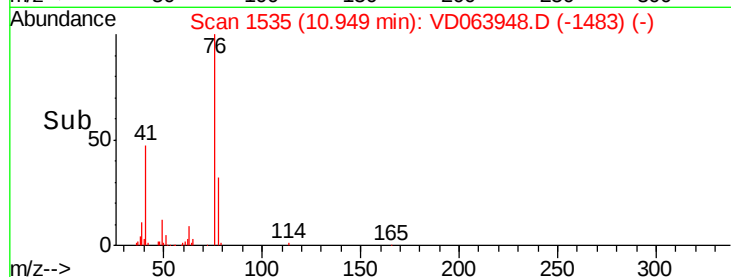
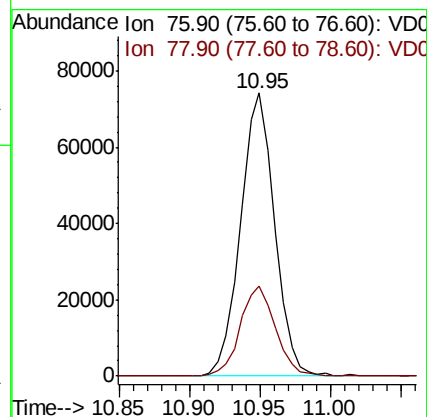
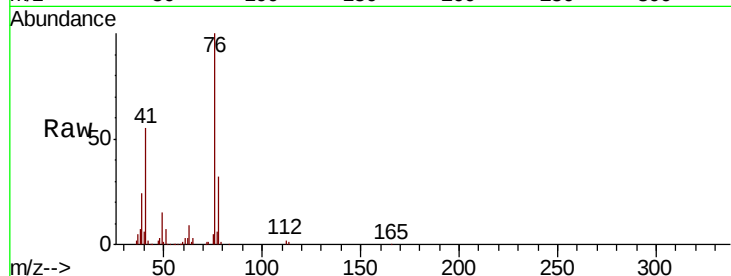
VSTDCCC050EC

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

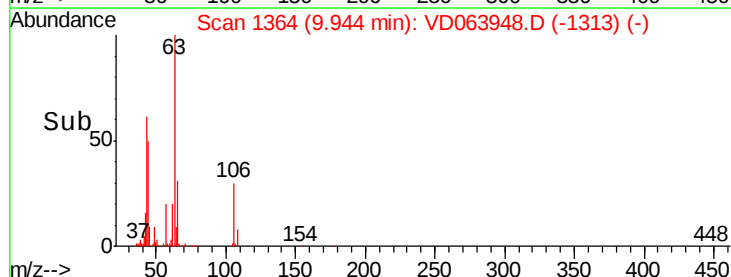
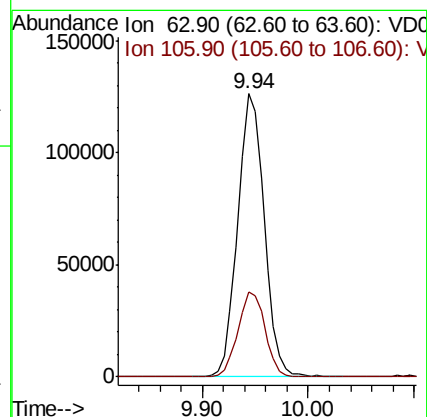
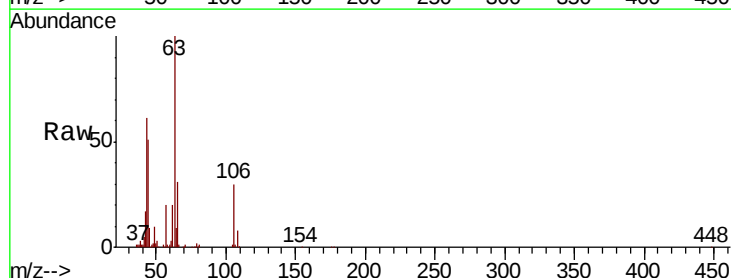
Acq: 11 Oct 2019 20:26

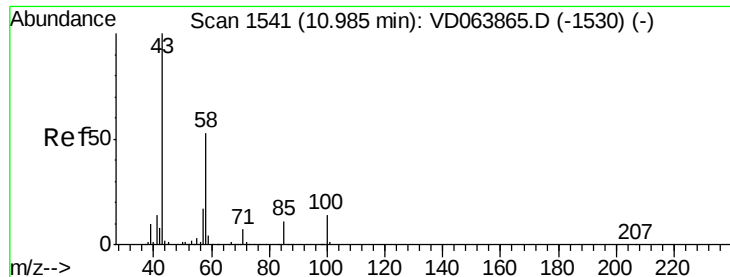
Tgt Ion: 63 Resp: 219251

Ion Ratio Lower Upper

63 100

106 30.6 24.3 36.5

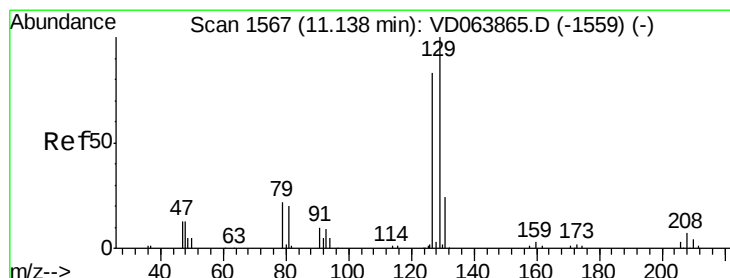
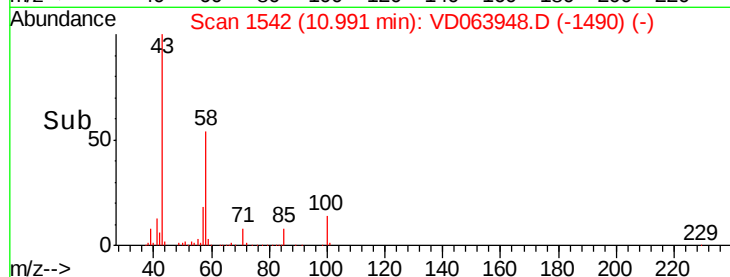
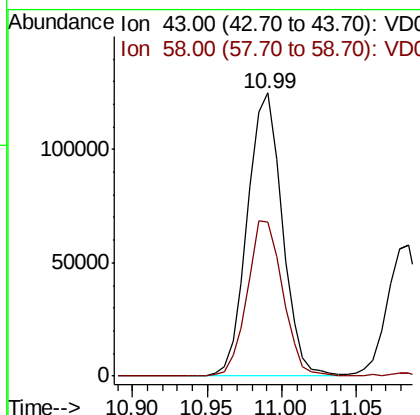
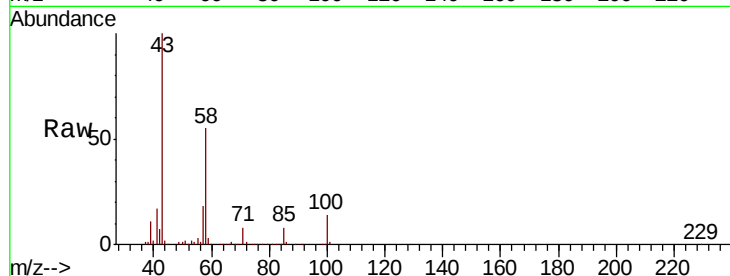




#59
2-Hexanone
Concen: 267.535 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

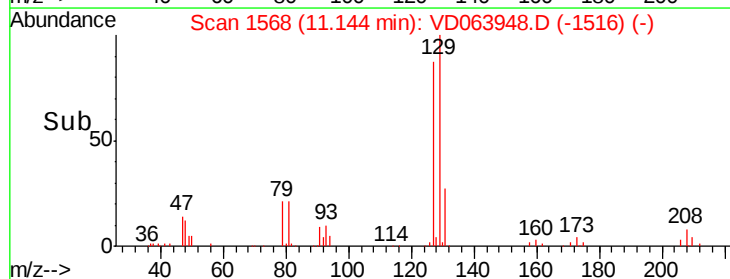
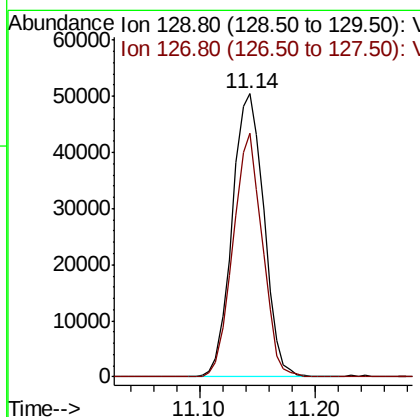
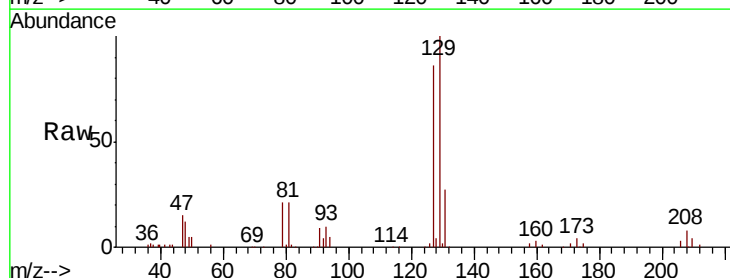
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

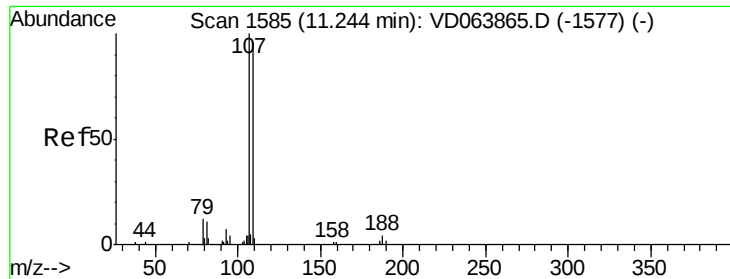
Tot Ion: 43 Resp: 202368
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.0



#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

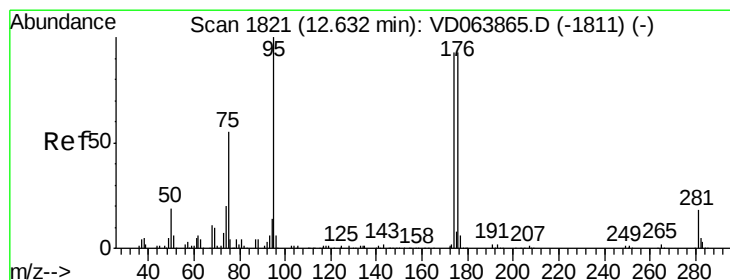
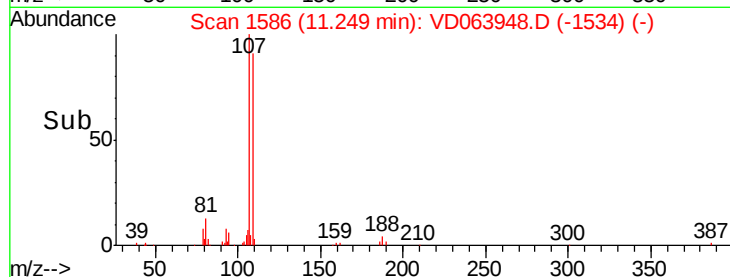
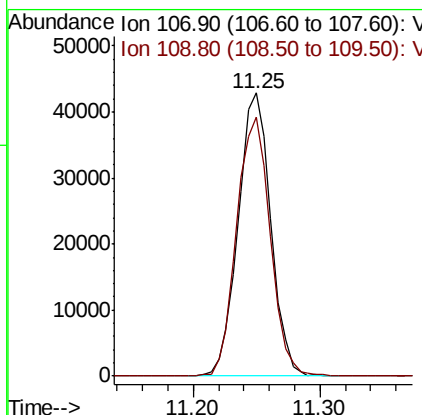
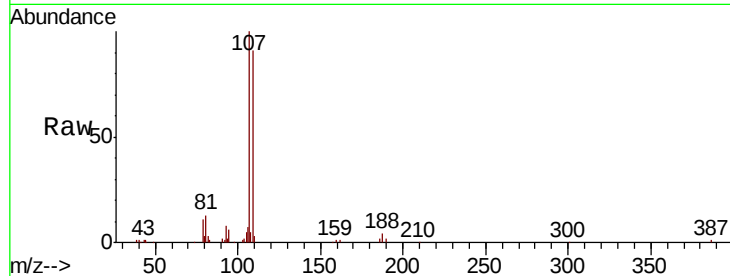




#61
 1,2-Dibromoethane
 Concen: 58.195 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

