

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100319\
 Data File : VD063882.D
 Acq On : 03 Oct 2019 18:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 04 01:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	198100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	317984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	319581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173210	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	97896	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	7.92	113	96840	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.34	98	394972	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.63	95	132919	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	57420	40.872	ug/l	97
3) Chloromethane	2.21	50	181723	47.684	ug/l	97
4) Vinyl Chloride	2.35	62	204889	45.124	ug/l	97
5) Bromomethane	2.77	94	130020	44.541	ug/l	91
6) Chloroethane	2.93	64	129424	43.100	ug/l #	88
7) Trichlorofluoromethane	3.27	101	267433	44.547	ug/l	99
8) Diethyl Ether	3.71	74	42016	43.604	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	74152	44.622	ug/l	96
10) Methyl Iodide	4.30	142	109048	47.623	ug/l	98
11) Tert butyl alcohol	5.24	59	34669	259.038	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	74317	44.763	ug/l	94
13) Acrolein	3.93	56	34769	201.845	ug/l	90
14) Allyl chloride	4.71	41	123232	44.645	ug/l	96
15) Acrylonitrile	5.43	53	102117	240.373	ug/l	97
16) Acetone	4.17	43	107385	213.858	ug/l	89
17) Carbon Disulfide	4.40	76	268867	44.550	ug/l #	92
18) Methyl Acetate	4.71	43	45586	46.416	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	195439	45.460	ug/l	99
20) Methylene Chloride	4.96	84	102434	45.717	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	94173	45.565	ug/l	97
22) Diisopropyl ether	6.37	45	266803	47.328	ug/l	98
23) Vinyl Acetate	6.31	43	798670	238.155	ug/l	100
24) 1,1-Dichloroethane	6.27	63	162736	46.866	ug/l	95
25) 2-Butanone	7.22	43	132128	222.033	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	143070	45.548	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109040	46.611	ug/l	99
28) Bromochloromethane	7.55	49	69310	52.408	ug/l	99
29) Tetrahydrofuran	7.58	42	77839	224.101	ug/l	98
30) Chloroform	7.71	83	173636	46.040	ug/l	100
31) Cyclohexane	7.98	56	140862	48.985	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	149367	46.170	ug/l	98
36) 1,1-Dichloropropene	8.12	75	131281	45.154	ug/l	99
37) Ethyl Acetate	7.30	43	55262	47.176	ug/l	100
38) Carbon Tetrachloride	8.10	117	133418	45.410	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161008	45.040	ug/l	95
40) Benzene	8.35	78	392363	47.092	ug/l	95
41) Methacrylonitrile	7.53	41	34529	51.224	ug/l #	58
42) 1,2-Dichloroethane	8.43	62	110649	45.911	ug/l	99
43) Isopropyl Acetate	8.46	43	111727	45.823	ug/l	97
44) Trichloroethene	9.11	130	108744	45.262	ug/l	85
45) 1,2-Dichloropropane	9.39	63	93630	45.912	ug/l	99
46) Dibromomethane	9.48	93	54780	47.166	ug/l	99
47) Bromodichloromethane	9.67	83	138895	46.450	ug/l	96
48) Methyl methacrylate	9.46	41	51967	44.483	ug/l	98
49) 1,4-Dioxane	9.47	88	15490	977.082	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	286083	226.236	ug/l	99
52) Toluene	10.40	92	271239	47.423	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	136240	46.691	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	156467	46.584	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	74869	45.655	ug/l	96
56) Ethyl methacrylate	10.66	69	98993	47.669	ug/l	97
57) 1,3-Dichloropropane	10.95	76	131735	46.952	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	202472	226.826	ug/l	98
59) 2-Hexanone	10.98	43	210443	230.061	ug/l	98
60) Dibromochloromethane	11.14	129	100358	47.007	ug/l	96
61) 1,2-Dibromoethane	11.25	107	75938	47.766	ug/l	99
64) Tetrachloroethene	10.88	164	98999	45.377	ug/l	98
65) Chlorobenzene	11.67	112	297722	46.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	112544	47.589	ug/l	95
67) Ethyl Benzene	11.74	91	528089	45.631	ug/l	97
68) m/p-Xylenes	11.86	106	423359	94.776	ug/l	99
69) o-Xylene	12.18	106	198713	46.458	ug/l	97
70) Styrene	12.20	104	349468	48.264	ug/l	98
71) Bromoform	12.36	173	62456	49.210	ug/l #	98
73) Isopropylbenzene	12.48	105	528890	45.421	ug/l	98
74) N-amyl acetate	12.29	43	108525	43.289	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	90193	44.513	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	113758	98.058	ug/l #	100
77) Bromobenzene	12.76	156	132739	45.756	ug/l	98
78) n-propylbenzene	12.82	91	616459	45.104	ug/l	100
79) 2-Chlorotoluene	12.91	91	343362	45.561	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	446359	45.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27649	42.175	ug/l	94
82) 4-Chlorotoluene	13.01	91	352665	44.113	ug/l	98
83) tert-Butylbenzene	13.23	119	388682	44.958	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	456474	45.580	ug/l	98
85) sec-Butylbenzene	13.40	105	527714	45.198	ug/l	100
86) p-Isopropyltoluene	13.51	119	501695	45.410	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	263815	46.024	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	261272	46.202	ug/l	98
89) n-Butylbenzene	13.84	91	477355	46.418	ug/l	98
90) Hexachloroethane	14.11	117	89523	45.053	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	232251	47.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13342	41.986	ug/l	80

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Response via : Initial Calibration

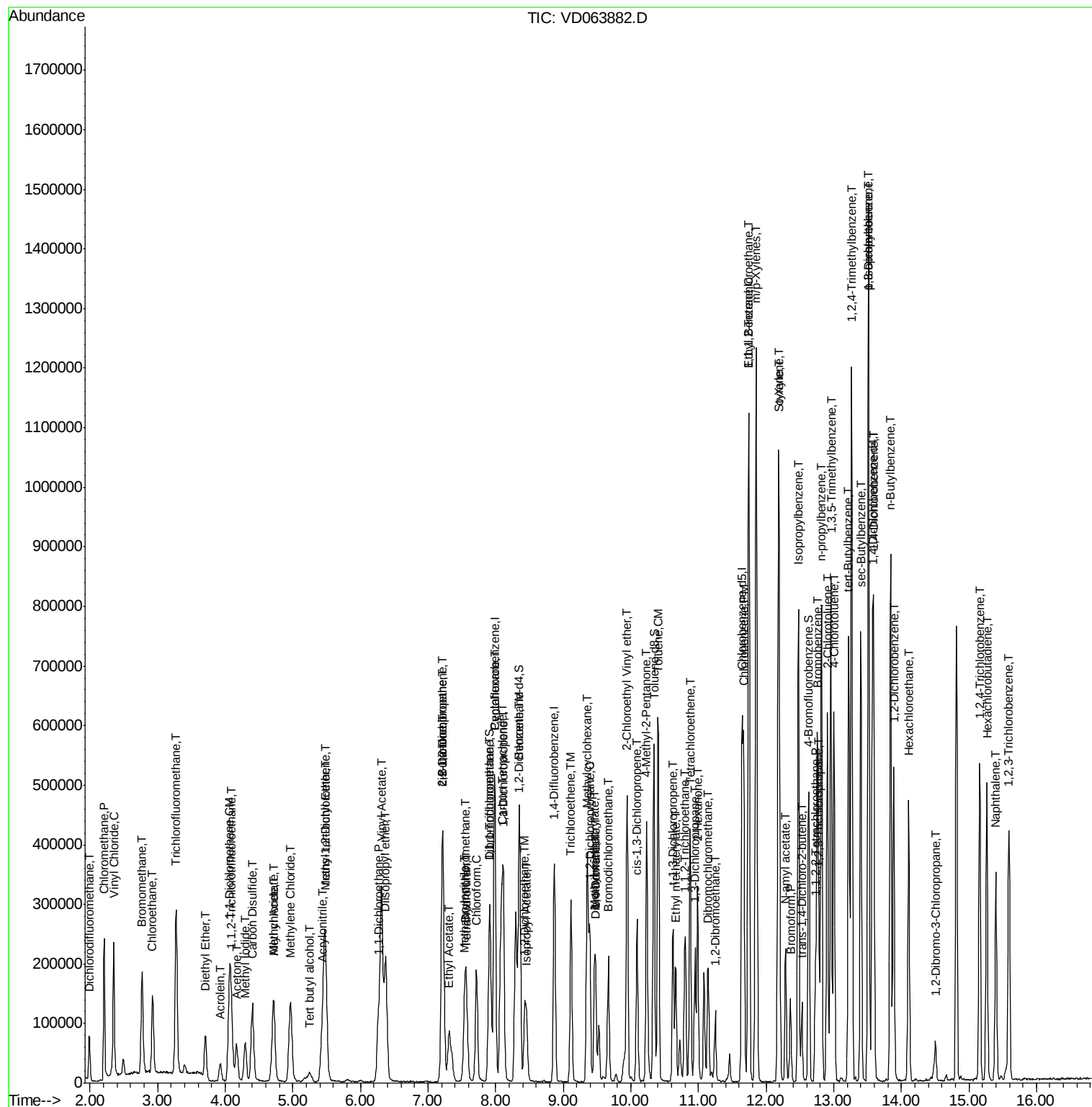
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	175177	45.959	ug/l	97
94) Hexachlorobutadiene	15.27	225	97476	46.343	ug/l	98
95) Naphthalene	15.40	128	306598	47.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	150050	45.627	ug/l	99

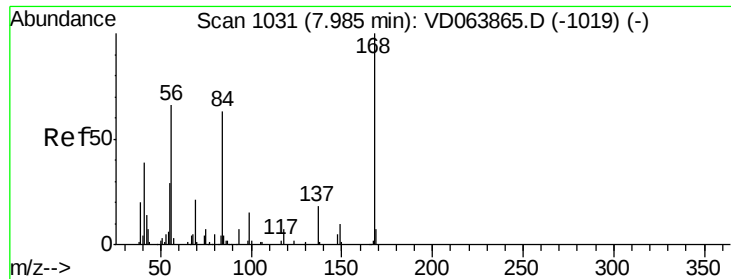
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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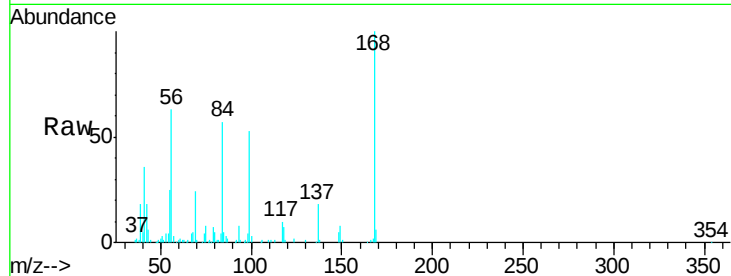




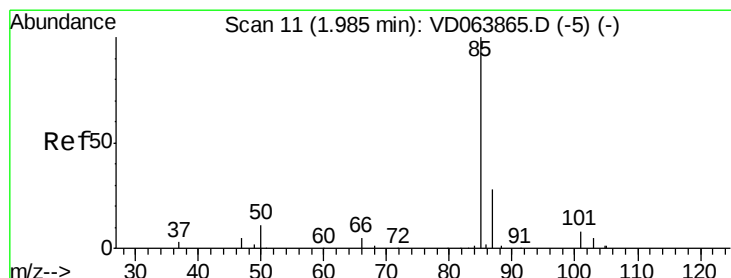
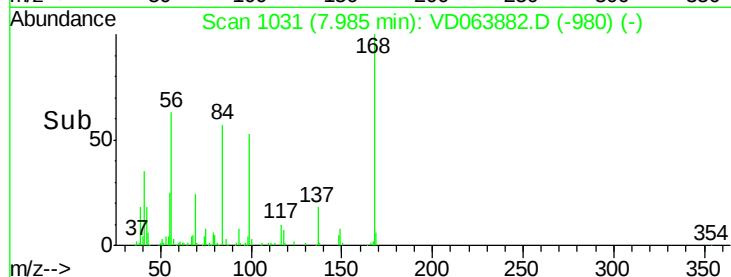
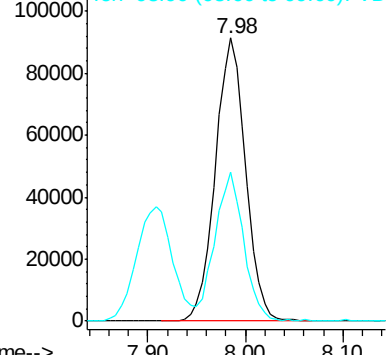
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 168 Resp: 198100
Ion Ratio Lower Upper
168 100
99 52.5 43.0 64.4

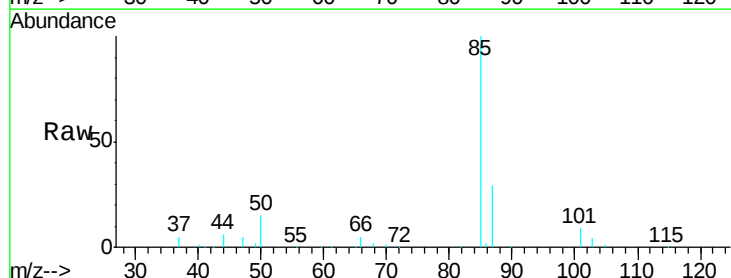


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

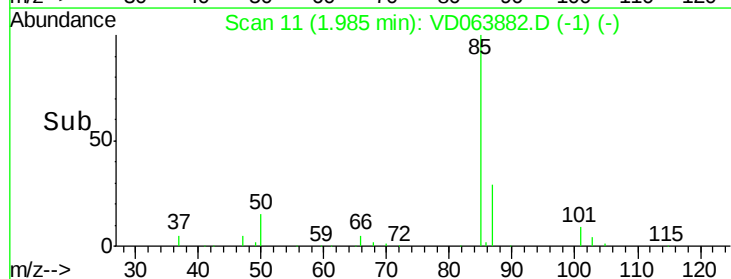
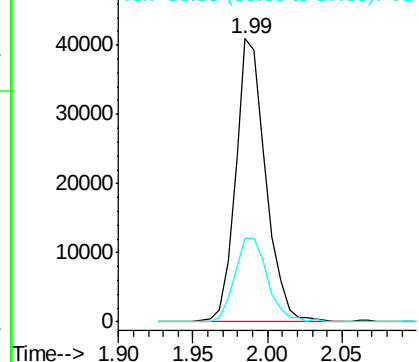


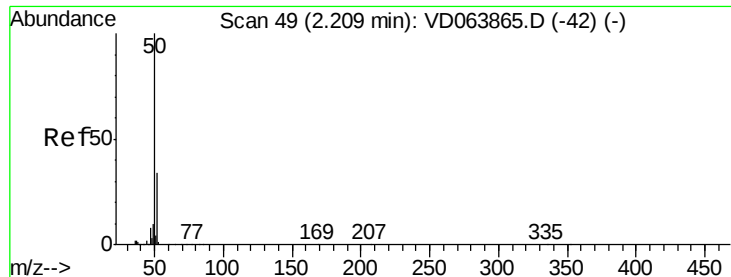
#2
Dichlorodifluoromethane
Concen: 40.872 ug/l
RT: 1.99 min Scan# 11
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 85 Resp: 57420
Ion Ratio Lower Upper
85 100
87 29.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC

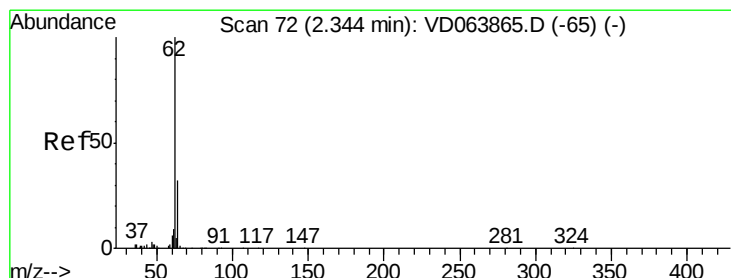
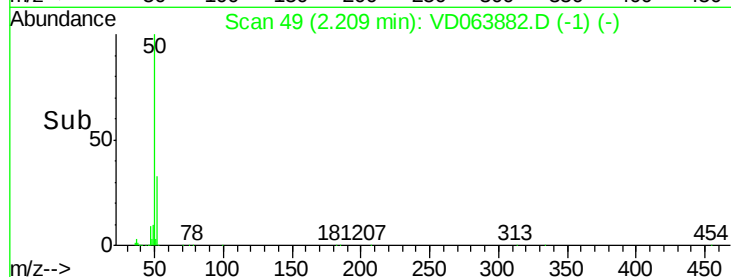
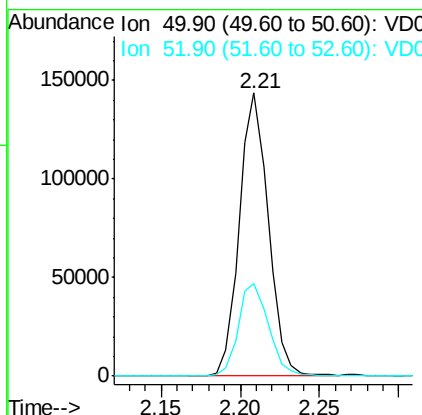
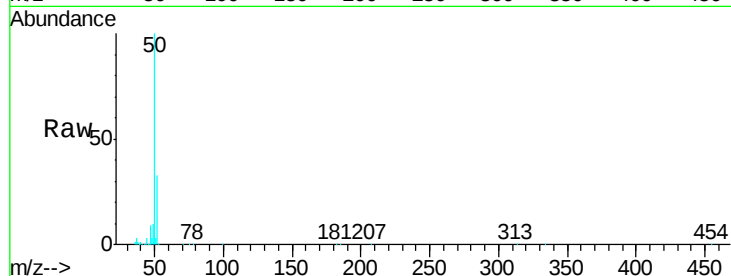




#3
Chloromethane
Concen: 47.684 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

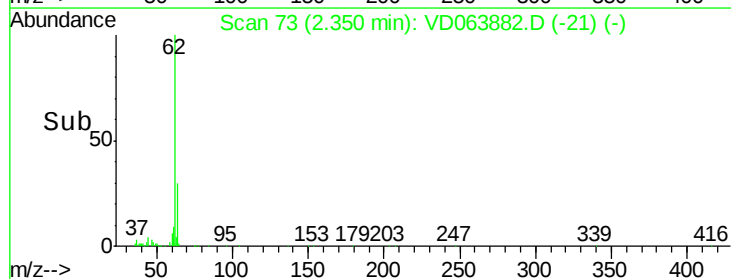
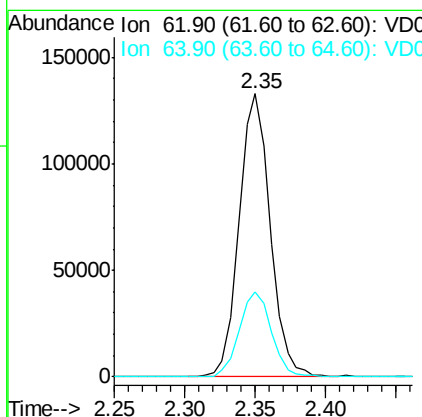
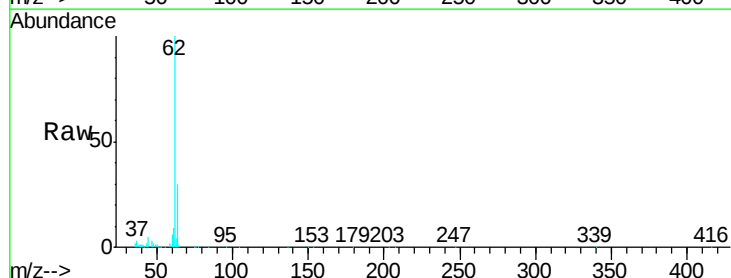
Instrument :
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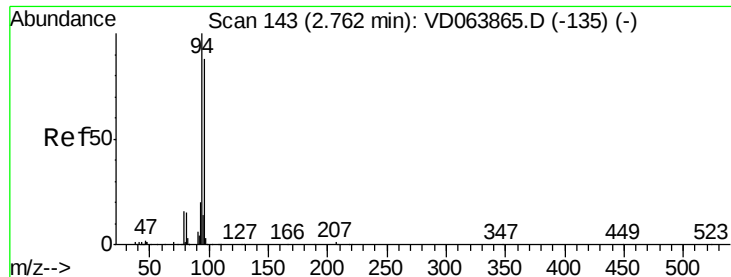
Tgt Ion: 50 Resp: 181723
Ion Ratio Lower Upper
50 100
52 32.6 27.5 41.3



#4
Vinyl Chloride
Concen: 45.124 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 62 Resp: 204889
Ion Ratio Lower Upper
62 100
64 30.2 25.4 38.0





#5

Bromomethane

Concen: 44.541 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

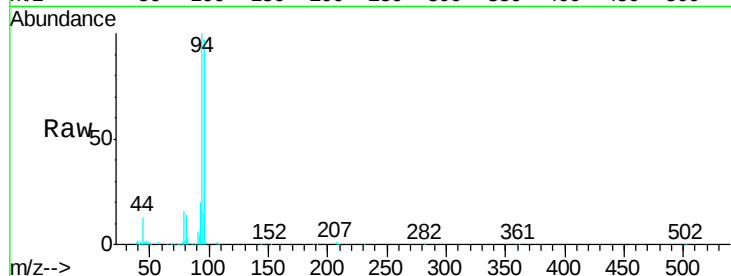
VSTDCCC050EC

Tgt Ion: 94 Resp: 130020

Ion Ratio Lower Upper

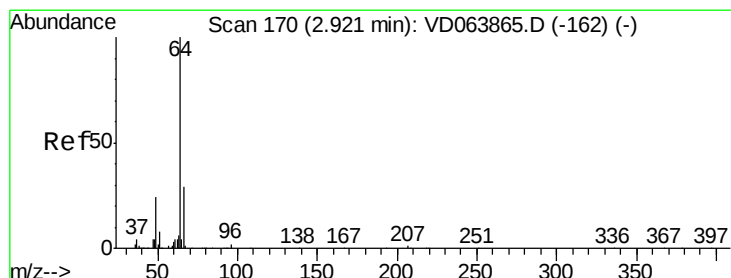
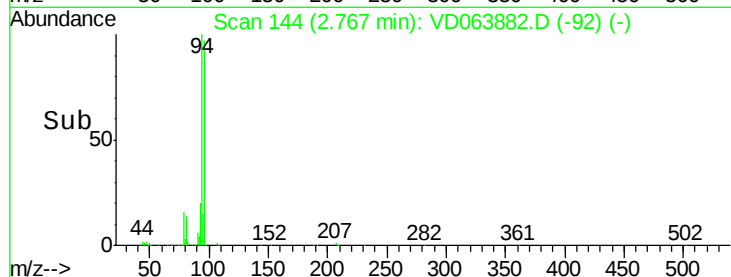
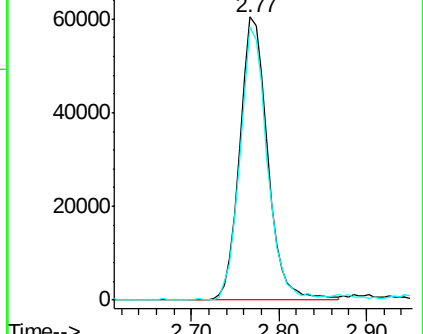
94 100

96 96.6 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: 43.100 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063882.D

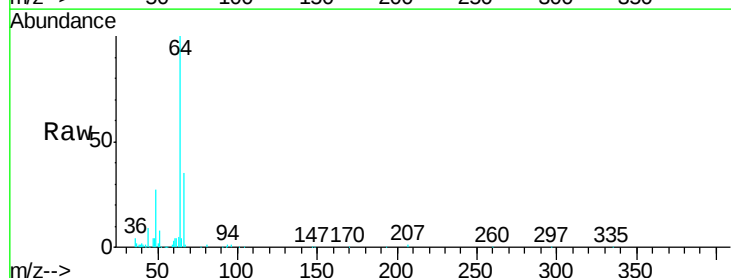
Acq: 03 Oct 2019 18:16

Tgt Ion: 64 Resp: 129424

Ion Ratio Lower Upper

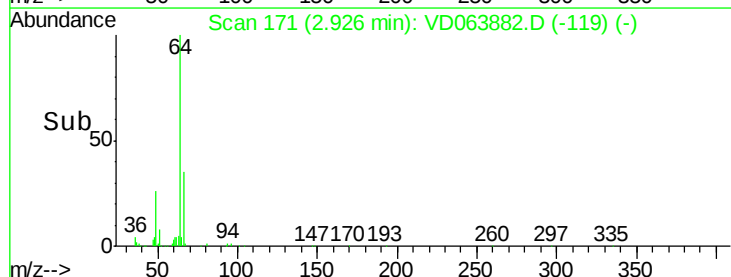
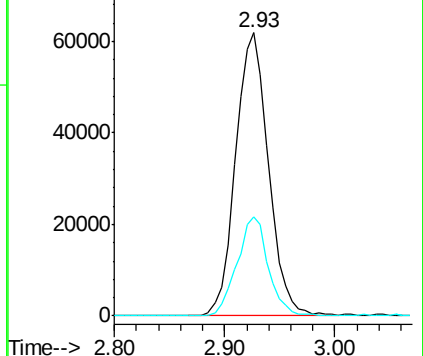
64 100

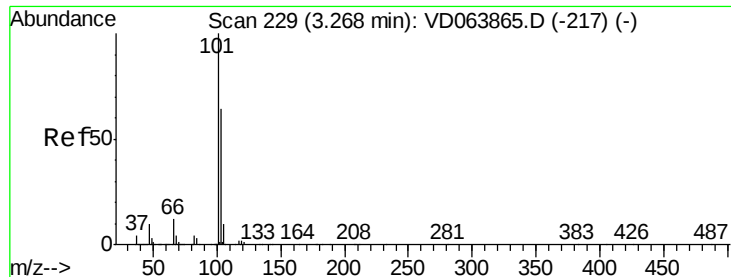
66 34.9 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



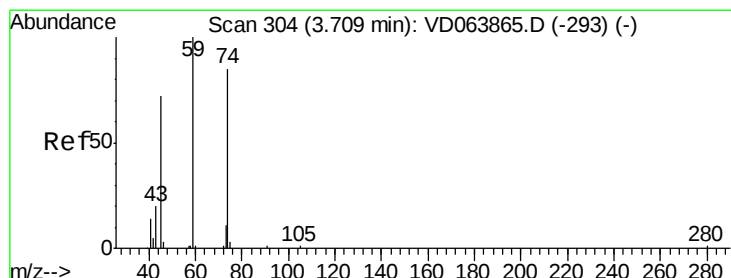
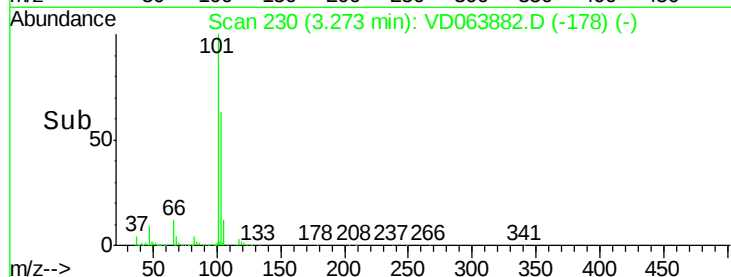
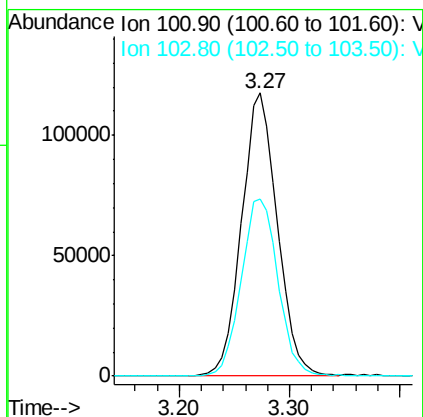
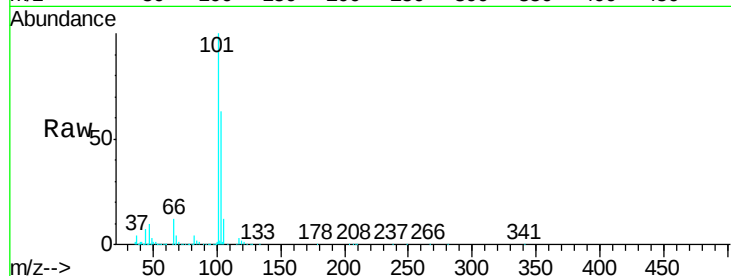


#7

Trichlorofluoromethane
 Concen: 44.547 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
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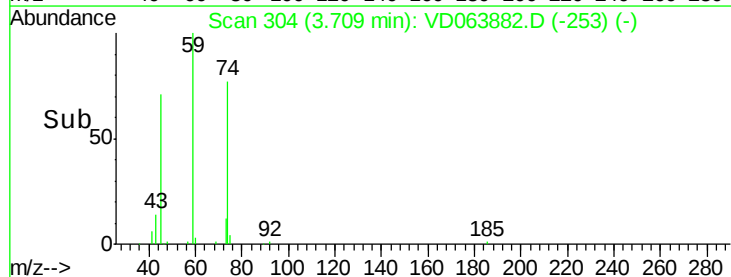
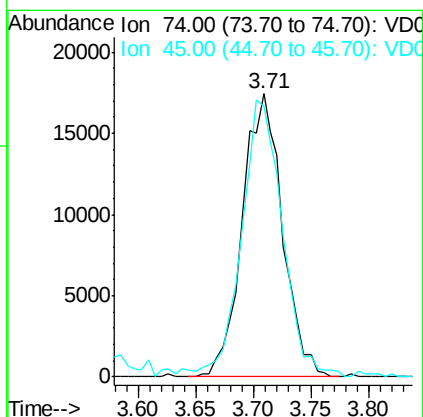
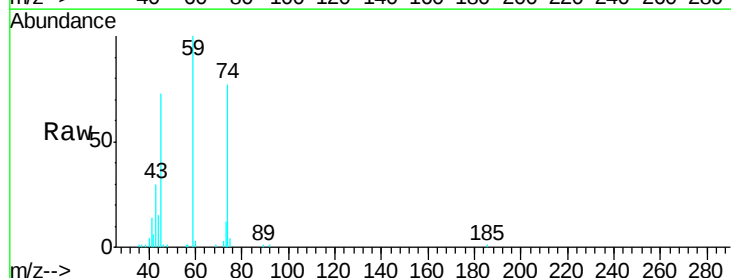
Tgt Ion:101 Resp: 267433
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.1 76.7

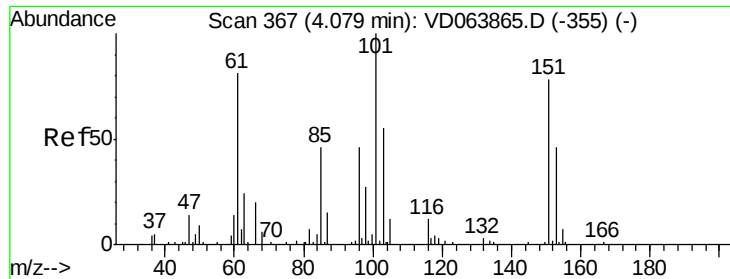


#8

Diethyl Ether
 Concen: 43.604 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 74 Resp: 42016
 Ion Ratio Lower Upper
 74 100
 45 99.8 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.622 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

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VSTDCCC050EC

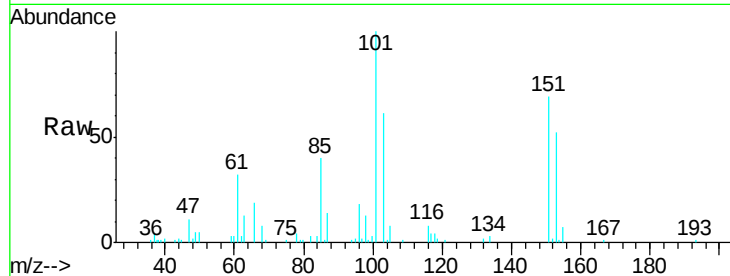
Tgt Ion:101 Resp: 74152

Ion Ratio Lower Upper

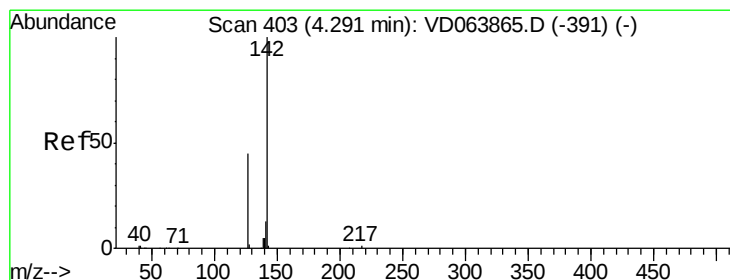
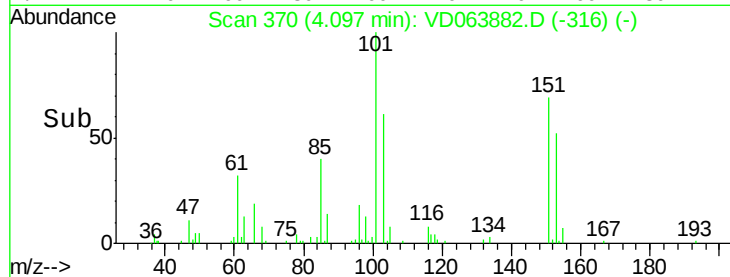
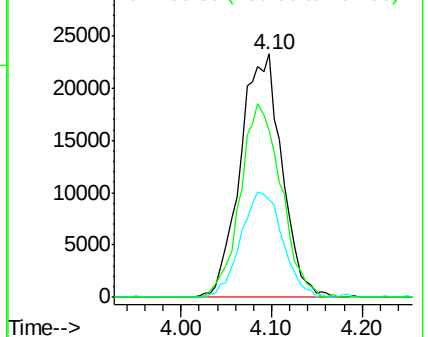
101 100

