

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
 Data File : VD063884.D
 Acq On : 04 Oct 2019 11:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 05 02:17:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	213110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	325450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	174543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	94506	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	7.91	113	94708	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.34	98	389705	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.63	95	128382	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75174	49.741	ug/l	90
3) Chloromethane	2.21	50	199108	43.016	ug/l	97
4) Vinyl Chloride	2.35	62	219700	44.978	ug/l	95
5) Bromomethane	2.77	94	134566	42.851	ug/l	96
6) Chloroethane	2.93	64	141133	43.689	ug/l	92
7) Trichlorofluoromethane	3.27	101	285385	44.189	ug/l	96
8) Diethyl Ether	3.71	74	48163	46.463	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86606	48.446	ug/l	97
10) Methyl Iodide	4.30	142	119375	48.461	ug/l	98
11) Tert butyl alcohol	5.24	59	40909	277.983	ug/l	100
12) 1,1-Dichloroethene	4.06	96	83935	46.995	ug/l	98
13) Acrolein	3.93	56	48321	260.761	ug/l	97
14) Allyl chloride	4.70	41	134042	45.141	ug/l	98
15) Acrylonitrile	5.43	53	110831	242.510	ug/l	97
16) Acetone	4.16	43	133021	246.253	ug/l	99
17) Carbon Disulfide	4.40	76	297607	45.839	ug/l #	94
18) Methyl Acetate	4.72	43	47806	45.248	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	227251	49.136	ug/l	94
20) Methylene Chloride	4.96	84	117607	42.421	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	109937	49.445	ug/l	95
22) Diisopropyl ether	6.37	45	283688	46.779	ug/l	96
23) Vinyl Acetate	6.31	43	882784	244.696	ug/l	99
24) 1,1-Dichloroethane	6.26	63	177672	47.564	ug/l	96
25) 2-Butanone	7.22	43	155975	243.646	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	165392	48.946	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	120734	47.975	ug/l	99
28) Bromochloromethane	7.55	49	71716	51.240	ug/l	97
29) Tetrahydrofuran	7.57	42	85413	228.587	ug/l	98
30) Chloroform	7.71	83	192275	47.391	ug/l	99
31) Cyclohexane	7.98	56	156943	44.808	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	171155	49.179	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145673	47.798	ug/l	98
37) Ethyl Acetate	7.30	43	61985	44.816	ug/l	97
38) Carbon Tetrachloride	8.10	117	150533	48.878	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177652	47.409	ug/l	93
40) Benzene	8.35	78	424377	48.591	ug/l	97
41) Methacrylonitrile	7.56	41	86465	122.370	ug/l #	14
42) 1,2-Dichloroethane	8.43	62	118817	47.031	ug/l	99
43) Isopropyl Acetate	8.46	43	120548	47.165	ug/l	99
44) Trichloroethene	9.11	130	125741	49.928	ug/l	100
45) 1,2-Dichloropropane	9.38	63	101601	47.528	ug/l	94
46) Dibromomethane	9.48	93	58086	47.711	ug/l	97
47) Bromodichloromethane	9.66	83	151888	48.457	ug/l	99
48) Methyl methacrylate	9.46	41	54226	44.281	ug/l	93
49) 1,4-Dioxane	9.47	88	15981	961.665	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	316730	238.946	ug/l	100
52) Toluene	10.40	92	294925	49.191	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	150033	49.052	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	177846	50.512	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	81652	47.500	ug/l	93
56) Ethyl methacrylate	10.66	69	105168	48.312	ug/l	98
57) 1,3-Dichloropropane	10.94	76	139030	47.271	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	207429	221.686	ug/l	99
59) 2-Hexanone	10.98	43	237666	247.865	ug/l	99
60) Dibromochloromethane	11.14	129	111158	49.670	ug/l	97
61) 1,2-Dibromoethane	11.24	107	85032	51.025	ug/l	99
64) Tetrachloroethene	10.87	164	109310	49.199	ug/l	97
65) Chlorobenzene	11.67	112	323852	49.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	118283	49.114	ug/l	97
67) Ethyl Benzene	11.74	91	587352	49.837	ug/l	99
68) m/p-Xylenes	11.86	106	457803	100.639	ug/l	100
69) o-Xylene	12.18	106	216874	49.789	ug/l	95
70) Styrene	12.20	104	373799	50.693	ug/l	99
71) Bromoform	12.36	173	66658	51.574	ug/l #	100
73) Isopropylbenzene	12.48	105	578876	49.335	ug/l	99
74) N-amyl acetate	12.29	43	122955	48.670	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	95395	46.721	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	128649	110.047	ug/l #	100
77) Bromobenzene	12.76	156	142943	48.897	ug/l	98
78) n-propylbenzene	12.82	91	678244	49.245	ug/l	100
79) 2-Chlorotoluene	12.91	91	367664	48.413	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	491578	50.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32110	48.606	ug/l	96
82) 4-Chlorotoluene	13.00	91	389194	48.310	ug/l	99
83) tert-Butylbenzene	13.23	119	425574	48.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	492263	48.778	ug/l	100
85) sec-Butylbenzene	13.40	105	582526	49.512	ug/l	99
86) p-Isopropyltoluene	13.51	119	559324	50.239	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	288059	49.870	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	279606	49.067	ug/l	98
89) n-Butylbenzene	13.84	91	516728	49.862	ug/l	99
90) Hexachloroethane	14.11	117	107201	53.537	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	247015	49.623	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	16458	46.592	ug/l	86

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QLast Update : Fri Oct 04 01:55:35 2019
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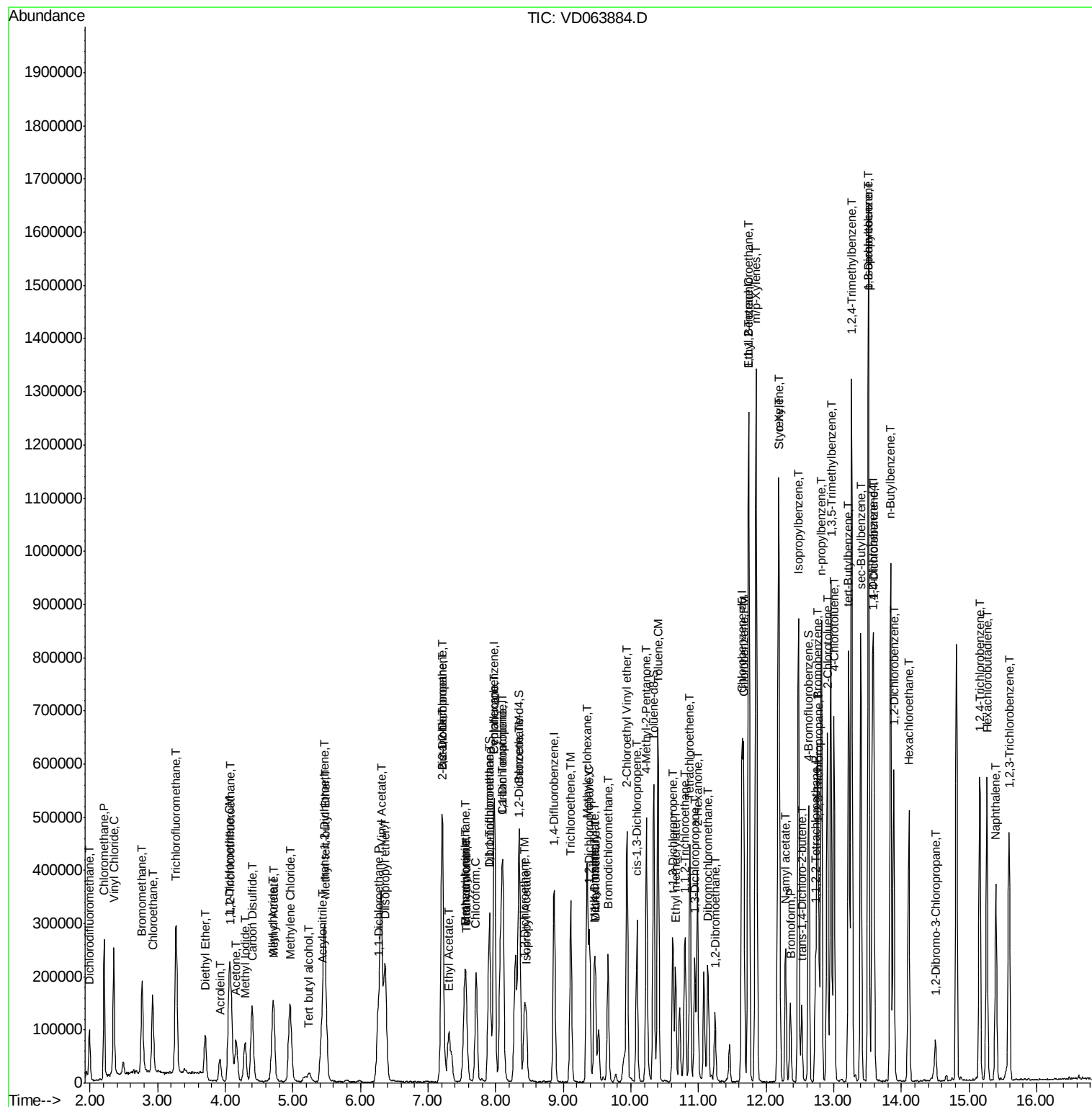
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	193058	50.263	ug/l	99
94) Hexachlorobutadiene	15.27	225	103796	48.971	ug/l	94
95) Naphthalene	15.40	128	337031	52.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167765	50.624	ug/l	99

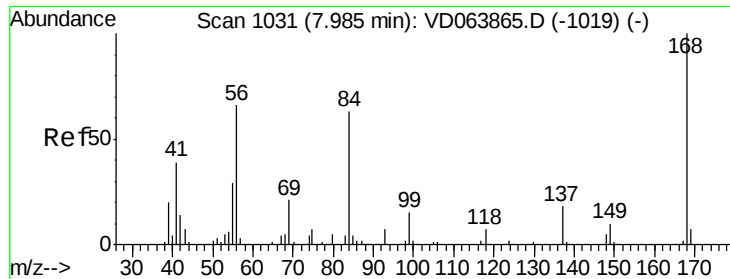
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
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QLast Update : Fri Oct 04 01:55:35 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

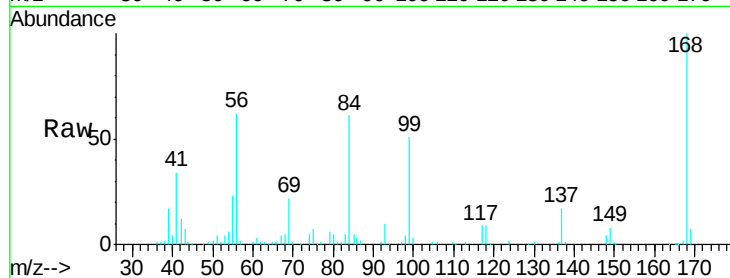
VSTDCCC050

Tgt Ion:168 Resp: 213110

Ion Ratio Lower Upper

168 100

99 50.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

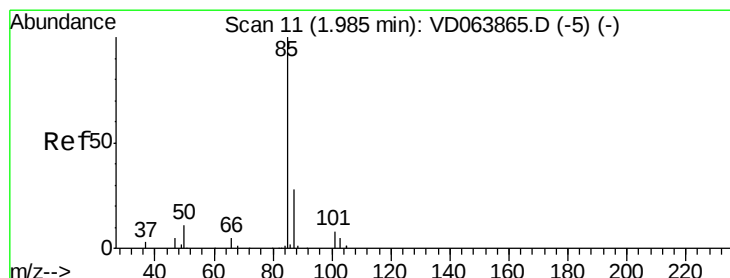
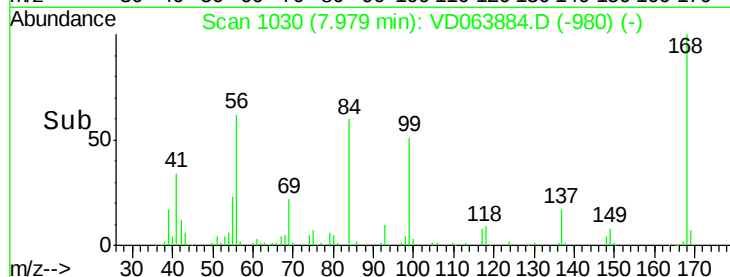
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.741 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063884.D

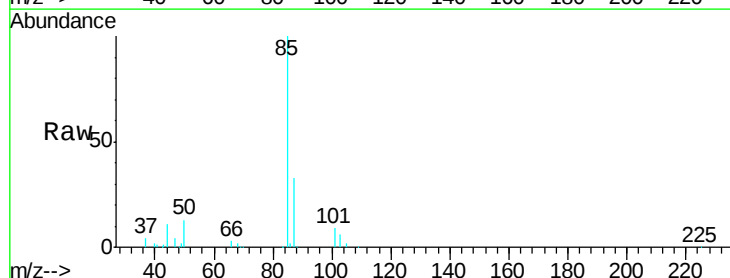
Acq: 04 Oct 2019 11:47

Tgt Ion: 85 Resp: 75174

Ion Ratio Lower Upper

85 100

87 33.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

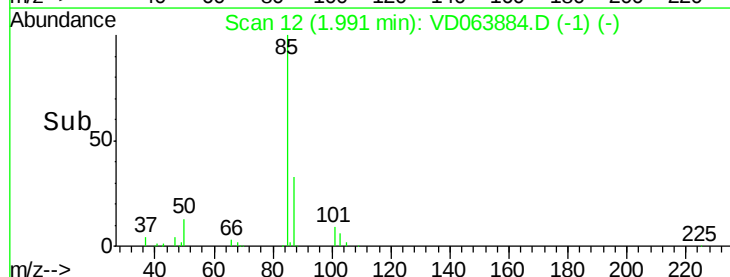
20000

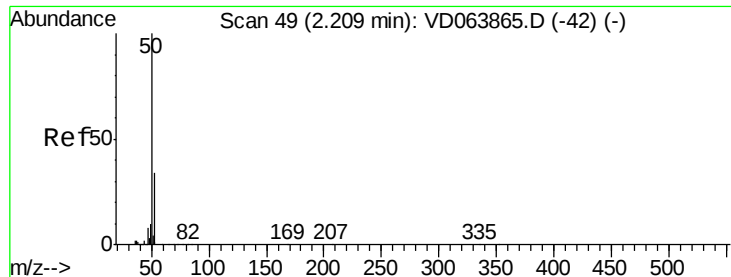
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->

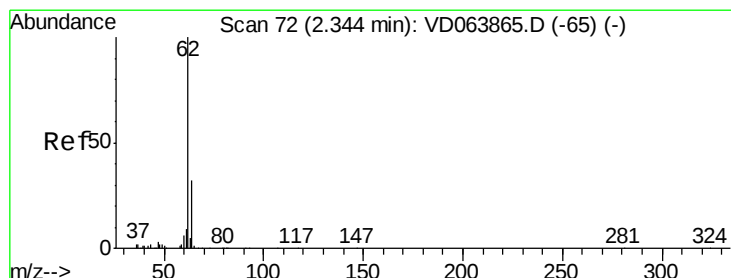
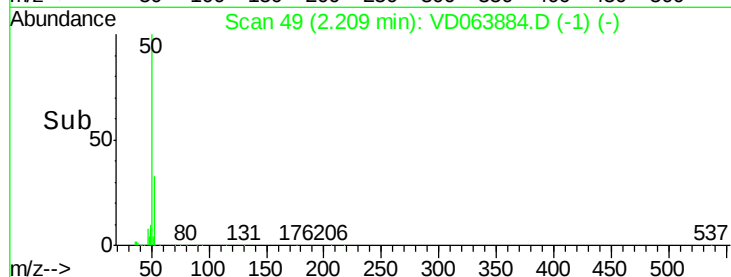
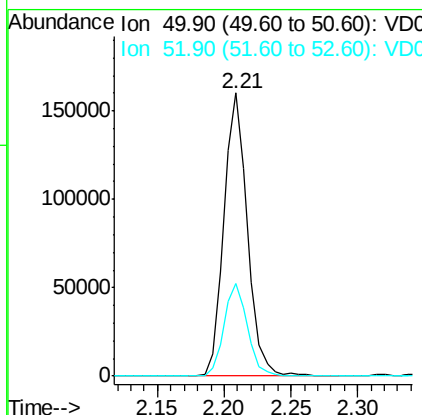
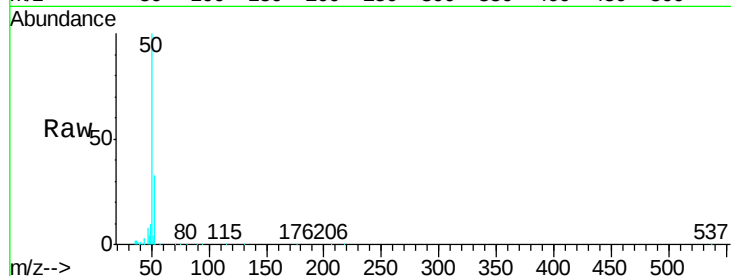




#3
Chloromethane
Concen: 43.016 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

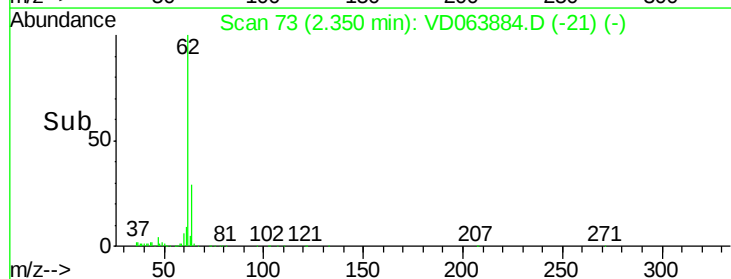
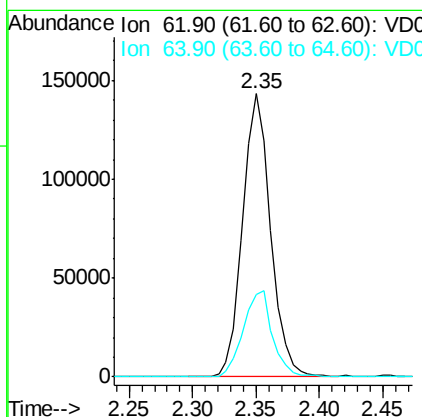
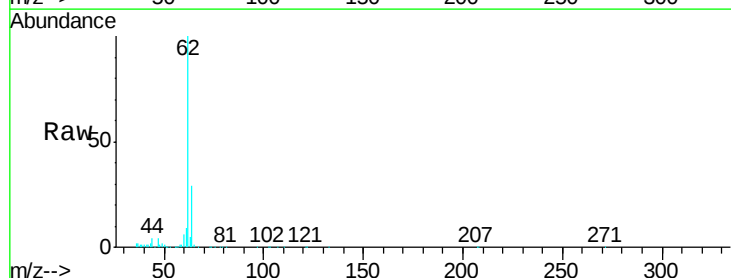
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

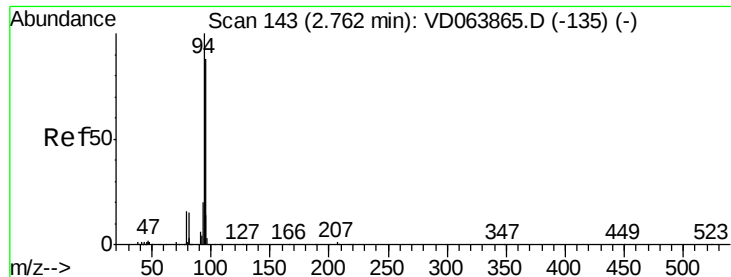
Tgt Ion: 50 Resp: 199108
Ion Ratio Lower Upper
50 100
52 32.6 27.5 41.3



#4
Vinyl Chloride
Concen: 44.978 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 62 Resp: 219700
Ion Ratio Lower Upper
62 100
64 28.9 25.4 38.0





#5

Bromomethane

Concen: 42.851 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

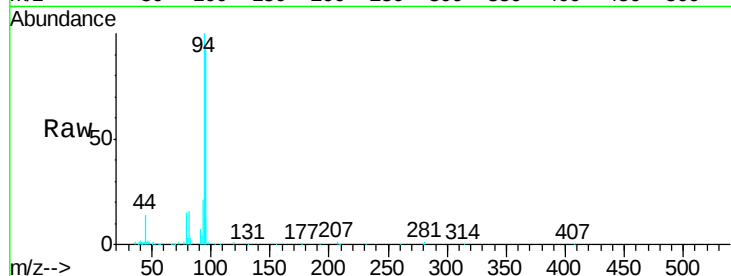
VSTDCCC050

Tgt Ion: 94 Resp: 134566

Ion Ratio Lower Upper

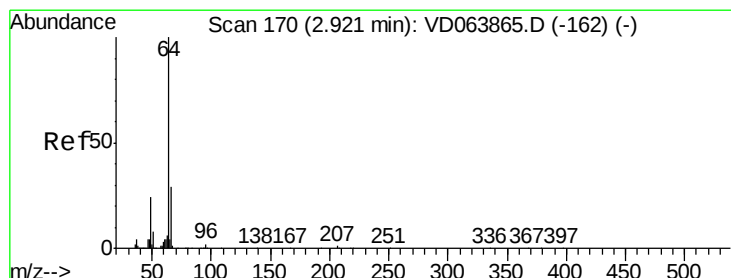
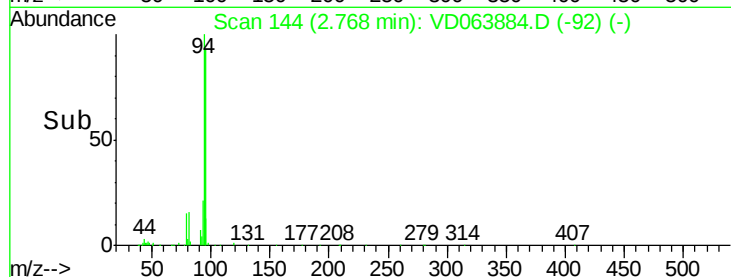
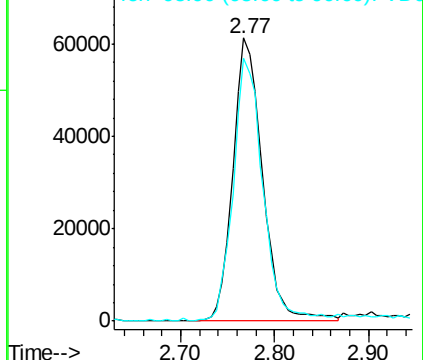
94 100

96 92.7 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: 43.689 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063884.D

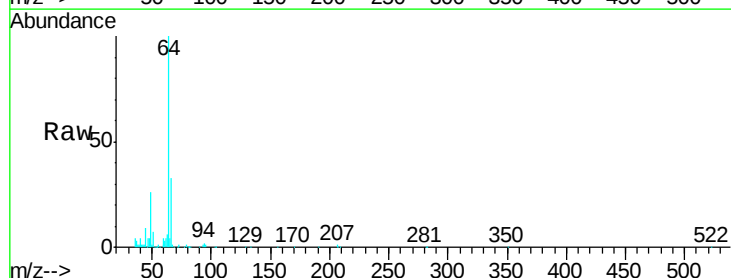
Acq: 04 Oct 2019 11:47

Tgt Ion: 64 Resp: 141133

Ion Ratio Lower Upper

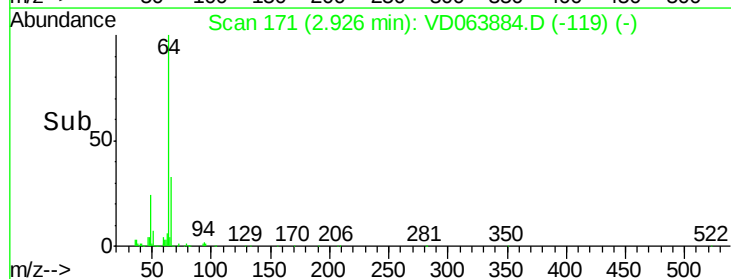
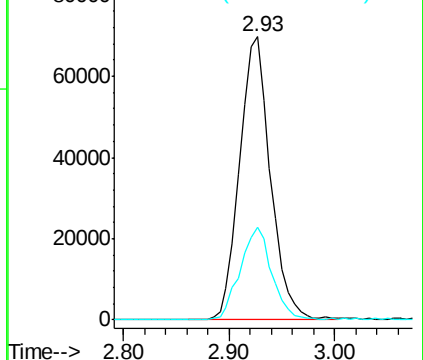
64 100

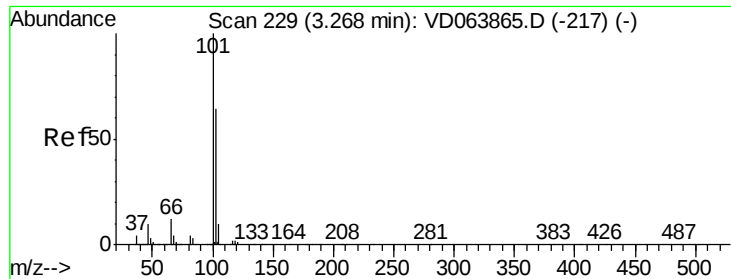
66 32.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



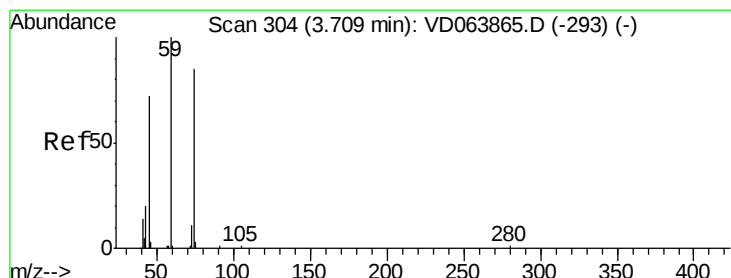
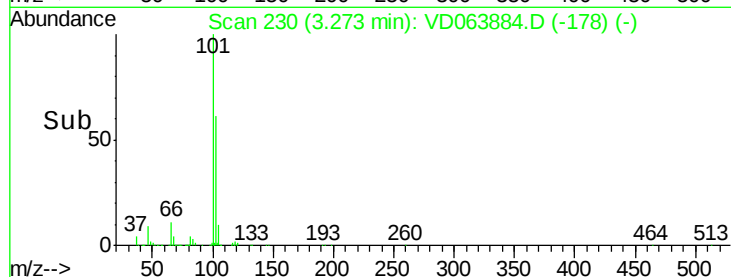
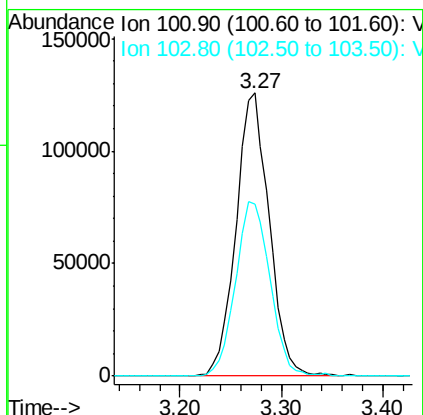
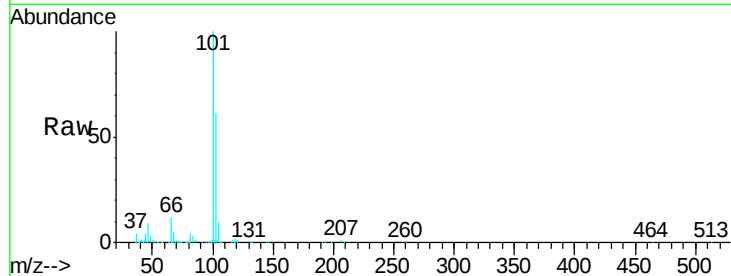


#7

Trichlorofluoromethane
 Concen: 44.189 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
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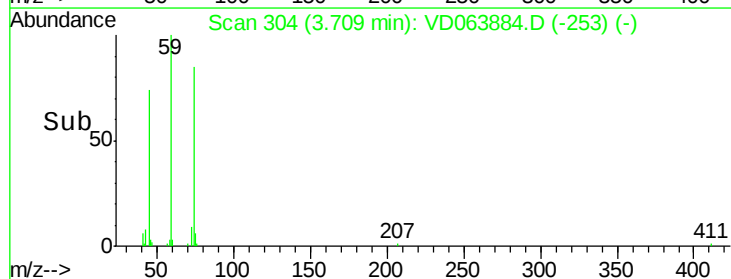
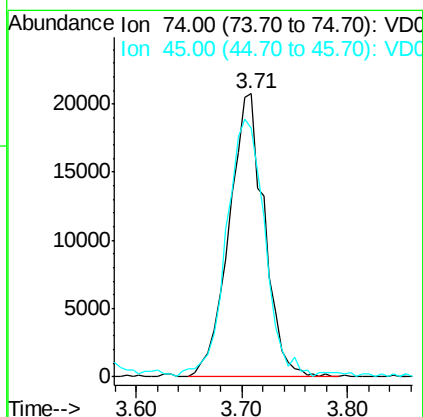
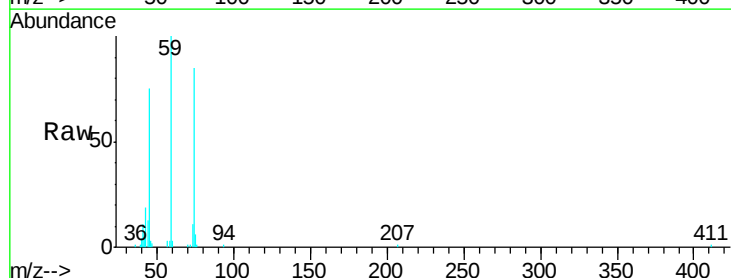
Tgt Ion:101 Resp: 285385
 Ion Ratio Lower Upper
 101 100
 103 60.7 51.1 76.7

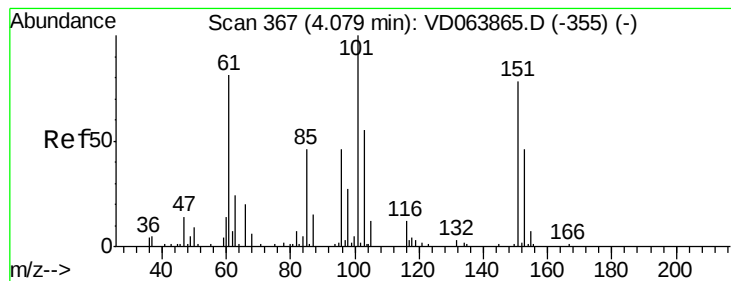


#8

Diethyl Ether
 Concen: 46.463 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 74 Resp: 48163
 Ion Ratio Lower Upper
 74 100
 45 99.2 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.446 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

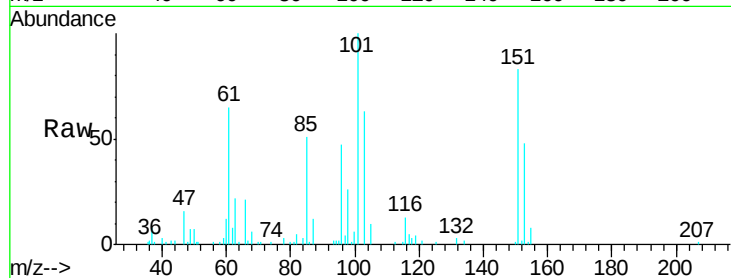
Tgt Ion:101 Resp: 86606

Ion Ratio Lower Upper

101 100

85 44.1 37.5 56.3

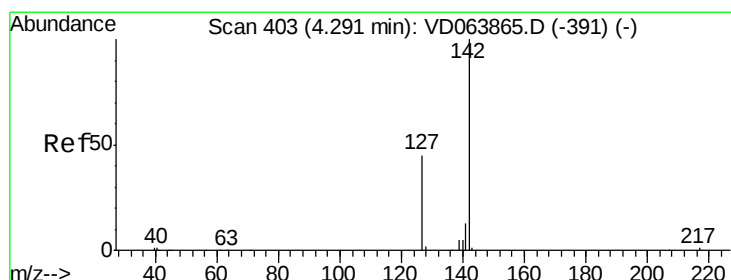
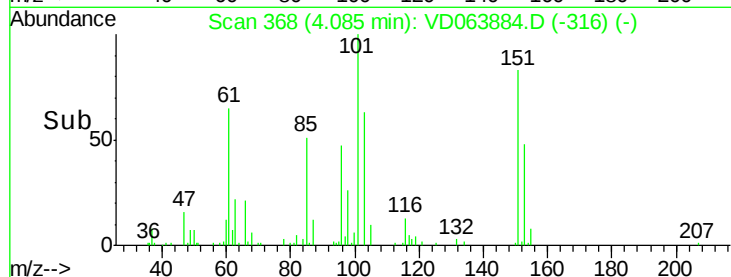
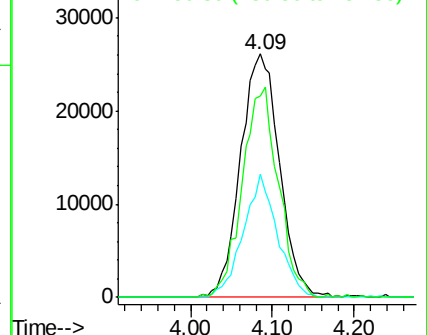
151 79.9 65.5 98.3