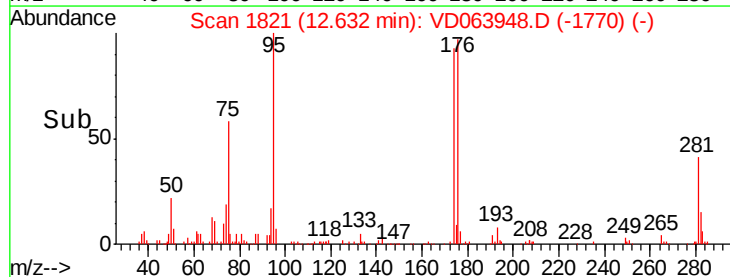
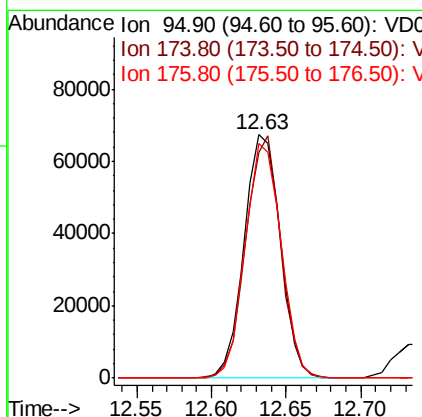
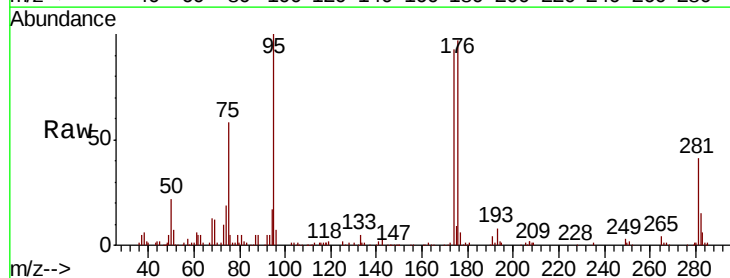
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

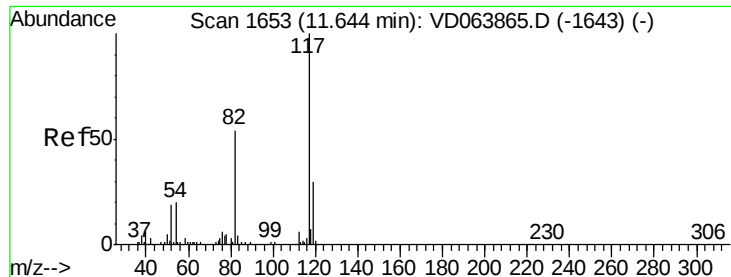
Tot Ion:107 Resp: 76506
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8



#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

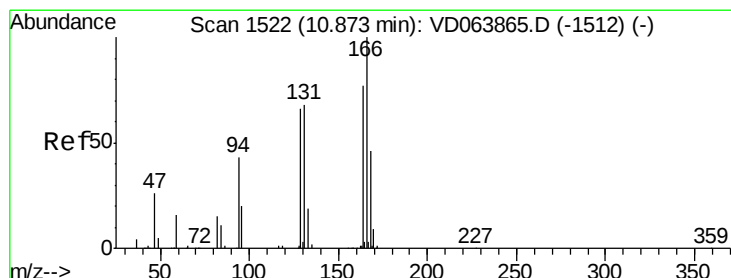
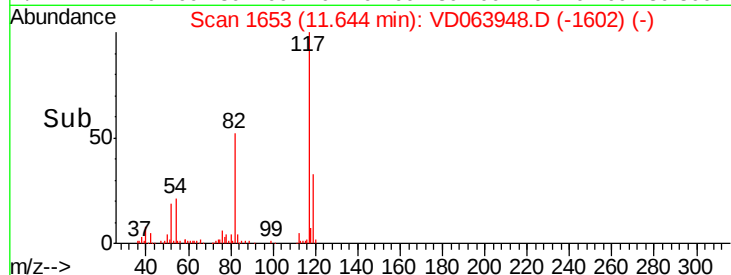
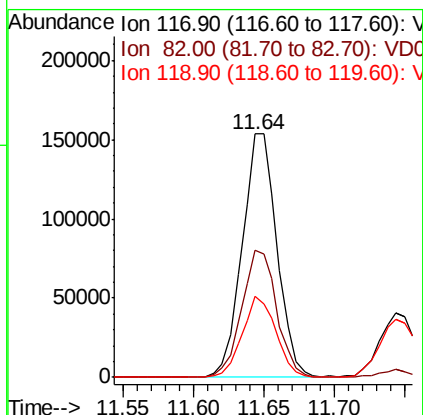
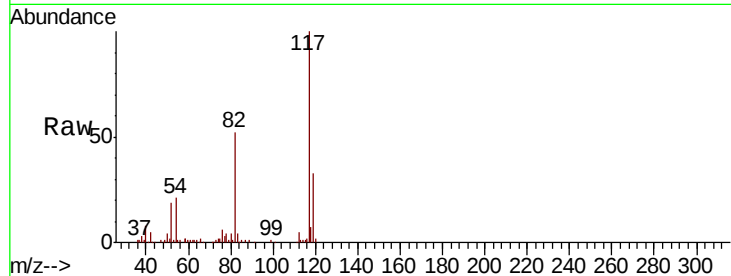




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

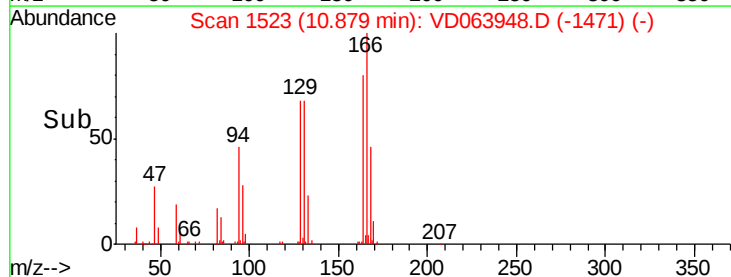
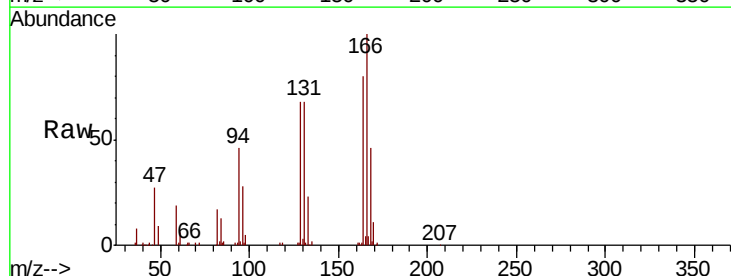
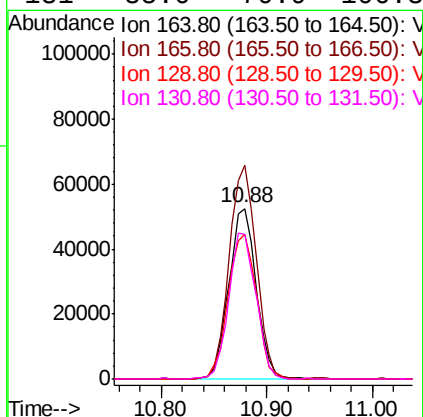
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

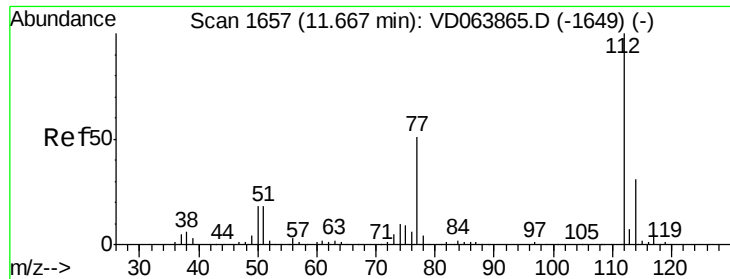
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.8	64.2
119	33.5	24.4	36.6



#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 :

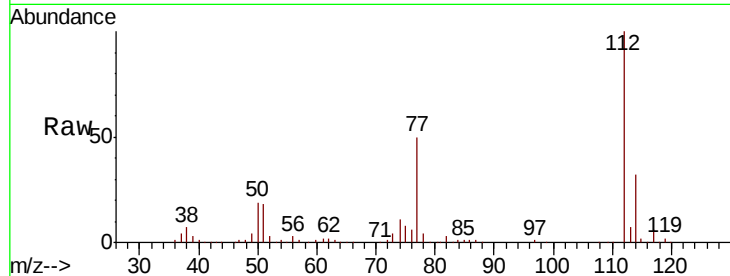
VSTDCCC050EC

Tot Ion:112 Resp: 285610

Ion Ratio Lower Upper

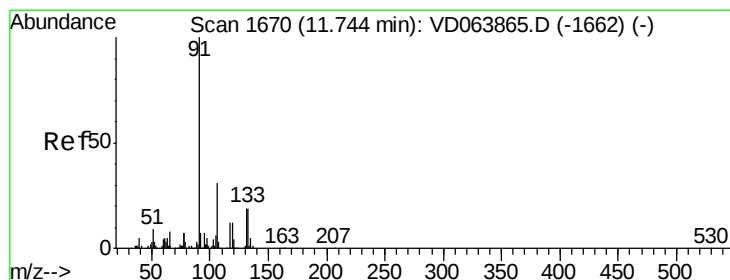
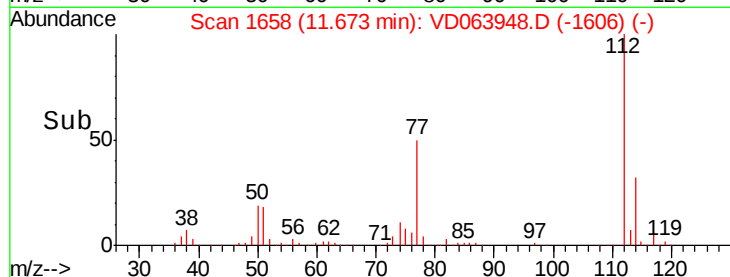
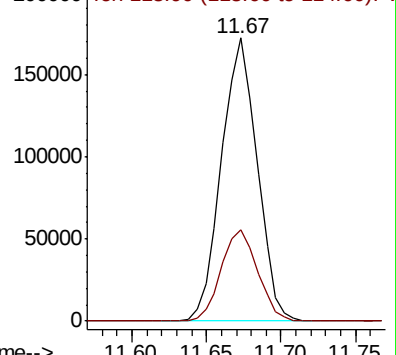
112 100

114 32.3 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 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

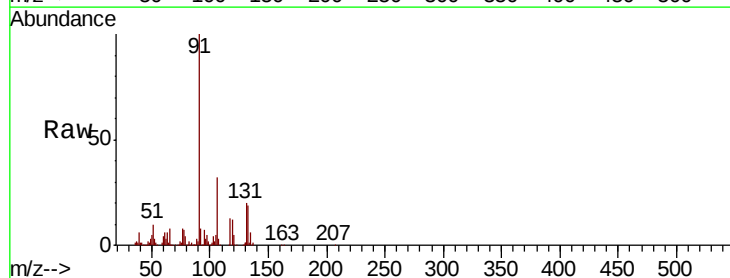
Tgt Ion:131 Resp: 101631

Ion Ratio Lower Upper

131 100

133 99.9 48.9 146.7

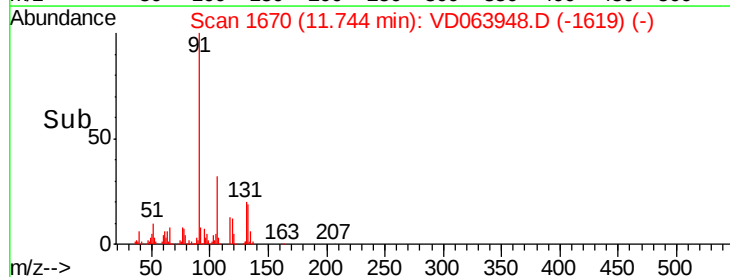
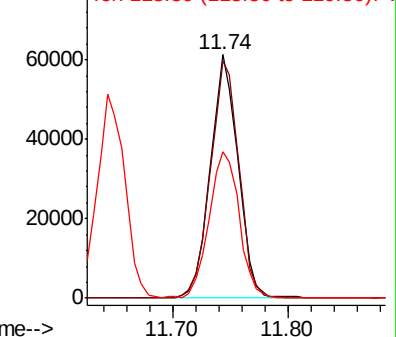
119 65.6 32.6 97.8

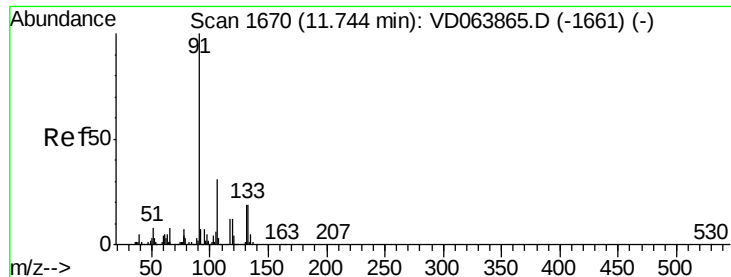


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 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 :