85 43.6 37.5 56.3

151 78.2 65.5 98.3



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



#10

Methyl Iodide

Concen: 47.623 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

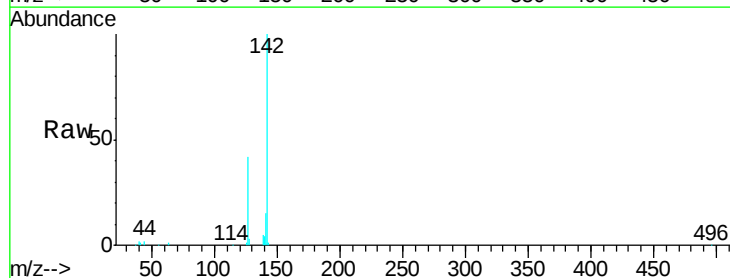
Tgt Ion:142 Resp: 109048

Ion Ratio Lower Upper

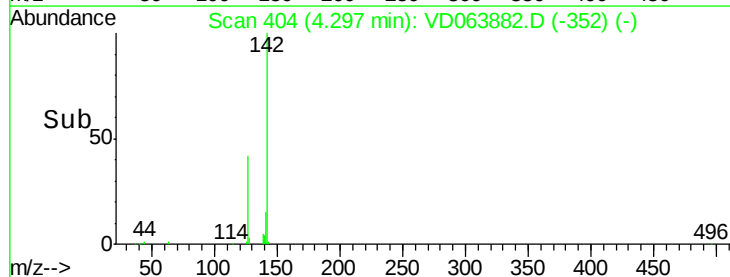
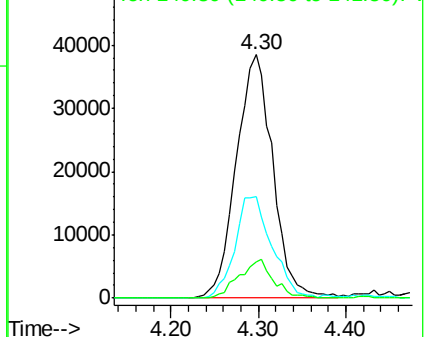
142 100

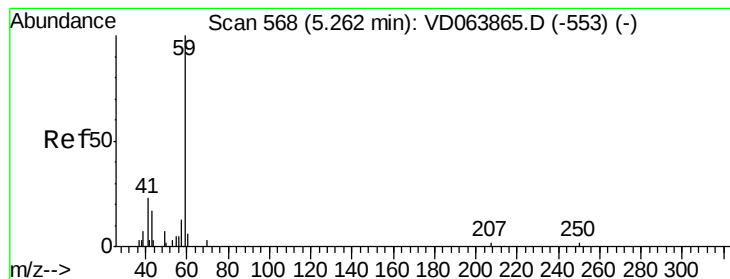
127 42.3 35.3 52.9

141 14.6 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



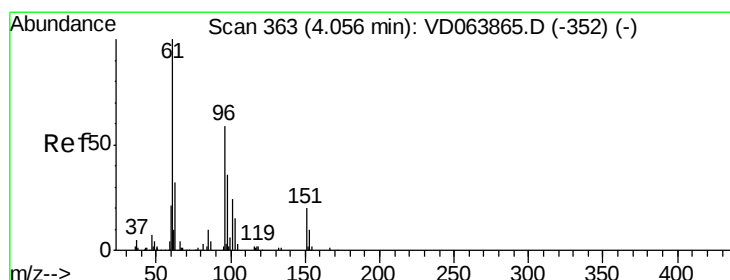
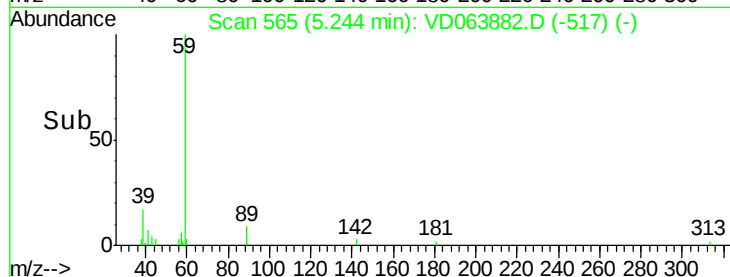
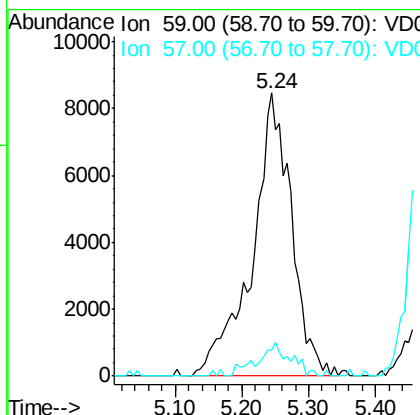
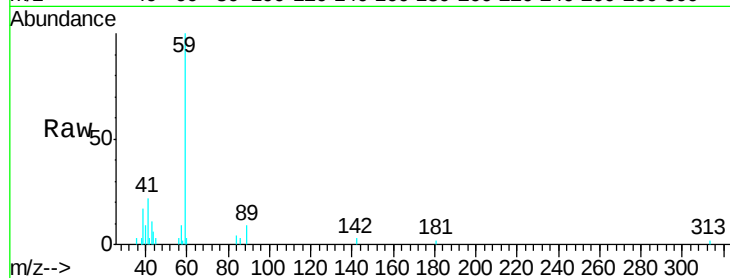


#11

Tert butyl alcohol
 Concen: 259.038 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

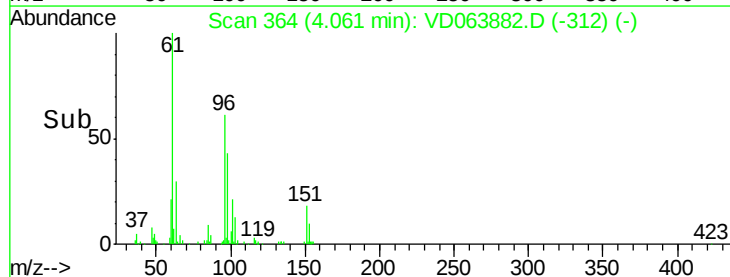
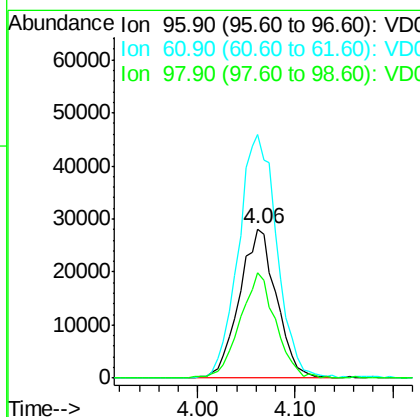
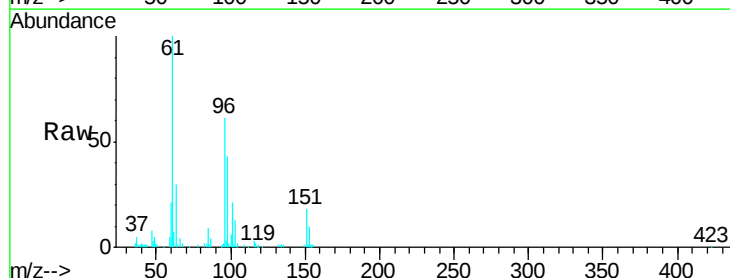
Tgt Ion: 59 Resp: 34669
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.8 13.2#

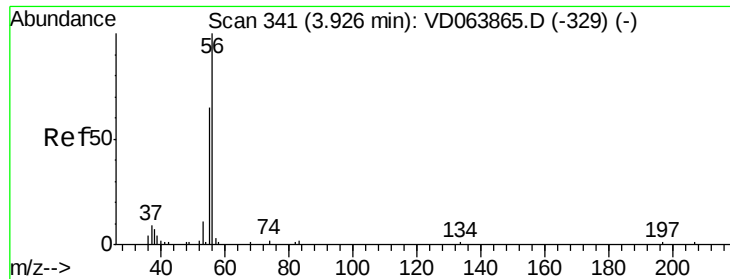


#12

1,1-Dichloroethene
 Concen: 44.763 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 96 Resp: 74317
 Ion Ratio Lower Upper
 96 100
 61 163.3 135.6 203.4
 98 70.4 49.2 73.8





#13

Acrolein

Concen: 201.845 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

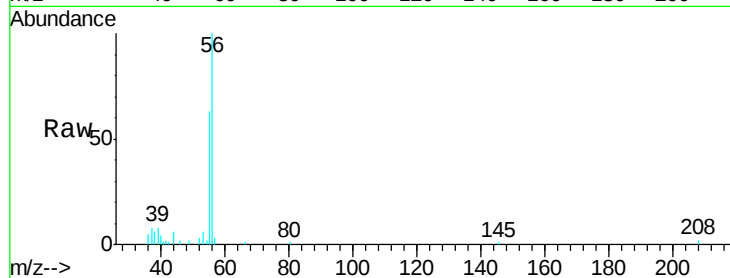
VSTDCCC050EC

Tgt Ion: 56 Resp: 34769

Ion Ratio Lower Upper

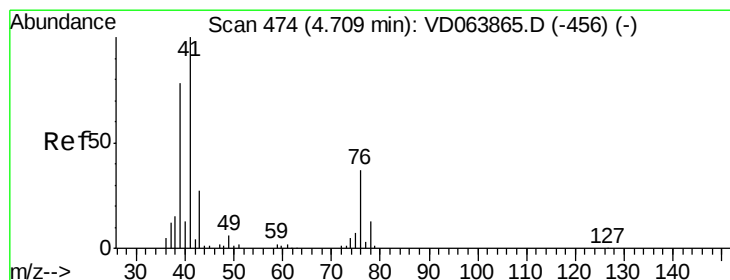
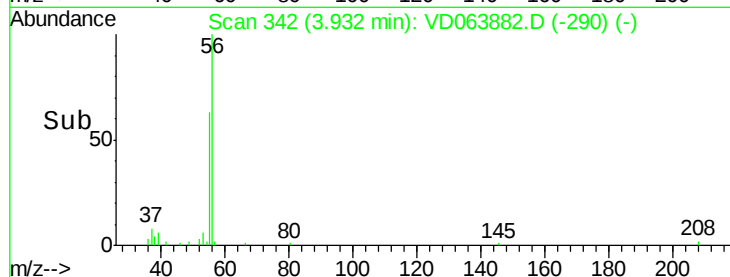
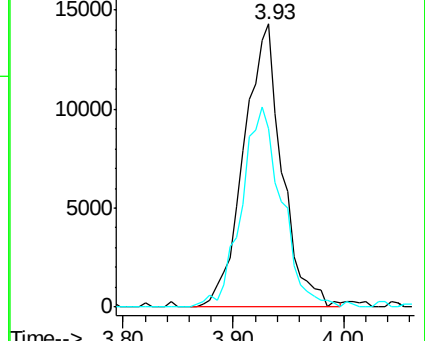
56 100

55 74.2 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.645 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

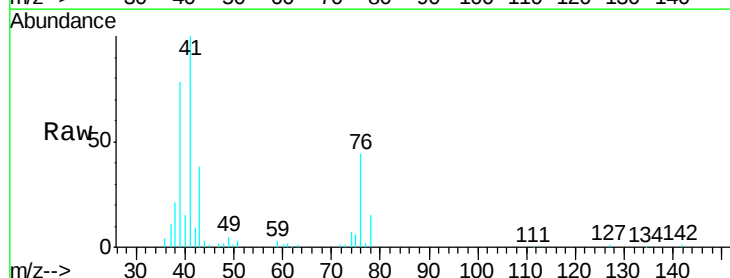
Tgt Ion: 41 Resp: 123232

Ion Ratio Lower Upper

41 100

39 73.1 61.8 92.6

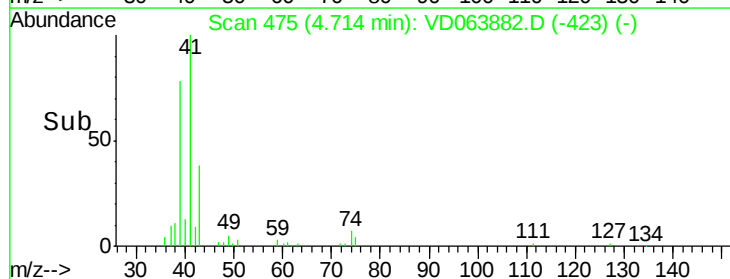
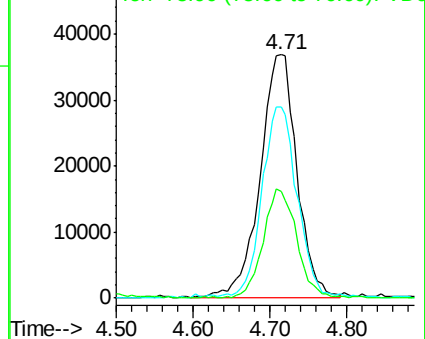
76 40.5 31.3 46.9

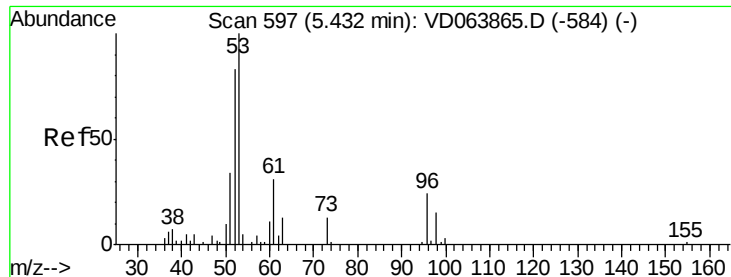


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 240.373 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

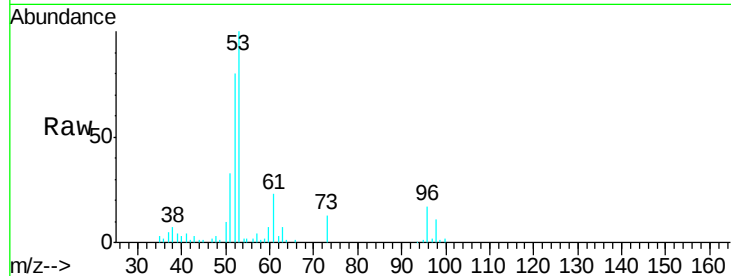
Tgt Ion: 53 Resp: 102117

Ion Ratio Lower Upper

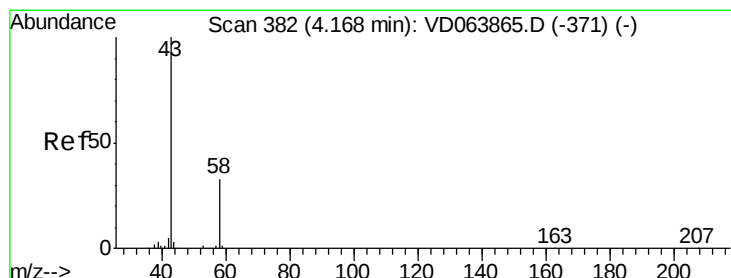
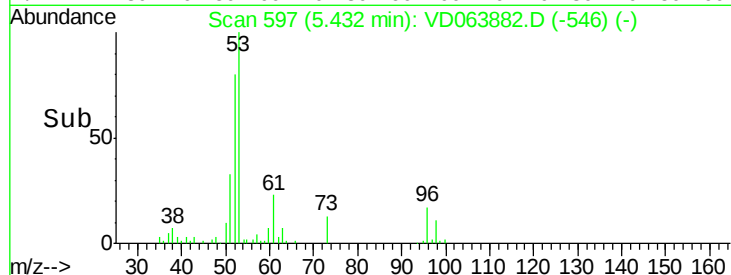
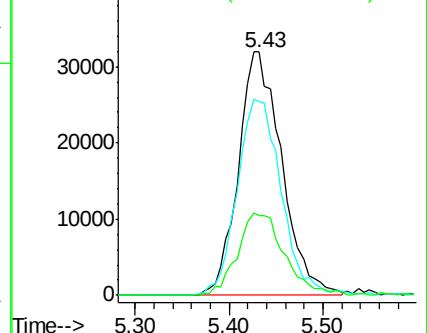
53 100

52 81.8 67.3 100.9

51 36.4 30.5 45.7



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



#16

Acetone

Concen: 213.858 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063882.D

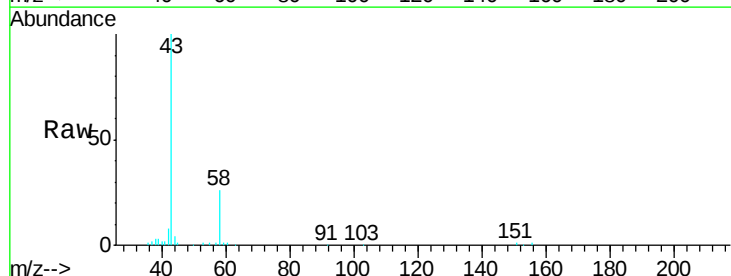
Acq: 03 Oct 2019 18:16

Tgt Ion: 43 Resp: 107385

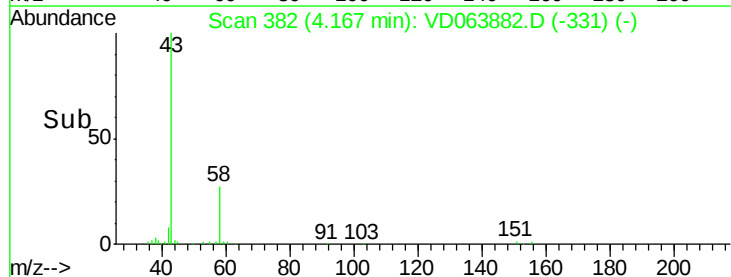
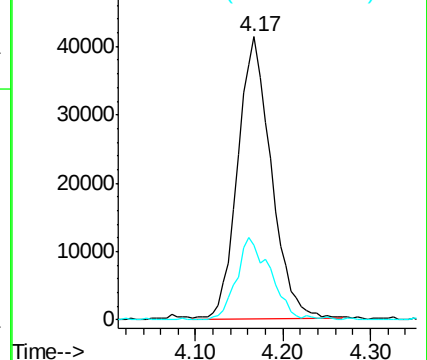
Ion Ratio Lower Upper

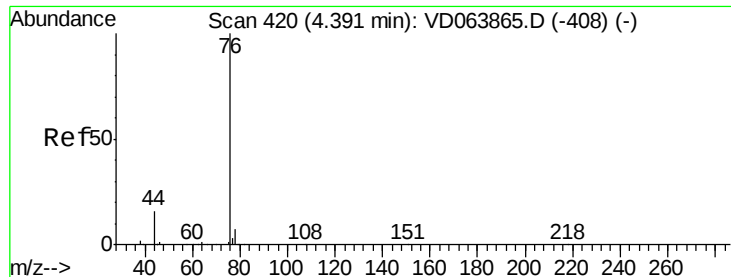
43 100

58 26.6 26.2 39.4



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





#17

Carbon Disulfide

Concen: 44.550 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

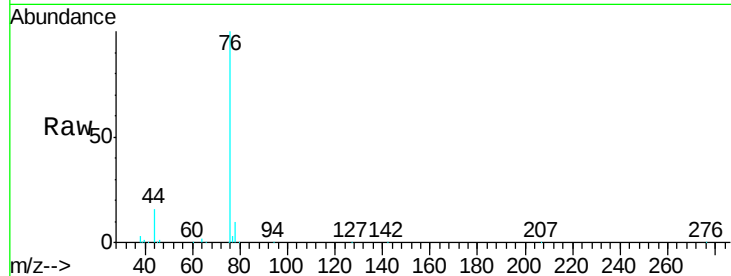
VSTDCCC050EC

Tgt Ion: 76 Resp: 268867

Ion Ratio Lower Upper

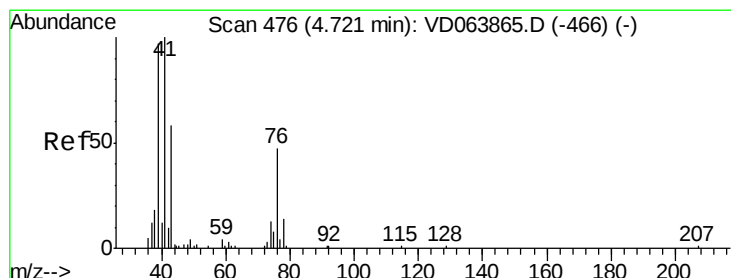
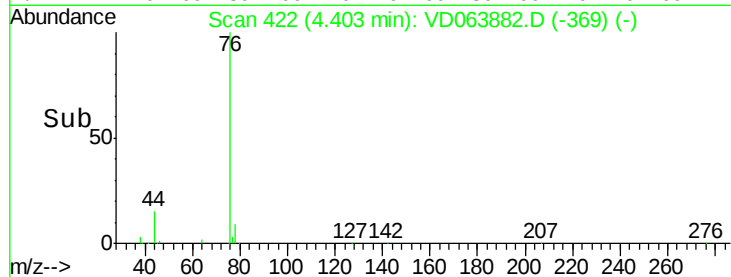
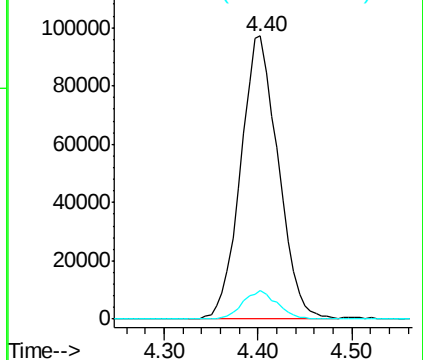
76 100

78 10.0 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 46.416 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD063882.D

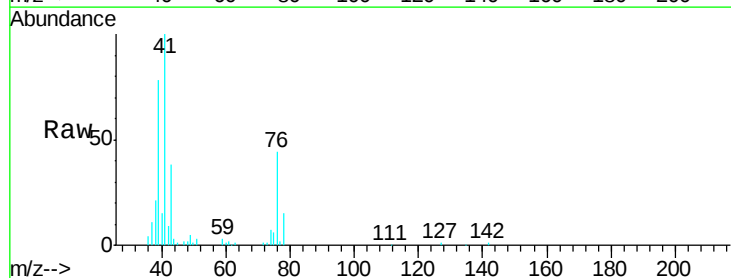
Acq: 03 Oct 2019 18:16

Tgt Ion: 43 Resp: 45586

Ion Ratio Lower Upper

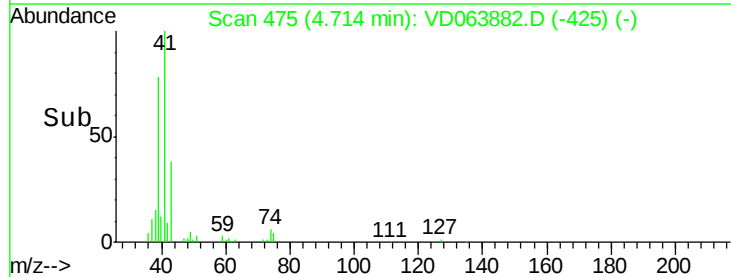
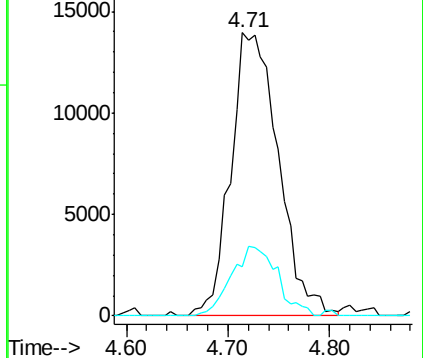
43 100

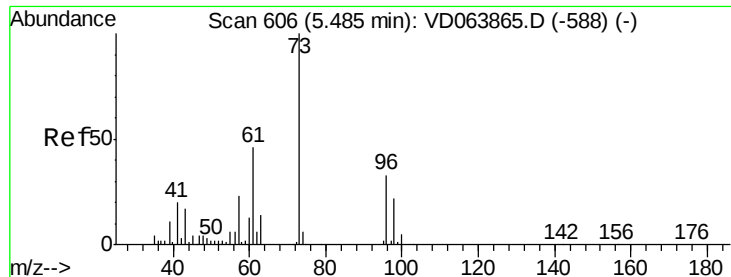
74 23.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

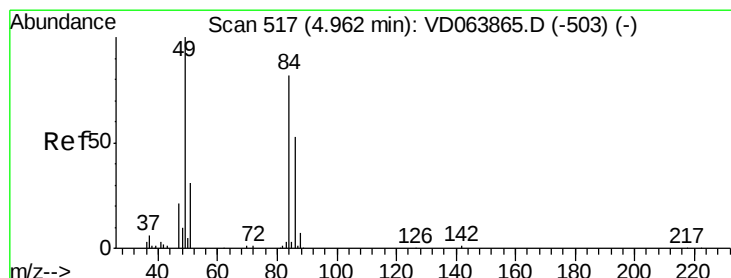
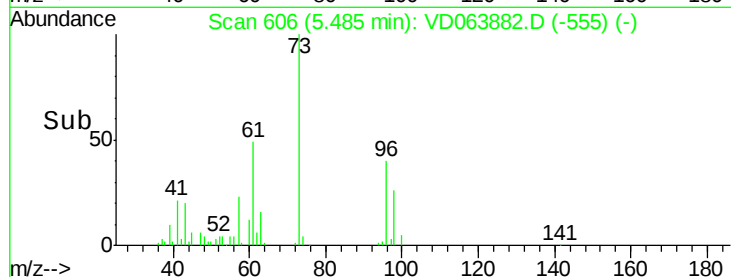
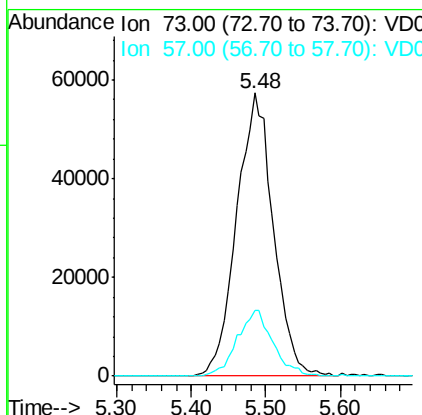
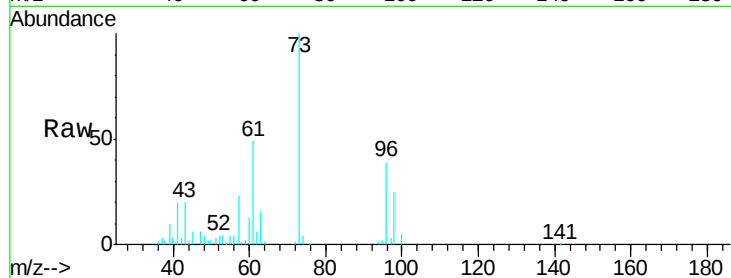




#19
Methyl tert-butyl Ether
Concen: 45.460 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

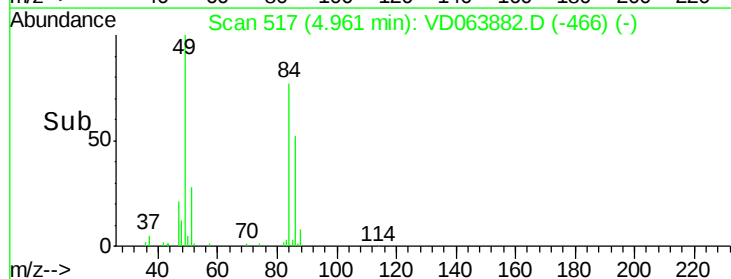
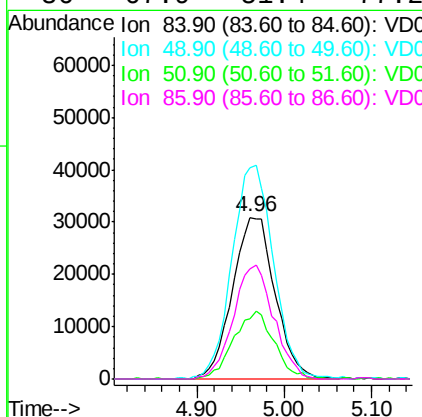
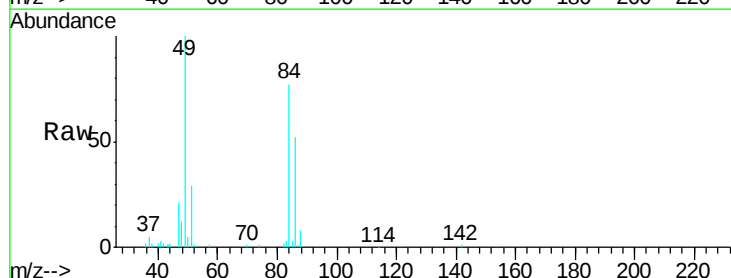
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

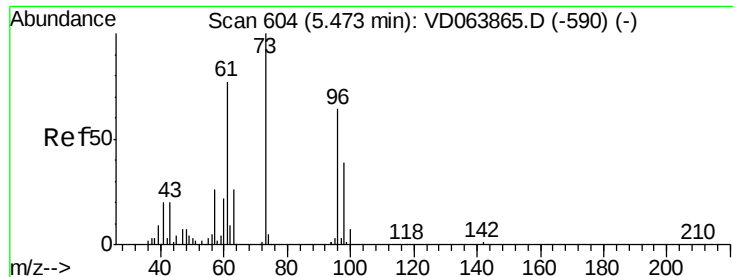
Tgt Ion: 73 Resp: 195439
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 45.717 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 84 Resp: 102434
Ion Ratio Lower Upper
84 100
49 130.5 97.3 145.9
51 37.5 30.1 45.1
86 67.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 45.565 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

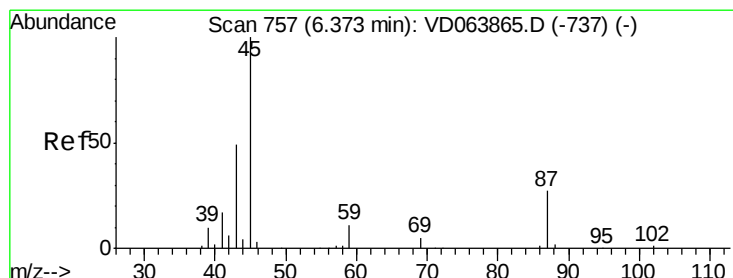
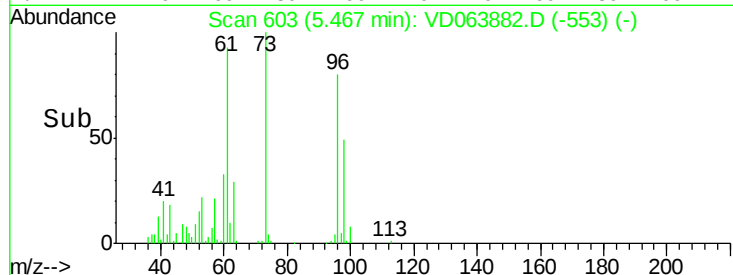
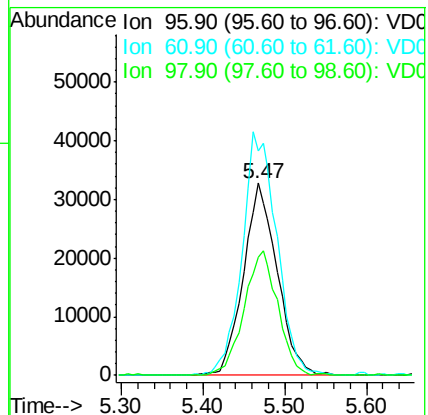
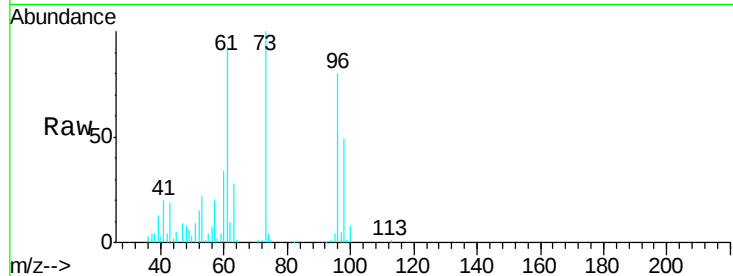
Tgt Ion: 96 Resp: 94173

