

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
 Data File : VD063873.D
 Acq On : 02 Oct 2019 21:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 03 04:13:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	192294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	321289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	91403	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.92	113	90153	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	10.34	98	375576	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.63	95	127854	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56419	41.372	ug/l	93
3) Chloromethane	2.21	50	201525	55.160	ug/l	99
4) Vinyl Chloride	2.34	62	221468	50.248	ug/l	96
5) Bromomethane	2.77	94	130007	45.881	ug/l	97
6) Chloroethane	2.92	64	145243	49.829	ug/l	94
7) Trichlorofluoromethane	3.27	101	277522	47.624	ug/l	95
8) Diethyl Ether	3.71	74	45848	49.018	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	74791	46.366	ug/l	98
10) Methyl Iodide	4.29	142	109369	49.206	ug/l	99
11) Tert butyl alcohol	5.26	59	34269	263.932	ug/l #	71
12) 1,1-Dichloroethene	4.05	96	75176	46.647	ug/l	93
13) Acrolein	3.92	56	41471	248.022	ug/l	100
14) Allyl chloride	4.71	41	131865	49.215	ug/l	98
15) Acrylonitrile	5.43	53	104464	253.322	ug/l	98
16) Acetone	4.17	43	109594	224.847	ug/l	93
17) Carbon Disulfide	4.40	76	277196	47.317	ug/l	97
18) Methyl Acetate	4.72	43	46194	48.455	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	211893	50.775	ug/l	96
20) Methylene Chloride	4.96	84	112820	52.304	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	99938	49.814	ug/l	93
22) Diisopropyl ether	6.37	45	286252	52.311	ug/l	97
23) Vinyl Acetate	6.31	43	846859	260.149	ug/l	98
24) 1,1-Dichloroethane	6.27	63	170238	50.507	ug/l	97
25) 2-Butanone	7.23	43	140224	242.753	ug/l	92
26) 2,2-Dichloropropane	7.21	77	137619	45.135	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112603	49.588	ug/l	98
28) Bromochloromethane	7.55	49	66864	52.097	ug/l	99
29) Tetrahydrofuran	7.57	42	82856	245.748	ug/l	100
30) Chloroform	7.71	83	182445	49.836	ug/l	95
31) Cyclohexane	7.98	56	143394	51.582	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	157661	50.205	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137083	48.134	ug/l	99
37) Ethyl Acetate	7.30	43	59687	52.462	ug/l	99
38) Carbon Tetrachloride	8.10	117	135476	47.073	ug/l #	96

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 VSTDCCC050EC

Quant Time: Oct 03 04:13:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162840	46.503	ug/l	93
40) Benzene	8.35	78	408047	49.997	ug/l	99
41) Methacrylonitrile	7.53	41	31422	47.588	ug/l	93
42) 1,2-Dichloroethane	8.43	62	119156	50.472	ug/l	99
43) Isopropyl Acetate	8.46	43	119583	50.068	ug/l	98
44) Trichloroethene	9.11	130	112975	48.004	ug/l	96
45) 1,2-Dichloropropane	9.39	63	99989	50.054	ug/l	93
46) Dibromomethane	9.48	93	57792	50.799	ug/l	98
47) Bromodichloromethane	9.67	83	144170	49.220	ug/l	99
48) Methyl methacrylate	9.46	41	55649	48.629	ug/l	93
49) 1,4-Dioxane	9.47	88	14844	955.879	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	308347	248.933	ug/l	96
52) Toluene	10.40	92	274448	48.986	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	144206	50.453	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	167983	51.056	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	80672	50.221	ug/l	97
56) Ethyl methacrylate	10.66	69	103185	50.725	ug/l	96
57) 1,3-Dichloropropane	10.95	76	144630	52.624	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	214601	245.433	ug/l	97
59) 2-Hexanone	10.98	43	221647	247.368	ug/l	97
60) Dibromochloromethane	11.14	129	104011	49.735	ug/l	97
61) 1,2-Dibromoethane	11.25	107	80627	51.774	ug/l	98
64) Tetrachloroethene	10.87	164	105160	47.945	ug/l	95
65) Chlorobenzene	11.67	112	319061	49.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	119870	50.418	ug/l	96
67) Ethyl Benzene	11.74	91	573311	49.275	ug/l	100
68) m/p-Xylenes	11.86	106	440766	98.149	ug/l	98
69) o-Xylene	12.18	106	210544	48.962	ug/l	97
70) Styrene	12.20	104	369314	50.733	ug/l	99
71) Bromoform	12.36	173	66128	51.826	ug/l #	99
73) Isopropylbenzene	12.48	105	549411	47.181	ug/l	98
74) N-amyl acetate	12.29	43	117390	46.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	94341	46.557	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	123057	106.066	ug/l #	100
77) Bromobenzene	12.76	156	137576	47.420	ug/l	98
78) n-propylbenzene	12.82	91	656824	48.054	ug/l	100
79) 2-Chlorotoluene	12.91	91	363113	48.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	468038	48.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	29140	44.446	ug/l	95
82) 4-Chlorotoluene	13.00	91	386508	48.343	ug/l	100
83) tert-Butylbenzene	13.22	119	415341	48.038	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	480083	47.934	ug/l	99
85) sec-Butylbenzene	13.40	105	549274	47.042	ug/l	100
86) p-Isopropyltoluene	13.51	119	529144	47.891	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	278096	48.512	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	272809	48.239	ug/l	99
89) n-Butylbenzene	13.84	91	487460	47.397	ug/l	99
90) Hexachloroethane	14.11	117	96054	48.336	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	242829	49.154	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	15666	49.746	ug/l	90

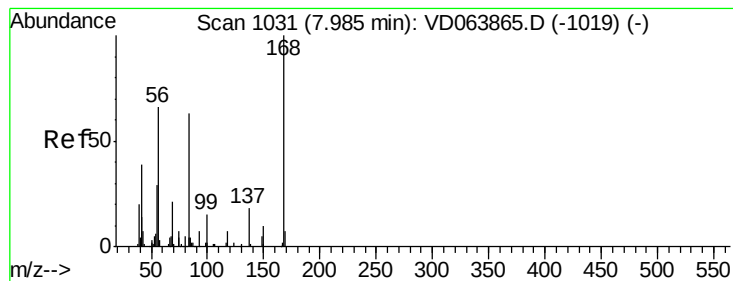
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
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Quant Time: Oct 03 04:13:14 2019
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Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:02:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	178672	46.872	ug/l	99
94) Hexachlorobutadiene	15.27	225	96049	45.661	ug/l	97
95) Naphthalene	15.40	128	321713	50.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	157805	47.982	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

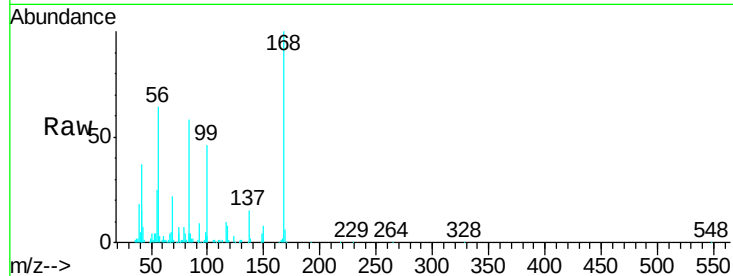
VSTDCCC050EC

Tgt Ion:168 Resp: 192294

Ion Ratio Lower Upper

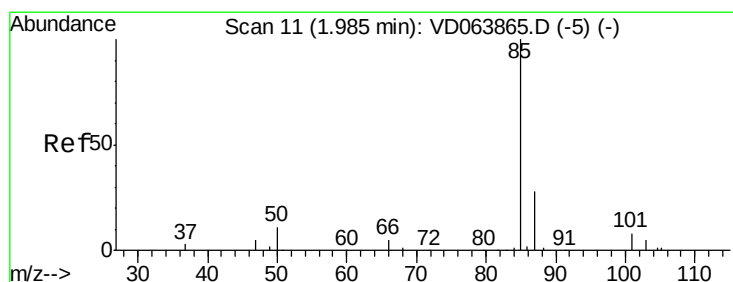
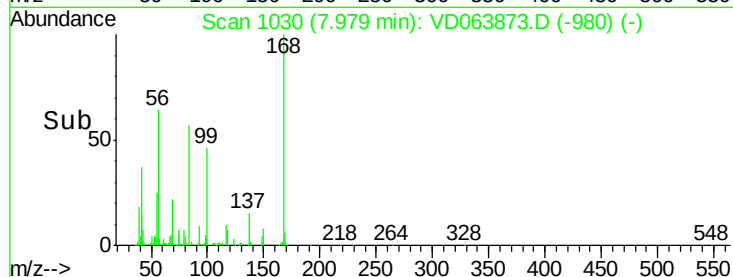
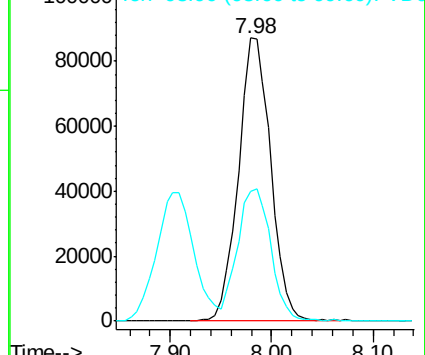
168 100

99 45.8 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: 41.372 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063873.D

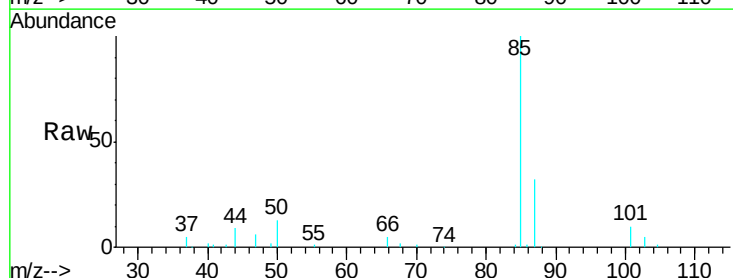
Acq: 02 Oct 2019 21:53

Tgt Ion: 85 Resp: 56419

Ion Ratio Lower Upper

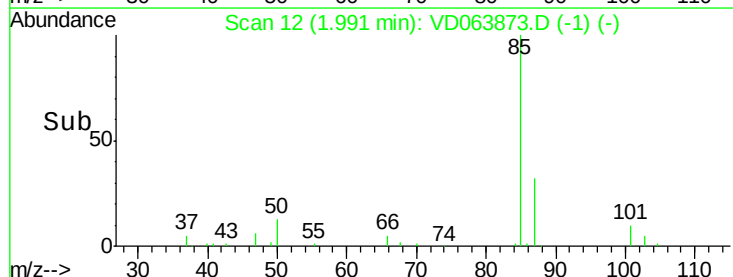
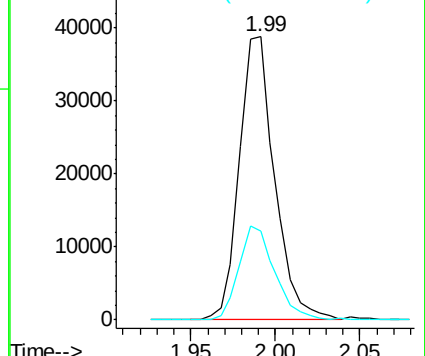
85 100

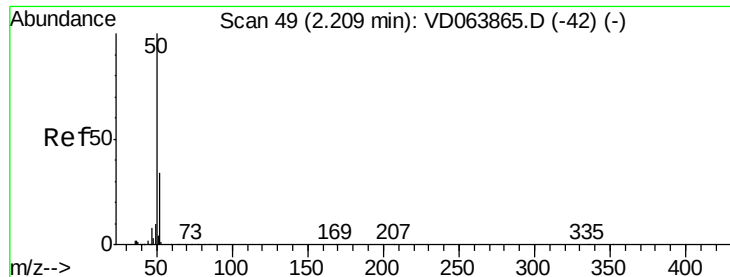
87 31.6 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 55.160 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

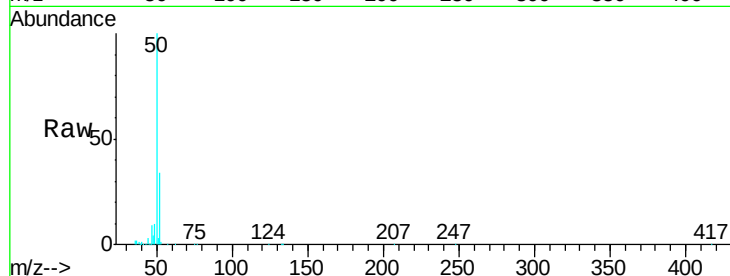
VSTDCCC050EC

Tgt Ion: 50 Resp: 201525

Ion Ratio Lower Upper

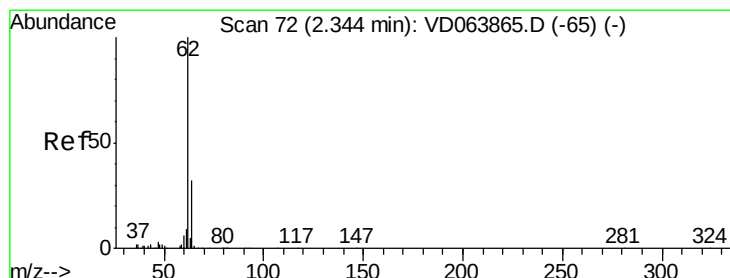
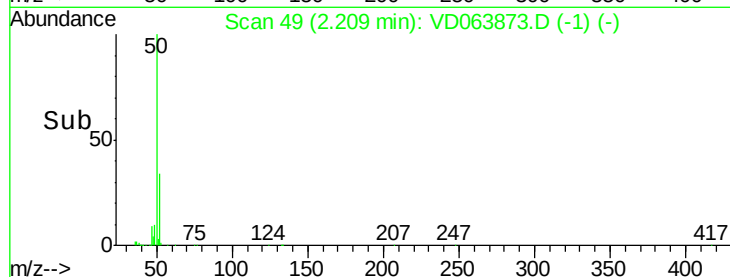
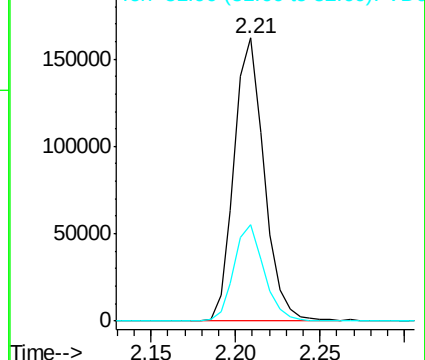
50 100

52 33.9 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.248 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063873.D

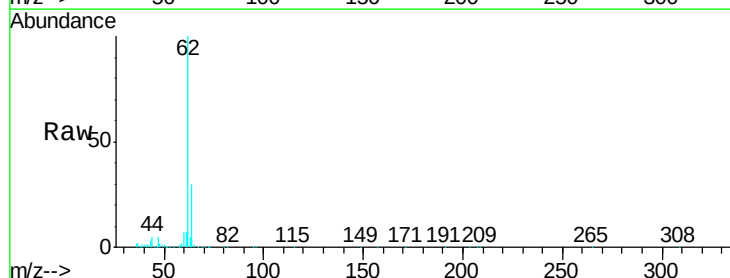
Acq: 02 Oct 2019 21:53

Tgt Ion: 62 Resp: 221468

Ion Ratio Lower Upper

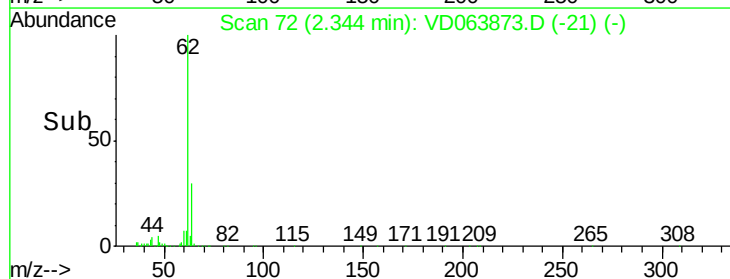
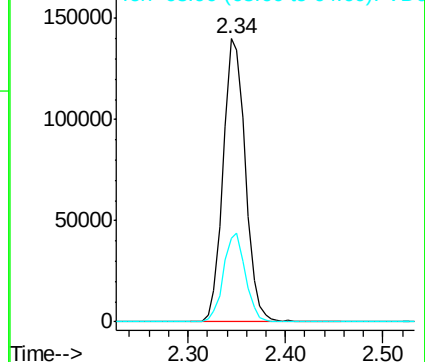
62 100

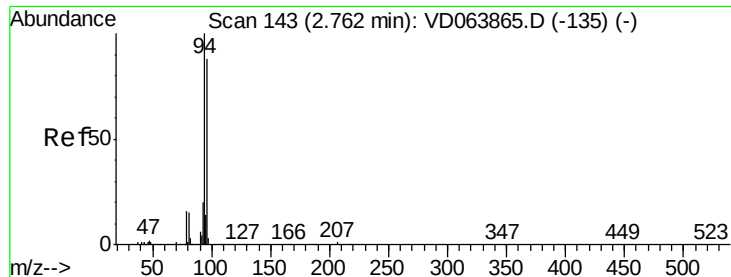
64 29.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.881 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

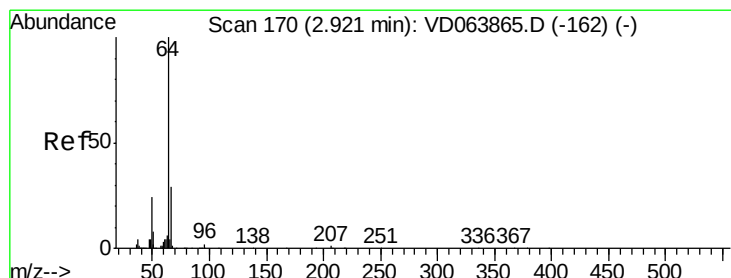
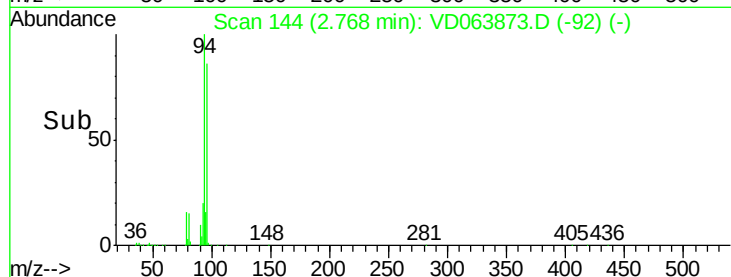
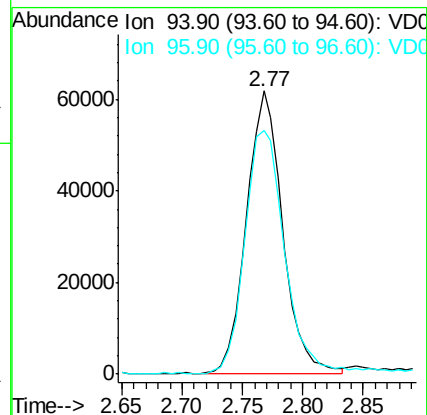
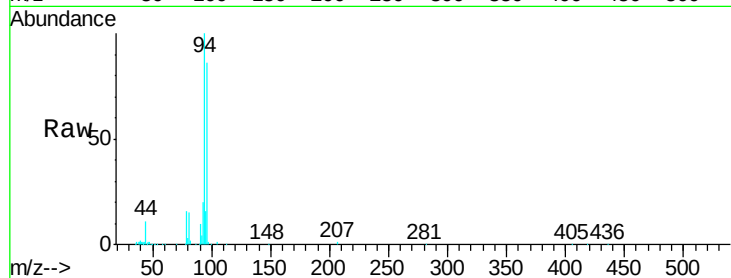
VSTDCCC050EC

Tgt Ion: 94 Resp: 130007

Ion Ratio Lower Upper

94 100

96 86.1 70.8 106.2



#6

Chloroethane

Concen: 49.829 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063873.D

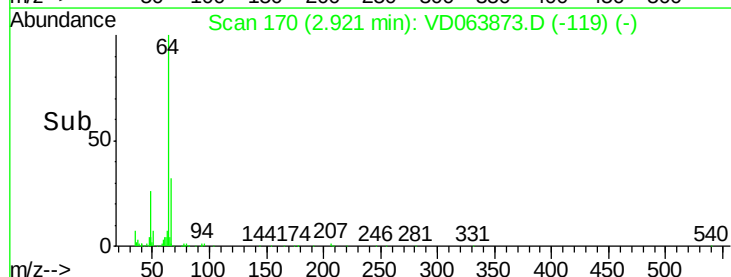
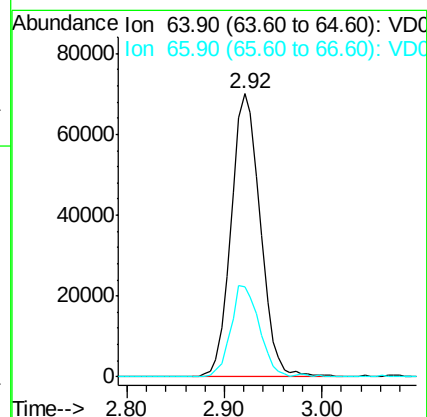
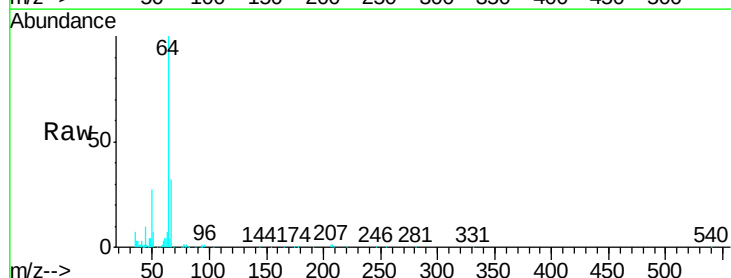
Acq: 02 Oct 2019 21:53

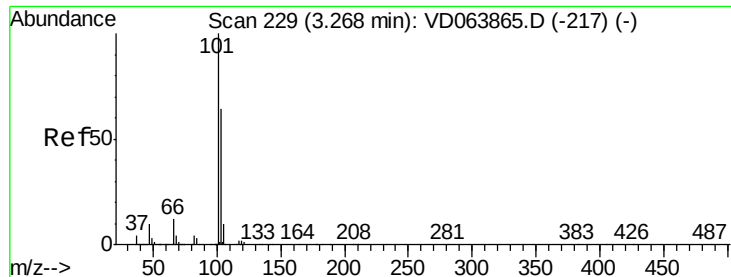
Tgt Ion: 64 Resp: 145243

Ion Ratio Lower Upper

64 100

66 31.8 23.0 34.4



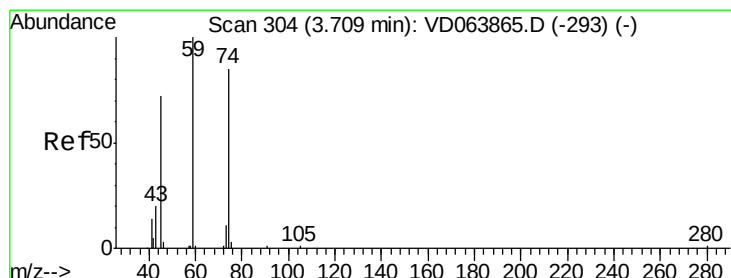
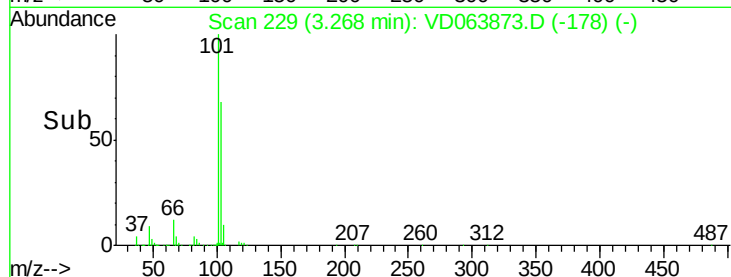
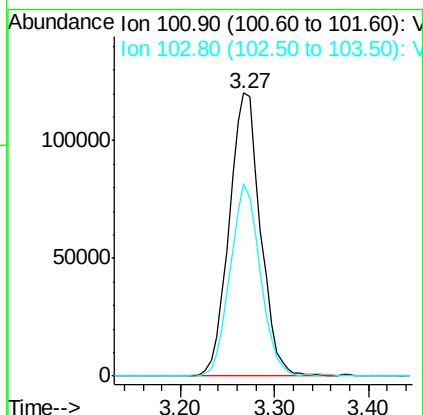
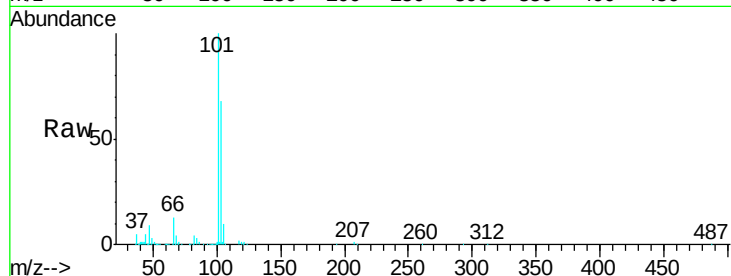


#7

Trichlorofluoromethane
Concen: 47.624 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

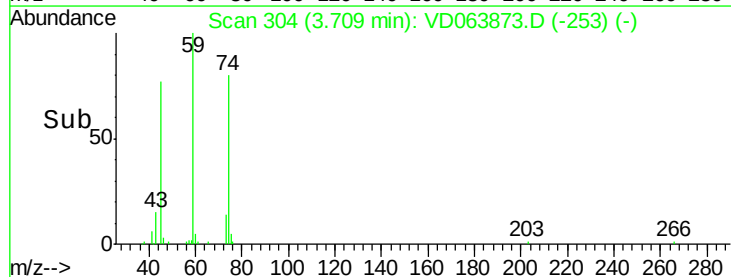
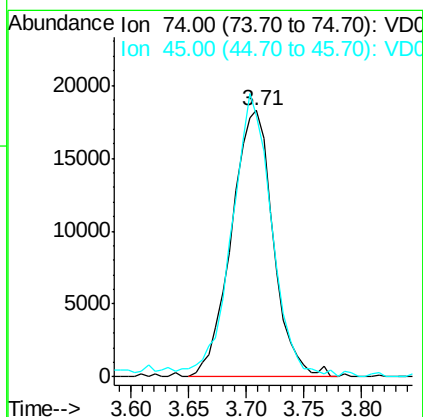
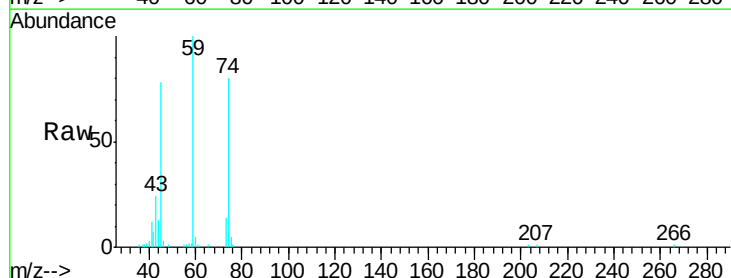
Tgt Ion:101 Resp: 277522
Ion Ratio Lower Upper
101 100
103 67.8 51.1 76.7

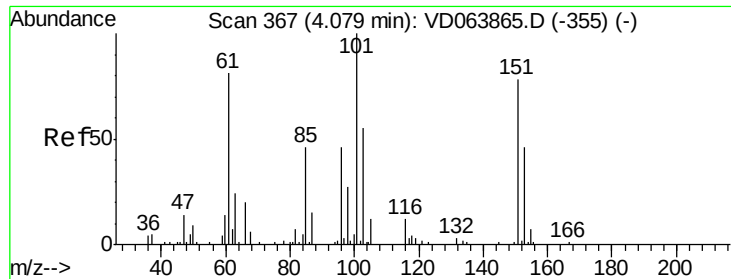


#8

Diethyl Ether
Concen: 49.018 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 74 Resp: 45848
Ion Ratio Lower Upper
74 100
45 99.3 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.366 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

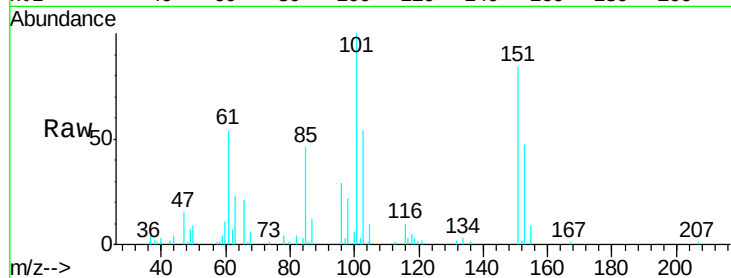
Tgt Ion:101 Resp: 74791

Ion Ratio Lower Upper

101 100

85 46.9 37.5 56.3

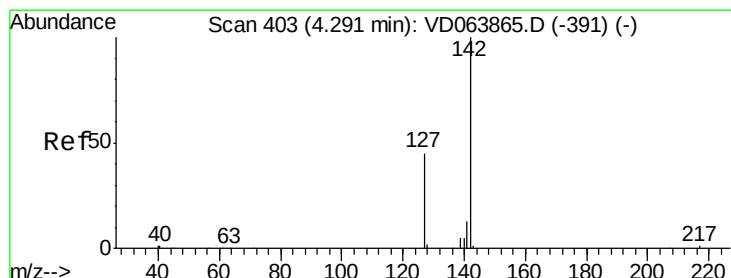
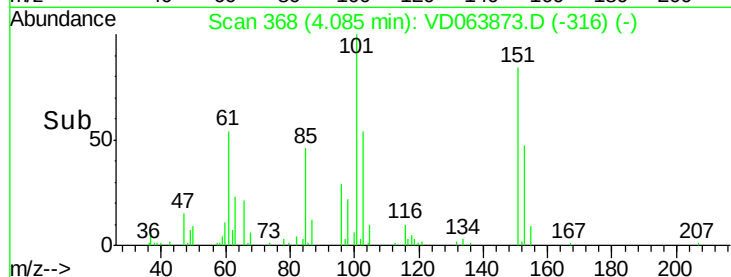
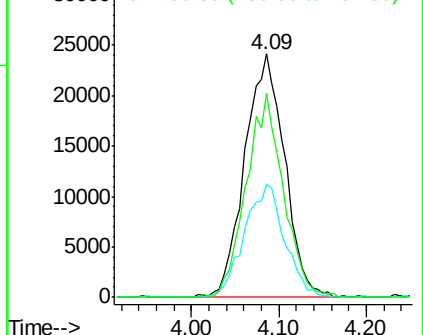
151 78.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.206 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

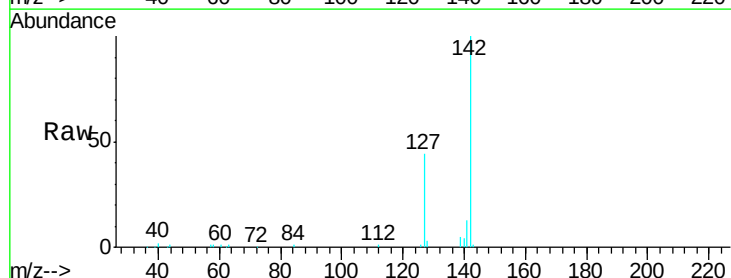
Tgt Ion:142 Resp: 109369

Ion Ratio Lower Upper

142 100

127 45.1 35.3 52.9

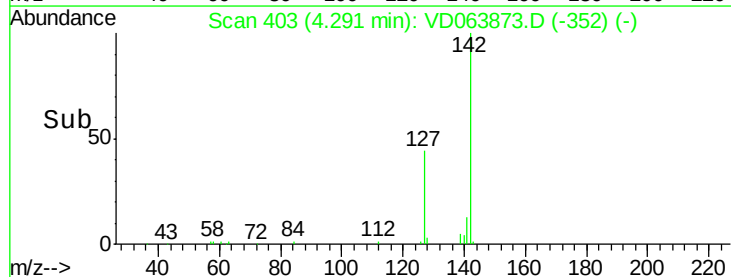
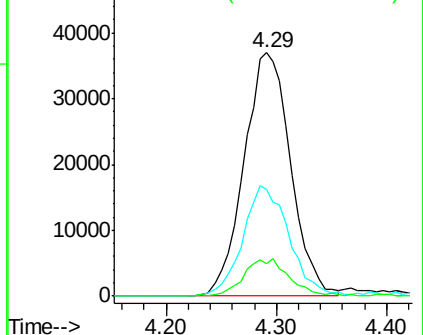
141 14.8 12.2 18.2