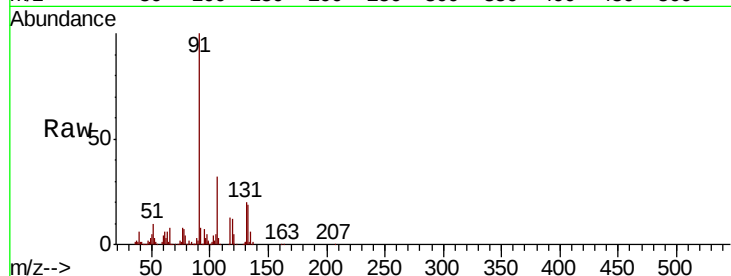
VSTDCCC050EC

Tot Ion: 91 Resp: 502061

Ion Ratio Lower Upper

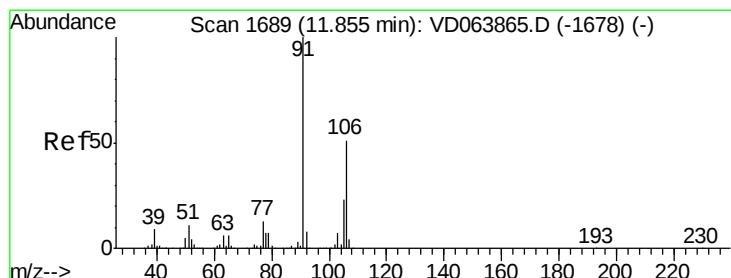
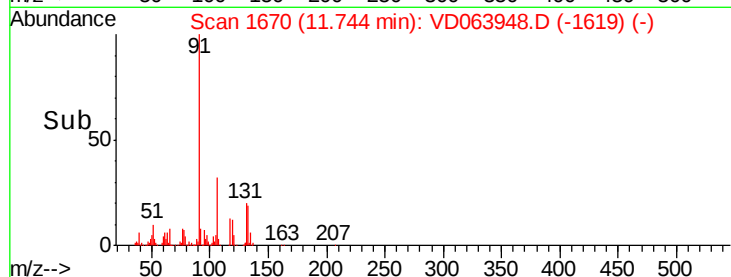
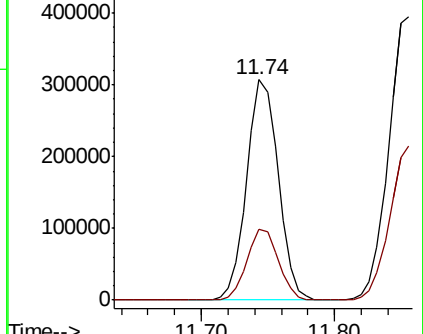
91 100

106 32.1 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#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

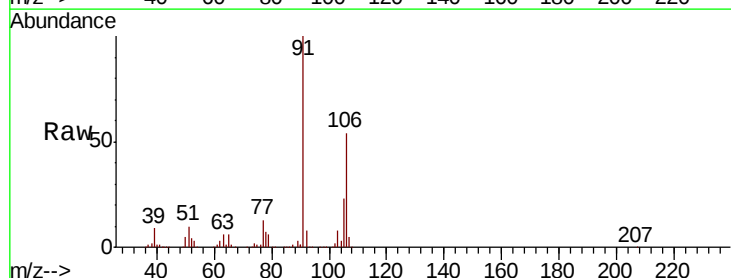
Acq: 11 Oct 2019 20:26

Tgt Ion: 106 Resp: 398717

Ion Ratio Lower Upper

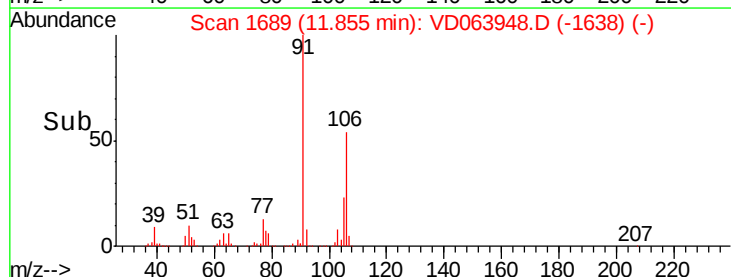
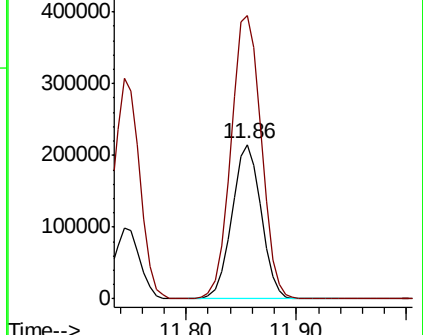
106 100

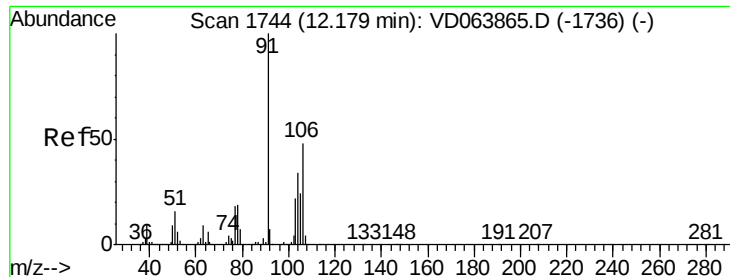
91 191.1 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

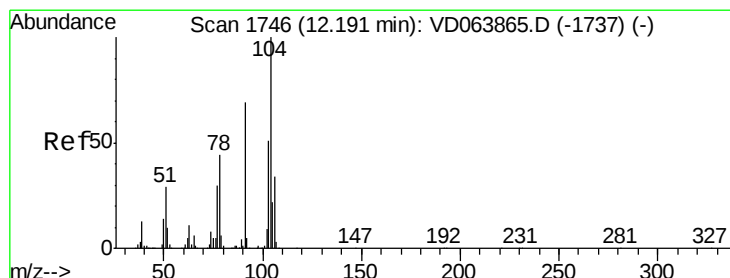
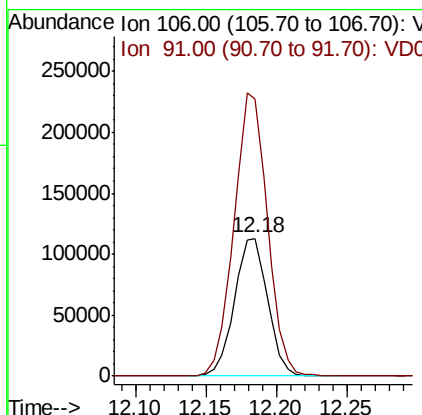
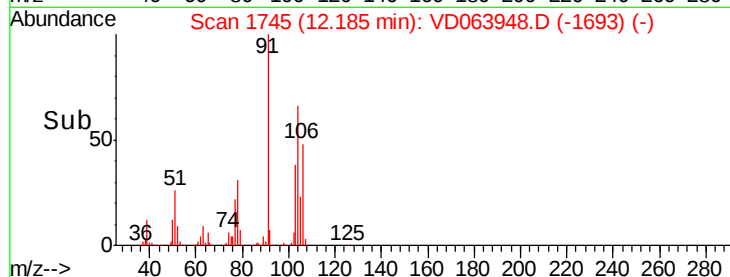
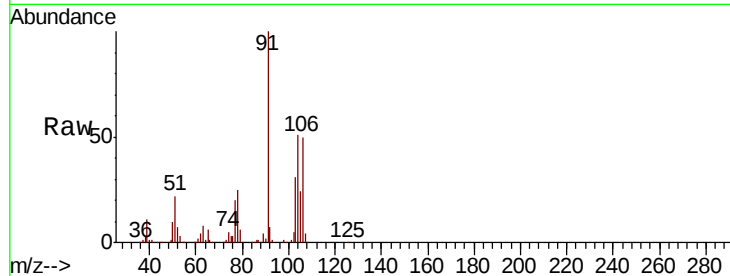




#69
o-Xylene
Concen: 52.267 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

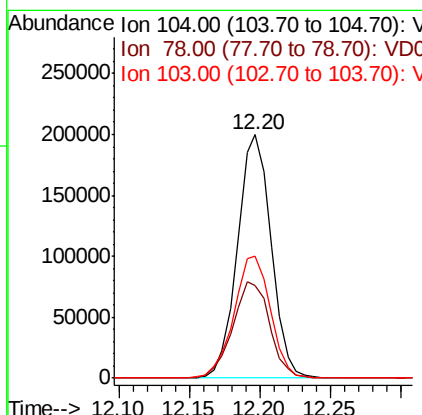
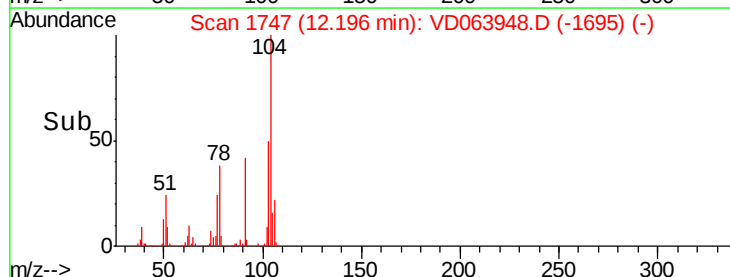
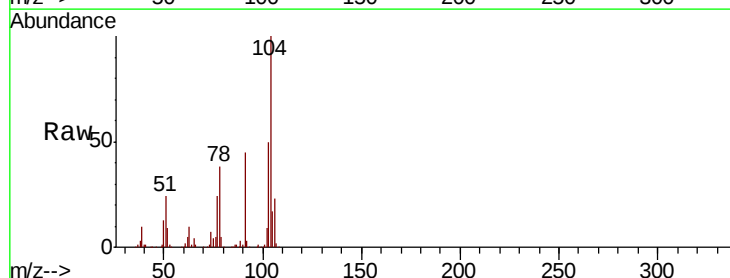
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

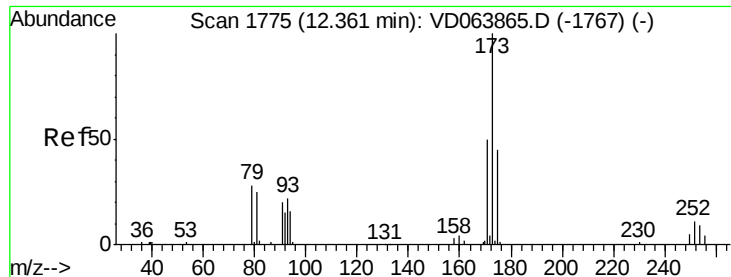
Tot Ion:106 Resp: 185565
Ion Ratio Lower Upper
106 100
91 206.7 103.9 311.7



#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

ClientSampleId :

VSTDCCC050EC

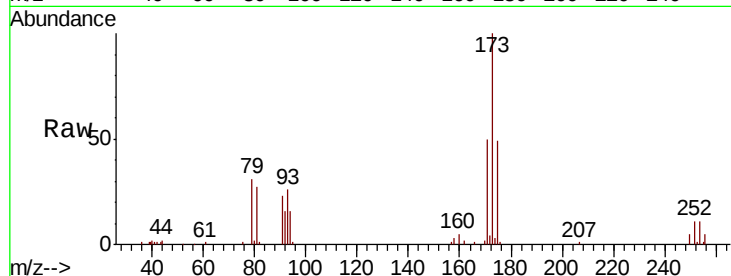
Tot Ion:173 Resp: 61171

Ion Ratio Lower Upper

173 100

175 49.8 24.6 74.0

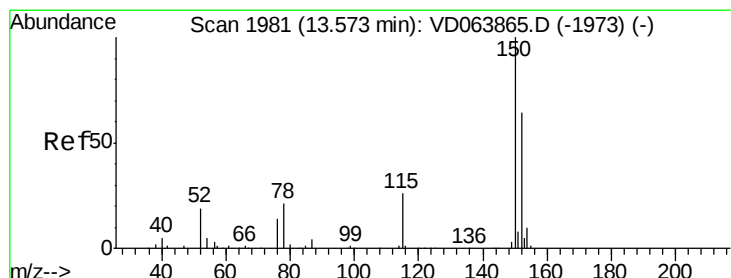
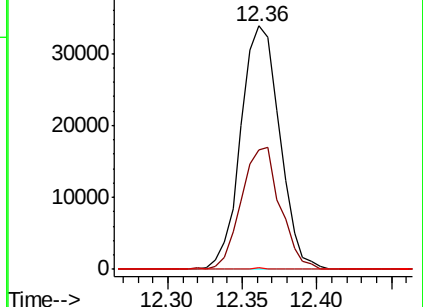
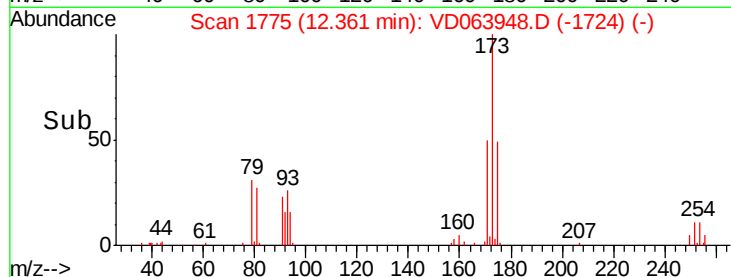
254 0.1 0.0 0.0#