Ion Ratio Lower Upper

96 100

61 116.8 96.6 145.0

98 61.3 48.7 73.1



#22

Diisopropyl ether

Concen: 47.328 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion: 45 Resp: 266803

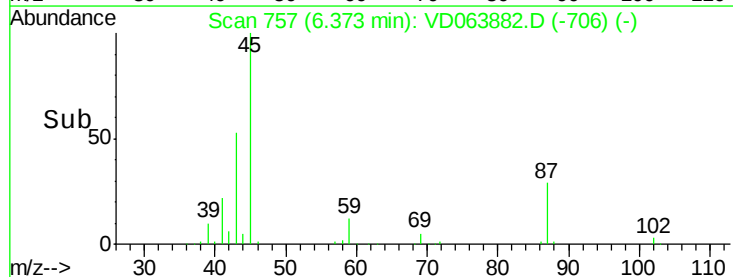
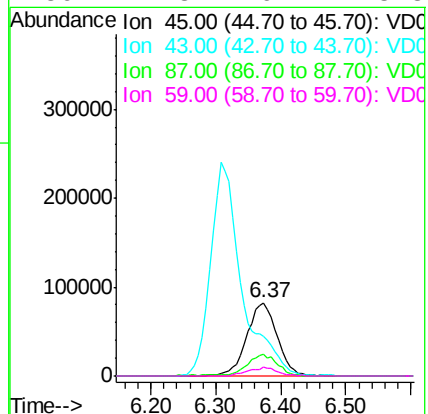
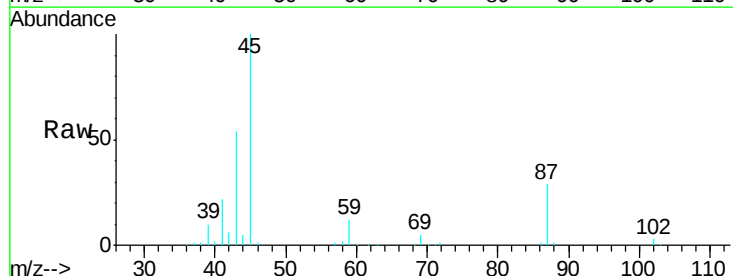
Ion Ratio Lower Upper

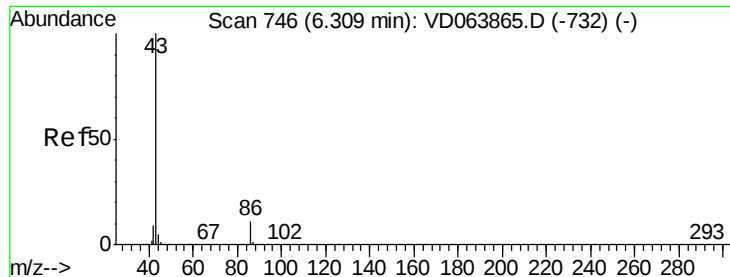
45 100

43 52.9 41.2 61.8

87 29.0 22.2 33.4

59 12.3 9.2 13.8





#23

Vinyl Acetate

Concen: 238.155 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

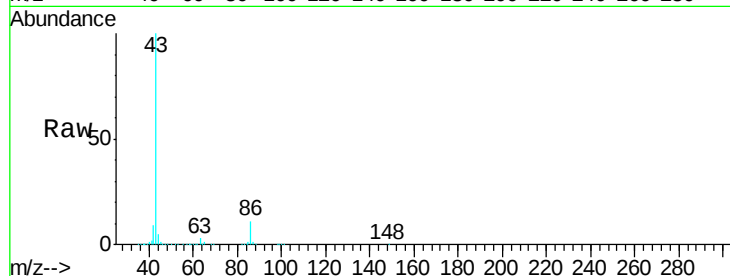
VSTDCCC050EC

Tgt Ion: 43 Resp: 798670

Ion Ratio Lower Upper

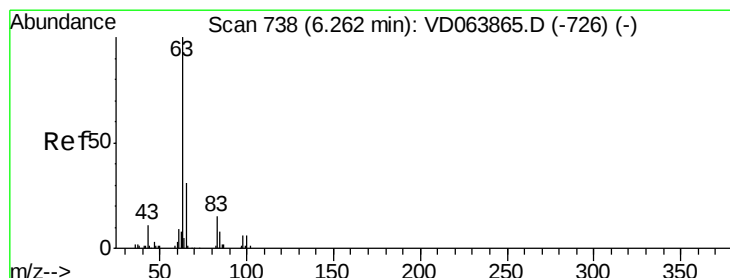
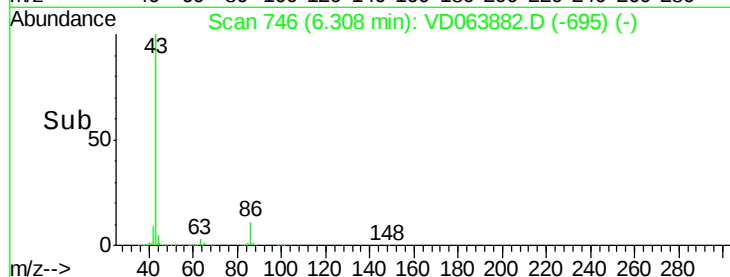
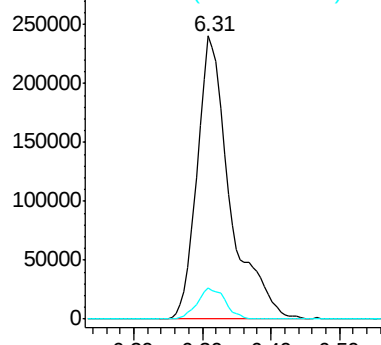
43 100

86 11.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.866 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

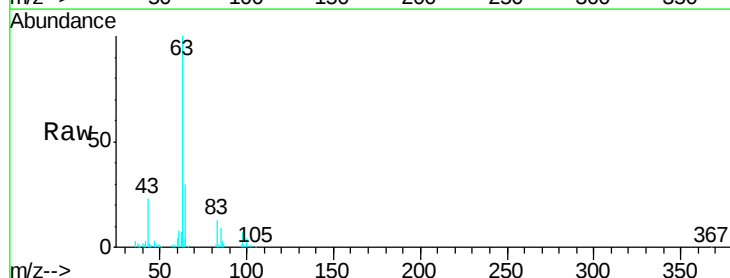
Tgt Ion: 63 Resp: 162736

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.4

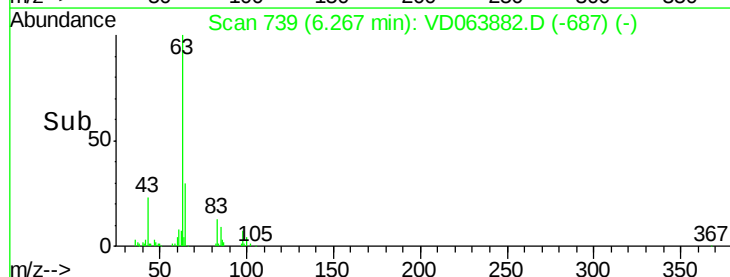
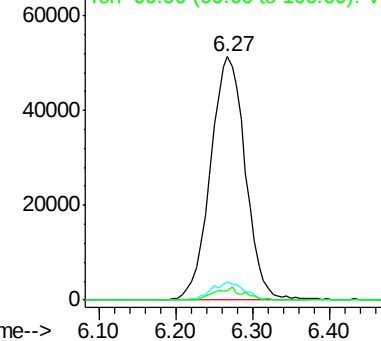
100 3.9 3.0 9.2

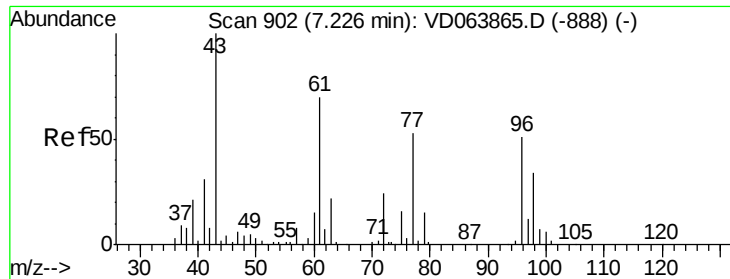


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 222.033 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

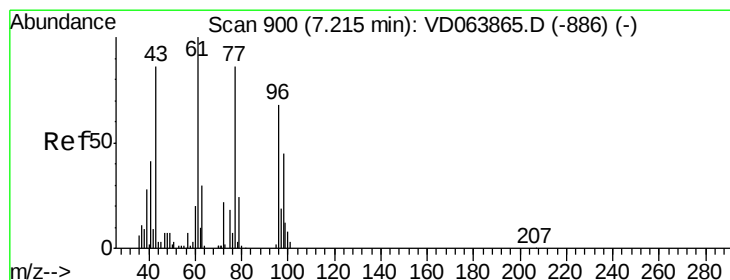
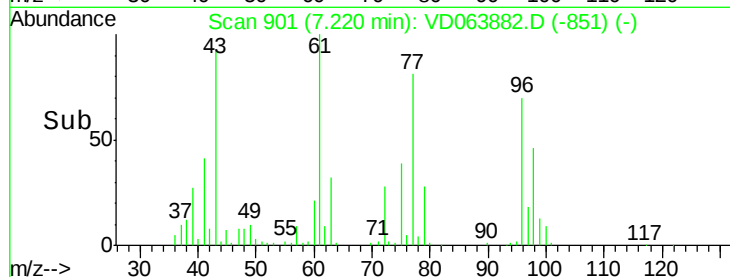
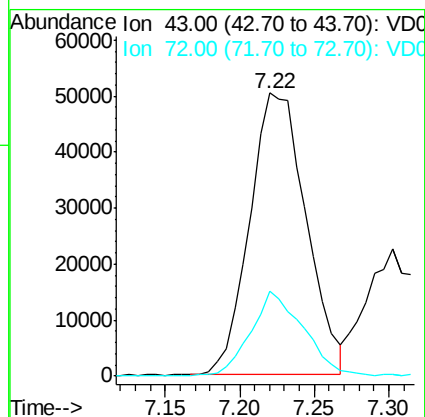
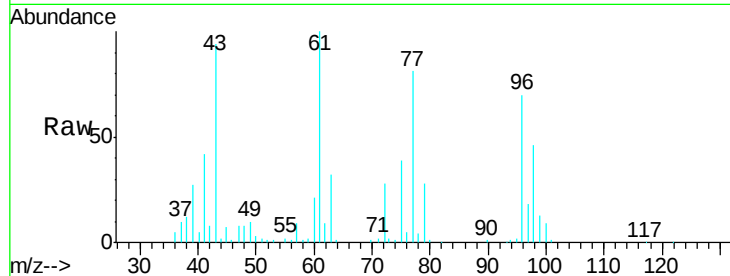
VSTDCCC050EC

Tgt Ion: 43 Resp: 132128

Ion Ratio Lower Upper

43 100

72 30.0 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 45.548 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063882.D

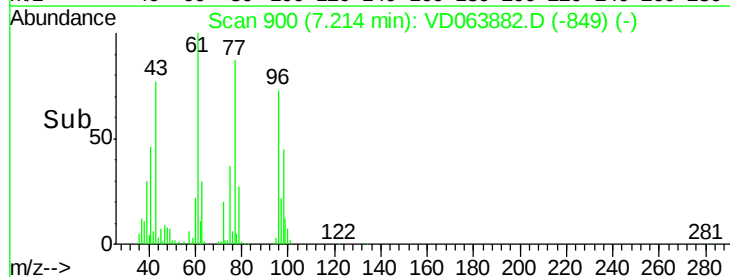
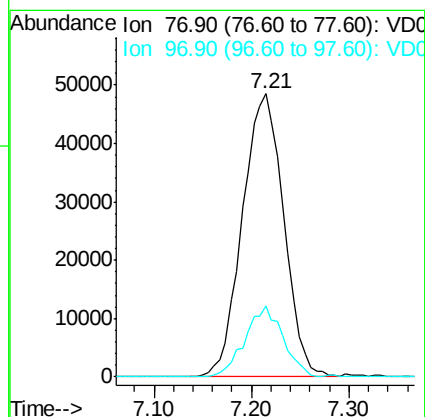
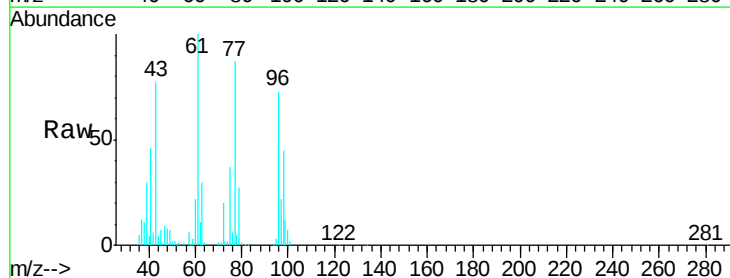
Acq: 03 Oct 2019 18:16

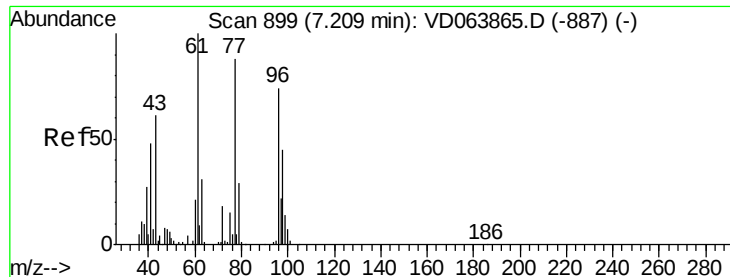
Tgt Ion: 77 Resp: 143070

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1



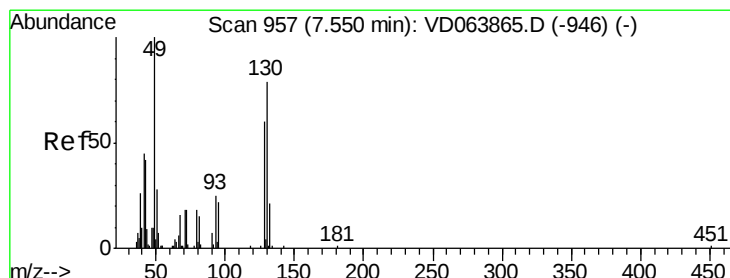
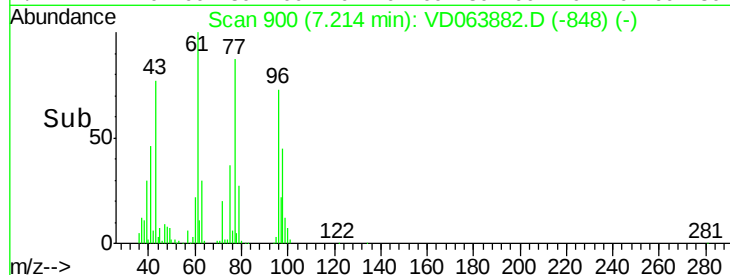
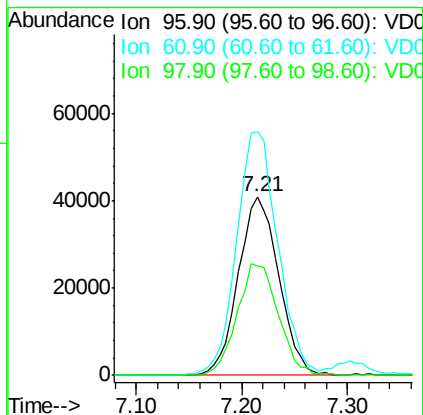
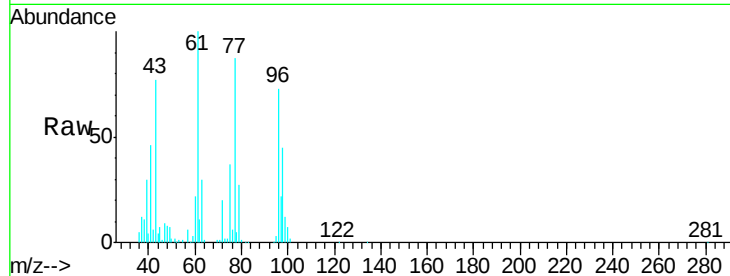


#27

cis-1,2-Dichloroethene
Concen: 46.611 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

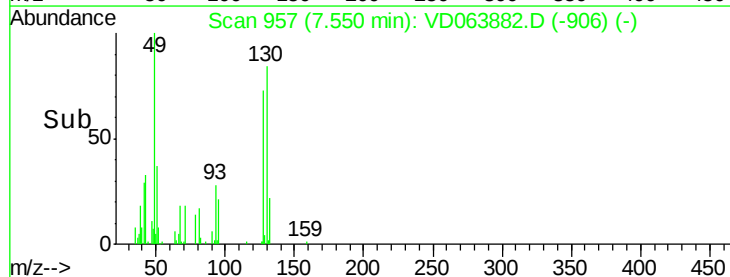
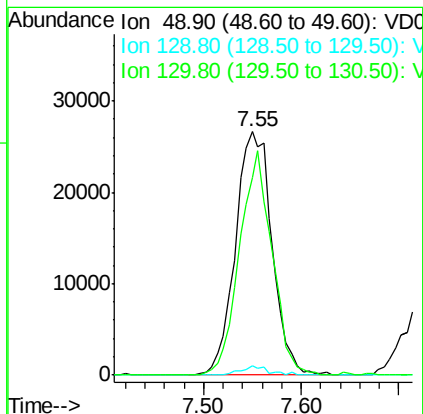
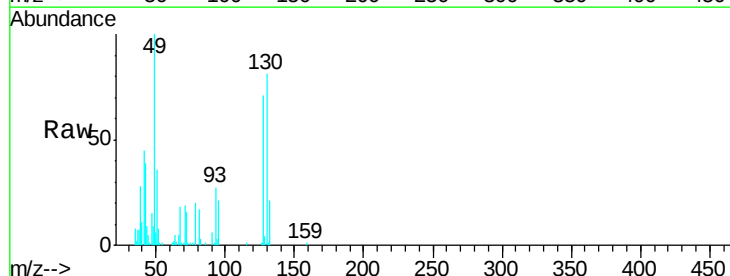
Tgt Ion: 96 Resp: 109040
Ion Ratio Lower Upper
96 100
61 139.0 0.0 280.0
98 63.5 0.0 130.4

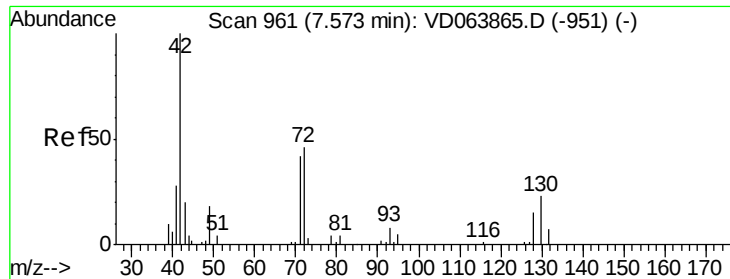


#28

Bromochloromethane
Concen: 52.408 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 49 Resp: 69310
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 82.1 66.8 100.2

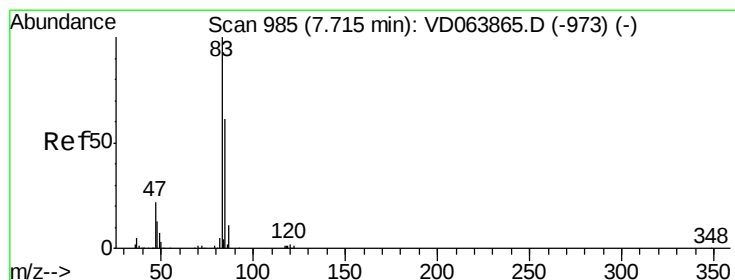
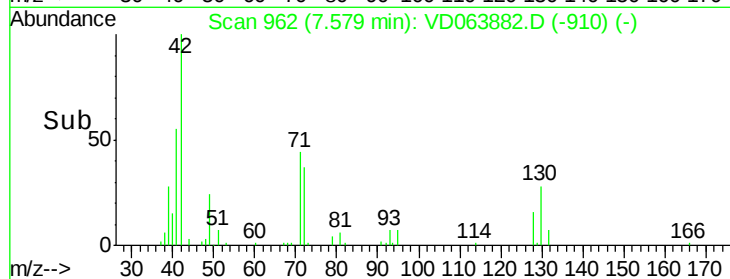
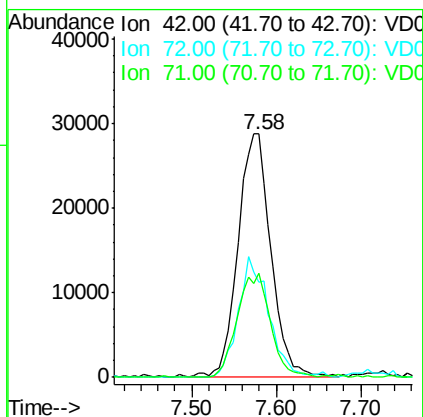
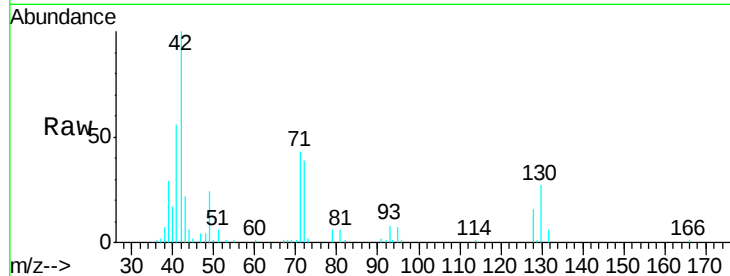




#29
Tetrahydrofuran
Concen: 224.101 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

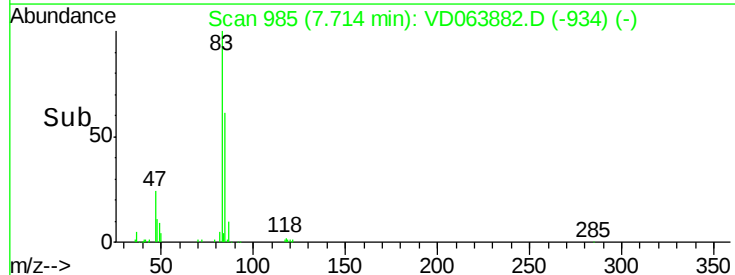
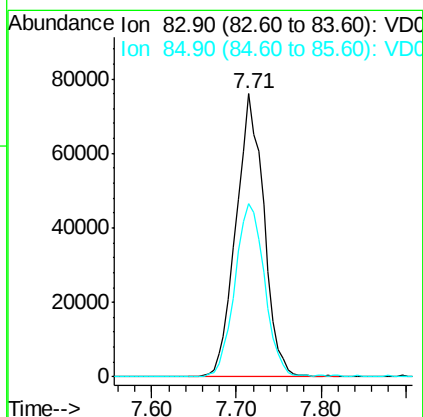
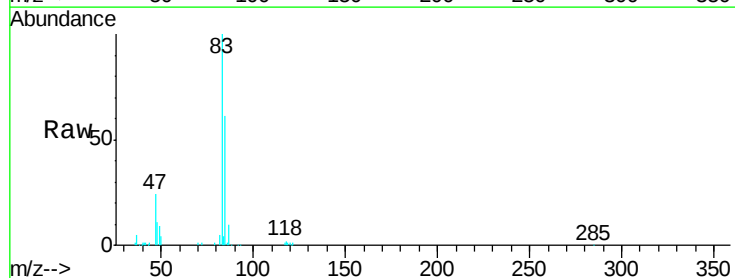
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

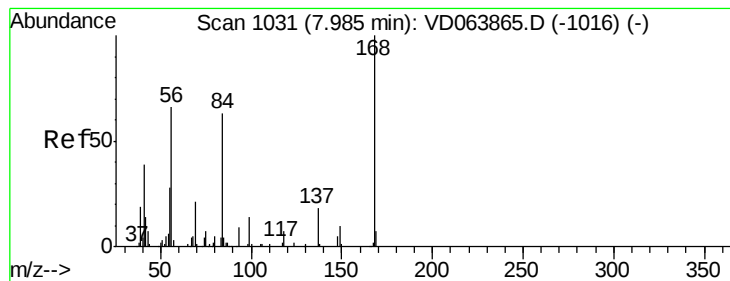
Tgt Ion: 42 Resp: 77839
Ion Ratio Lower Upper
42 100
72 45.6 37.6 56.4
71 43.0 35.0 52.6



#30
Chloroform
Concen: 46.040 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 83 Resp: 173636
Ion Ratio Lower Upper
83 100
85 61.2 48.9 73.3





#31

Cyclohexane

Concen: 48.985 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

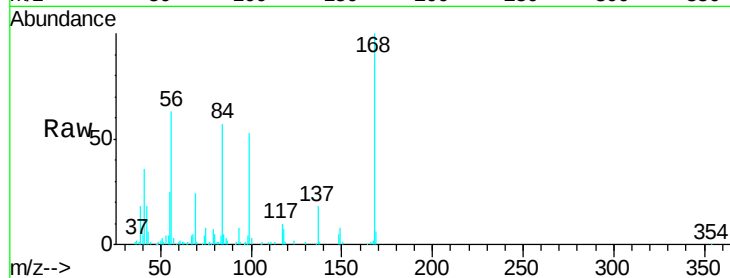
Tgt Ion: 56 Resp: 140862

Ion Ratio Lower Upper

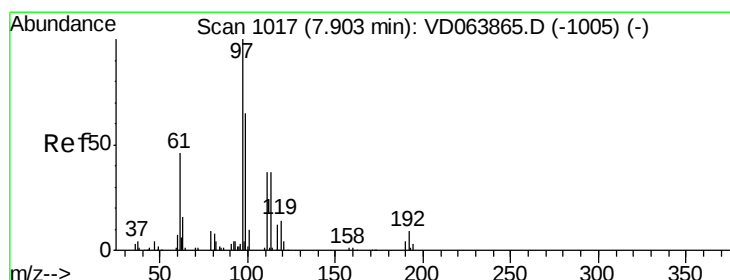
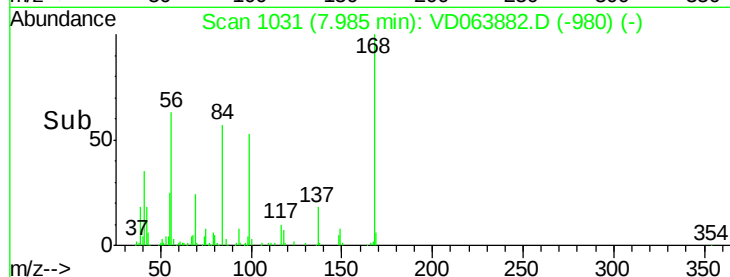
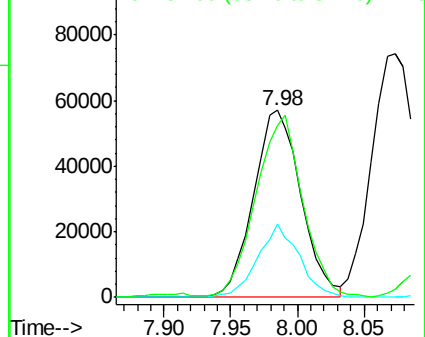
56 100

69 39.1 25.0 37.4#

84 90.4 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: 46.170 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

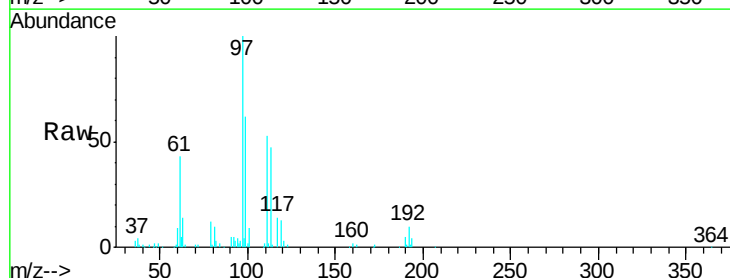
Tgt Ion: 97 Resp: 149367

Ion Ratio Lower Upper

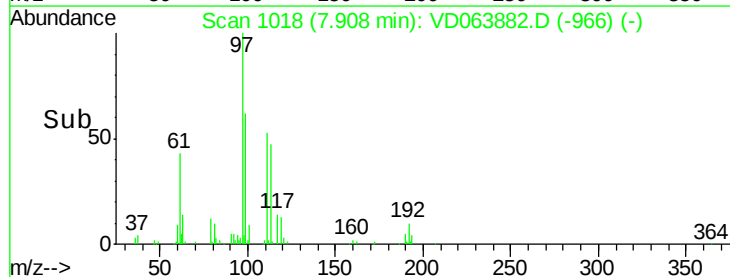
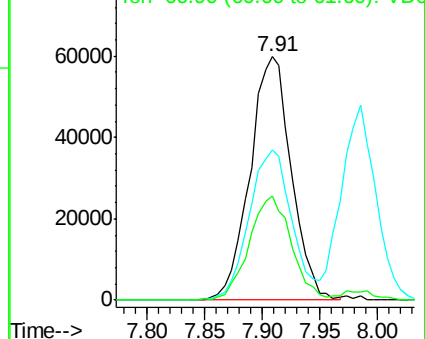
97 100

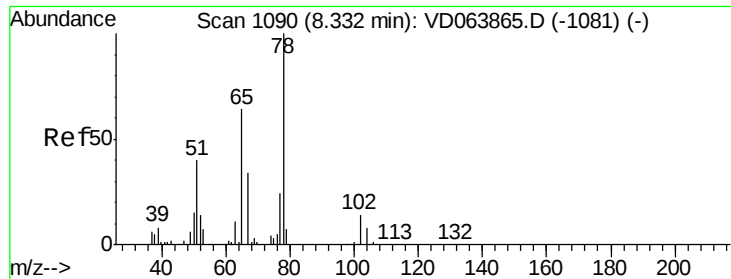
99 64.3 52.4 78.6

61 43.6 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

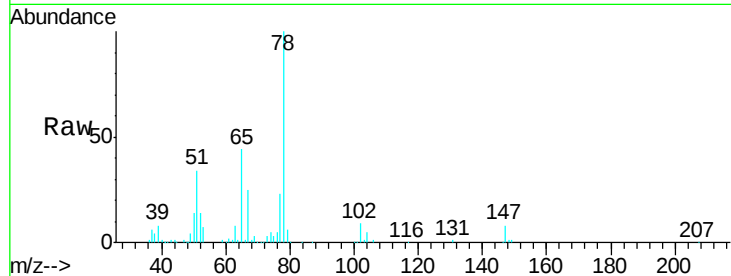




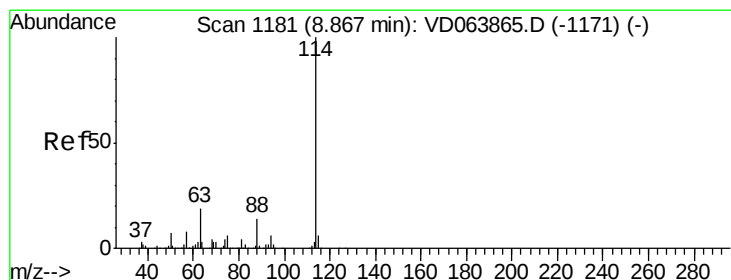
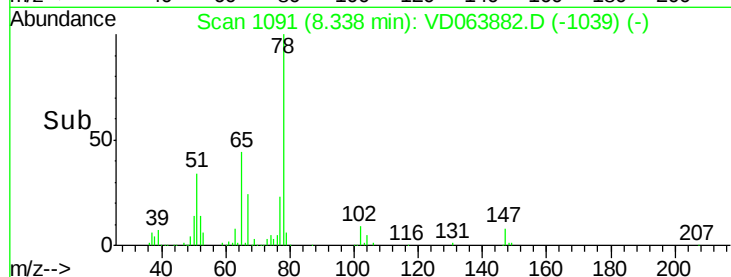
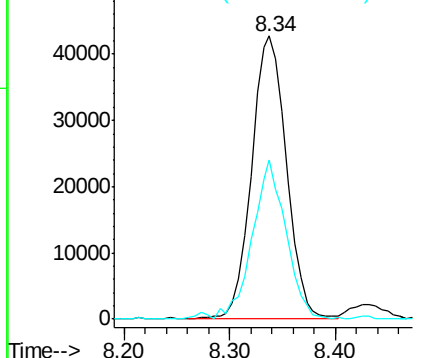
#33
 1,2-Dichloroethane-d4
 Concen: 50.759 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 97896
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.4