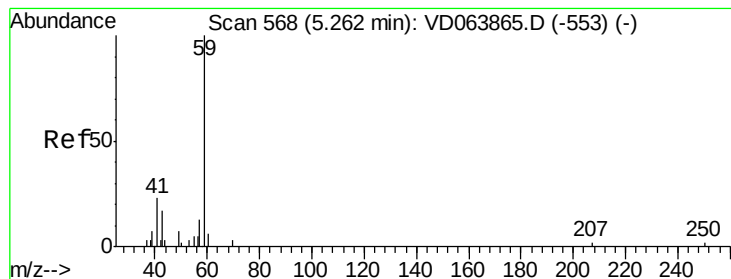


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



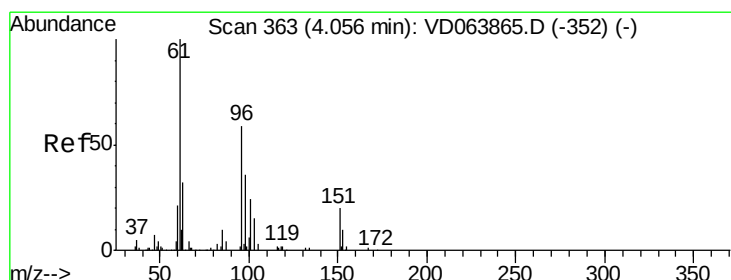
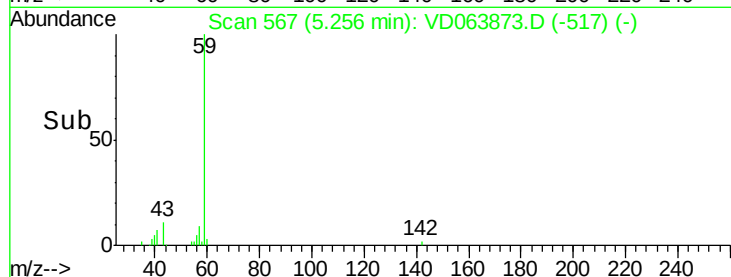
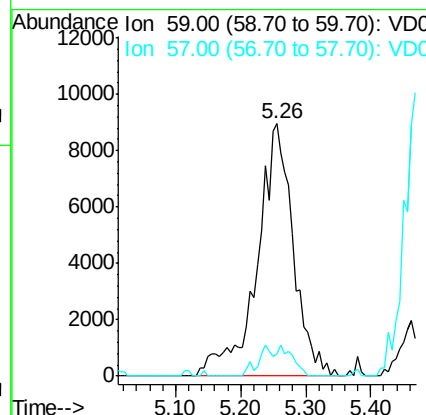
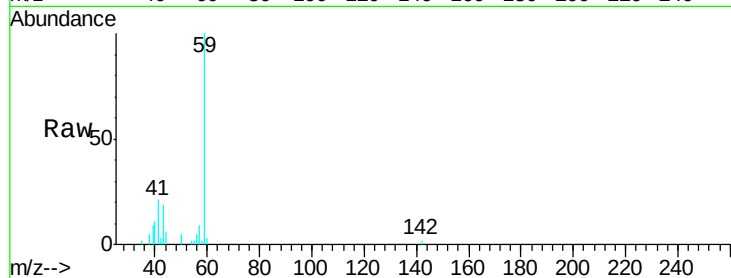


#11

Tert butyl alcohol
 Concen: 263.932 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

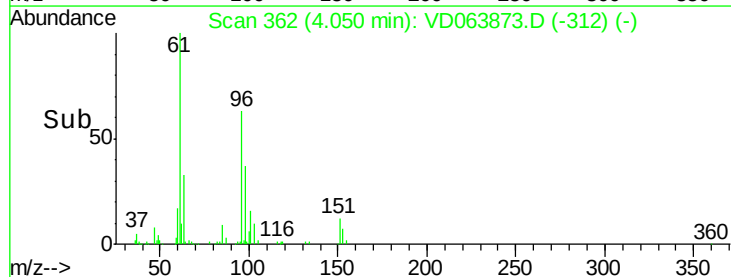
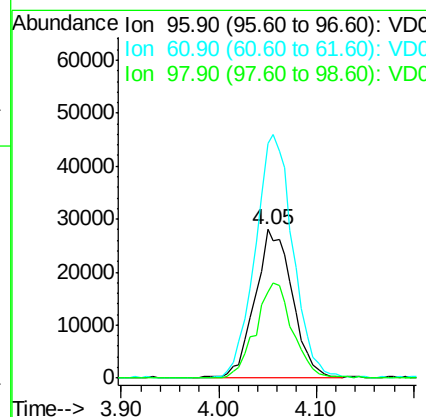
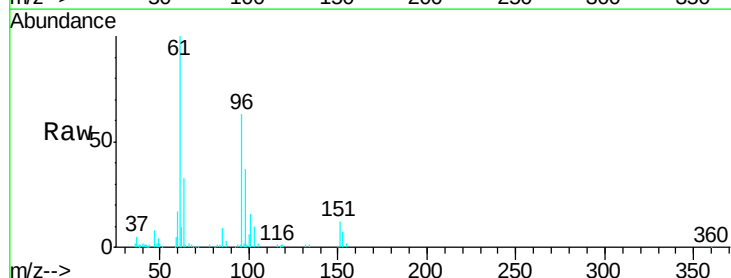
Tgt Ion: 59 Resp: 34269
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

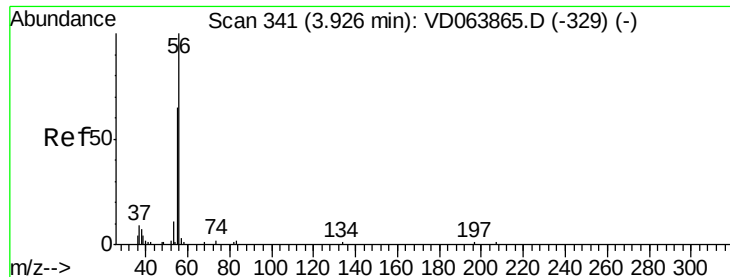


#12

1,1-Dichloroethene
 Concen: 46.647 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 96 Resp: 75176
 Ion Ratio Lower Upper
 96 100
 61 157.7 135.6 203.4
 98 58.3 49.2 73.8





#13

Acrolein

Concen: 248.022 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

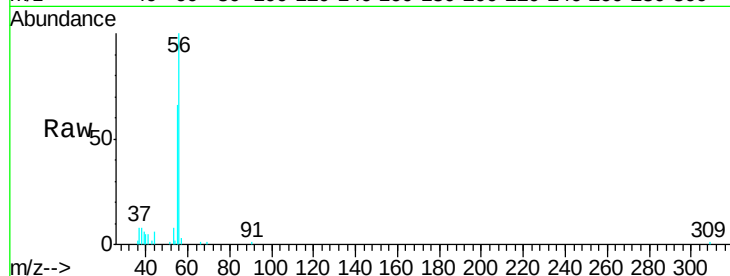
VSTDCCC050EC

Tgt Ion: 56 Resp: 41471

Ion Ratio Lower Upper

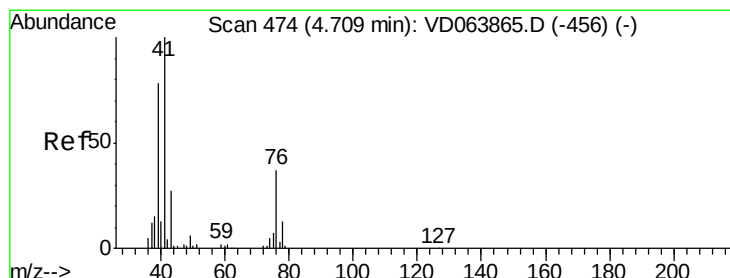
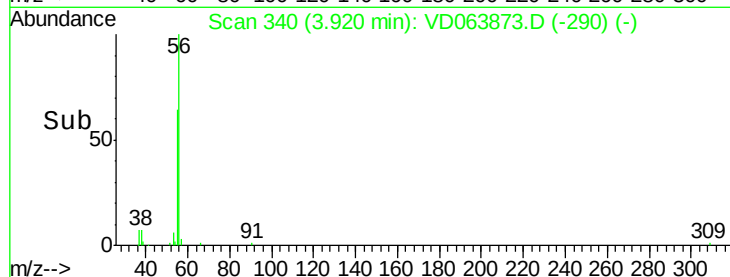
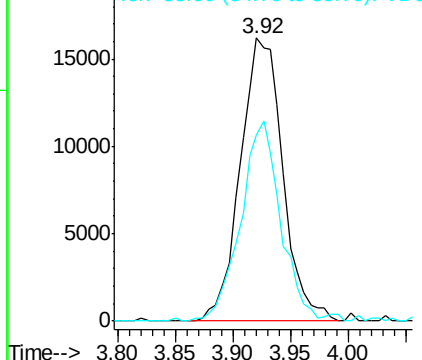
56 100

55 66.2 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: 49.215 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

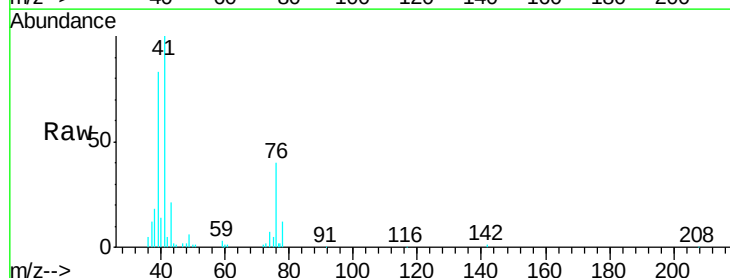
Tgt Ion: 41 Resp: 131865

Ion Ratio Lower Upper

41 100

39 79.3 61.8 92.6

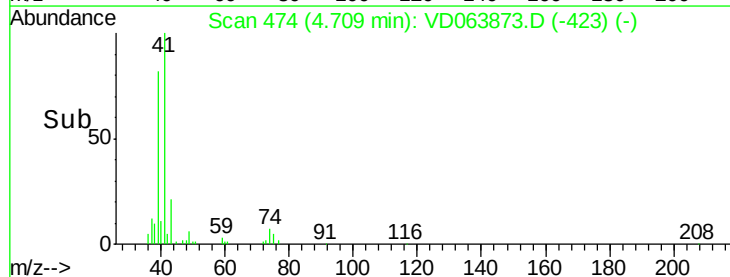
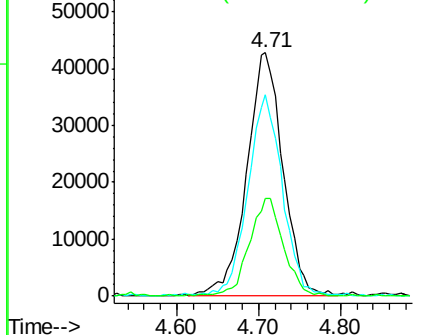
76 37.8 31.3 46.9

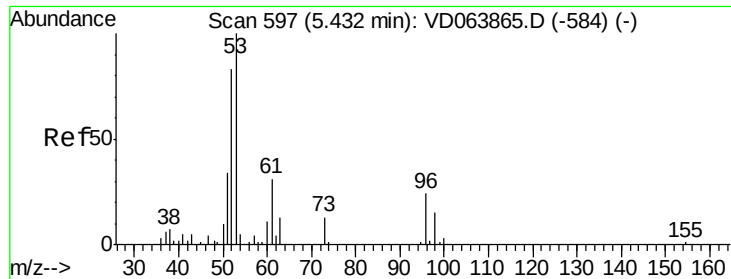


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 253.322 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

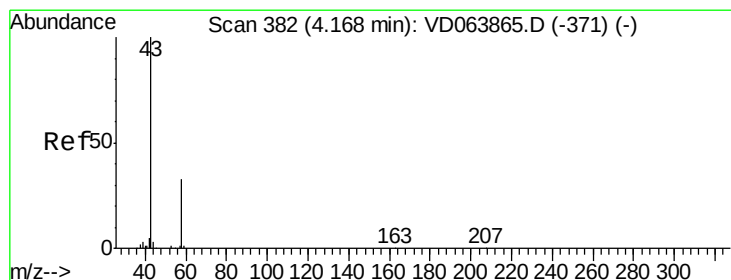
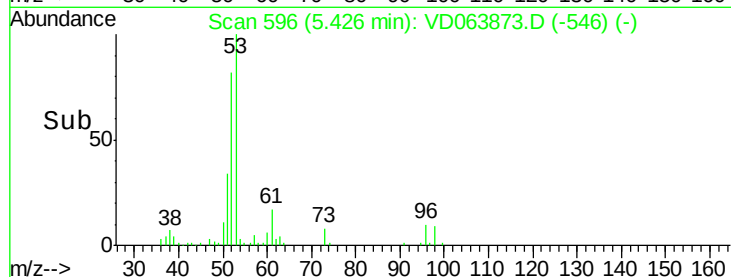
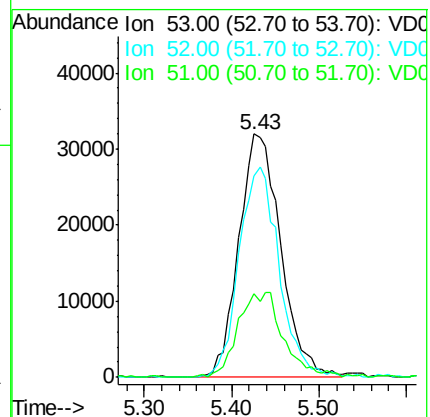
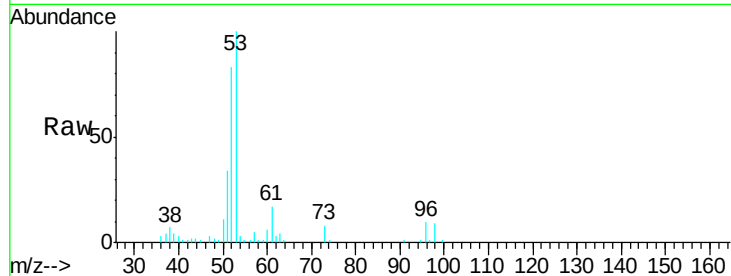
Tgt Ion: 53 Resp: 104464

Ion Ratio Lower Upper

53 100

52 82.7 67.3 100.9

51 36.9 30.5 45.7



#16

Acetone

Concen: 224.847 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063873.D

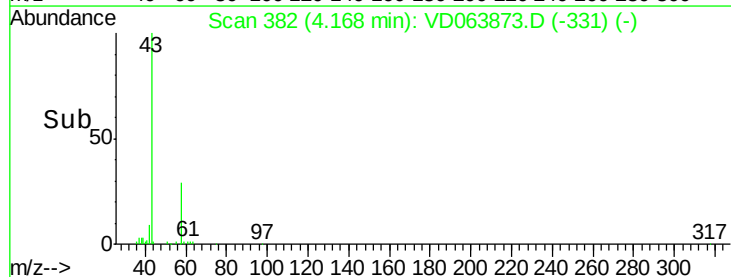
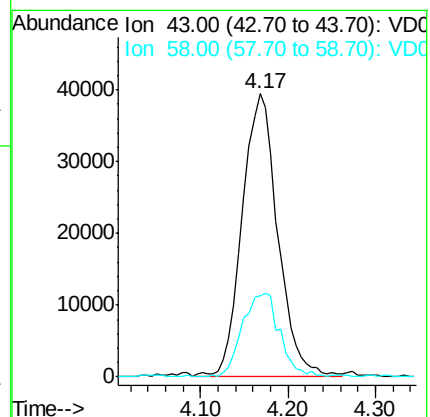
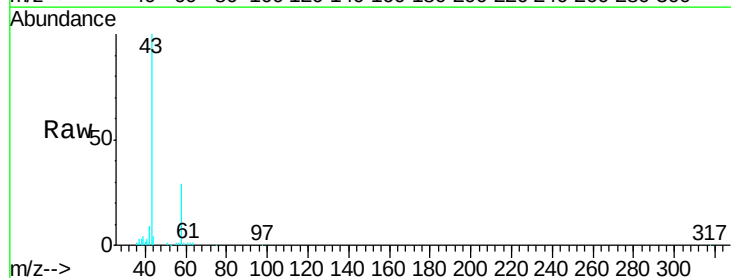
Acq: 02 Oct 2019 21:53

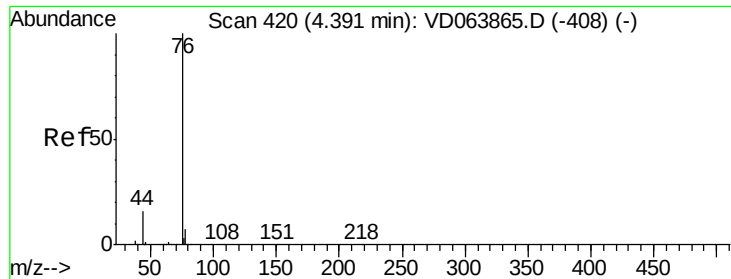
Tgt Ion: 43 Resp: 109594

Ion Ratio Lower Upper

43 100

58 28.9 26.2 39.4





#17

Carbon Disulfide

Concen: 47.317 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

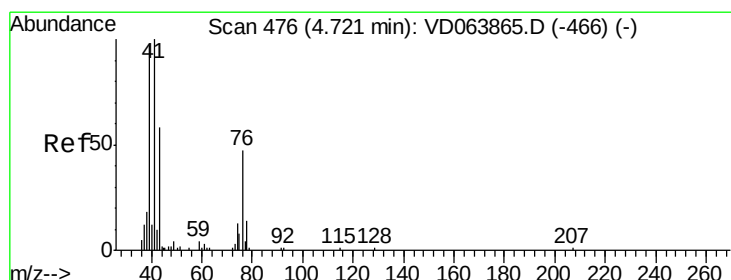
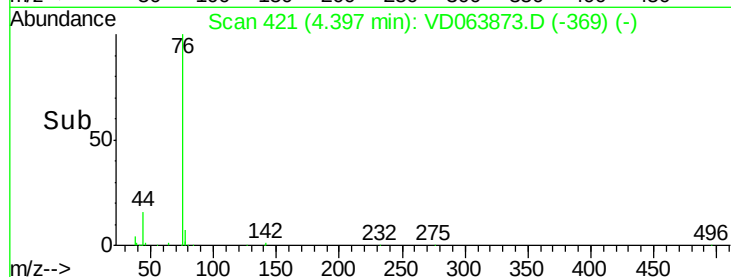
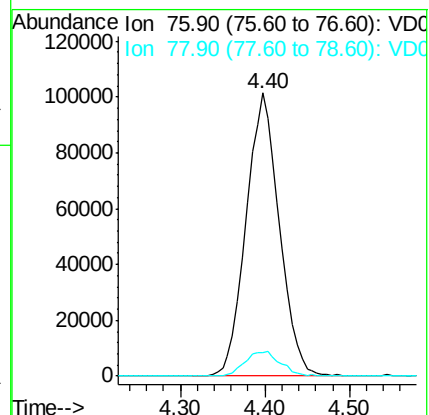
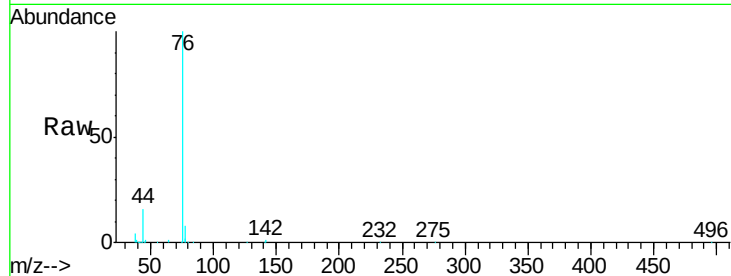
VSTDCCC050EC

Tgt Ion: 76 Resp: 277196

Ion Ratio Lower Upper

76 100

78 8.3 5.8 8.8



#18

Methyl Acetate

Concen: 48.455 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD063873.D

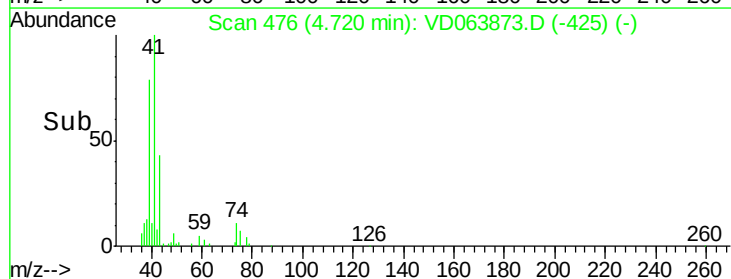
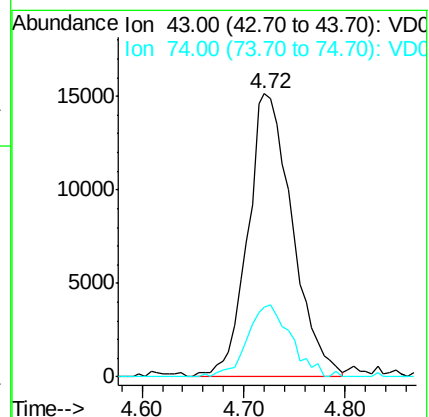
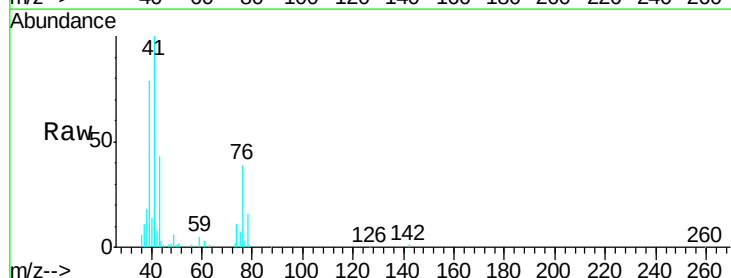
Acq: 02 Oct 2019 21:53

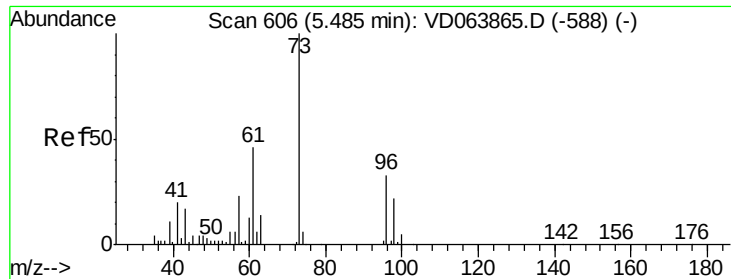
Tgt Ion: 43 Resp: 46194

Ion Ratio Lower Upper

43 100

74 24.6 20.8 31.2

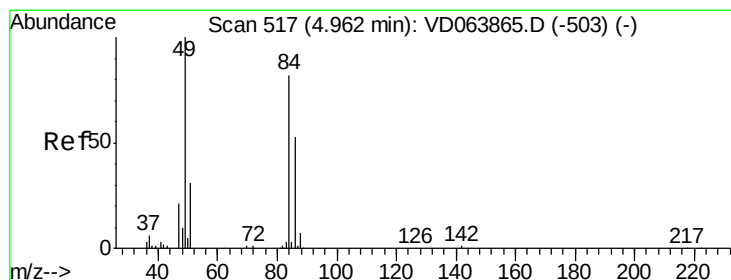
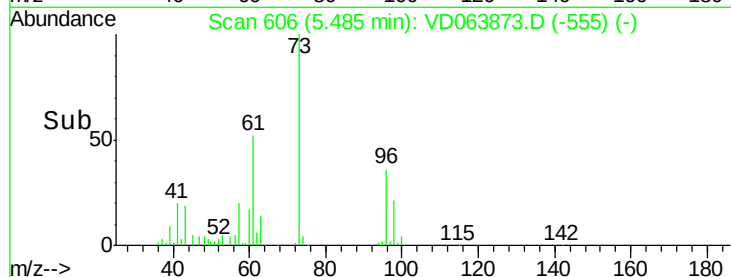
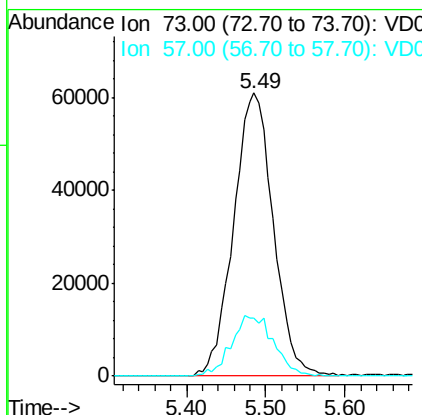
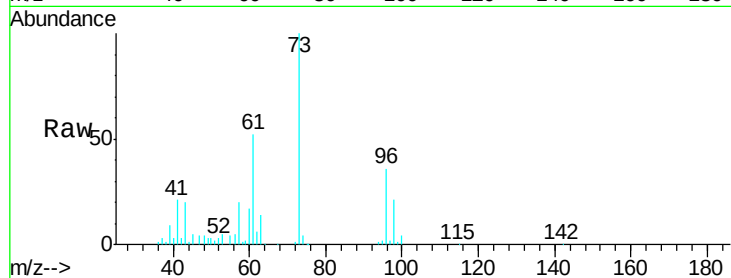




#19
Methyl tert-butyl Ether
Concen: 50.775 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

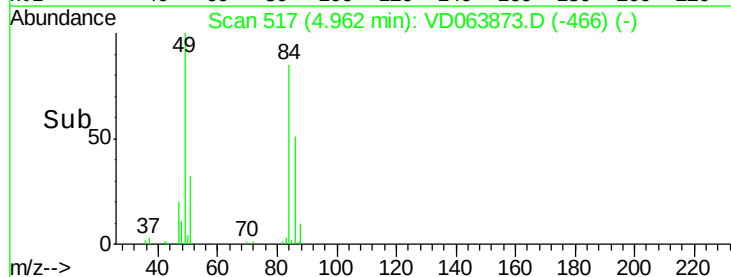
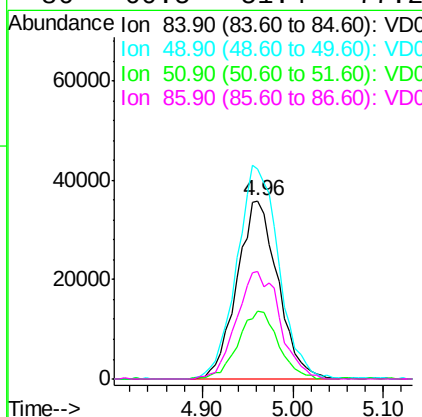
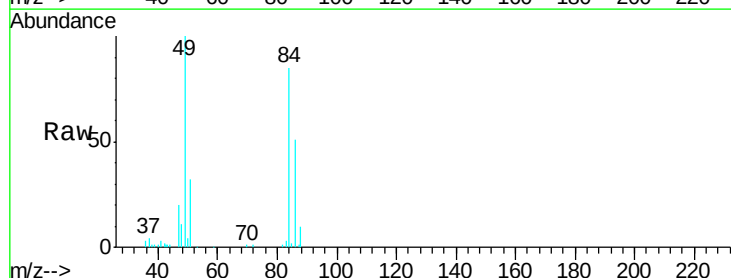
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

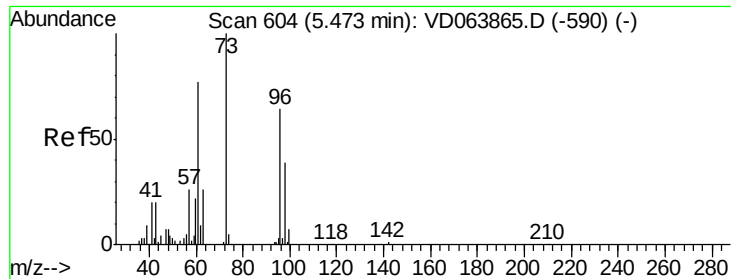
Tgt Ion: 73 Resp: 211893
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1



#20
Methylene Chloride
Concen: 52.304 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 84 Resp: 112820
Ion Ratio Lower Upper
84 100
49 118.0 97.3 145.9
51 37.8 30.1 45.1
86 60.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.814 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

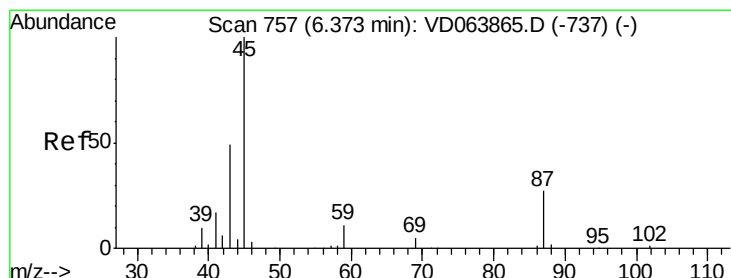
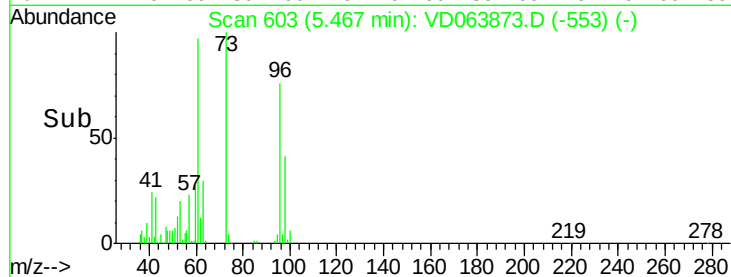
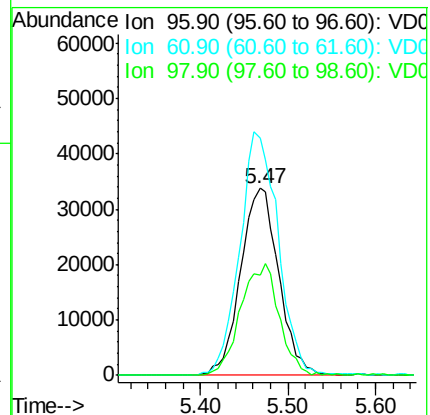
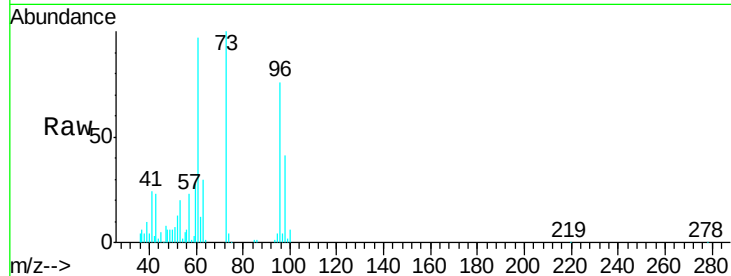
Tgt Ion: 96 Resp: 99938

Ion Ratio Lower Upper

96 100

61 127.1 96.6 145.0

98 53.7 48.7 73.1



#22

Diisopropyl ether

Concen: 52.311 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion: 45 Resp: 286252

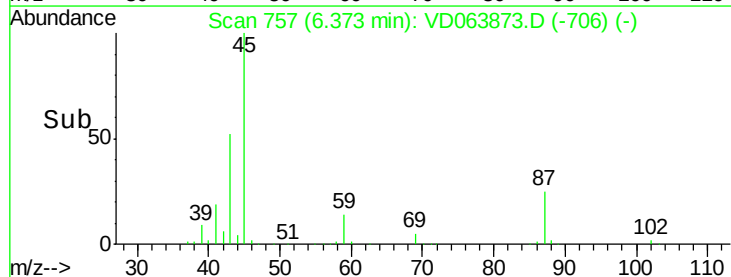
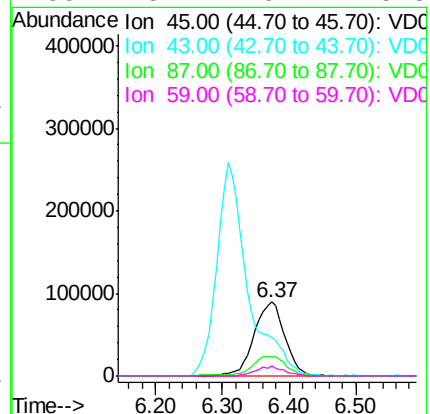
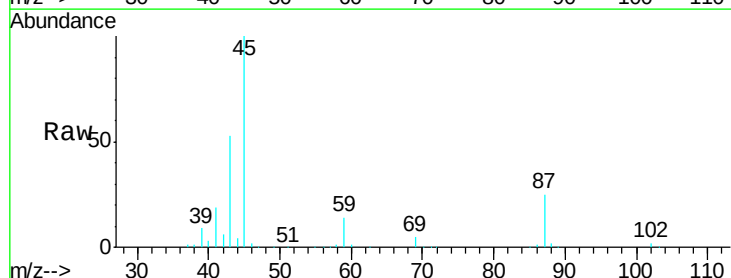
Ion Ratio Lower Upper