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

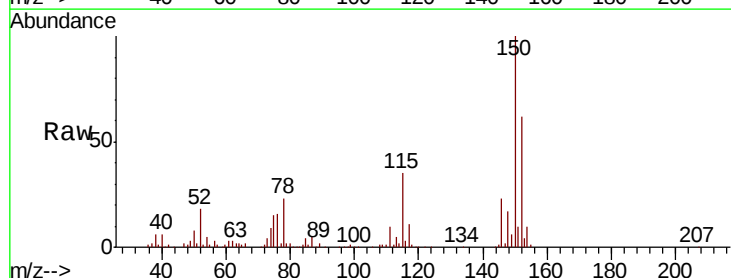
Tgt Ion:152 Resp: 147835

Ion Ratio Lower Upper

152 100

115 54.5 25.9 77.7

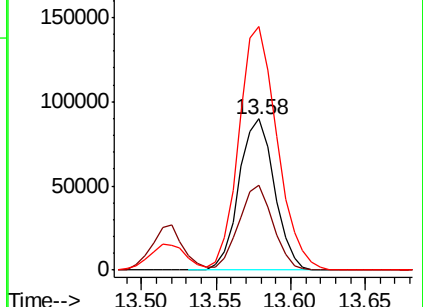
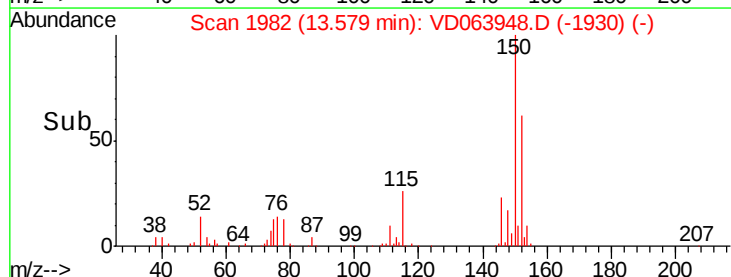
150 173.7 0.0 344.2

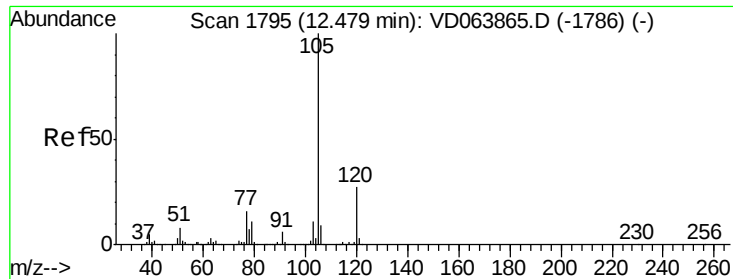


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

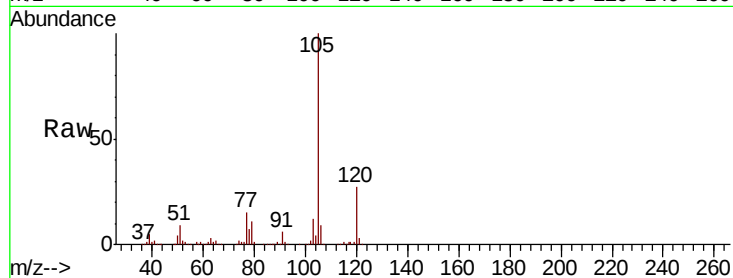
VSTDCCC050EC

Tot Ion:105 Resp: 493024

Ion Ratio Lower Upper

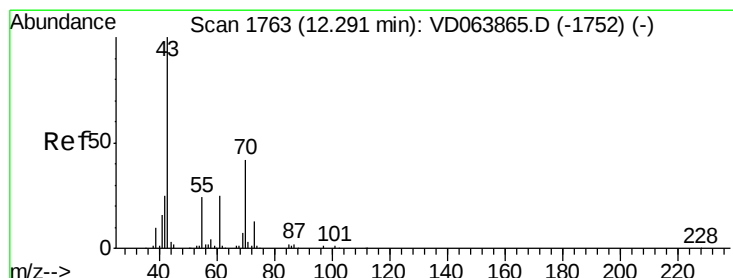
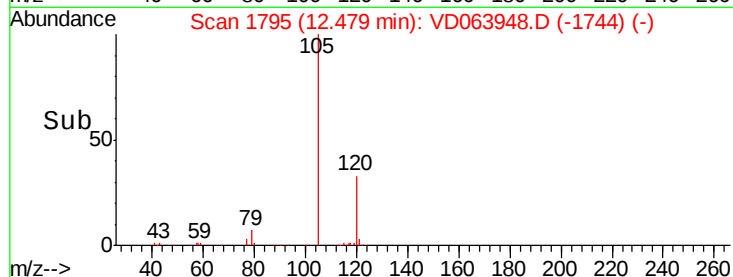
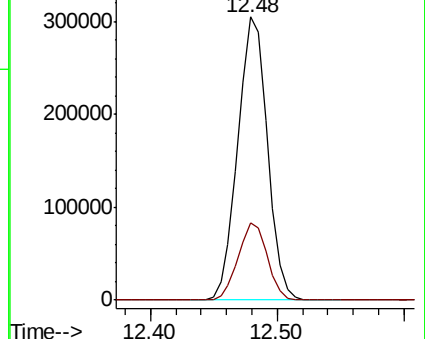
105 100

120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#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

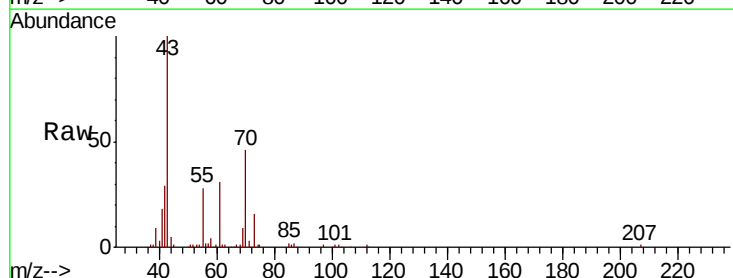
Ion Ratio Lower Upper

43 100

70 44.4 35.8 53.6

55 26.5 19.4 29.0

61 26.6 20.4 30.6

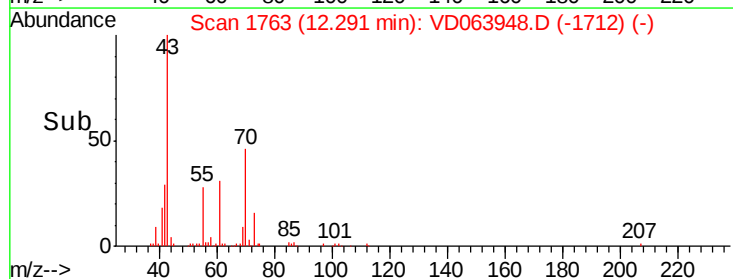
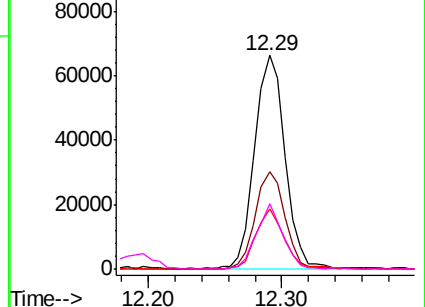


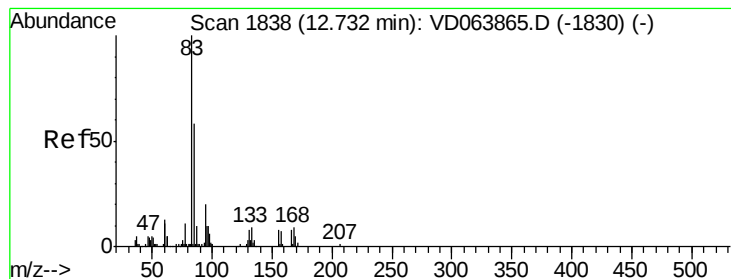
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 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 :

VSTDCCC050EC

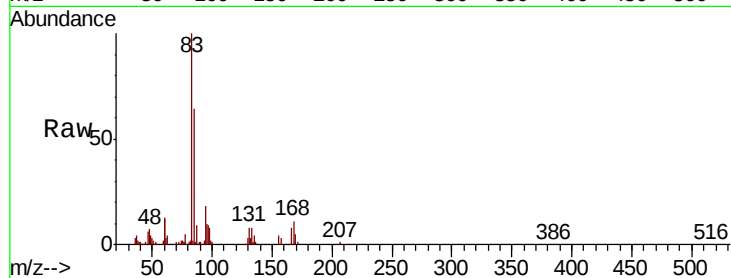
Tot Ion: 83 Resp: 89660

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

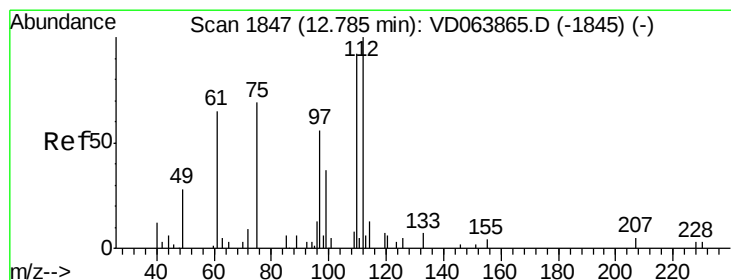
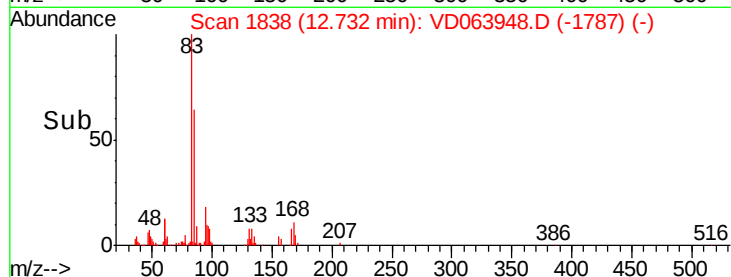
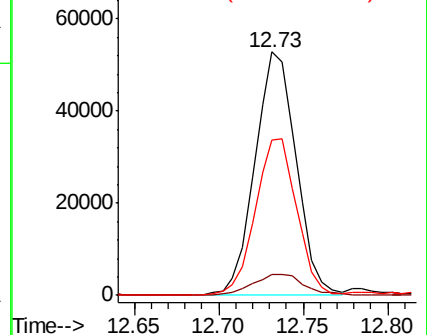
85 64.7 32.3 96.8



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

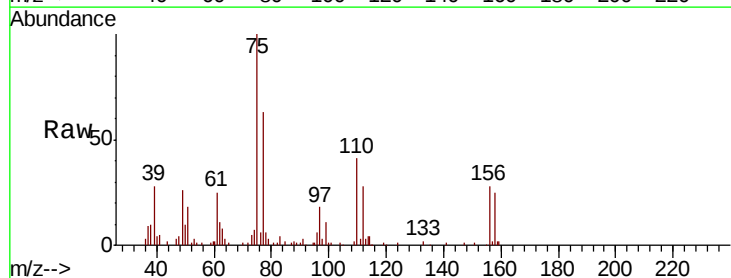
Acq: 11 Oct 2019 20:26

Tgt Ion: 75 Resp: 112534

Ion Ratio Lower Upper

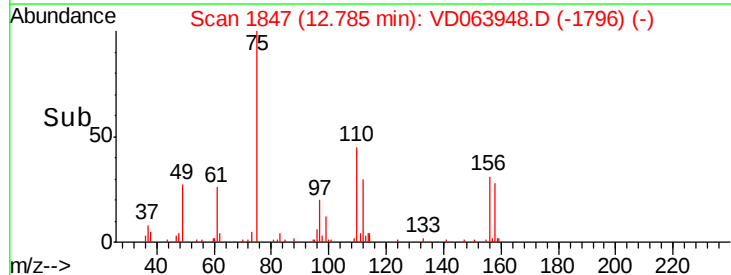
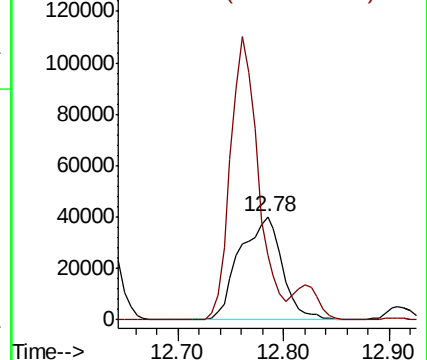
75 100