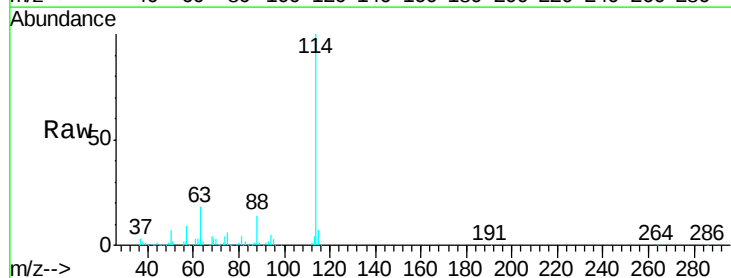


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

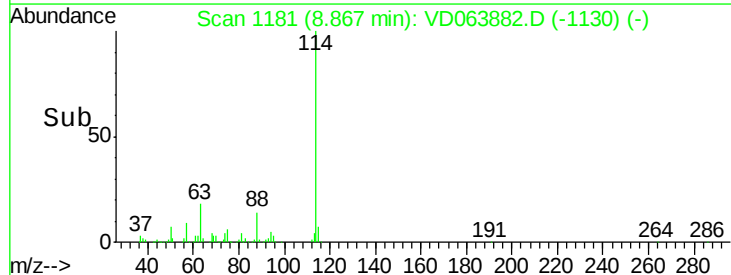
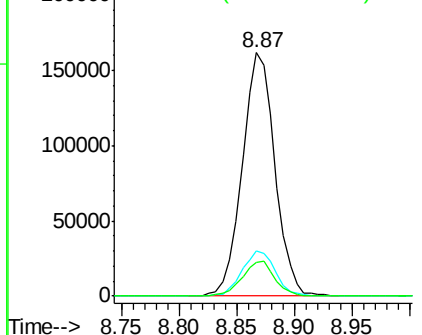


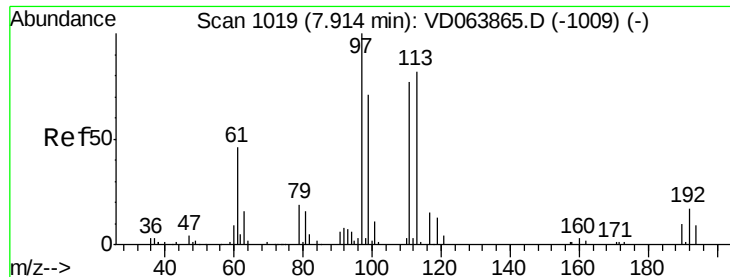
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 114 Resp: 317984
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 13.9 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): VDC
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

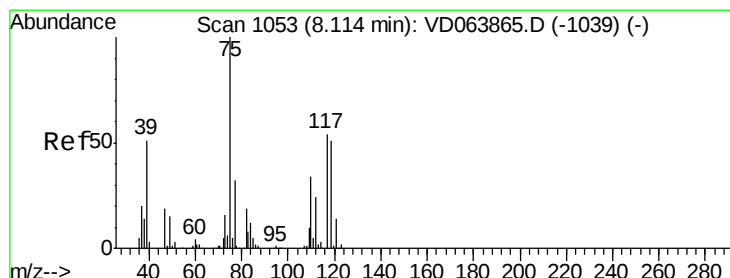
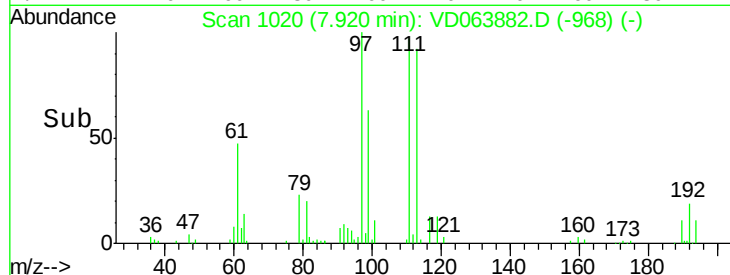
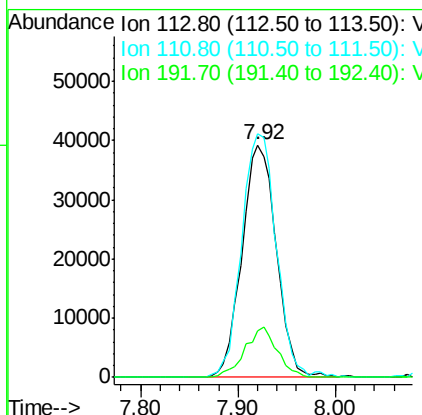
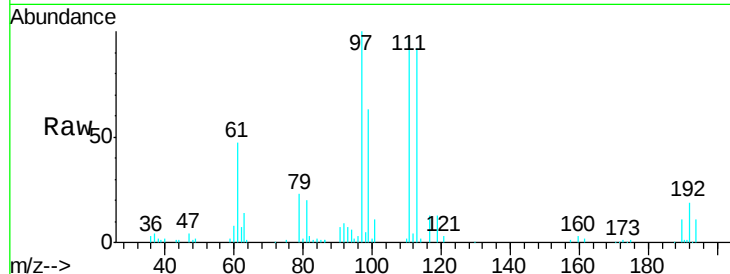




#35
 Dibromofluoromethane
 Concen: 49.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

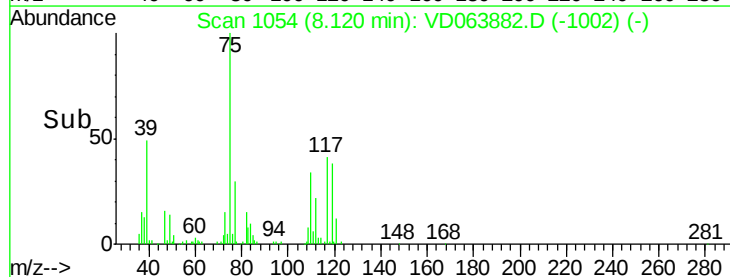
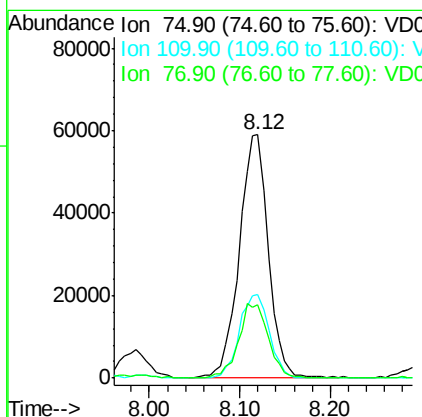
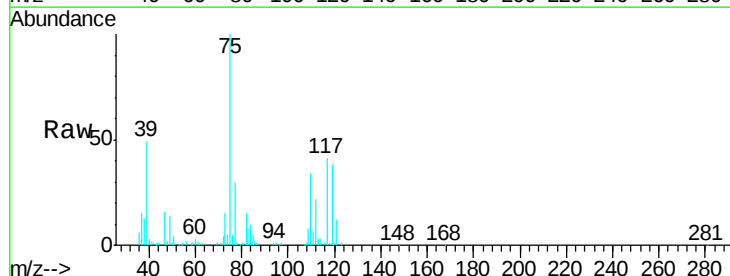
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

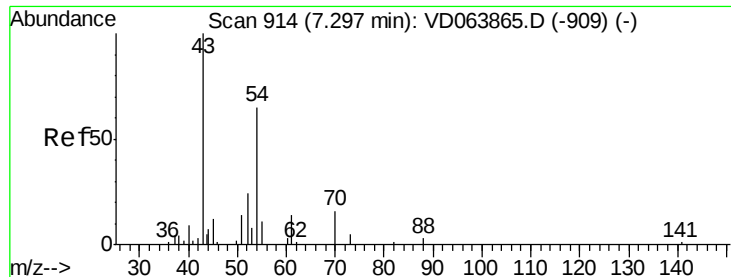
Tgt Ion: 113 Resp: 96840
 Ion Ratio Lower Upper
 113 100
 111 106.2 82.6 123.8
 192 20.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 45.154 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 75 Resp: 131281
 Ion Ratio Lower Upper
 75 100
 110 35.4 17.4 52.3
 77 31.4 25.4 38.0

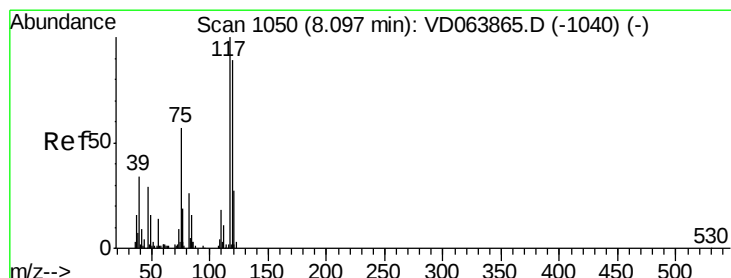
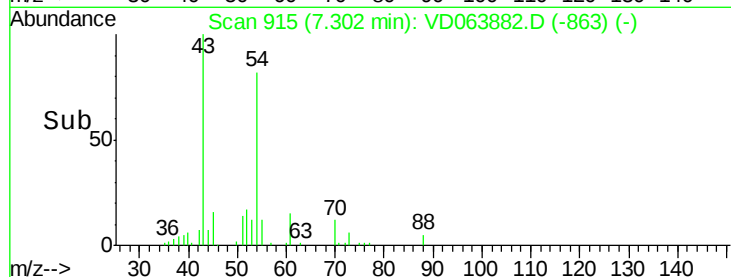
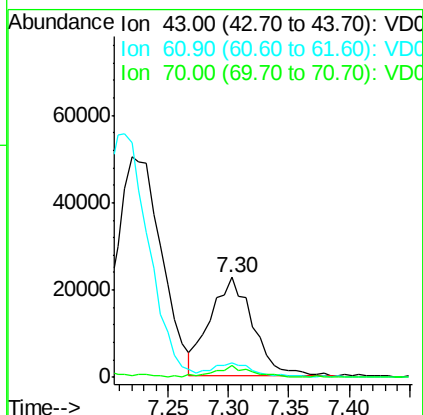
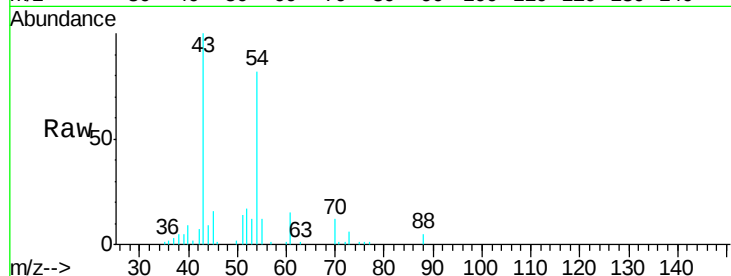




#37
Ethyl Acetate
Concen: 47.176 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

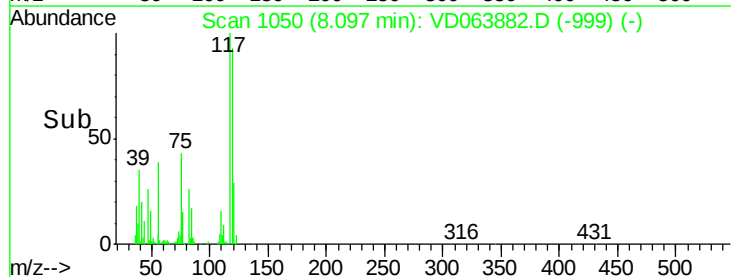
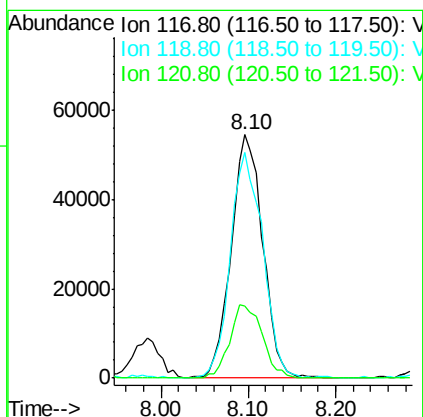
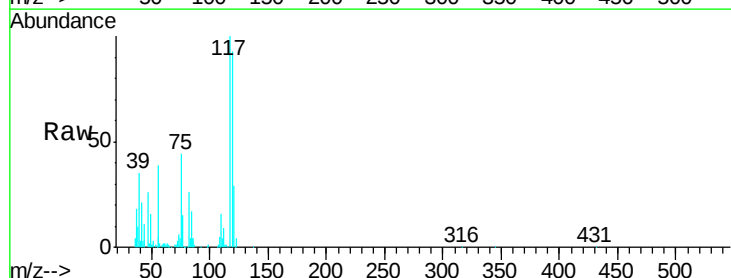
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

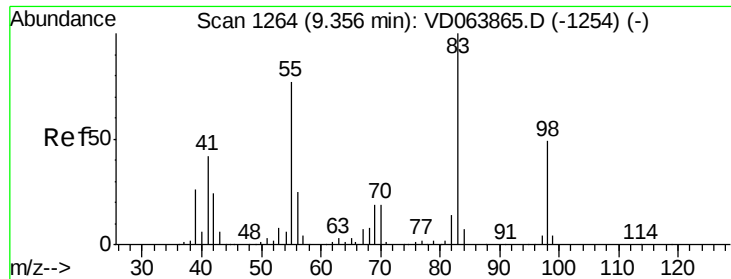
Tgt Ion: 43 Resp: 55262
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 10.2 8.2 12.4



#38
Carbon Tetrachloride
Concen: 45.410 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 117 Resp: 133418
Ion Ratio Lower Upper
117 100
119 92.9 70.8 106.2
121 29.5 21.4 32.0

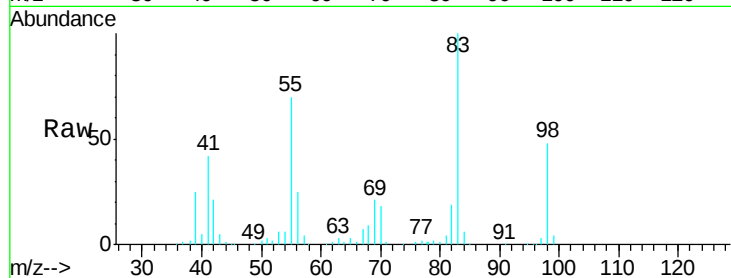




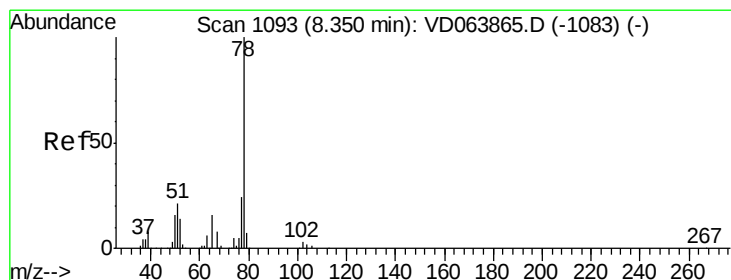
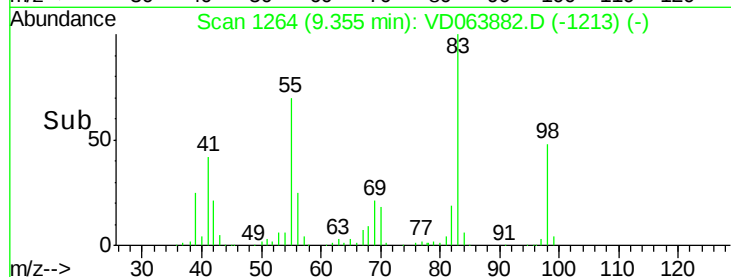
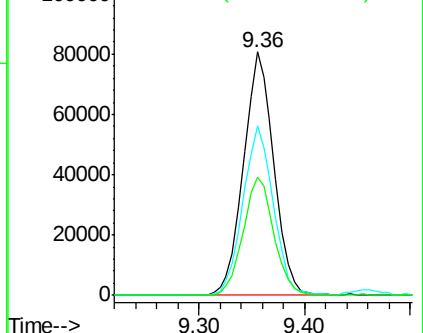
#39
Methylcyclohexane
Concen: 45.040 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 161008
Ion Ratio Lower Upper
83 100
55 69.6 61.3 91.9
98 48.4 39.3 58.9

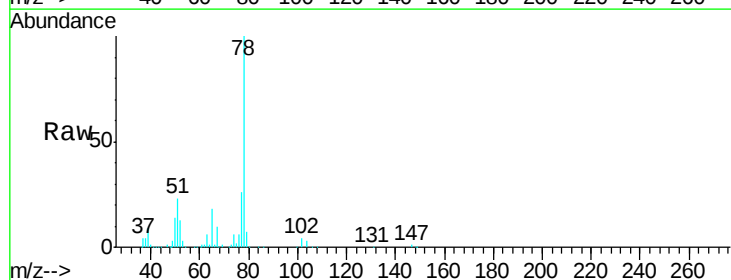


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

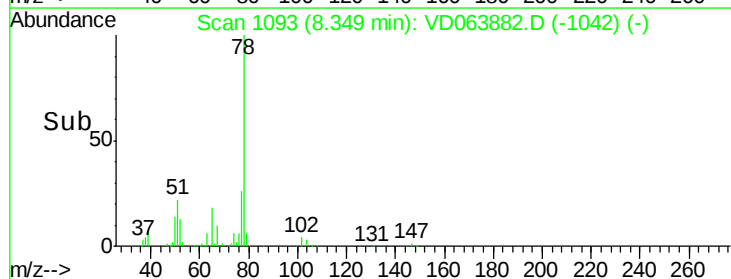
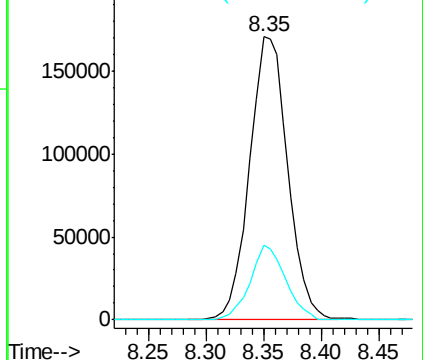


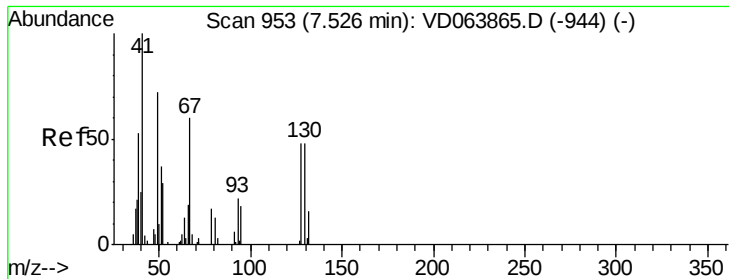
#40
Benzene
Concen: 47.092 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 78 Resp: 392363
Ion Ratio Lower Upper
78 100
77 26.3 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 51.224 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 34529

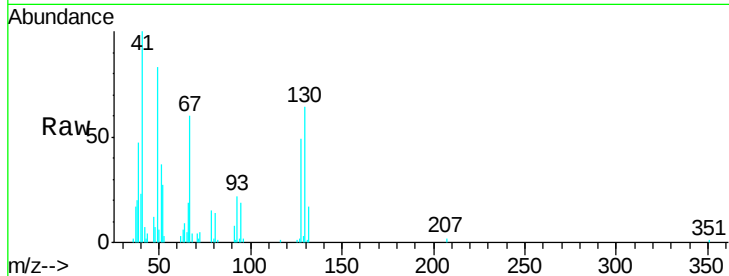
Ion Ratio Lower Upper

41 100

39 0.0 52.6 78.8#

67 70.9 74.2 111.2#

52 28.4 34.0 51.0#

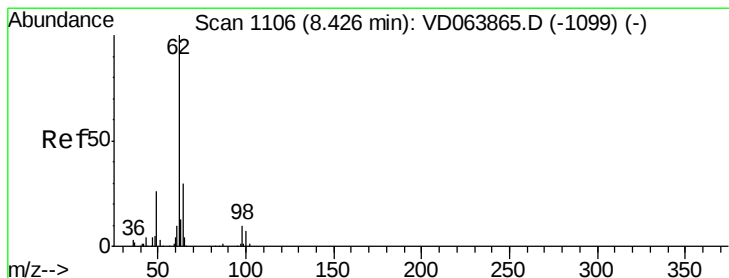
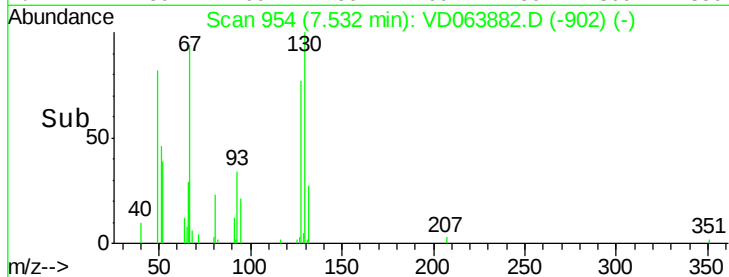
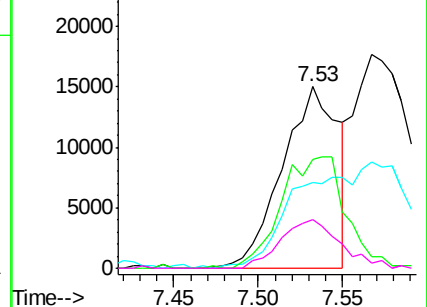


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 45.911 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063882.D

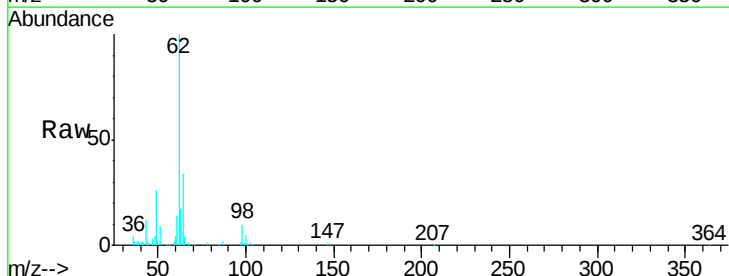
Acq: 03 Oct 2019 18:16

Tgt Ion: 62 Resp: 110649

Ion Ratio Lower Upper

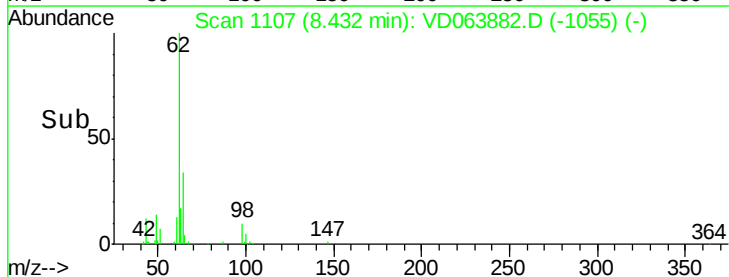
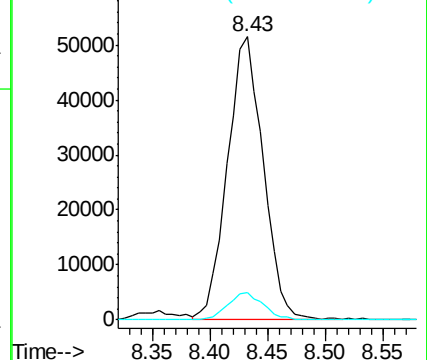
62 100

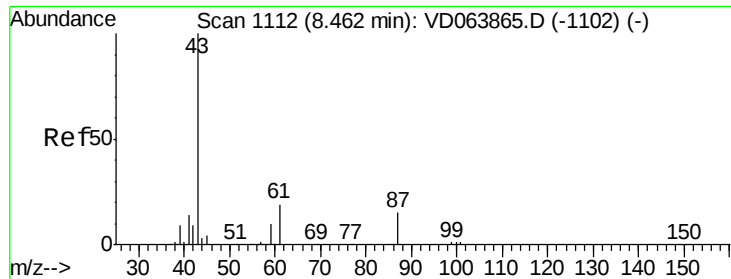
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

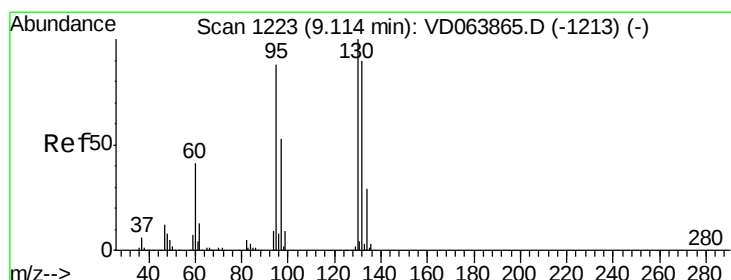
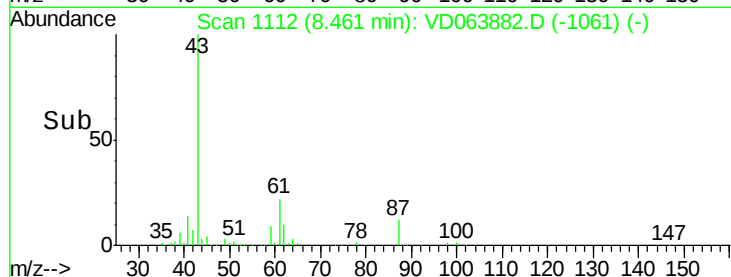
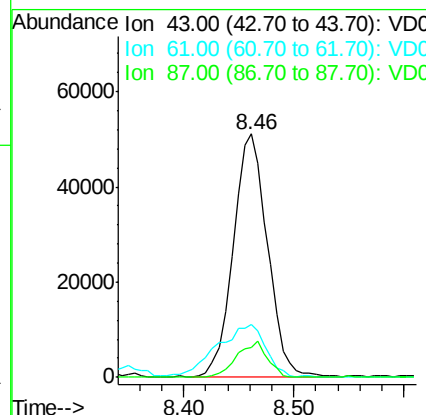
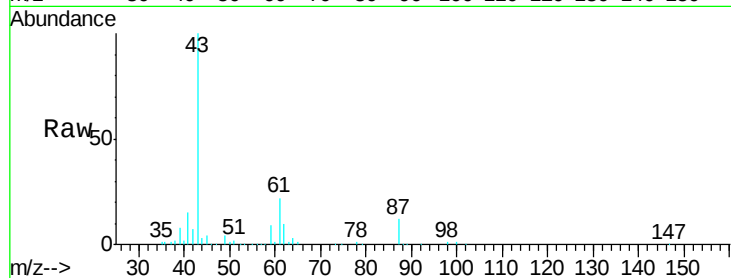




#43
Isopropyl Acetate
Concen: 45.823 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

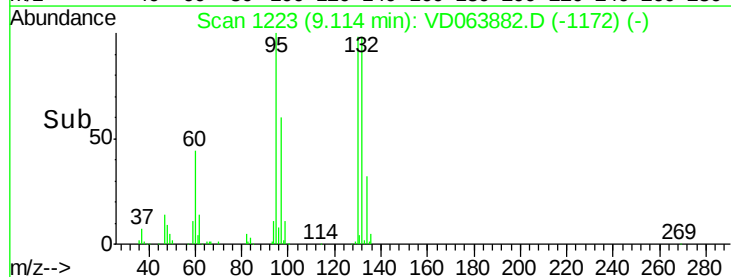
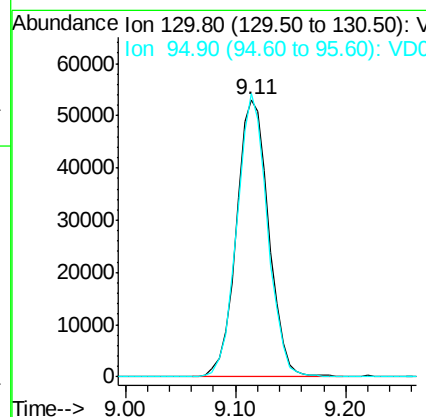
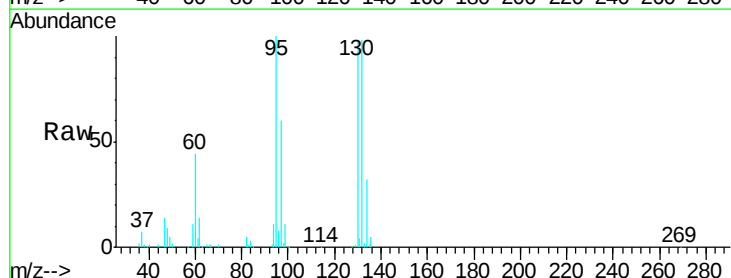
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

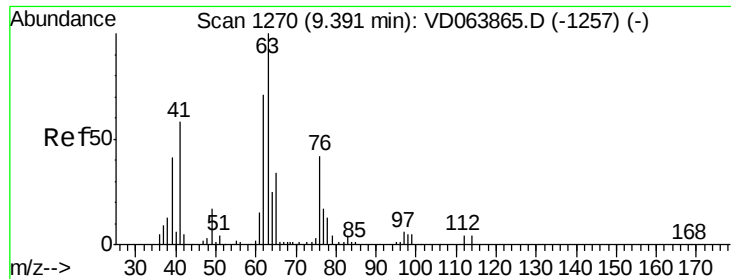
Tgt Ion: 43 Resp: 111727
Ion Ratio Lower Upper
43 100
61 30.6 25.7 38.5
87 13.5 11.6 17.4



#44
Trichloroethene
Concen: 45.262 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 130 Resp: 108744
Ion Ratio Lower Upper
130 100
95 102.1 0.0 175.6





#45

1,2-Dichloropropane

Concen: 45.912 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

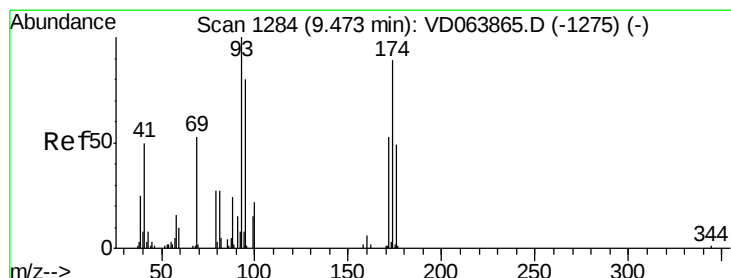
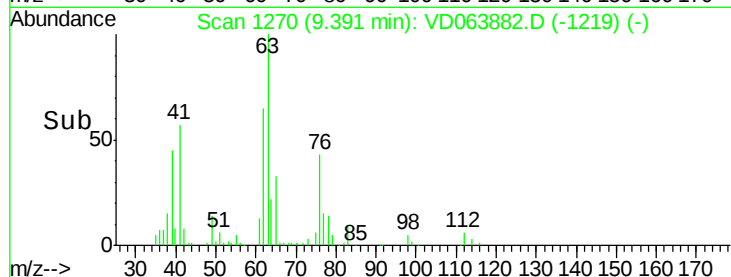
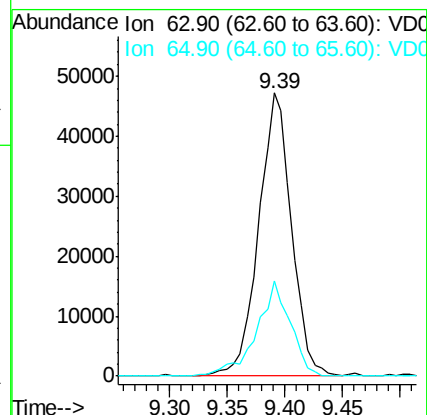
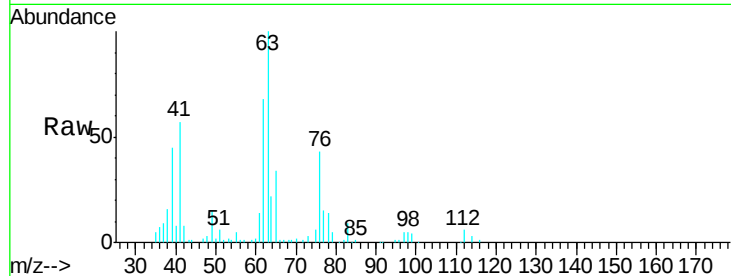
VSTDCCC050EC

Tgt Ion: 63 Resp: 93630

Ion Ratio Lower Upper

63 100

65 33.8 27.3 40.9



#46

Dibromomethane

Concen: 47.166 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

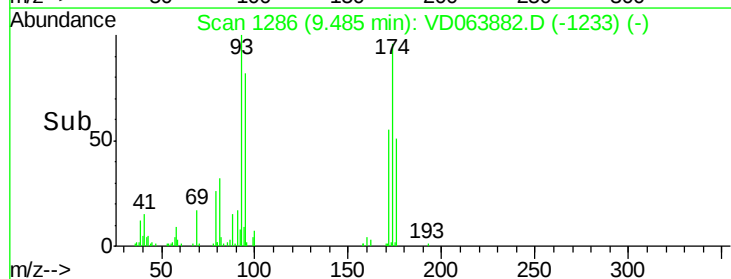
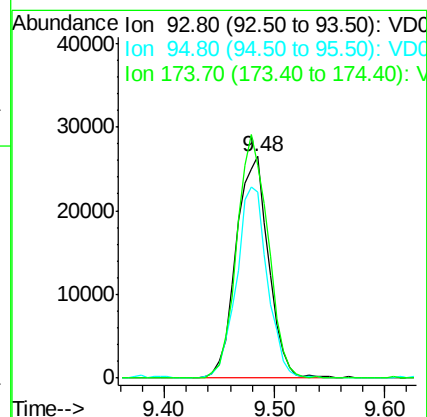
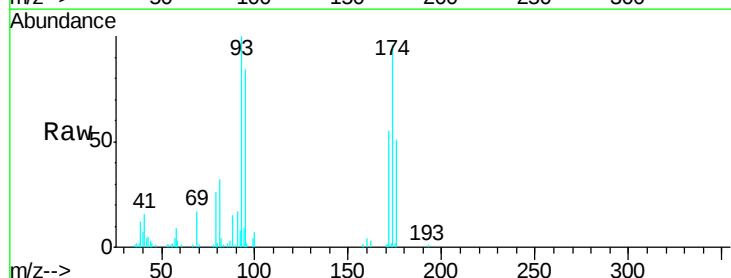
Tgt Ion: 93 Resp: 54780