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: 48.461 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

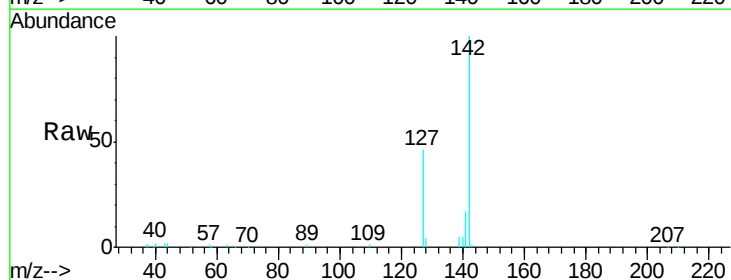
Tgt Ion:142 Resp: 119375

Ion Ratio Lower Upper

142 100

127 45.2 35.3 52.9

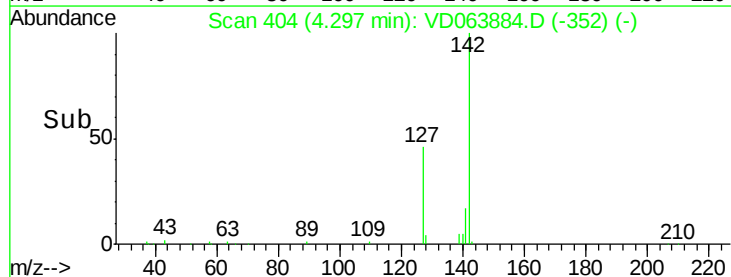
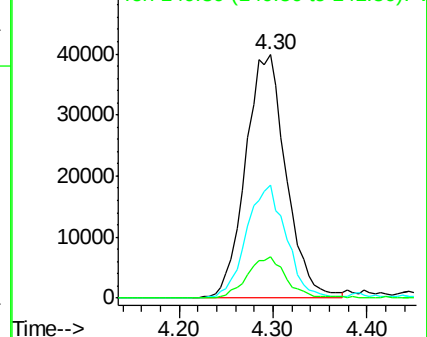
141 16.2 12.2 18.2

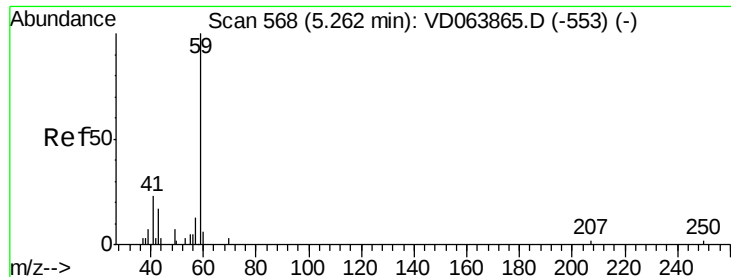


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



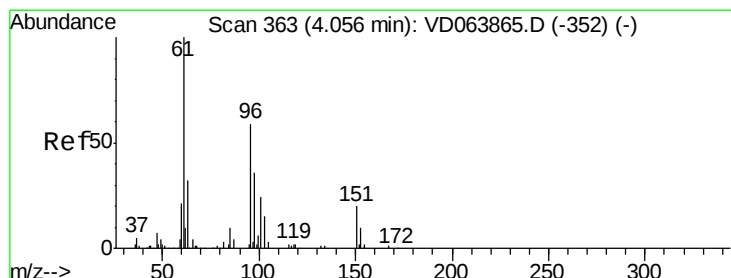
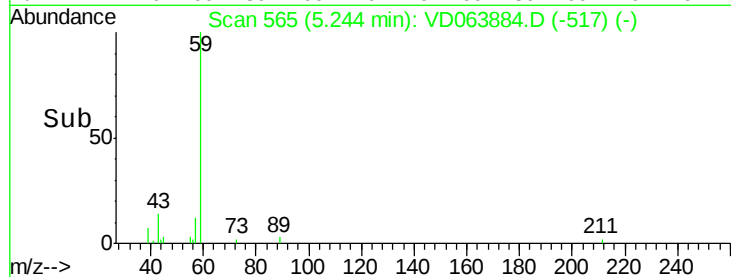
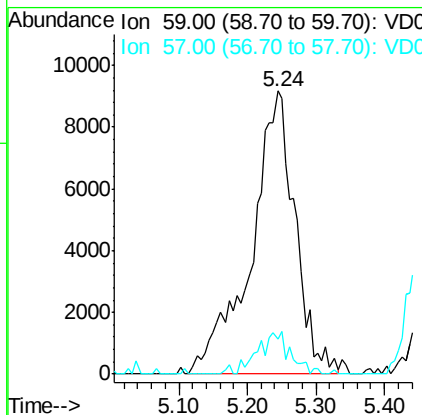
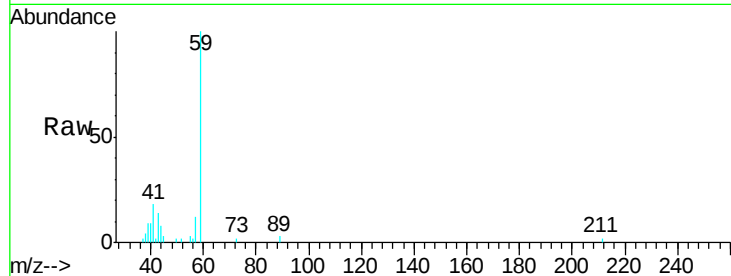


#11

Tert butyl alcohol
 Concen: 277.983 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

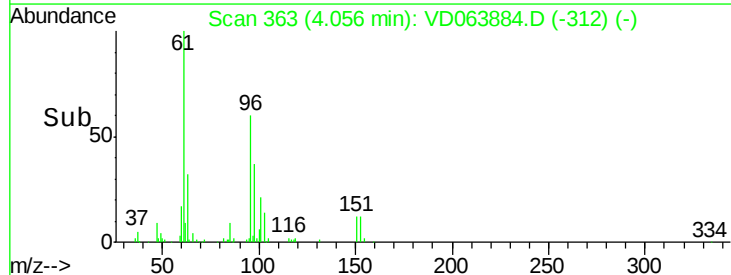
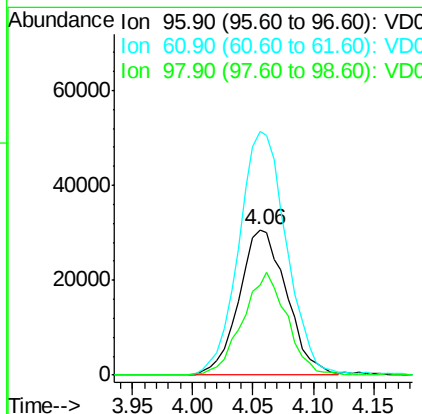
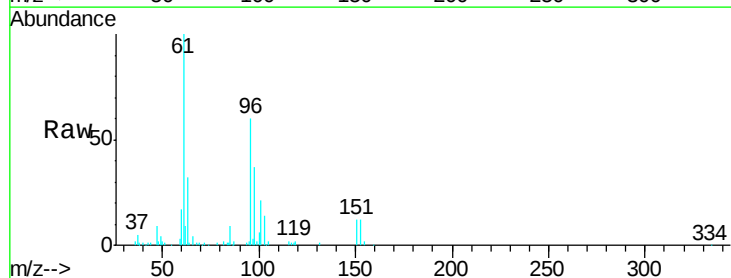
Tgt Ion: 59 Resp: 40909
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.8 13.2

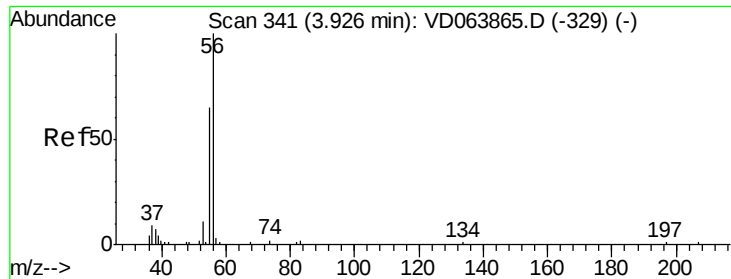


#12

1,1-Dichloroethene
 Concen: 46.995 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 96 Resp: 83935
 Ion Ratio Lower Upper
 96 100
 61 166.5 135.6 203.4
 98 62.1 49.2 73.8





#13

Acrolein

Concen: 260.761 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

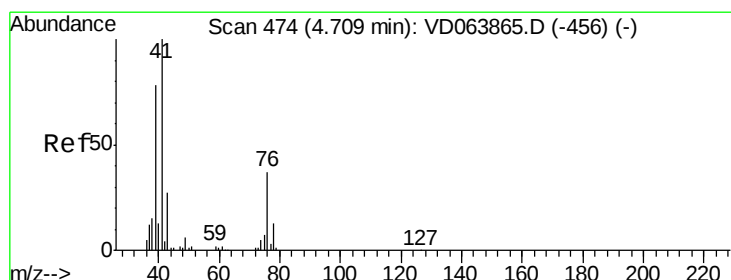
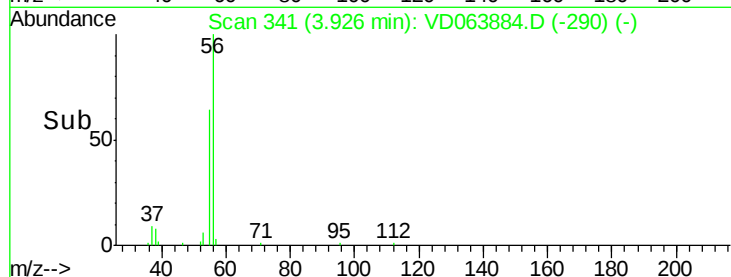
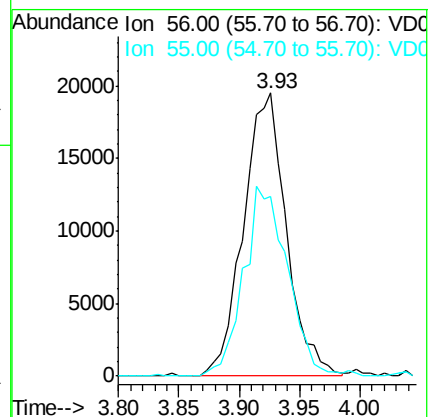
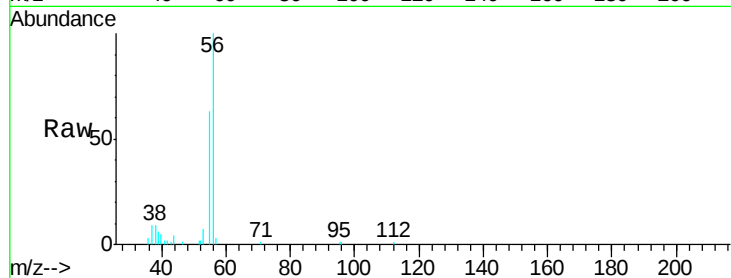
VSTDCCC050

Tgt Ion: 56 Resp: 48321

Ion Ratio Lower Upper

56 100

55 68.5 53.0 79.6



#14

Allyl chloride

Concen: 45.141 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

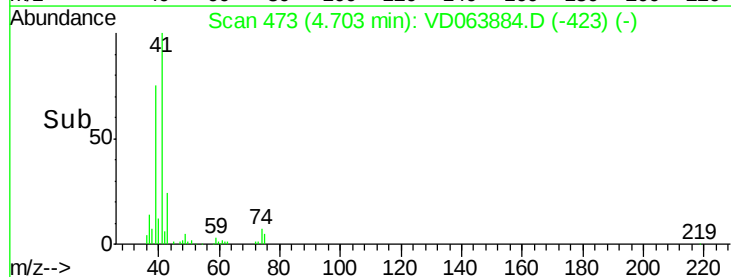
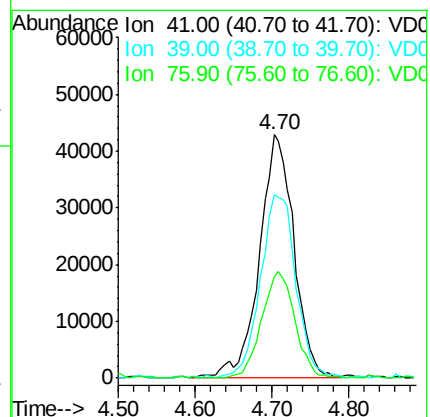
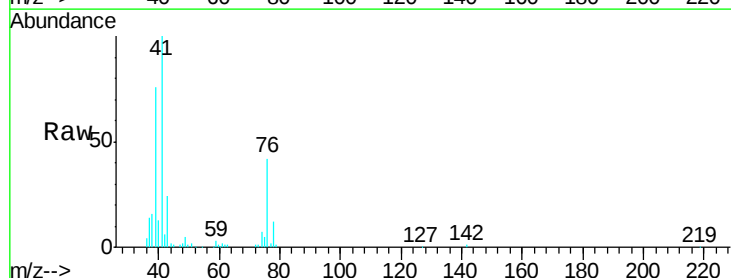
Tgt Ion: 41 Resp: 134042

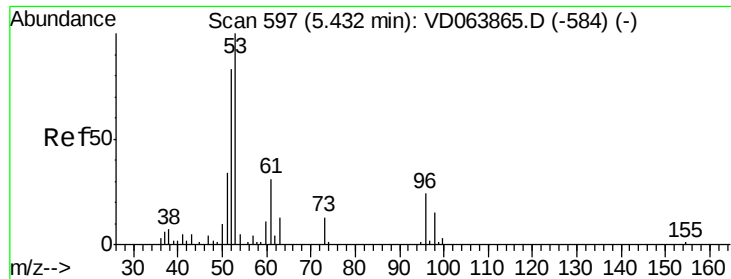
Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.6

76 42.3 31.3 46.9





#15

Acrylonitrile

Concen: 242.510 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

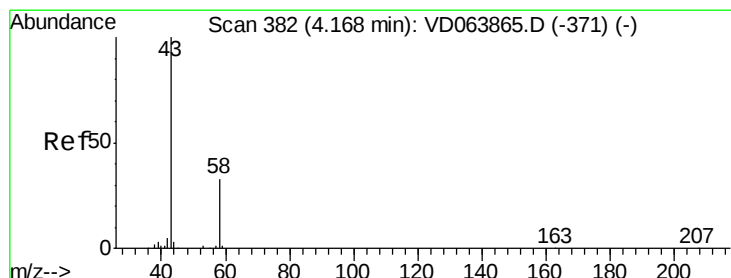
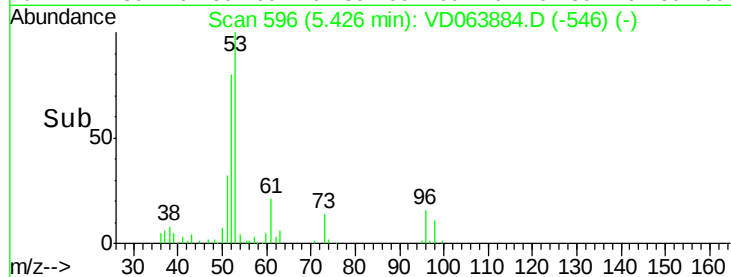
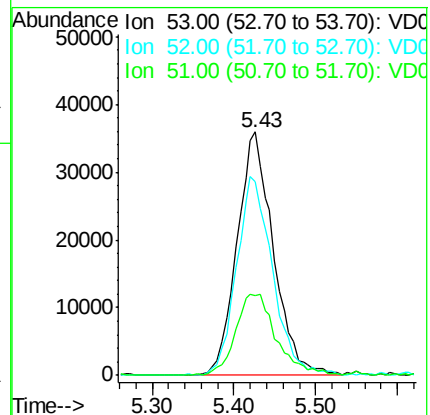
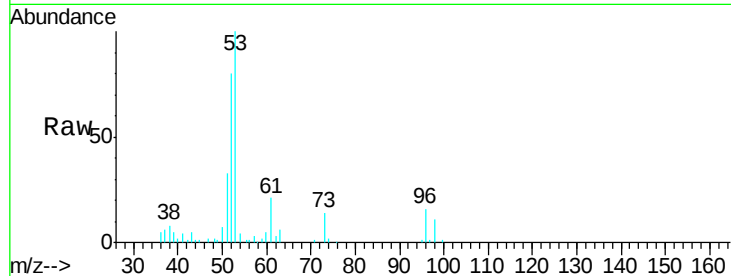
Tgt Ion: 53 Resp: 110831

Ion Ratio Lower Upper

53 100

52 81.4 67.3 100.9

51 37.0 30.5 45.7



#16

Acetone

Concen: 246.253 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD063884.D

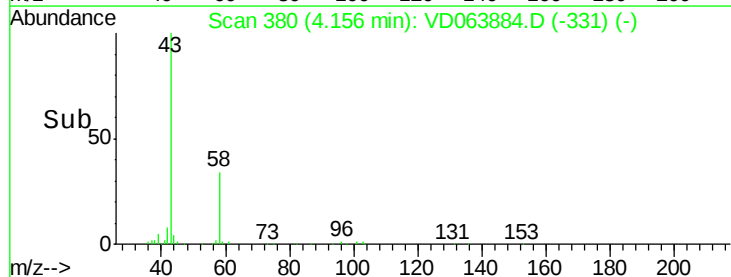
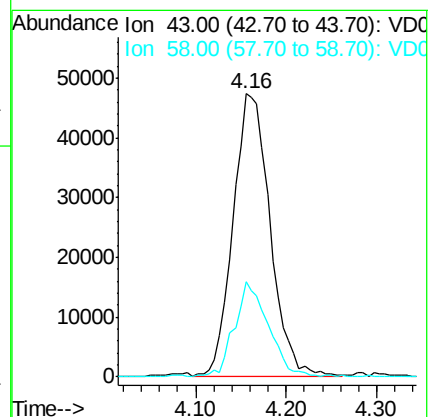
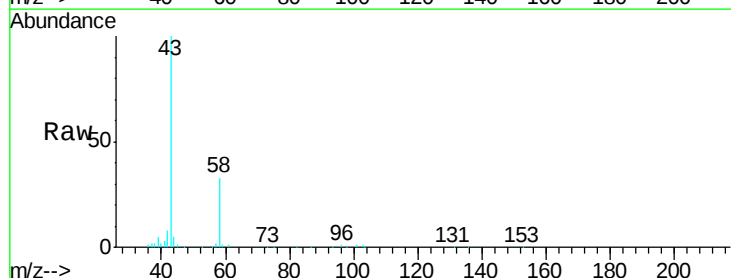
Acq: 04 Oct 2019 11:47

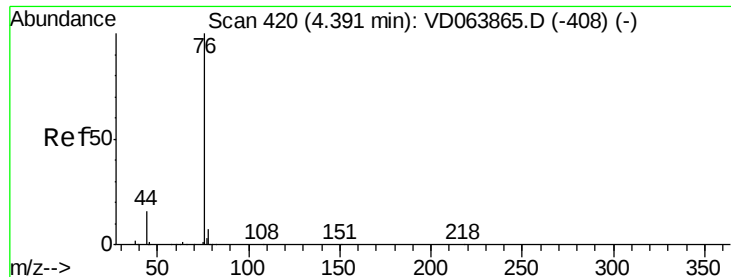
Tgt Ion: 43 Resp: 133021

Ion Ratio Lower Upper

43 100

58 33.6 26.2 39.4





#17

Carbon Disulfide

Concen: 45.839 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

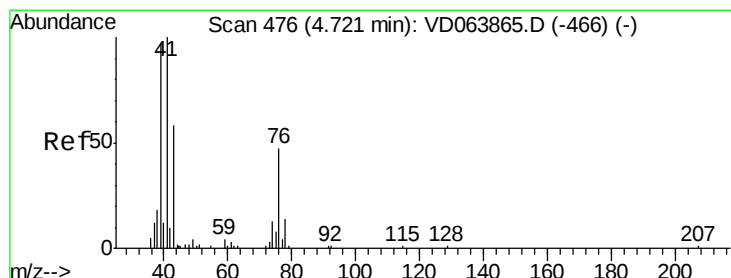
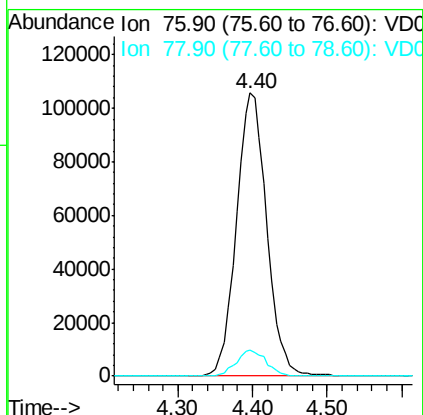
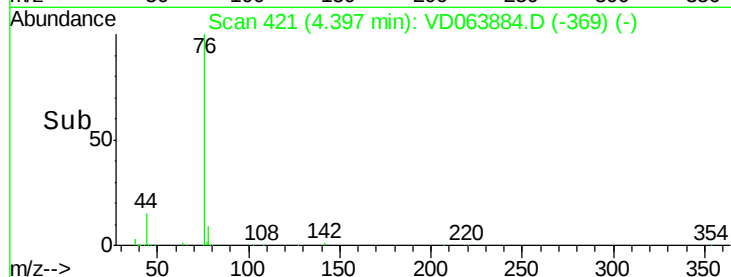
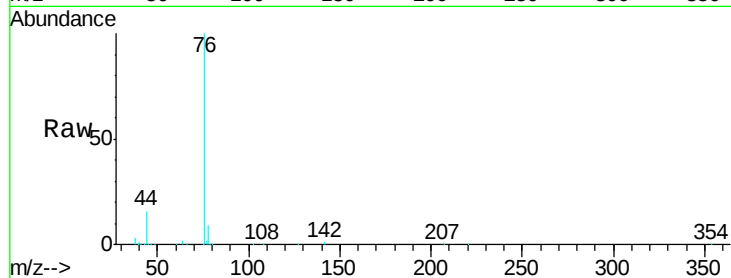
VSTDCCC050

Tgt Ion: 76 Resp: 297607

Ion Ratio Lower Upper

76 100

78 9.4 5.8 8.8#



#18

Methyl Acetate

Concen: 45.248 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD063884.D

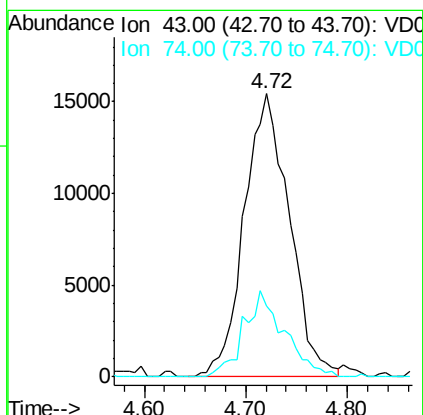
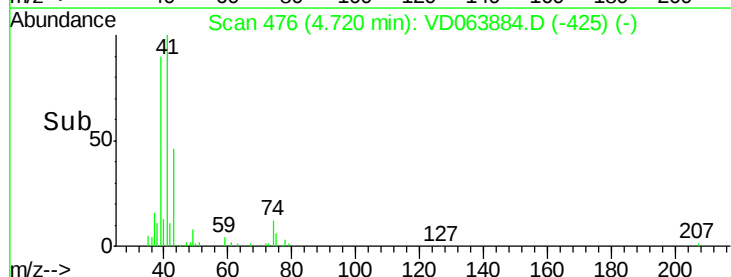
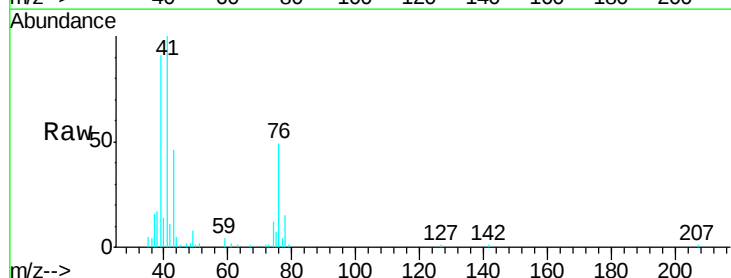
Acq: 04 Oct 2019 11:47

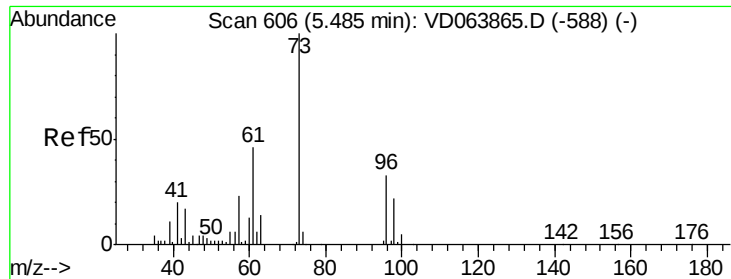
Tgt Ion: 43 Resp: 47806

Ion Ratio Lower Upper

43 100

74 27.5 20.8 31.2

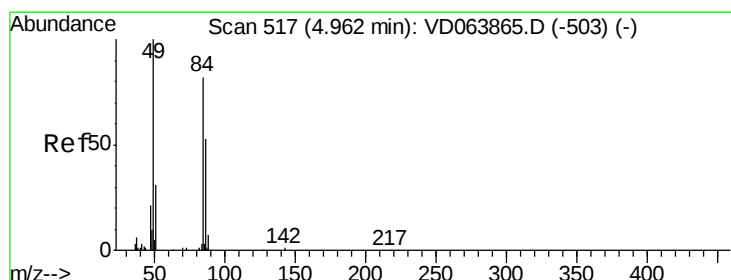
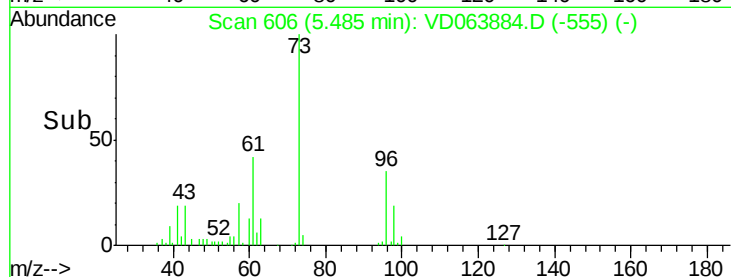
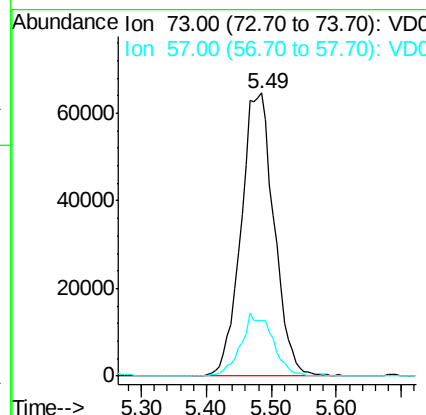
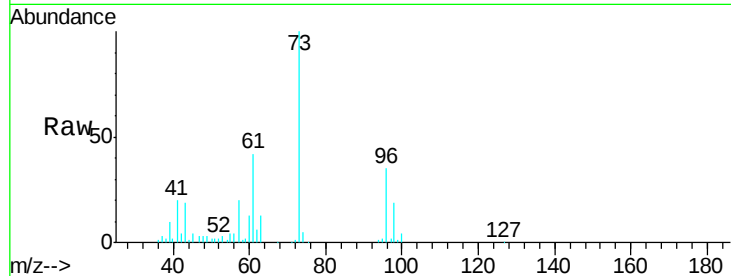




#19
Methyl tert-butyl Ether
Concen: 49.136 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

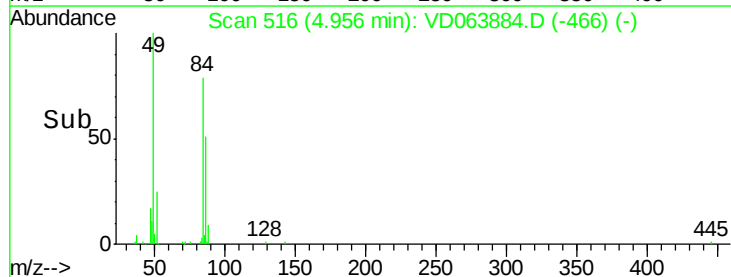
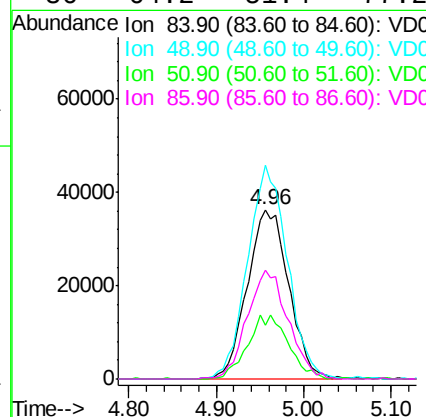
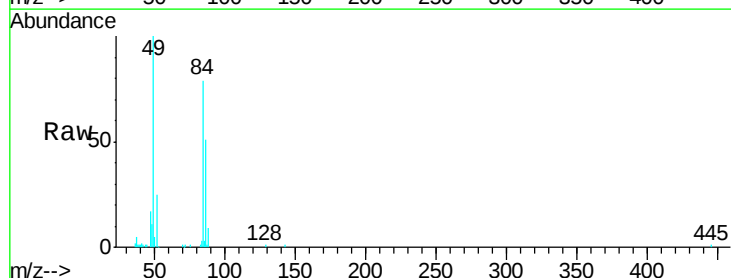
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

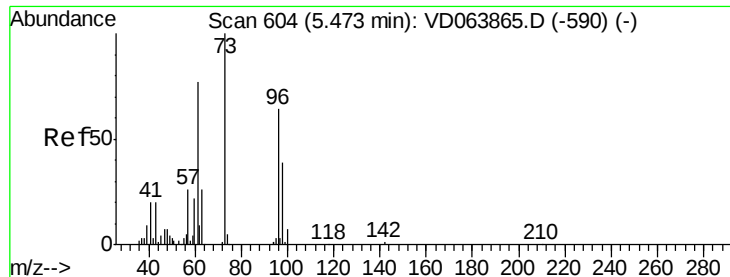
Tgt Ion: 73 Resp: 227251
Ion Ratio Lower Upper
73 100
57 19.8 18.1 27.1



#20
Methylene Chloride
Concen: 42.421 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 84 Resp: 117607
Ion Ratio Lower Upper
84 100
49 126.3 97.3 145.9
51 31.9 30.1 45.1
86 64.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.445 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

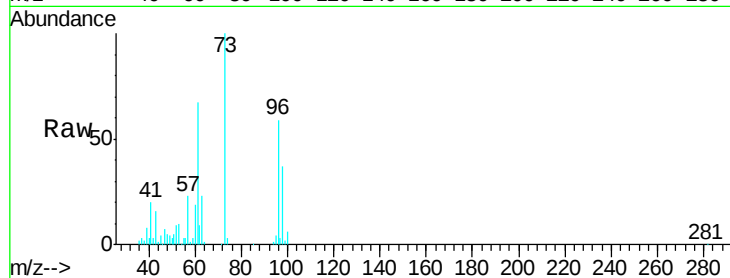
Tgt Ion: 96 Resp: 109937

Ion Ratio Lower Upper

96 100

61 112.5 96.6 145.0

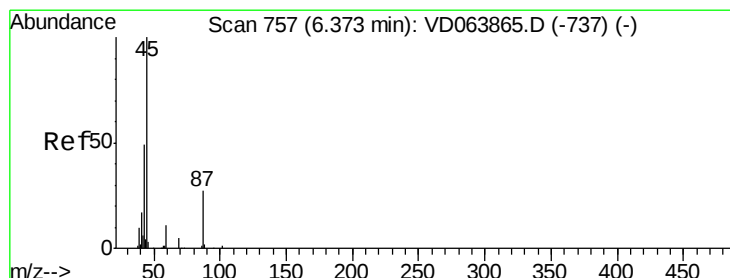
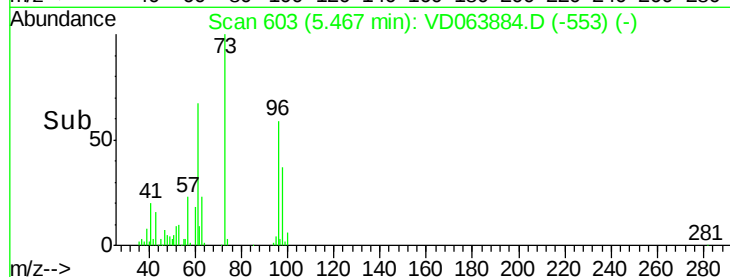
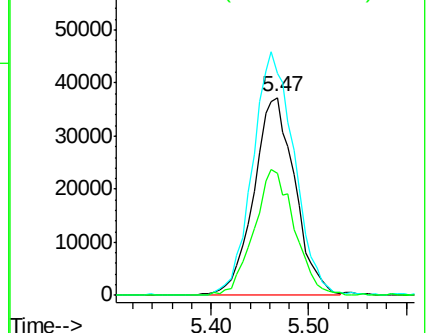
98 61.9 48.7 73.1