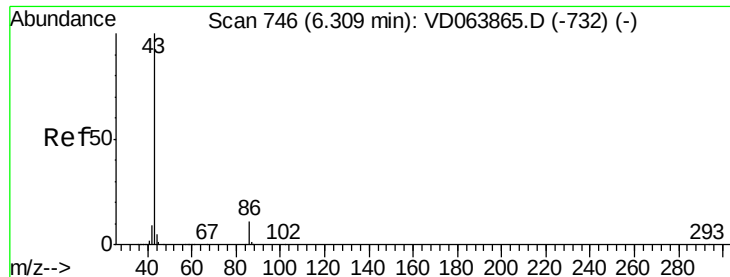
45 100

43 52.0 41.2 61.8

87 24.9 22.2 33.4

59 13.7 9.2 13.8

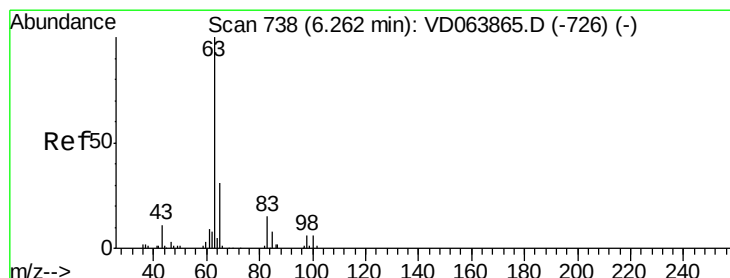
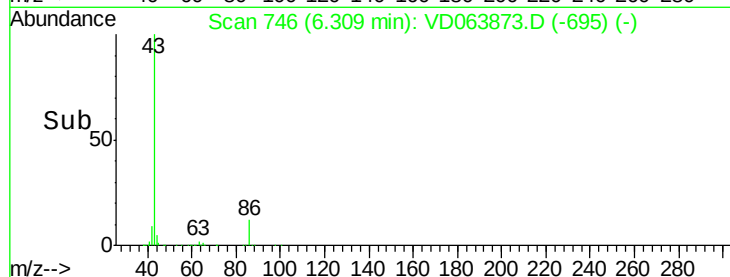
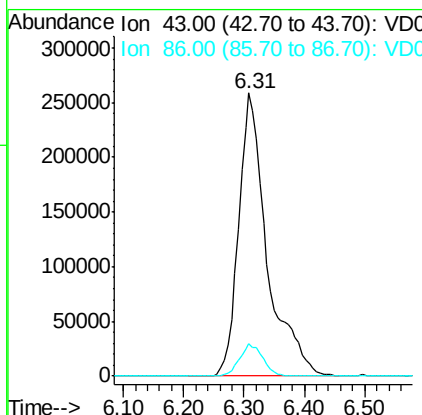
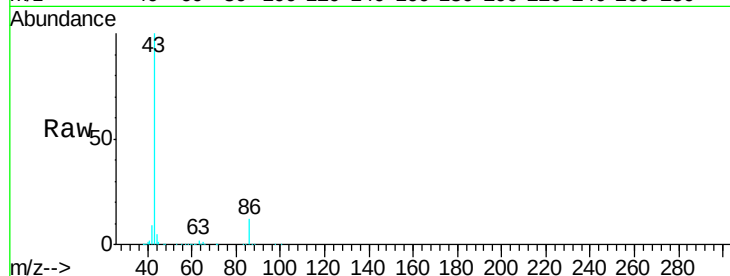




#23
 Vinyl Acetate
 Concen: 260.149 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

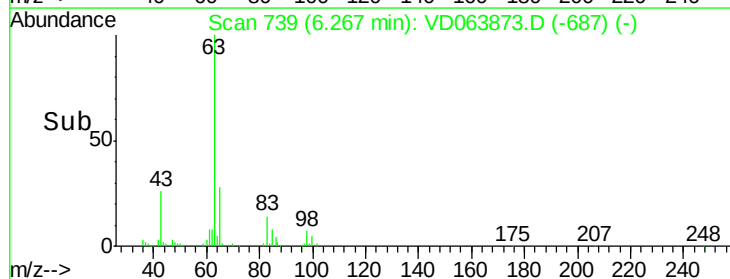
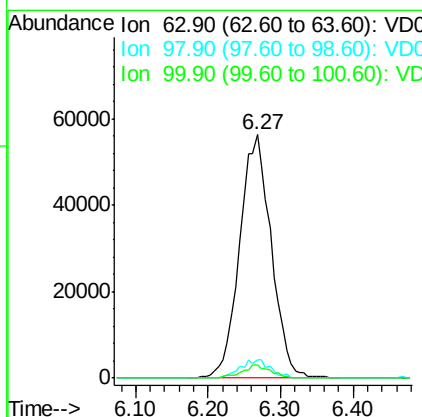
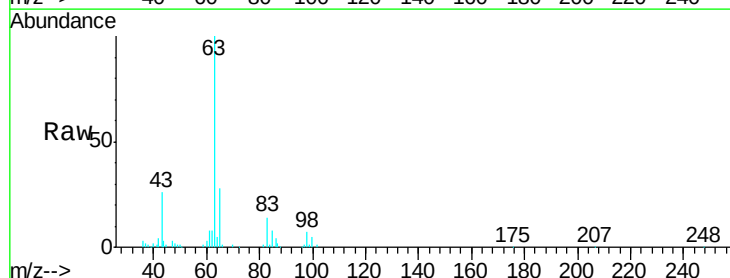
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

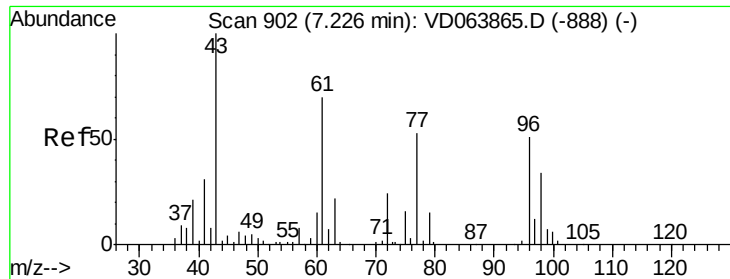
Tgt Ion: 43 Resp: 846859
 Ion Ratio Lower Upper
 43 100
 86 11.7 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 50.507 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 63 Resp: 170238
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.1 9.4
 100 5.2 3.0 9.2





#25

2-Butanone

Concen: 242.753 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

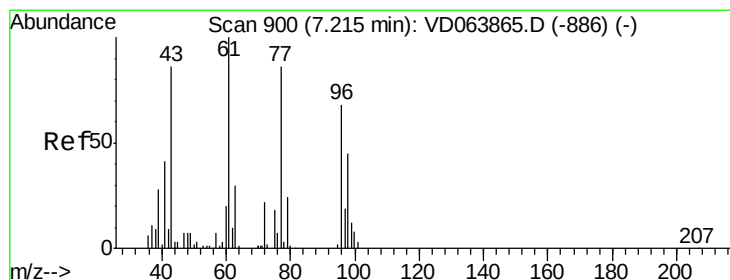
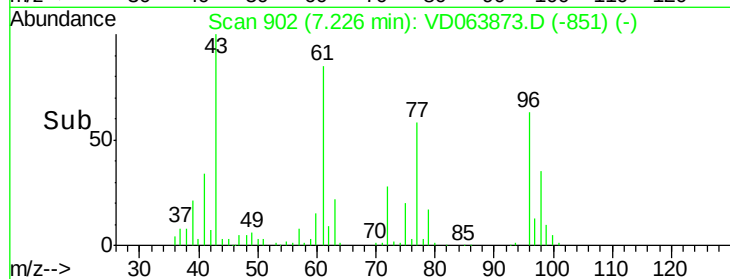
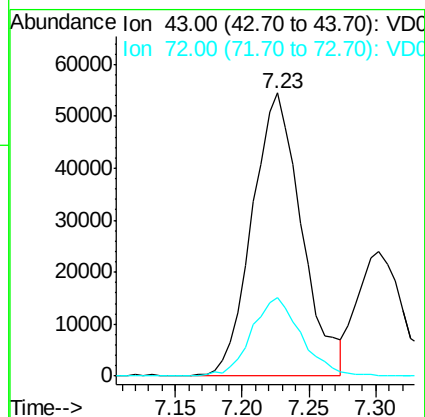
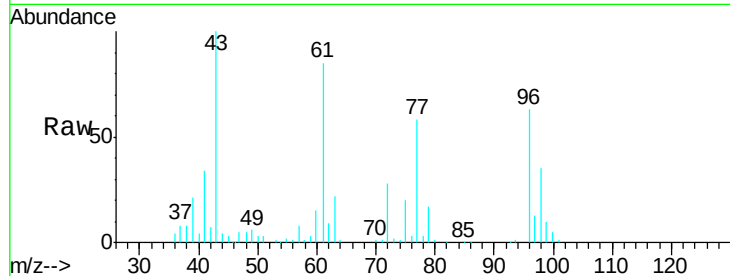
VSTDCCC050EC

Tgt Ion: 43 Resp: 140224

Ion Ratio Lower Upper

43 100

72 27.9 19.2 28.8



#26

2,2-Dichloropropane

Concen: 45.135 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063873.D

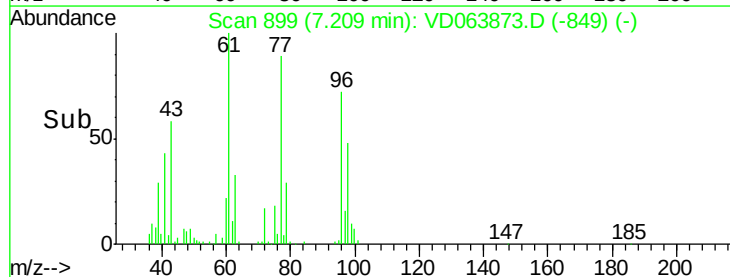
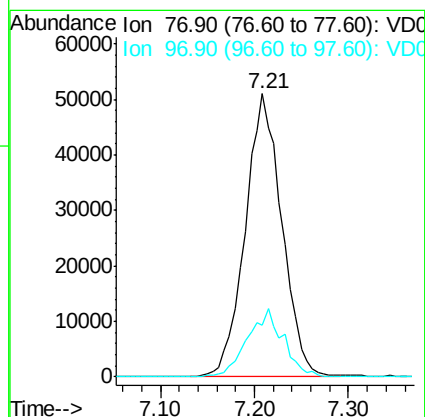
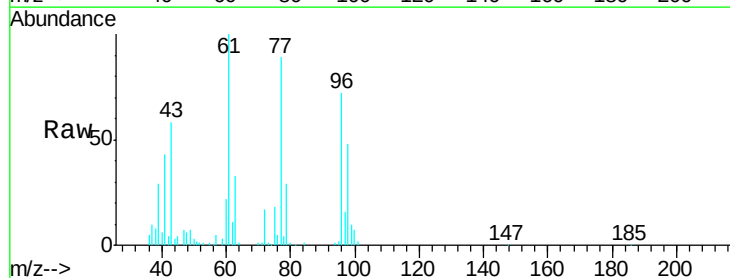
Acq: 02 Oct 2019 21:53

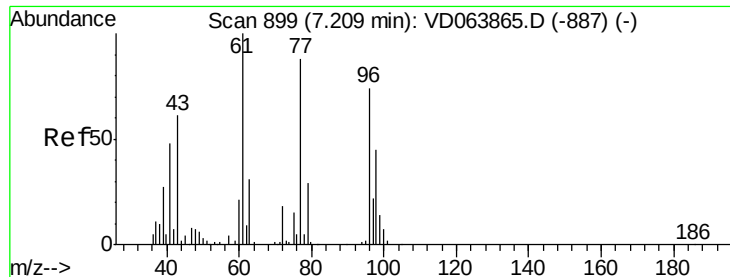
Tgt Ion: 77 Resp: 137619

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.1



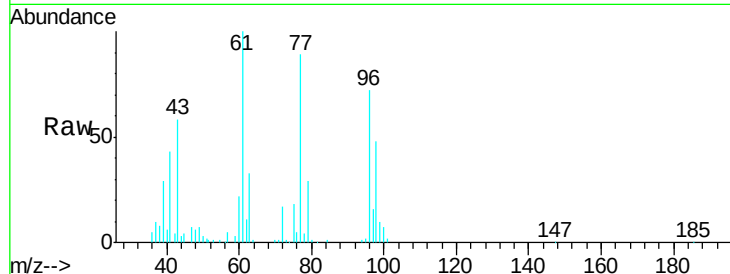


#27

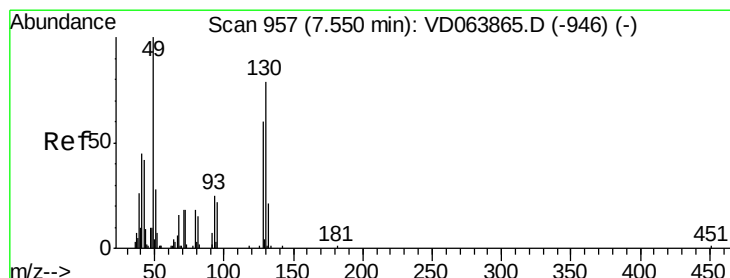
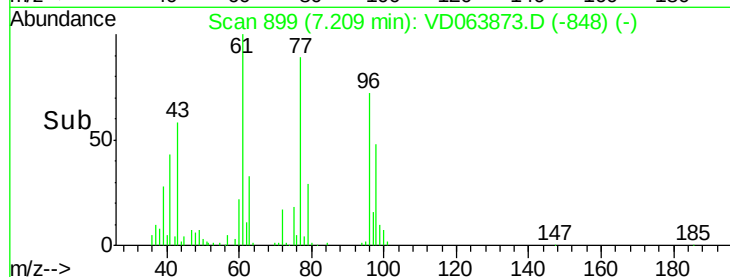
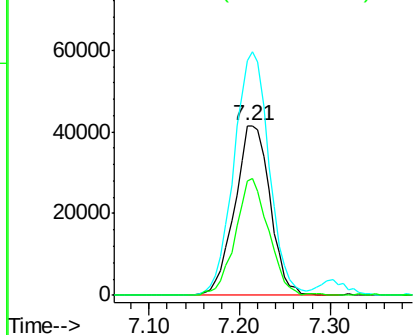
cis-1,2-Dichloroethene
Concen: 49.588 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 112603
Ion Ratio Lower Upper
96 100
61 142.7 0.0 280.0
98 65.0 0.0 130.4



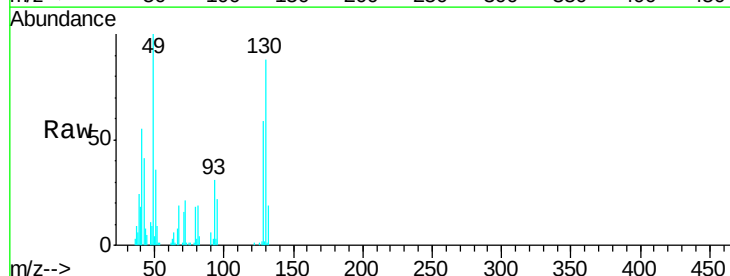
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



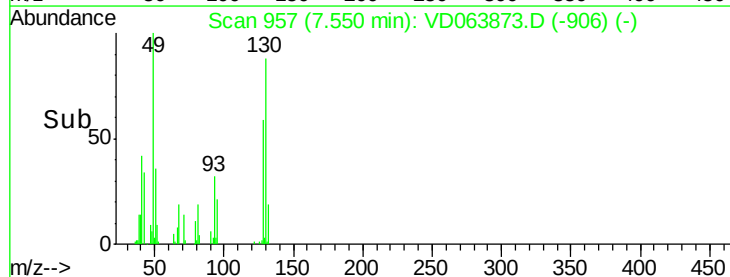
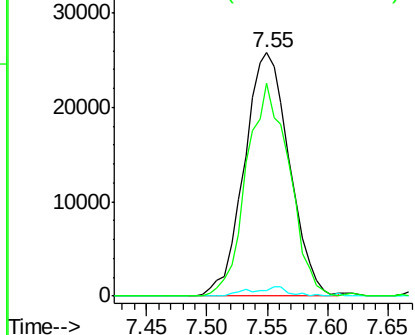
#28

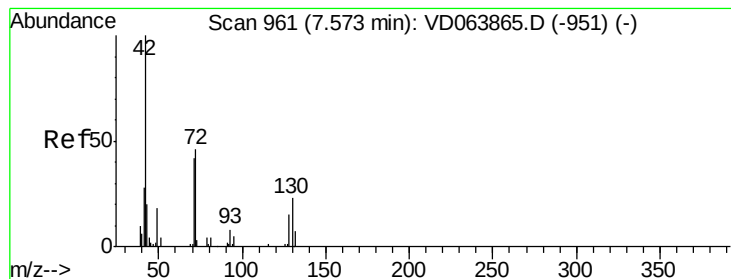
Bromochloromethane
Concen: 52.097 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 49 Resp: 66864
Ion Ratio Lower Upper
49 100
129 2.1 0.0 5.6
130 82.6 66.8 100.2



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





#29

Tetrahydrofuran

Concen: 245.748 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

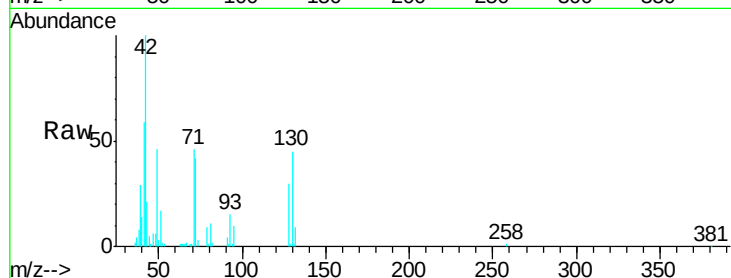
Tgt Ion: 42 Resp: 82856

Ion Ratio Lower Upper

42 100

72 46.6 37.6 56.4

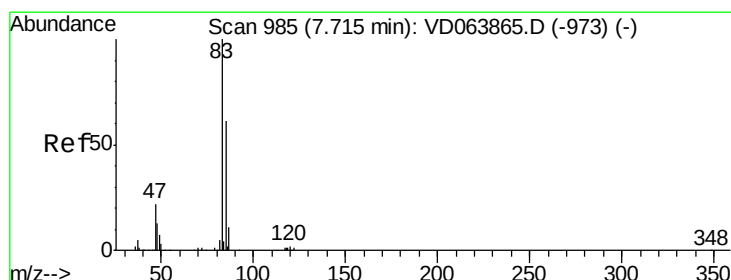
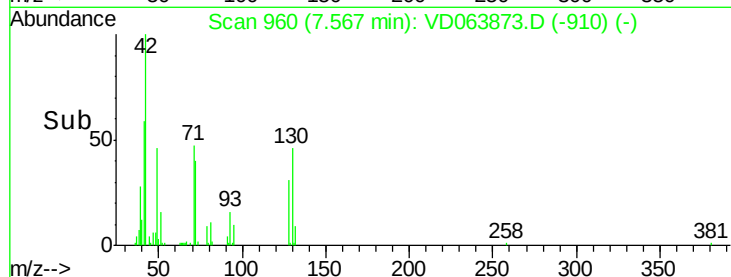
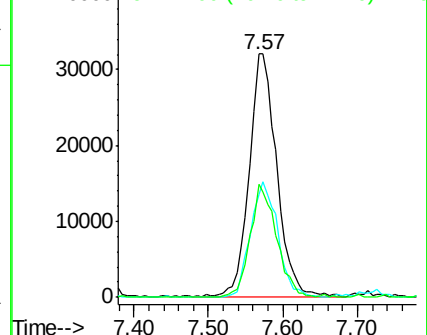
71 44.0 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.836 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD063873.D

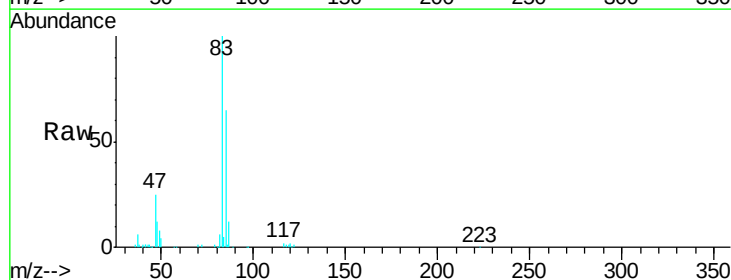
Acq: 02 Oct 2019 21:53

Tgt Ion: 83 Resp: 182445

Ion Ratio Lower Upper

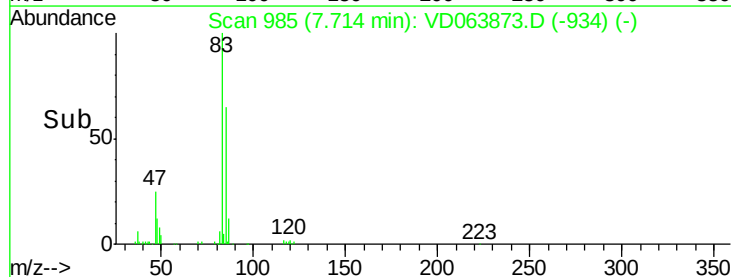
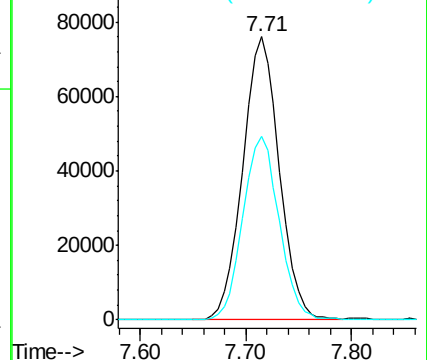
83 100

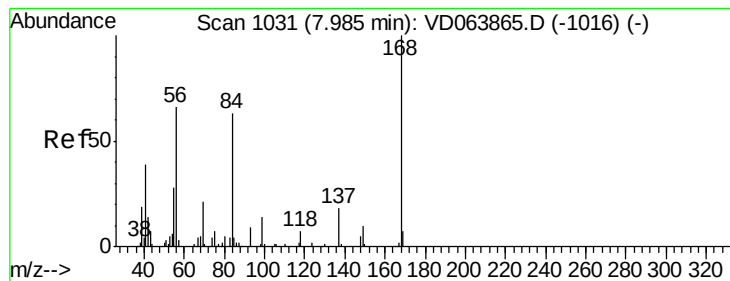
85 64.9 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 51.582 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

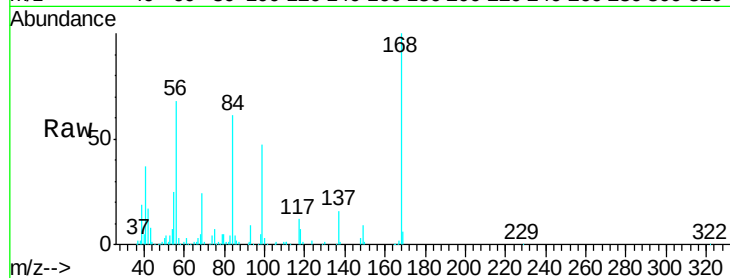
Tgt Ion: 56 Resp: 143394

Ion Ratio Lower Upper

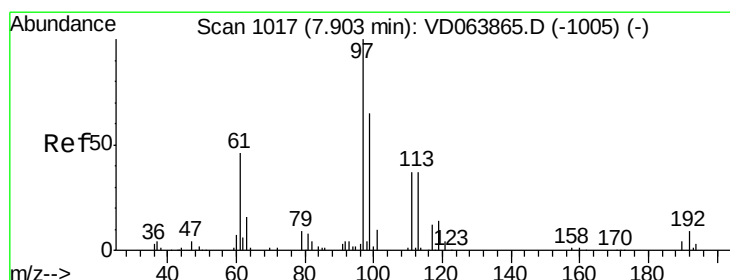
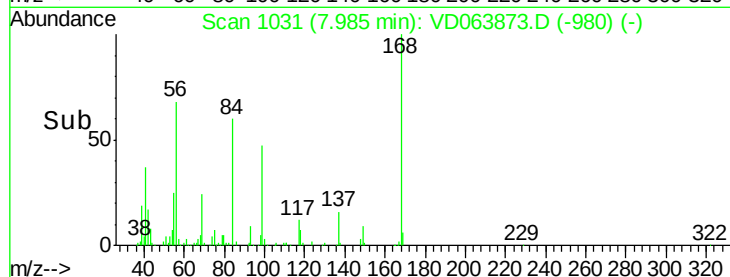
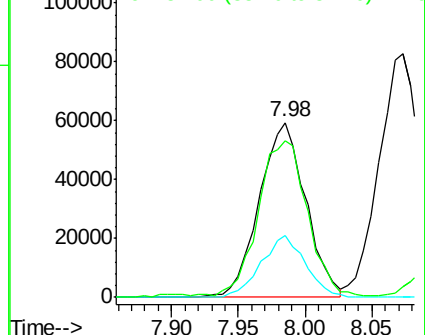
56 100

69 35.2 25.0 37.4

84 88.4 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: 50.205 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

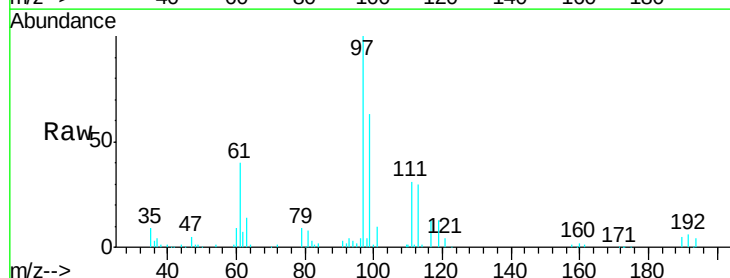
Tgt Ion: 97 Resp: 157661

Ion Ratio Lower Upper

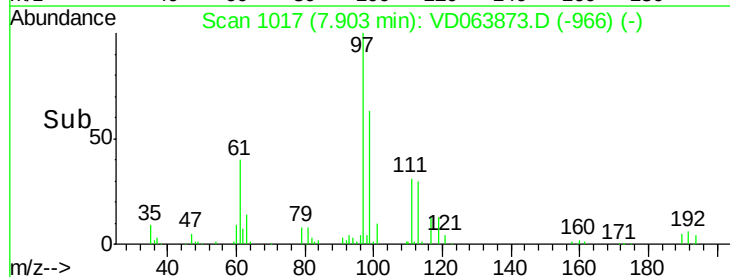
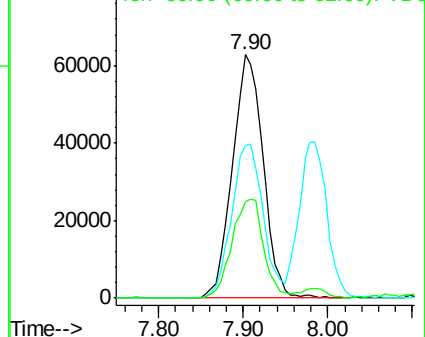
97 100

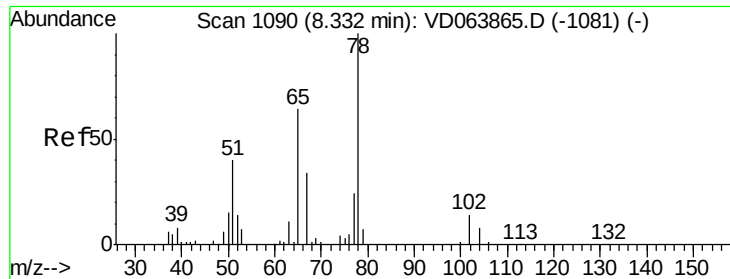
99 65.0 52.4 78.6

61 41.6 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

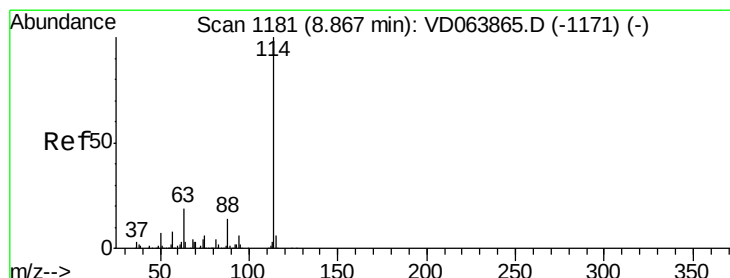
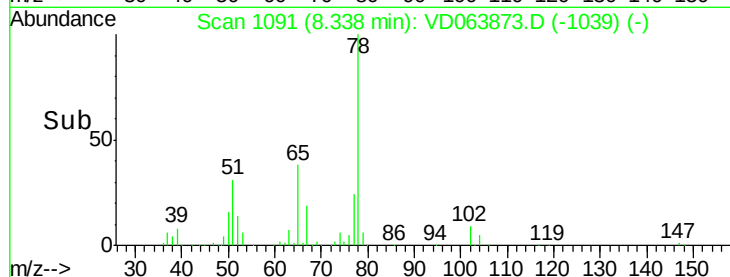
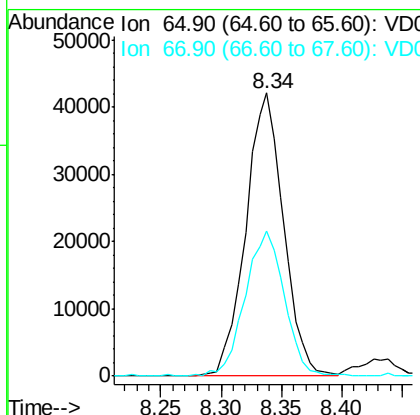
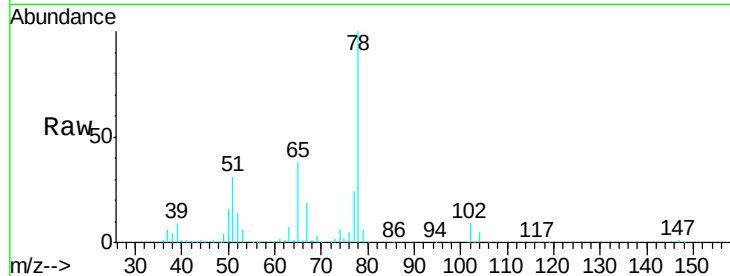




#33
 1,2-Dichloroethane-d4
 Concen: 48.823 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

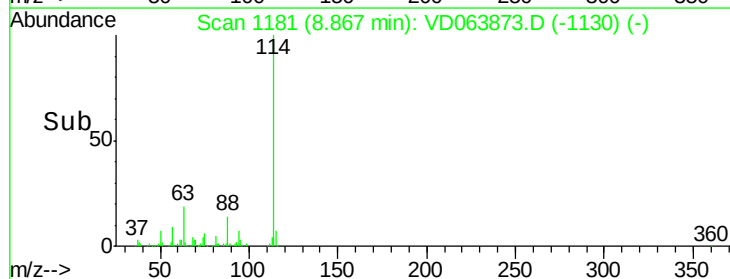
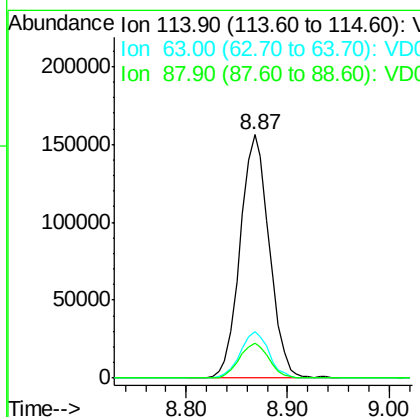
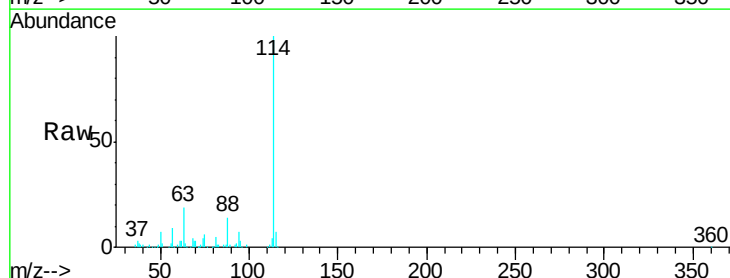
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

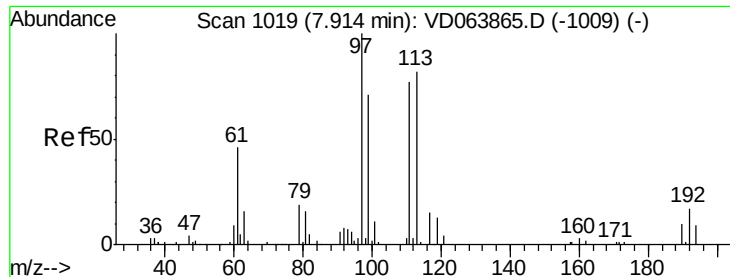
Tgt Ion: 65 Resp: 91403
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 114 Resp: 311482
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 14.3 0.0 27.4