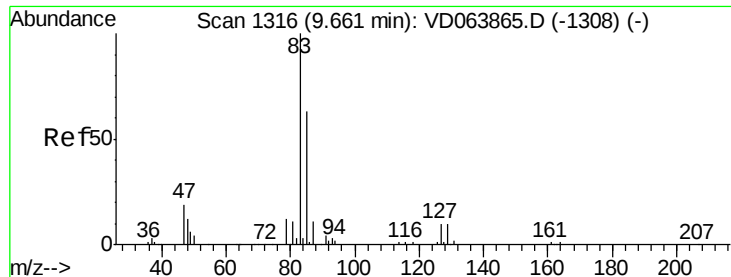
Ion Ratio Lower Upper

93 100

95 82.1 66.0 99.0

174 105.6 83.4 125.0





#47

Bromodichloromethane

Concen: 46.450 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

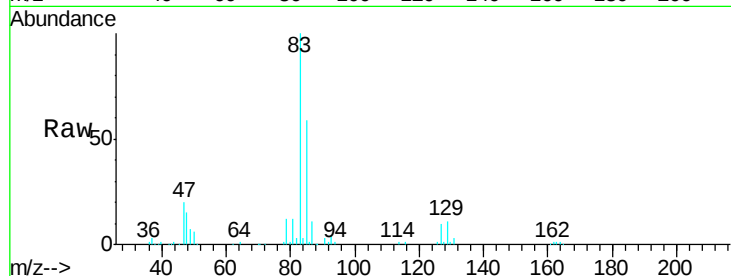
Tgt Ion: 83 Resp: 138895

Ion Ratio Lower Upper

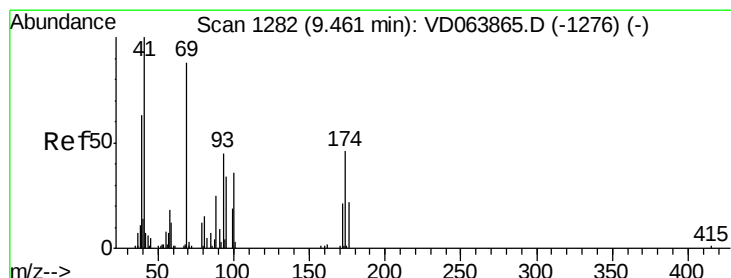
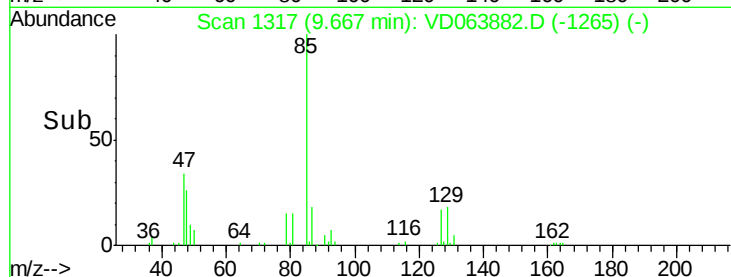
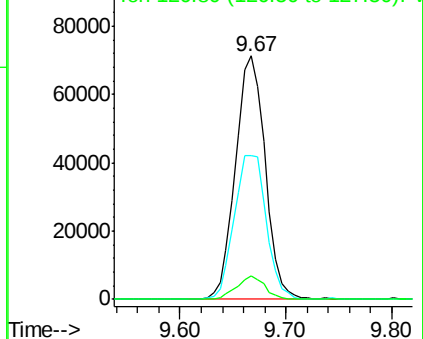
83 100

85 59.1 50.2 75.2

127 9.9 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: 44.483 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

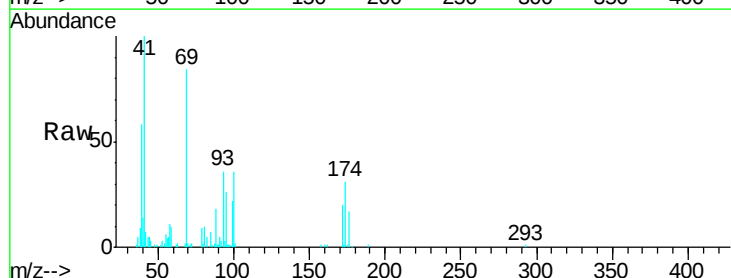
Tgt Ion: 41 Resp: 51967

Ion Ratio Lower Upper

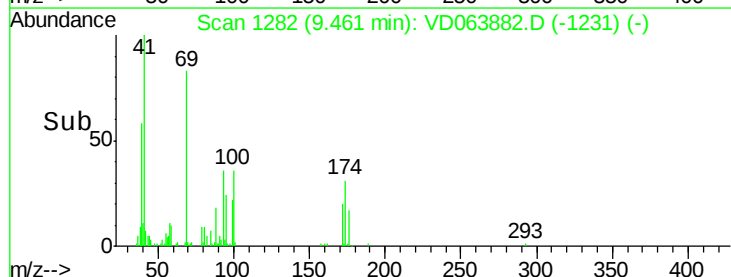
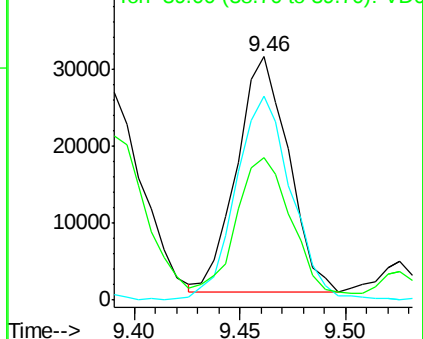
41 100

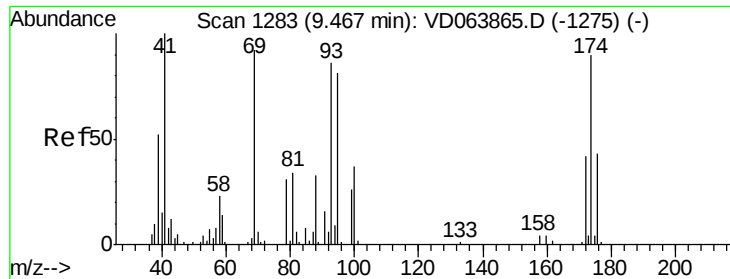
69 92.9 75.1 112.7

39 66.3 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

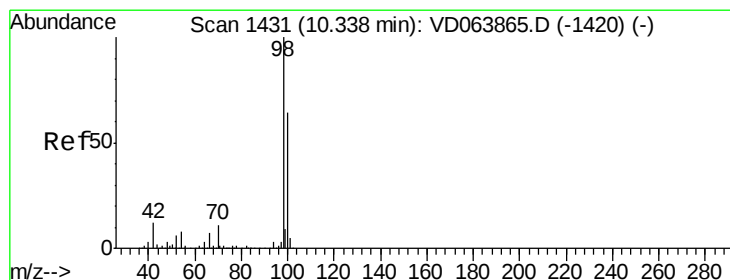
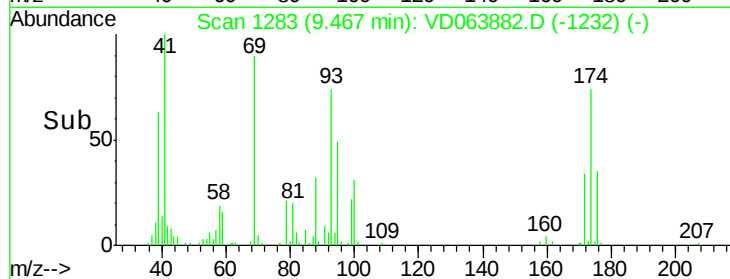
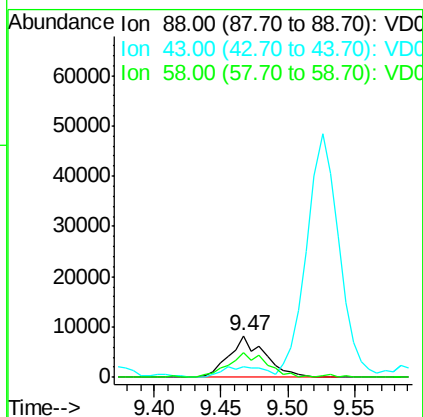
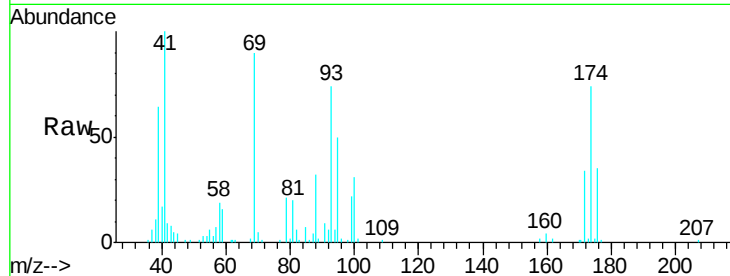




#49
1,4-Dioxane
Concen: 977.082 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

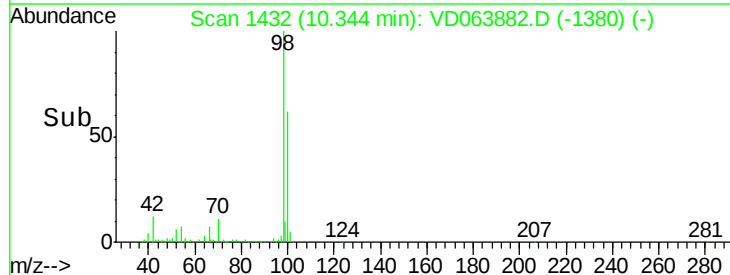
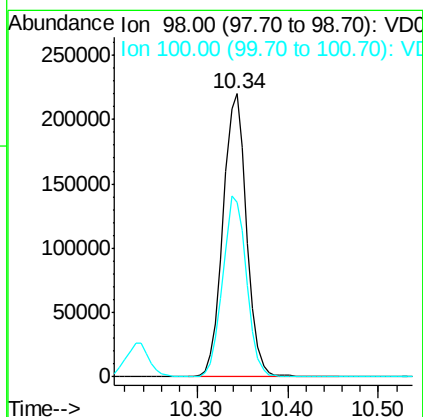
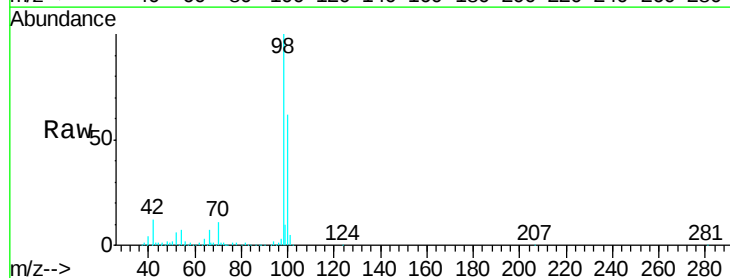
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 15490
Ion Ratio Lower Upper
88 100
43 31.3 27.6 41.4
58 63.4 54.1 81.1



#50
Toluene-d8
Concen: 50.075 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 98 Resp: 394972
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

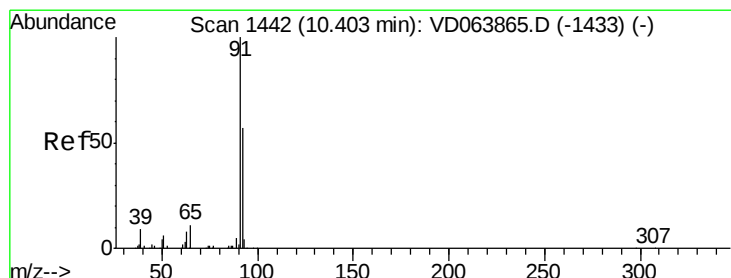
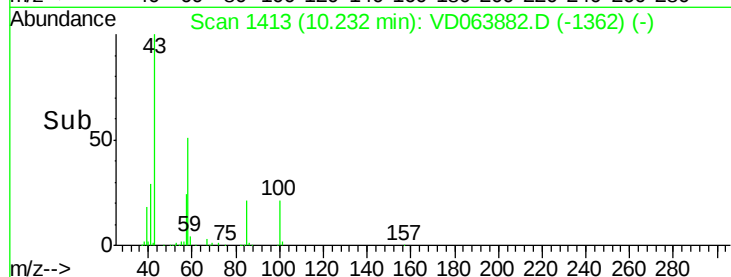
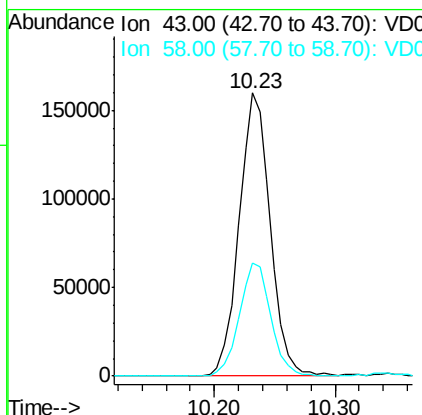
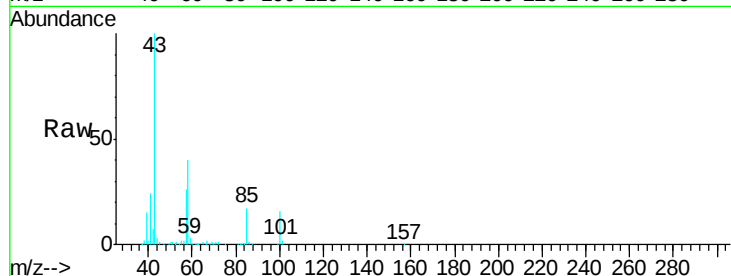




#51
 4-Methyl-2-Pentanone
 Concen: 226.236 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

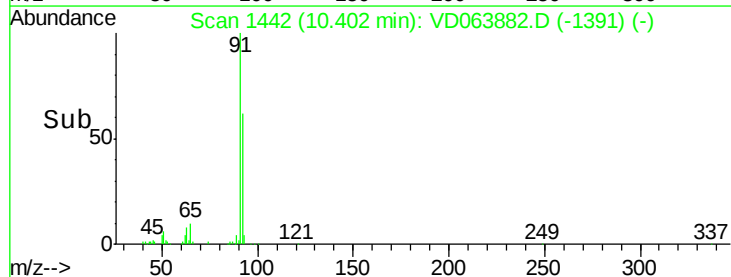
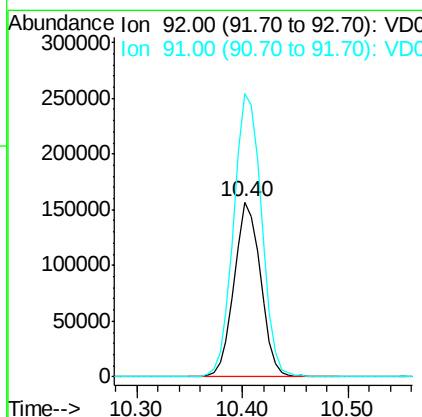
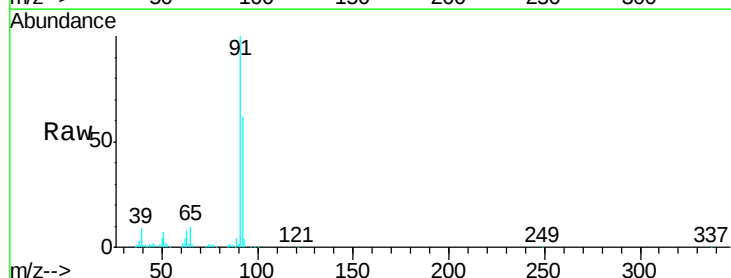
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

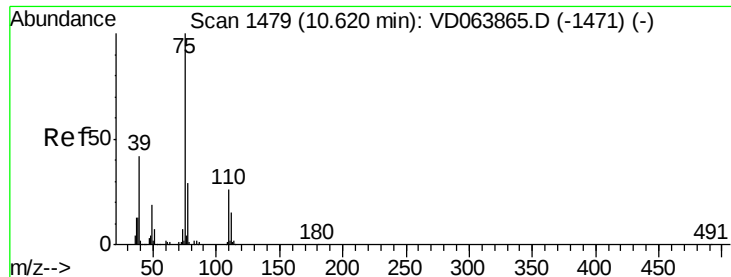
Tgt Ion: 43 Resp: 286083
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.0 49.4



#52
 Toluene
 Concen: 47.423 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 92 Resp: 271239
 Ion Ratio Lower Upper
 92 100
 91 170.9 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 46.691 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

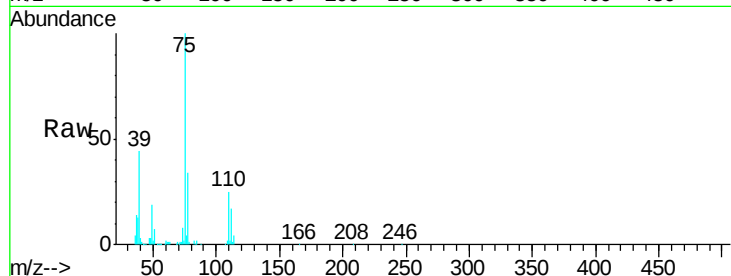
VSTDCCC050EC

Tgt Ion: 75 Resp: 136240

Ion Ratio Lower Upper

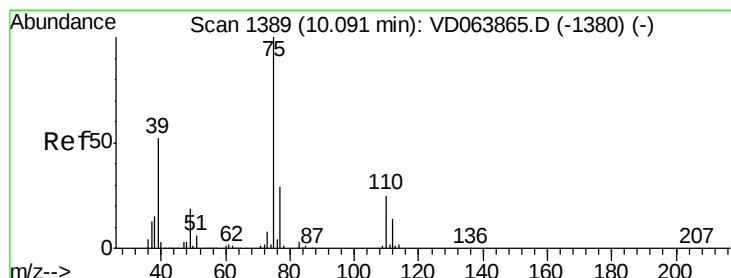
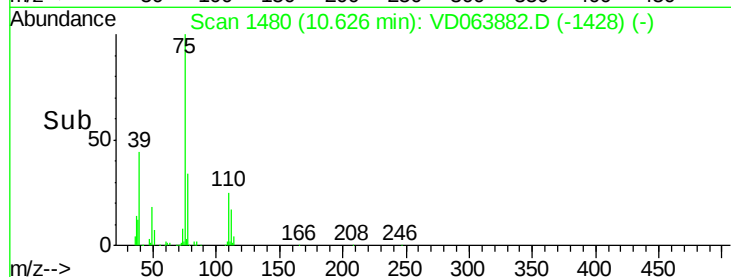
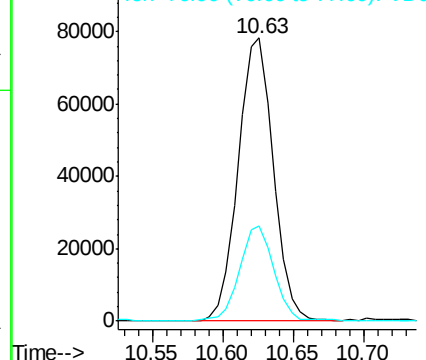
75 100

77 33.5 22.8 34.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 46.584 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

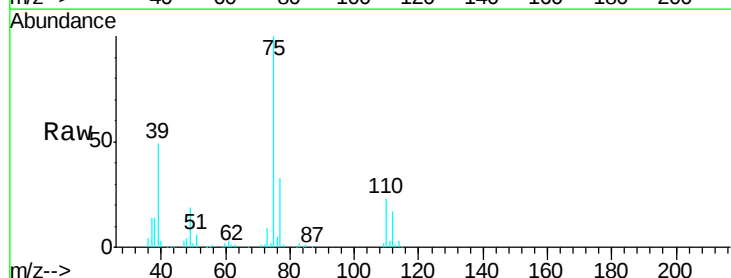
Tgt Ion: 75 Resp: 156467

Ion Ratio Lower Upper

75 100

77 33.0 23.2 34.8

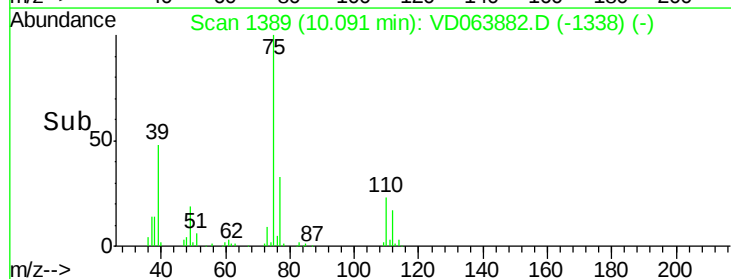
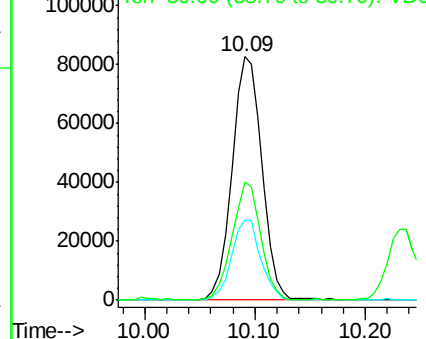
39 48.8 41.5 62.3

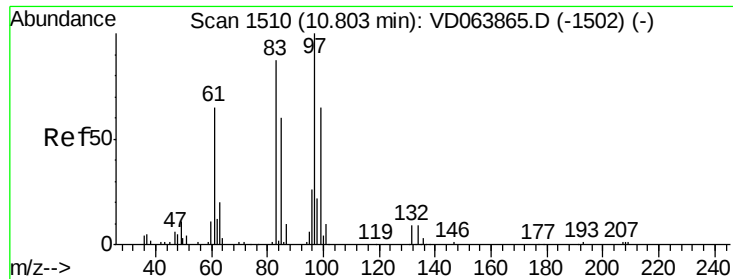


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 45.655 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 74869

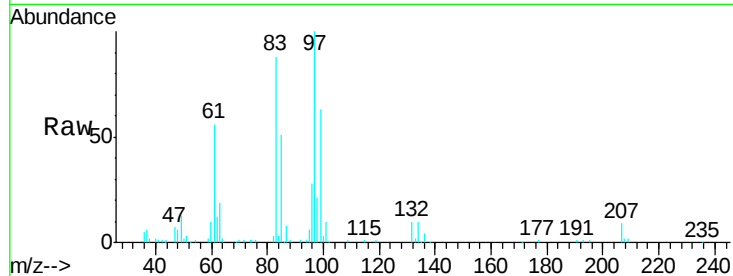
Ion Ratio Lower Upper

97 100

83 87.5 69.7 104.5

85 51.1 48.1 72.1

99 62.5 51.9 77.9

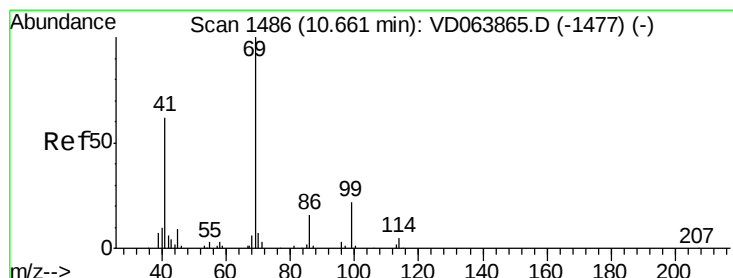
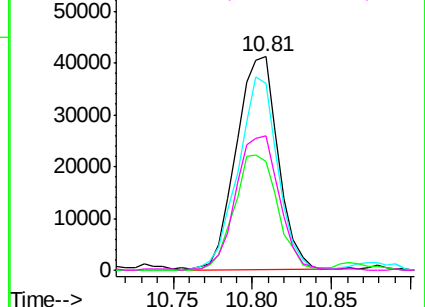
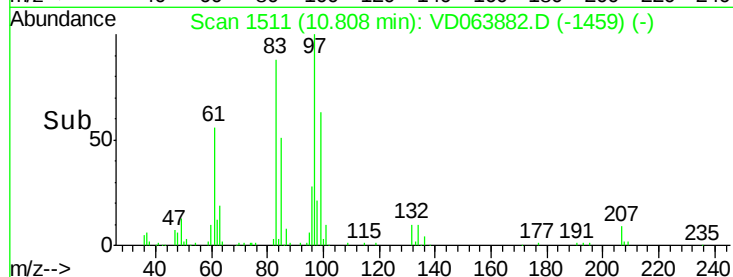


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 47.669 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

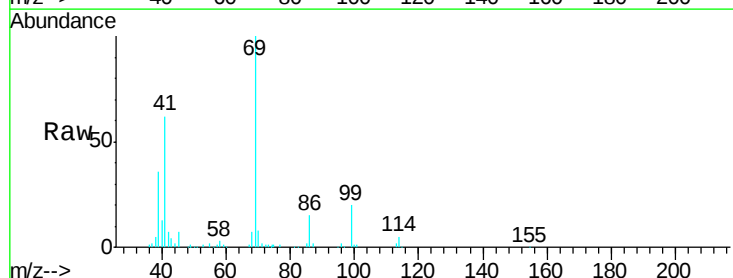
Tgt Ion: 69 Resp: 98993

Ion Ratio Lower Upper

69 100

41 61.8 51.3 76.9

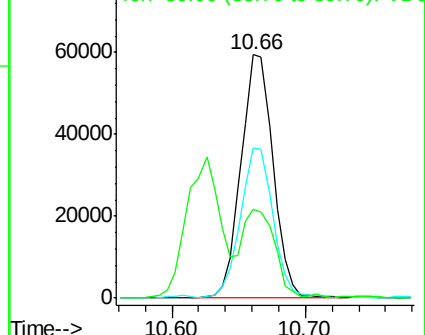
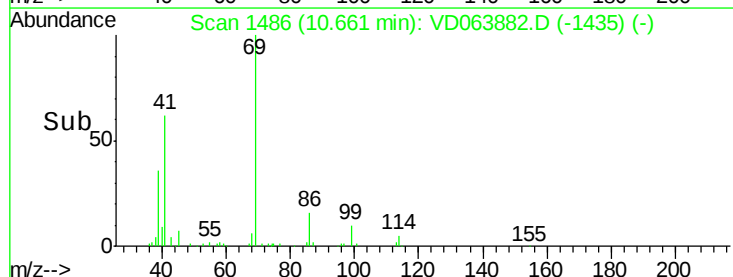
39 36.1 28.0 42.0

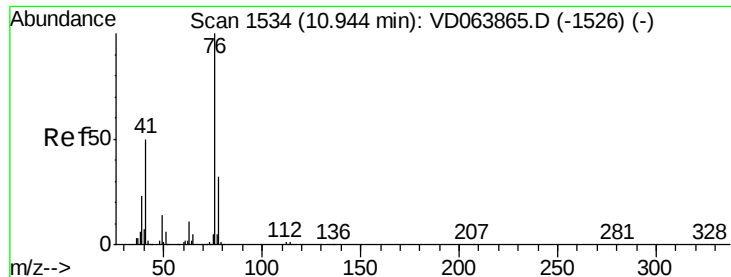


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

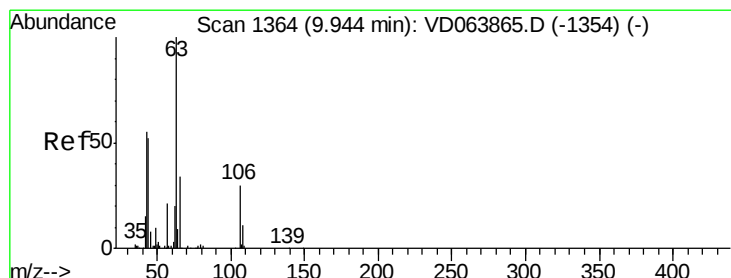
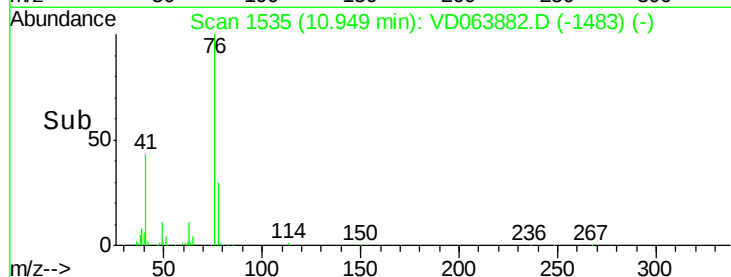
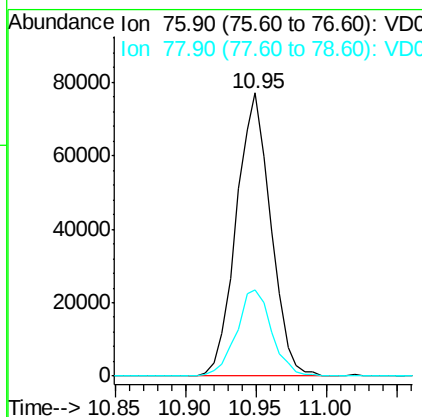
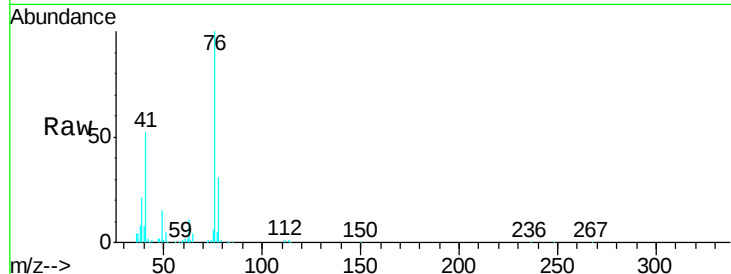




#57
 1,3-Dichloropropane
 Concen: 46.952 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

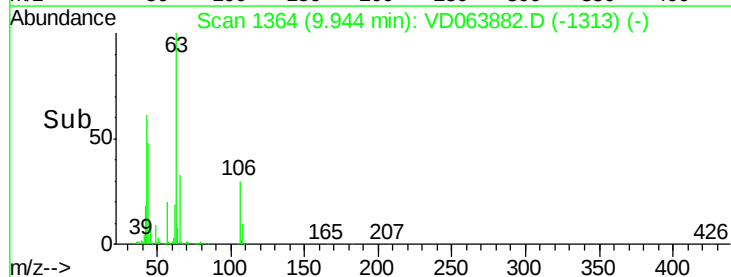
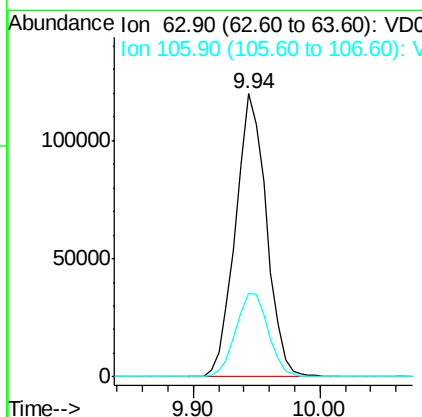
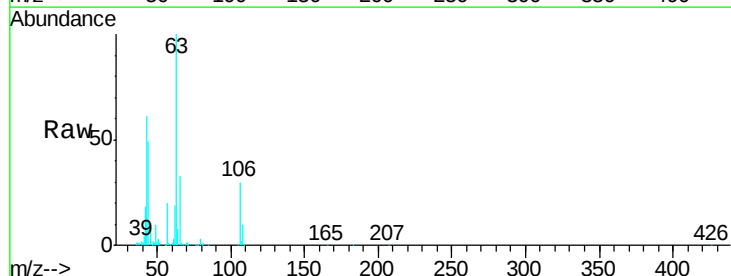
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

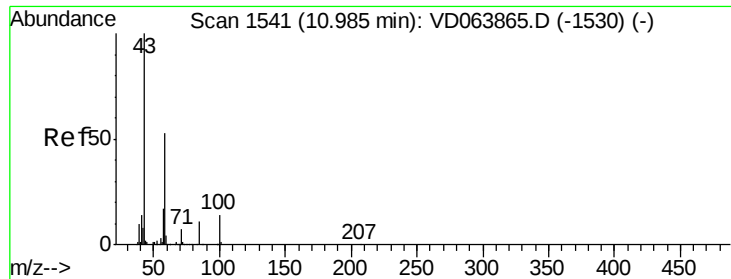
Tgt Ion: 76 Resp: 131735
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.826 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 63 Resp: 202472
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.3 36.5