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: 46.779 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion: 45 Resp: 283688

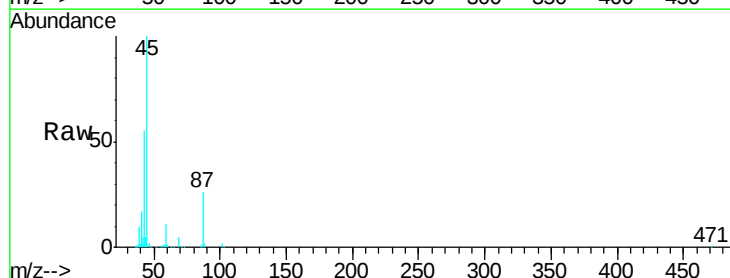
Ion Ratio Lower Upper

45 100

43 54.1 41.2 61.8

87 25.3 22.2 33.4

59 11.0 9.2 13.8

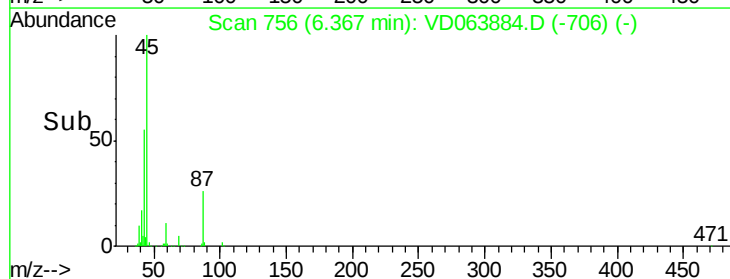
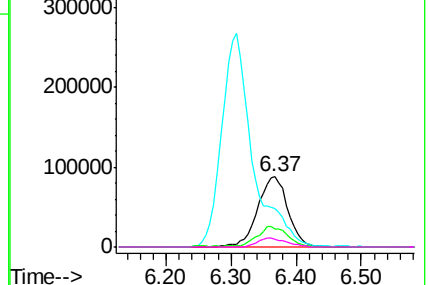


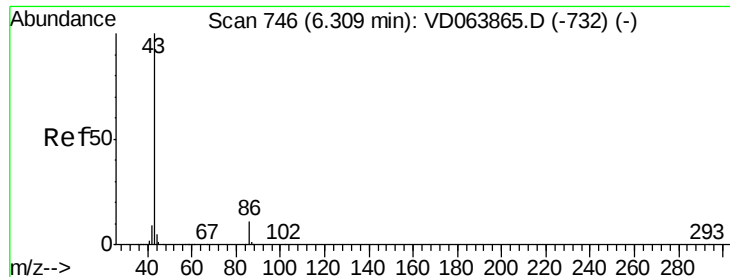
Abundance Ion 45.00 (44.70 to 45.70): VDC

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

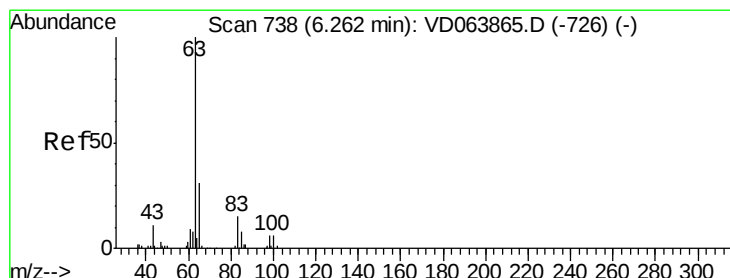
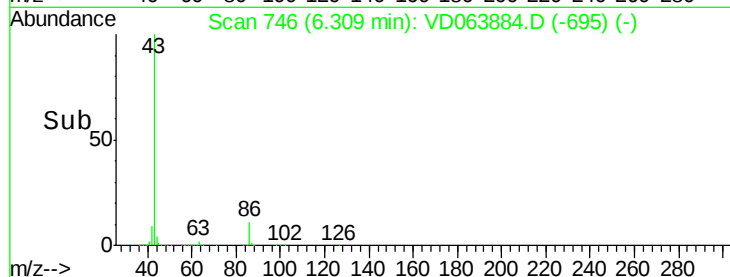
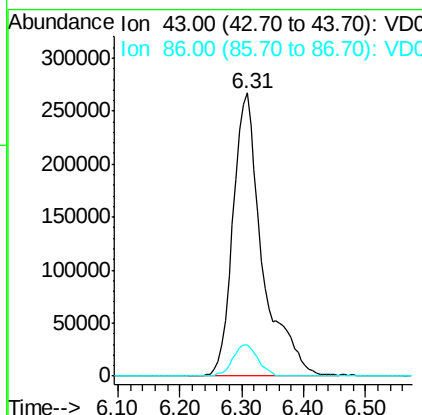
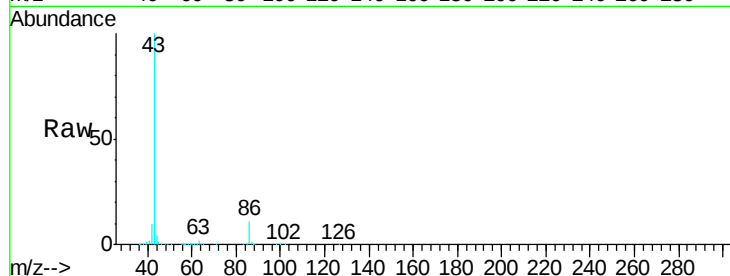




#23
 Vinyl Acetate
 Concen: 244.696 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

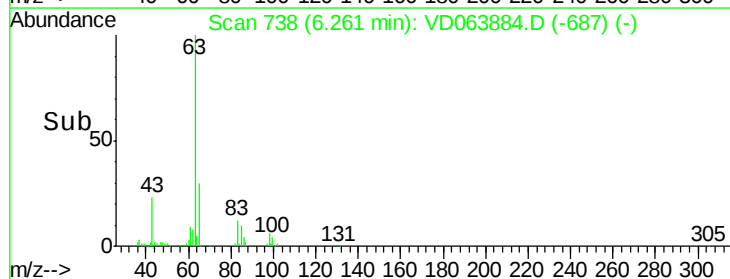
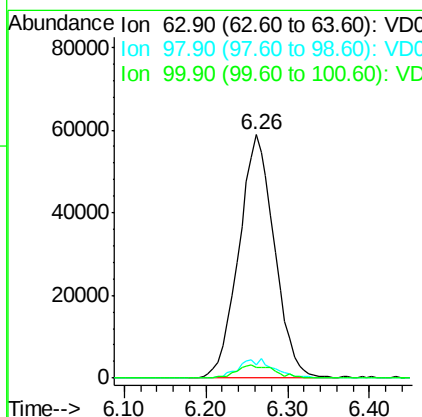
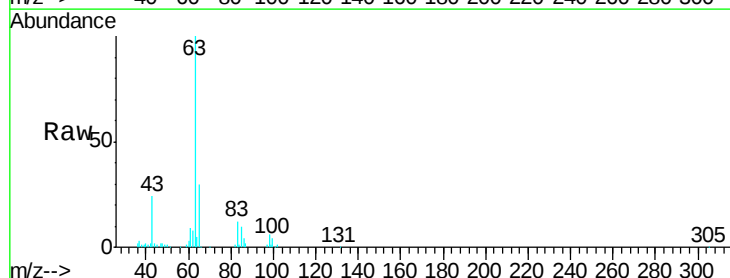
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

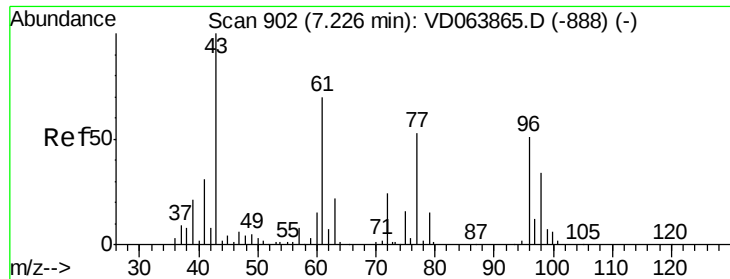
Tgt Ion: 43 Resp: 882784
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 47.564 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 63 Resp: 177672
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.1 9.4
 100 4.3 3.0 9.2





#25

2-Butanone

Concen: 243.646 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

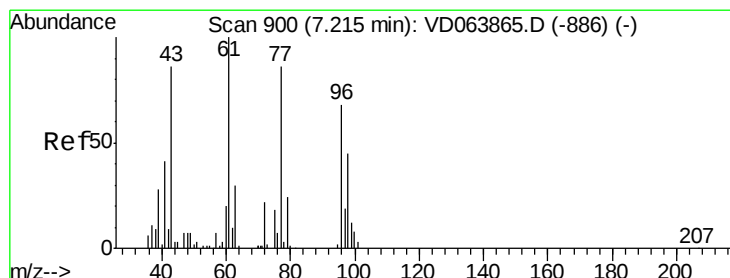
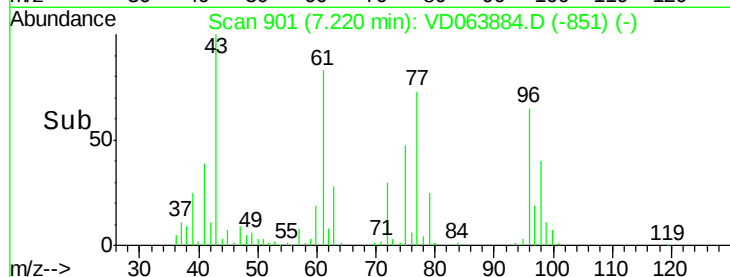
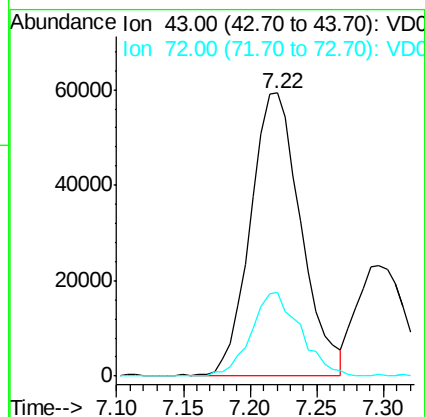
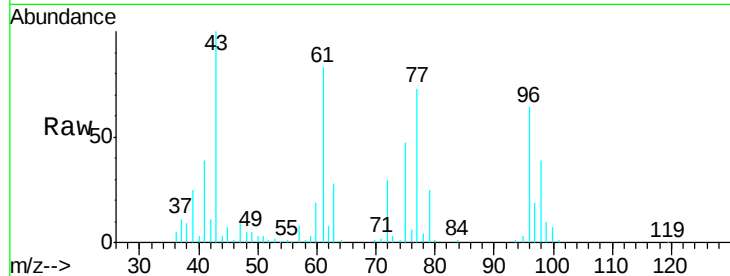
VSTDCCC050

Tgt Ion: 43 Resp: 155975

Ion Ratio Lower Upper

43 100

72 29.5 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 48.946 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063884.D

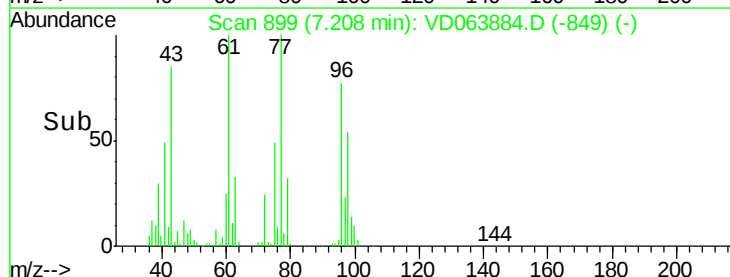
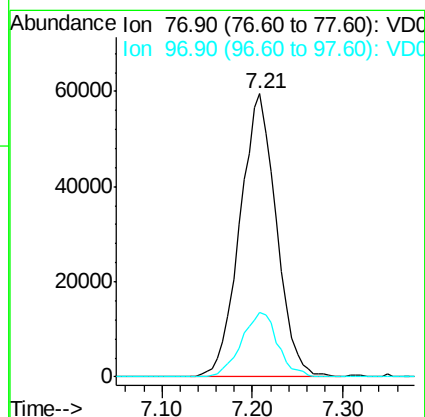
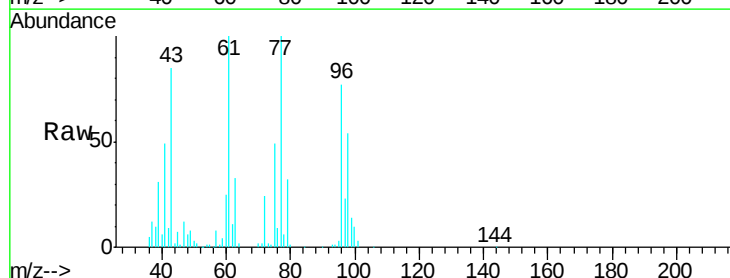
Acq: 04 Oct 2019 11:47

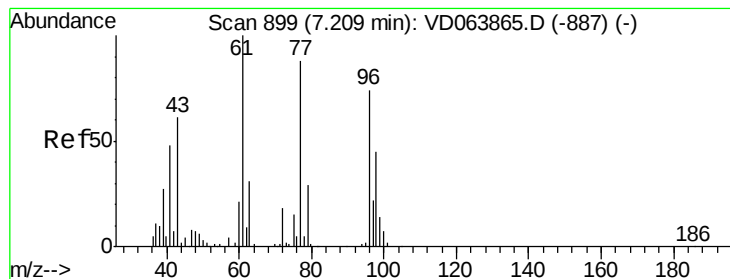
Tgt Ion: 77 Resp: 165392

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1



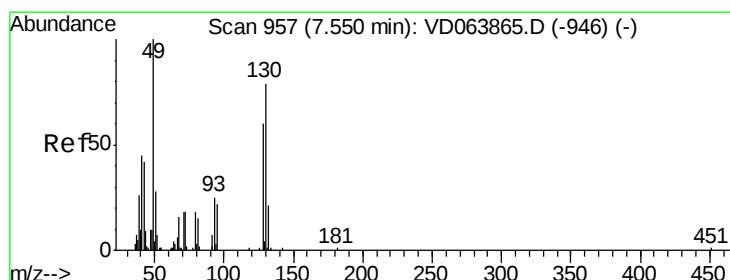
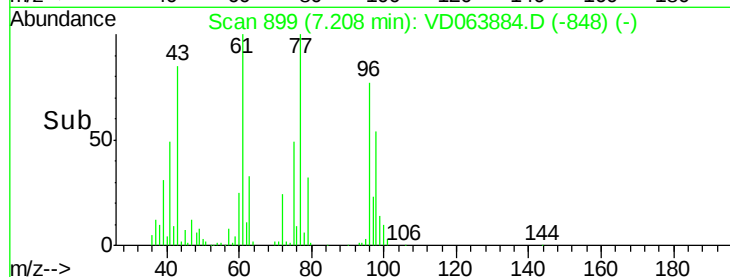
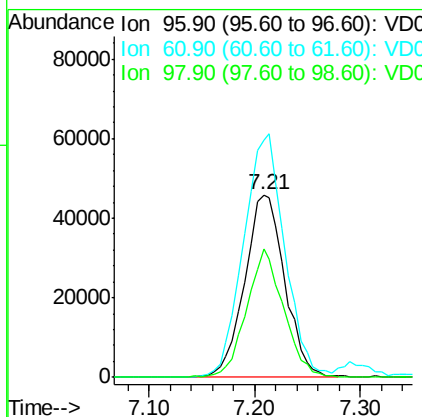
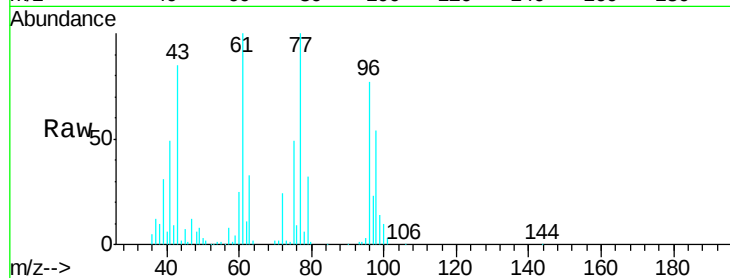


#27

cis-1,2-Dichloroethene
 Concen: 47.975 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

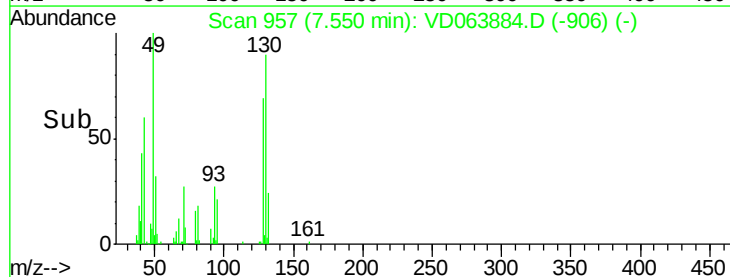
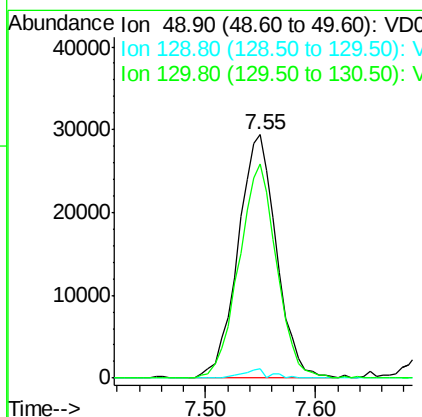
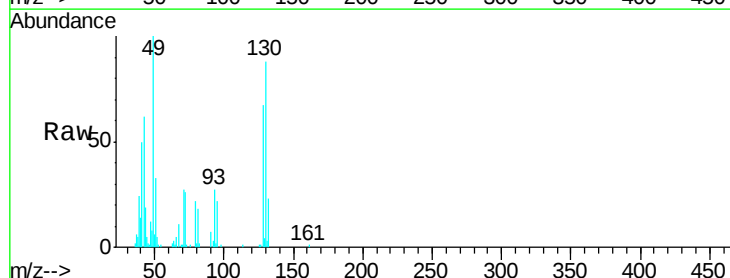
Tgt Ion: 96 Resp: 120734
 Ion Ratio Lower Upper
 96 100
 61 137.4 0.0 280.0
 98 65.1 0.0 130.4

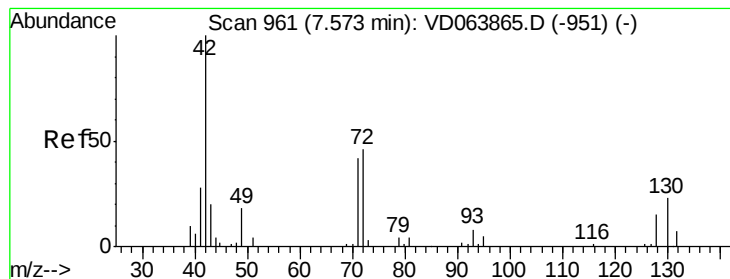


#28

Bromochloromethane
 Concen: 51.240 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 49 Resp: 71716
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.6
 130 86.5 66.8 100.2





#29

Tetrahydrofuran

Concen: 228.587 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

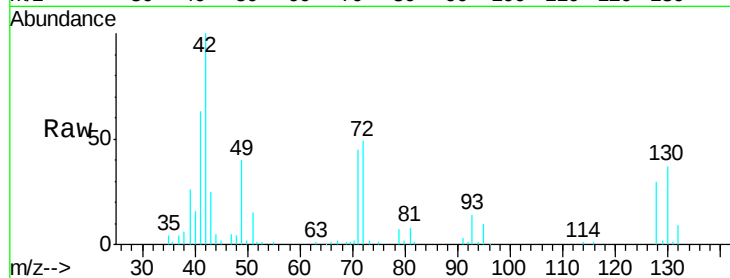
Tgt Ion: 42 Resp: 85413

Ion Ratio Lower Upper

42 100

72 48.1 37.6 56.4

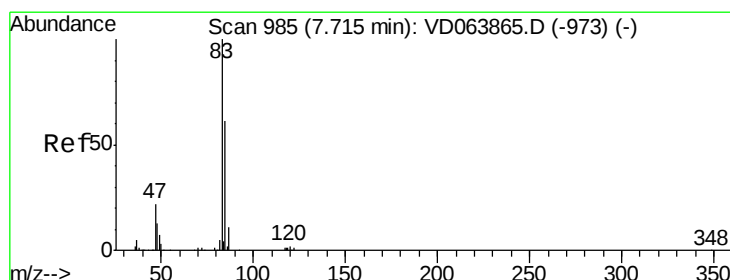
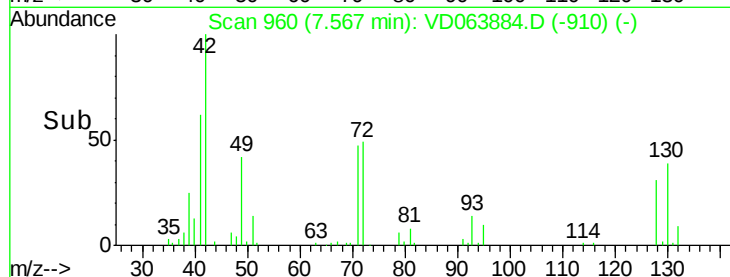
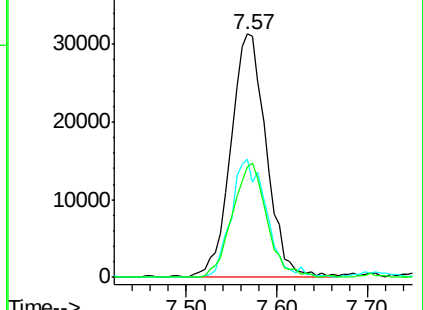
71 45.3 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 47.391 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD063884.D

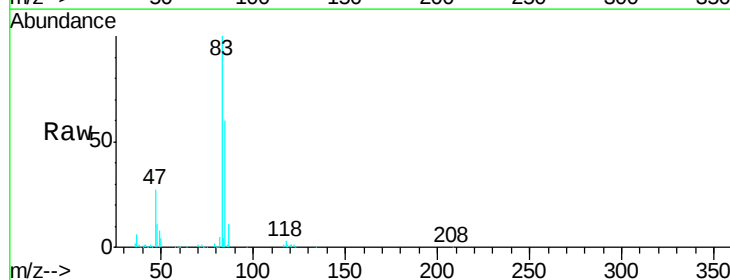
Acq: 04 Oct 2019 11:47

Tgt Ion: 83 Resp: 192275

Ion Ratio Lower Upper

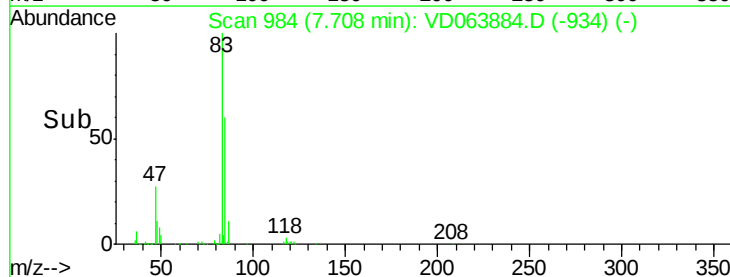
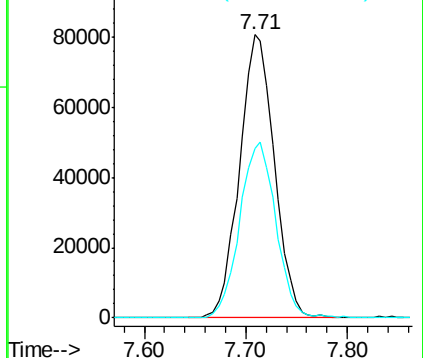
83 100

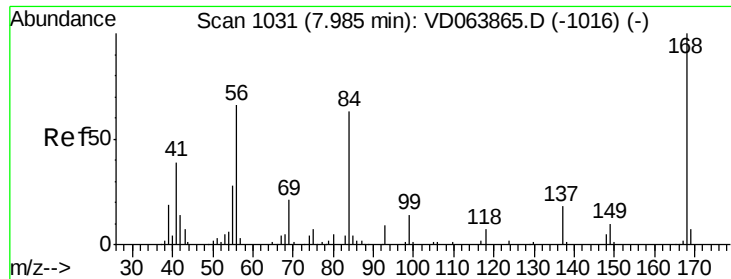
85 60.0 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

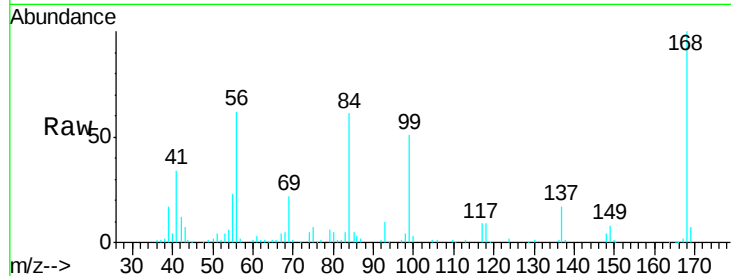




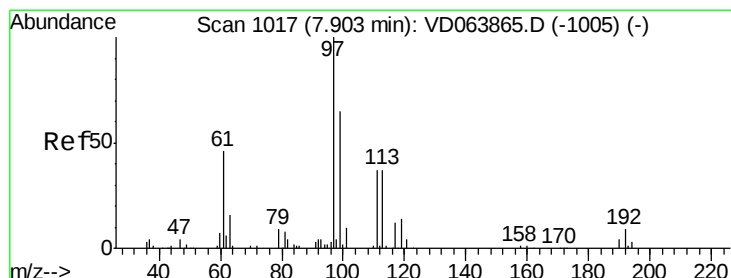
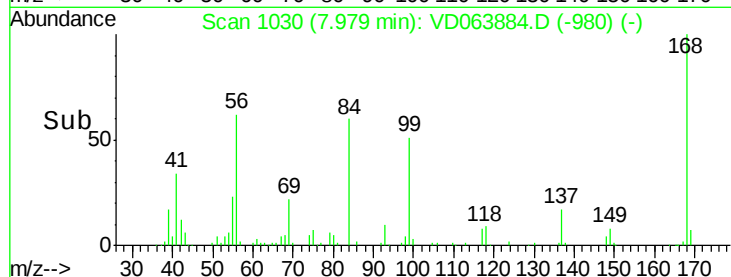
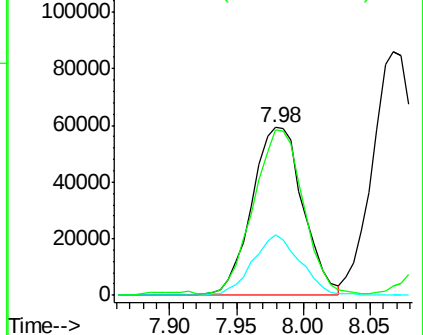
#31
Cyclohexane
Concen: 44.808 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 156943
Ion Ratio Lower Upper
56 100
69 35.8 25.0 37.4
84 96.3 76.3 114.5

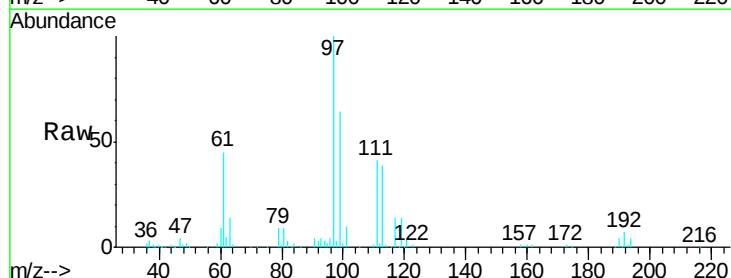


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

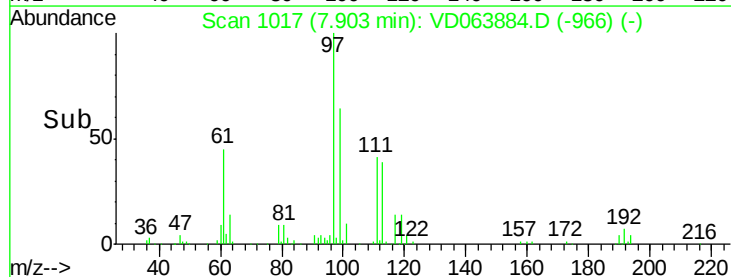
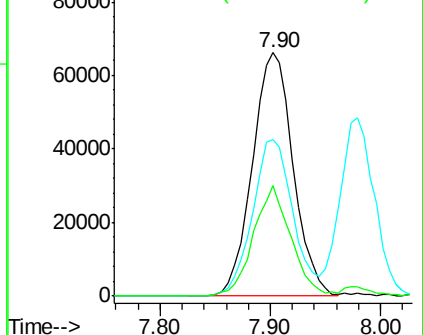


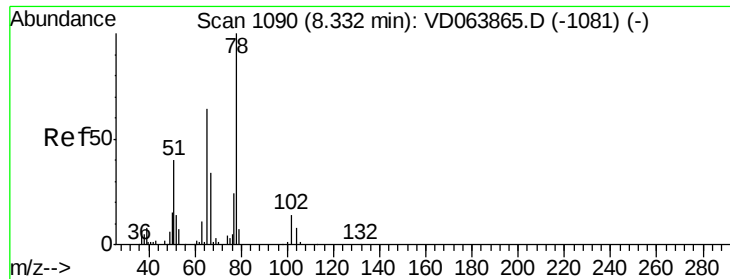
#32
1,1,1-Trichloroethane
Concen: 49.179 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 97 Resp: 171155
Ion Ratio Lower Upper
97 100
99 63.8 52.4 78.6
61 41.5 33.8 50.8



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

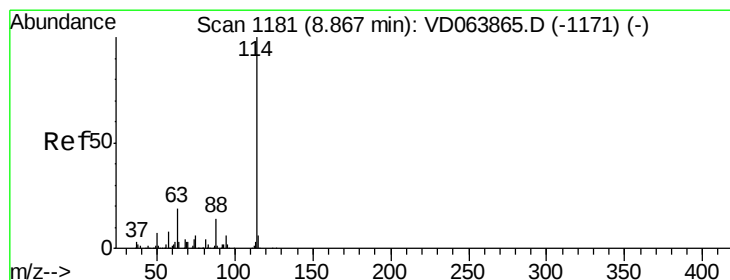
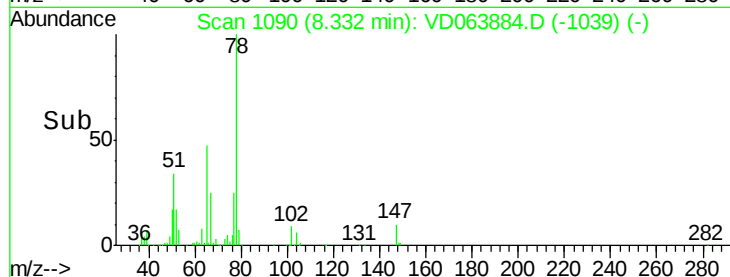
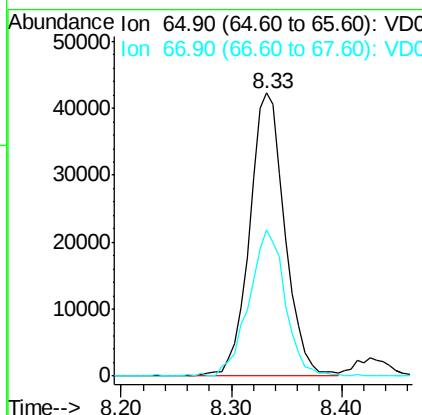
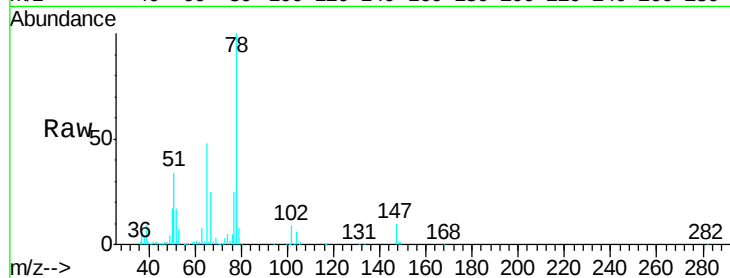




#33
 1,2-Dichloroethane-d4
 Concen: 45.550 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