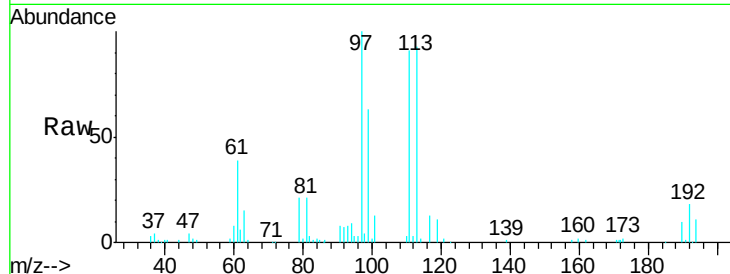




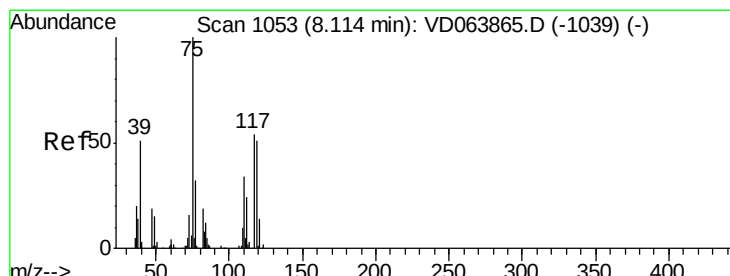
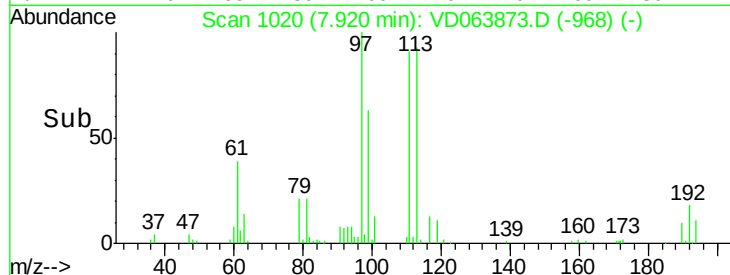
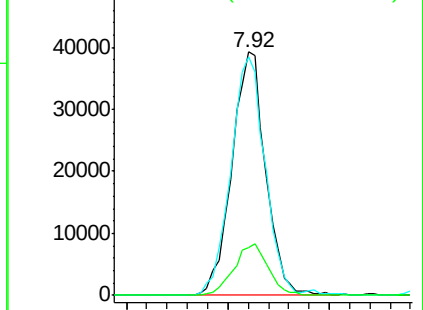
#35
 Dibromofluoromethane
 Concen: 47.360 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:113 Resp: 90153
 Ion Ratio Lower Upper
 113 100
 111 99.6 82.6 123.8
 192 21.4 17.1 25.7

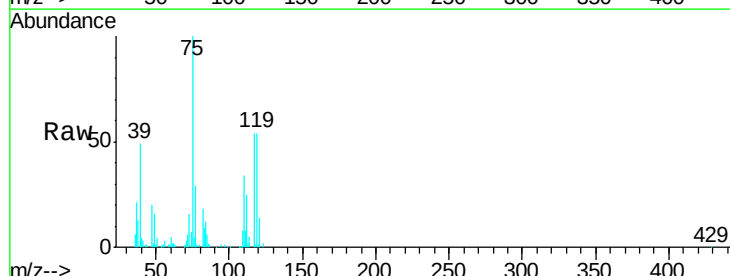


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

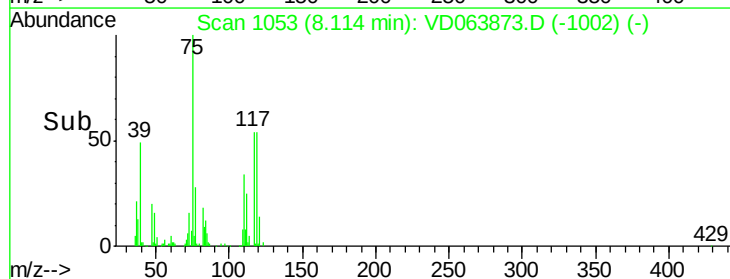
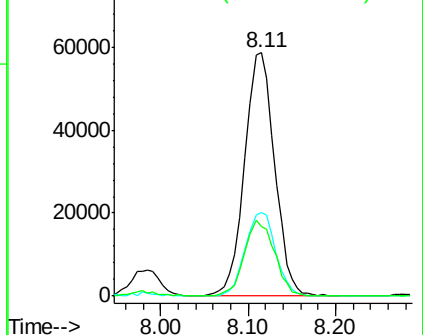


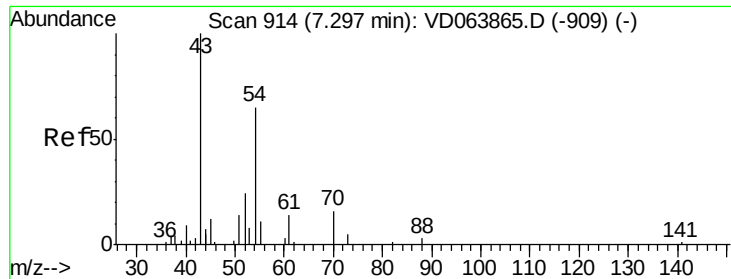
#36
 1,1-Dichloropropene
 Concen: 48.134 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 75 Resp: 137083
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.4 52.3
 77 31.1 25.4 38.0



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

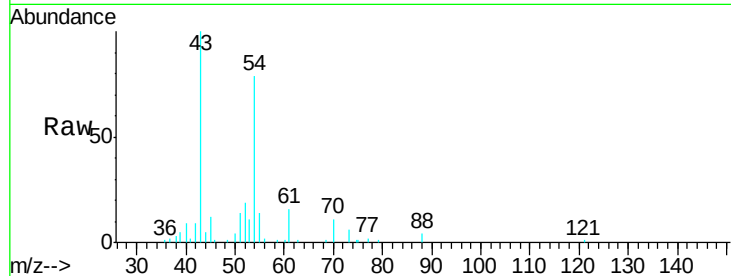




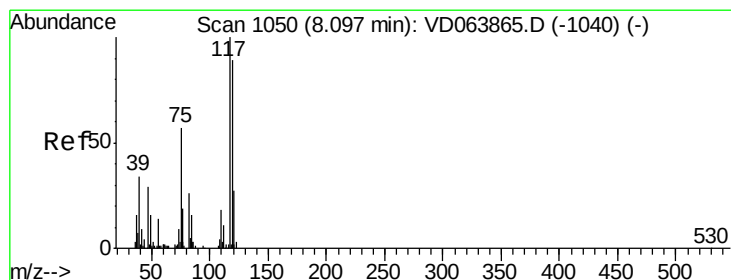
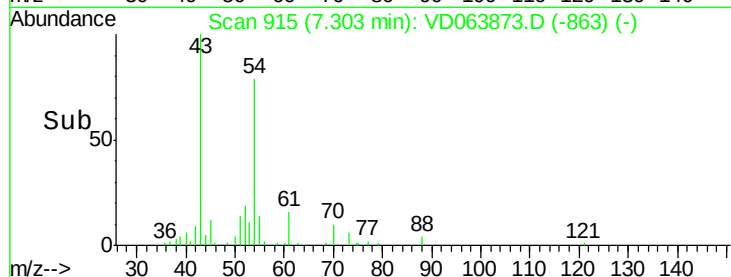
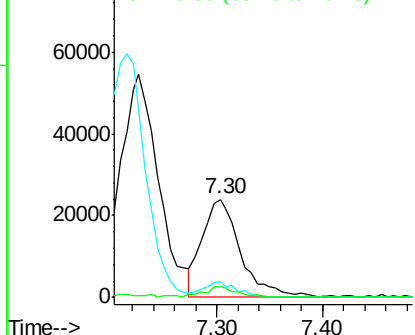
#37
Ethyl Acetate
Concen: 52.462 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 59687
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 9.5 8.2 12.4

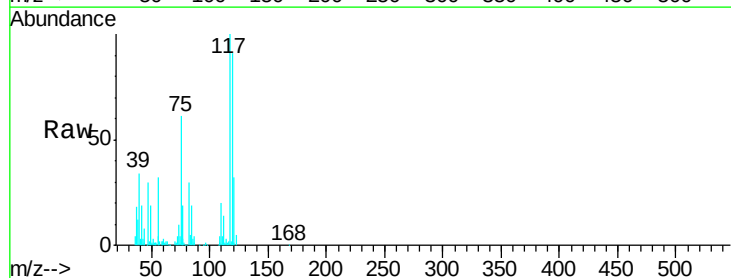


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

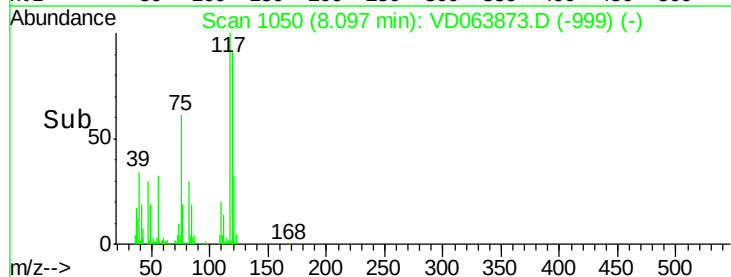
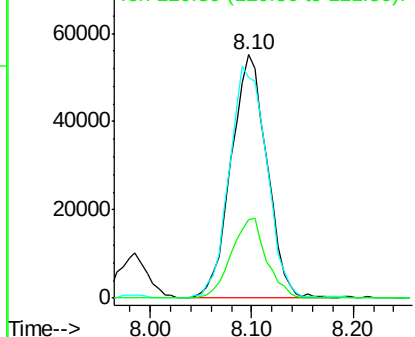


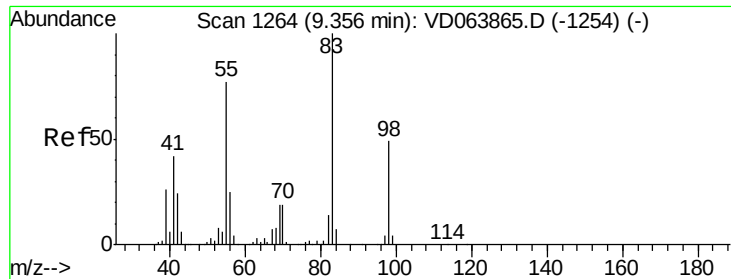
#38
Carbon Tetrachloride
Concen: 47.073 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 117 Resp: 135476
Ion Ratio Lower Upper
117 100
119 90.7 70.8 106.2
121 32.2 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

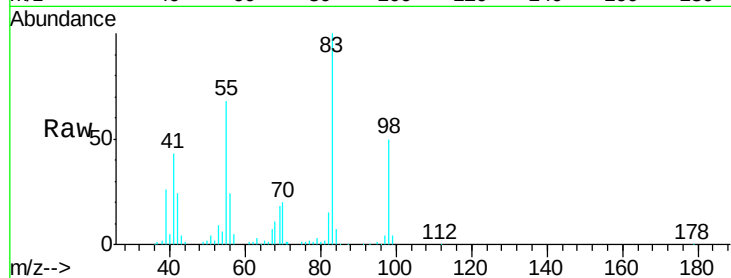




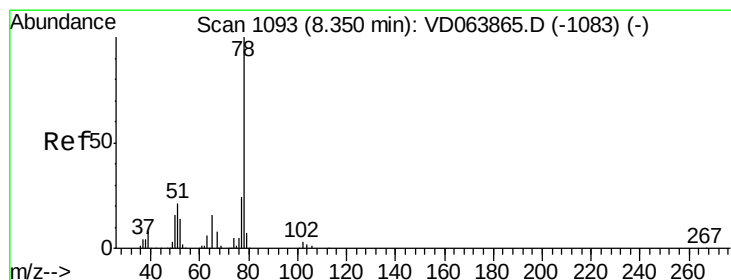
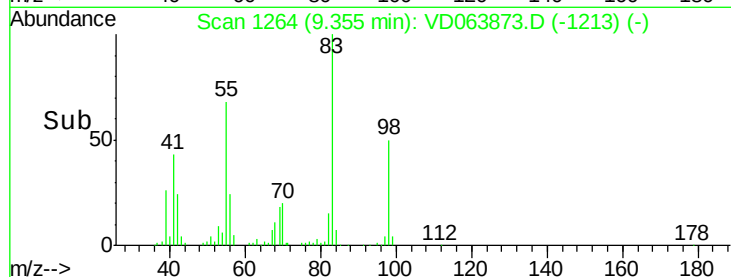
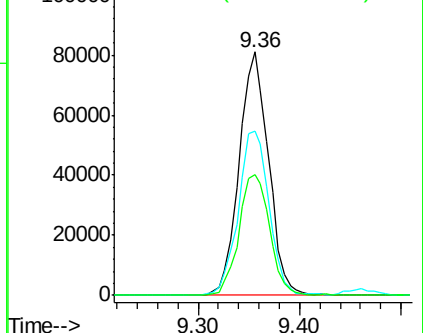
#39
Methylcyclohexane
Concen: 46.503 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 162840
Ion Ratio Lower Upper
83 100
55 67.4 61.3 91.9
98 49.6 39.3 58.9

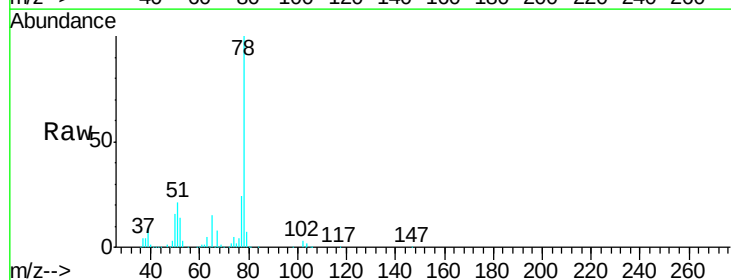


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

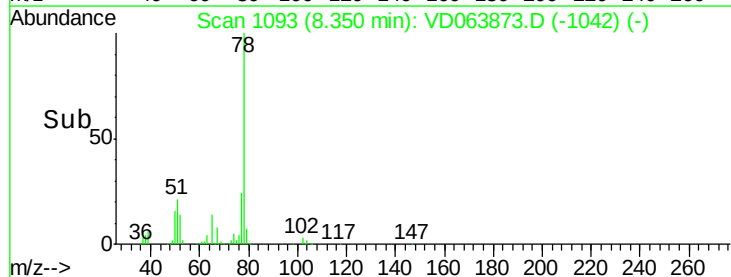
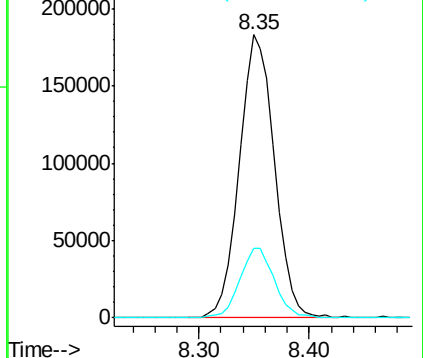


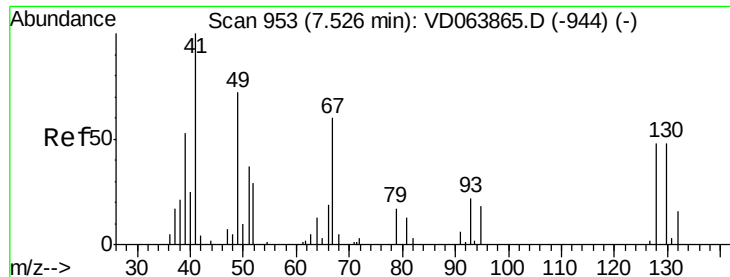
#40
Benzene
Concen: 49.997 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 78 Resp: 408047
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6



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

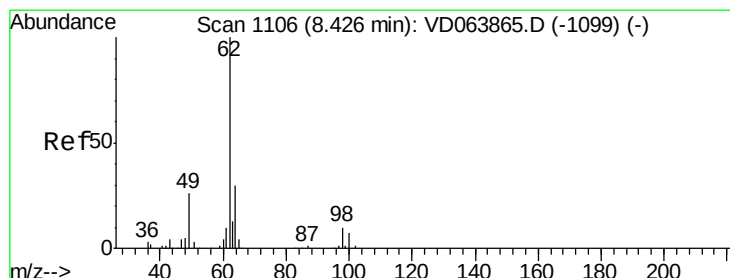
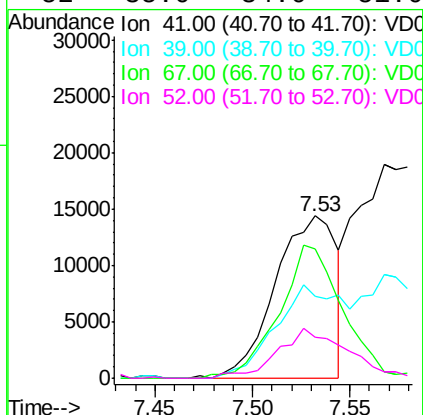
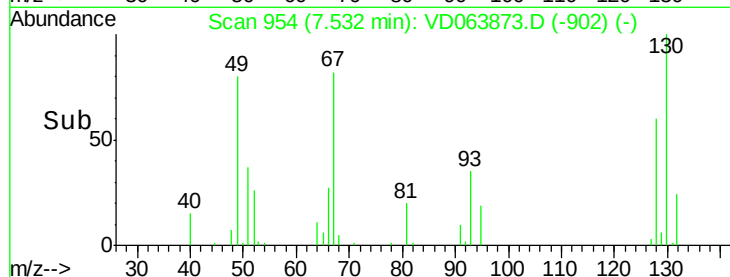
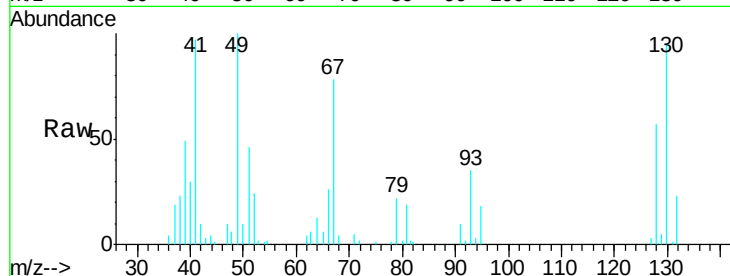




#41
Methacrylonitrile
Concen: 47.588 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

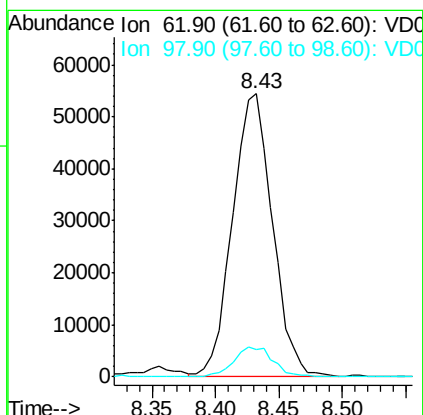
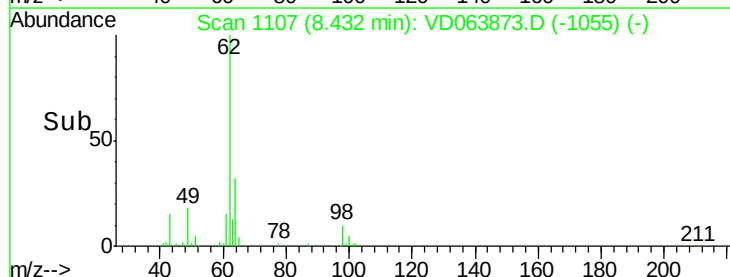
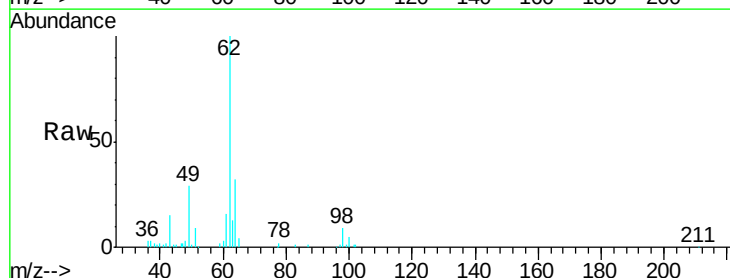
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

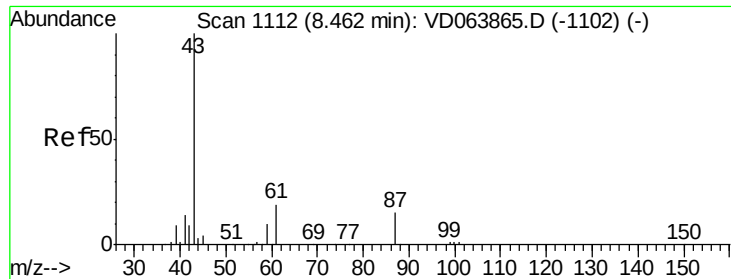
Tgt Ion: 41 Resp: 31422
Ion Ratio Lower Upper
41 100
39 63.1 52.6 78.8
67 85.0 74.2 111.2
52 35.0 34.0 51.0



#42
1,2-Dichloroethane
Concen: 50.472 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 62 Resp: 119156
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 50.068 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

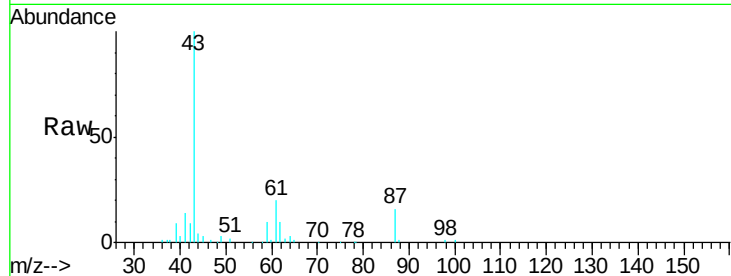
Tgt Ion: 43 Resp: 119583

Ion Ratio Lower Upper

43 100

61 31.0 25.7 38.5

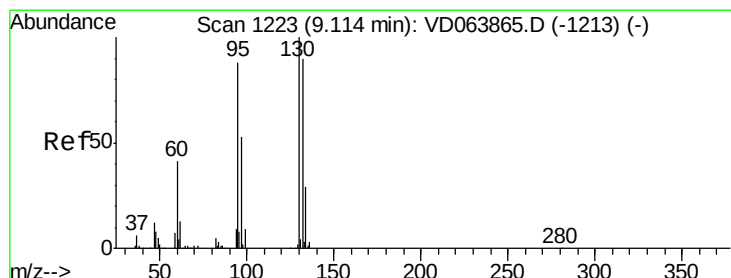
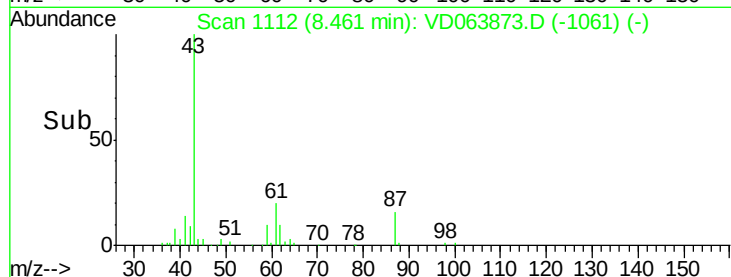
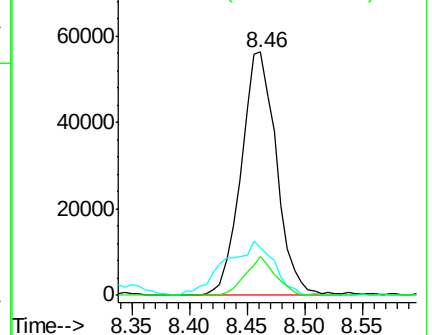
87 13.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.004 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063873.D

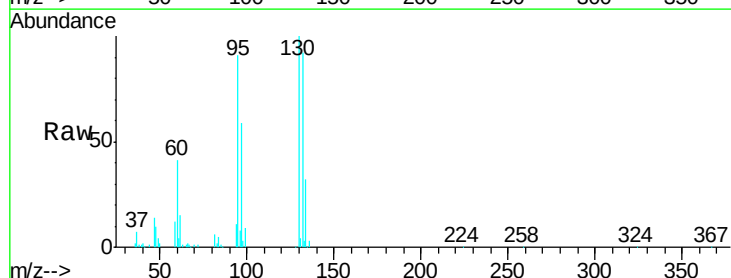
Acq: 02 Oct 2019 21:53

Tgt Ion: 130 Resp: 112975

Ion Ratio Lower Upper

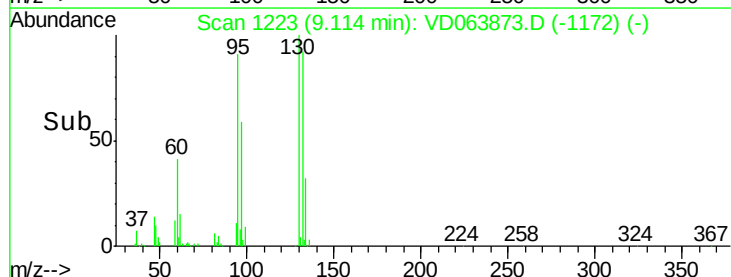
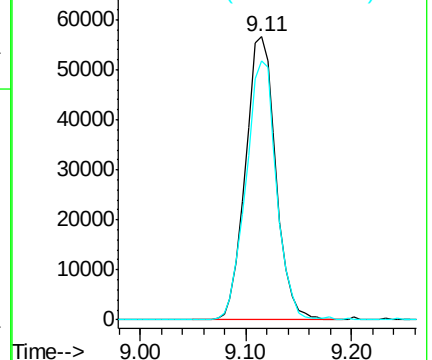
130 100

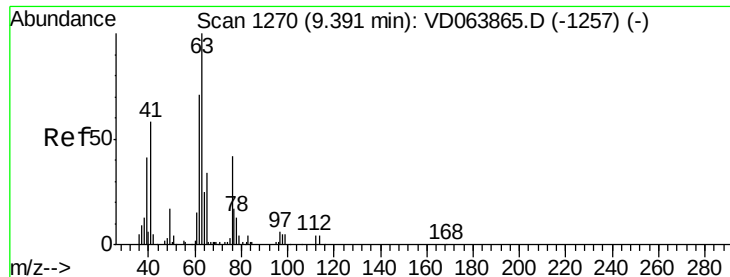
95 91.4 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

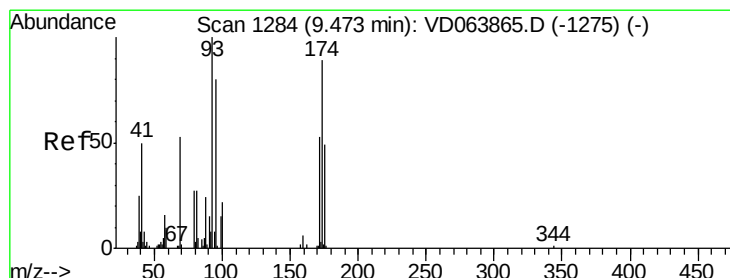
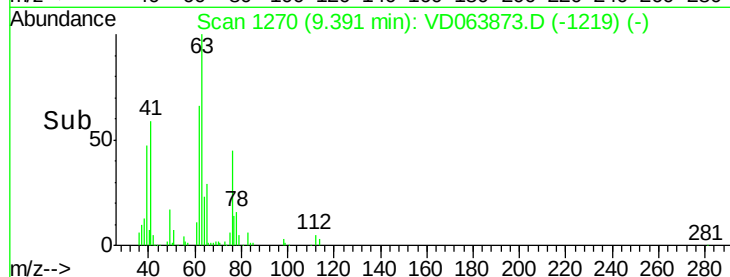
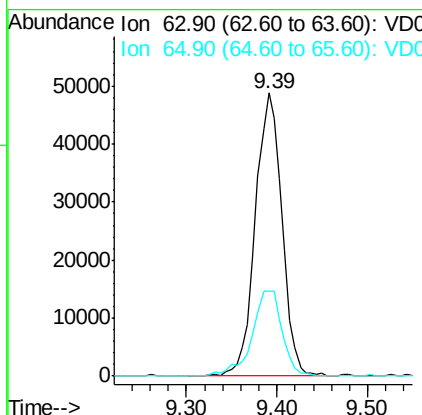
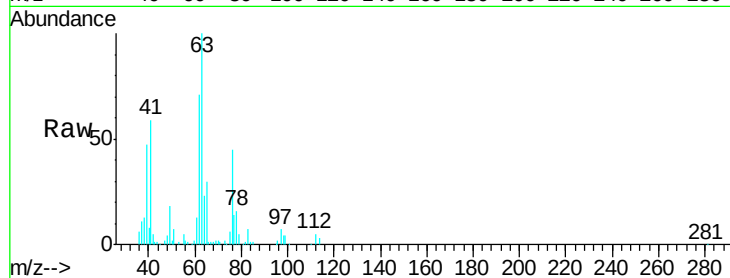




#45
 1,2-Dichloropropane
 Concen: 50.054 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

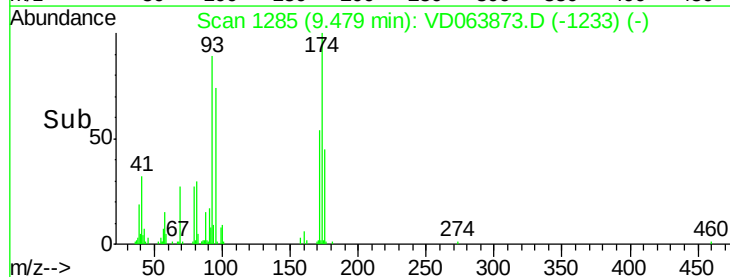
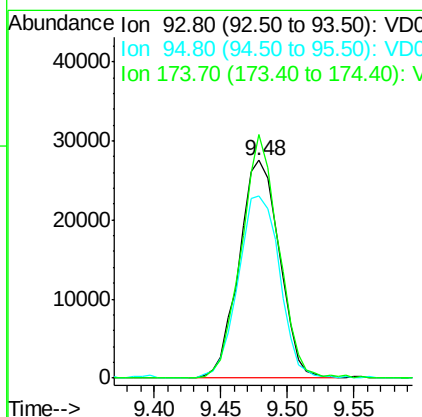
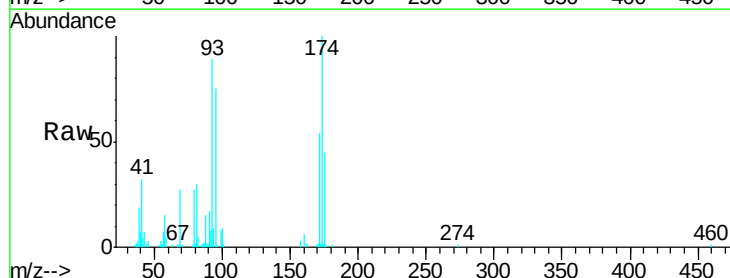
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

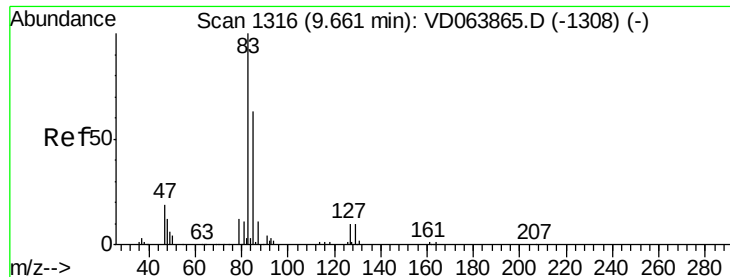
Tgt Ion: 63 Resp: 99989
 Ion Ratio Lower Upper
 63 100
 65 30.1 27.3 40.9



#46
 Dibromomethane
 Concen: 50.799 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 93 Resp: 57792
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.0 99.0
 174 103.0 83.4 125.0