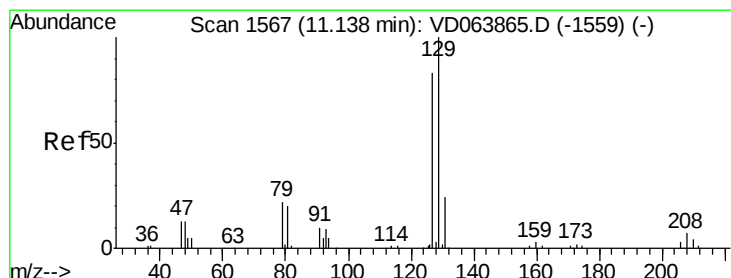
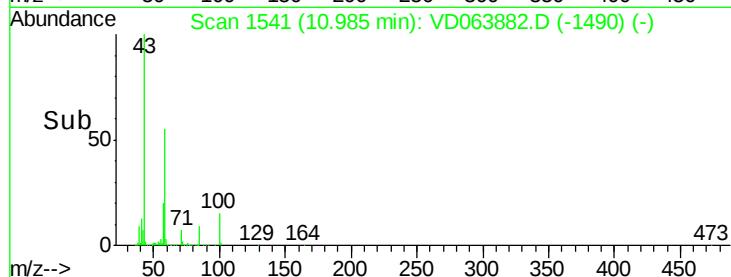
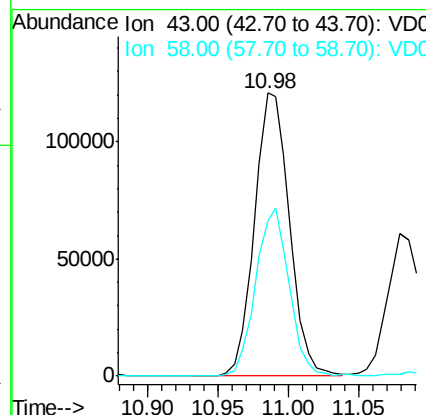
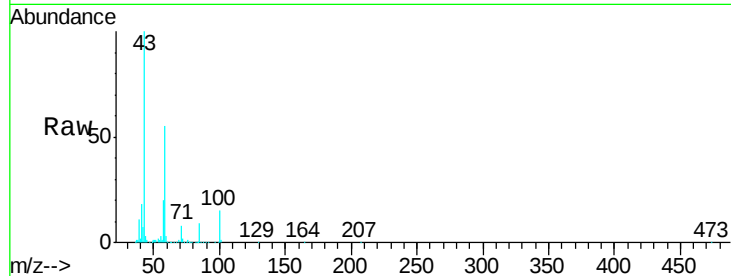




#59
2-Hexanone
Concen: 230.061 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

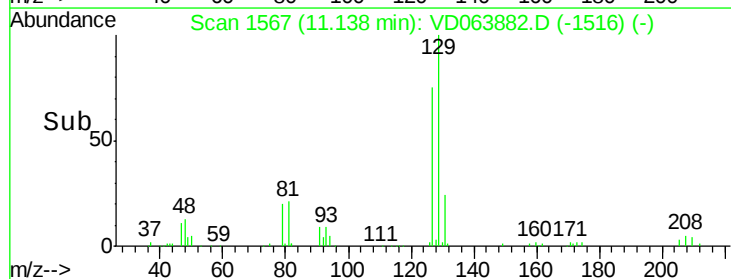
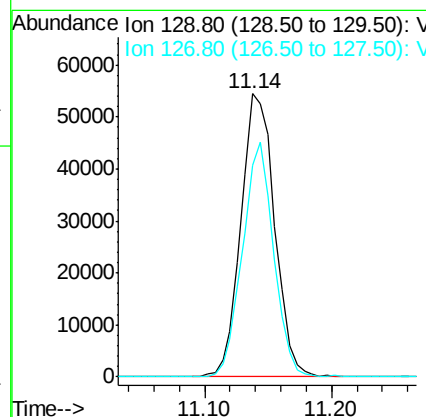
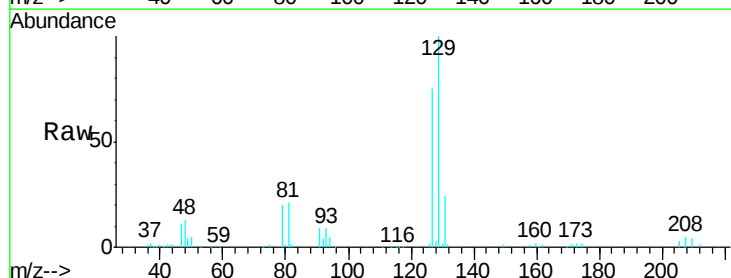
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

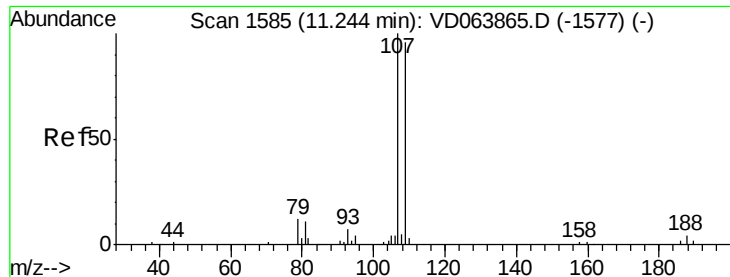
Tgt Ion: 43 Resp: 210443
Ion Ratio Lower Upper
43 100
58 56.7 27.7 83.0



#60
Dibromochloromethane
Concen: 47.007 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 129 Resp: 100358
Ion Ratio Lower Upper
129 100
127 76.5 39.9 119.6

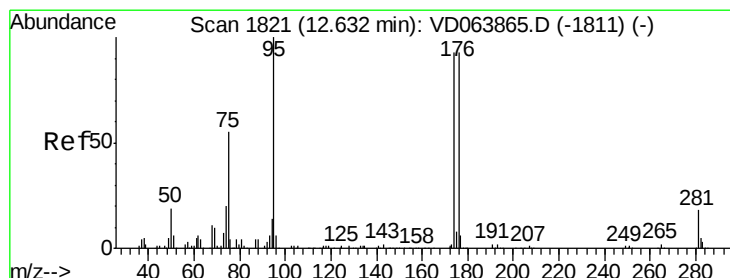
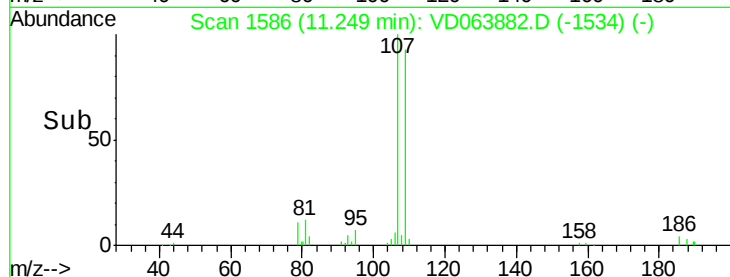
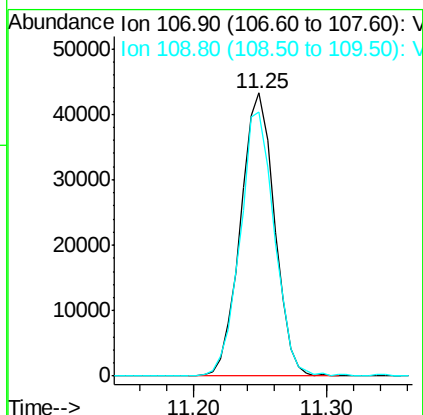
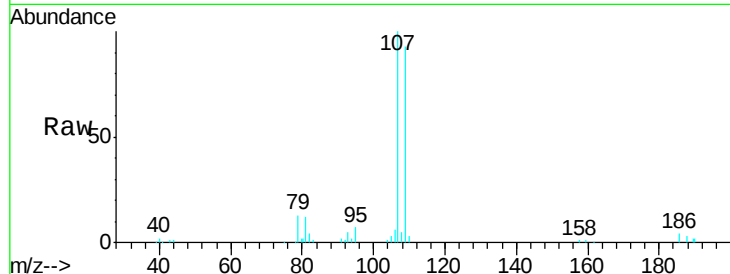




#61
 1,2-Dibromoethane
 Concen: 47.766 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

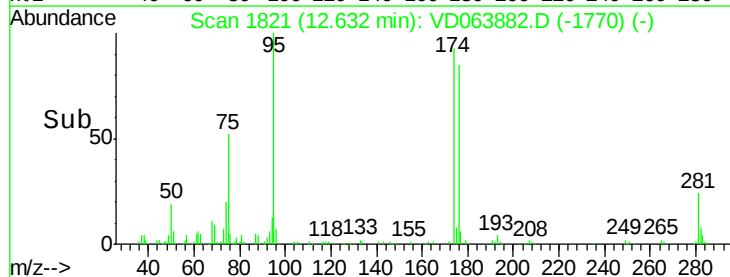
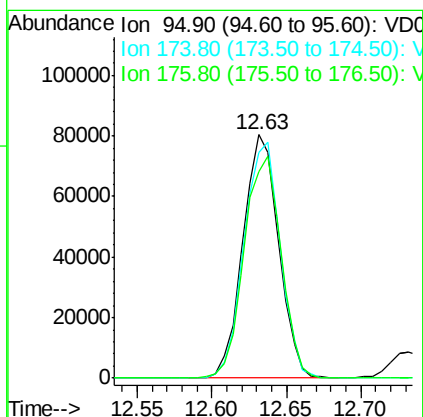
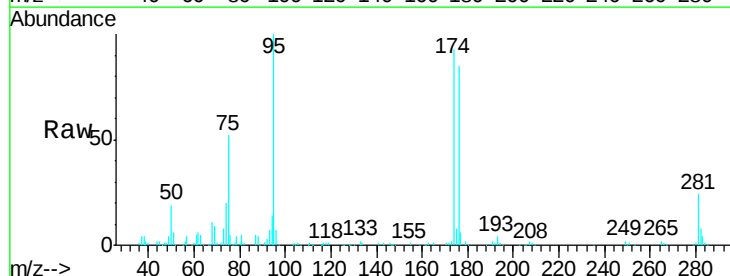
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

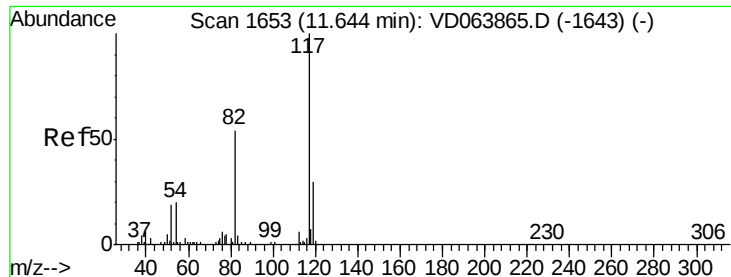
Tgt Ion: 107 Resp: 75938
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.494 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 95 Resp: 132919
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 186.4
 176 94.5 0.0 184.2

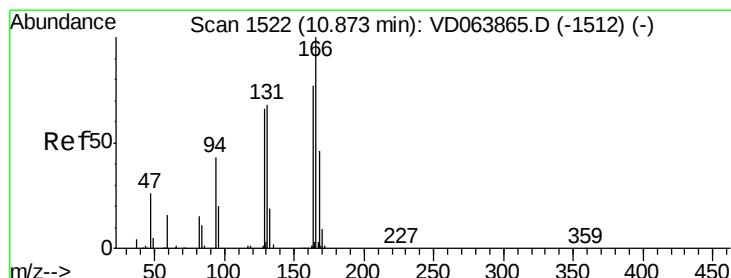
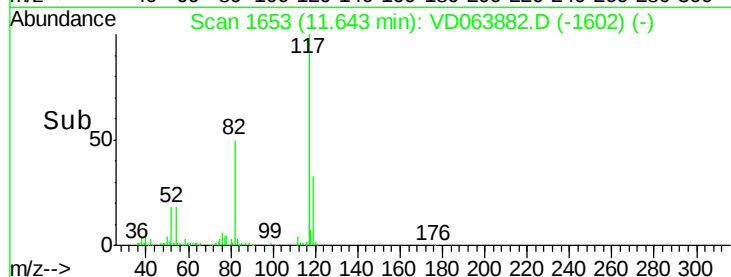
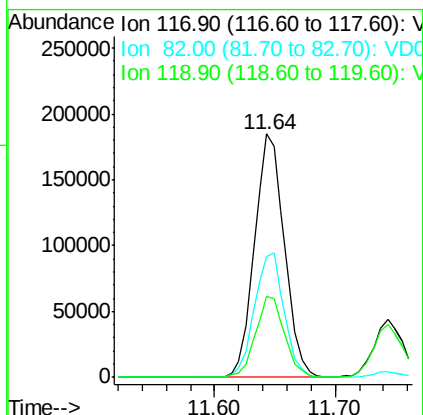
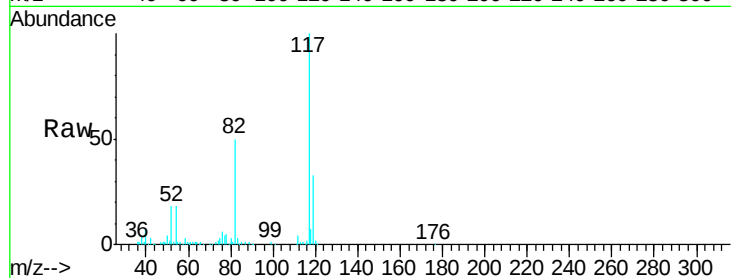




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

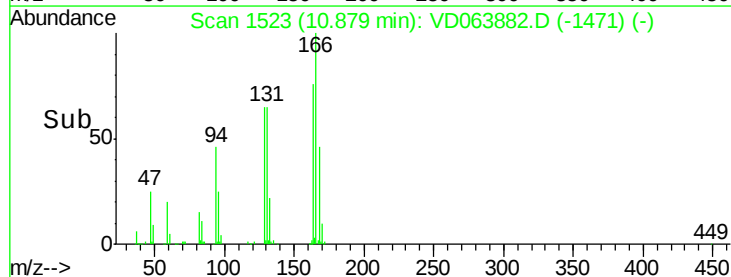
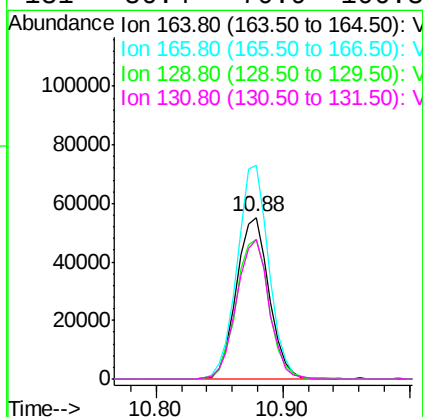
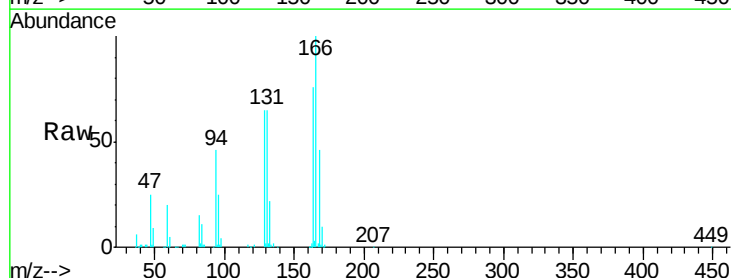
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

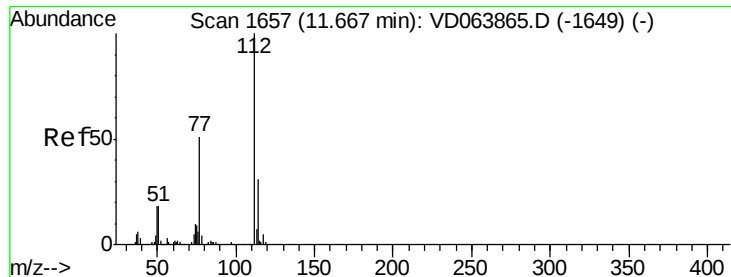
Tgt Ion:117 Resp: 319581
Ion Ratio Lower Upper
117 100
82 49.6 42.8 64.2
119 33.1 24.4 36.6



#64
Tetrachloroethene
Concen: 45.377 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion:164 Resp: 98999
Ion Ratio Lower Upper
164 100
166 132.2 103.8 155.6
129 86.3 68.9 103.3
131 86.4 70.9 106.3

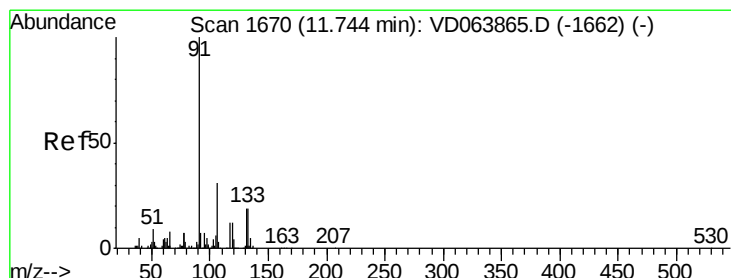
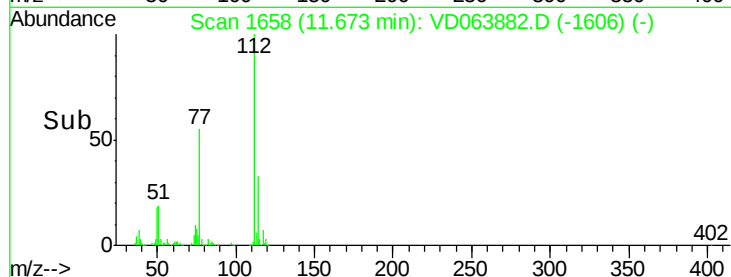
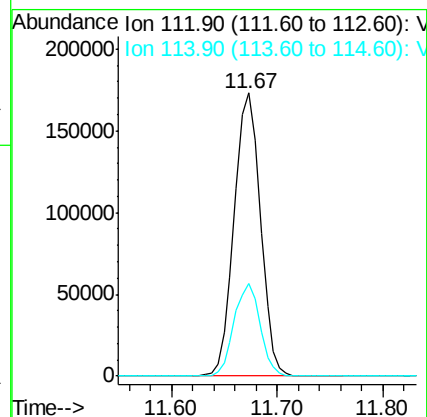
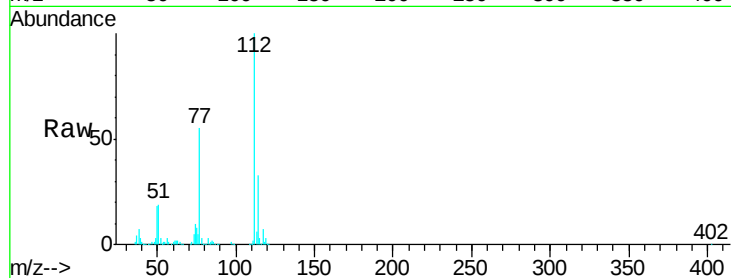




#65
Chlorobenzene
Concen: 46.388 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

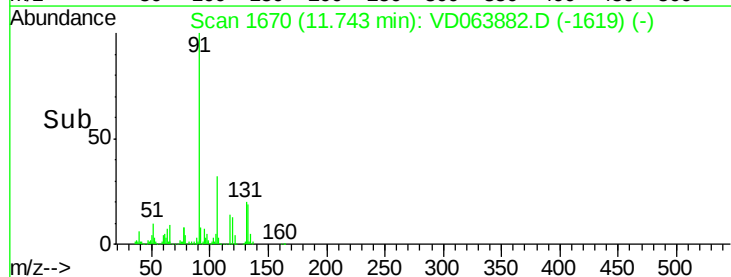
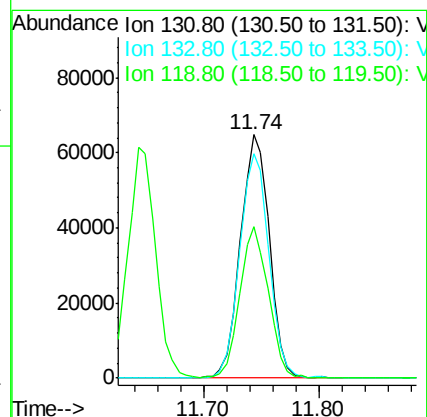
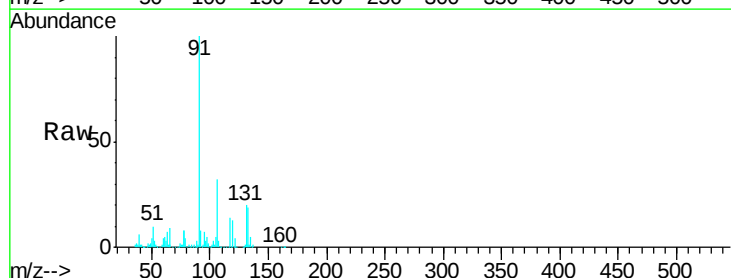
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

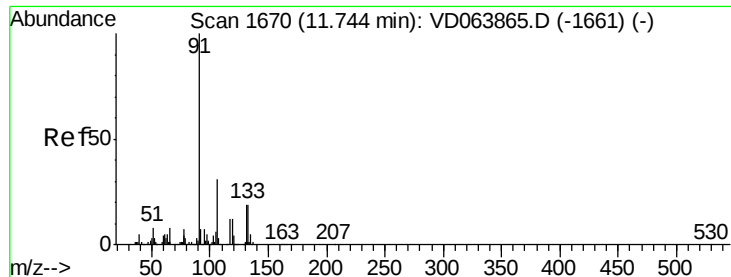
Tgt Ion:112 Resp: 297722
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 47.589 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion:131 Resp: 112544
Ion Ratio Lower Upper
131 100
133 93.1 48.9 146.7
119 61.3 32.6 97.8





#67

Ethyl Benzene

Concen: 45.631 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

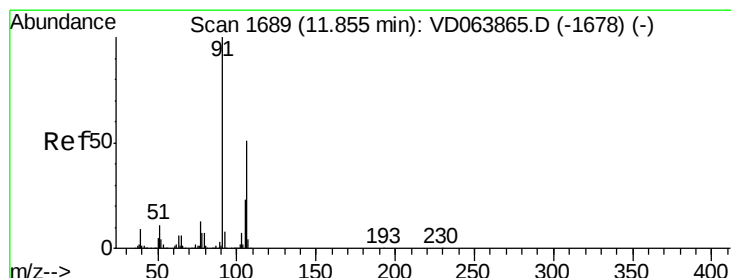
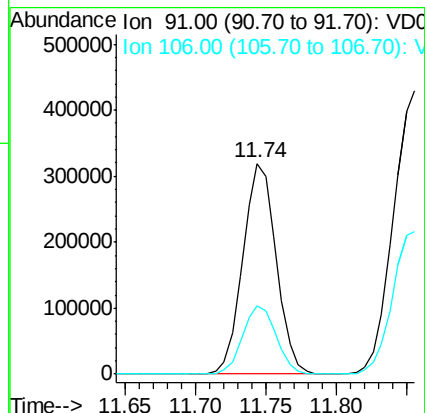
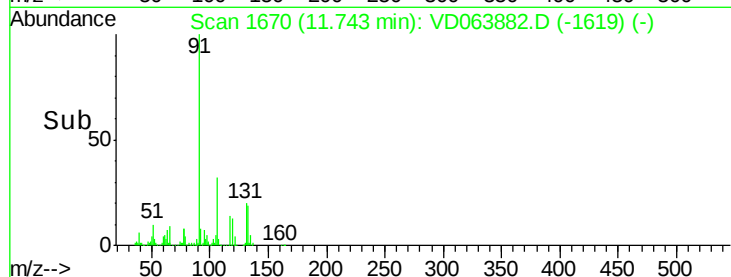
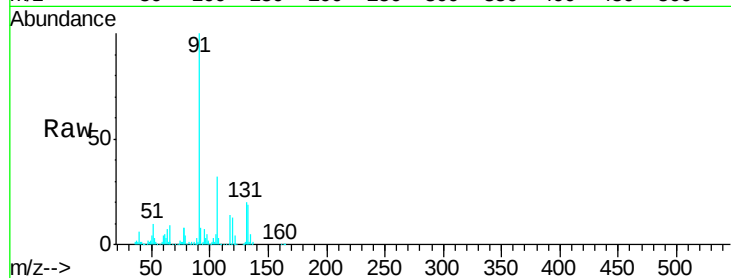
VSTDCCC050EC

Tgt Ion: 91 Resp: 528089

Ion Ratio Lower Upper

91 100

106 32.4 24.6 37.0



#68

m/p-Xylenes

Concen: 94.776 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063882.D

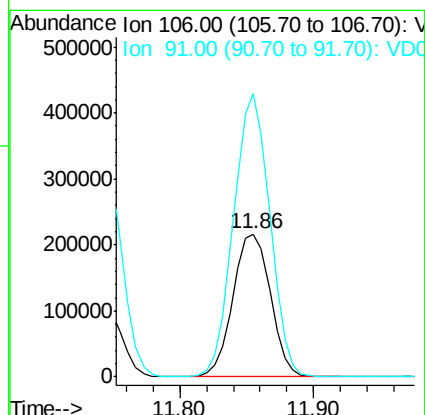
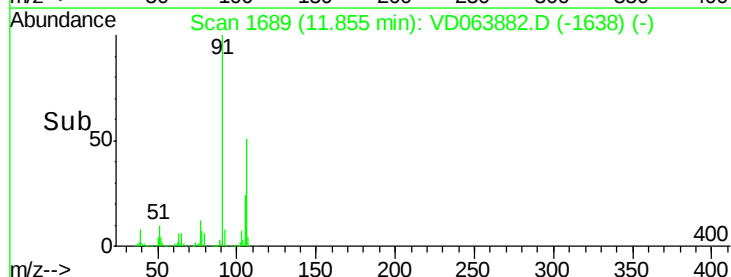
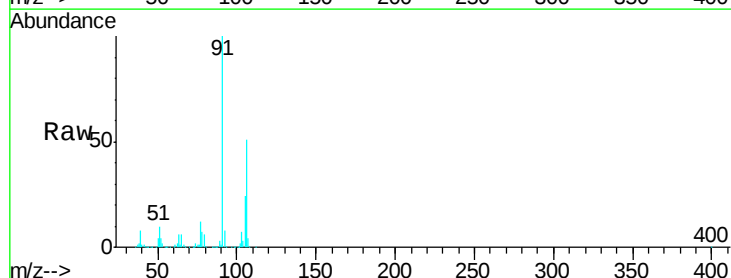
Acq: 03 Oct 2019 18:16

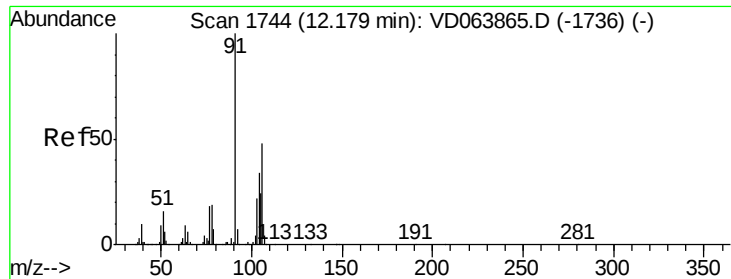
Tgt Ion: 106 Resp: 423359

Ion Ratio Lower Upper

106 100

91 191.9 154.8 232.2

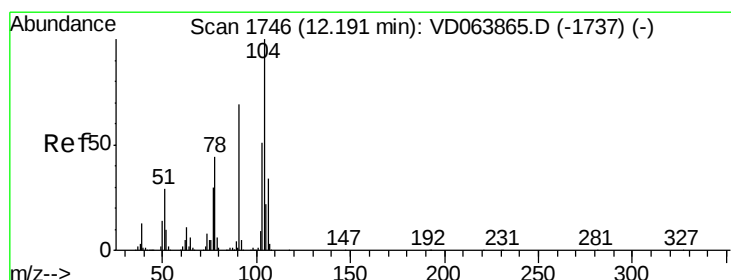
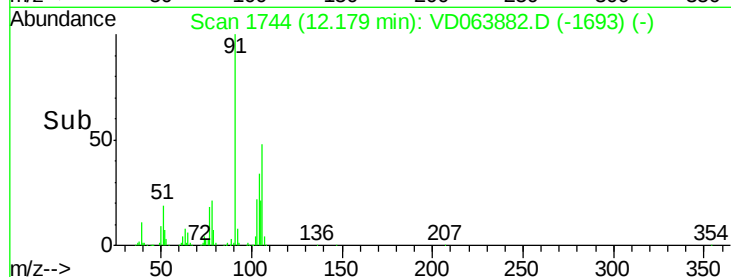
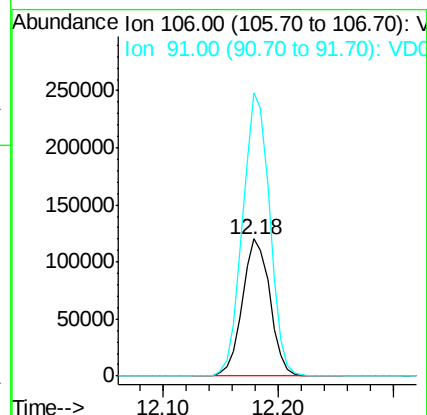
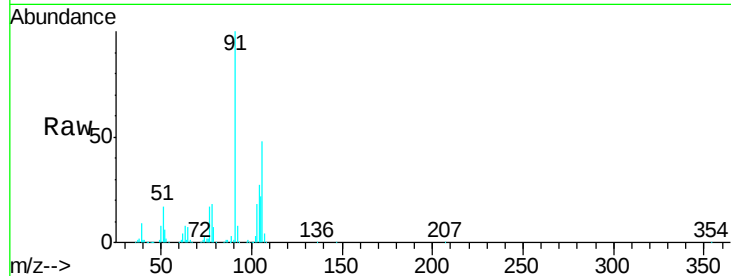




#69
o-Xylene
Concen: 46.458 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

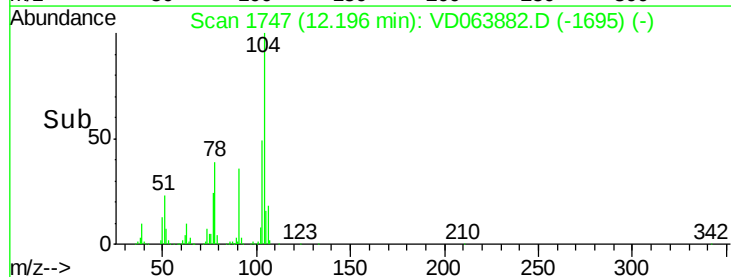
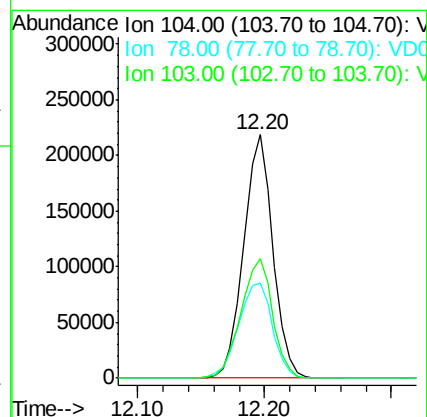
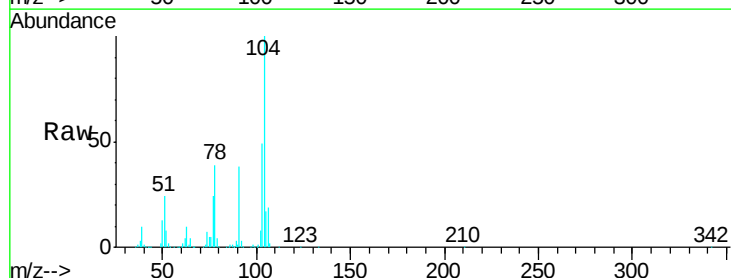
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

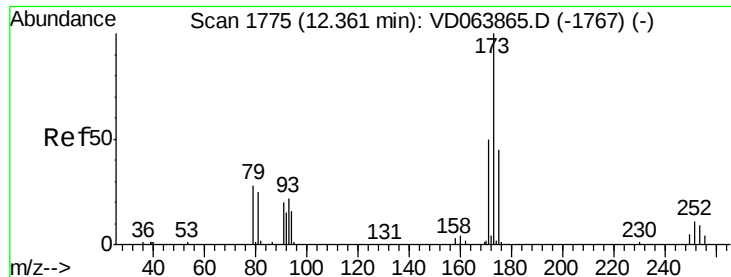
Tgt Ion:106 Resp: 198713
Ion Ratio Lower Upper
106 100
91 203.6 103.9 311.7



#70
Styrene
Concen: 48.264 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion:104 Resp: 349468
Ion Ratio Lower Upper
104 100
78 45.3 37.0 55.4
103 53.4 44.2 66.4