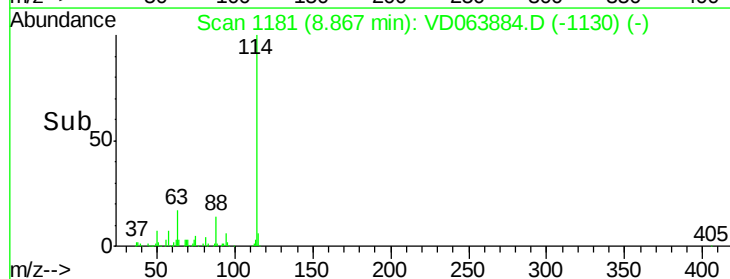
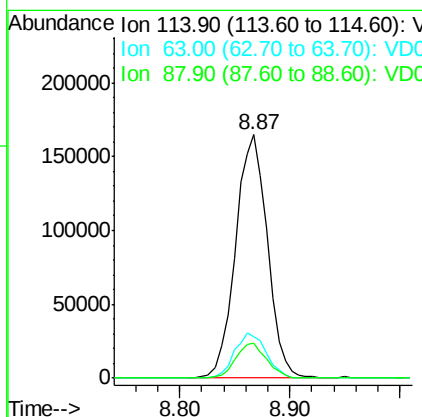
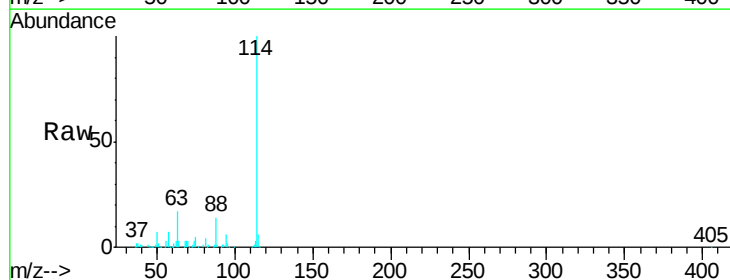
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

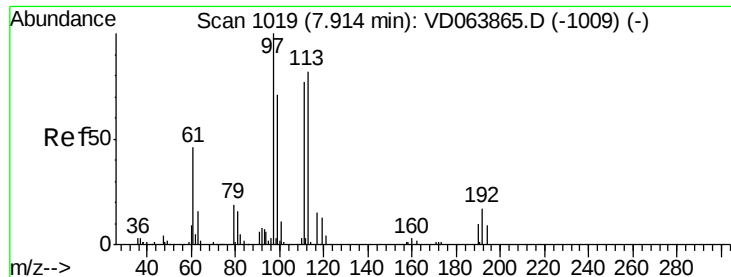
Tgt Ion: 65 Resp: 94506
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 114 Resp: 333323
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 38.4
 88 14.4 0.0 27.4

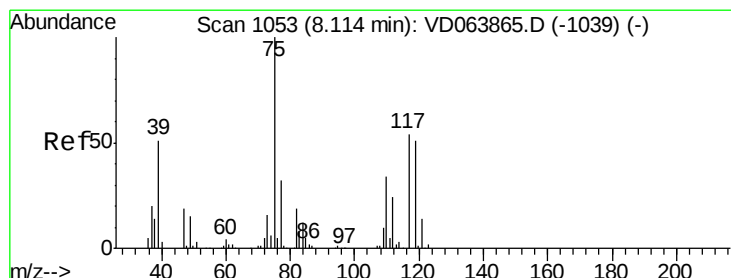
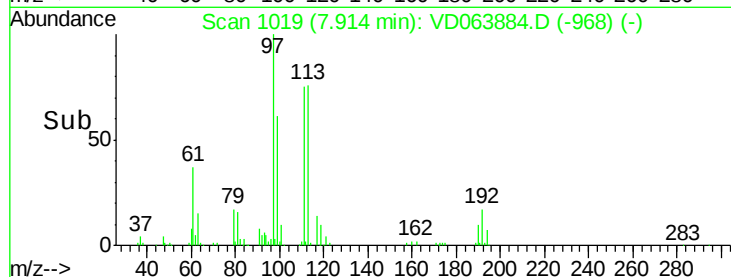
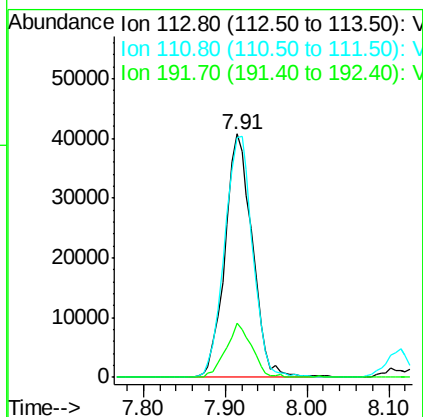
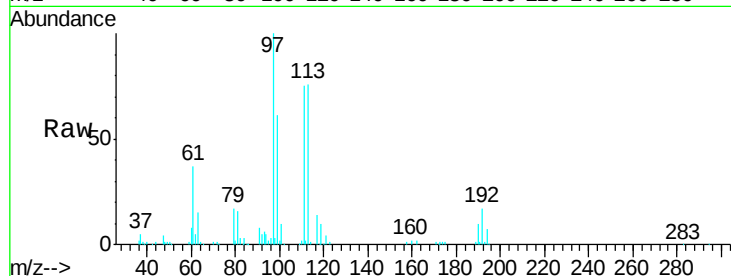




#35
 Dibromofluoromethane
 Concen: 46.493 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

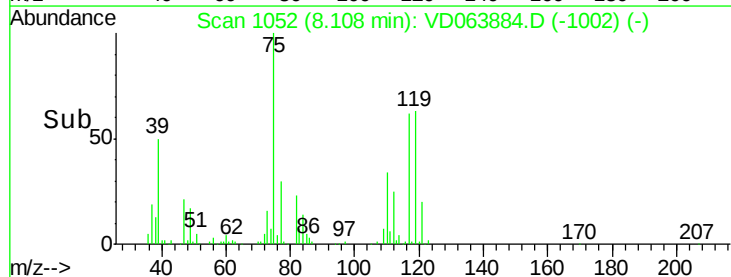
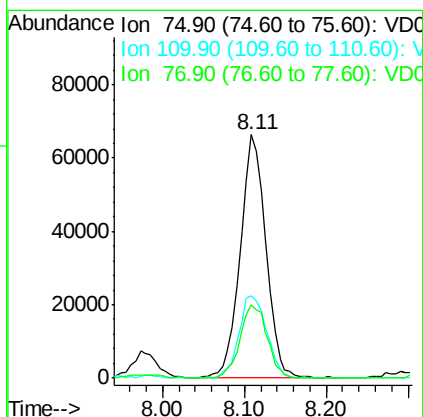
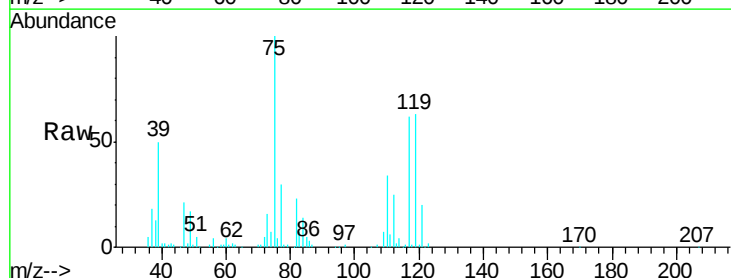
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

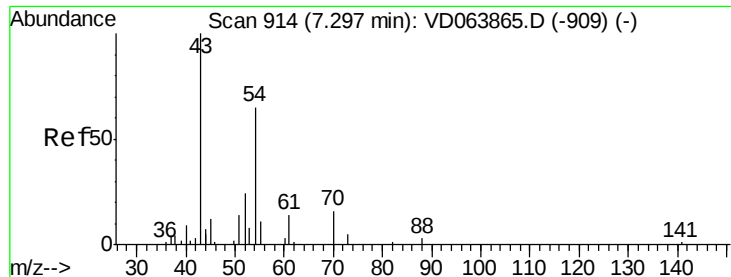
Tgt Ion:113 Resp: 94708
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 20.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 47.798 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 75 Resp: 145673
 Ion Ratio Lower Upper
 75 100
 110 36.7 17.4 52.3
 77 32.0 25.4 38.0





#37

Ethyl Acetate

Concen: 44.816 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

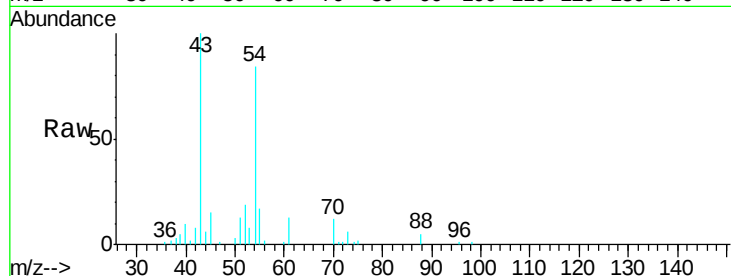
Tgt Ion: 43 Resp: 61985

Ion Ratio Lower Upper

43 100

61 12.3 11.5 17.3

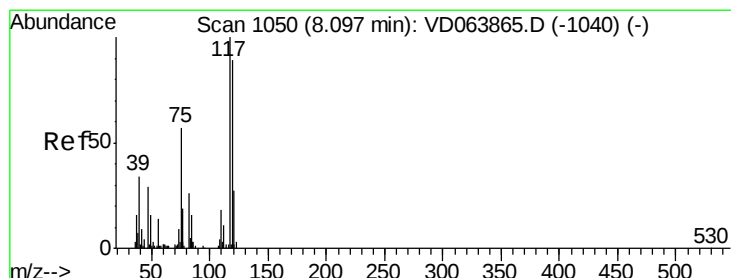
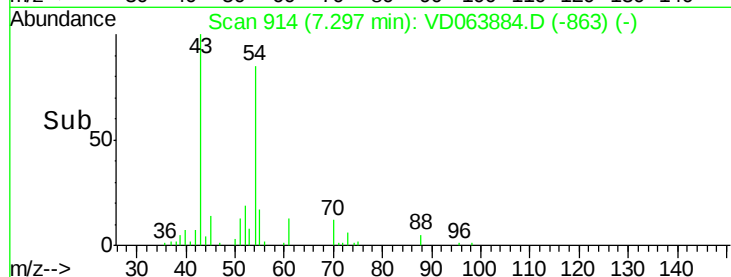
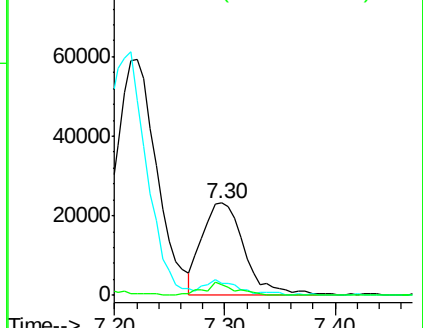
70 10.0 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 48.878 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

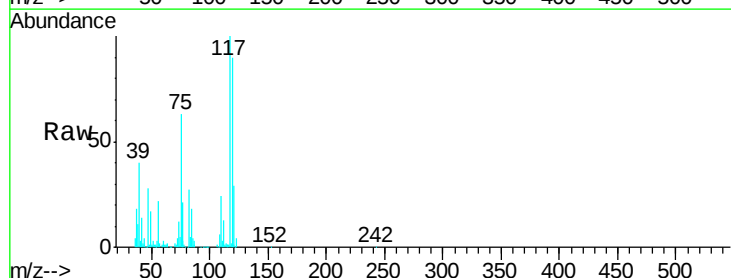
Tgt Ion: 117 Resp: 150533

Ion Ratio Lower Upper

117 100

119 90.2 70.8 106.2

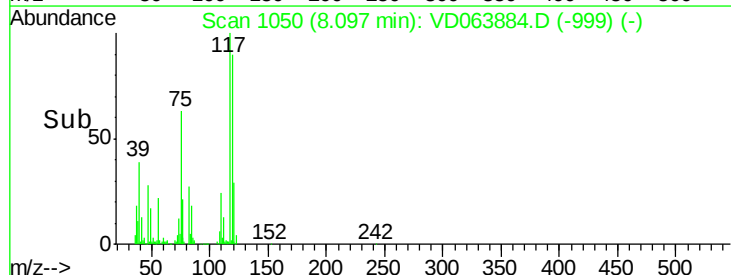
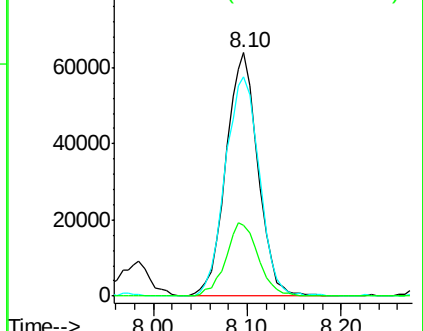
121 29.2 21.4 32.0

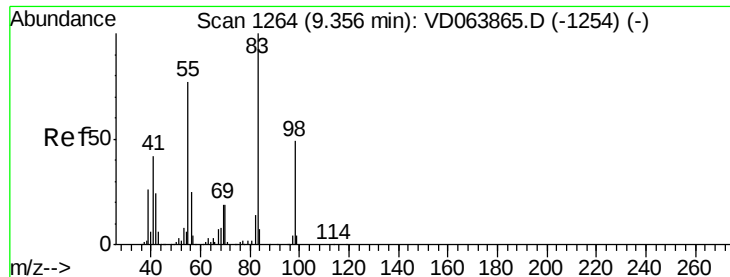


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

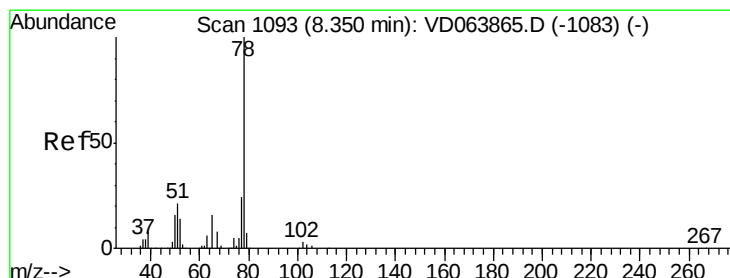
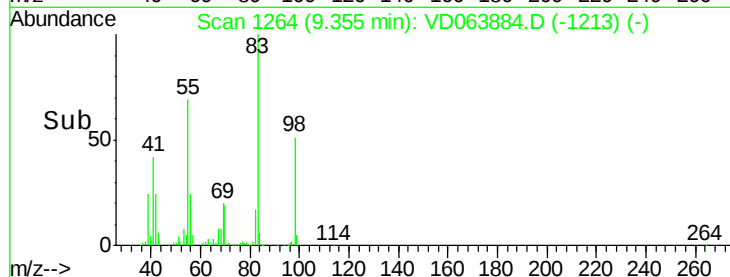
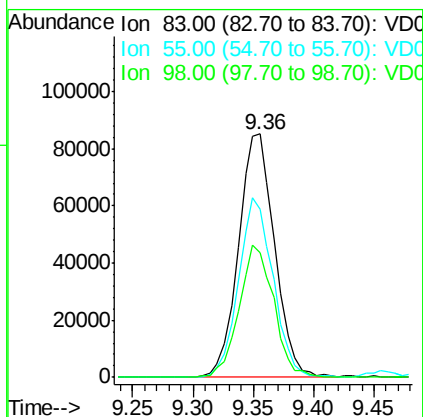
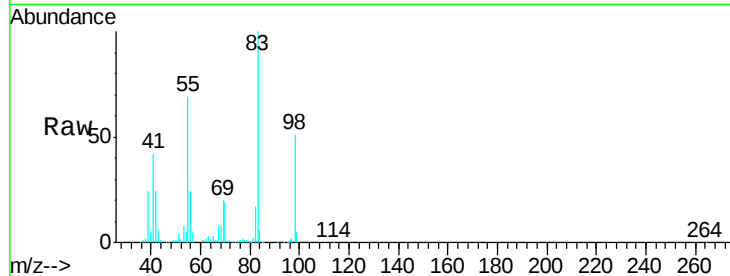




#39
Methylcyclohexane
Concen: 47.409 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

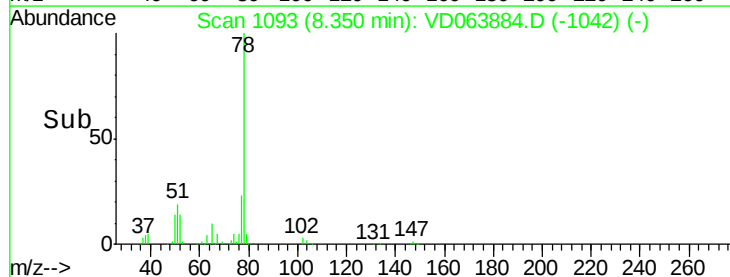
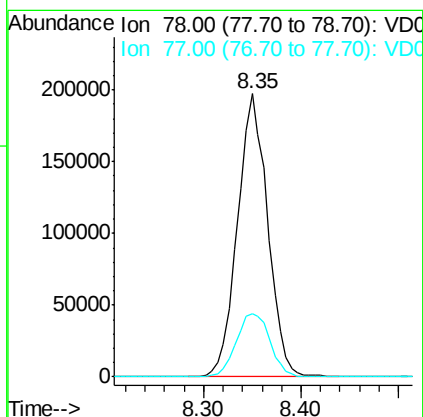
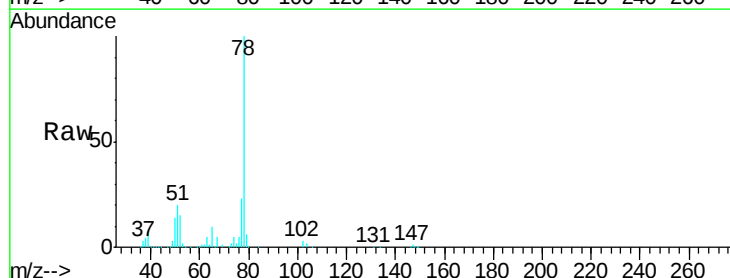
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

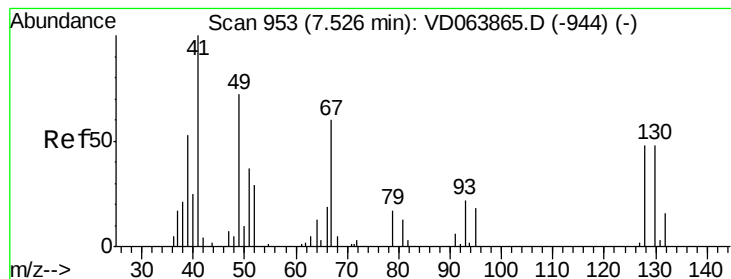
Tgt Ion: 83 Resp: 177652
Ion Ratio Lower Upper
83 100
55 69.2 61.3 91.9
98 51.4 39.3 58.9



#40
Benzene
Concen: 48.591 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 78 Resp: 424377
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.6





#41

Methacrylonitrile

Concen: 122.370 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 86465

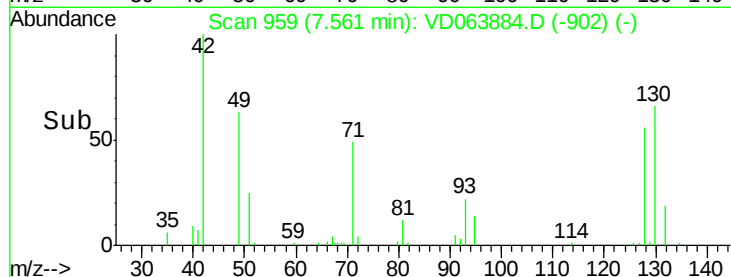
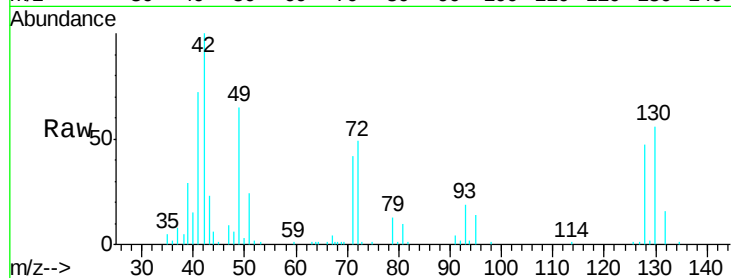
Ion Ratio Lower Upper

41 100

39 0.0 52.6 78.8#

67 0.0 74.2 111.2#

52 0.0 34.0 51.0#

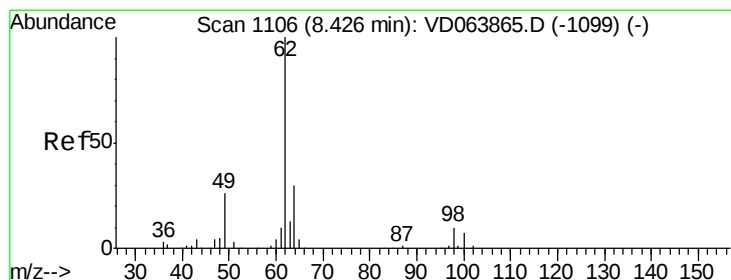
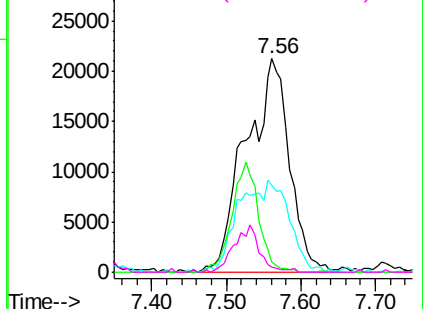


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 47.031 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063884.D

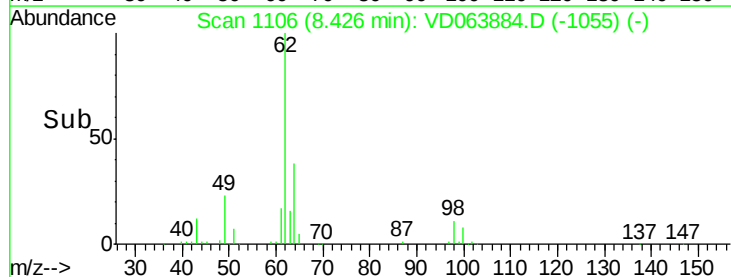
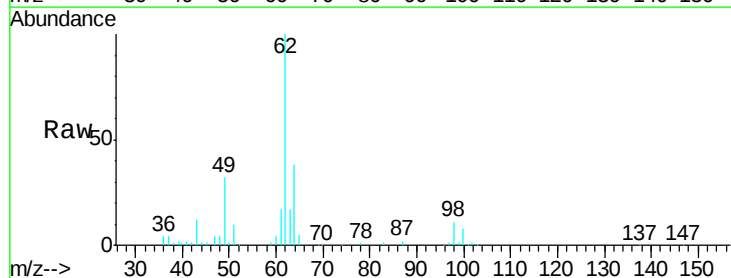
Acq: 04 Oct 2019 11:47

Tgt Ion: 62 Resp: 118817

Ion Ratio Lower Upper

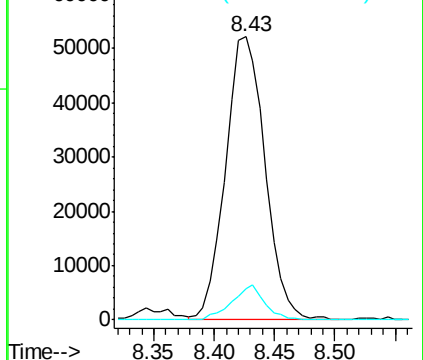
62 100

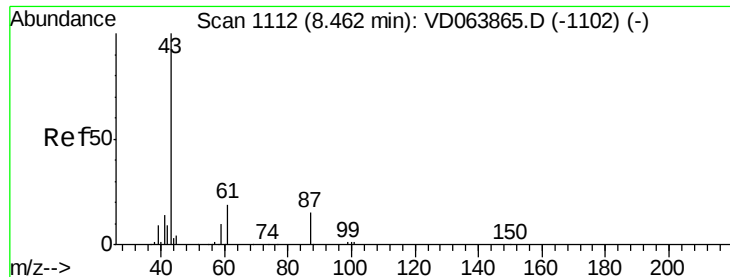
98 10.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.165 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

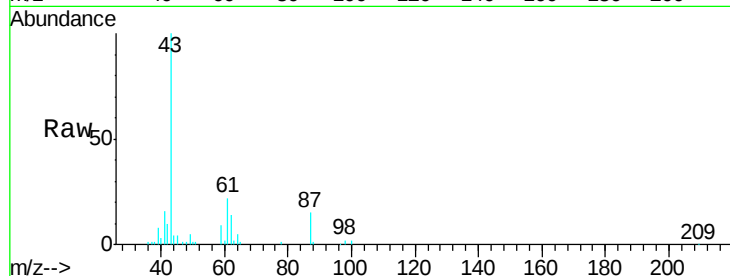
Tgt Ion: 43 Resp: 120548

Ion Ratio Lower Upper

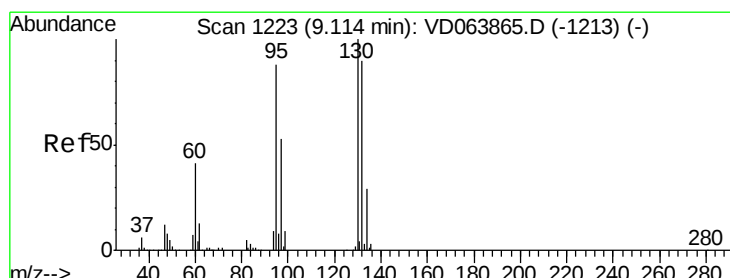
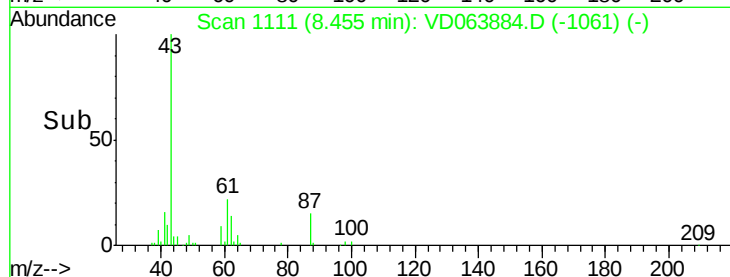
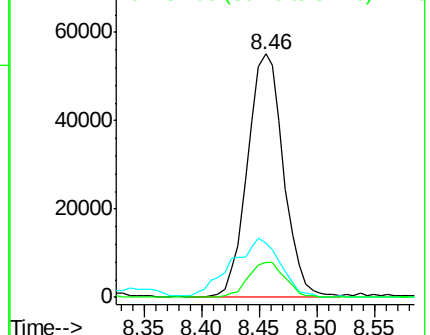
43 100

61 32.9 25.7 38.5

87 14.8 11.6 17.4



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



#44

Trichloroethene

Concen: 49.928 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063884.D

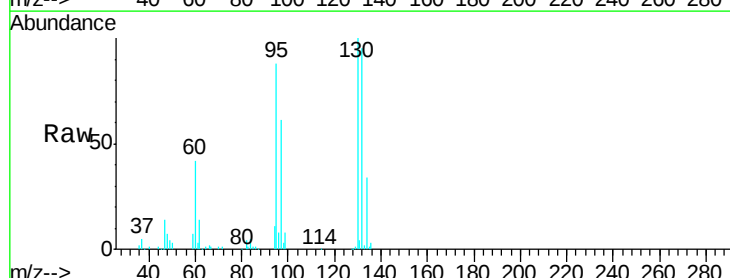
Acq: 04 Oct 2019 11:47

Tgt Ion: 130 Resp: 125741

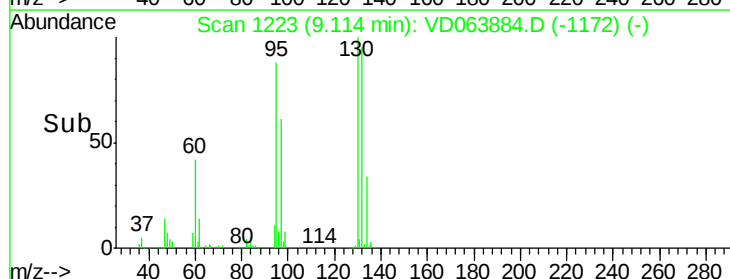
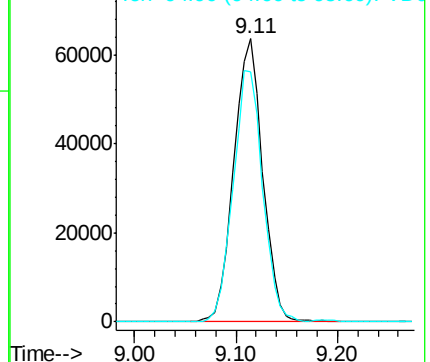
Ion Ratio Lower Upper

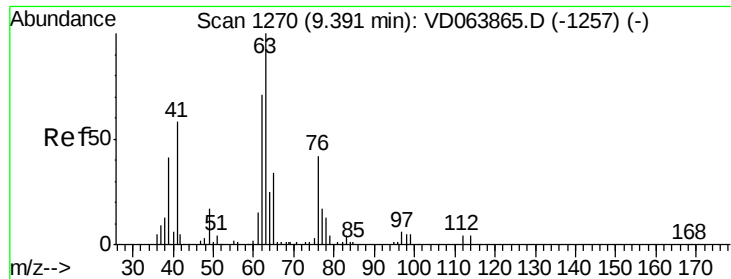
130 100

95 88.2 0.0 175.6



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

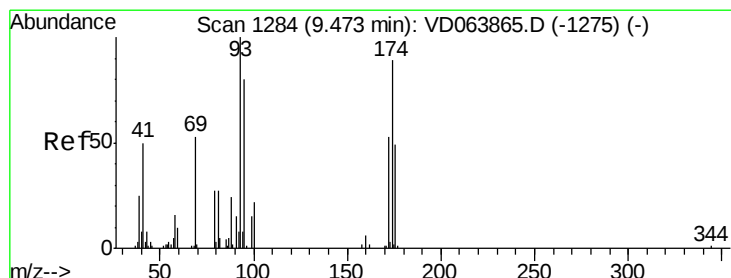
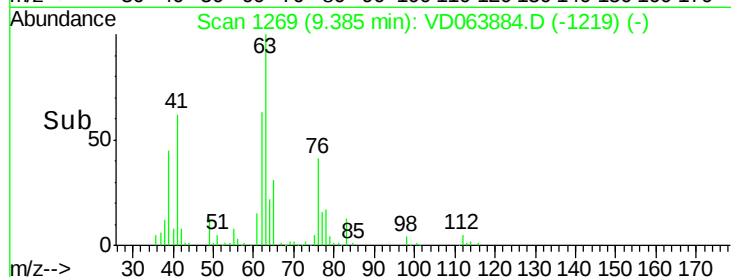
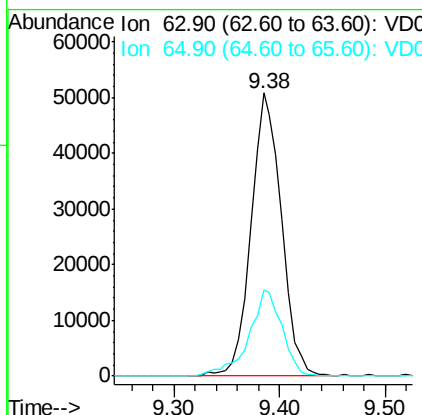
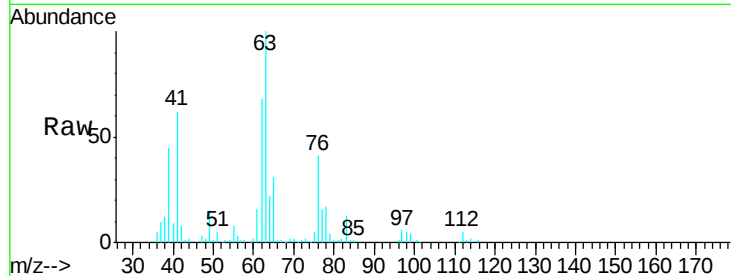




#45
 1,2-Dichloropropane
 Concen: 47.528 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

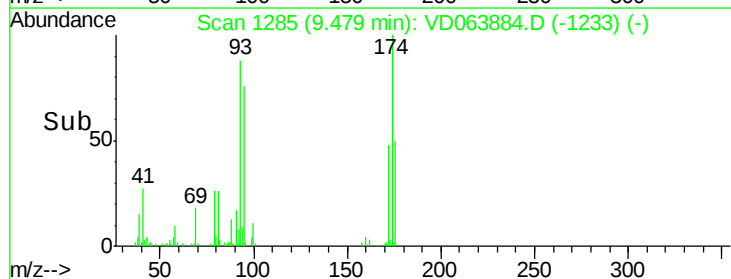
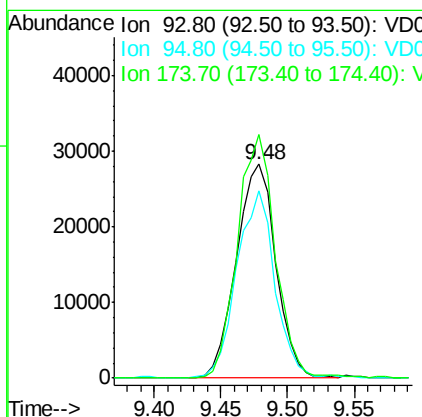
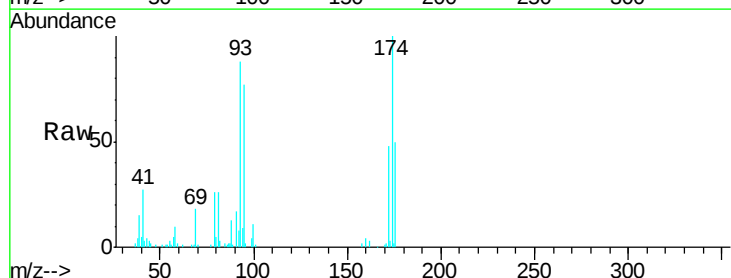
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