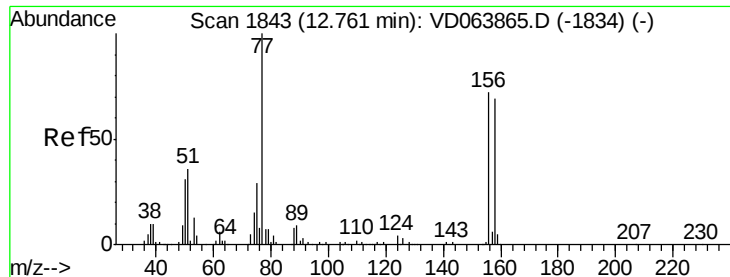
77 0.0 0.0 0.0



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

ClientSampleId :

VSTDCCC050EC

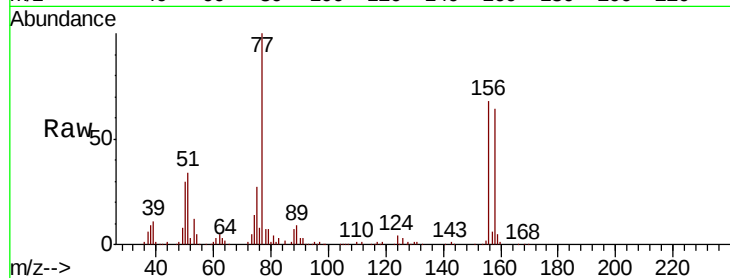
Tot Ion:156 Resp: 129582

Ion Ratio Lower Upper

156 100

77 155.8 80.3 241.0

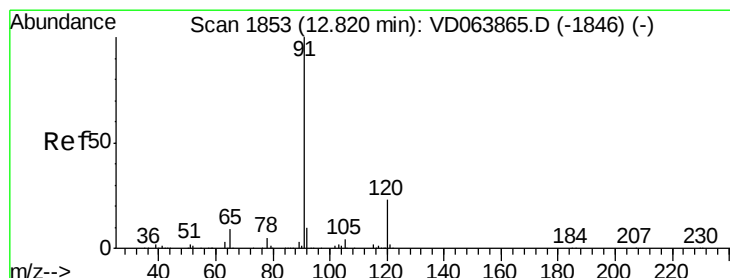
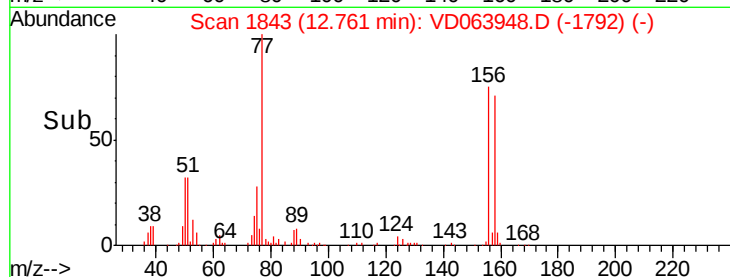
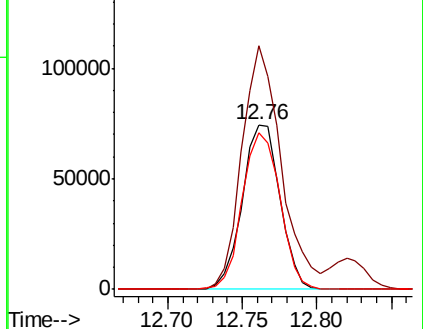
158 95.5 47.4 142.2



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

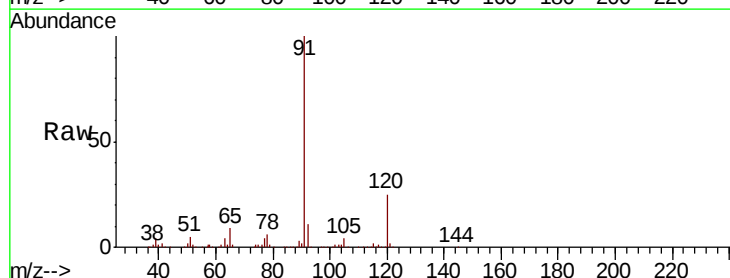
Acq: 11 Oct 2019 20:26

Tgt Ion: 91 Resp: 592365

Ion Ratio Lower Upper

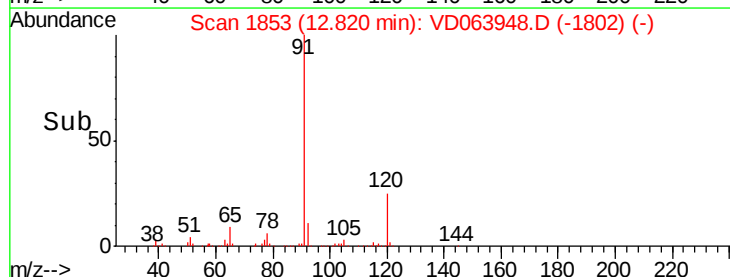
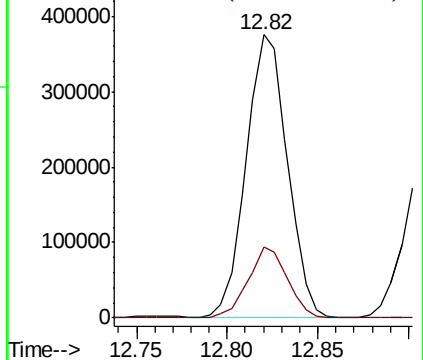
91 100

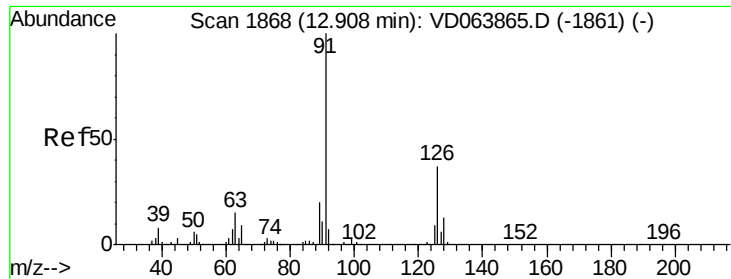
120 23.7 12.0 36.0



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 :

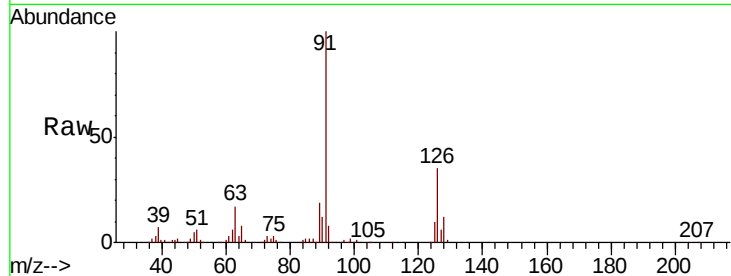
VSTDCCC050EC

Tot Ion: 91 Resp: 325730

Ion Ratio Lower Upper

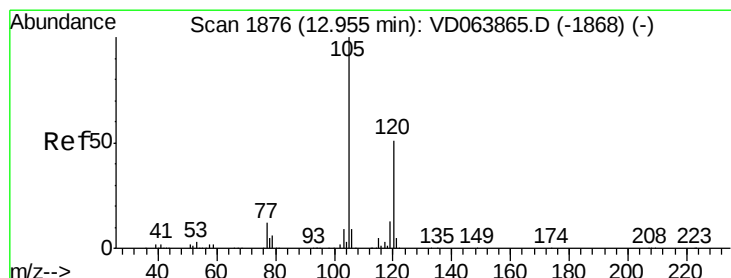
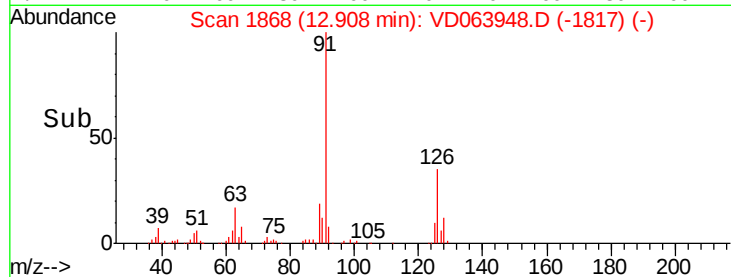
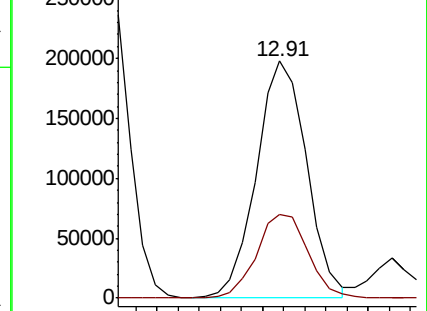
91 100

126 36.5 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#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

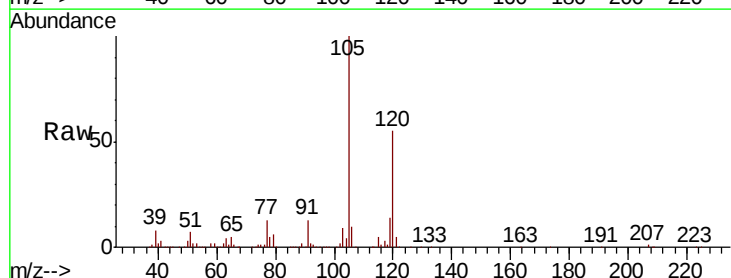
Acq: 11 Oct 2019 20:26

Tgt Ion: 105 Resp: 416025

Ion Ratio Lower Upper

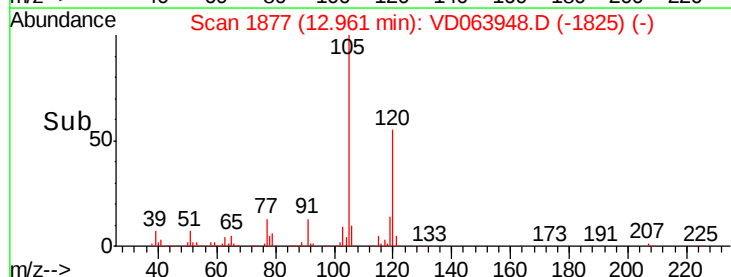
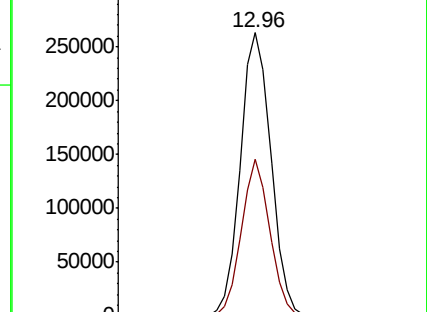
105 100

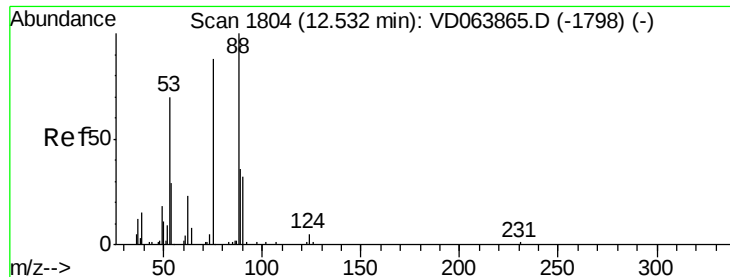
120 51.7 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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 :

VSTDCCC050EC

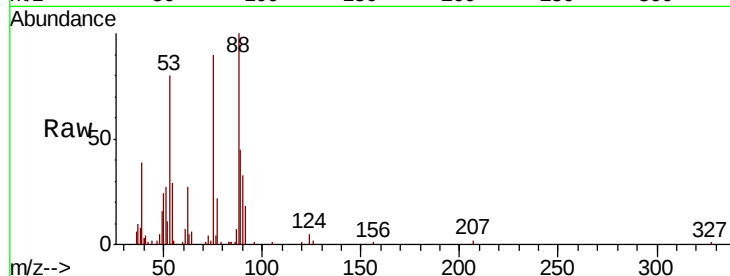
Tot Ion: 75 Resp: 27122

Ion Ratio Lower Upper

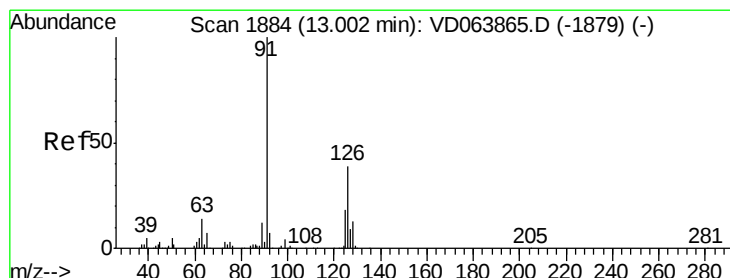
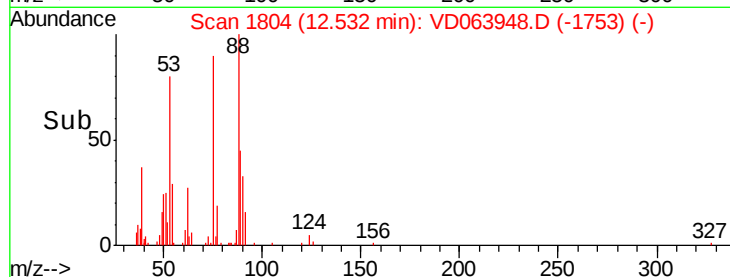
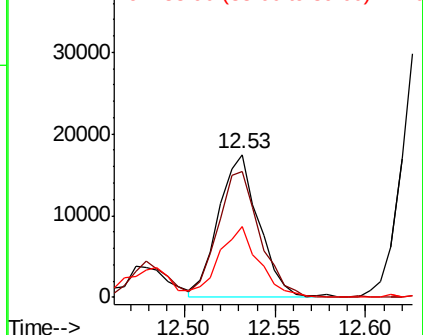
75 100