#47

Bromodichloromethane

Concen: 49.220 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

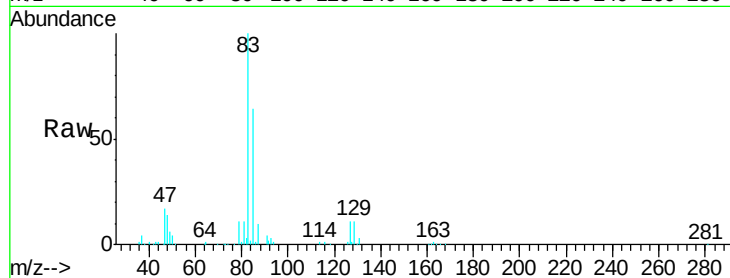
Tgt Ion: 83 Resp: 144170

Ion Ratio Lower Upper

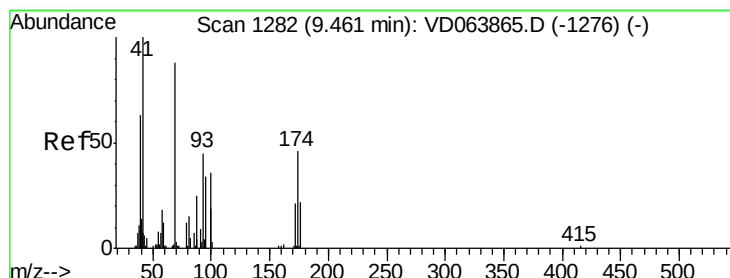
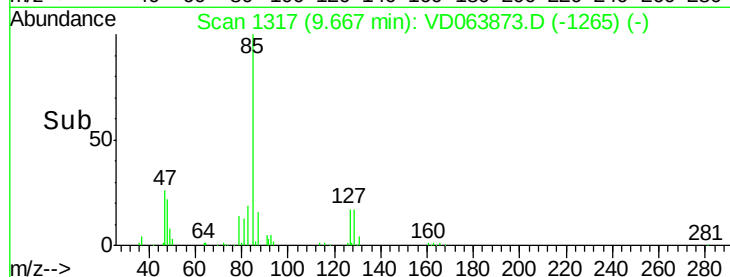
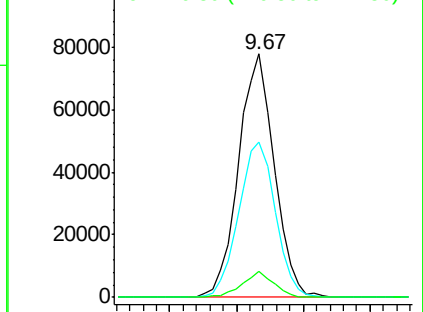
83 100

85 63.6 50.2 75.2

127 10.6 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: 48.629 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

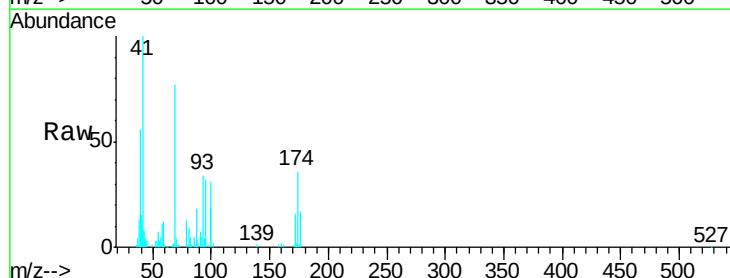
Tgt Ion: 41 Resp: 55649

Ion Ratio Lower Upper

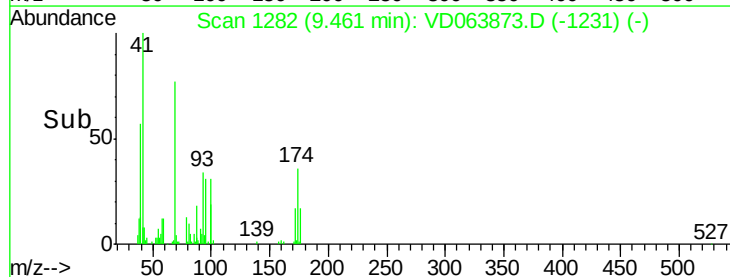
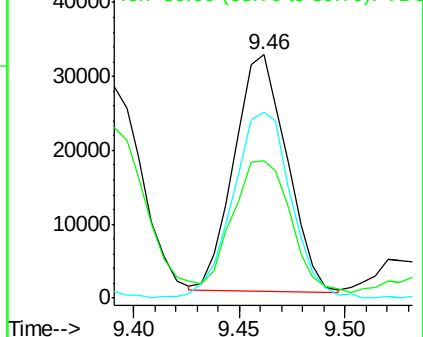
41 100

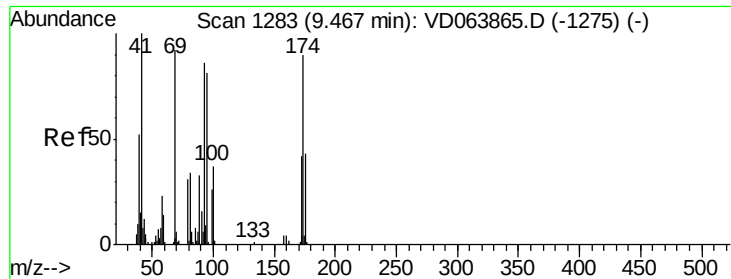
69 86.5 75.1 112.7

39 66.5 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

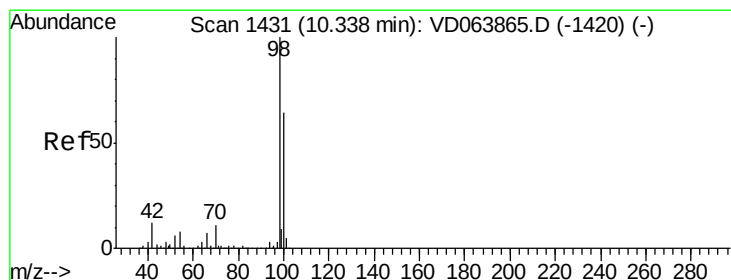
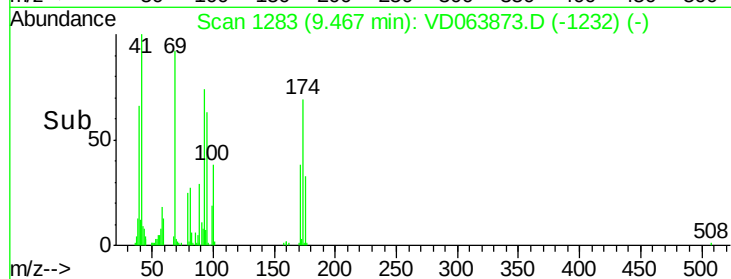
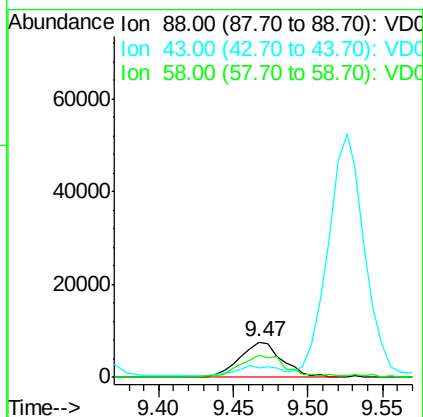
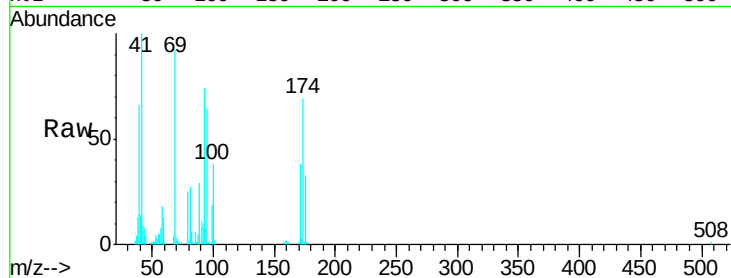




#49
1,4-Dioxane
Concen: 955.879 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

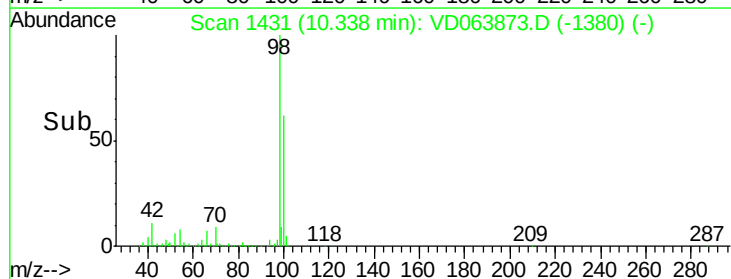
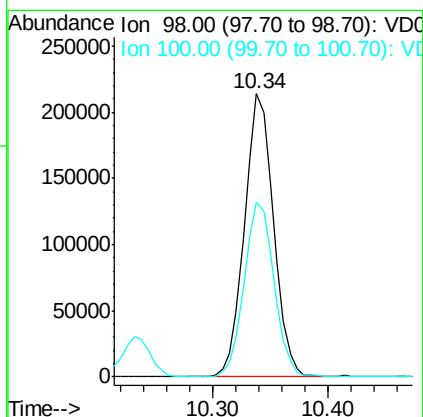
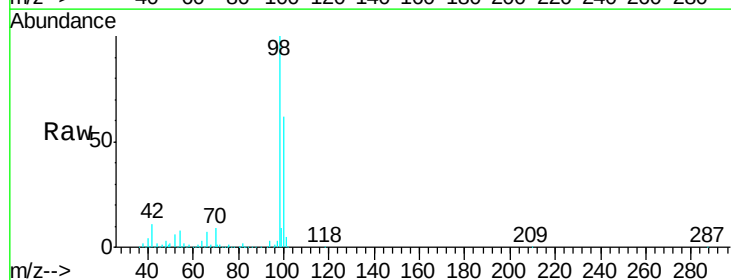
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

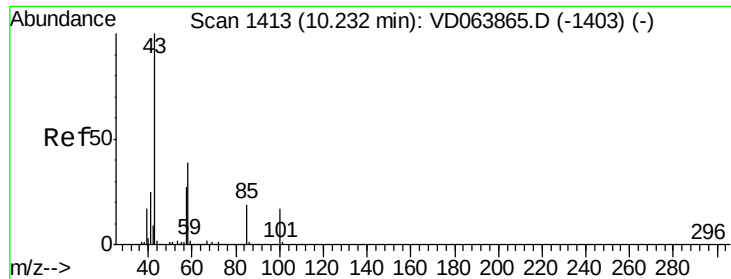
Tgt Ion: 88 Resp: 14844
Ion Ratio Lower Upper
88 100
43 27.6 27.6 41.4
58 70.8 54.1 81.1



#50
Toluene-d8
Concen: 48.610 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 98 Resp: 375576
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1

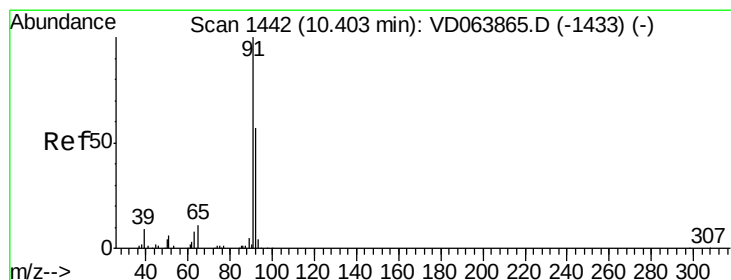
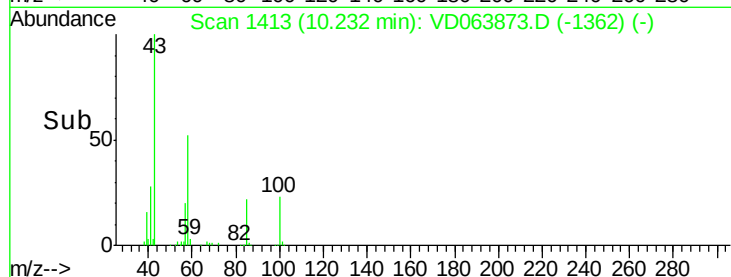
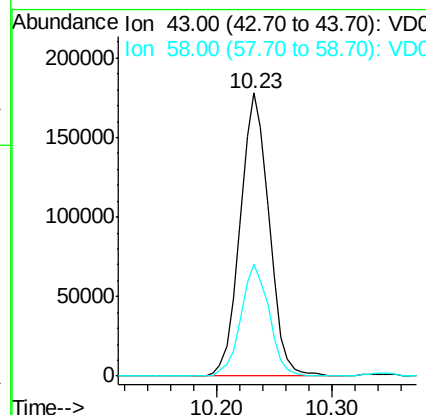
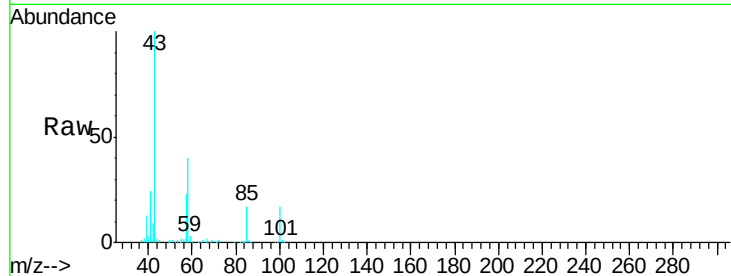




#51
 4-Methyl-2-Pentanone
 Concen: 248.933 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

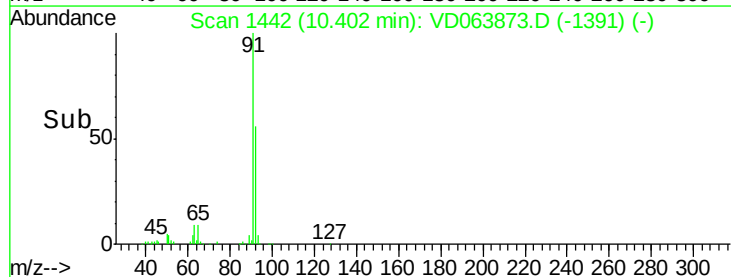
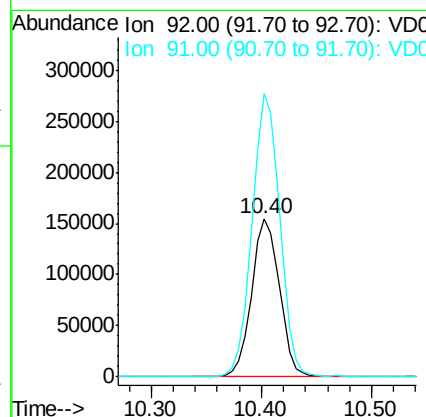
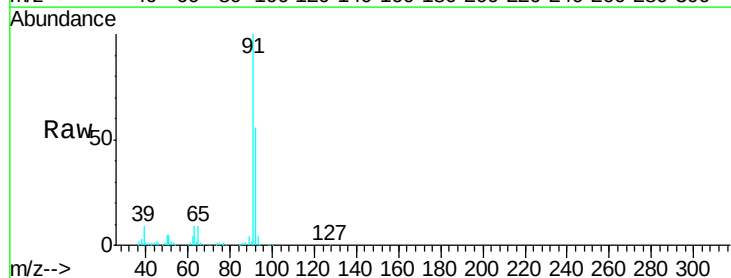
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

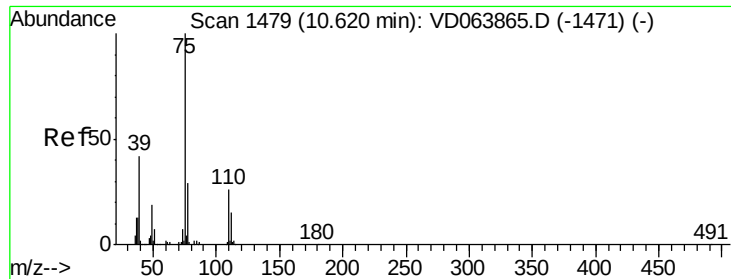
Tgt Ion: 43 Resp: 308347
 Ion Ratio Lower Upper
 43 100
 58 38.9 33.0 49.4



#52
 Toluene
 Concen: 48.986 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 92 Resp: 274448
 Ion Ratio Lower Upper
 92 100
 91 178.6 139.5 209.3

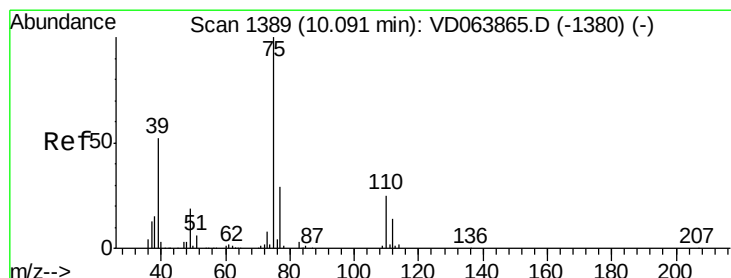
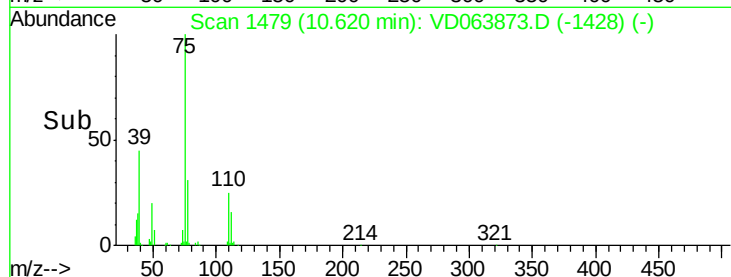
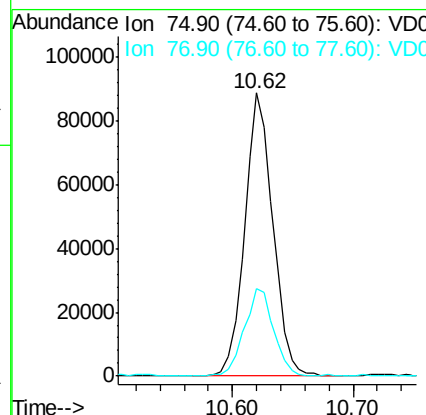
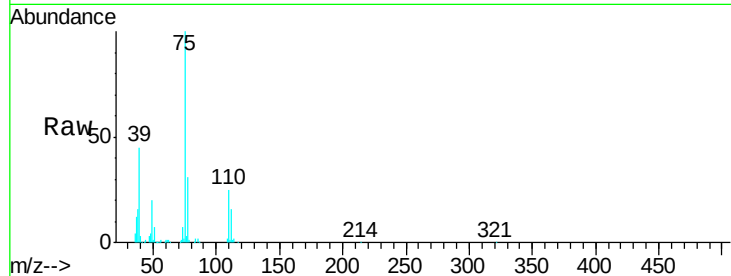




#53
 t-1,3-Dichloropropene
 Concen: 50.453 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

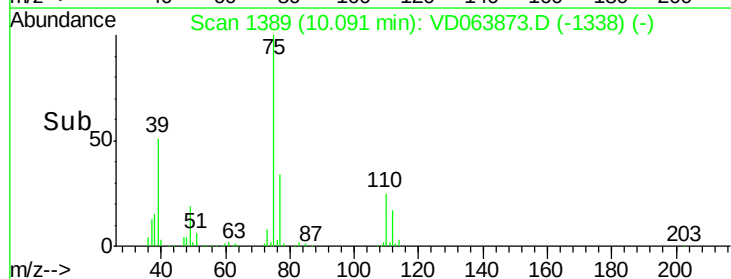
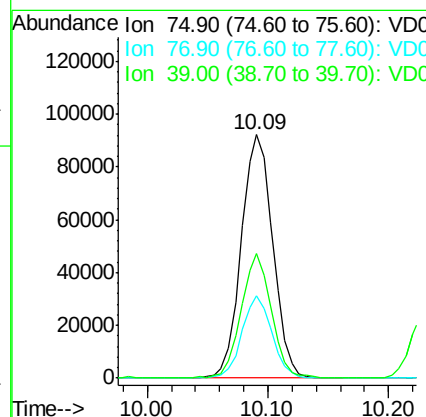
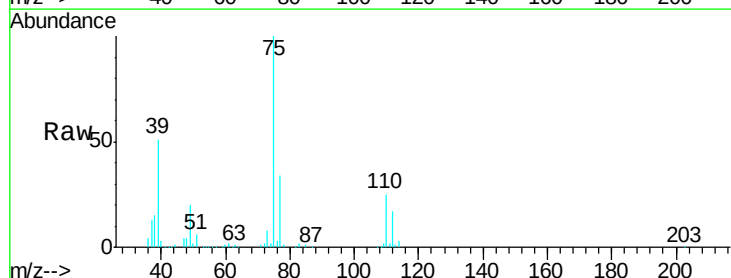
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

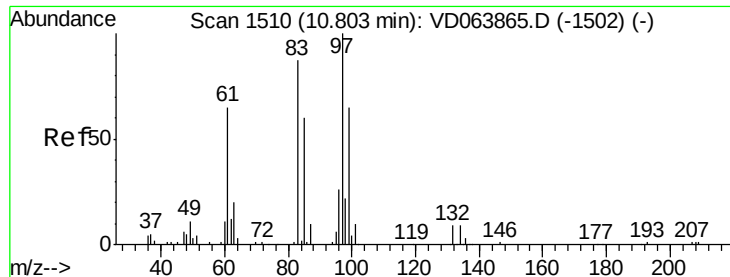
Tgt Ion: 75 Resp: 144206
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.8 34.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.056 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 75 Resp: 167983
 Ion Ratio Lower Upper
 75 100
 77 33.8 23.2 34.8
 39 51.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 50.221 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 80672

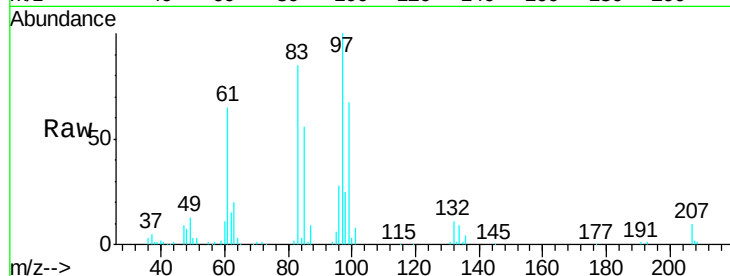
Ion Ratio Lower Upper

97 100

83 85.4 69.7 104.5

85 56.0 48.1 72.1

99 66.8 51.9 77.9

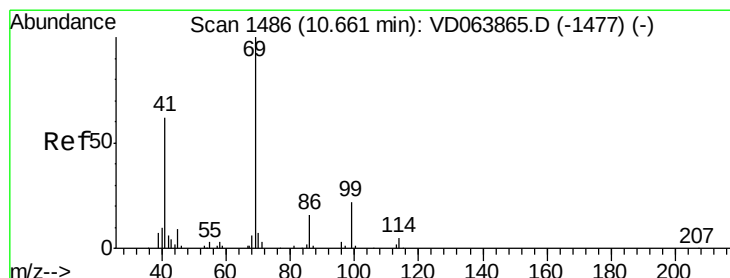
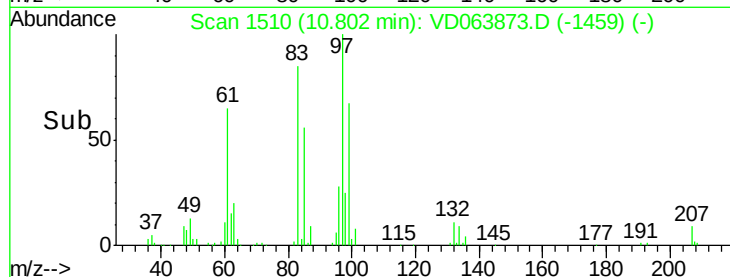
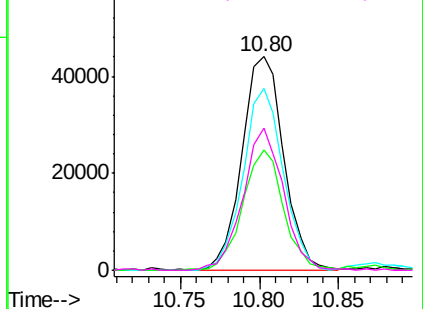


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 50.725 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

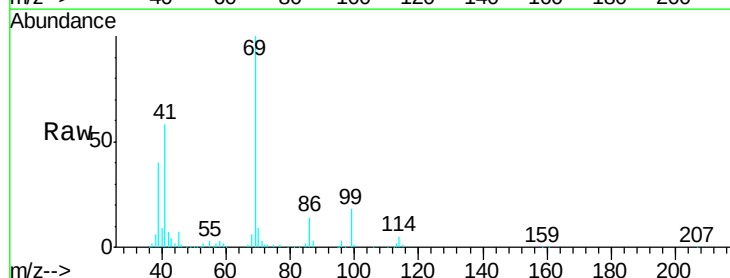
Tgt Ion: 69 Resp: 103185

Ion Ratio Lower Upper

69 100

41 63.0 51.3 76.9

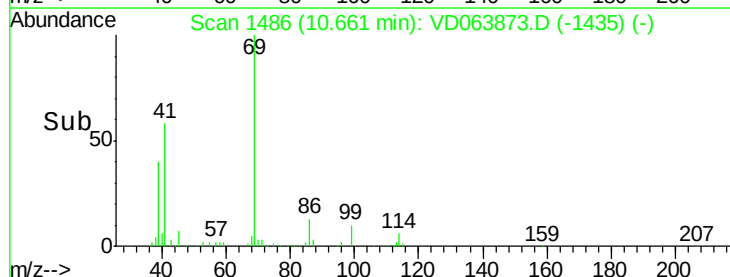
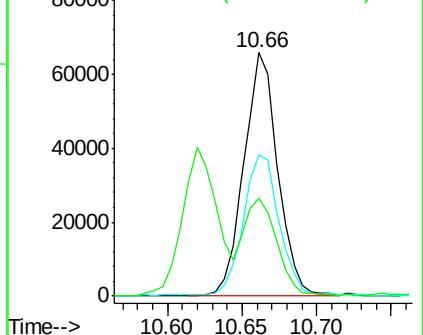
39 39.9 28.0 42.0

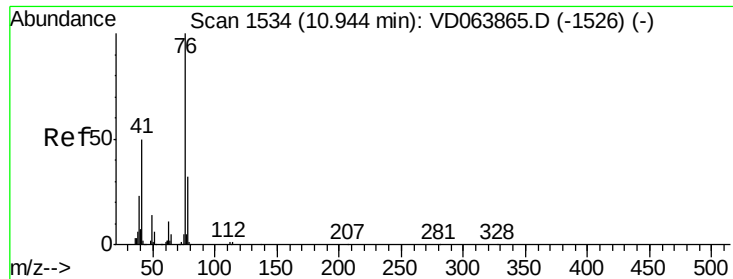


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

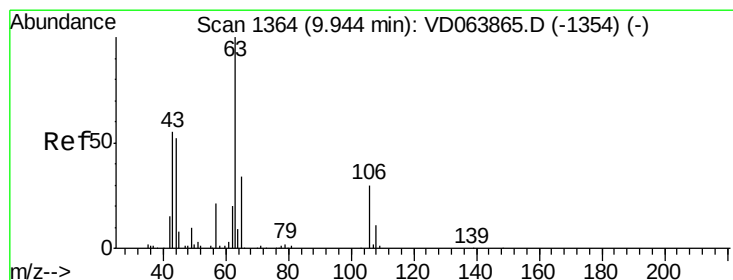
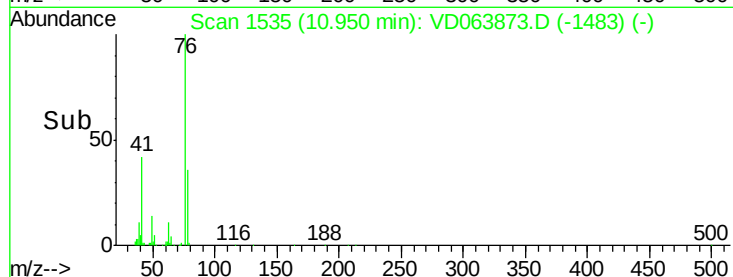
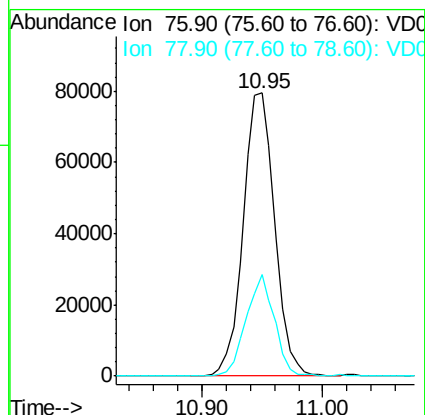
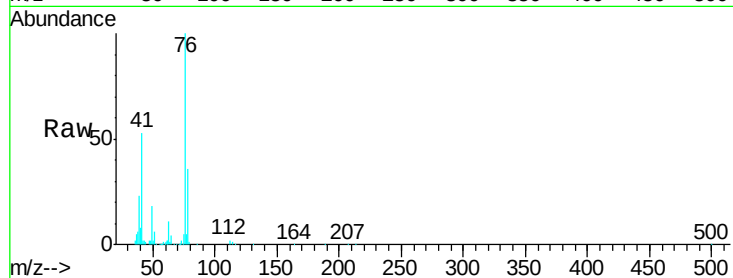




#57
 1,3-Dichloropropane
 Concen: 52.624 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

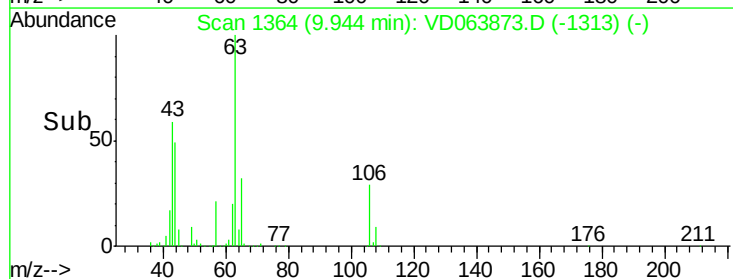
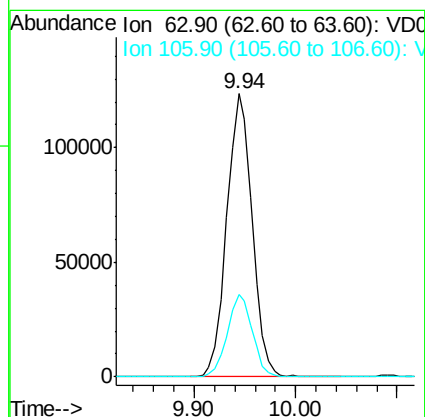
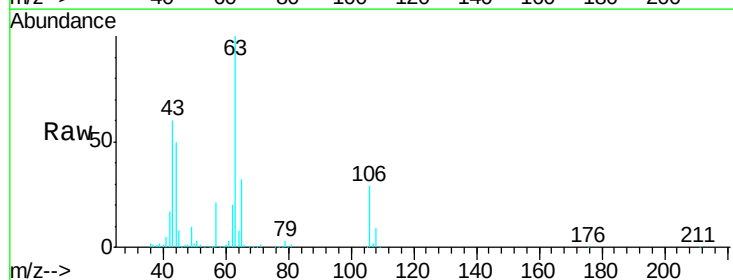
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

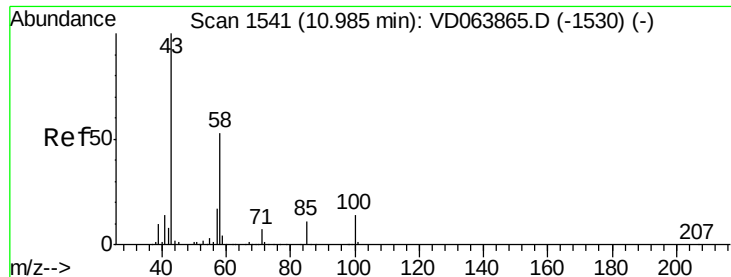
Tgt Ion: 76 Resp: 144630
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.433 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 63 Resp: 214601
 Ion Ratio Lower Upper
 63 100
 106 28.7 24.3 36.5

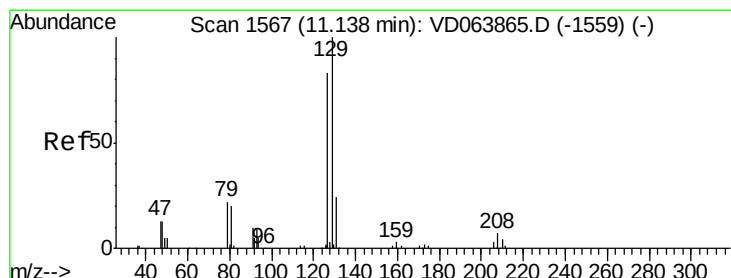
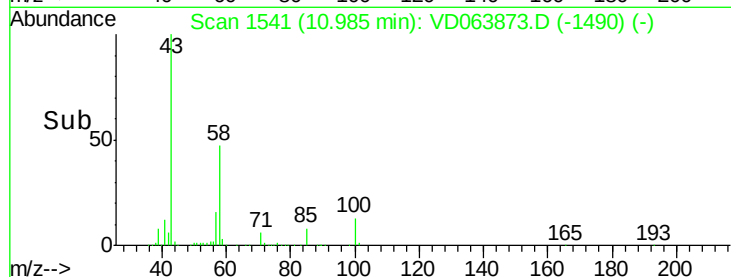
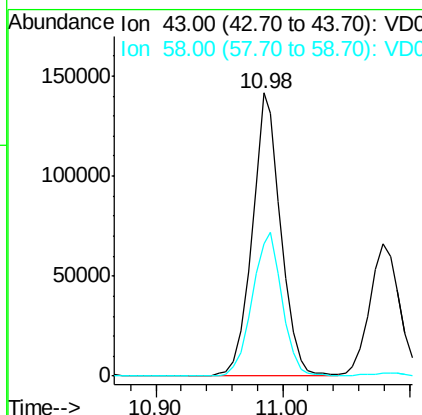
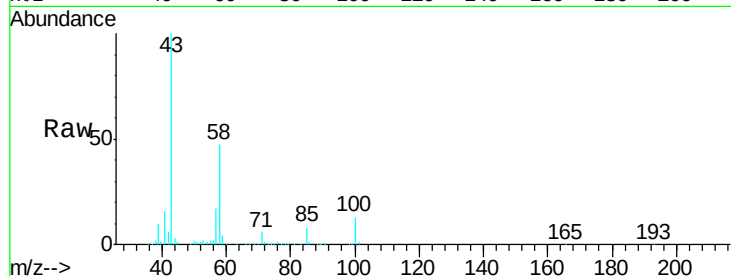