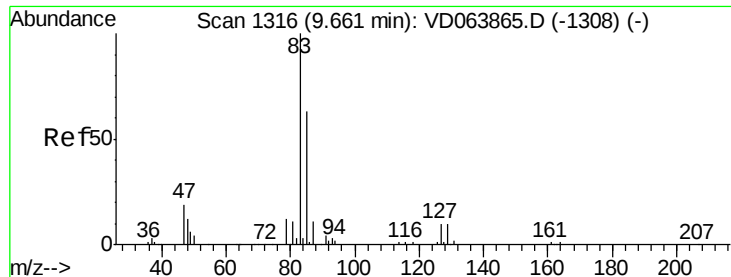
Tgt Ion: 63 Resp: 101601
 Ion Ratio Lower Upper
 63 100
 65 30.6 27.3 40.9



#46
 Dibromomethane
 Concen: 47.711 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 93 Resp: 58086
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.0 99.0
 174 108.2 83.4 125.0





#47

Bromodichloromethane

Concen: 48.457 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

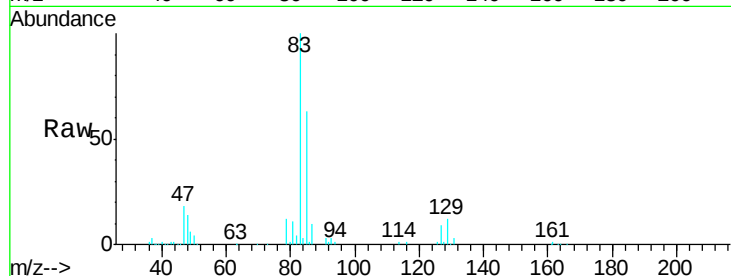
Tgt Ion: 83 Resp: 151888

Ion Ratio Lower Upper

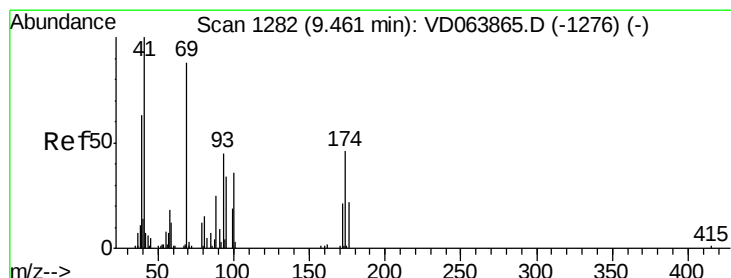
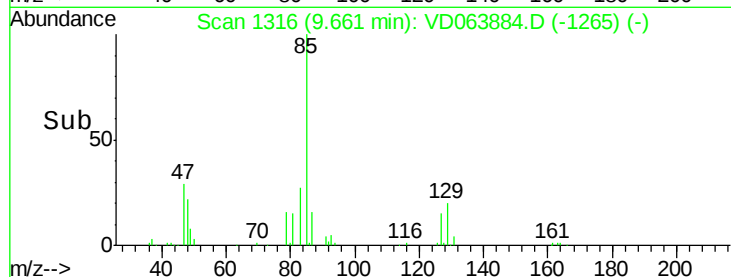
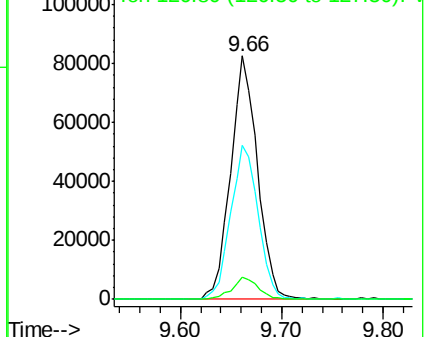
83 100

85 63.3 50.2 75.2

127 9.3 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: 44.281 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

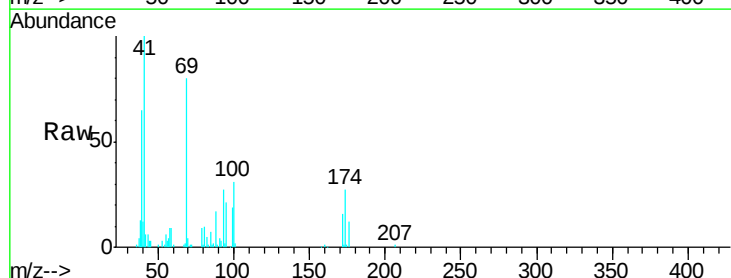
Tgt Ion: 41 Resp: 54226

Ion Ratio Lower Upper

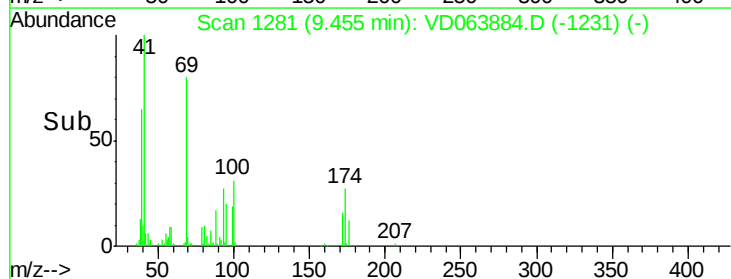
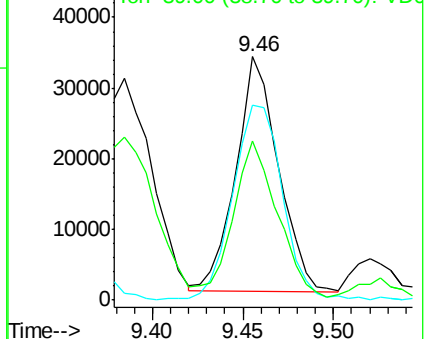
41 100

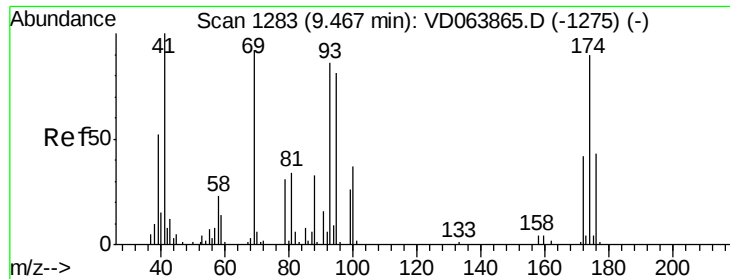
69 97.7 75.1 112.7

39 71.4 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

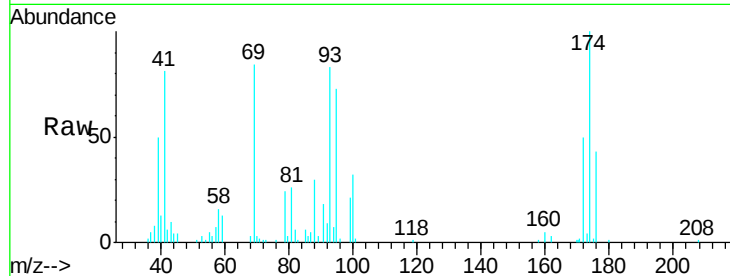




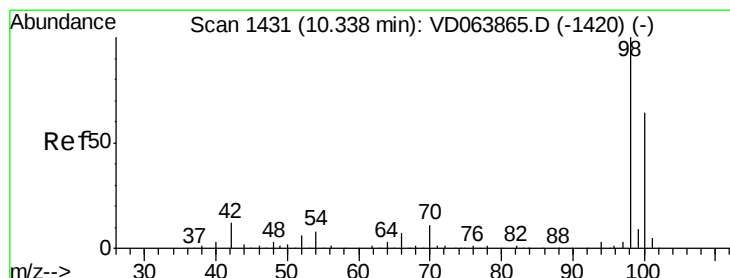
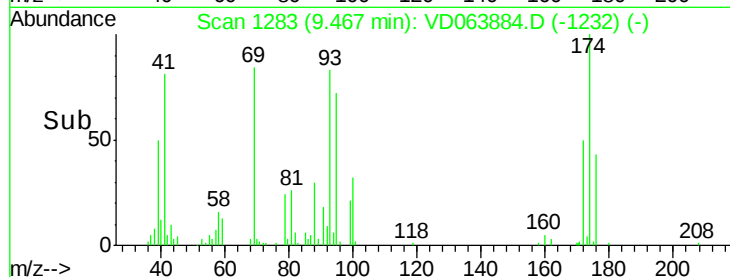
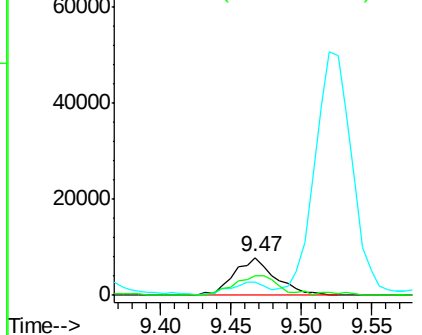
#49
1,4-Dioxane
Concen: 961.665 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 15981
Ion Ratio Lower Upper
88 100
43 29.1 27.6 41.4
58 57.7 54.1 81.1

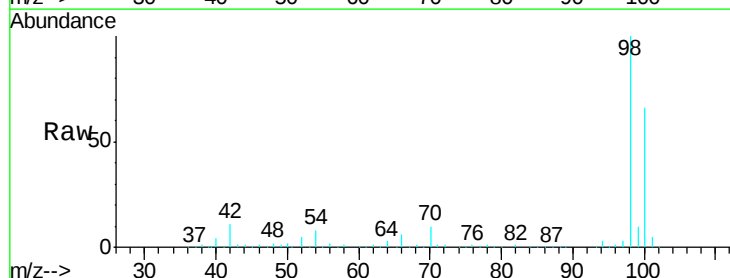


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

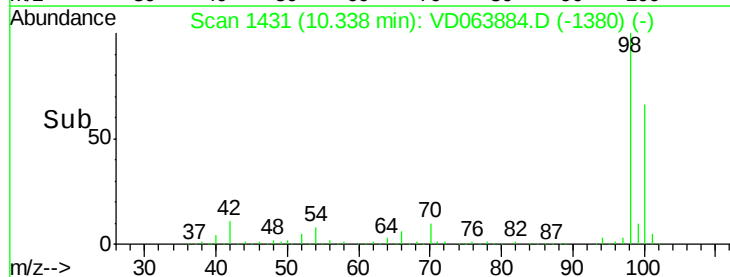
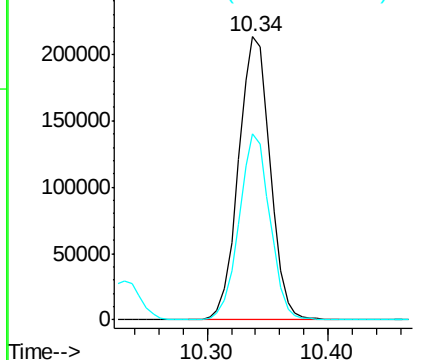


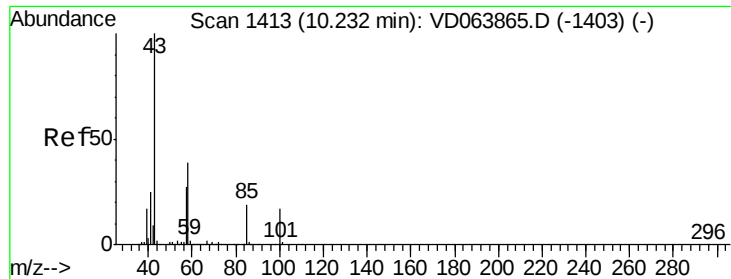
#50
Toluene-d8
Concen: 47.134 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 98 Resp: 389705
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



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

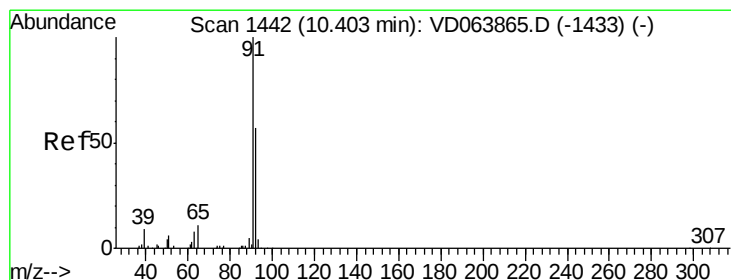
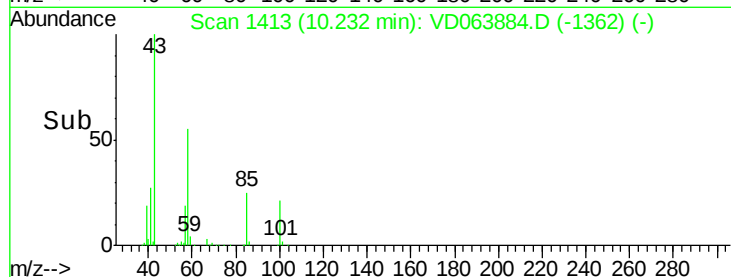
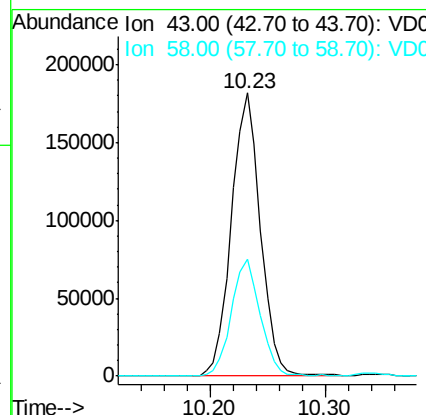
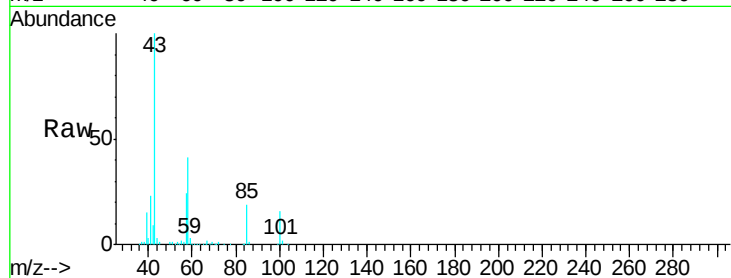




#51
 4-Methyl-2-Pentanone
 Concen: 238.946 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

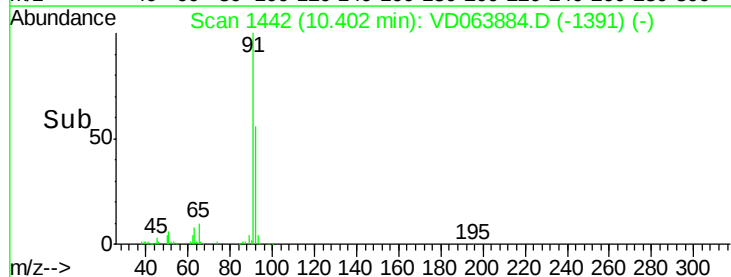
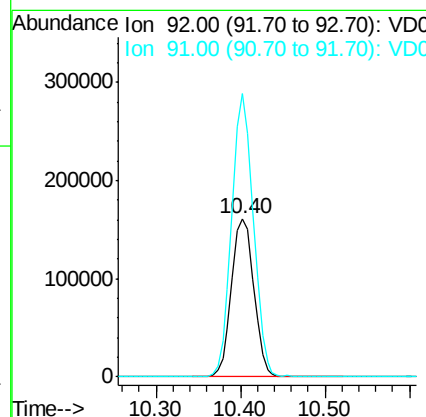
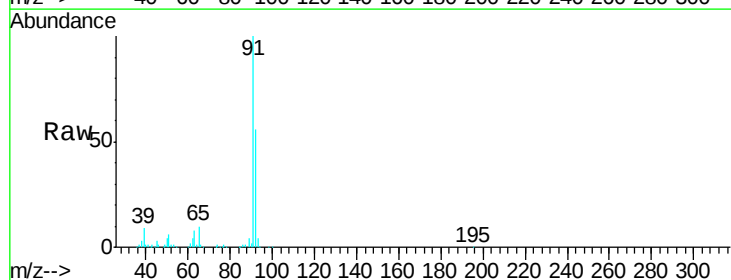
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 316730
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.0 49.4



#52
 Toluene
 Concen: 49.191 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 92 Resp: 294925
 Ion Ratio Lower Upper
 92 100
 91 172.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 49.052 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

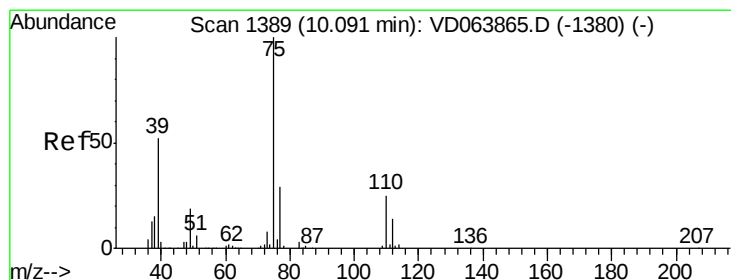
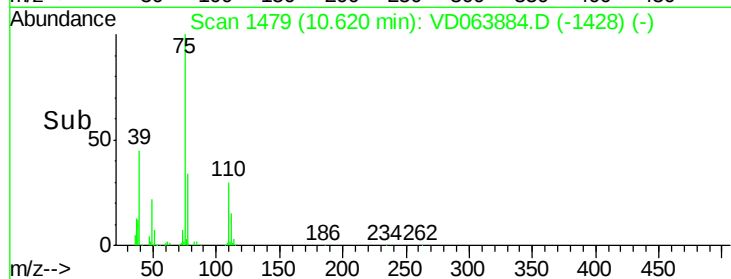
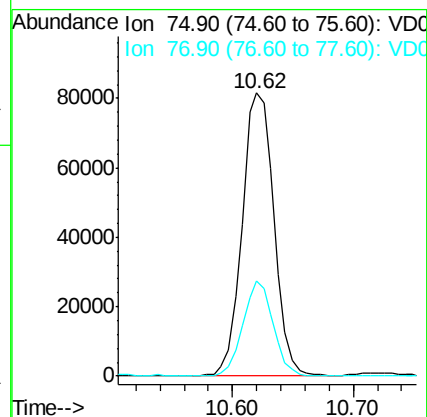
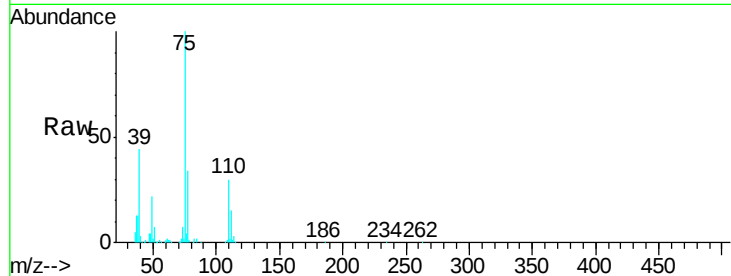
VSTDCCC050

Tgt Ion: 75 Resp: 150033

Ion Ratio Lower Upper

75 100

77 33.6 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 50.512 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

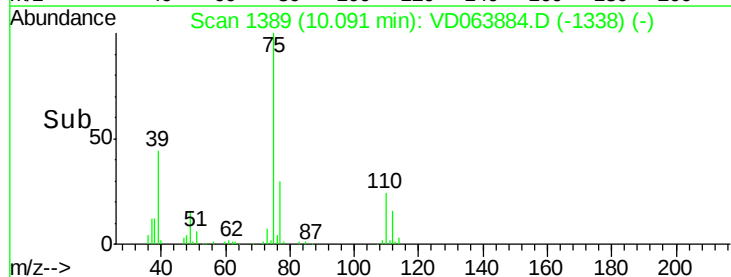
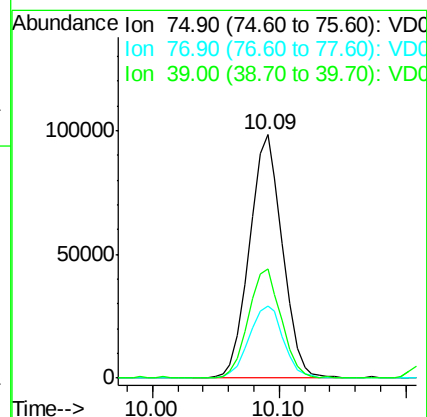
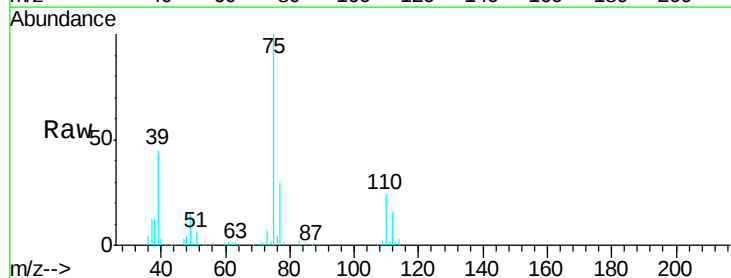
Tgt Ion: 75 Resp: 177846

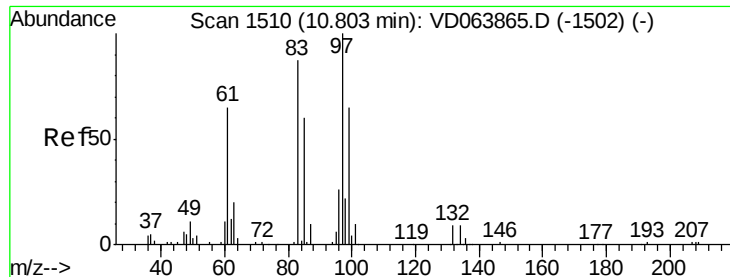
Ion Ratio Lower Upper

75 100

77 29.8 23.2 34.8

39 44.8 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 47.500 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 81652

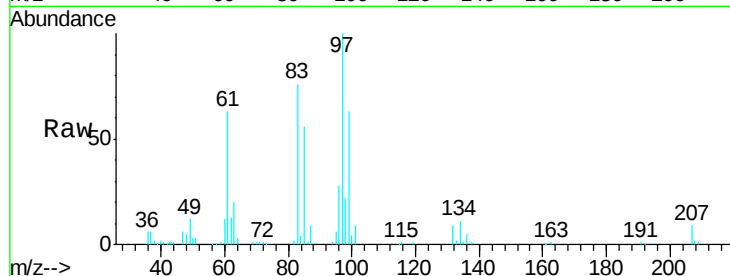
Ion Ratio Lower Upper

97 100

83 76.2 69.7 104.5

85 55.2 48.1 72.1

99 63.0 51.9 77.9

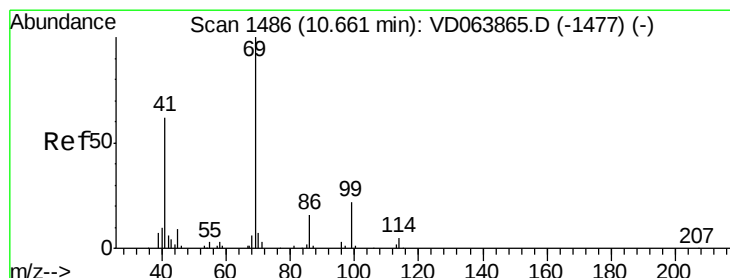
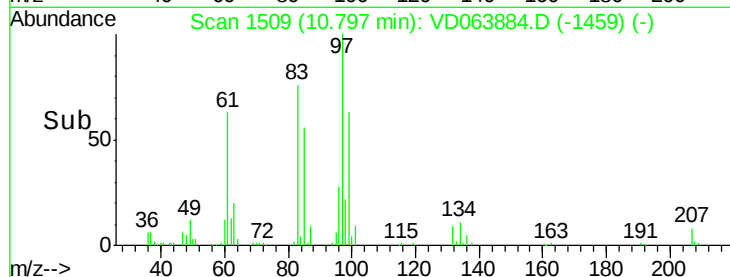
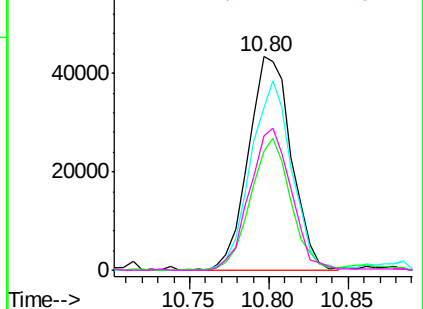


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.312 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

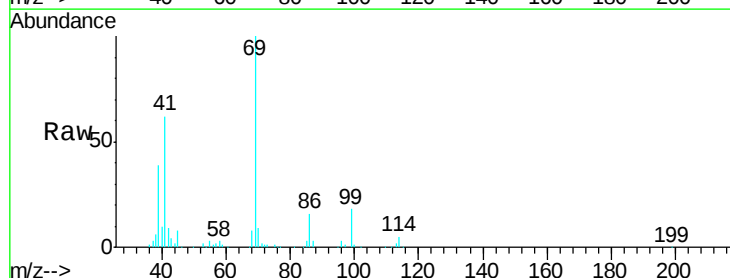
Tgt Ion: 69 Resp: 105168

Ion Ratio Lower Upper

69 100

41 61.9 51.3 76.9

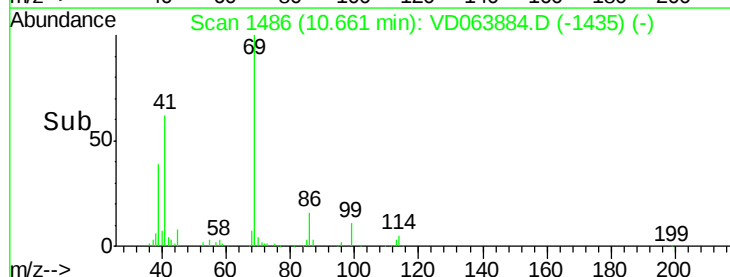
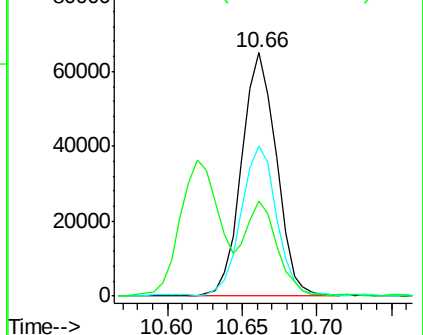
39 35.7 28.0 42.0

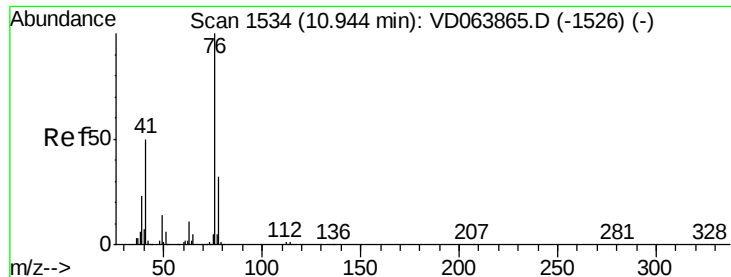


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

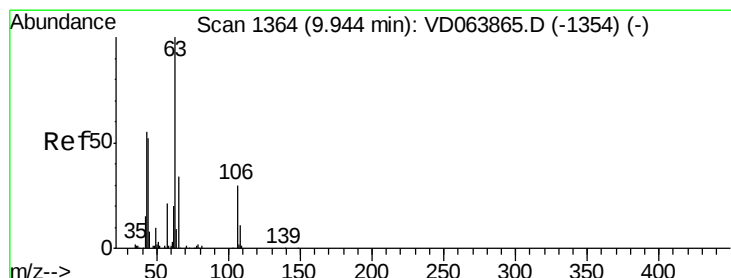
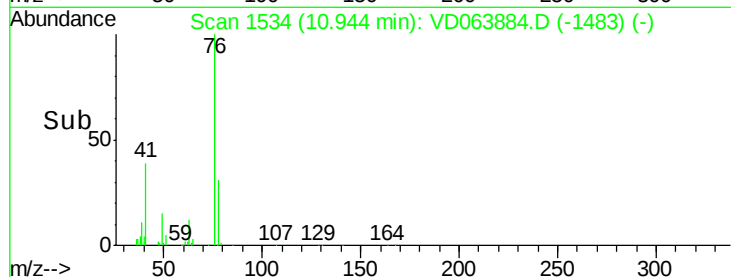
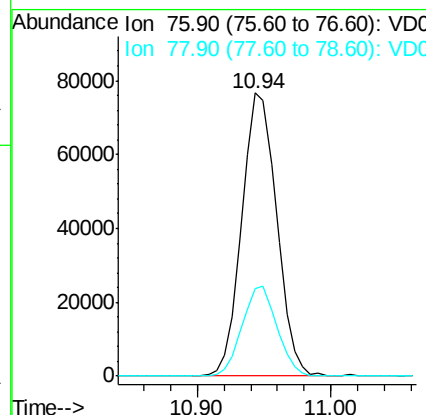
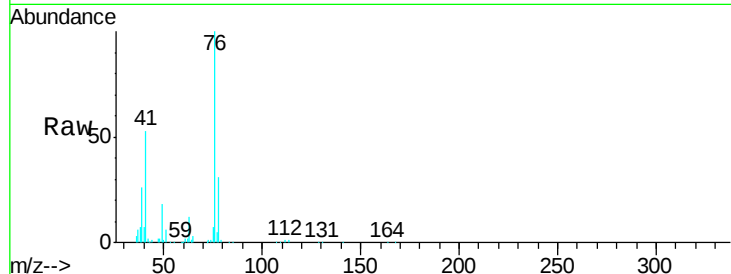




#57
 1,3-Dichloropropane
 Concen: 47.271 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

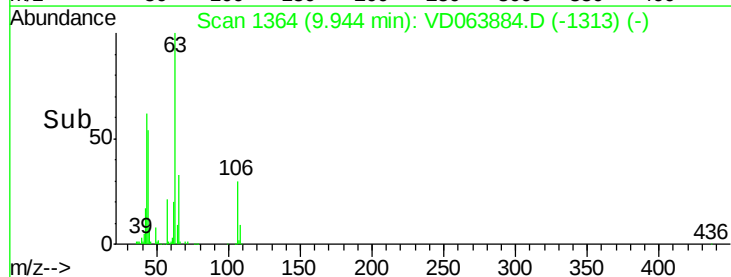
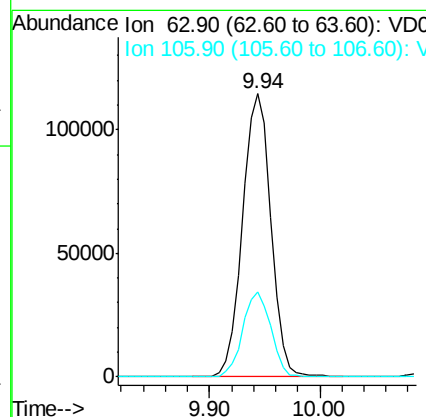
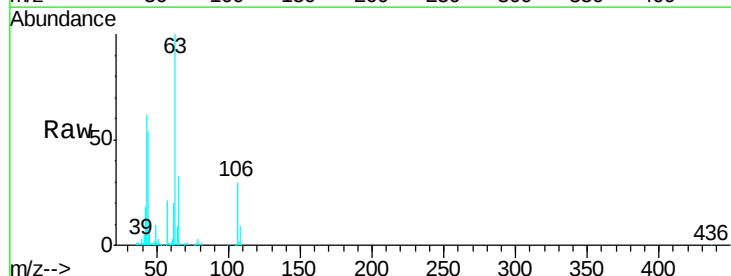
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

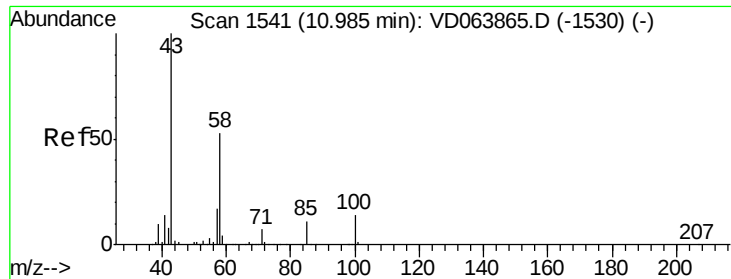
Tgt Ion: 76 Resp: 139030
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.686 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 63 Resp: 207429
 Ion Ratio Lower Upper
 63 100
 106 29.6 24.3 36.5