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

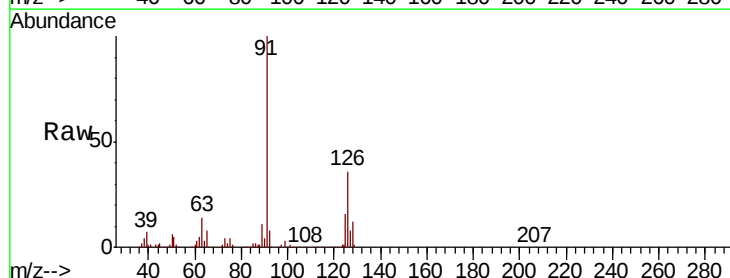
Acq: 11 Oct 2019 20:26

Tgt Ion: 91 Resp: 337343

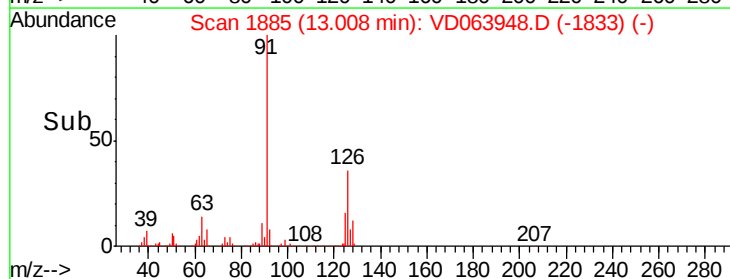
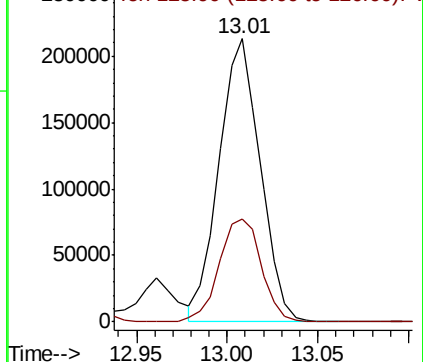
Ion Ratio Lower Upper

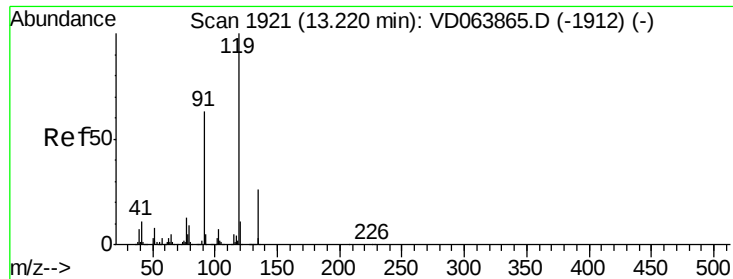
91 100

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

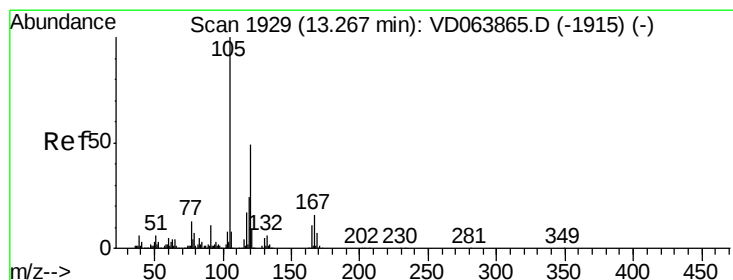
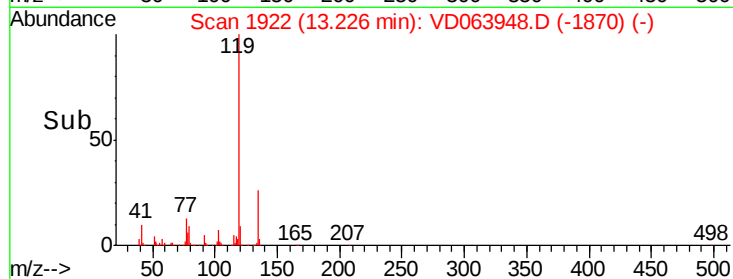
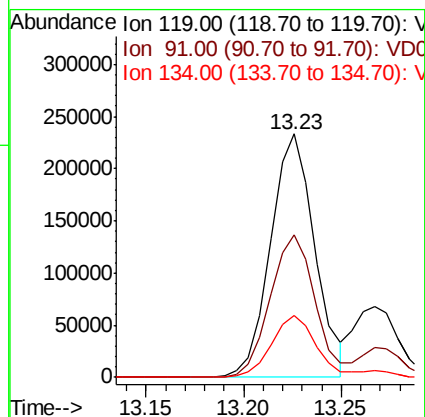
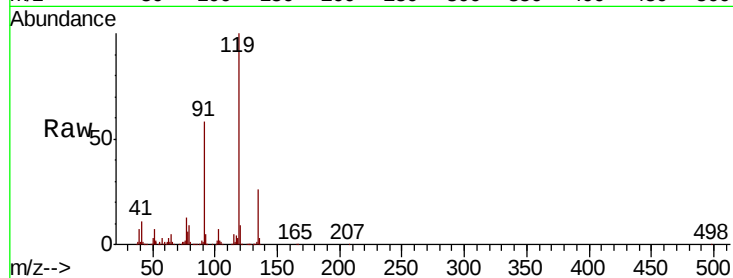




#83
tert-Butylbenzene
Concen: 49.635 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

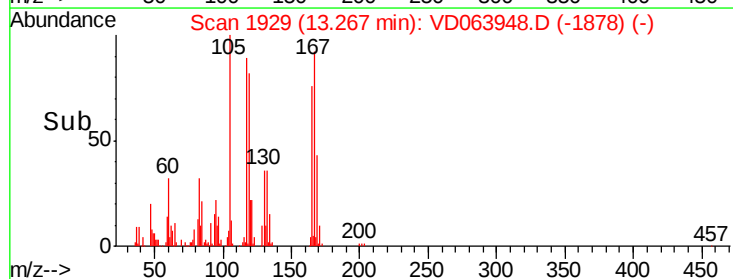
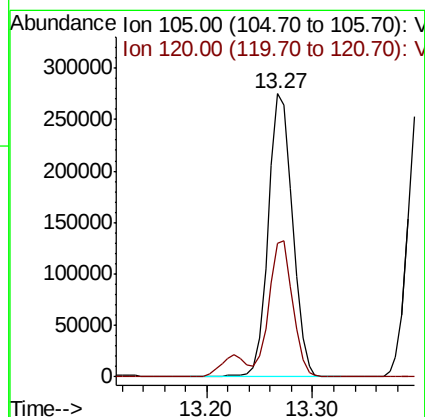
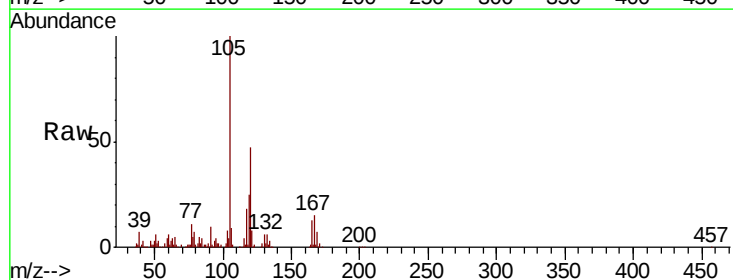
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

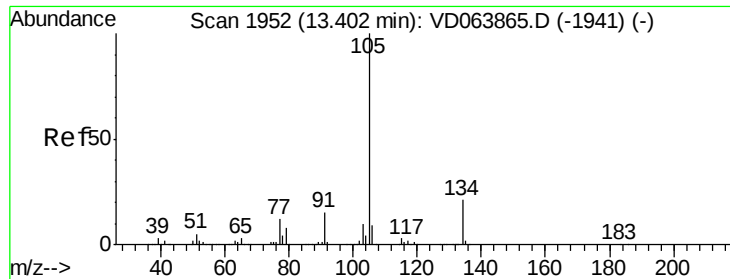
Tot Ion:119 Resp: 366259
Ion Ratio Lower Upper
119 100
91 60.1 30.0 90.0
134 25.6 13.0 38.9



#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 :

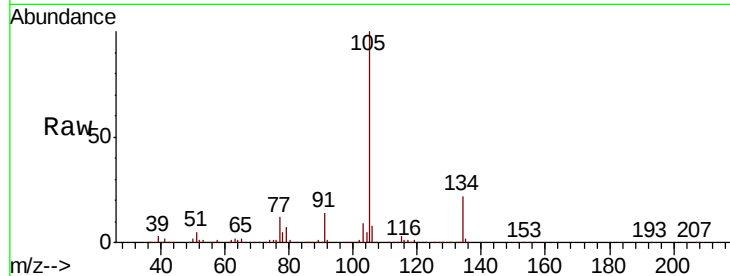
VSTDCCC050EC

Tot Ion:105 Resp: 501909

Ion Ratio Lower Upper

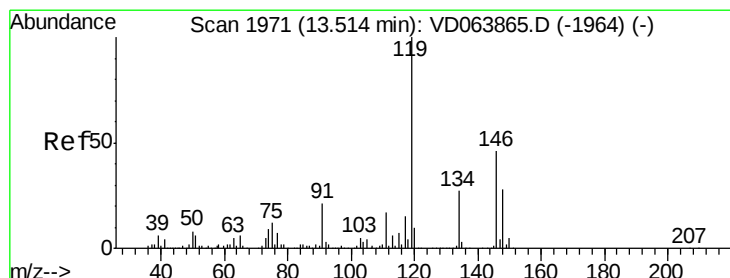
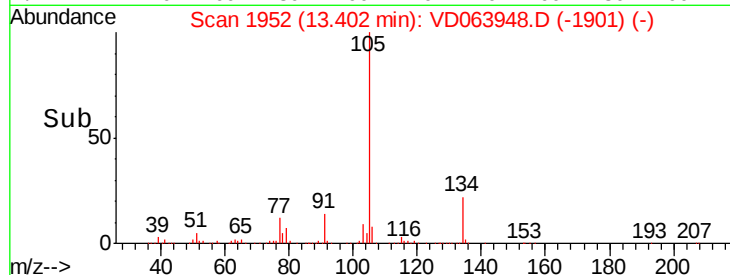
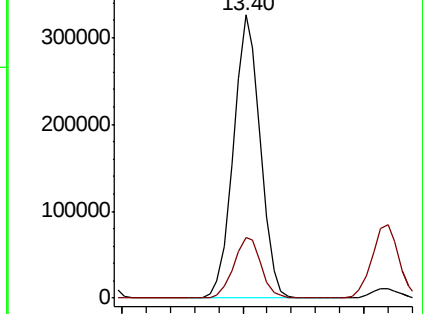
105 100

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

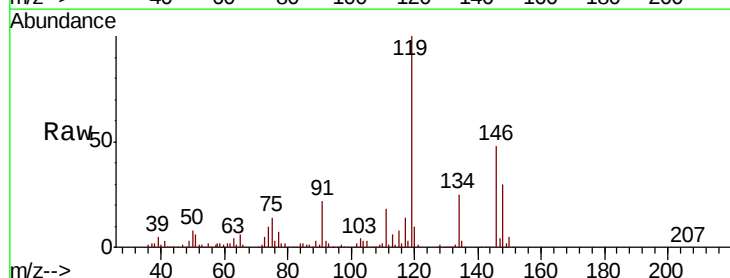
Tgt Ion:119 Resp: 489413

Ion Ratio Lower Upper

119 100

134 26.7 13.9 41.6

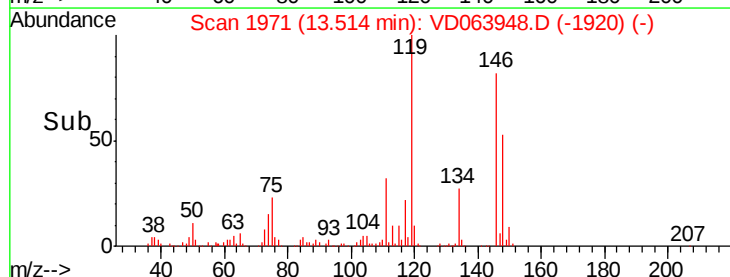
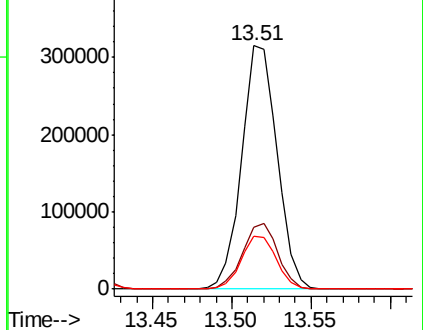
91 21.6 11.2 33.5