#71

Bromoform

Concen: 49.210 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

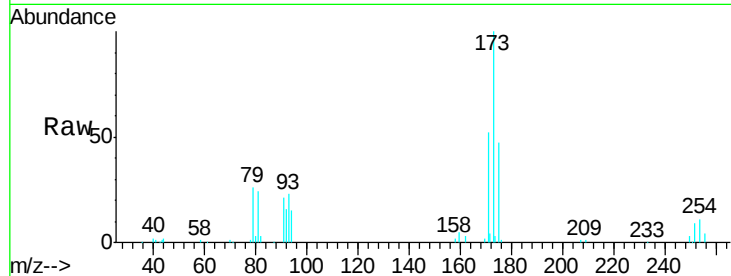
Tgt Ion:173 Resp: 62456

Ion Ratio Lower Upper

173 100

175 47.8 24.6 74.0

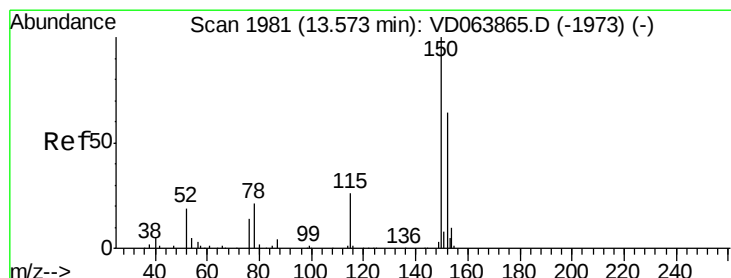
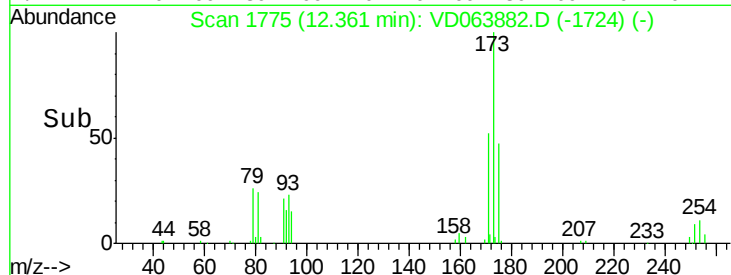
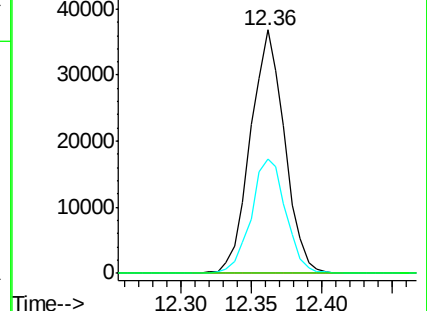
254 0.0 0.0 0.0



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: VD063882.D

Acq: 03 Oct 2019 18:16

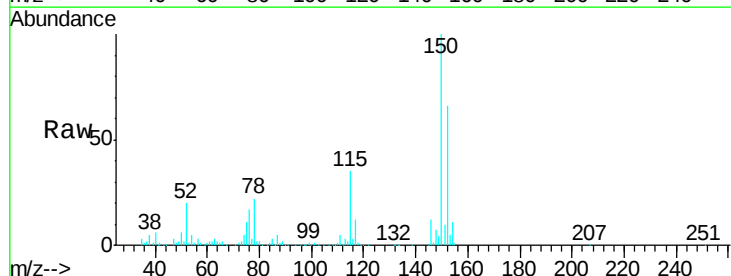
Tgt Ion:152 Resp: 173210

Ion Ratio Lower Upper

152 100

115 53.8 25.9 77.7

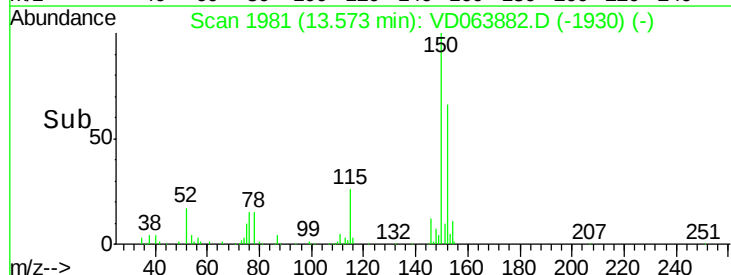
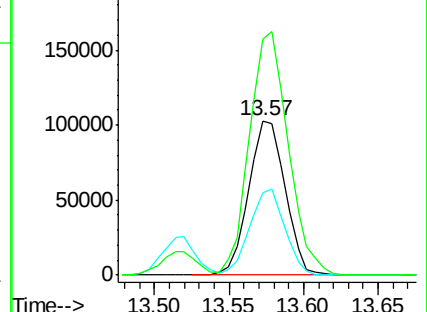
150 168.4 0.0 344.2

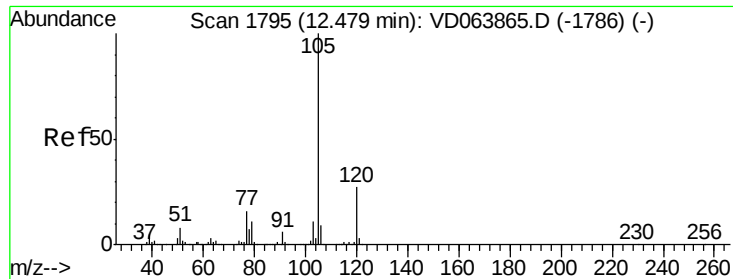


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.421 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

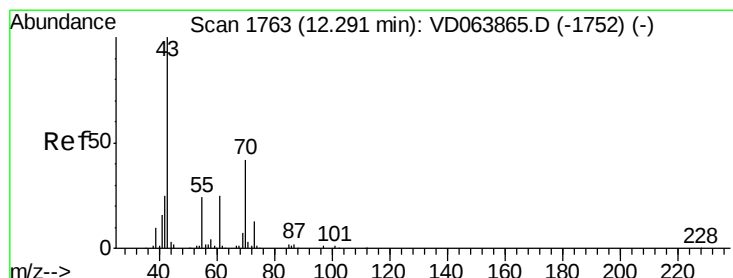
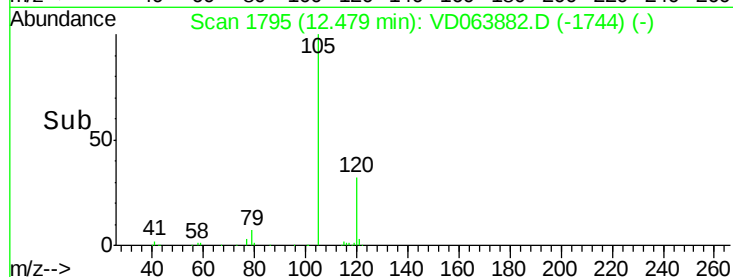
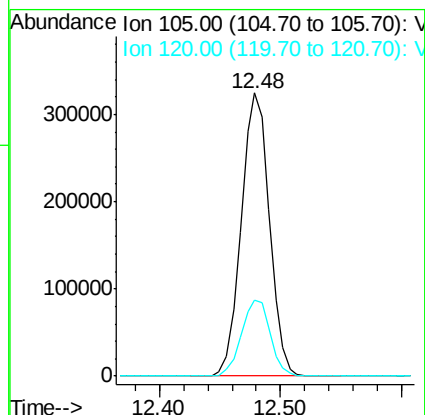
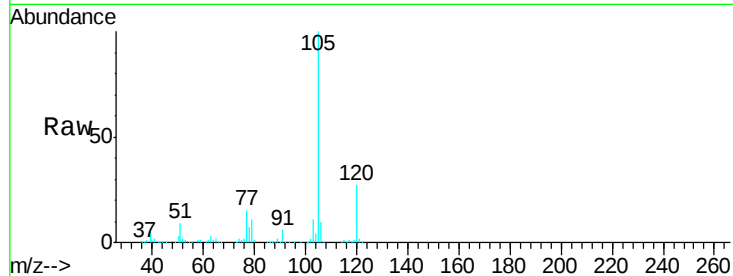
VSTDCCC050EC

Tgt Ion:105 Resp: 528890

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8



#74

N-ethyl acetate

Concen: 43.289 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion: 43 Resp: 108525

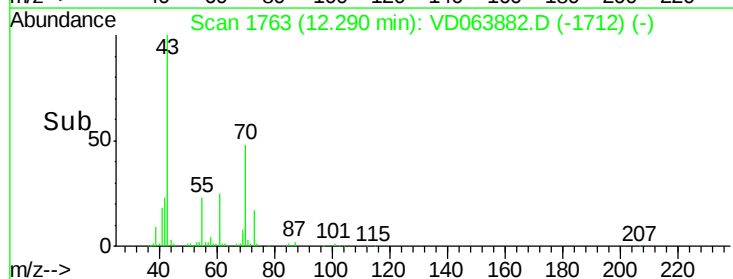
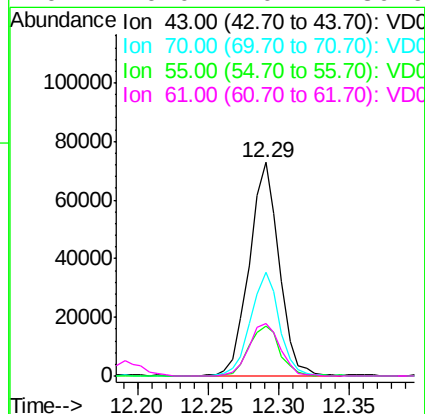
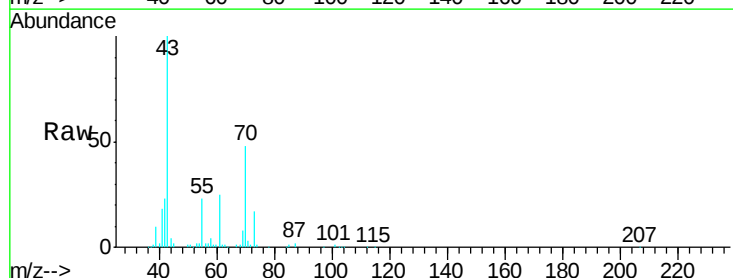
Ion Ratio Lower Upper

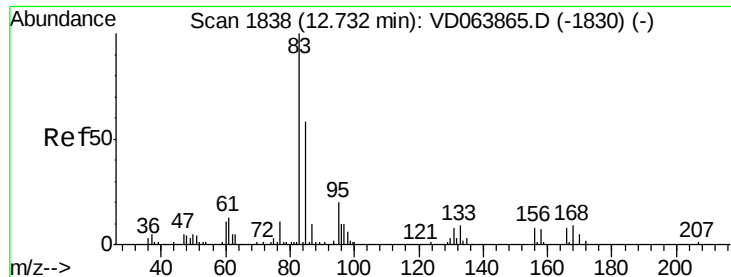
43 100

70 47.1 35.8 53.6

55 24.4 19.4 29.0

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.513 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

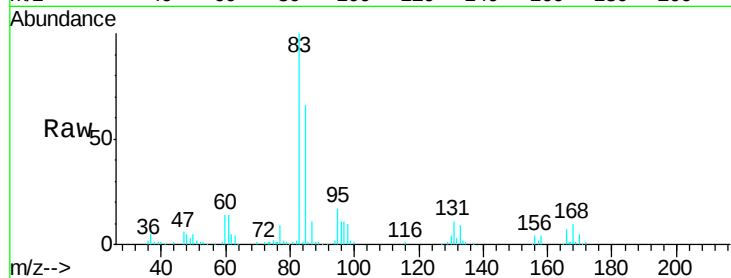
Tgt Ion: 83 Resp: 90193

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

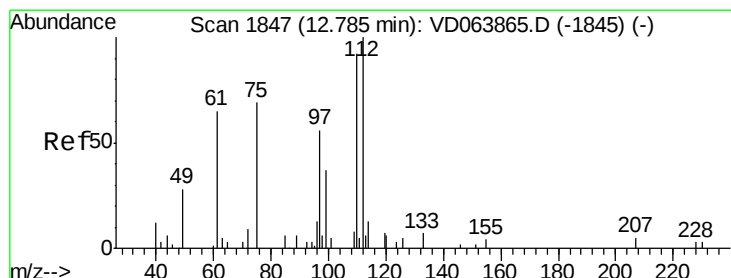
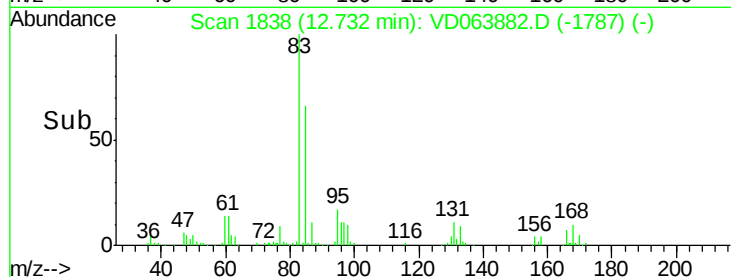
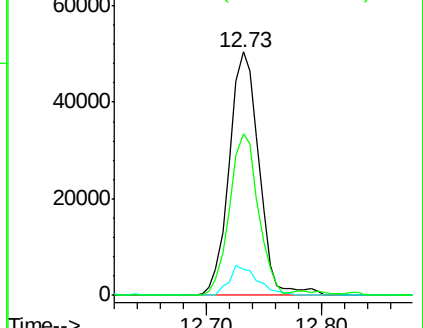
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 98.058 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063882.D

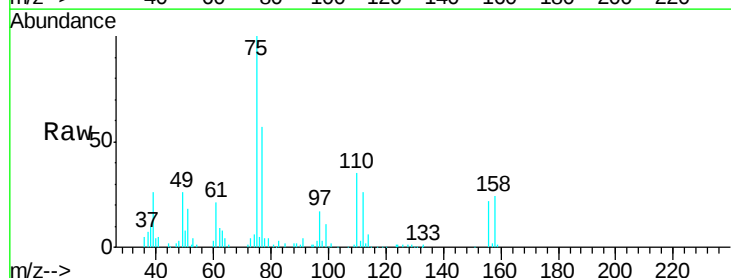
Acq: 03 Oct 2019 18:16

Tgt Ion: 75 Resp: 113758

Ion Ratio Lower Upper

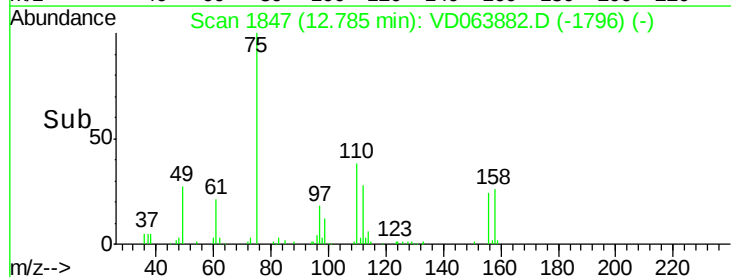
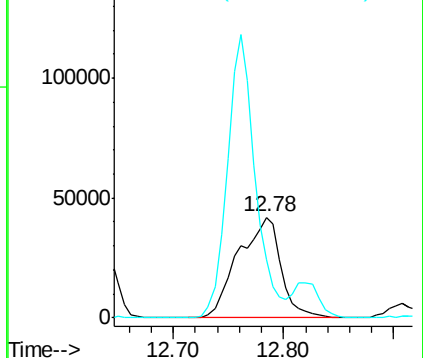
75 100

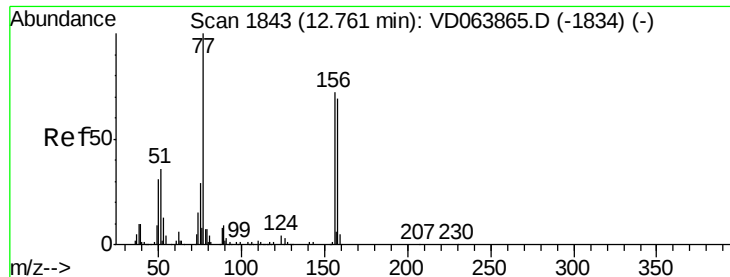
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 45.756 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

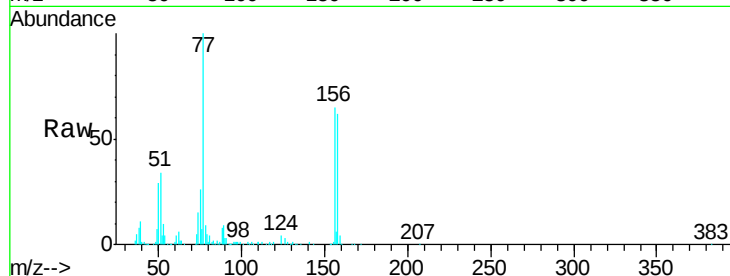
Tgt Ion:156 Resp: 132739

Ion Ratio Lower Upper

156 100

77 158.5 80.3 241.0

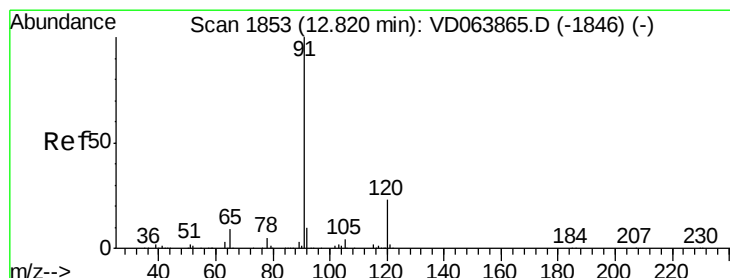
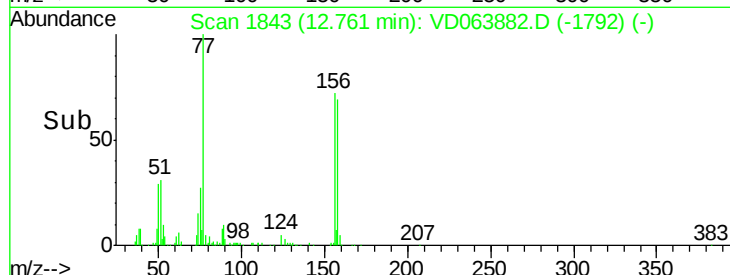
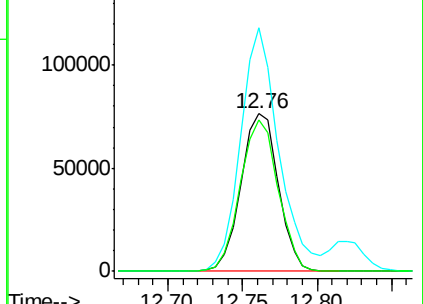
158 97.0 47.4 142.2



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: 45.104 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063882.D

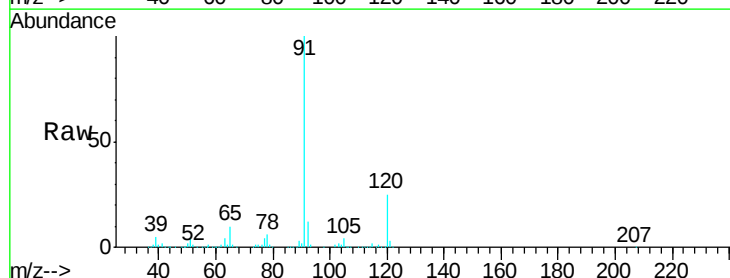
Acq: 03 Oct 2019 18:16

Tgt Ion: 91 Resp: 616459

Ion Ratio Lower Upper

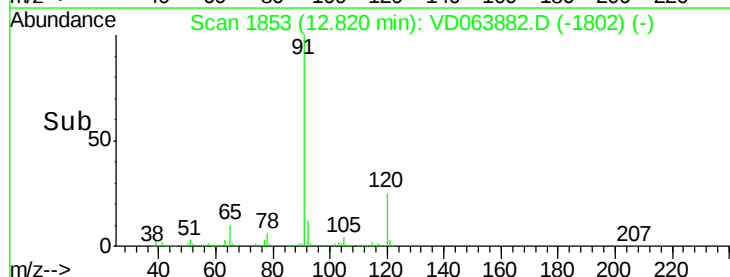
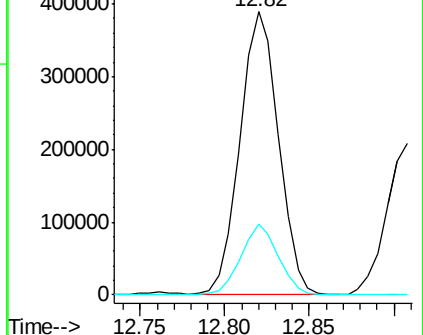
91 100

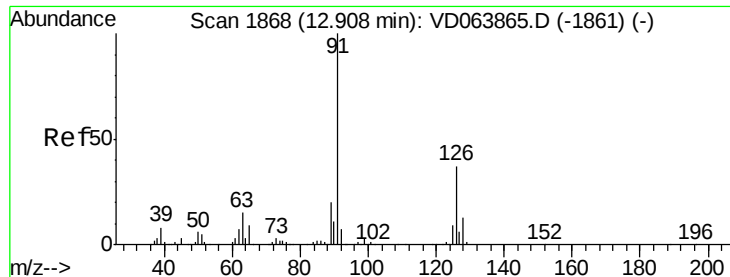
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

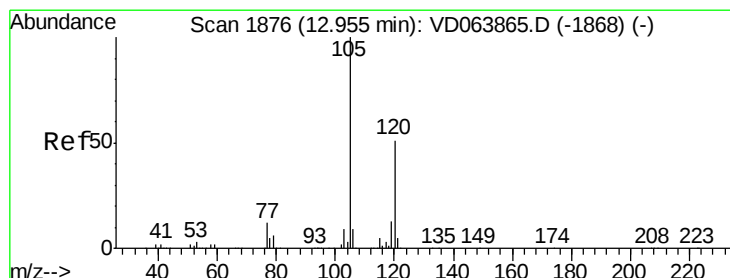
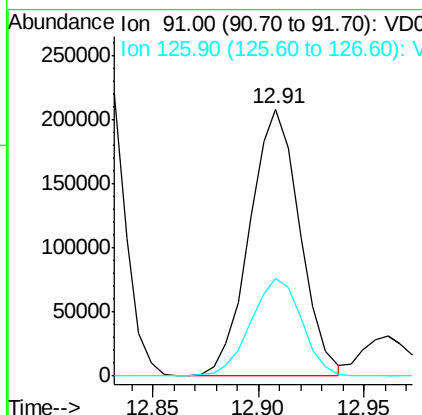
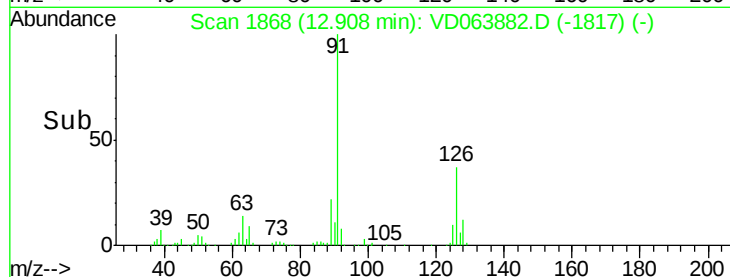
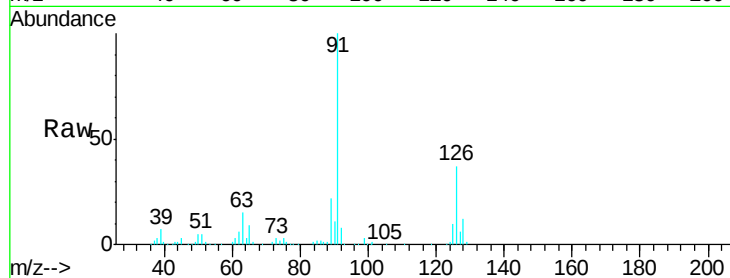




#79
 2-Chlorotoluene
 Concen: 45.561 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

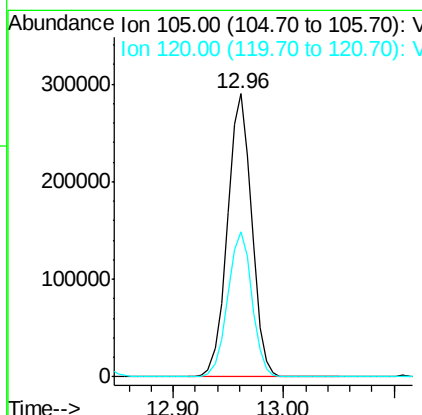
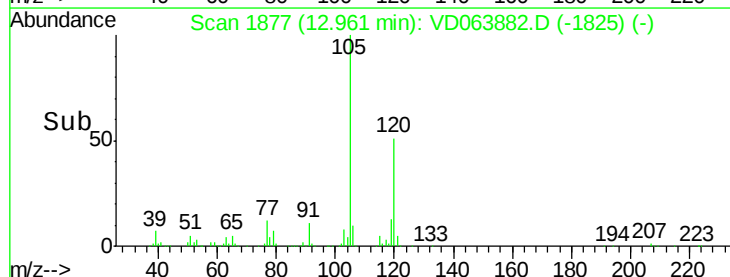
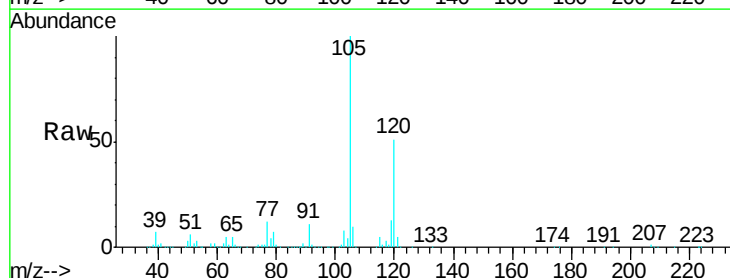
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

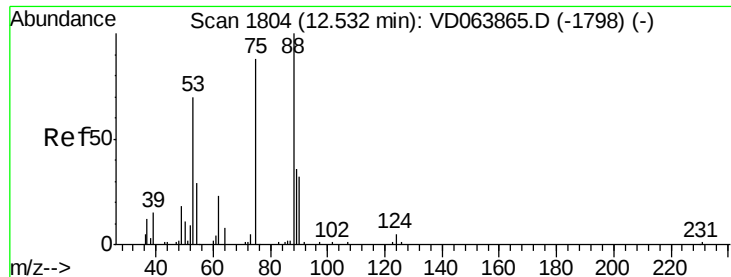
Tgt Ion: 91 Resp: 343362
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 45.948 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 105 Resp: 446359
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 42.175 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

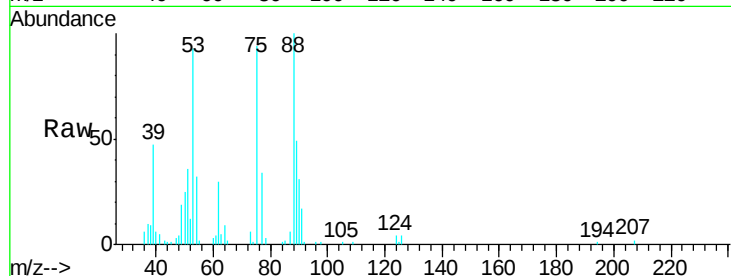
Tgt Ion: 75 Resp: 27649

Ion Ratio Lower Upper

75 100

53 99.7 75.0 112.6

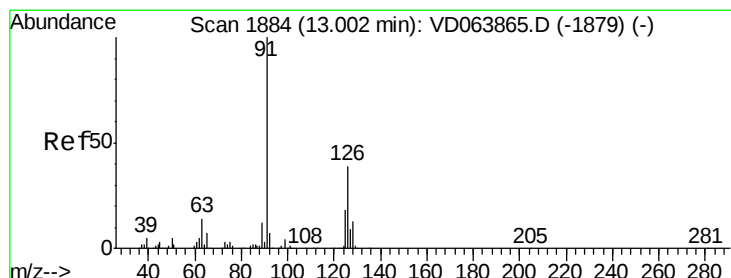
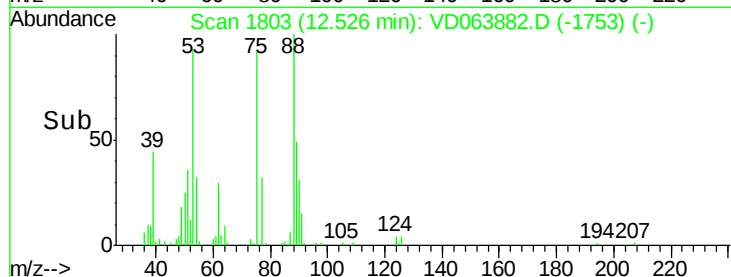
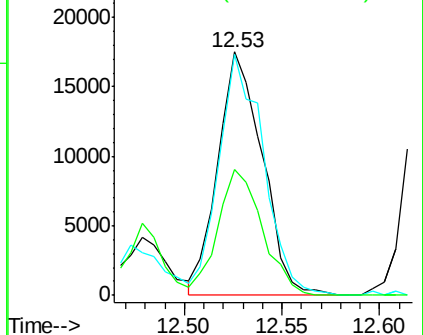
89 52.0 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 44.113 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063882.D

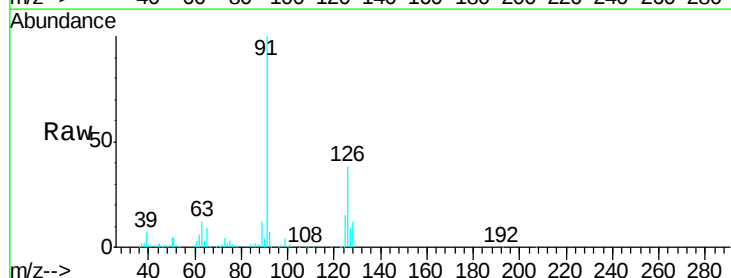
Acq: 03 Oct 2019 18:16

Tgt Ion: 91 Resp: 352665

Ion Ratio Lower Upper

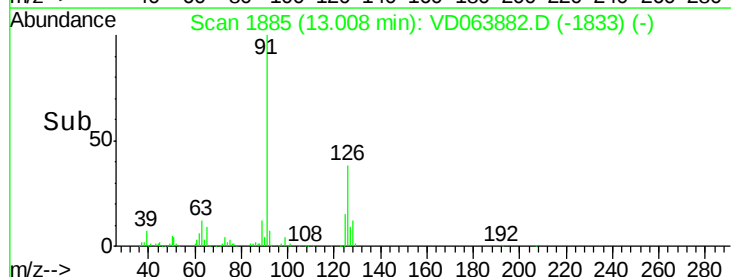
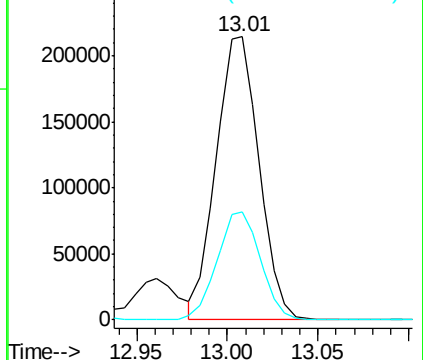
91 100

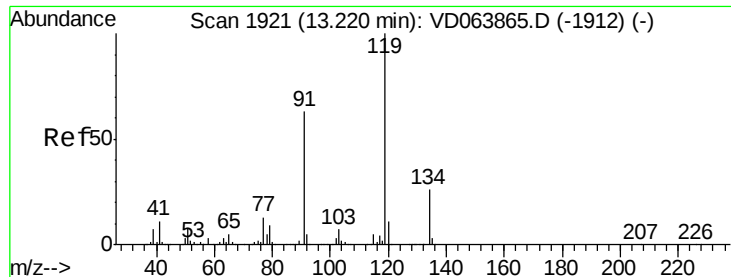
126 38.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

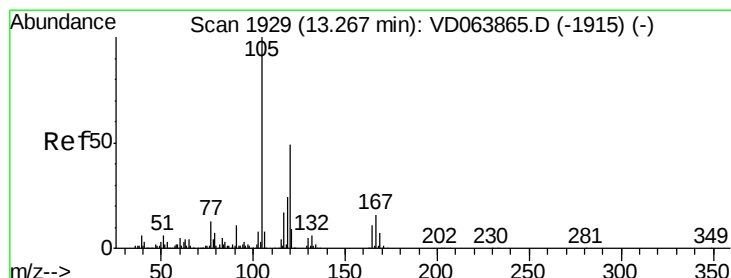
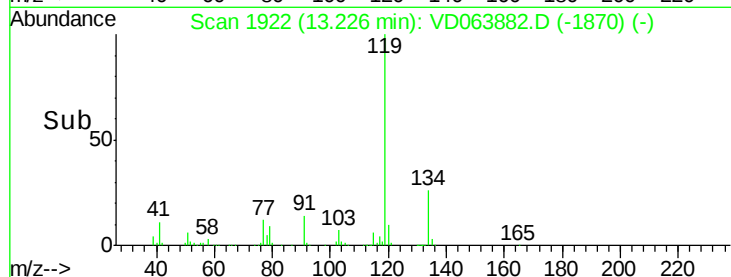
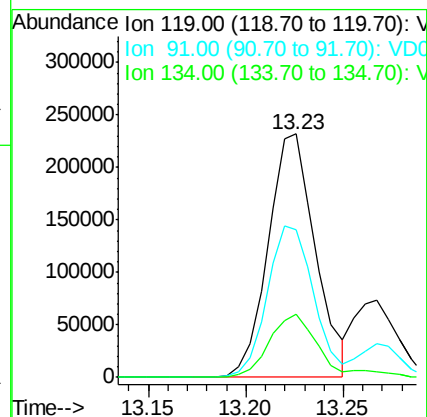
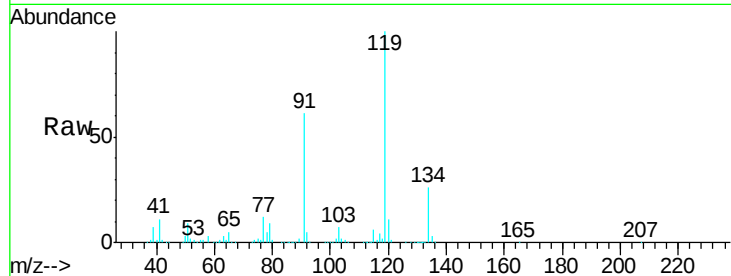