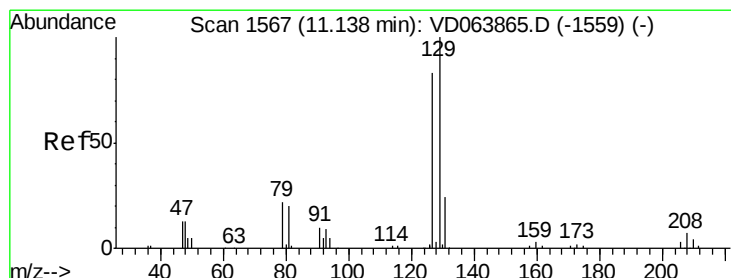
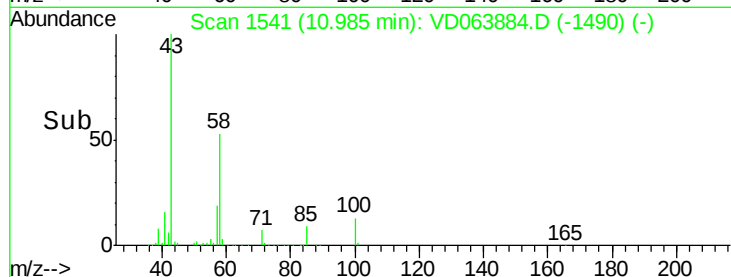
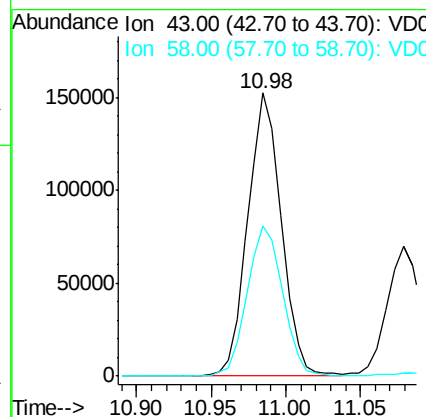
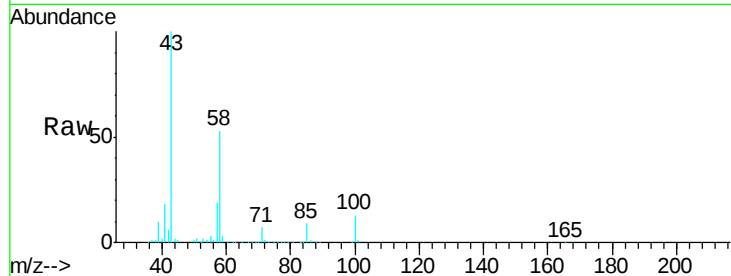




#59
2-Hexanone
Concen: 247.865 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

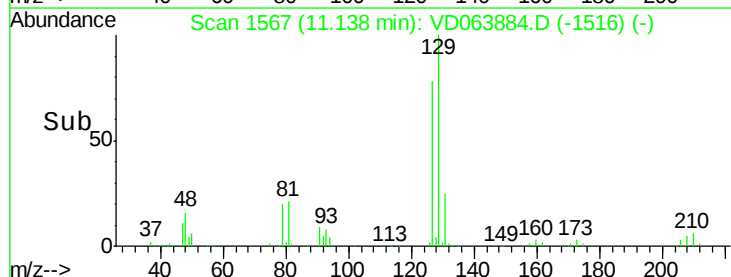
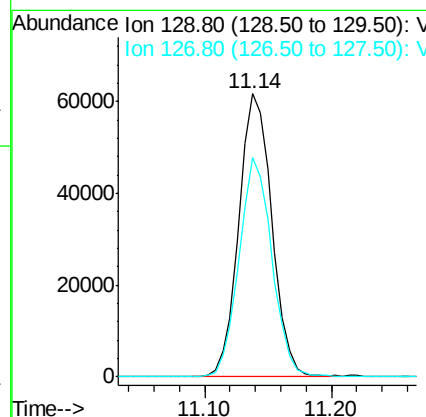
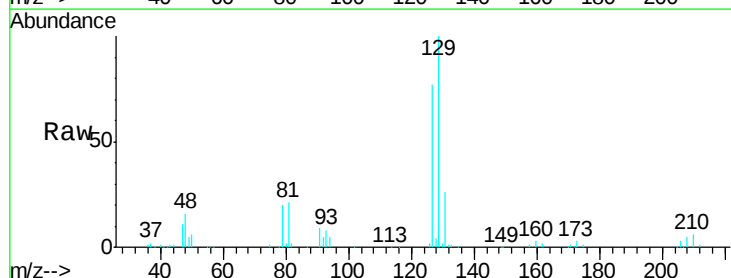
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

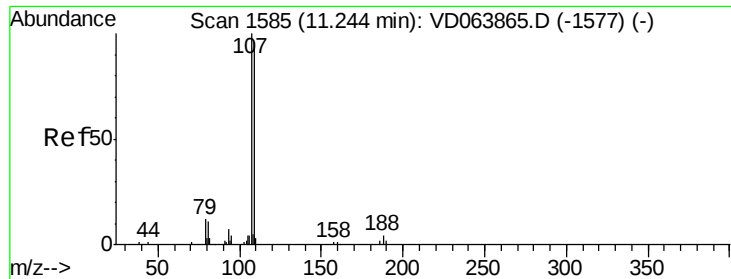
Tgt Ion: 43 Resp: 237666
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.0



#60
Dibromochloromethane
Concen: 49.670 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 129 Resp: 111158
Ion Ratio Lower Upper
129 100
127 77.1 39.9 119.6





#61

1,2-Dibromoethane

Concen: 51.025 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

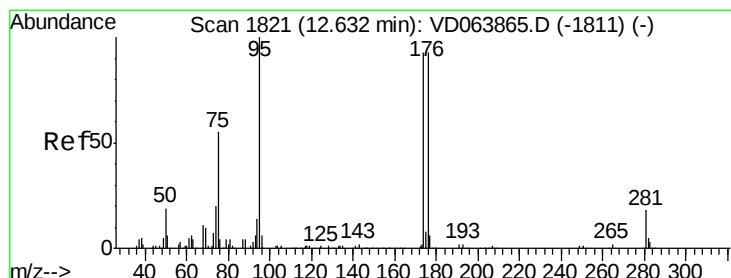
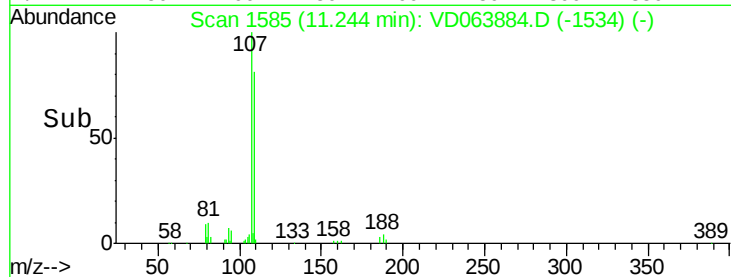
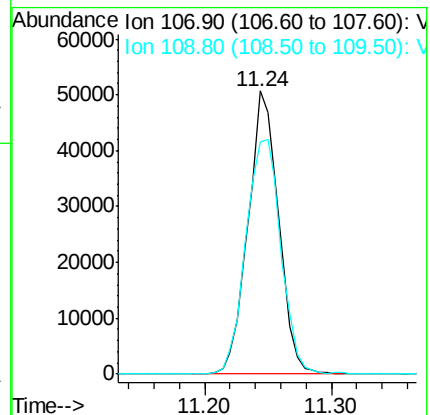
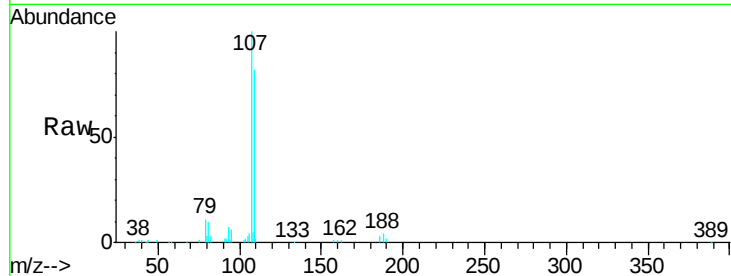
VSTDCCC050

Tgt Ion: 107 Resp: 85032

Ion Ratio Lower Upper

107 100

109 94.7 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 44.684 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

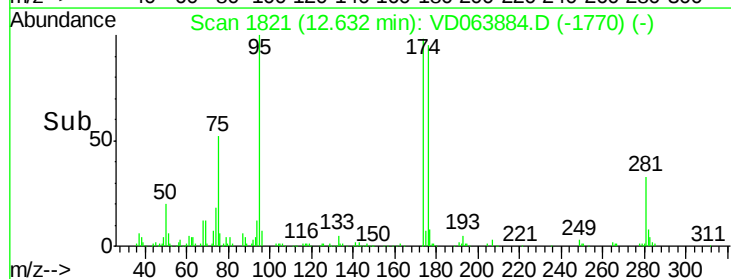
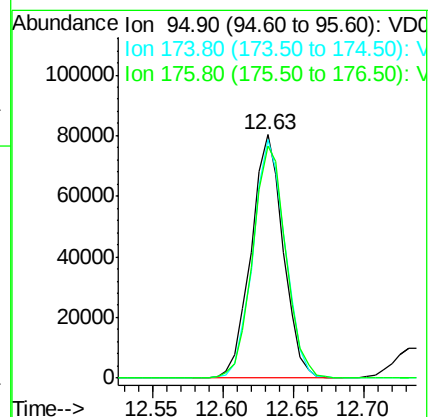
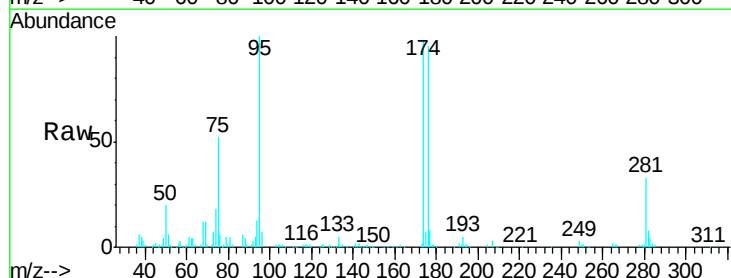
Tgt Ion: 95 Resp: 128382

Ion Ratio Lower Upper

95 100

174 98.2 0.0 186.4

176 98.2 0.0 184.2

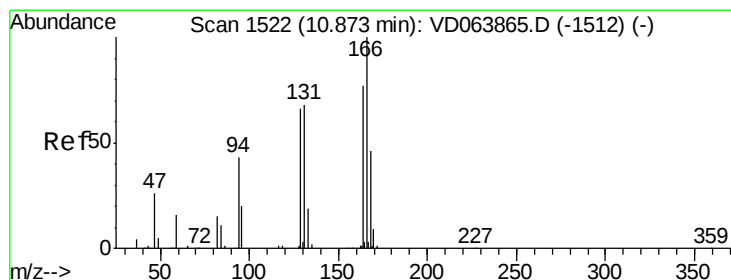
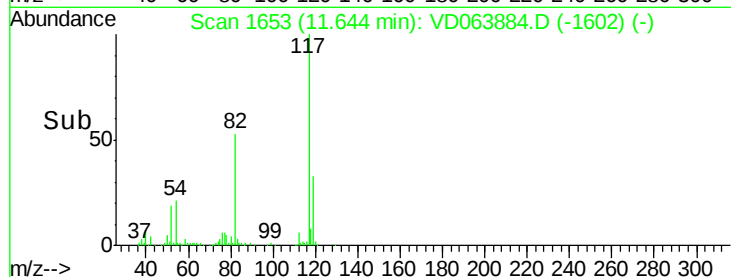
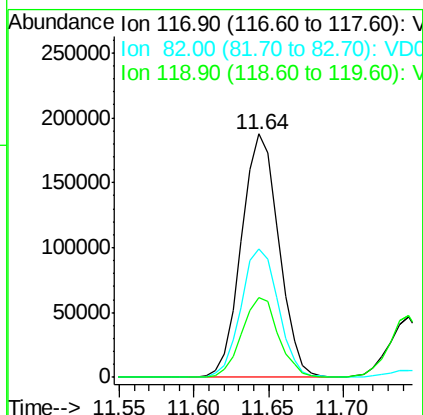
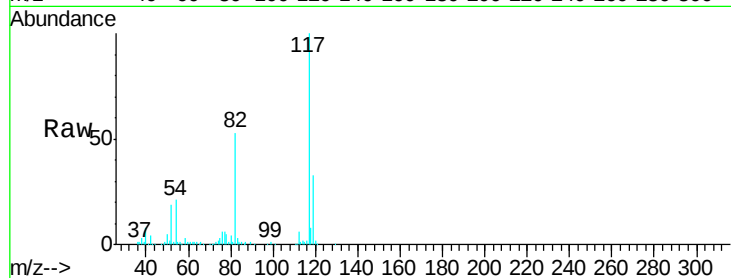




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

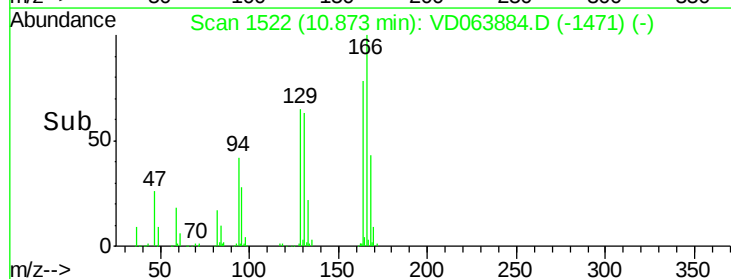
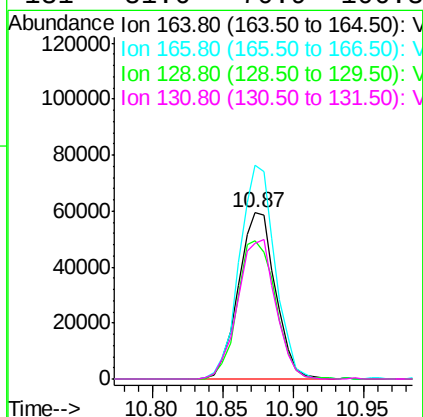
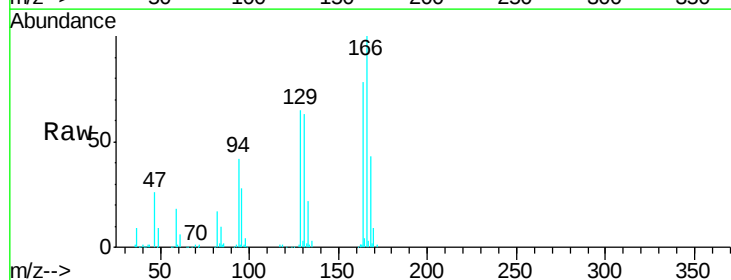
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

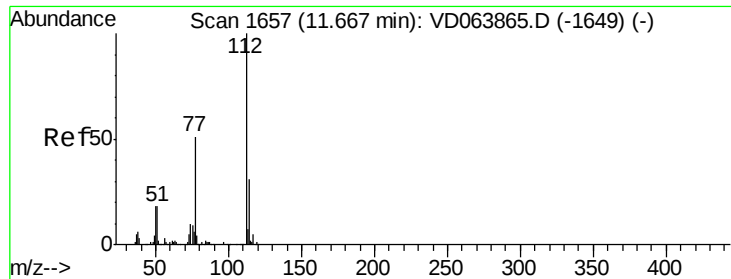
Tgt Ion:117 Resp: 325450
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.6 24.4 36.6



#64
Tetrachloroethene
Concen: 49.199 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion:164 Resp: 109310
Ion Ratio Lower Upper
164 100
166 128.6 103.8 155.6
129 83.3 68.9 103.3
131 81.6 70.9 106.3

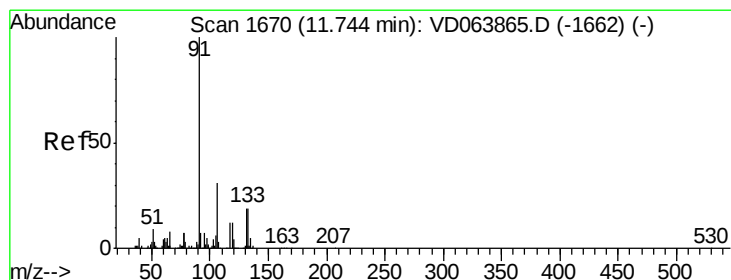
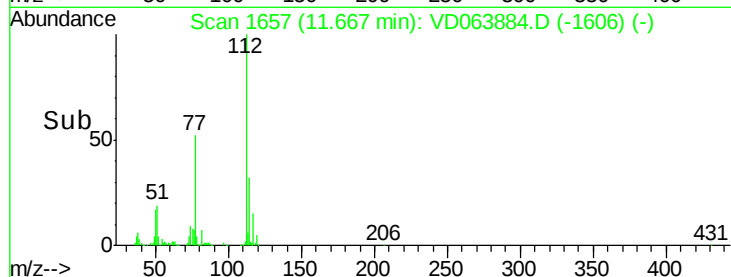
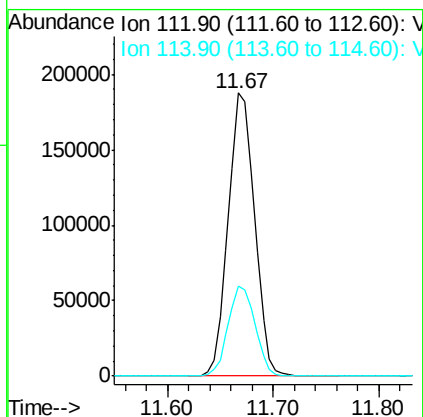
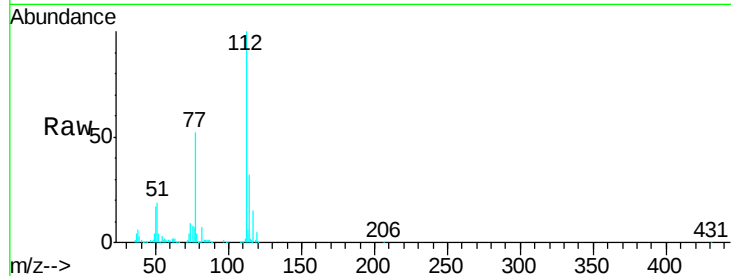




#65
Chlorobenzene
Concen: 49.549 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

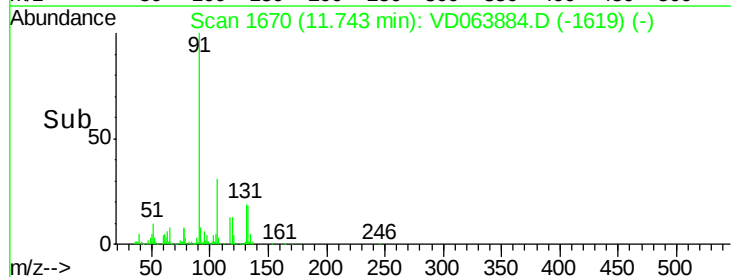
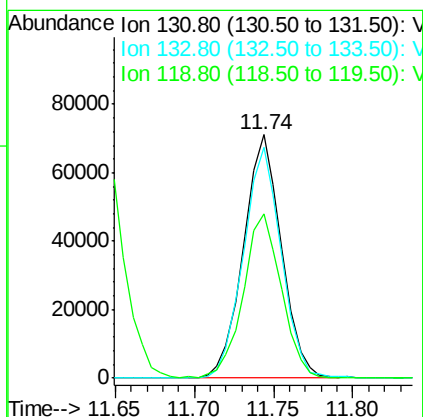
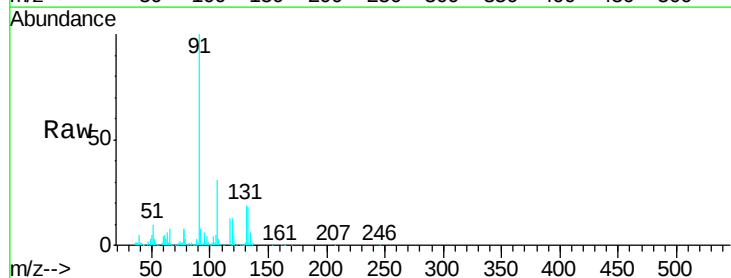
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

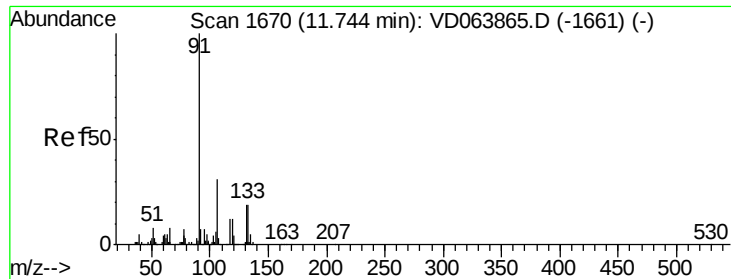
Tgt Ion:112 Resp: 323852
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.114 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion:131 Resp: 118283
Ion Ratio Lower Upper
131 100
133 94.8 48.9 146.7
119 67.3 32.6 97.8

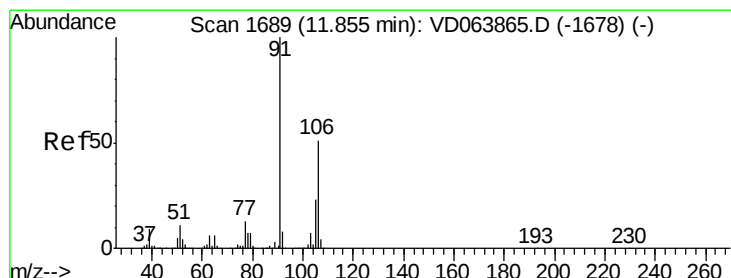
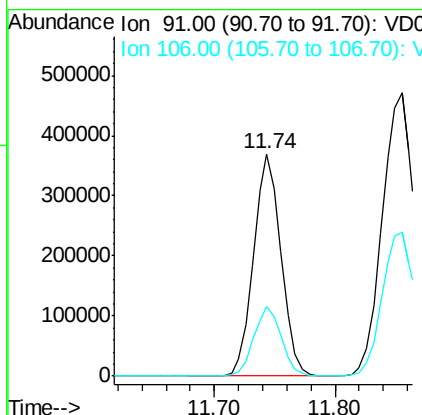
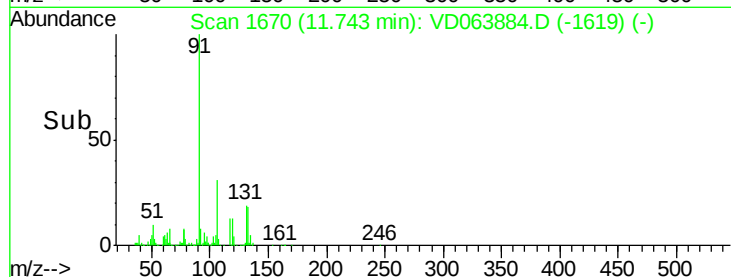
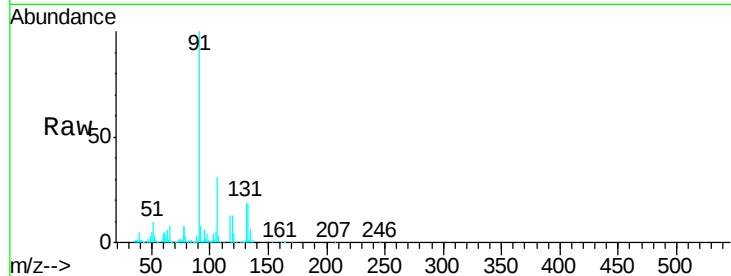




#67
 Ethyl Benzene
 Concen: 49.837 ug/l
 RT: 11.74 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

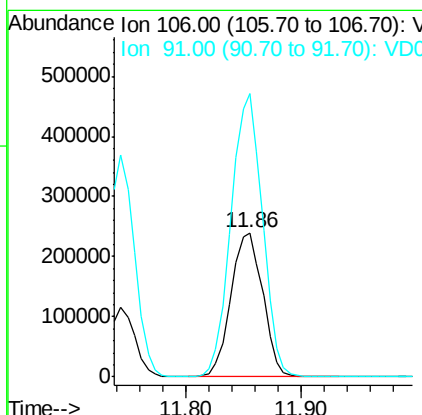
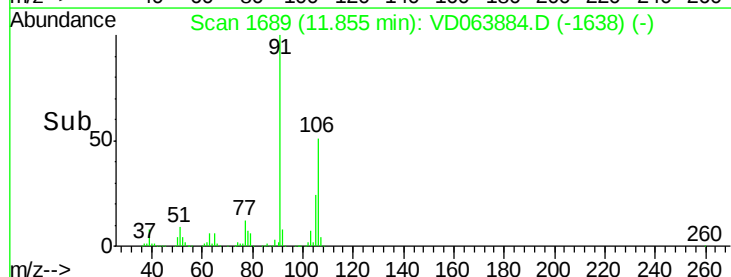
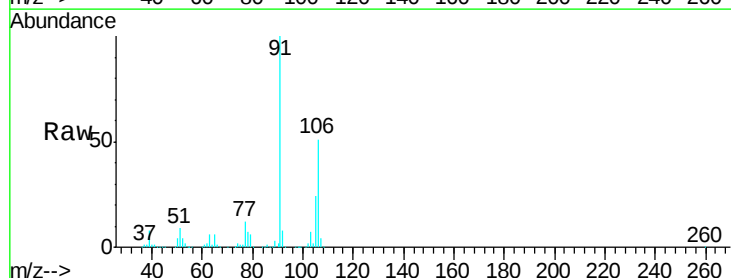
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

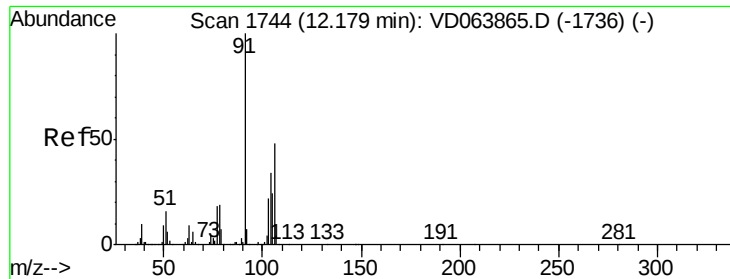
Tgt Ion: 91 Resp: 587352
 Ion Ratio Lower Upper
 91 100
 106 31.4 24.6 37.0



#68
 m/p-Xylenes
 Concen: 100.639 ug/l
 RT: 11.86 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 106 Resp: 457803
 Ion Ratio Lower Upper
 106 100
 91 194.1 154.8 232.2

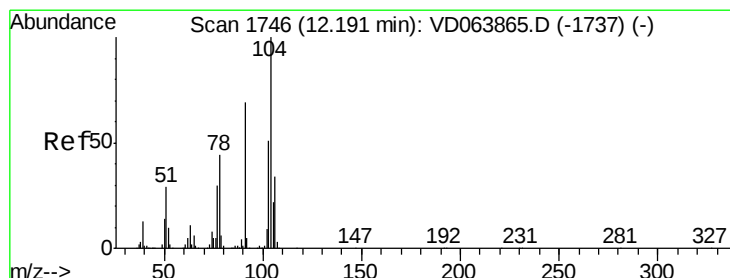
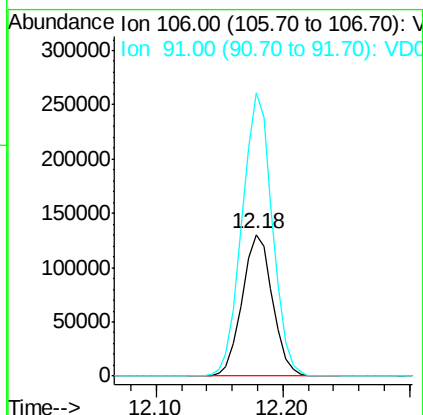
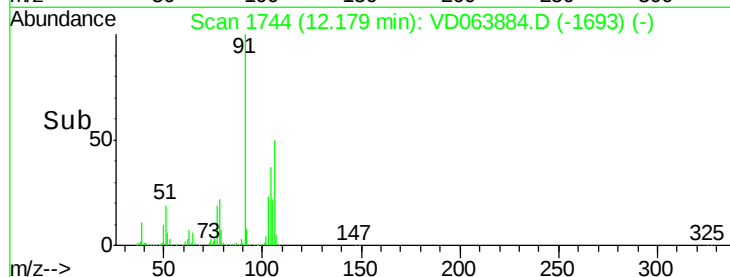
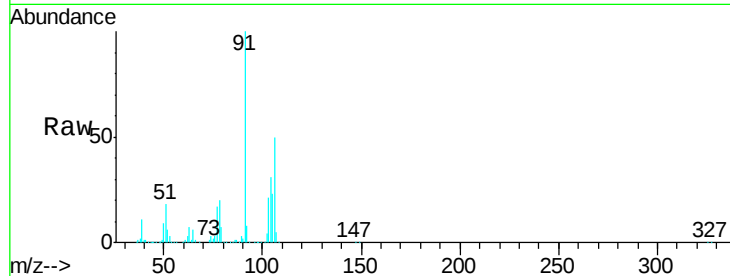




#69
o-Xylene
Concen: 49.789 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

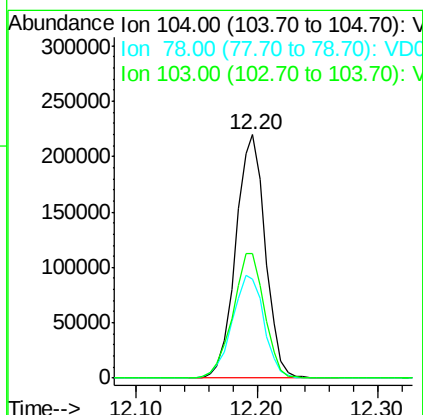
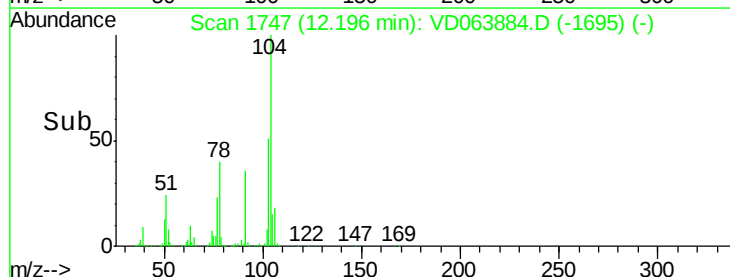
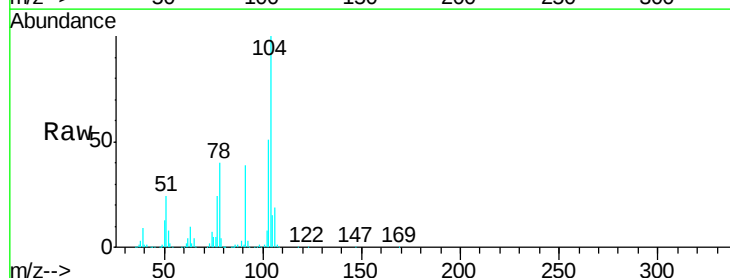
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

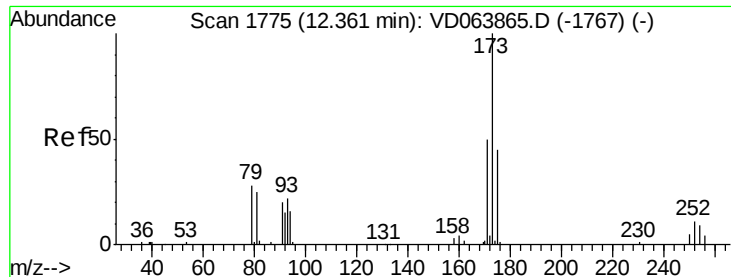
Tgt Ion:106 Resp: 216874
Ion Ratio Lower Upper
106 100
91 199.9 103.9 311.7



#70
Styrene
Concen: 50.693 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion:104 Resp: 373799
Ion Ratio Lower Upper
104 100
78 45.7 37.0 55.4
103 55.0 44.2 66.4