#59
2-Hexanone
Concen: 247.368 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

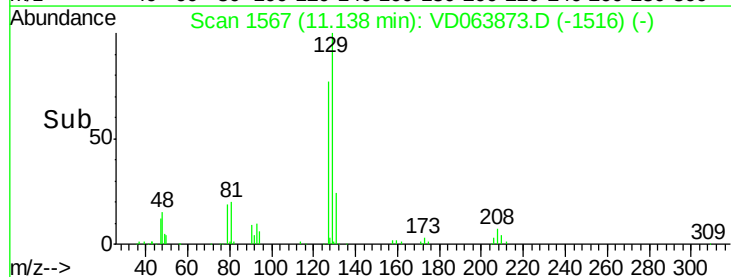
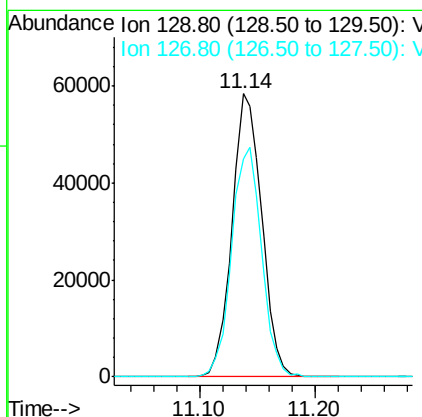
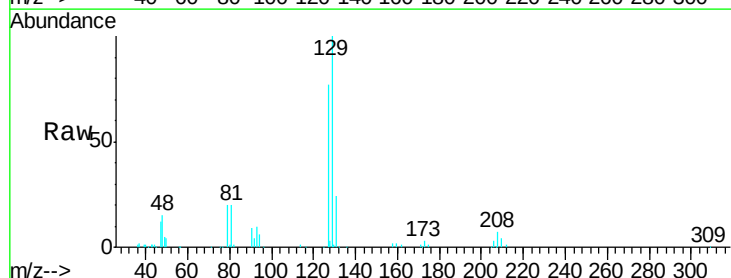
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

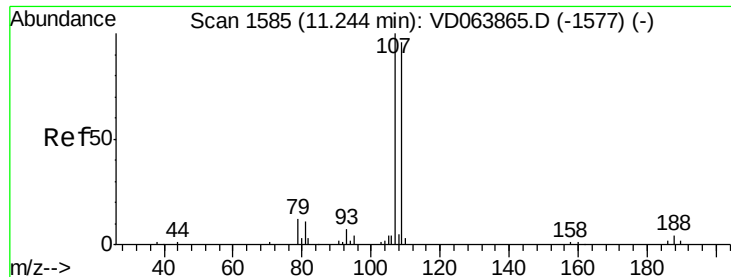
Tgt Ion: 43 Resp: 221647
Ion Ratio Lower Upper
43 100
58 53.0 27.7 83.0



#60
Dibromochloromethane
Concen: 49.735 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 129 Resp: 104011
Ion Ratio Lower Upper
129 100
127 81.9 39.9 119.6

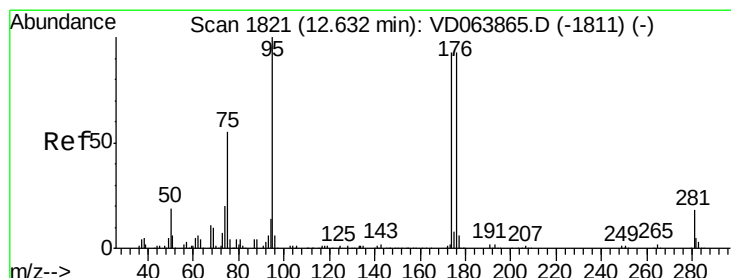
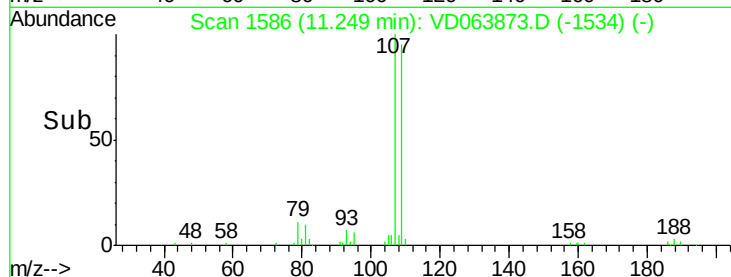
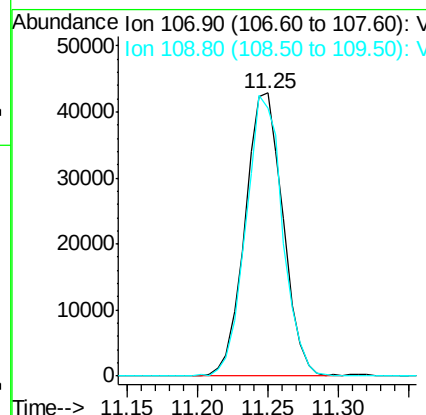
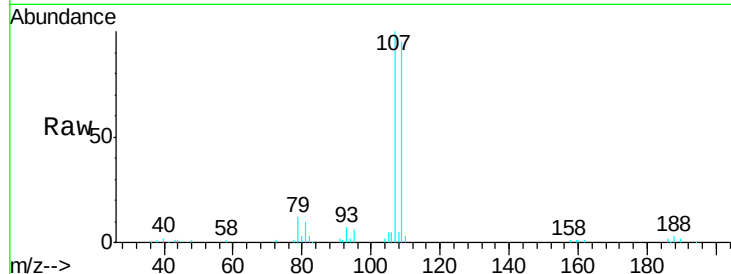




#61
 1,2-Dibromoethane
 Concen: 51.774 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

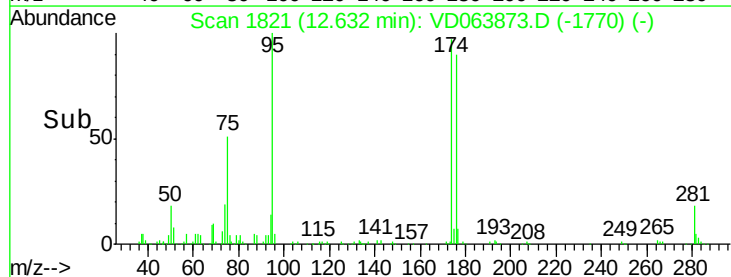
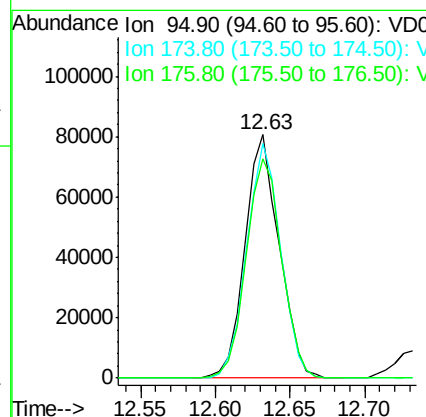
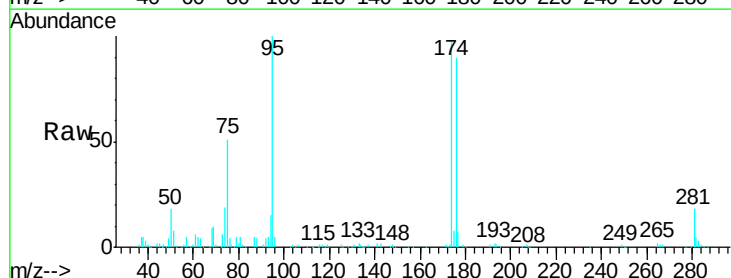
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

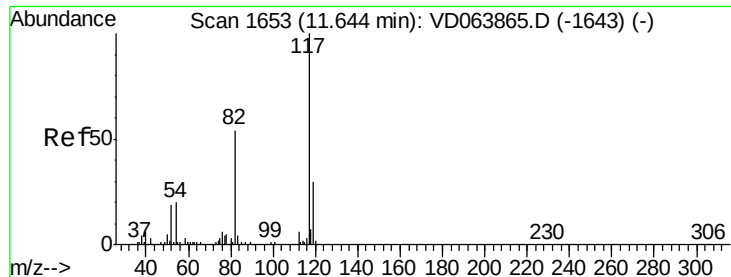
Tgt Ion: 107 Resp: 80627
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.620 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 95 Resp: 127854
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 186.4
 176 92.9 0.0 184.2

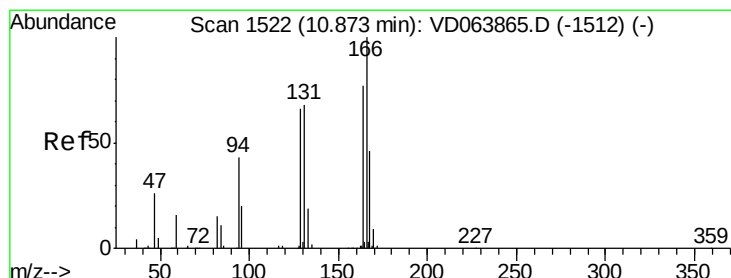
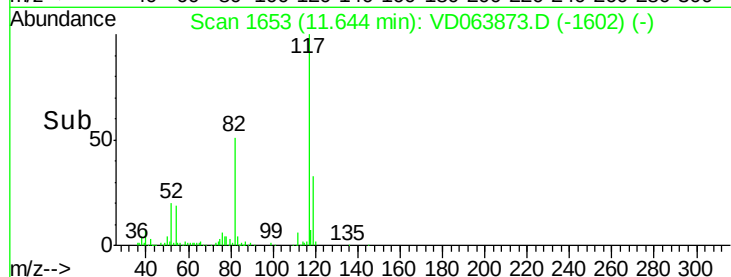
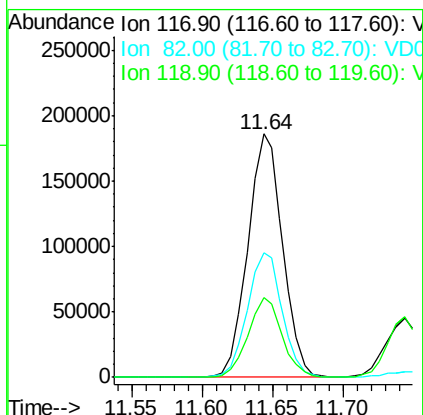
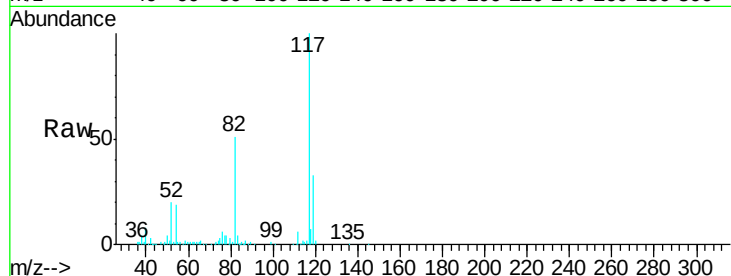




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

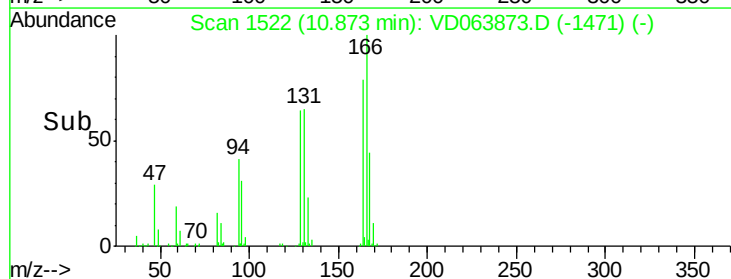
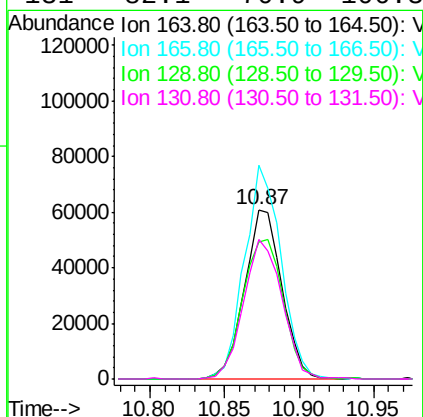
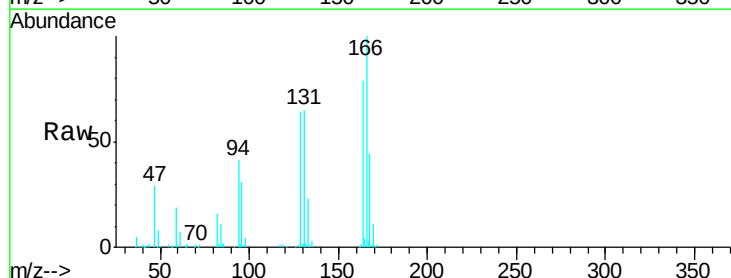
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

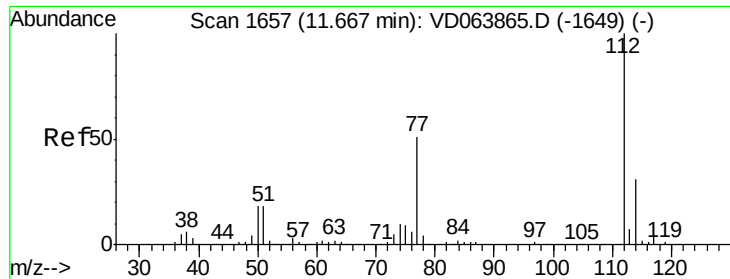
Tgt Ion:117 Resp: 321289
Ion Ratio Lower Upper
117 100
82 51.1 42.8 64.2
119 32.7 24.4 36.6



#64
Tetrachloroethene
Concen: 47.945 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion:164 Resp: 105160
Ion Ratio Lower Upper
164 100
166 126.0 103.8 155.6
129 81.0 68.9 103.3
131 82.1 70.9 106.3

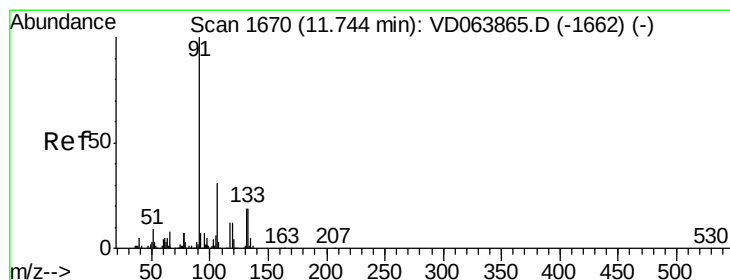
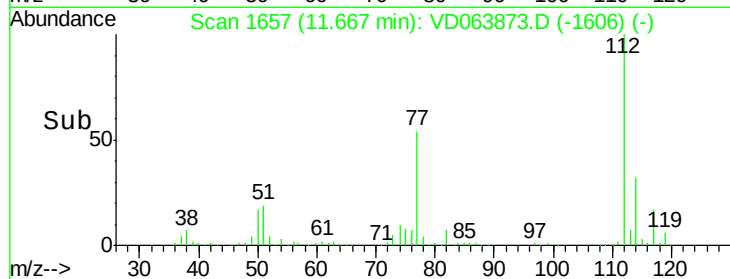
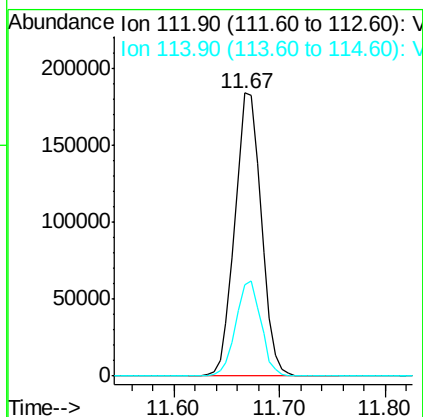
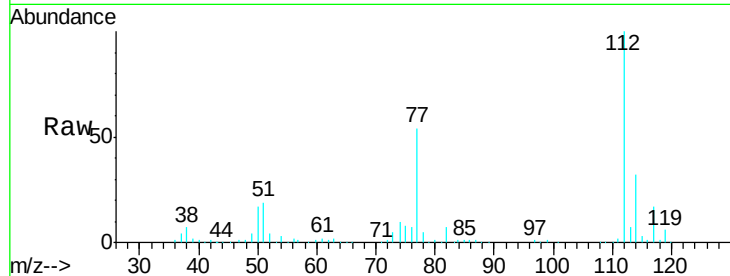




#65
Chlorobenzene
Concen: 49.449 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

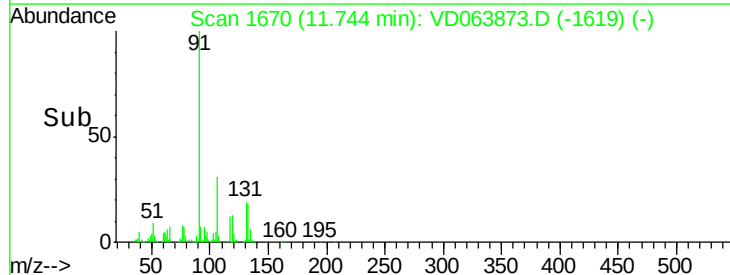
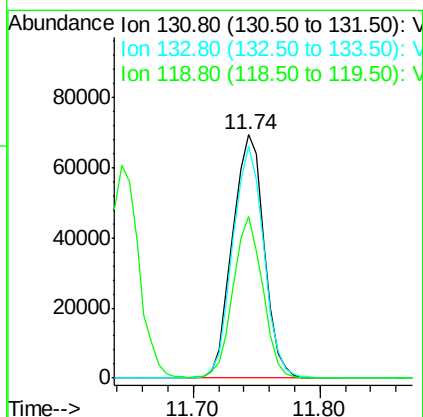
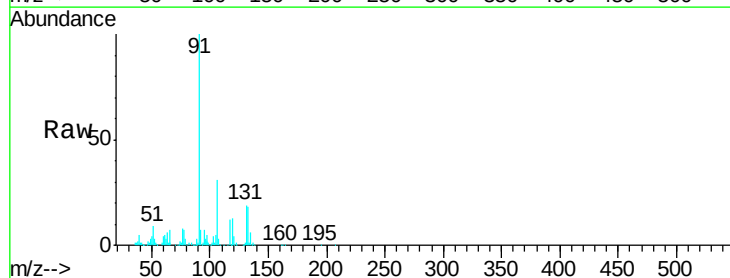
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

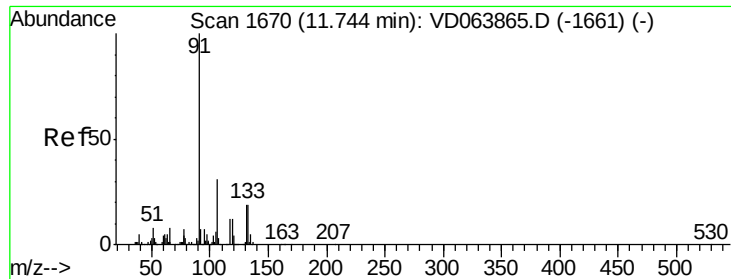
Tgt Ion:112 Resp: 319061
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.418 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion:131 Resp: 119870
Ion Ratio Lower Upper
131 100
133 93.4 48.9 146.7
119 62.0 32.6 97.8





#67

Ethyl Benzene

Concen: 49.275 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

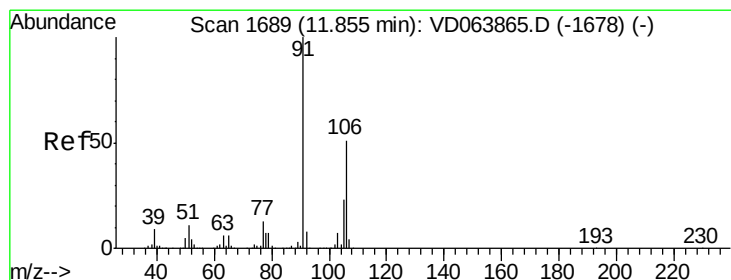
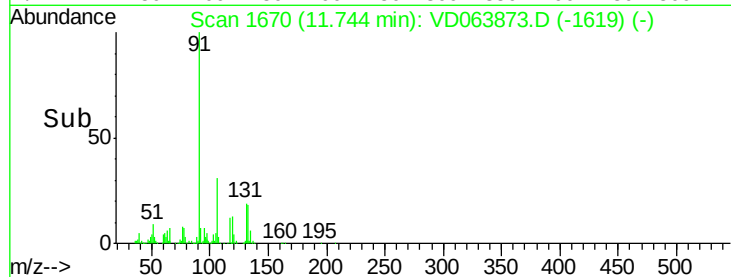
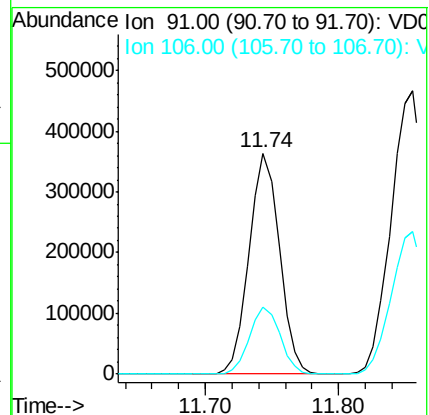
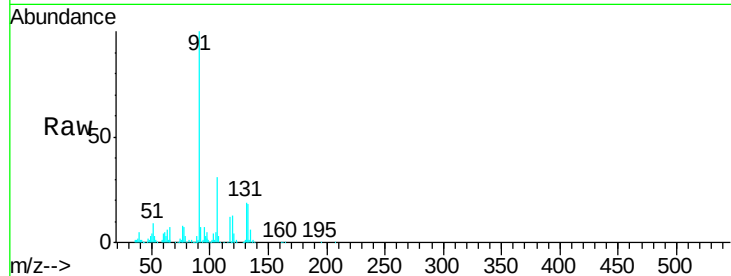
VSTDCCC050EC

Tgt Ion: 91 Resp: 573311

Ion Ratio Lower Upper

91 100

106 30.6 24.6 37.0



#68

m/p-Xylenes

Concen: 98.149 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063873.D

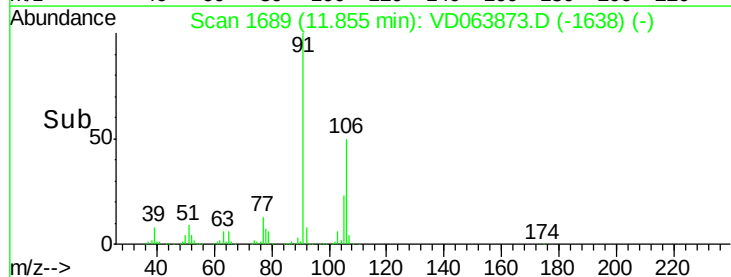
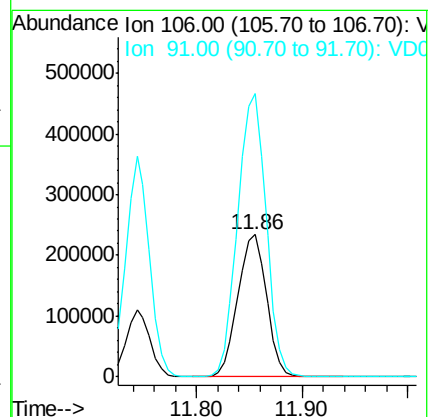
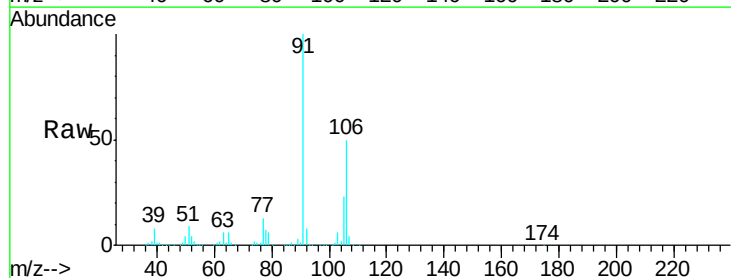
Acq: 02 Oct 2019 21:53

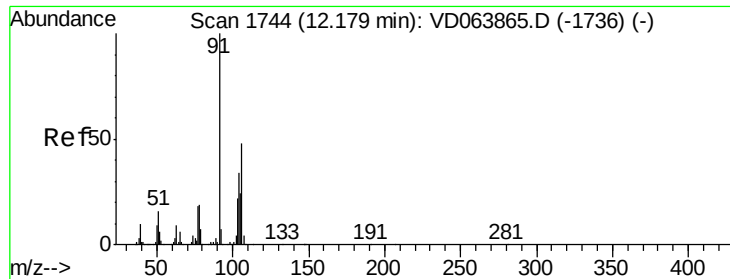
Tgt Ion: 106 Resp: 440766

Ion Ratio Lower Upper

106 100

91 196.7 154.8 232.2

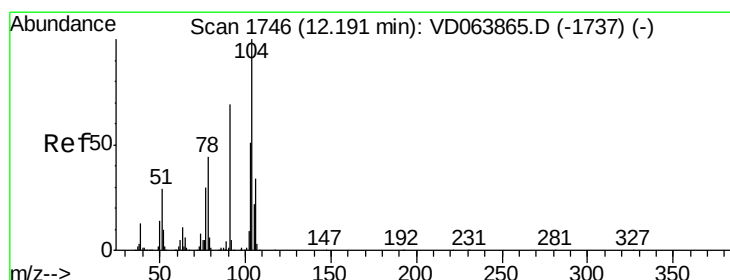
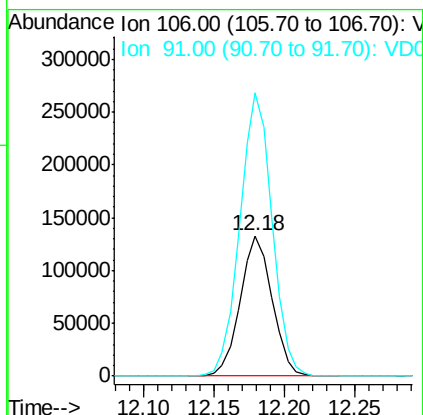
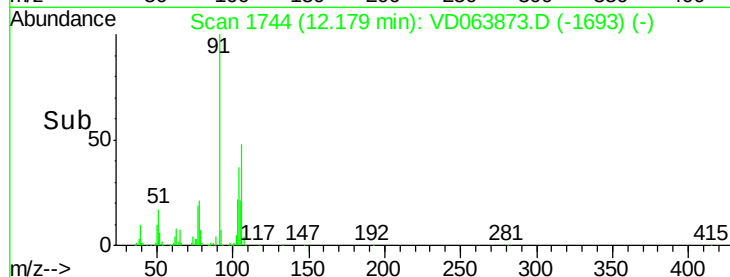
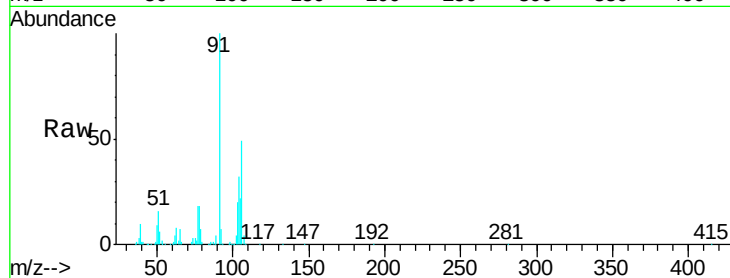




#69
o-Xylene
Concen: 48.962 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

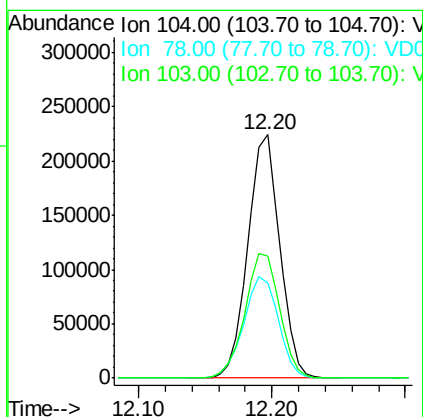
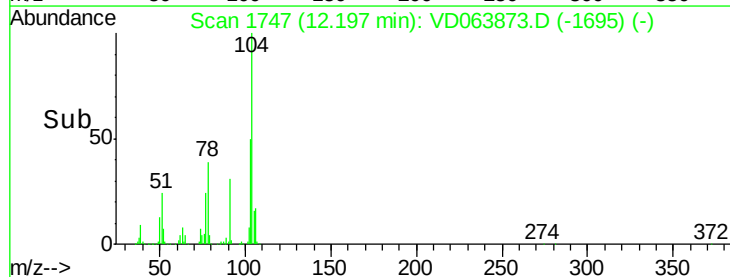
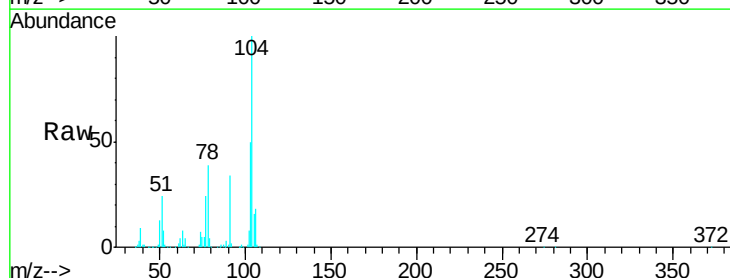
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

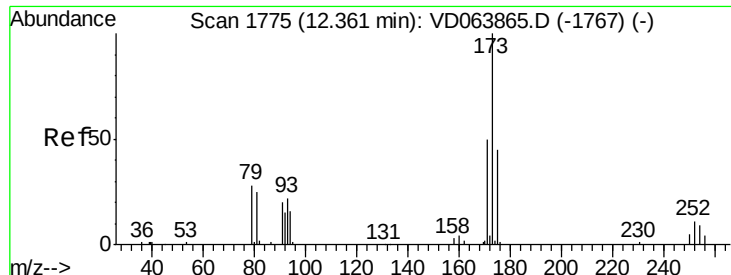
Tgt Ion:106 Resp: 210544
Ion Ratio Lower Upper
106 100
91 203.2 103.9 311.7



#70
Styrene
Concen: 50.733 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion:104 Resp: 369314
Ion Ratio Lower Upper
104 100
78 45.8 37.0 55.4
103 55.8 44.2 66.4

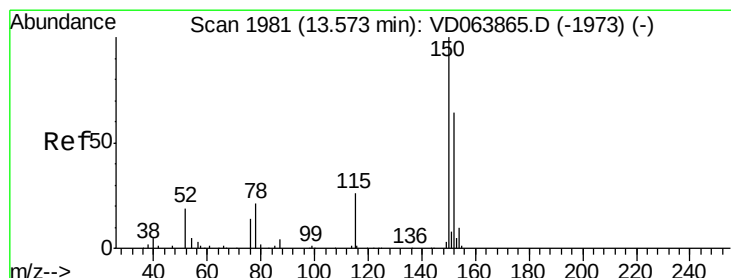
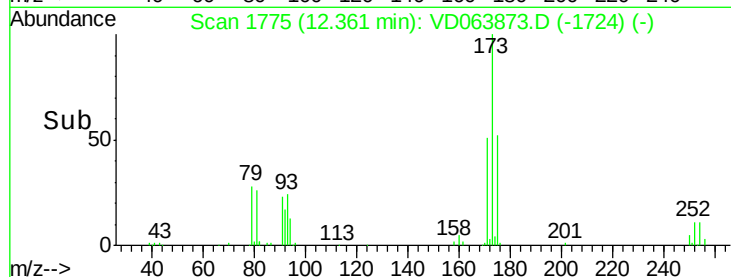
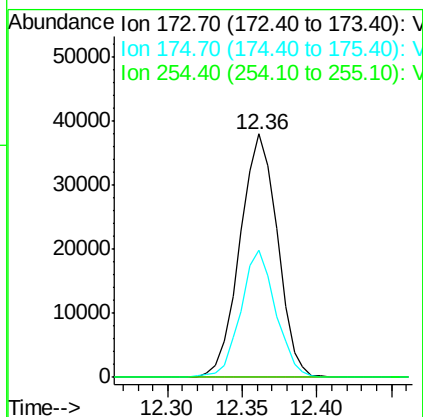
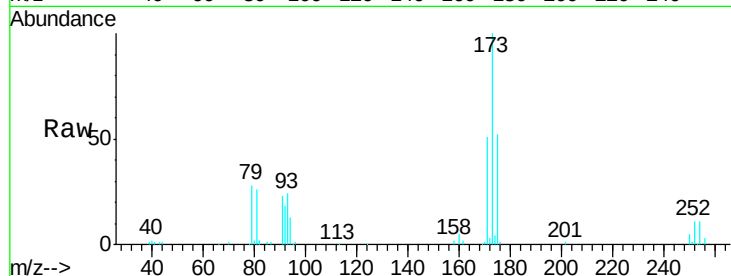