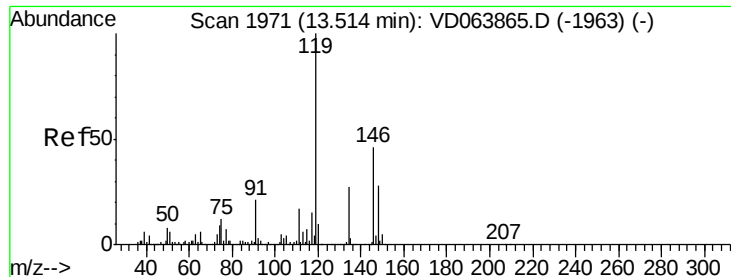


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

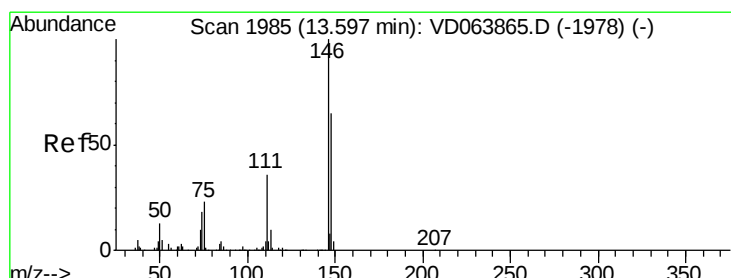
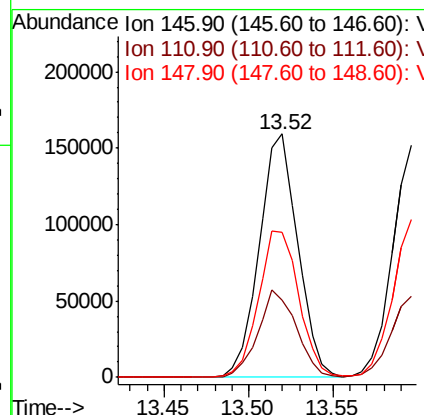
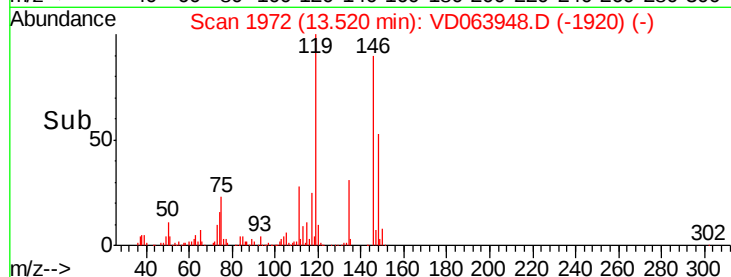
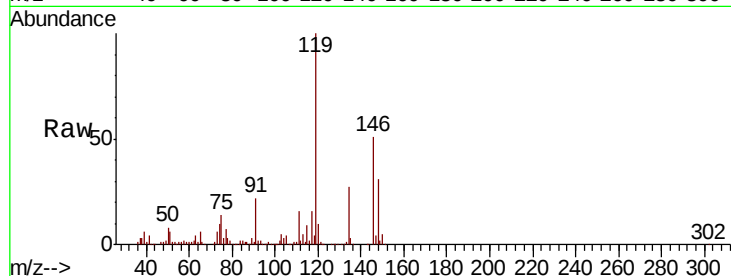




#87
 1,3-Dichlorobenzene
 Concen: 51.346 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

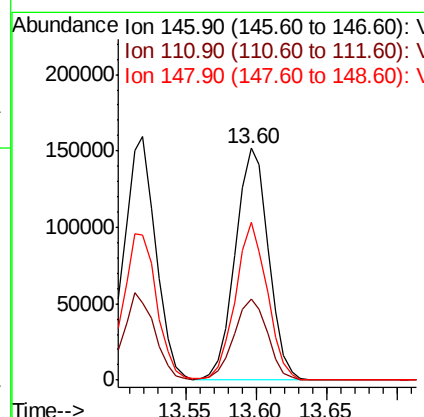
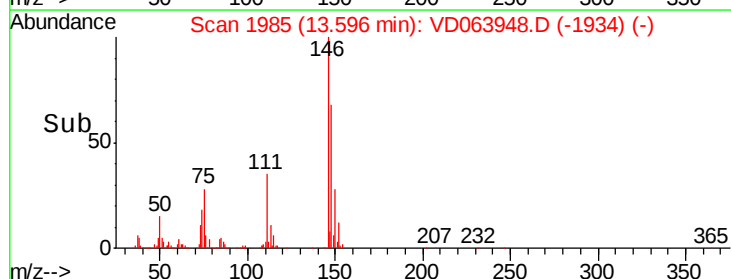
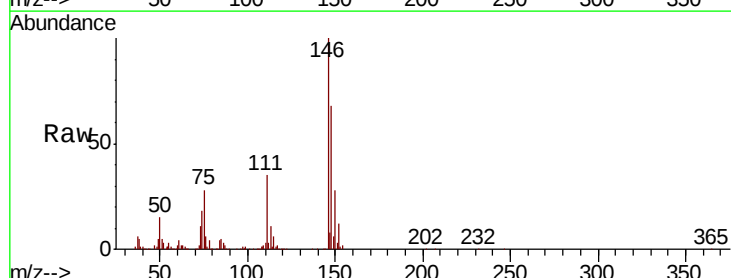
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

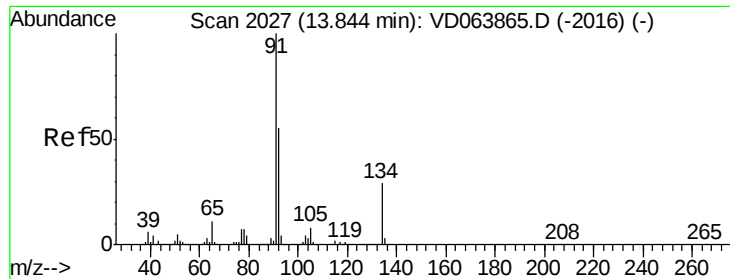
Tot Ion:146 Resp: 251203
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.3 54.9
 148 63.0 31.8 95.4



#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

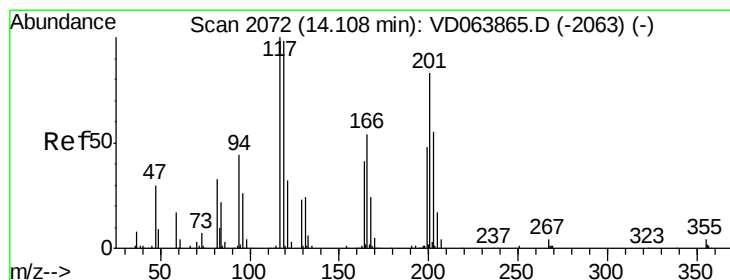
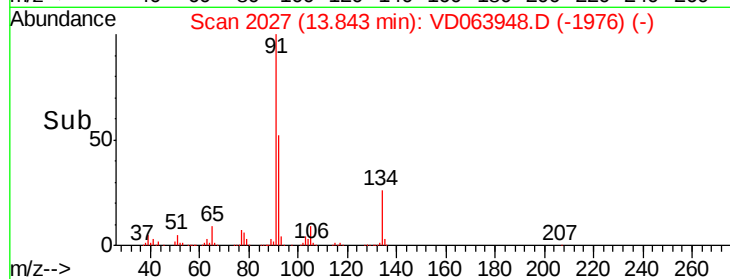
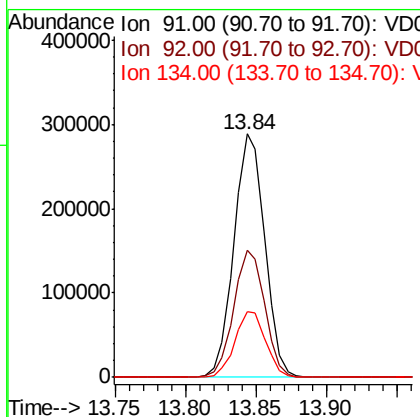
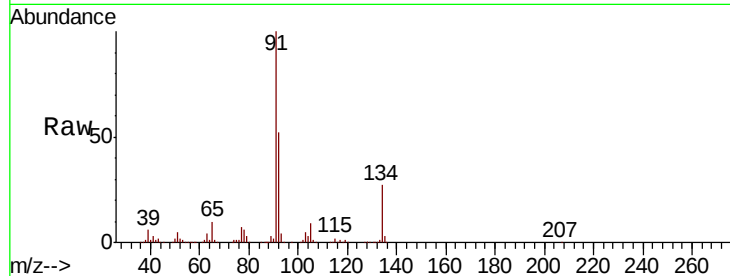




#89
n-Butylbenzene
Concen: 50.022 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063948.D
Acq: 11 Oct 2019 20:26

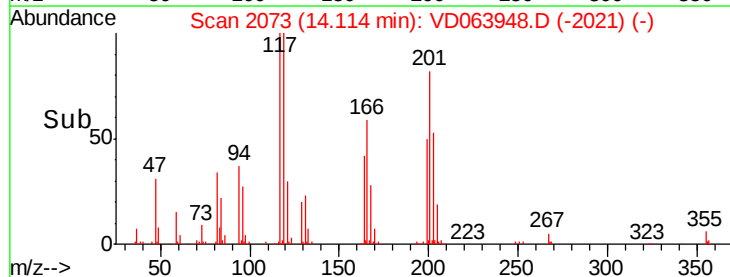
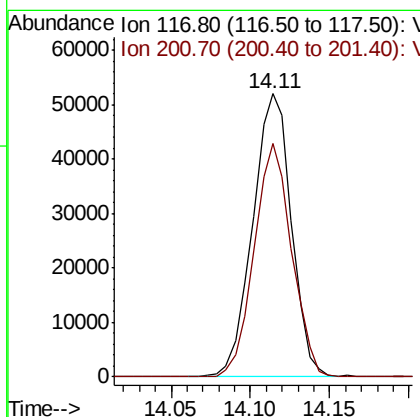
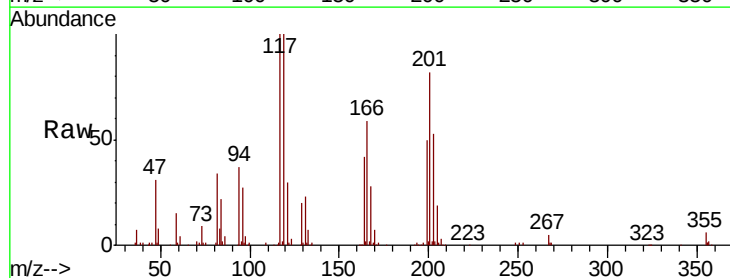
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

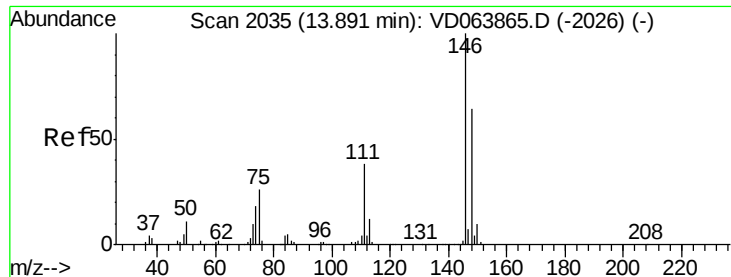
Tot Ion: 91 Resp: 439064
Ion Ratio Lower Upper
91 100
92 52.4 26.8 80.3
134 27.1 14.4 43.0



#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: 117 Resp: 88091
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 :