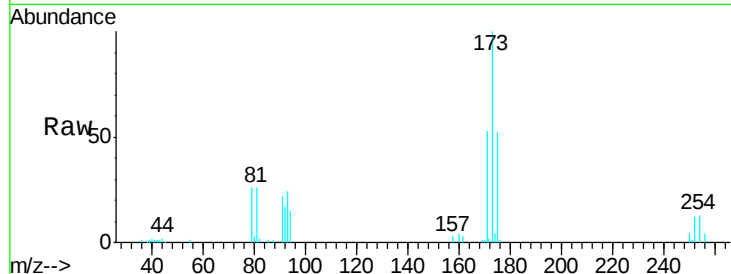




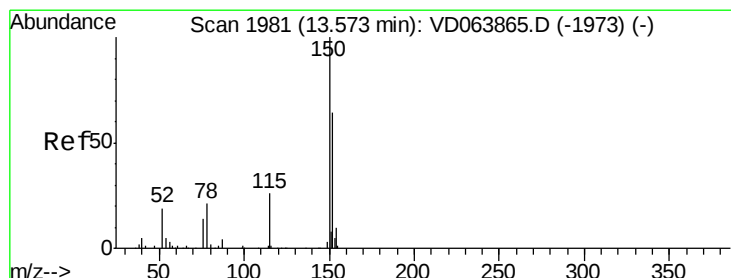
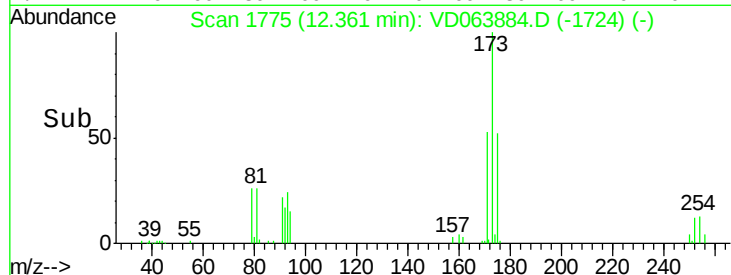
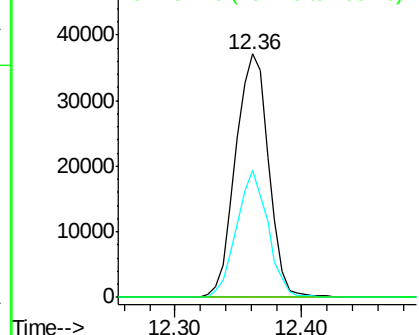
#71
Bromoform
Concen: 51.574 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 66658
Ion Ratio Lower Upper
173 100
175 49.6 24.6 74.0
254 0.0 0.0 0.0

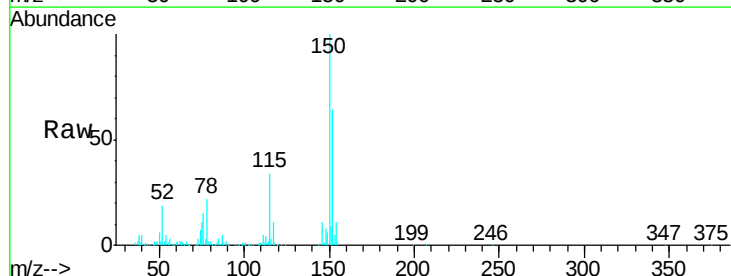


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

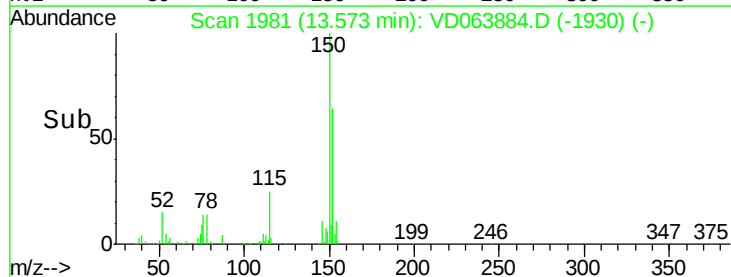
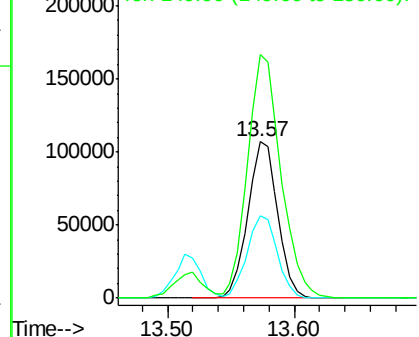


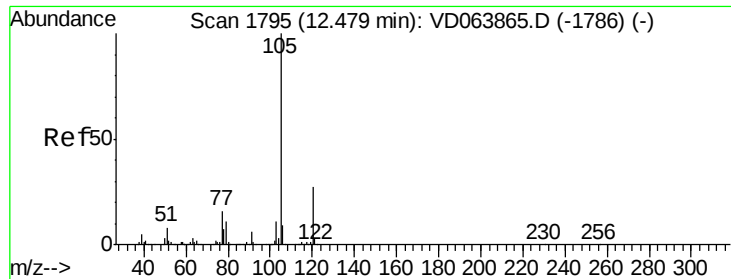
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion:152 Resp: 174543
Ion Ratio Lower Upper
152 100
115 53.5 25.9 77.7
150 174.4 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: 49.335 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

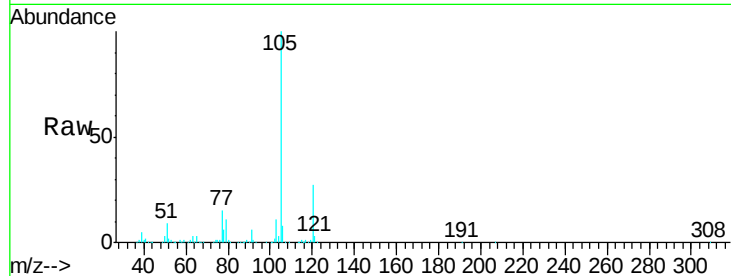
VSTDCCC050

Tgt Ion: 105 Resp: 578876

Ion Ratio Lower Upper

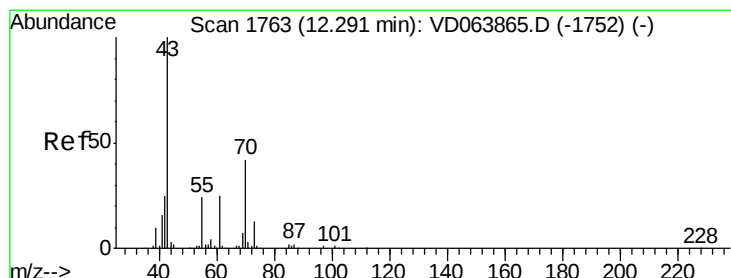
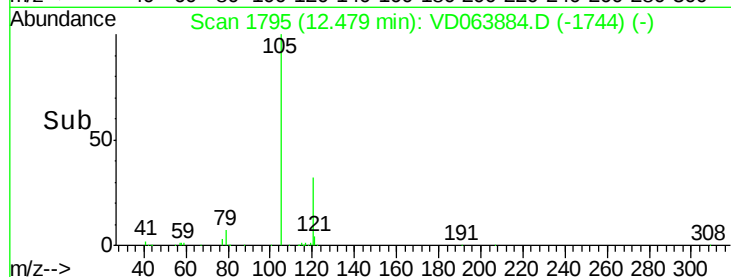
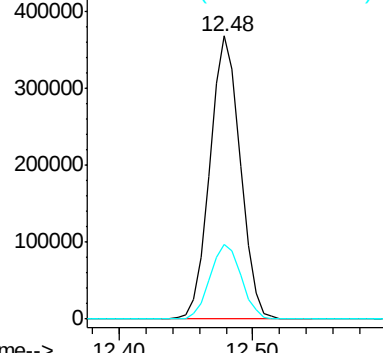
105 100

120 27.1 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: 48.670 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion: 43 Resp: 122955

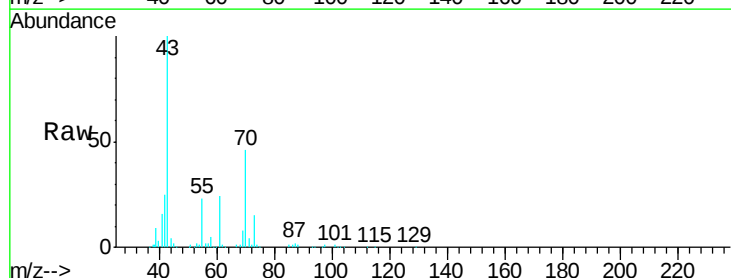
Ion Ratio Lower Upper

43 100

70 45.6 35.8 53.6

55 24.0 19.4 29.0

61 24.8 20.4 30.6

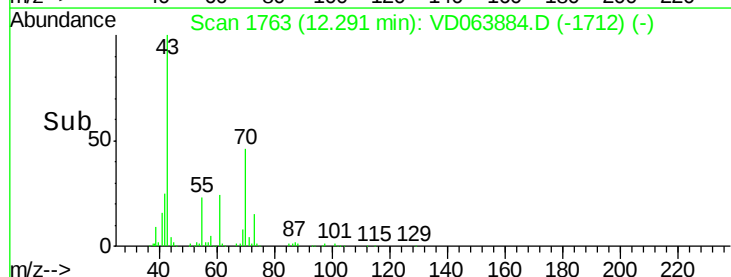
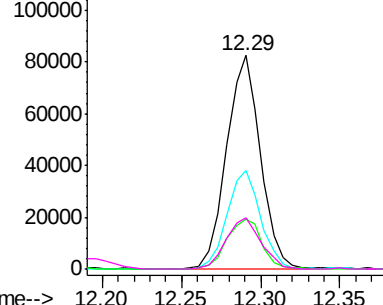


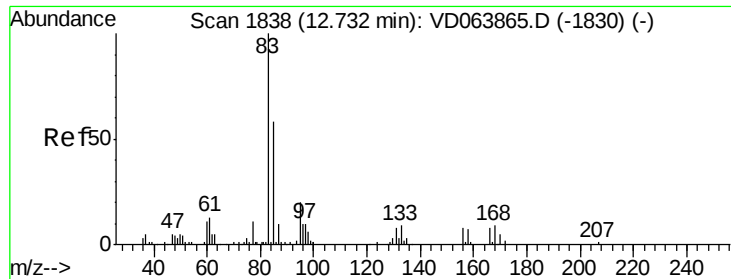
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.721 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

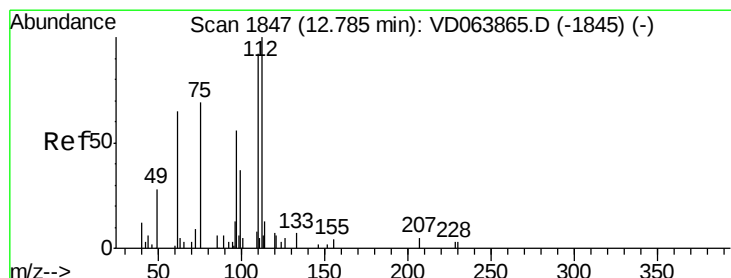
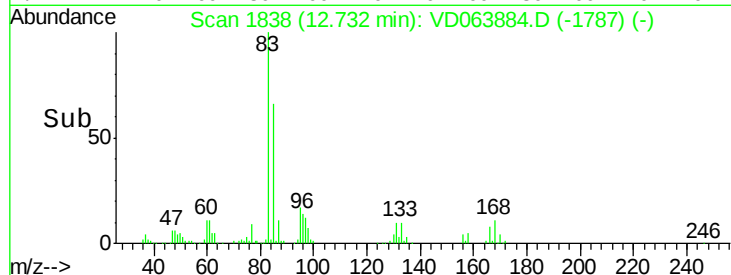
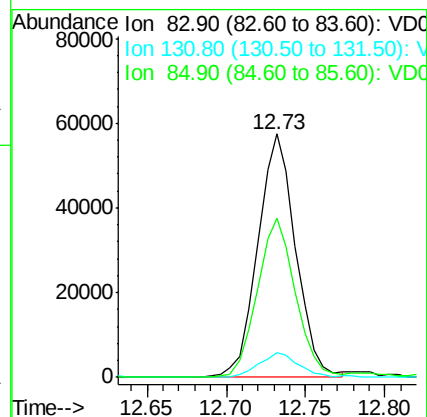
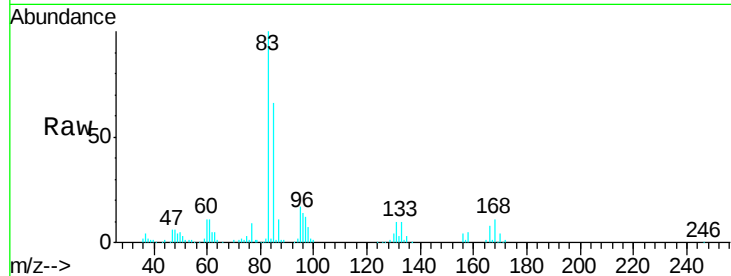
Tgt Ion: 83 Resp: 95395

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

85 65.9 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 110.047 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD063884.D

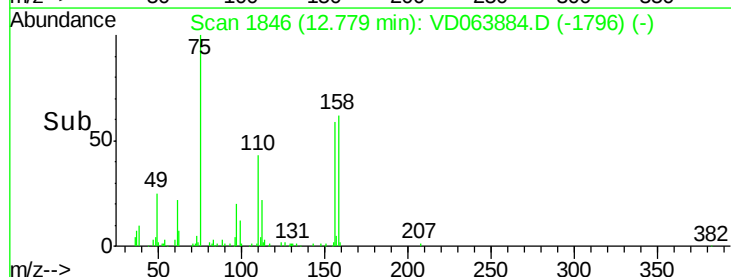
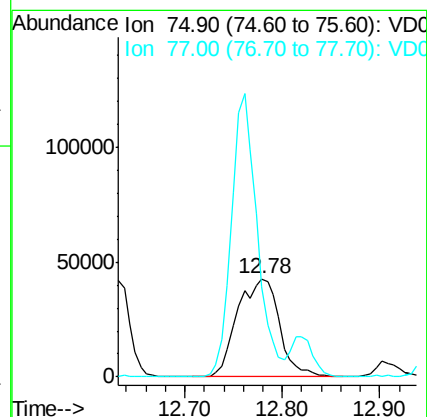
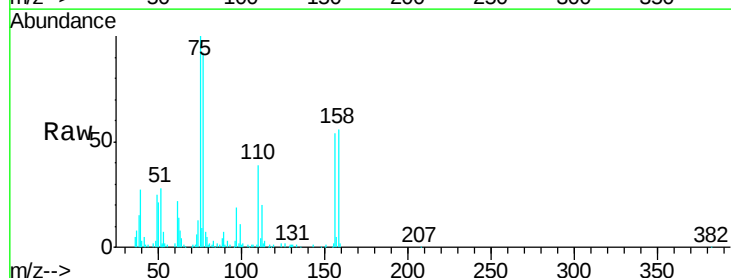
Acq: 04 Oct 2019 11:47

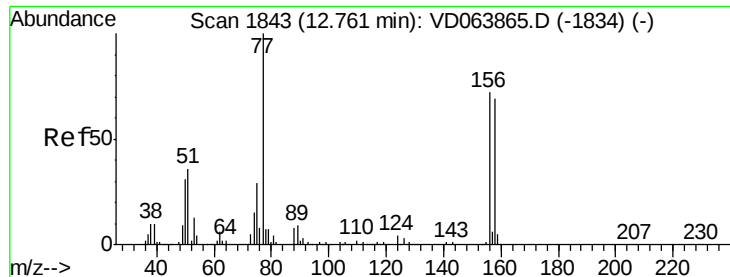
Tgt Ion: 75 Resp: 128649

Ion Ratio Lower Upper

75 100

77 177.1 0.0 0.0#





#77

Bromobenzene

Concen: 48.897 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

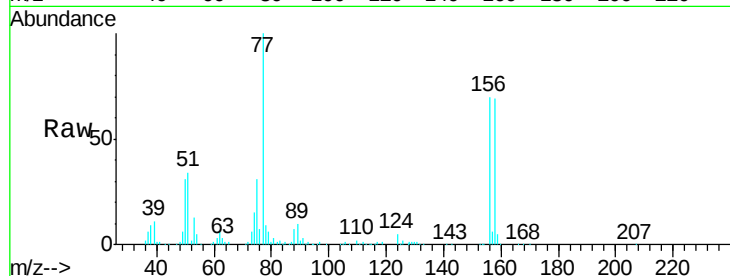
Tgt Ion:156 Resp: 142943

Ion Ratio Lower Upper

156 100

77 159.4 80.3 241.0

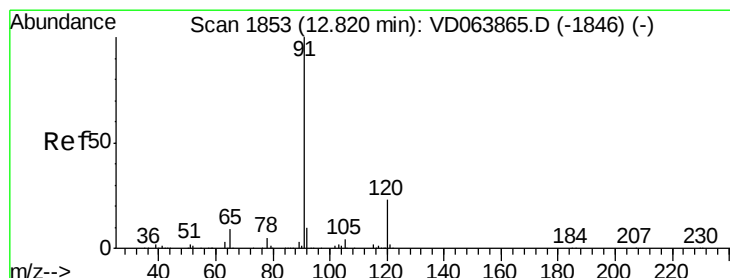
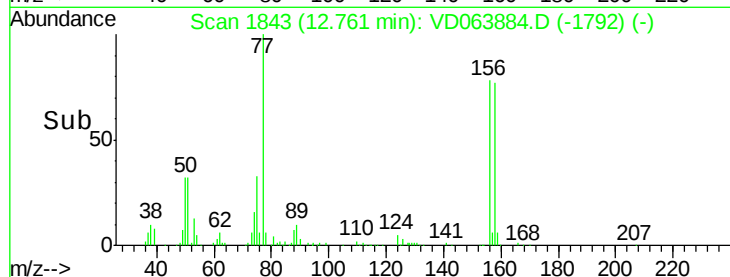
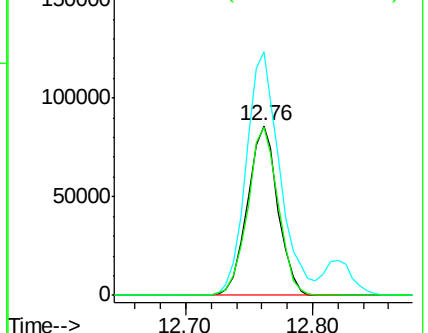
158 99.1 47.4 142.2



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: 49.245 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063884.D

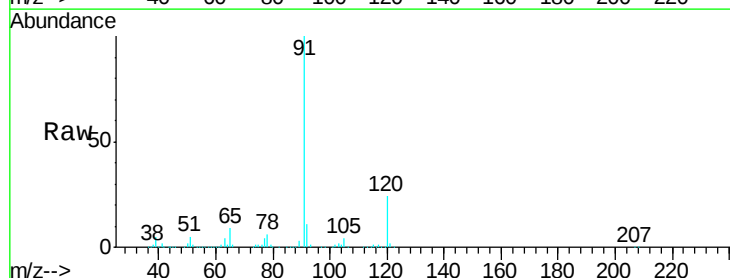
Acq: 04 Oct 2019 11:47

Tgt Ion: 91 Resp: 678244

Ion Ratio Lower Upper

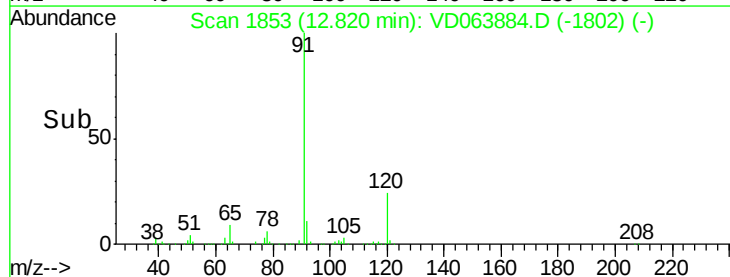
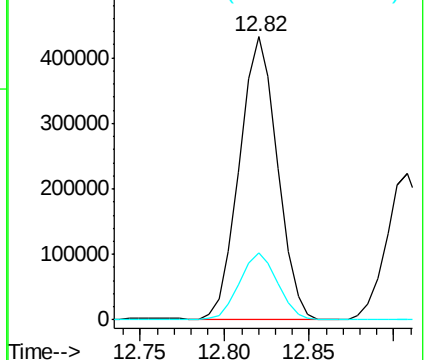
91 100

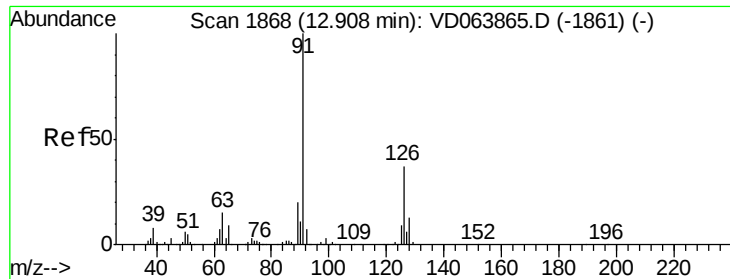
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

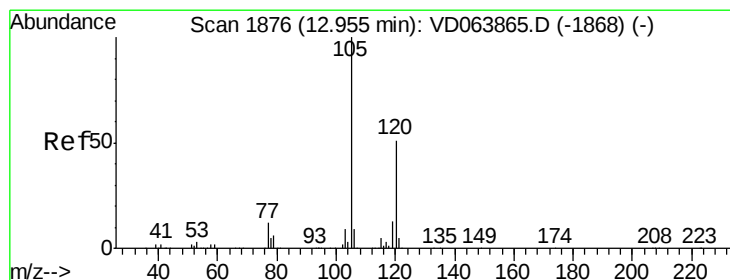
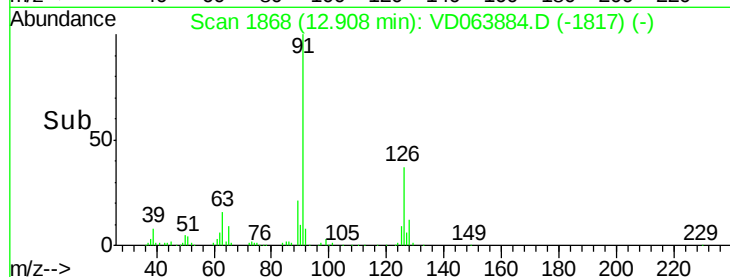
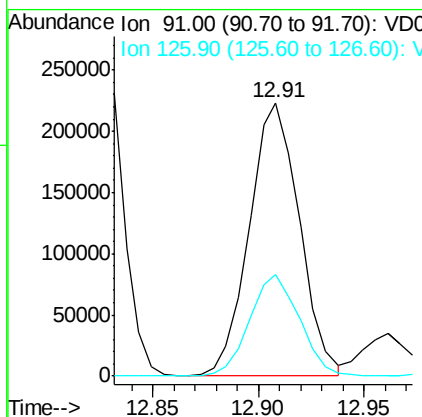
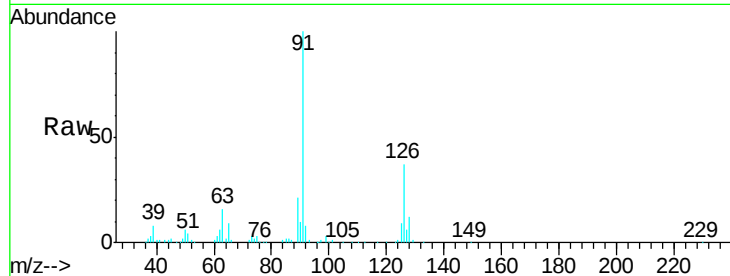




#79
 2-Chlorotoluene
 Concen: 48.413 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

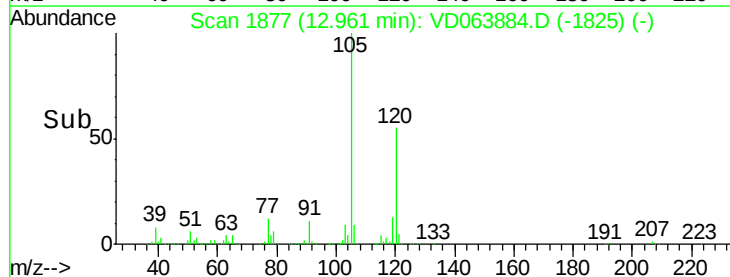
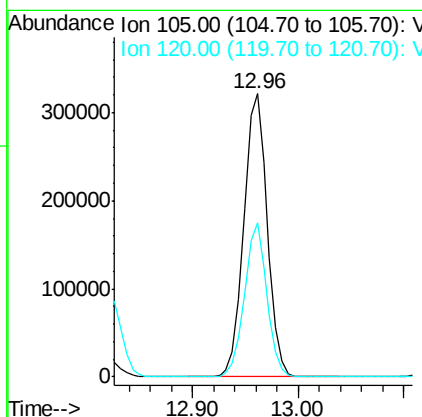
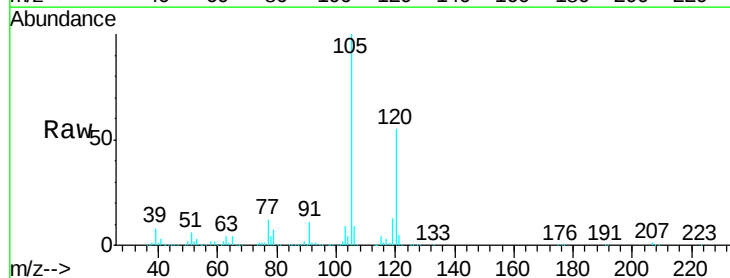
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

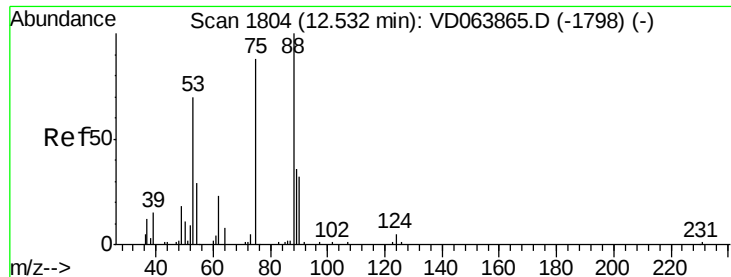
Tgt Ion: 91 Resp: 367664
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.217 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 105 Resp: 491578
 Ion Ratio Lower Upper
 105 100
 120 52.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.606 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

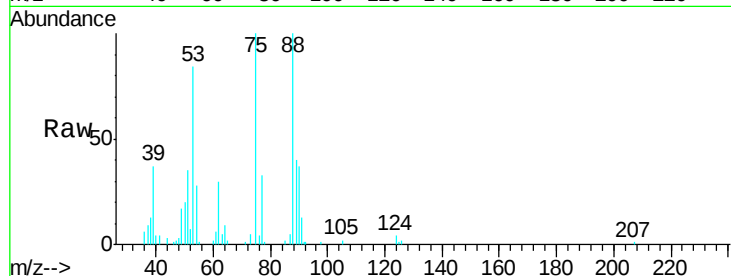
Tgt Ion: 75 Resp: 32110

Ion Ratio Lower Upper

75 100

53 97.1 75.0 112.6

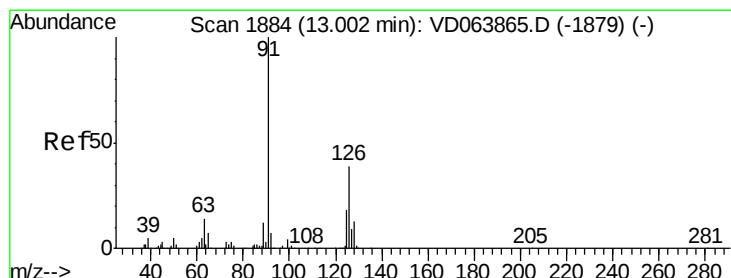
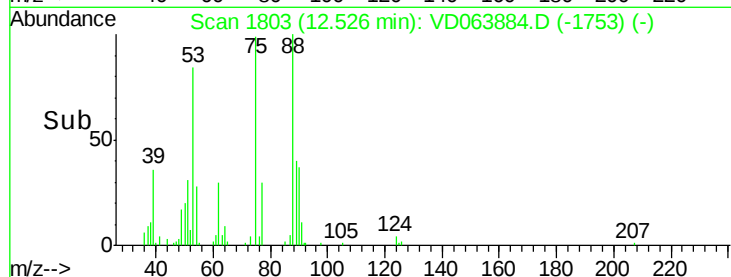
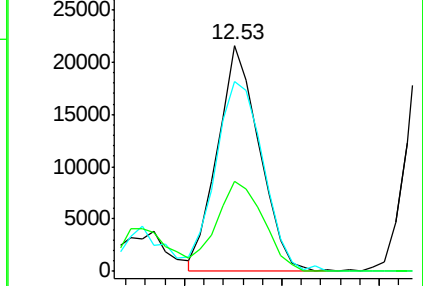
89 44.6 38.2 57.4



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: 48.310 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063884.D

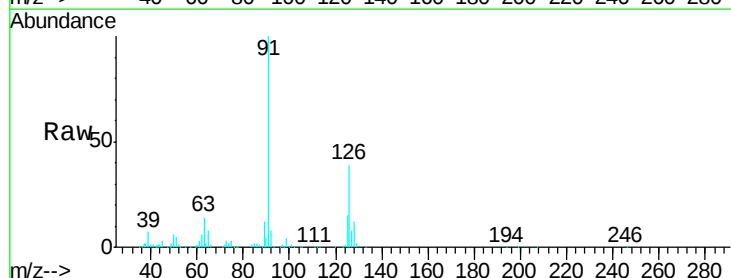
Acq: 04 Oct 2019 11:47

Tgt Ion: 91 Resp: 389194

Ion Ratio Lower Upper

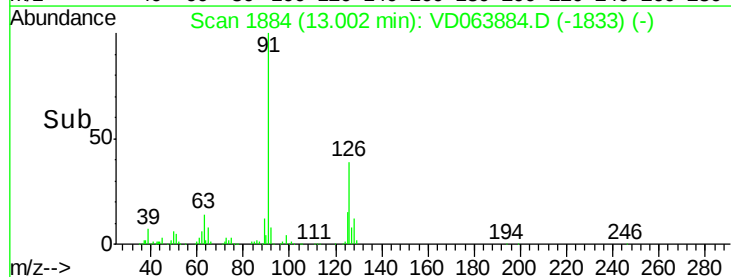
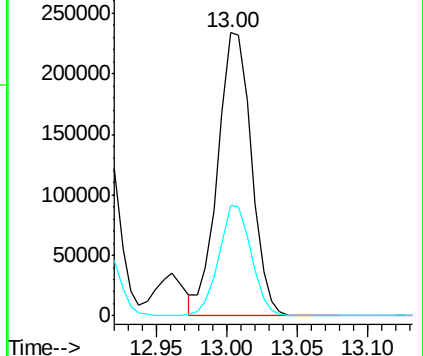
91 100

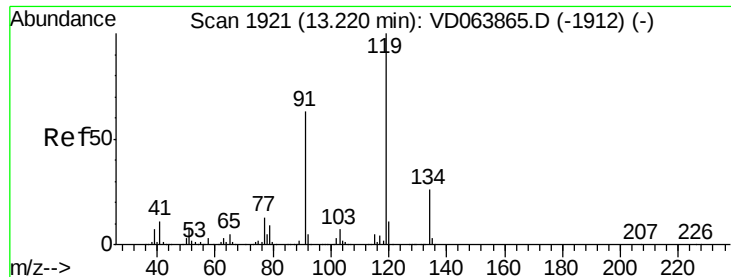
126 37.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

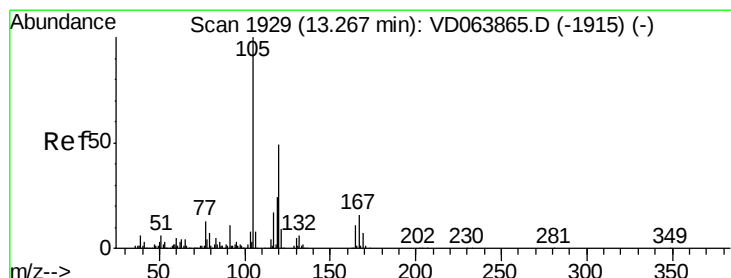
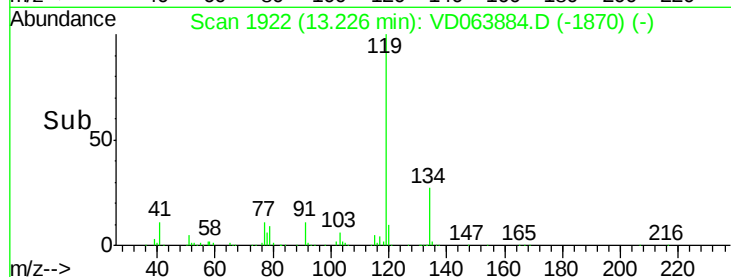
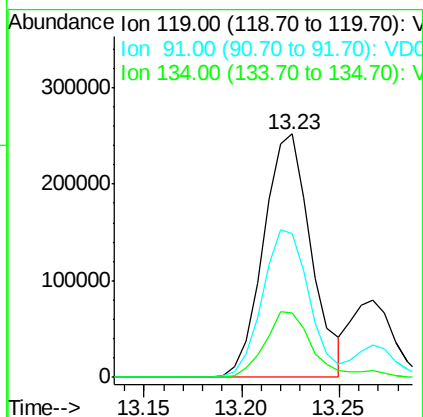
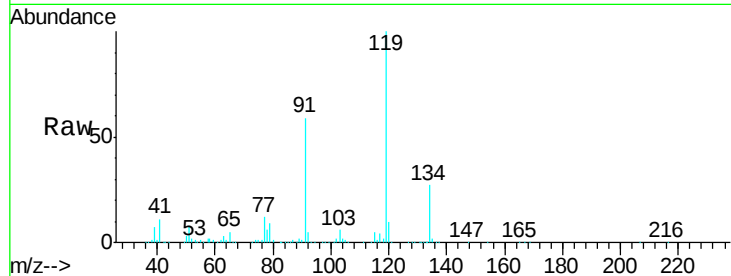