#71
Bromoform
Concen: 51.826 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

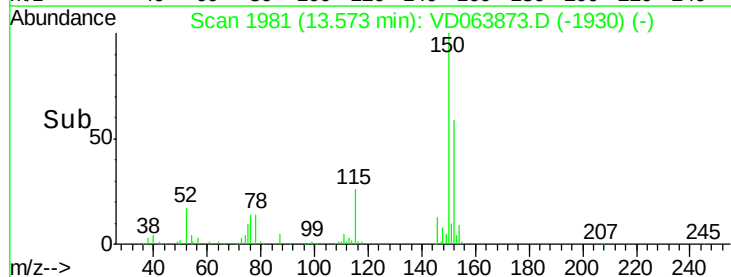
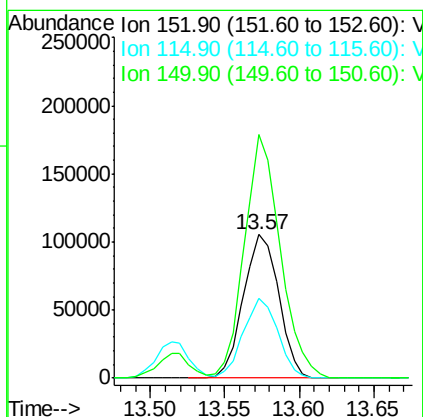
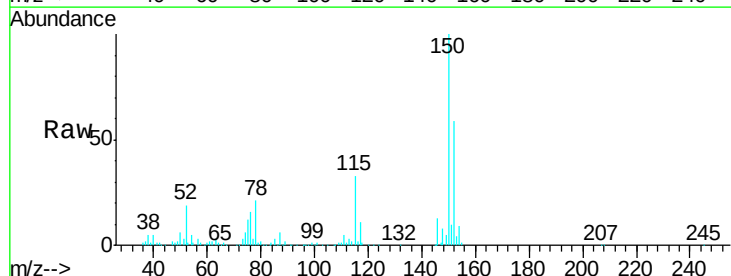
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

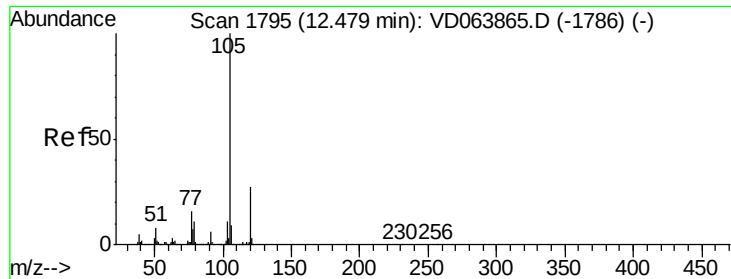
Tgt Ion:173 Resp: 66128
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion:152 Resp: 173222
Ion Ratio Lower Upper
152 100
115 54.5 25.9 77.7
150 171.7 0.0 344.2

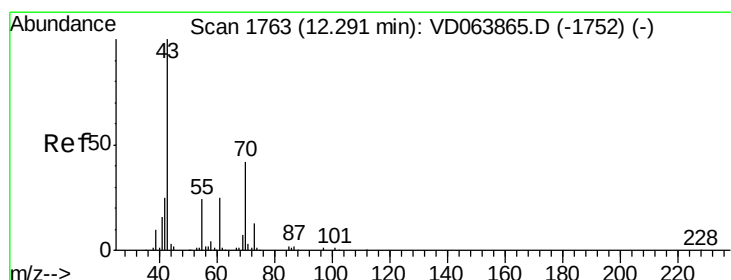
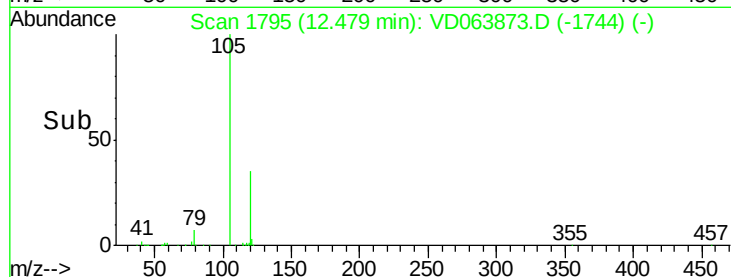
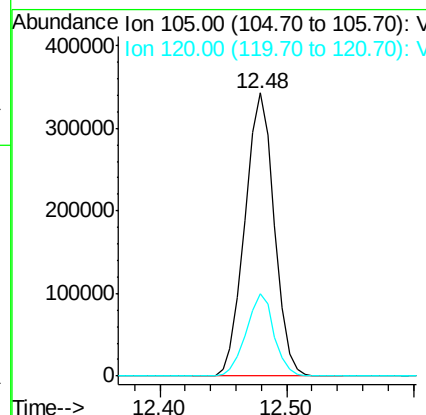
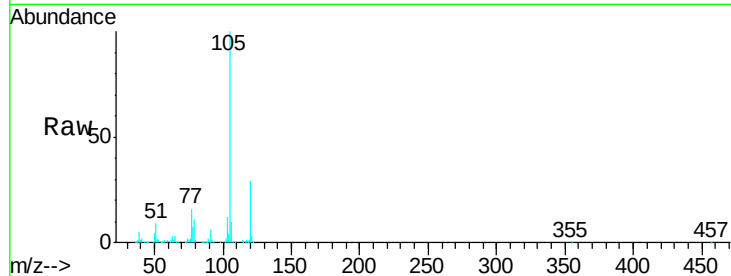




#73
Isopropylbenzene
Concen: 47.181 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

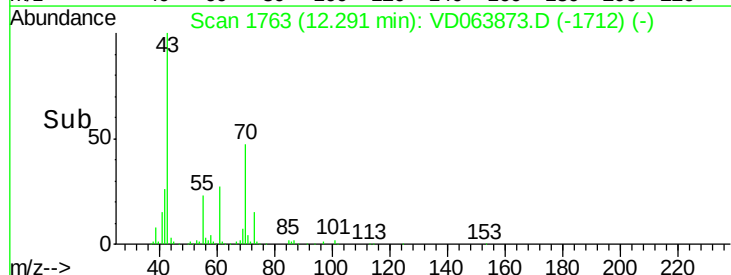
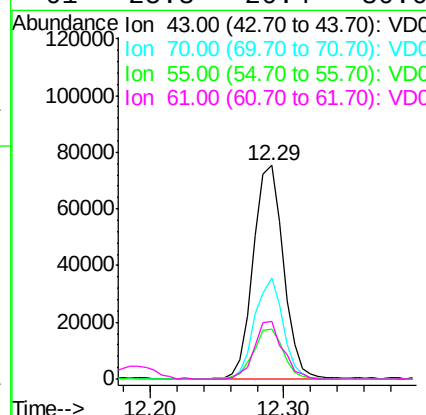
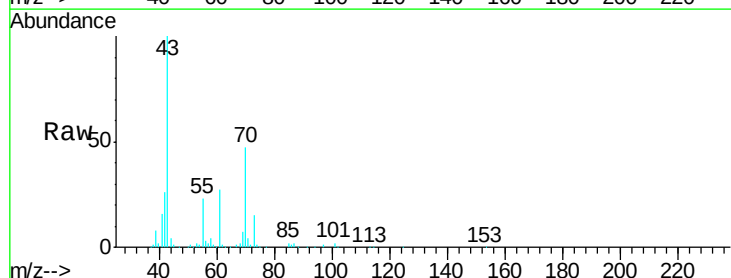
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

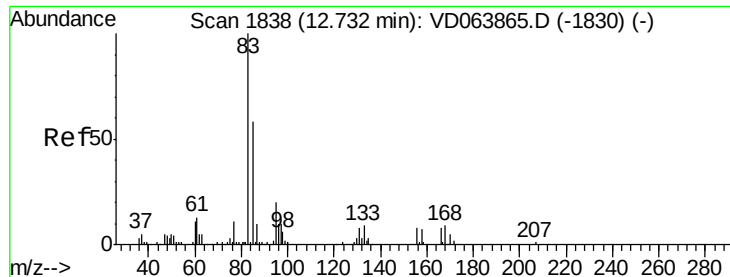
Tgt Ion: 105 Resp: 549411
Ion Ratio Lower Upper
105 100
120 27.7 13.3 39.8



#74
N-ethyl acetate
Concen: 46.822 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 43 Resp: 117390
Ion Ratio Lower Upper
43 100
70 44.2 35.8 53.6
55 23.2 19.4 29.0
61 25.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.557 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

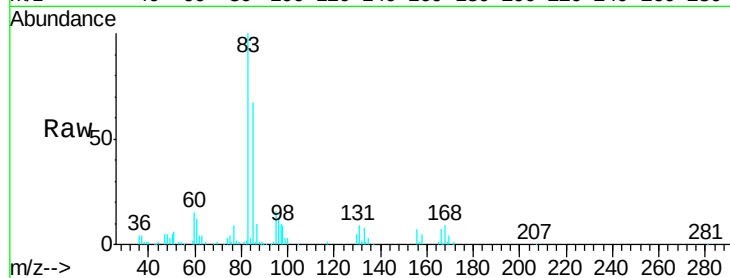
Tgt Ion: 83 Resp: 94341

Ion Ratio Lower Upper

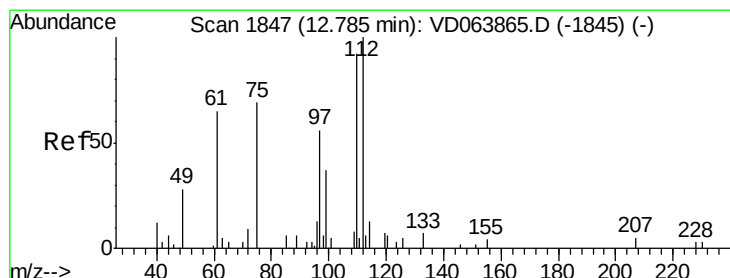
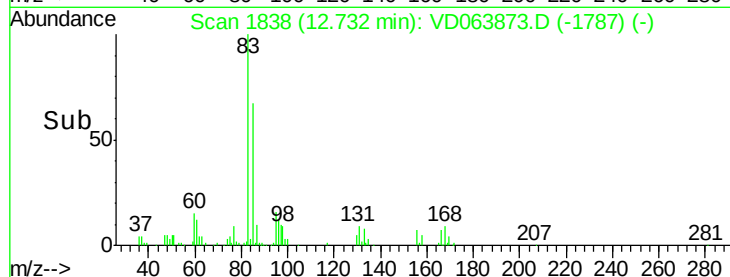
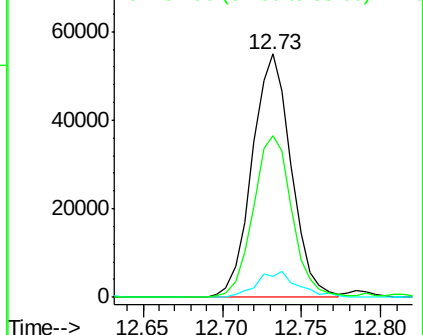
83 100

131 11.0 5.6 16.8

85 66.0 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: 106.066 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063873.D

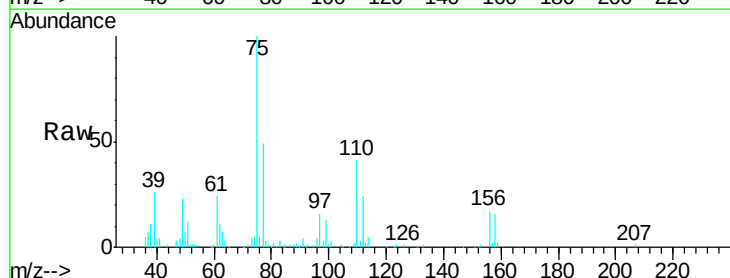
Acq: 02 Oct 2019 21:53

Tgt Ion: 75 Resp: 123057

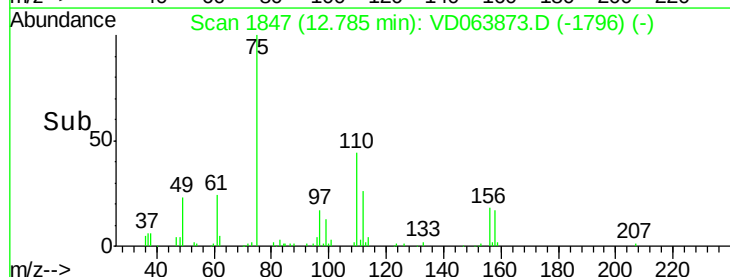
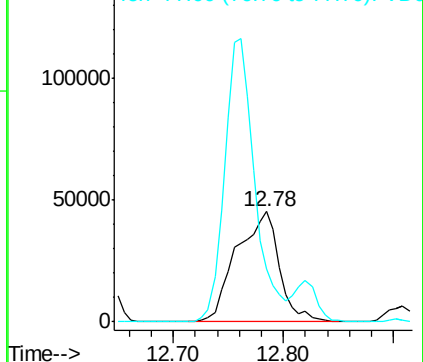
Ion Ratio Lower Upper

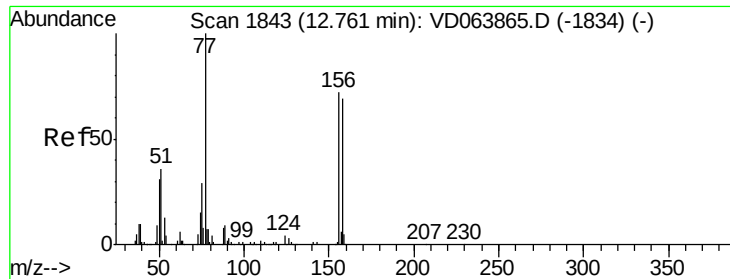
75 100

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: 47.420 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

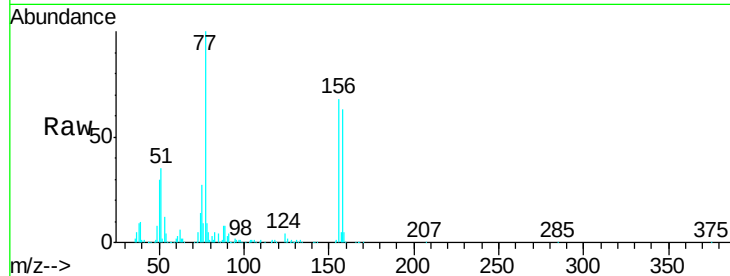
Tgt Ion:156 Resp: 137576

Ion Ratio Lower Upper

156 100

77 162.2 80.3 241.0

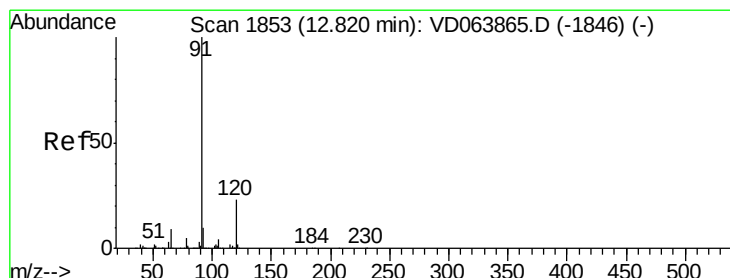
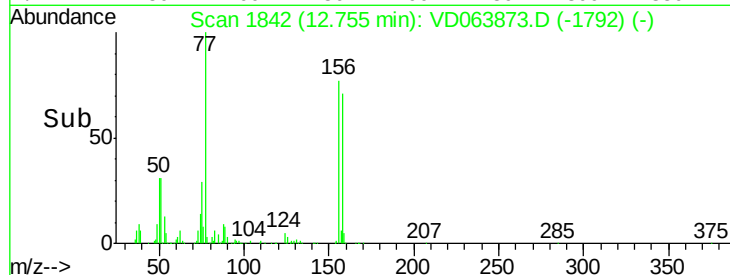
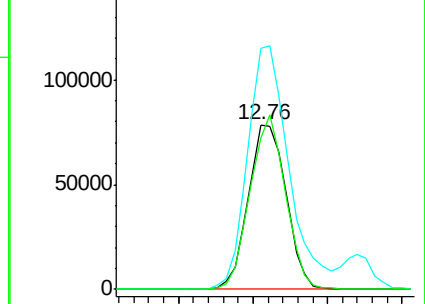
158 98.9 47.4 142.2



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: 48.054 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063873.D

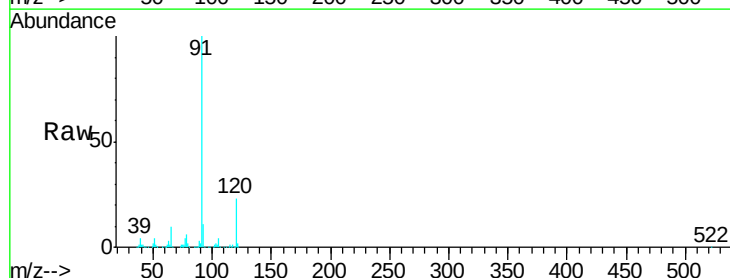
Acq: 02 Oct 2019 21:53

Tgt Ion: 91 Resp: 656824

Ion Ratio Lower Upper

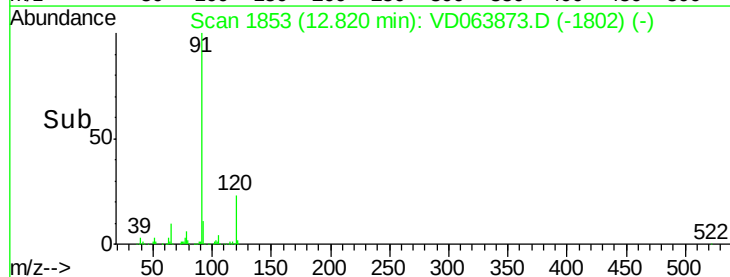
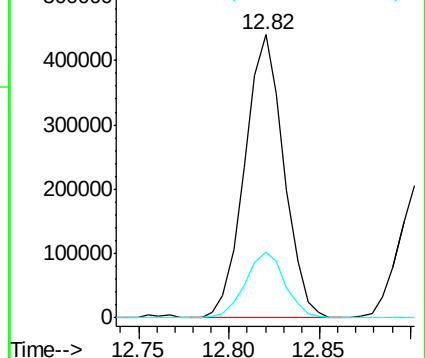
91 100

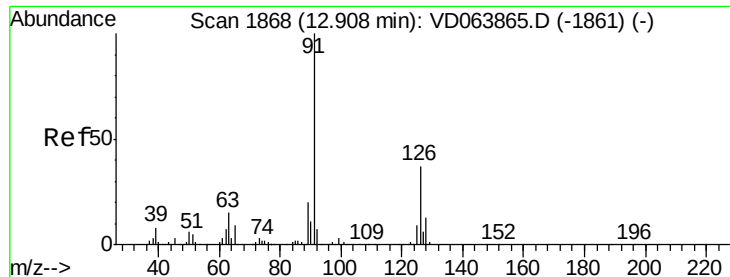
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.179 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

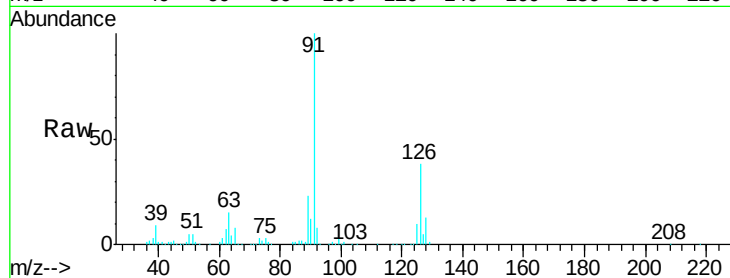
VSTDCCC050EC

Tgt Ion: 91 Resp: 363113

Ion Ratio Lower Upper

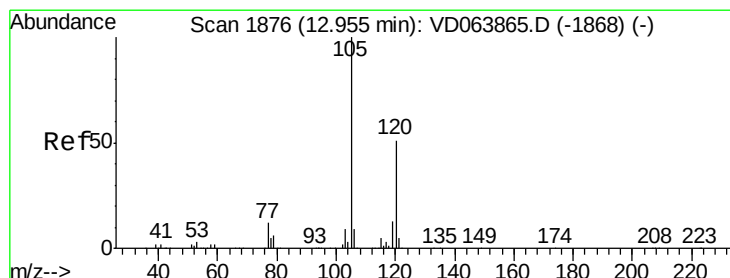
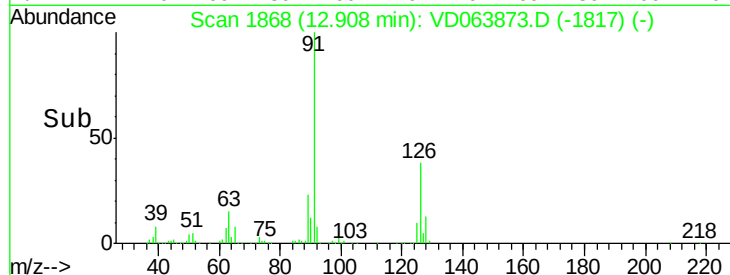
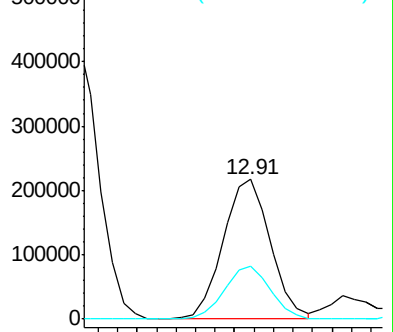
91 100

126 37.3 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.177 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VD063873.D

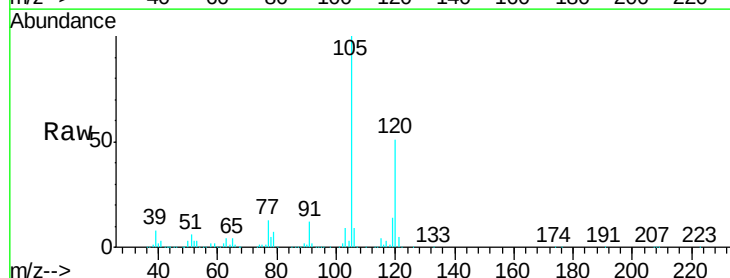
Acq: 02 Oct 2019 21:53

Tgt Ion: 105 Resp: 468038

Ion Ratio Lower Upper

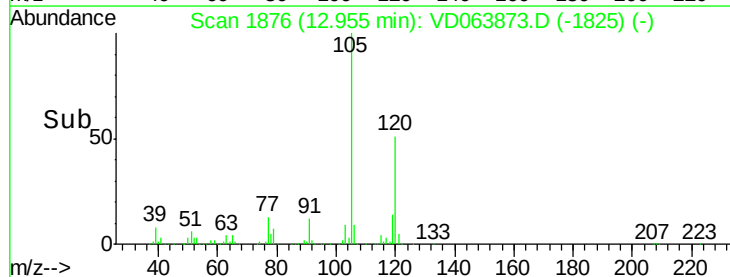
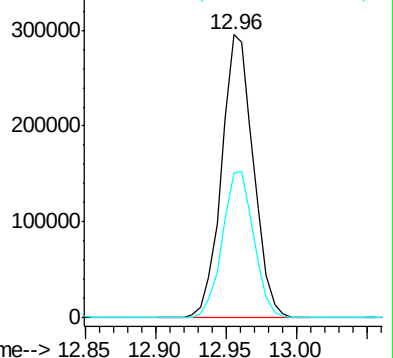
105 100

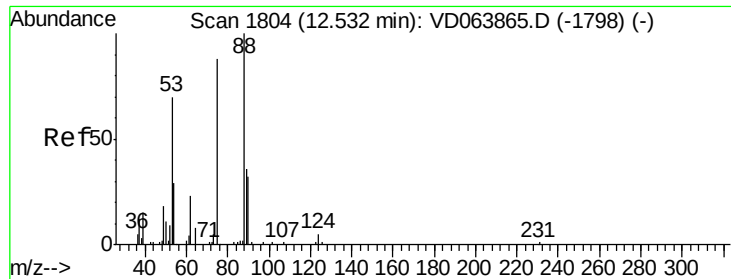
120 51.1 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

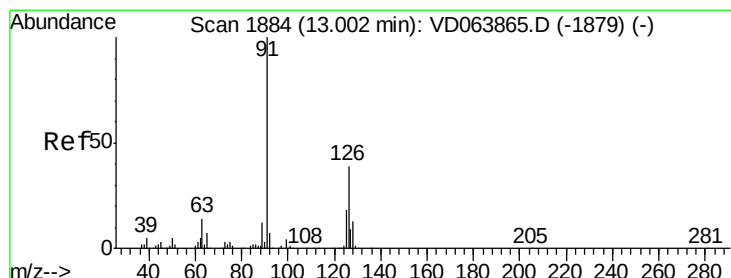
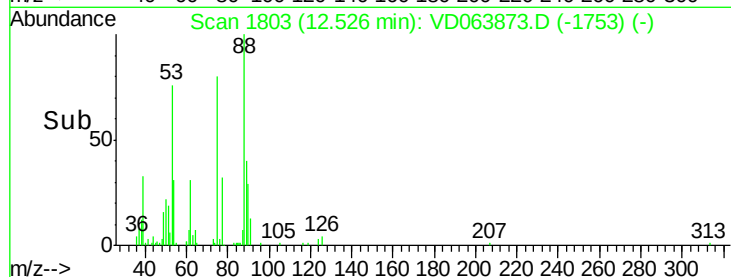
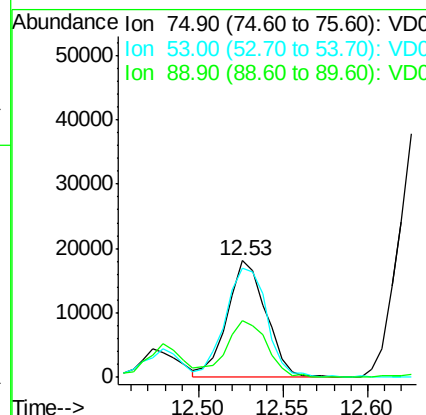
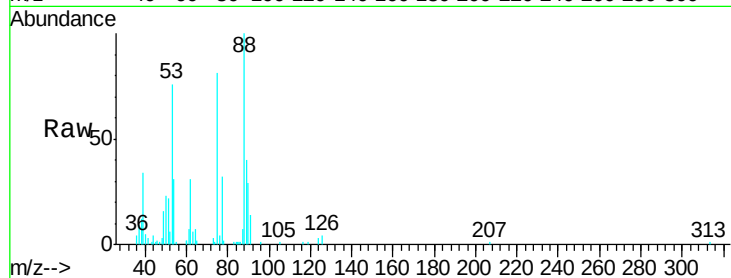




#81
trans-1,4-Dichloro-2-butene
Concen: 44.446 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

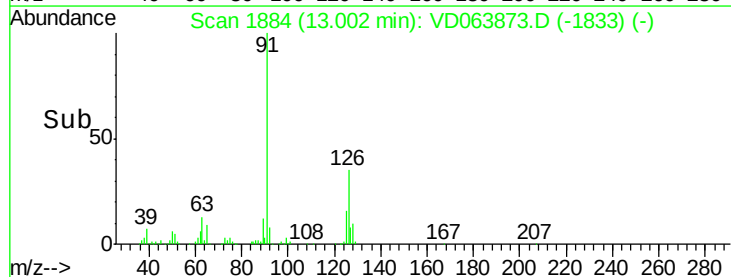
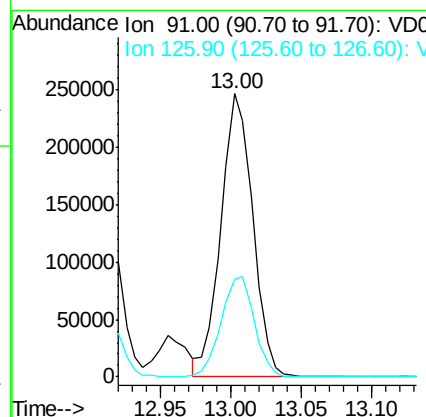
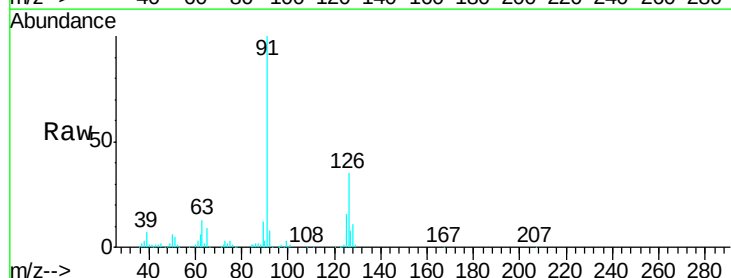
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

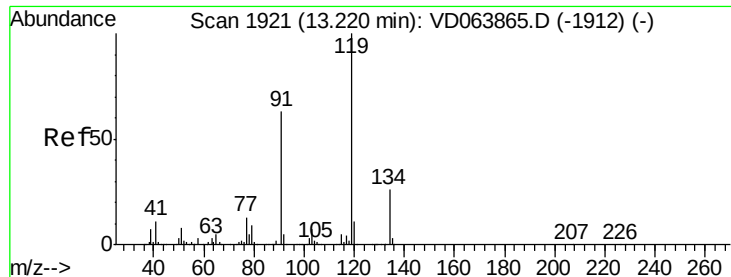
Tgt Ion: 75 Resp: 29140
Ion Ratio Lower Upper
75 100
53 100.1 75.0 112.6
89 49.8 38.2 57.4



#82
4-Chlorotoluene
Concen: 48.343 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 91 Resp: 386508
Ion Ratio Lower Upper
91 100
126 36.9 18.6 55.8

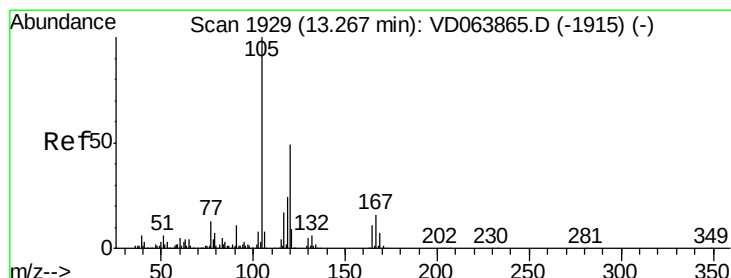
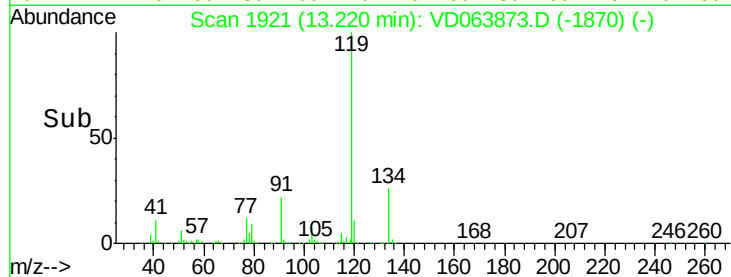
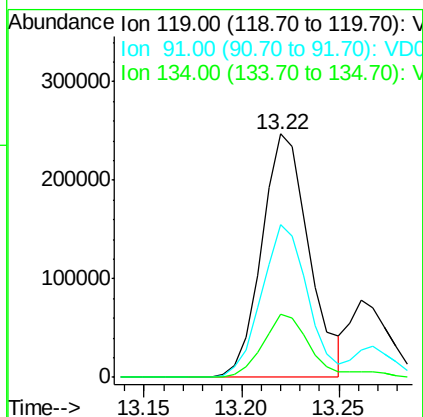
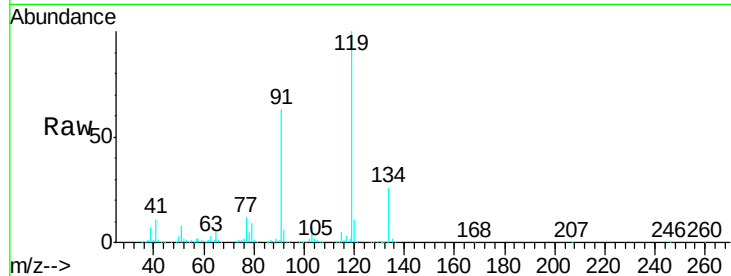