#83
tert-Butylbenzene
Concen: 44.958 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

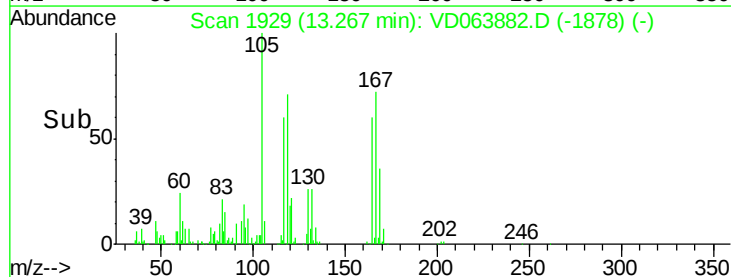
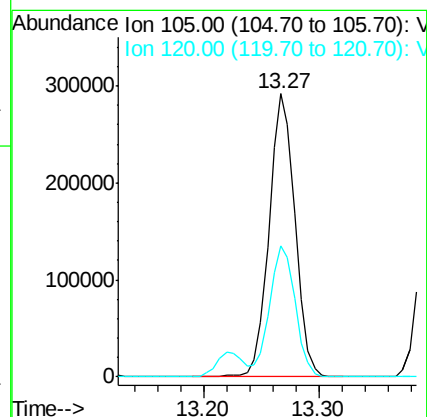
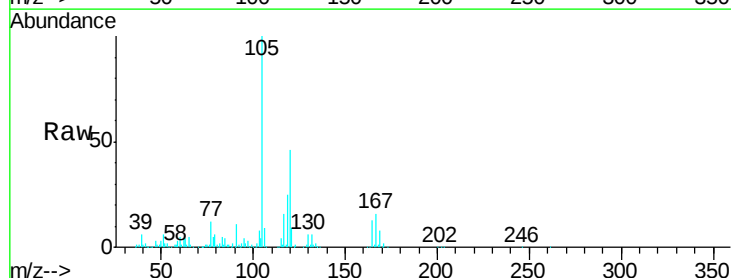
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

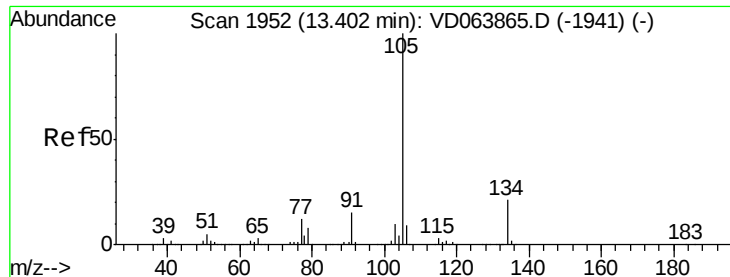
Tgt Ion:119 Resp: 388682
Ion Ratio Lower Upper
119 100
91 61.1 30.0 90.0
134 27.6 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 45.580 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion:105 Resp: 456474
Ion Ratio Lower Upper
105 100
120 46.4 23.8 71.5

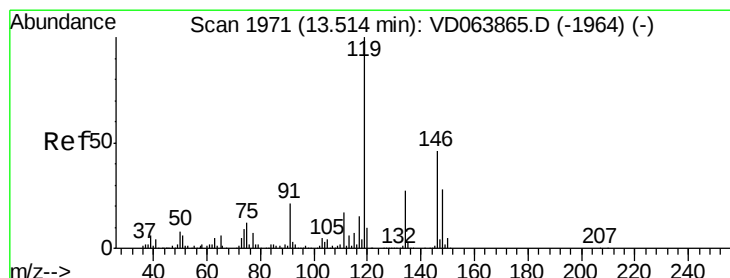
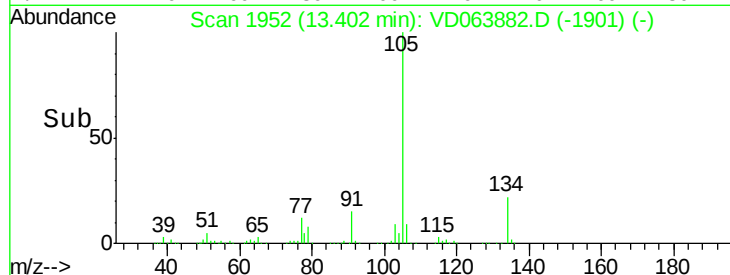
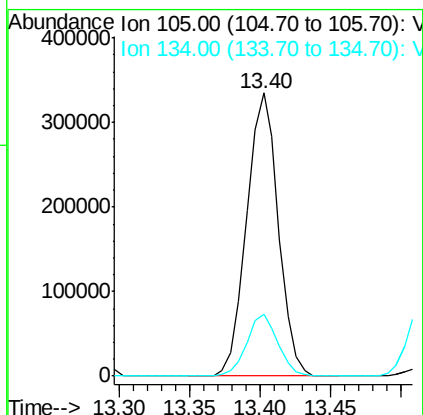
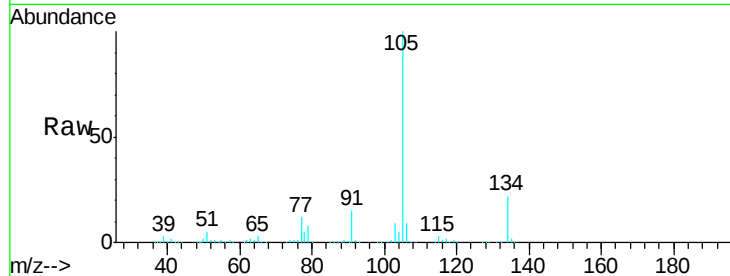




#85
 sec-Butylbenzene
 Concen: 45.198 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

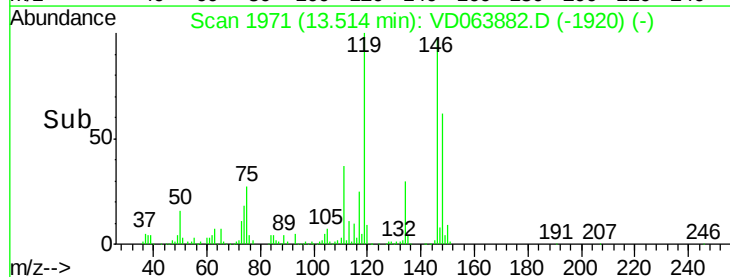
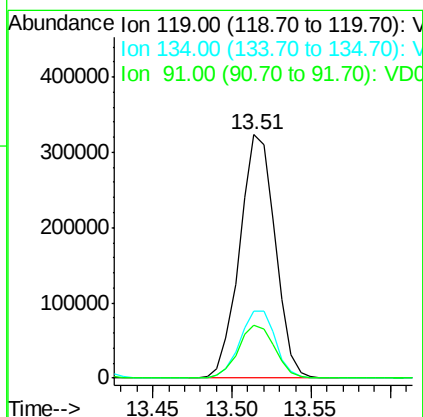
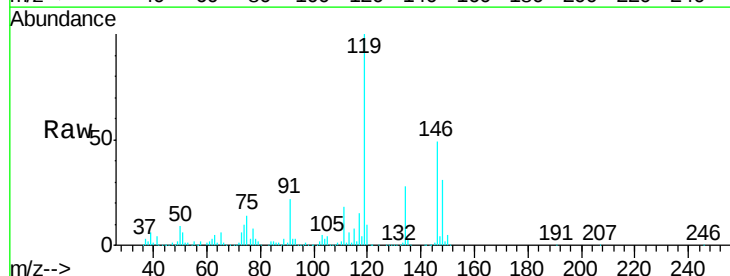
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

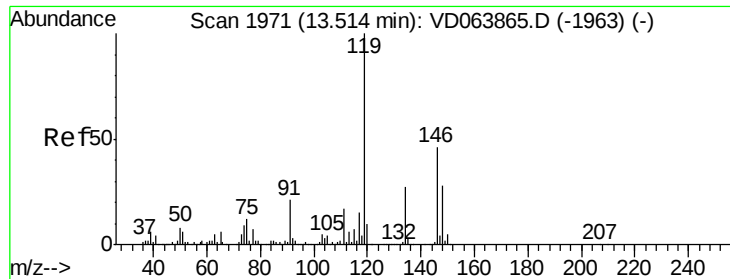
Tgt Ion:105 Resp: 527714
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 45.410 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion:119 Resp: 501695
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.9 41.6
 91 22.4 11.2 33.5

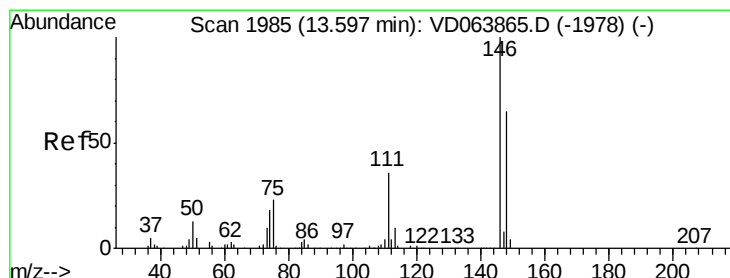
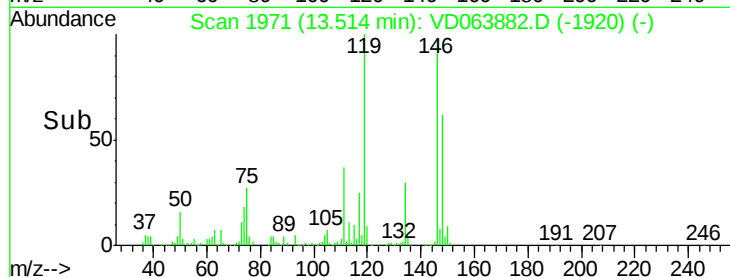
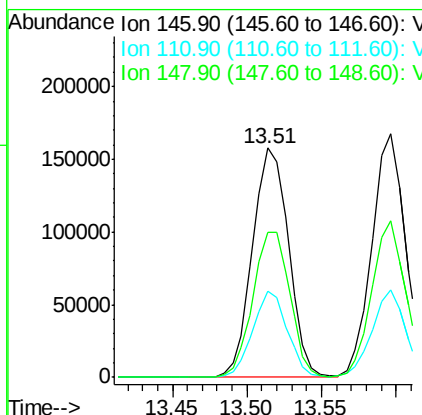
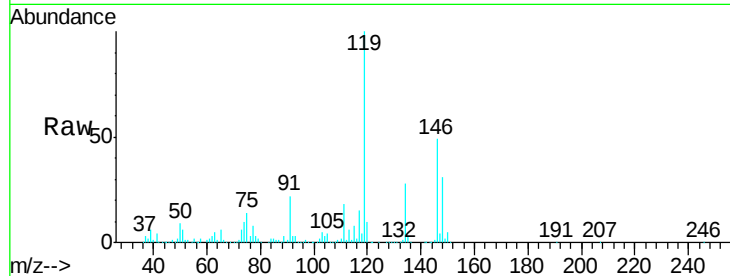




#87
 1,3-Dichlorobenzene
 Concen: 46.024 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

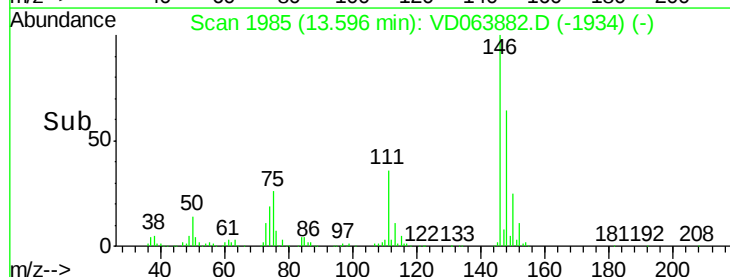
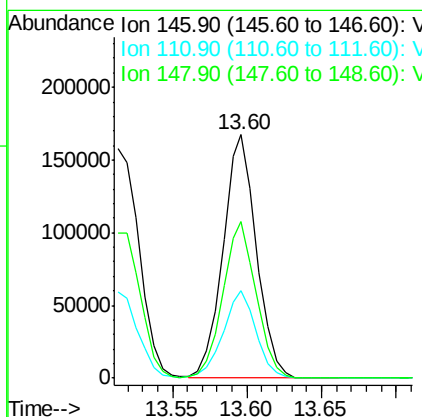
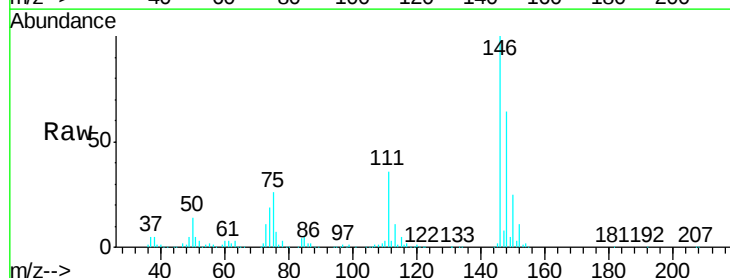
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

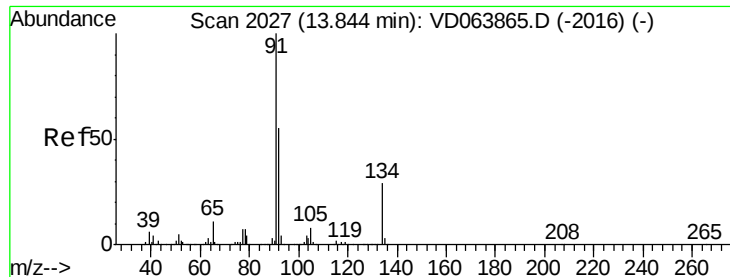
Tgt Ion:146 Resp: 263815
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.3 54.9
 148 64.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.202 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion:146 Resp: 261272
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.6 56.0
 148 64.1 32.6 98.0

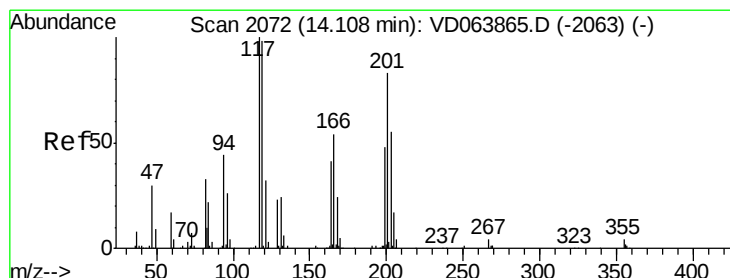
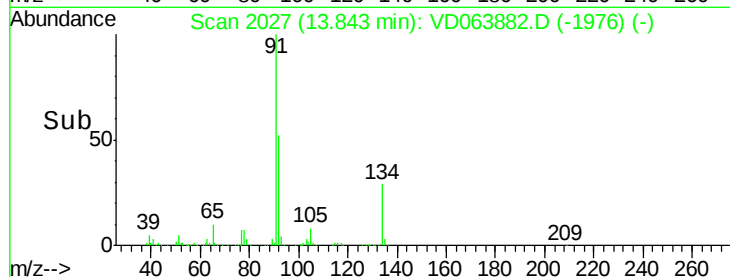
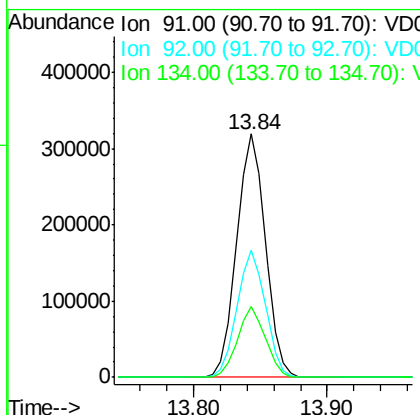
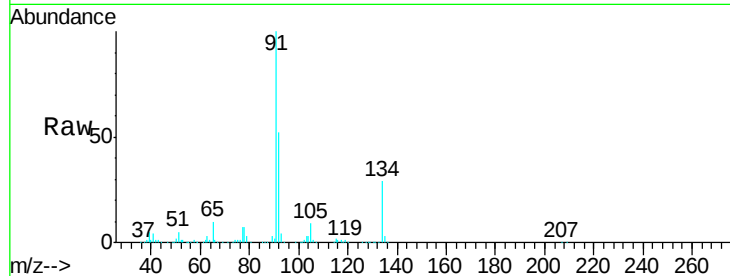




#89
n-Butylbenzene
Concen: 46.418 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

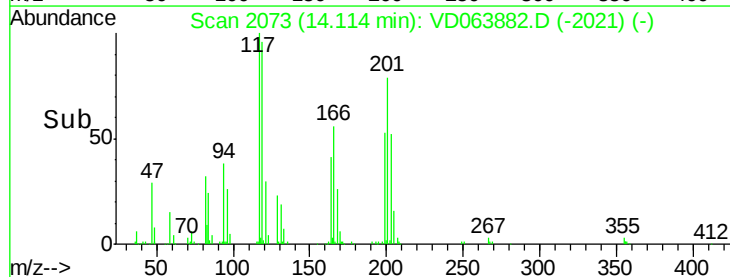
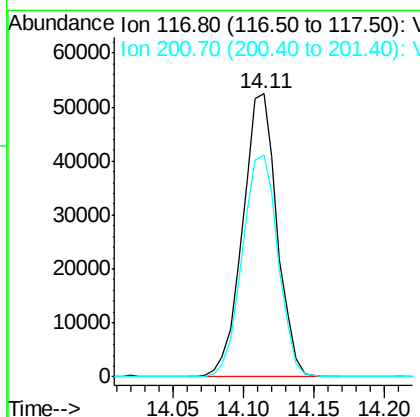
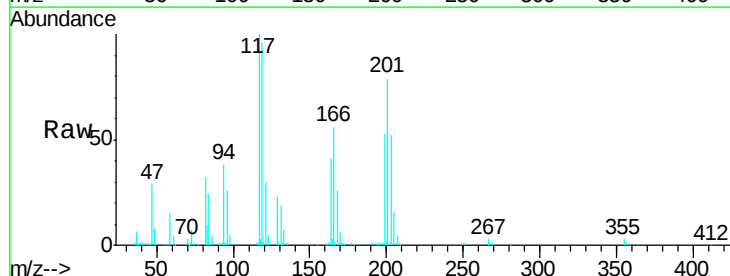
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

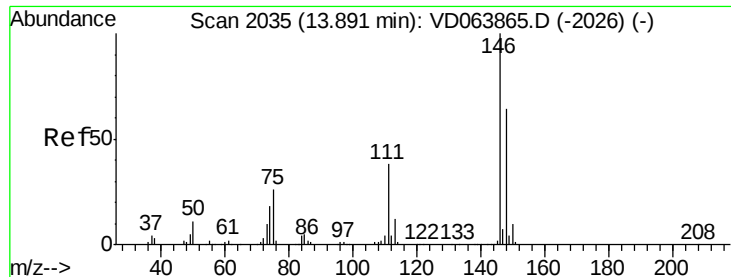
Tgt Ion: 91 Resp: 477355
Ion Ratio Lower Upper
91 100
92 51.6 26.8 80.3
134 27.9 14.4 43.0



#90
Hexachloroethane
Concen: 45.053 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 117 Resp: 89523
Ion Ratio Lower Upper
117 100
201 81.2 40.6 121.7

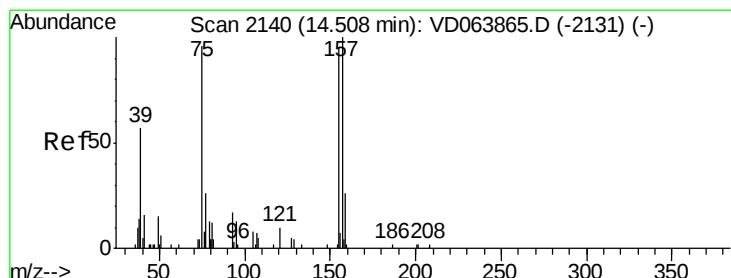
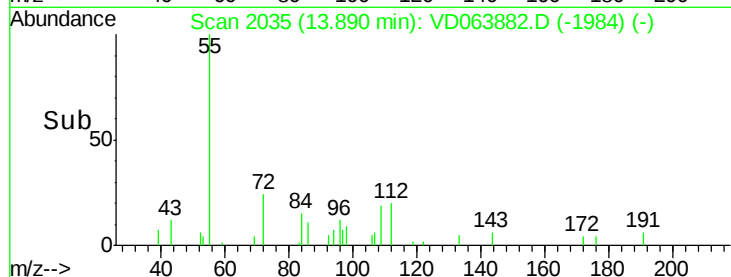
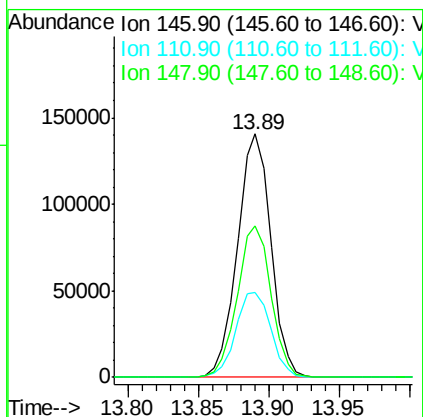
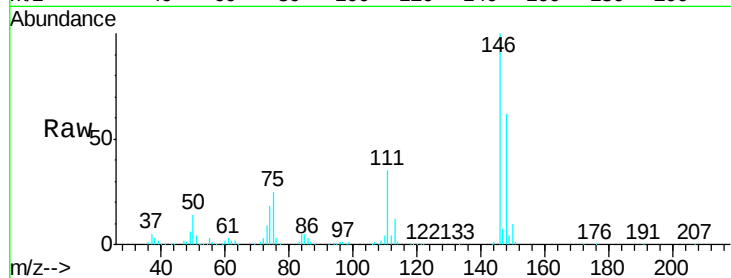




#91
 1,2-Dichlorobenzene
 Concen: 47.016 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

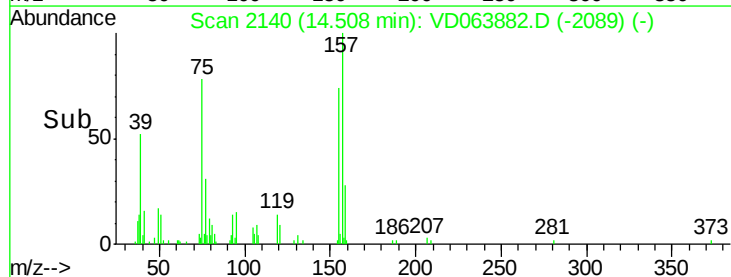
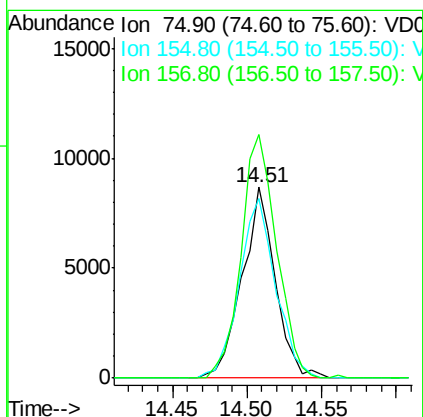
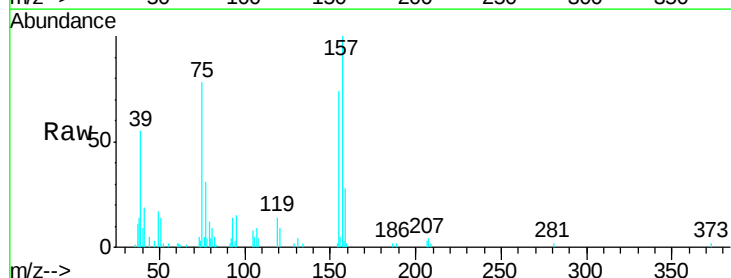
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

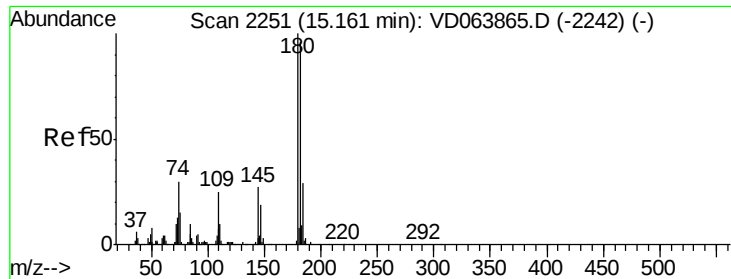
Tgt Ion: 146 Resp: 232251
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.6
 148 63.0 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.986 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion: 75 Resp: 13342
 Ion Ratio Lower Upper
 75 100
 155 103.4 43.9 131.6
 157 136.1 56.0 167.9

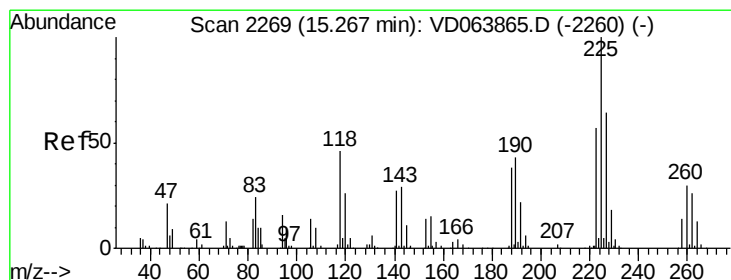
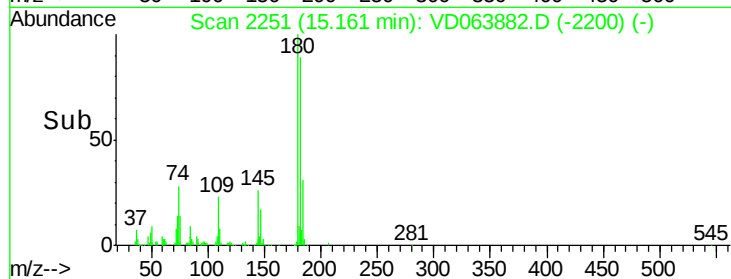
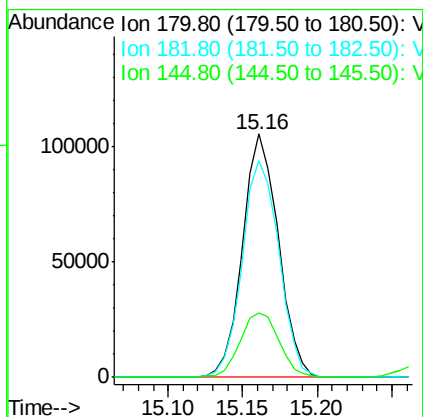
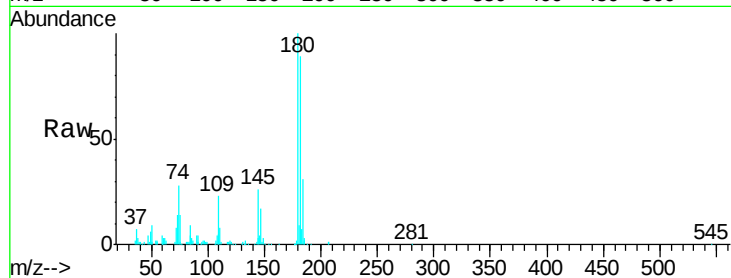




#93
 1,2,4-Trichlorobenzene
 Concen: 45.959 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

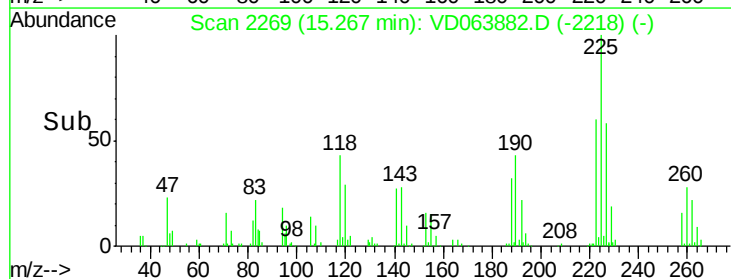
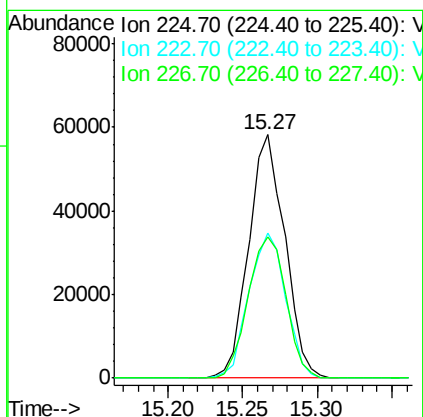
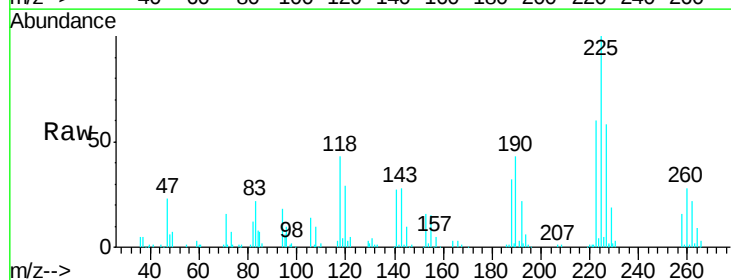
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

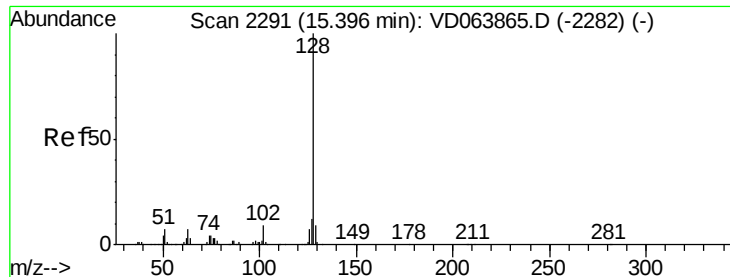
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.4	142.3
145	28.7	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 46.343 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	29.5	88.6
227	60.7	30.8	92.4

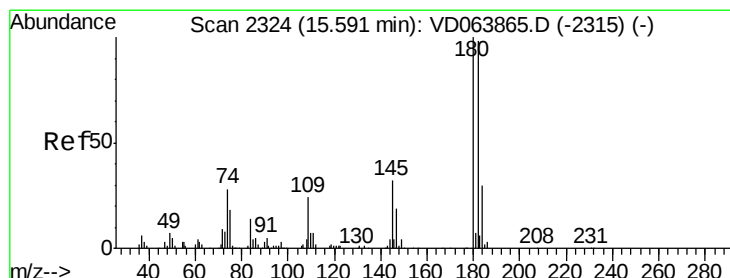
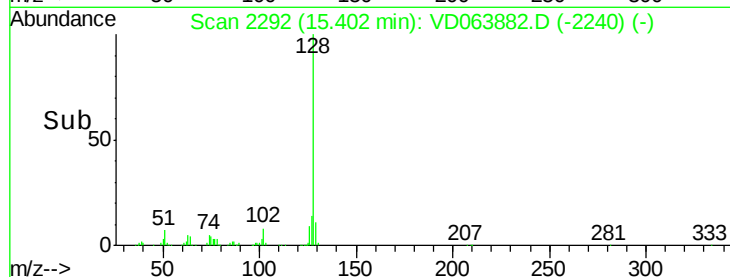
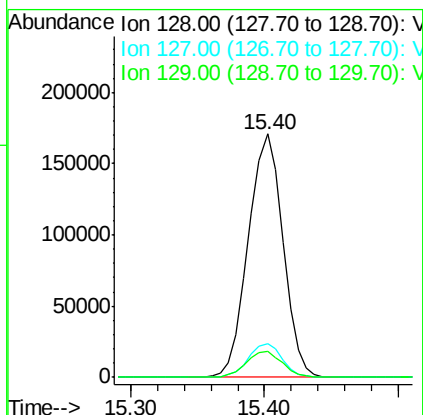
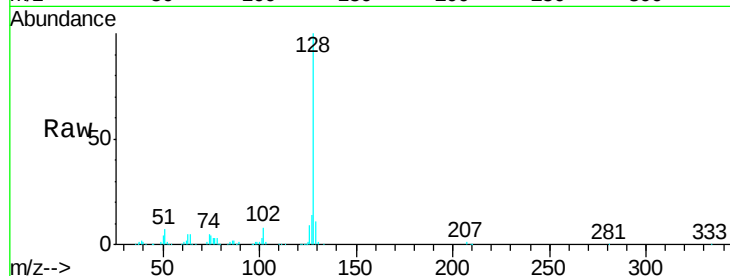




#95
Naphthalene
Concen: 47.858 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 306598
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.627 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion:180 Resp: 150050
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.0
145 31.0 15.3 45.9