#83
tert-Butylbenzene
Concen: 48.849 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

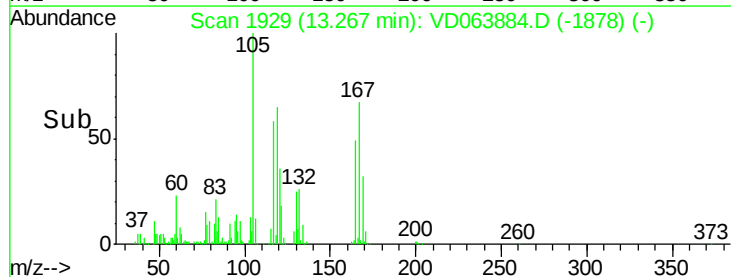
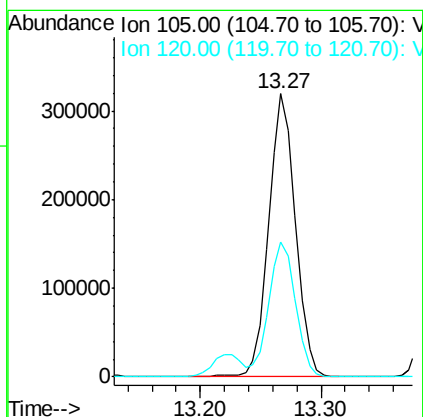
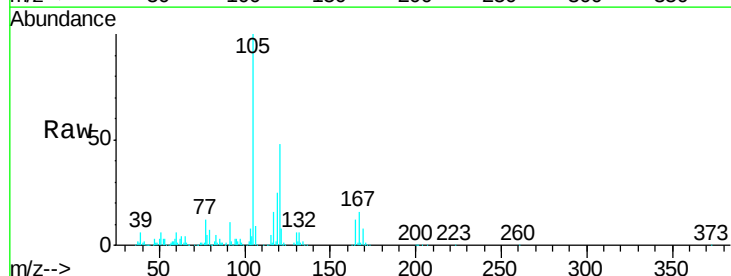
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

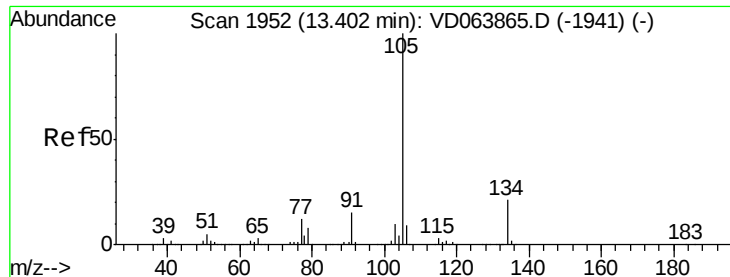
Tgt Ion:119 Resp: 425574
Ion Ratio Lower Upper
119 100
91 59.6 30.0 90.0
134 27.9 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 48.778 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion:105 Resp: 492263
Ion Ratio Lower Upper
105 100
120 48.0 23.8 71.5

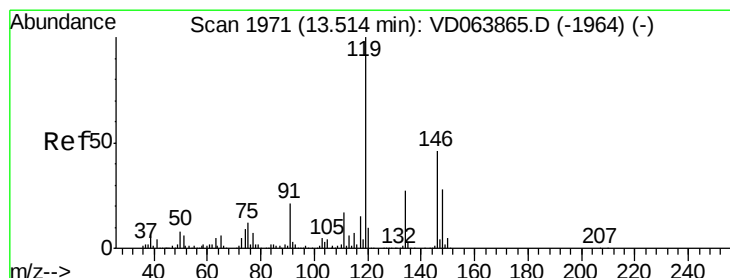
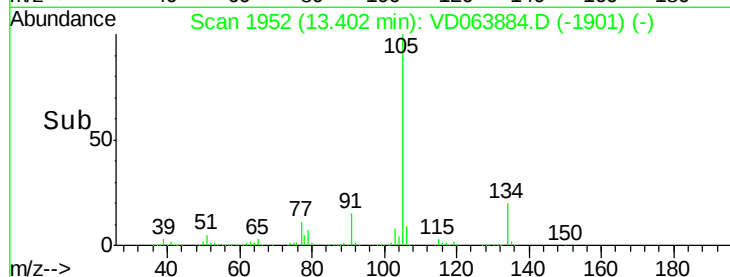
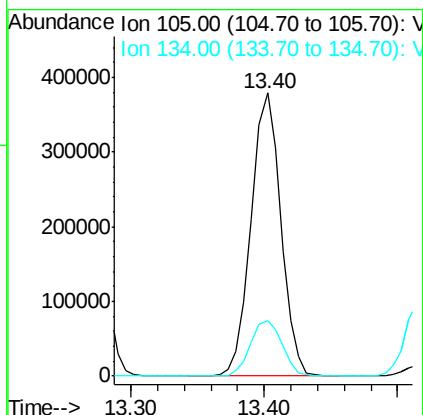
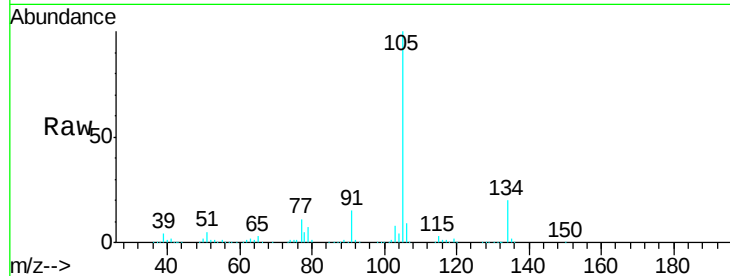




#85
 sec-Butylbenzene
 Concen: 49.512 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

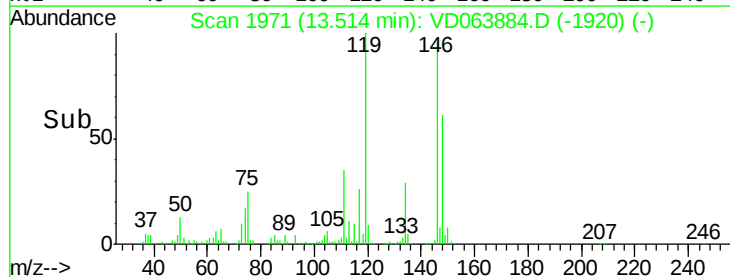
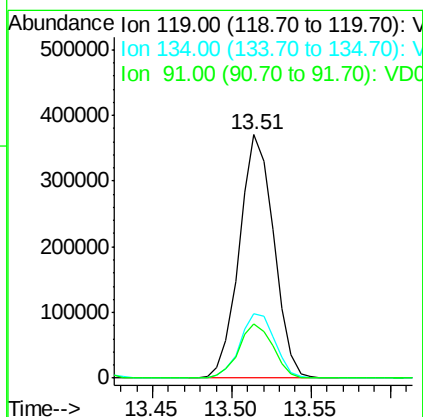
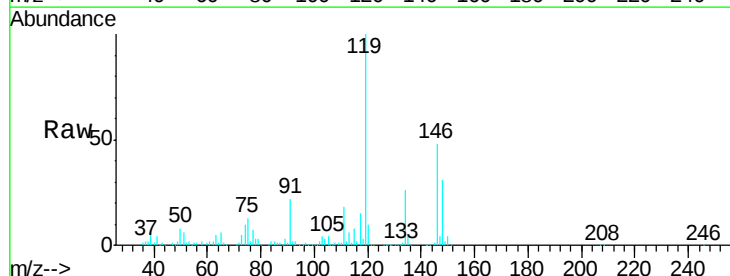
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

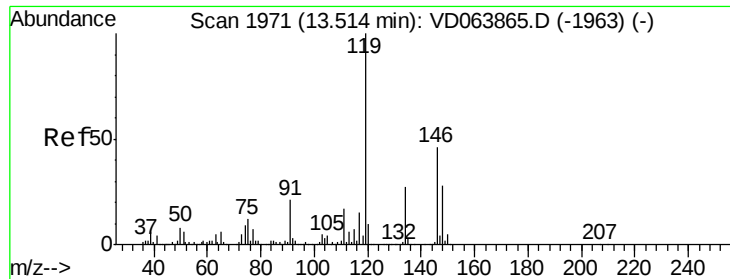
Tgt Ion:105 Resp: 582526
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 50.239 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion:119 Resp: 559324
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.9 41.6
 91 22.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 49.870 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

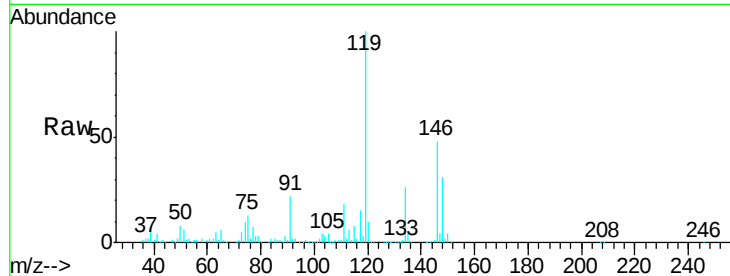
Tgt Ion:146 Resp: 288059

Ion Ratio Lower Upper

146 100

111 36.2 18.3 54.9

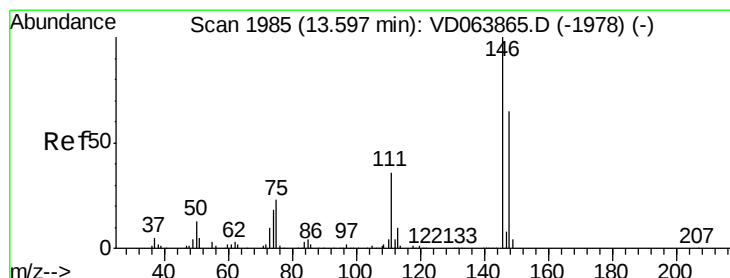
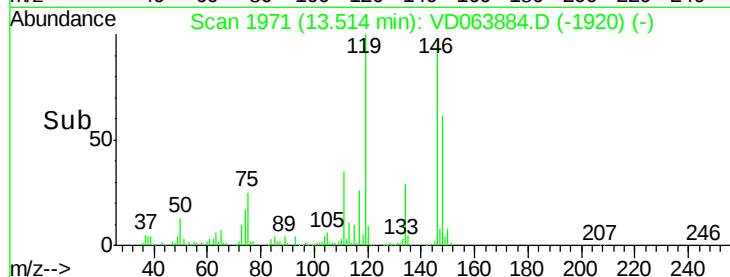
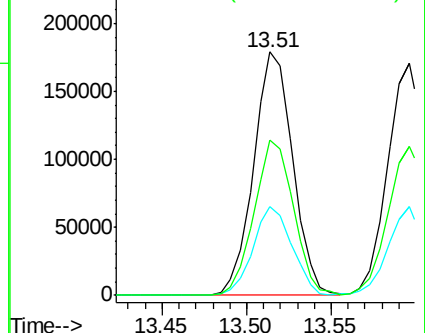
148 64.0 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 49.067 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

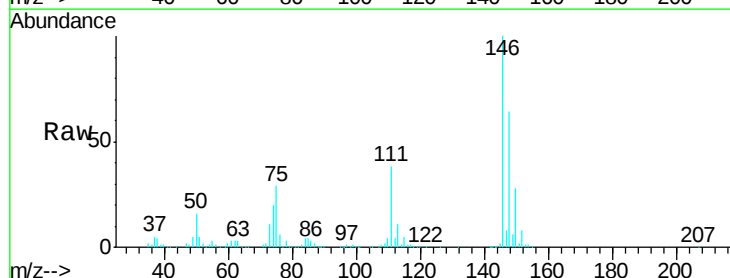
Tgt Ion:146 Resp: 279606

Ion Ratio Lower Upper

146 100

111 35.8 18.6 56.0

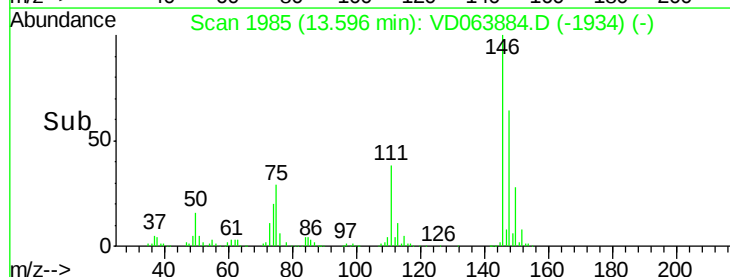
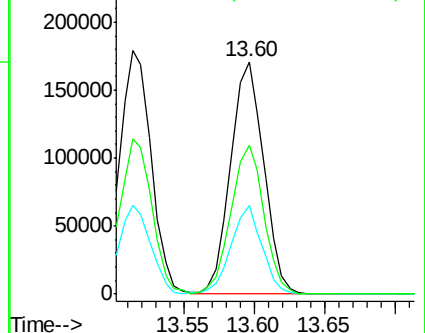
148 63.9 32.6 98.0

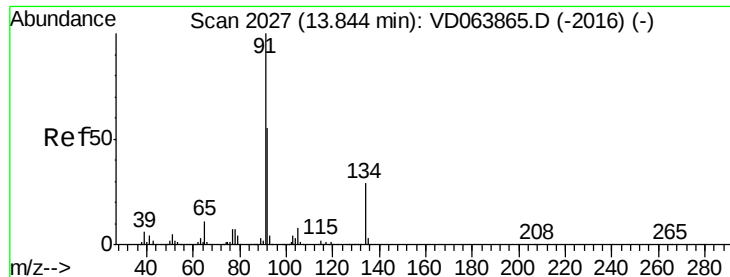


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

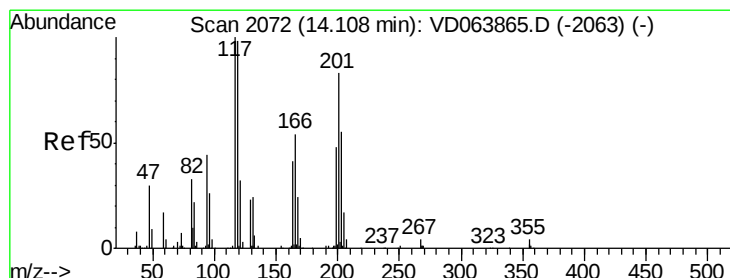
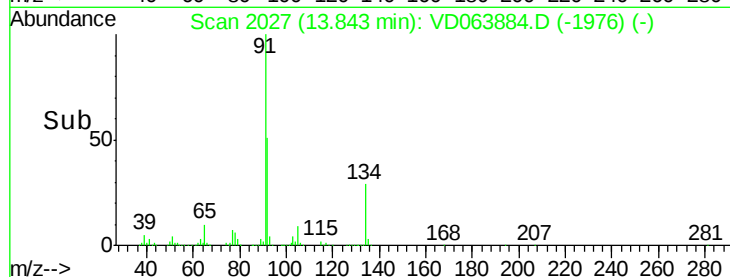
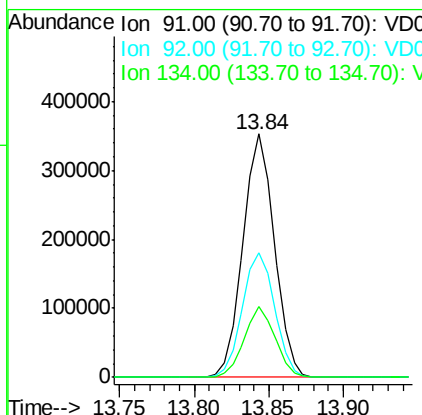
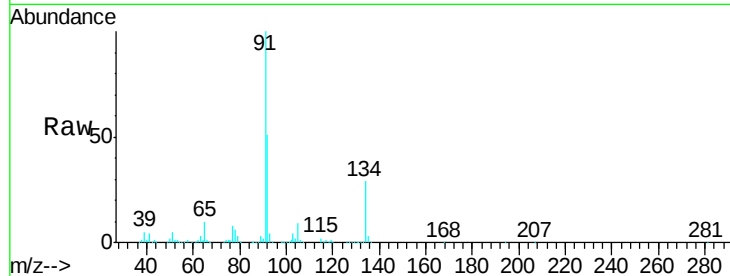




#89
n-Butylbenzene
Concen: 49.862 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

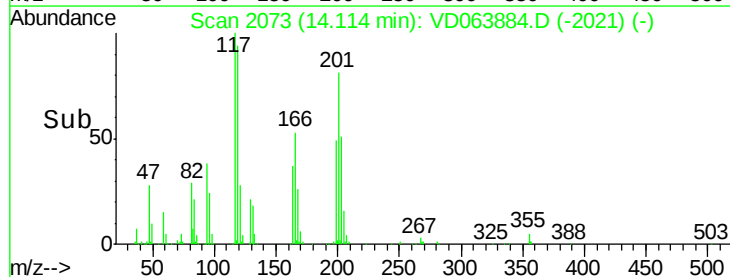
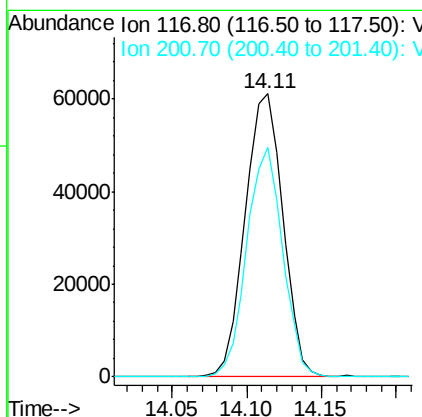
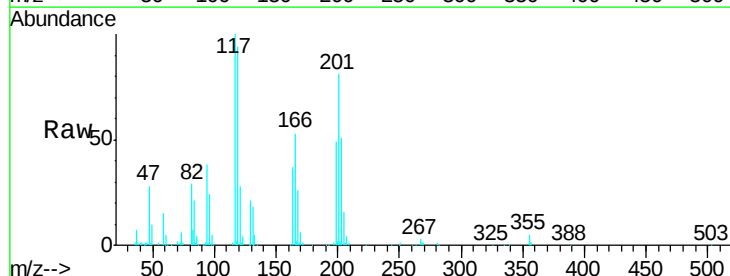
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

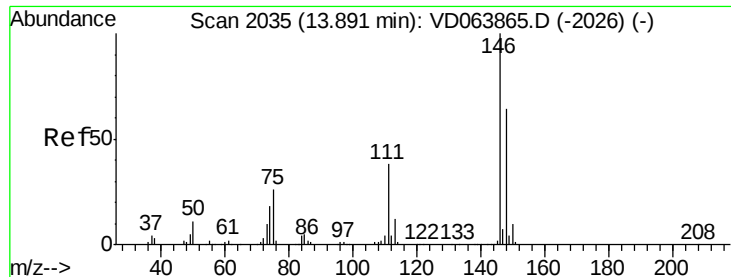
Tgt Ion: 91 Resp: 516728
Ion Ratio Lower Upper
91 100
92 52.4 26.8 80.3
134 28.4 14.4 43.0



#90
Hexachloroethane
Concen: 53.537 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 117 Resp: 107201
Ion Ratio Lower Upper
117 100
201 76.8 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 49.623 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

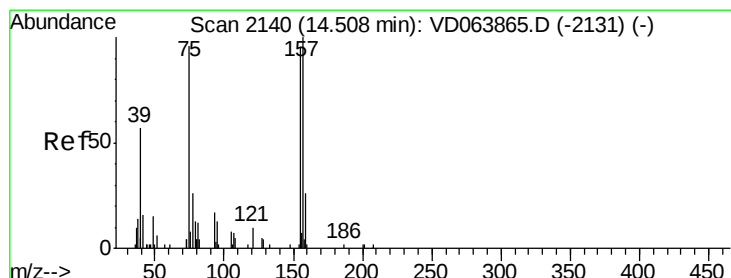
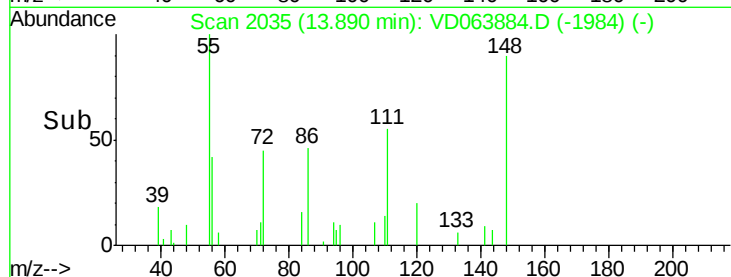
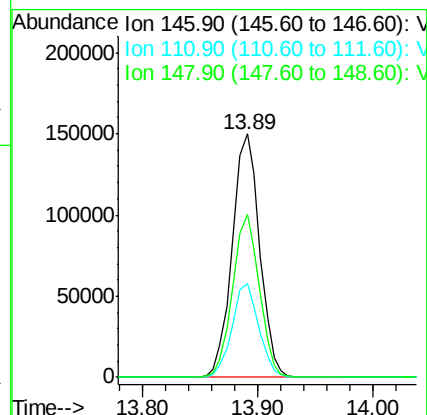
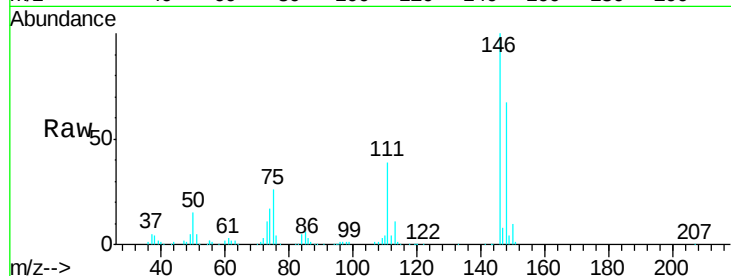
Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	247015
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.6
148	65.1	31.6	95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.592 ug/l

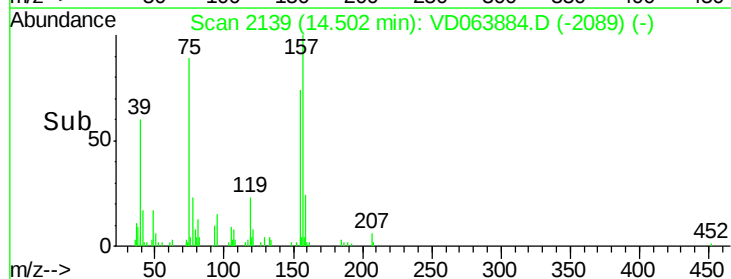
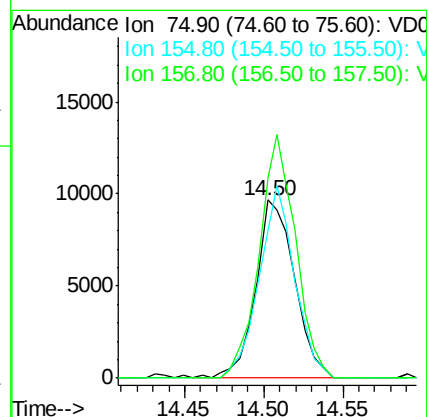
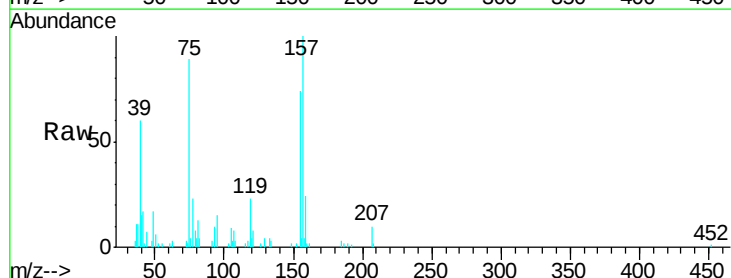
RT: 14.50 min Scan# 2139

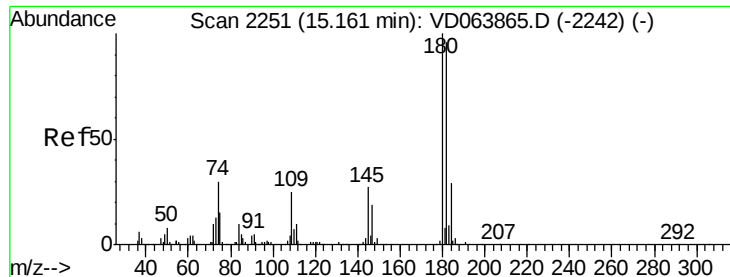
Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion:	75	Resp:	16458
Ion	Ratio	Lower	Upper
75	100		
155	98.6	43.9	131.6
157	128.1	56.0	167.9

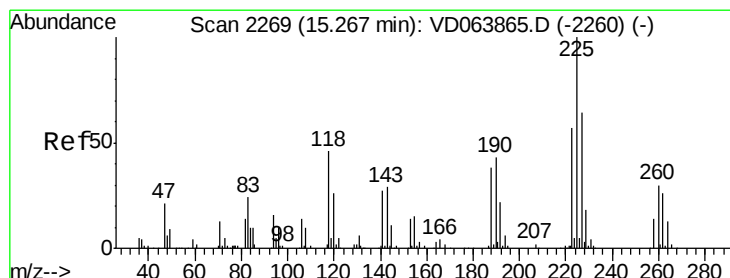
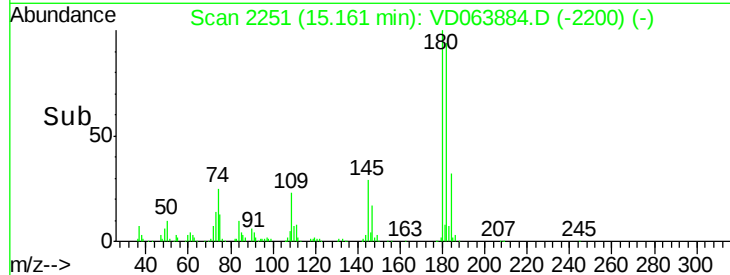
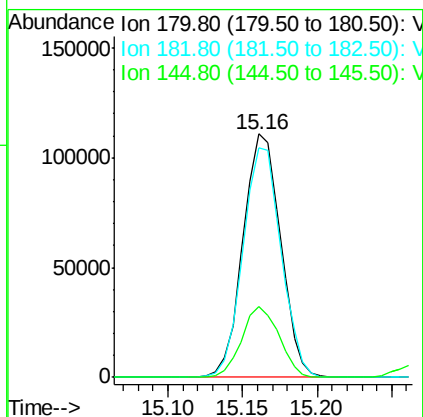
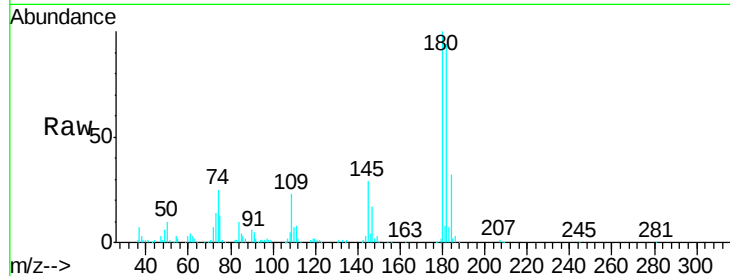




#93
 1,2,4-Trichlorobenzene
 Concen: 50.263 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

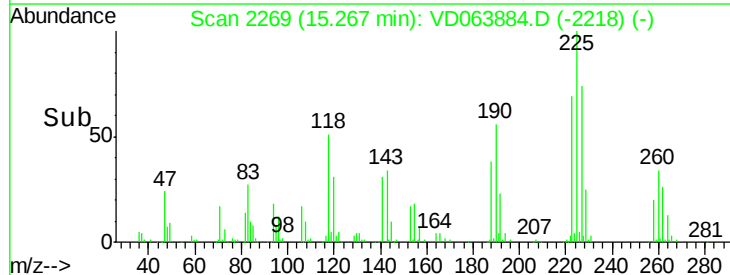
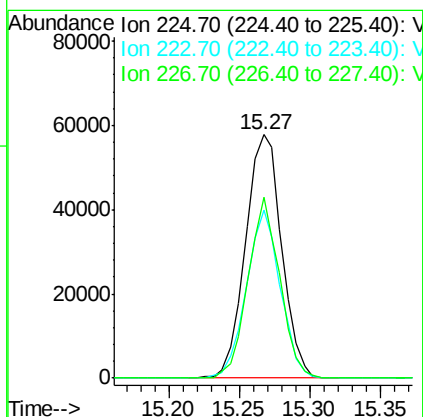
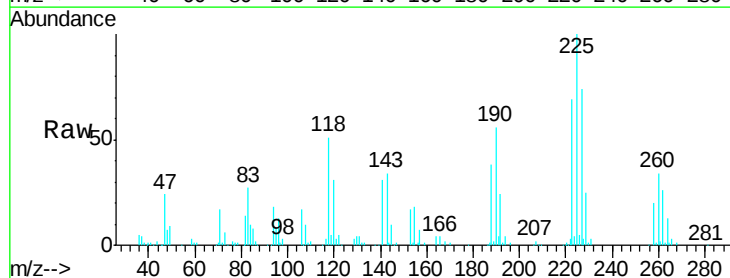
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

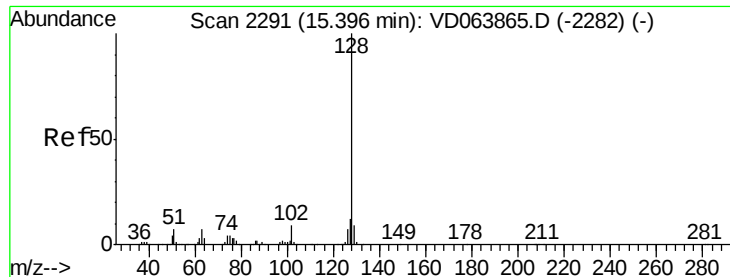
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.3
145	29.1	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 48.971 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	29.5	88.6
227	65.4	30.8	92.4

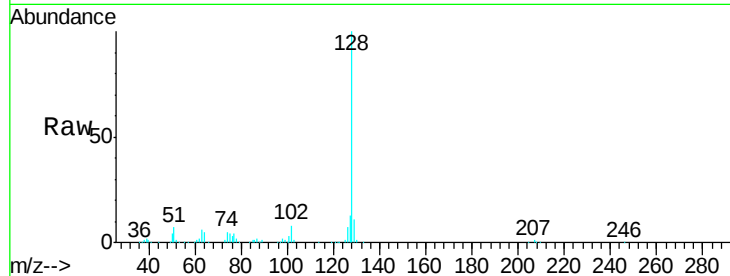




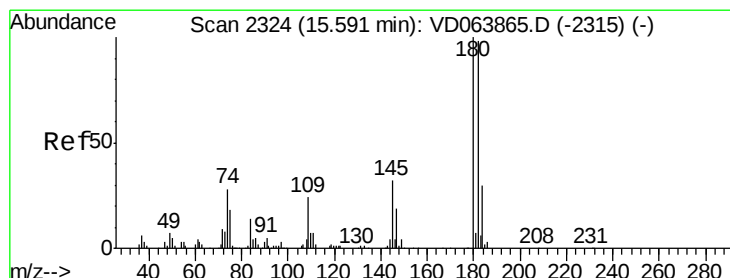
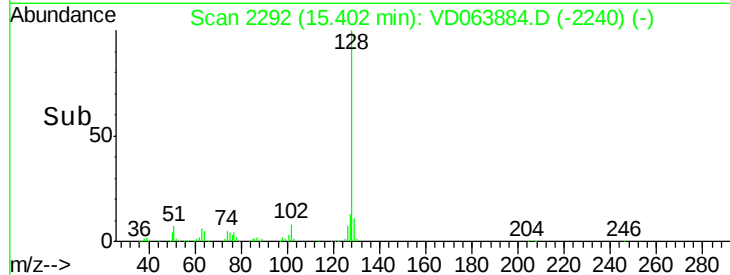
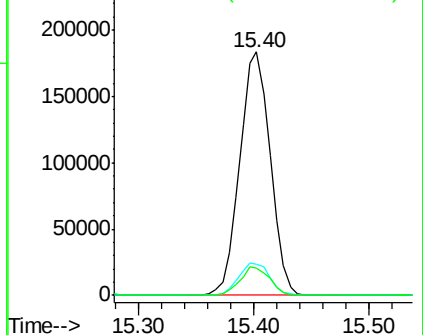
#95
Naphthalene
Concen: 52.207 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 337031
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 11.4 8.6 13.0

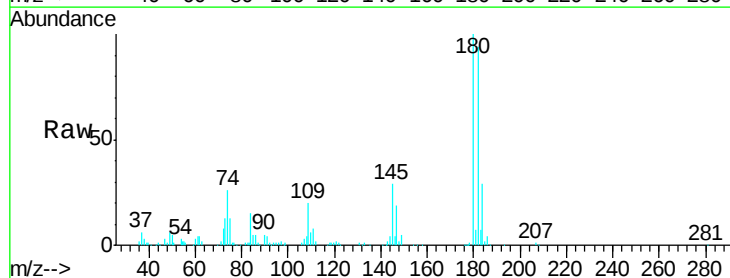


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.624 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion:180 Resp: 167765
Ion Ratio Lower Upper
180 100
182 93.2 47.0 141.0
145 29.8 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