VSTDCCC050EC

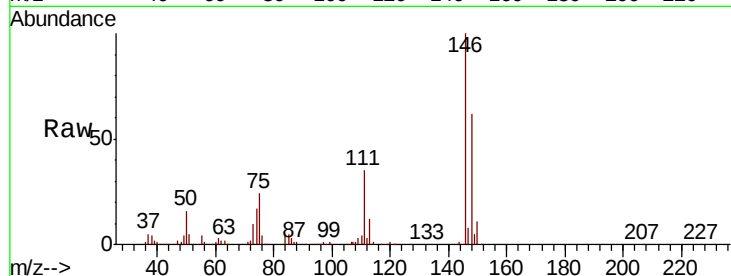
Tot Ion:146 Resp: 228863

Ion Ratio Lower Upper

146 100

111 35.8 18.6 55.6

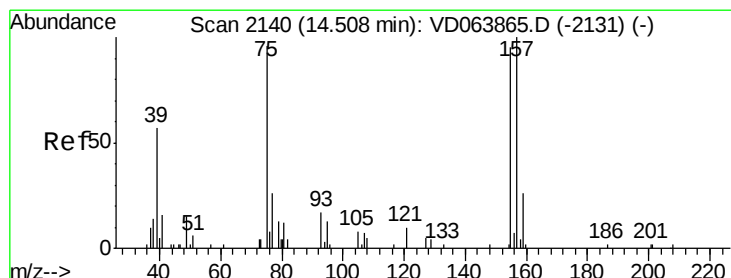
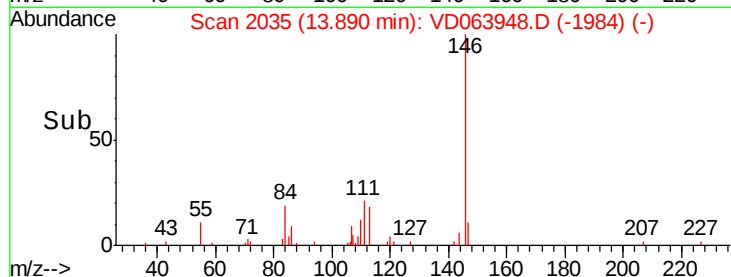
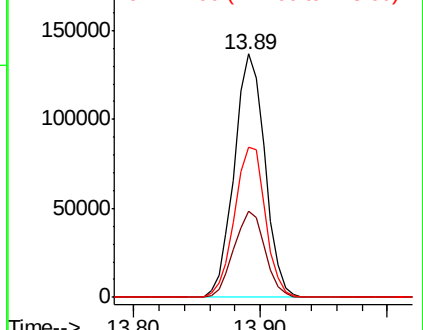
148 62.0 31.6 95.0



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

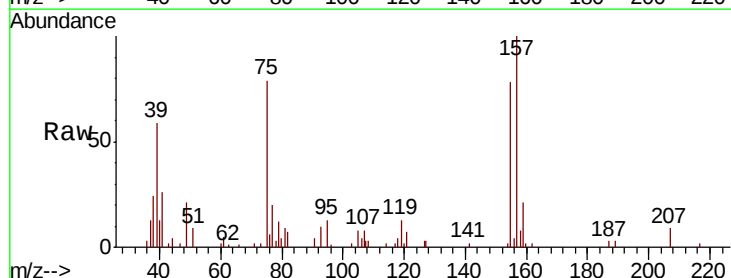
Tgt Ion: 75 Resp: 14328

Ion Ratio Lower Upper

75 100

155 97.1 43.9 131.6

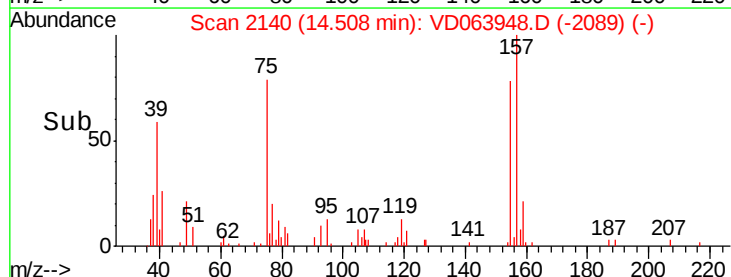
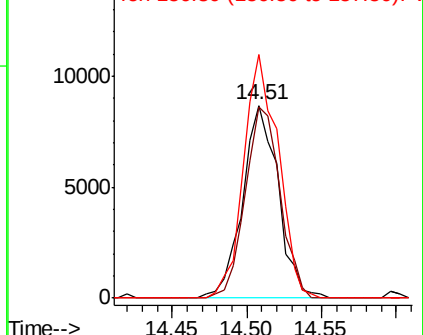
157 122.7 56.0 167.9

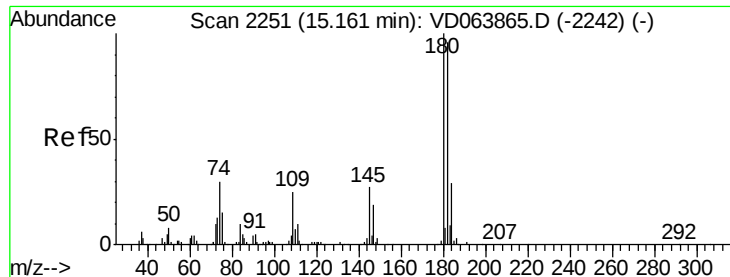


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

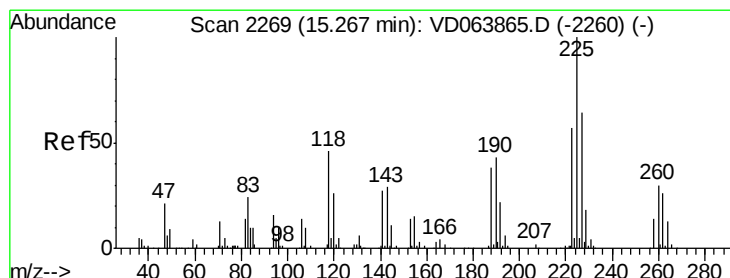
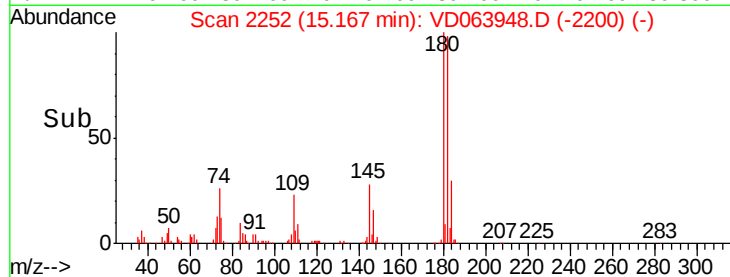
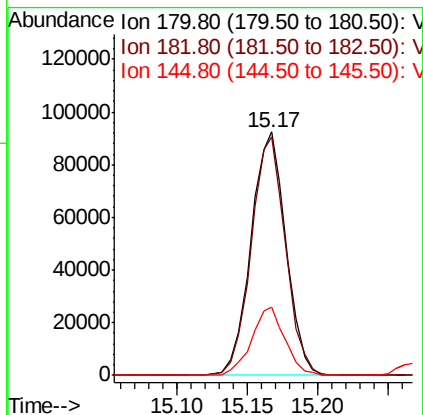
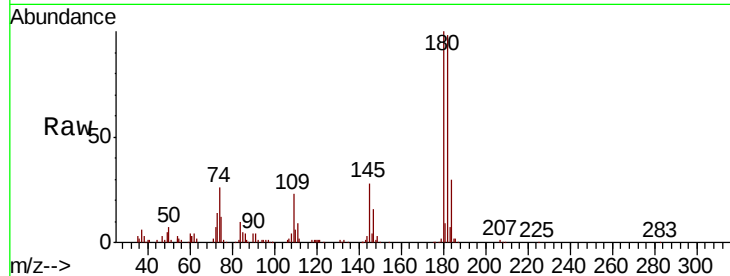




#93
 1,2,4-Trichlorobenzene
 Concen: 49.189 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063948.D
 Acq: 11 Oct 2019 20:26

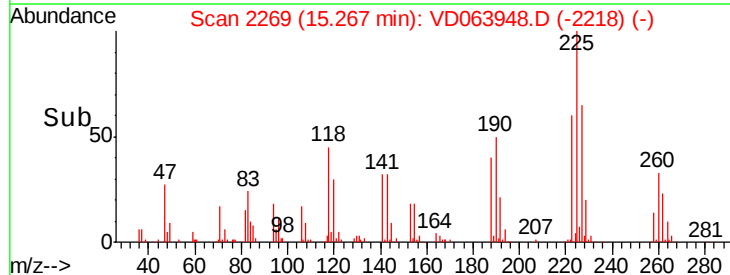
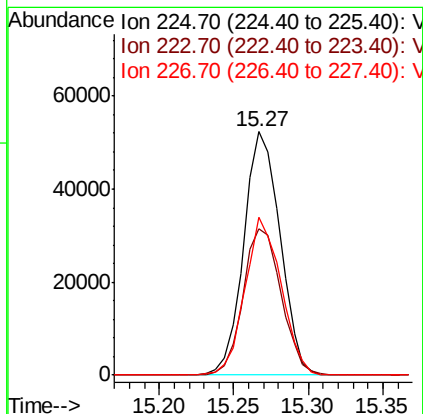
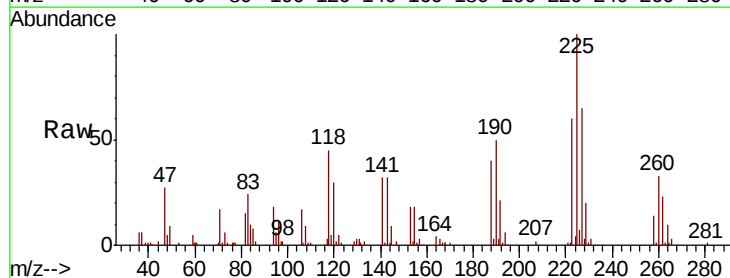
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 160022
 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:225 Resp: 88258
 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 :

VSTDCCC050EC

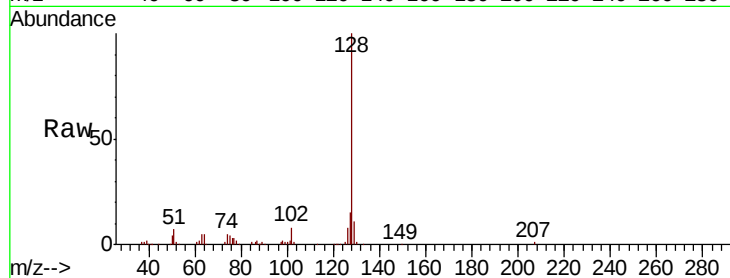
Tot Ion:128 Resp: 298739

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

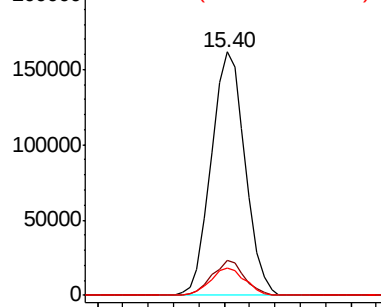
129 11.2 8.6 13.0



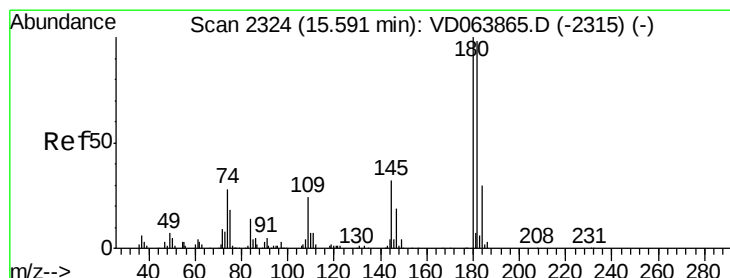
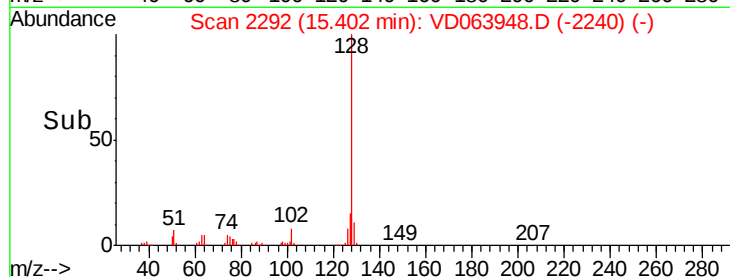
Abundance Ion 128.00 (127.70 to 128.70): V

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

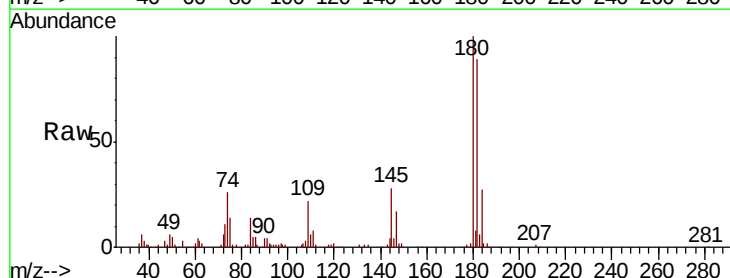
Tgt Ion:180 Resp: 142279

Ion Ratio Lower Upper

180 100

182 97.7 47.0 141.0

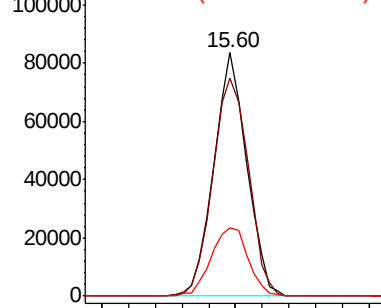
145 31.5 15.3 45.9



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