#83
 tert-Butylbenzene
 Concen: 48.038 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

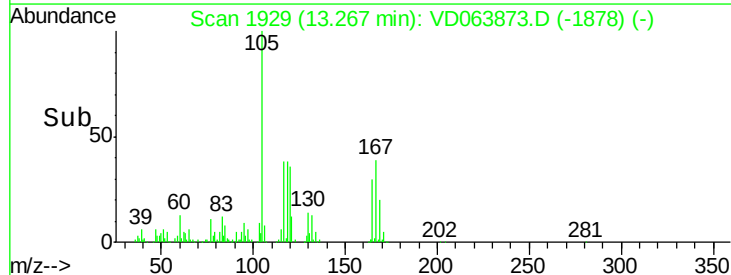
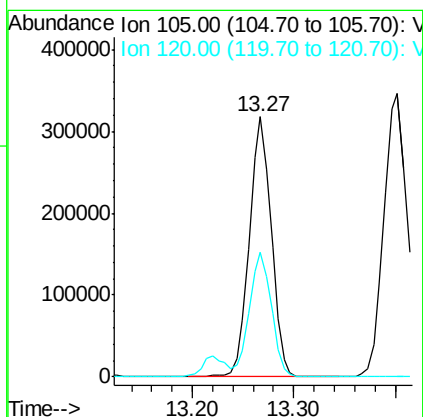
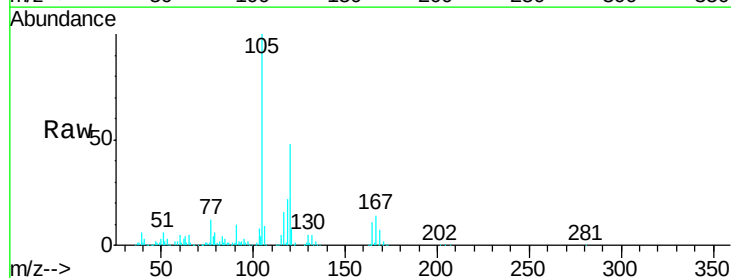
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

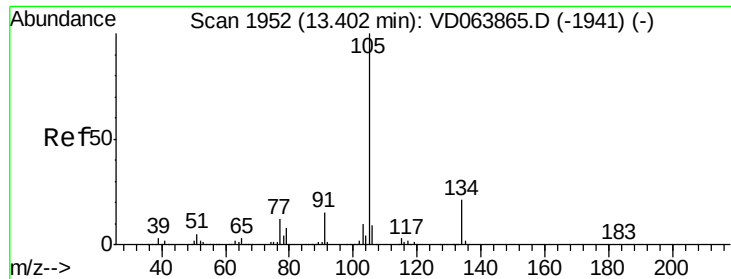
Tgt Ion:119 Resp: 415341
 Ion Ratio Lower Upper
 119 100
 91 60.8 30.0 90.0
 134 26.8 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.934 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion:105 Resp: 480083
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 47.042 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

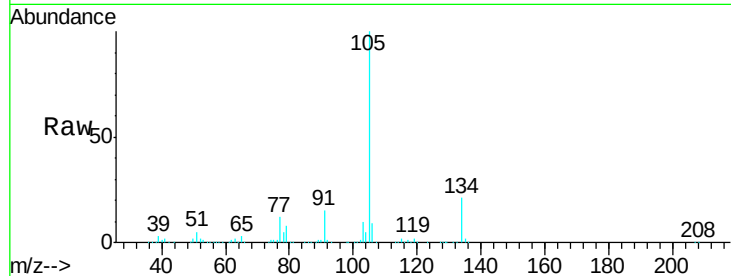
VSTDCCC050EC

Tgt Ion:105 Resp: 549274

Ion Ratio Lower Upper

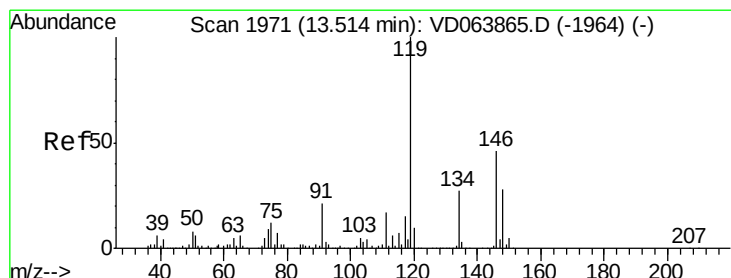
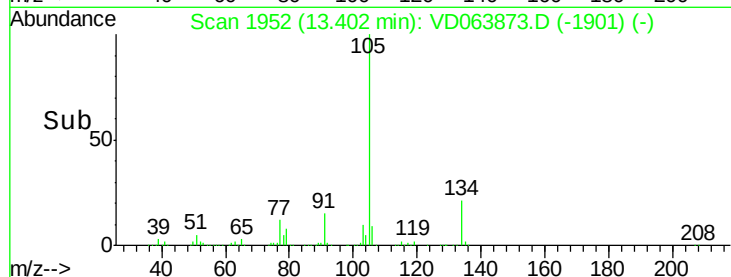
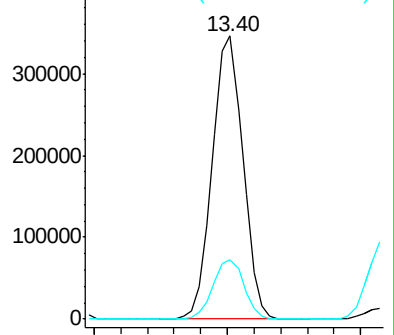
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.891 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

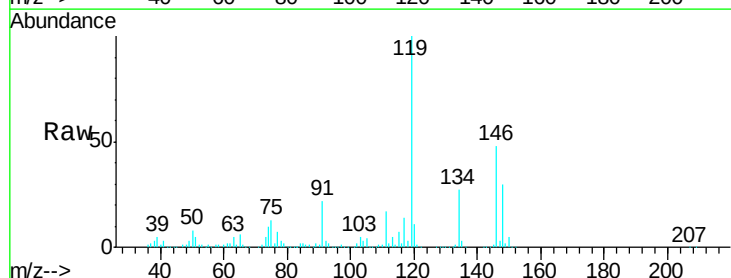
Tgt Ion:119 Resp: 529144

Ion Ratio Lower Upper

119 100

134 26.5 13.9 41.6

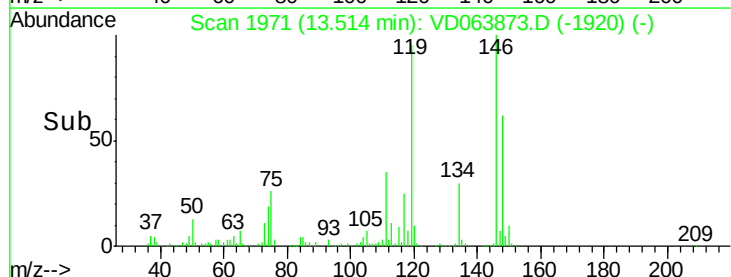
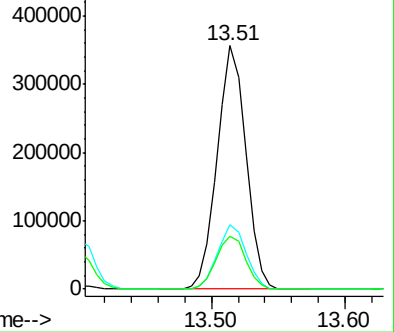
91 22.5 11.2 33.5

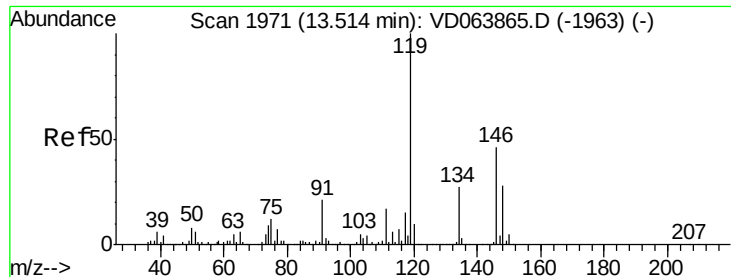


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

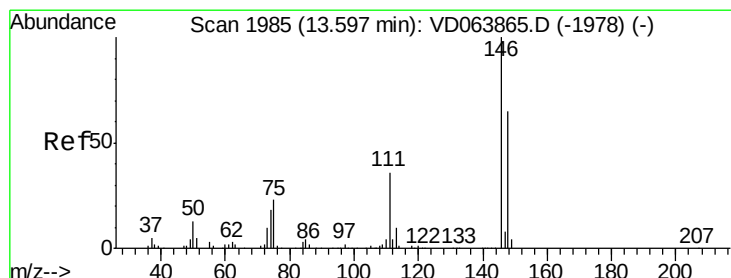
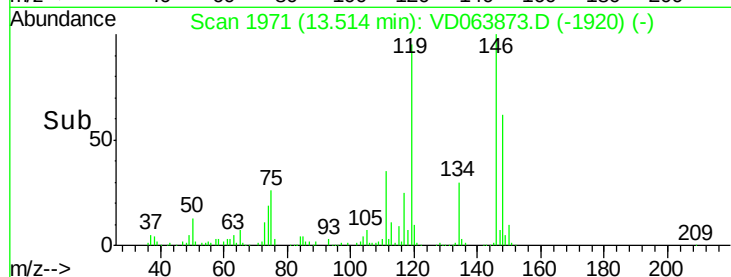
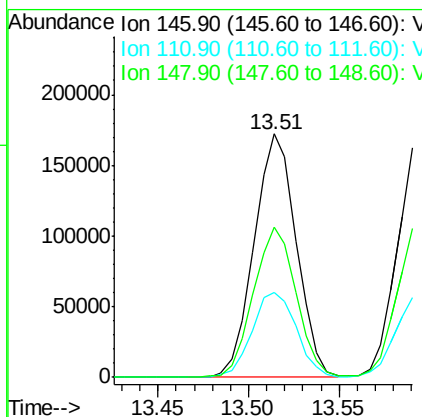
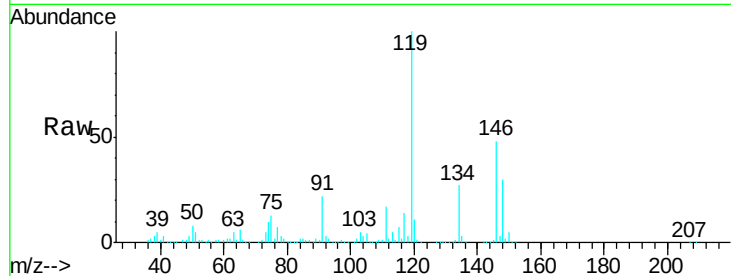




#87
 1,3-Dichlorobenzene
 Concen: 48.512 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

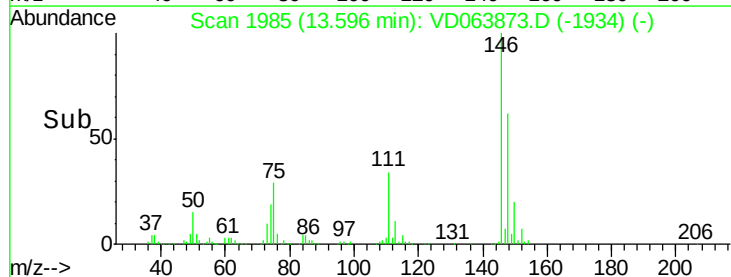
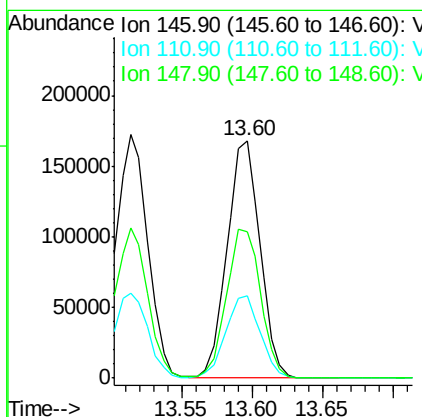
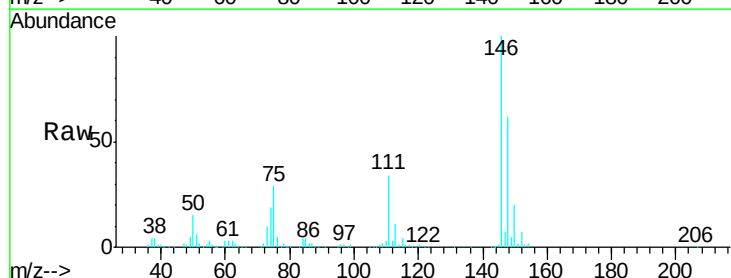
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

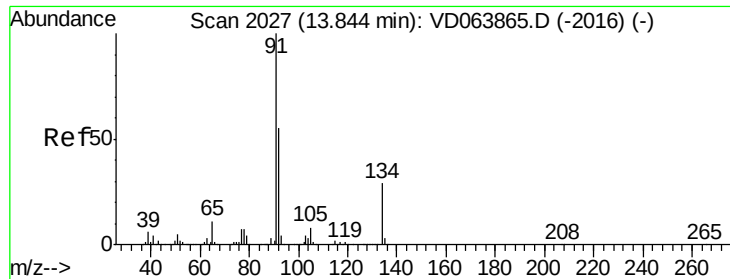
Tgt Ion:146 Resp: 278096
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.3 54.9
 148 62.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.239 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion:146 Resp: 272809
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 56.0
 148 65.1 32.6 98.0

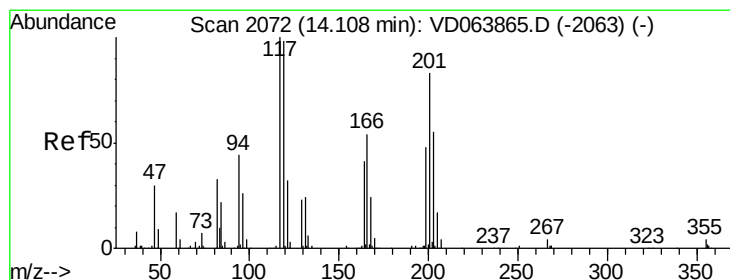
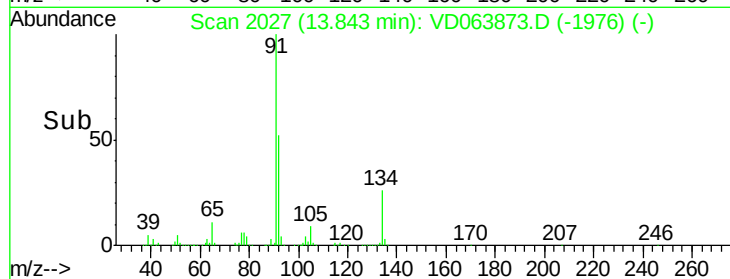
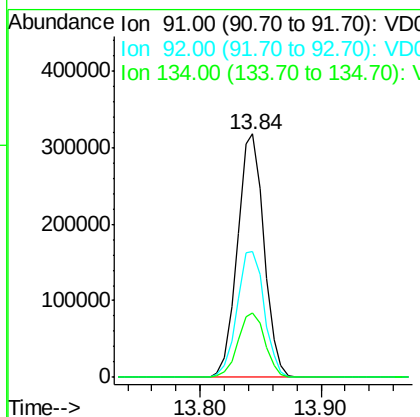
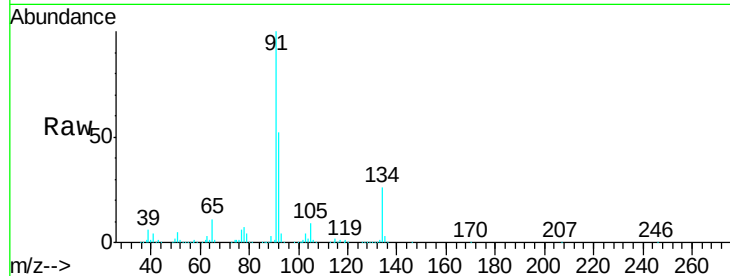




#89
n-Butylbenzene
Concen: 47.397 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

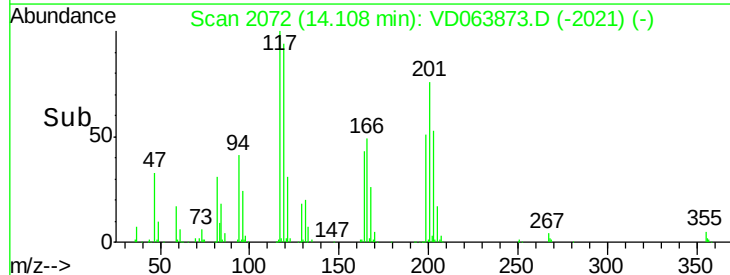
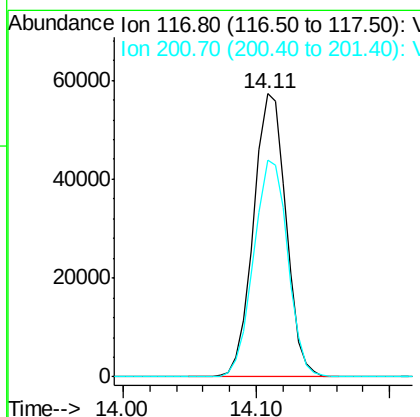
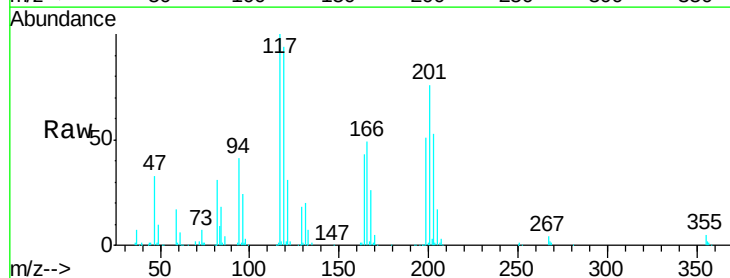
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

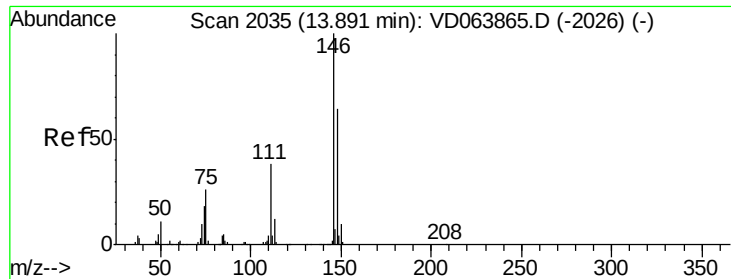
Tgt Ion: 91 Resp: 487460
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.3
134 27.1 14.4 43.0



#90
Hexachloroethane
Concen: 48.336 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 117 Resp: 96054
Ion Ratio Lower Upper
117 100
201 80.4 40.6 121.7

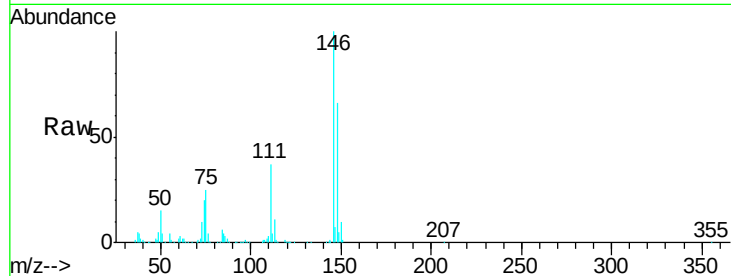




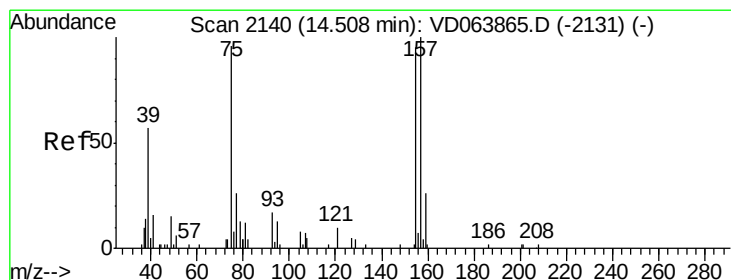
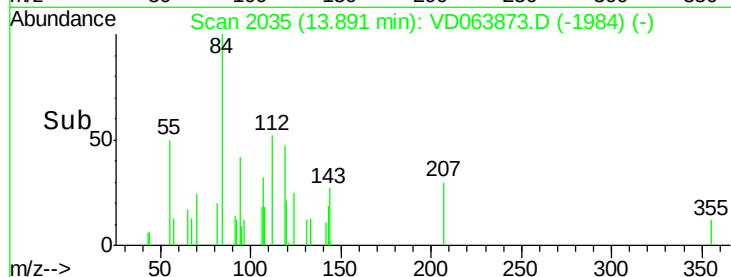
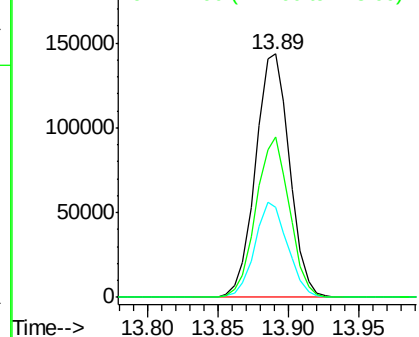
#91
 1,2-Dichlorobenzene
 Concen: 49.154 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 242829
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 64.8 31.6 95.0

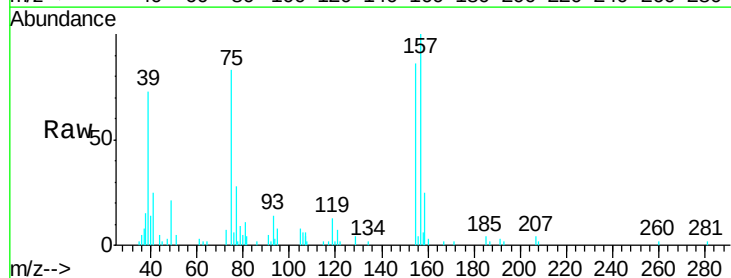


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

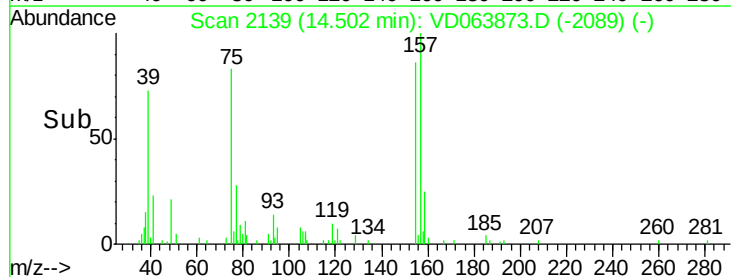
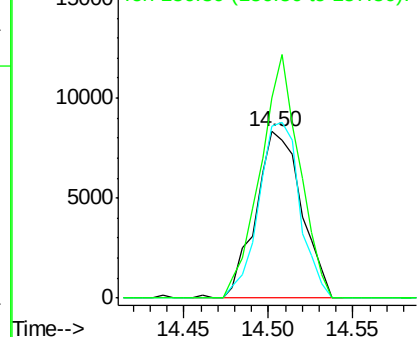


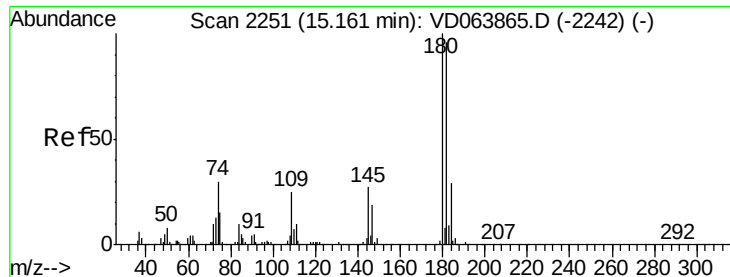
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.746 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 75 Resp: 15666
 Ion Ratio Lower Upper
 75 100
 155 94.5 43.9 131.6
 157 125.6 56.0 167.9



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

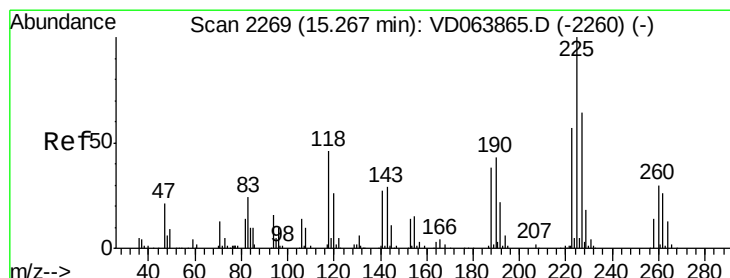
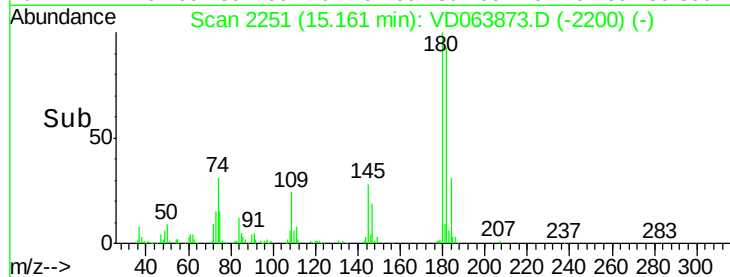
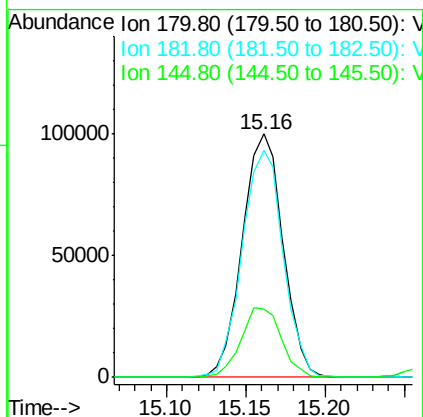
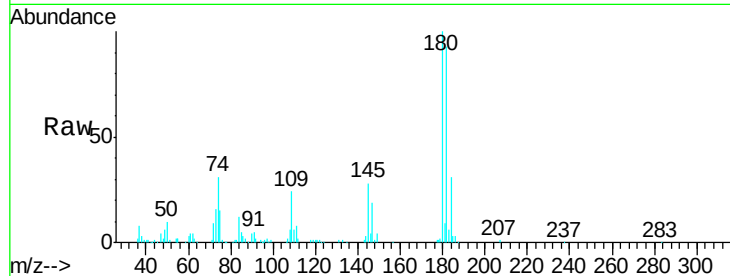




#93
 1,2,4-Trichlorobenzene
 Concen: 46.872 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

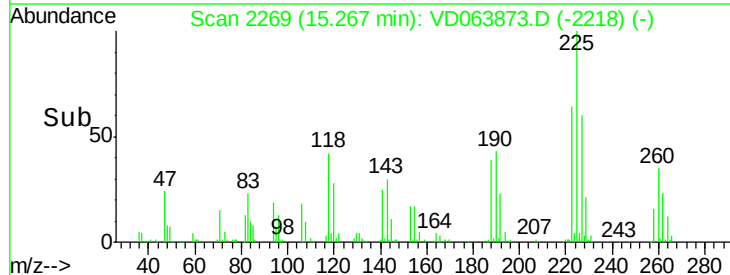
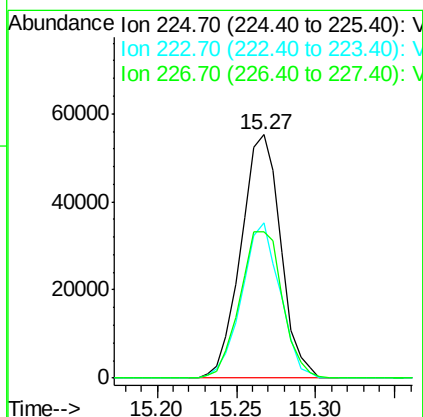
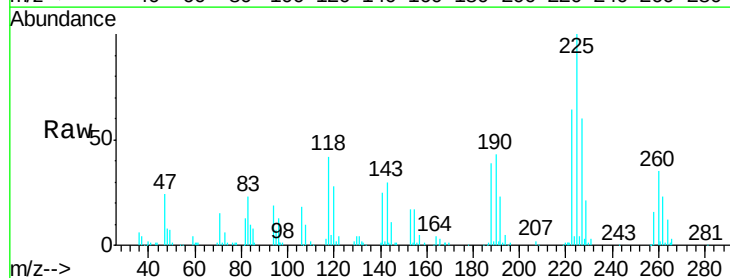
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

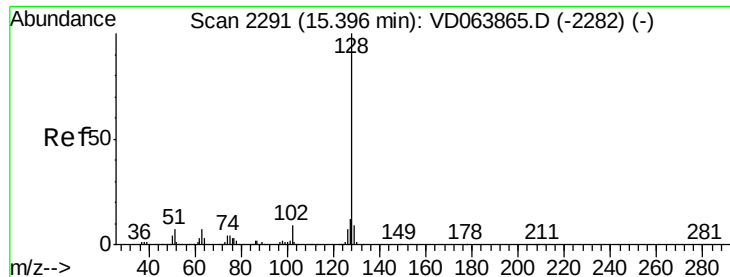
Tgt Ion:180 Resp: 178672
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.4 142.3
 145 28.5 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 45.661 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion:225 Resp: 96049
 Ion Ratio Lower Upper
 225 100
 223 61.5 29.5 88.6
 227 64.3 30.8 92.4

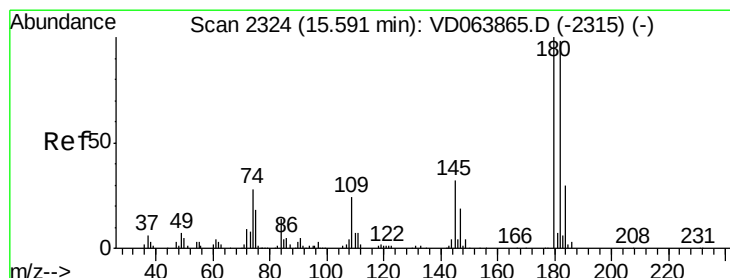
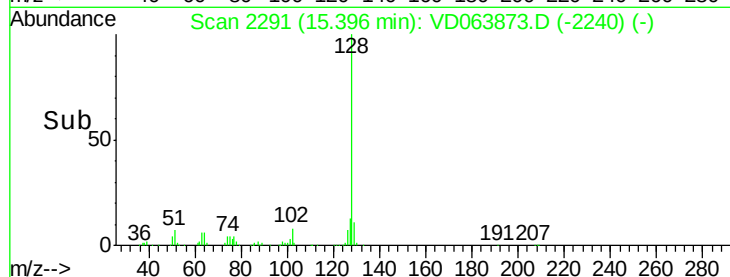
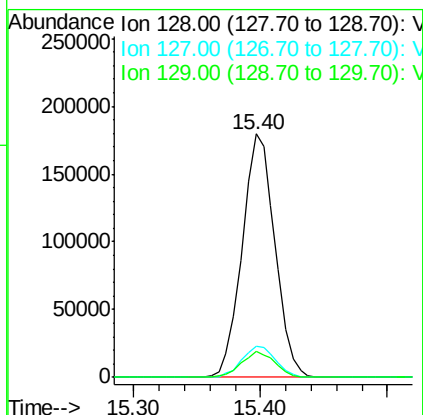
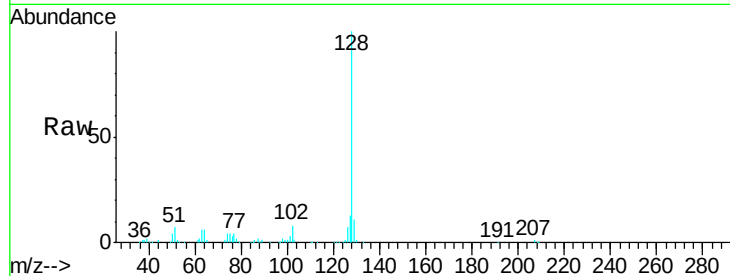




#95
Naphthalene
Concen: 50.214 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 321713
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.982 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion:180 Resp: 157805
Ion Ratio Lower Upper
180 100
182 93.7 47.0 141.0
145 30.3 15.3 45.9

