

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063573.D
 Acq On : 14 Aug 2019 14:55
 Operator : JC/SY
 Sample : VD0814SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 11:58:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1081557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1483300	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1266099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	643225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	641561	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	6.93	113	736440	58.95	ug/l	0.00
Spiked Amount			Recovery	=	117.90%	
50) Toluene-d8	10.42	98	1610260	58.63	ug/l	0.00
Spiked Amount			Recovery	=	117.26%	
62) 4-Bromofluorobenzene	13.56	95	658174	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	274123	20.949	ug/l	98
3) Chloromethane	1.75	50	222995	21.812	ug/l	97
4) Vinyl Chloride	1.85	62	217469	21.428	ug/l	98
5) Bromomethane	2.15	94	87517	18.275	ug/l	95
6) Chloroethane	2.26	64	92539	19.939	ug/l	93
7) Trichlorofluoromethane	2.53	101	419385	21.067	ug/l	96
8) Diethyl Ether	2.88	74	62469	22.226	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	260889	22.195	ug/l	98
10) Methyl Iodide	3.30	142	290299	17.454	ug/l	96
11) Tert butyl alcohol	4.08	59	57346	113.946	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	184293	21.088	ug/l	95
13) Acrolein	3.04	56	43226	87.258	ug/l	98
14) Allyl chloride	3.62	41	277228	21.101	ug/l	97
15) Acrylonitrile	4.20	53	144942	108.729	ug/l	96
16) Acetone	3.23	43	234534	99.796	ug/l	93
17) Carbon Disulfide	3.37	76	570217	20.674	ug/l	97
18) Methyl Acetate	3.65	43	96447	21.666	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	409663	23.439	ug/l #	90
20) Methylene Chloride	3.82	84	210186	20.683	ug/l #	93
21) trans-1,2-Dichloroethene	4.22	96	203298	22.106	ug/l	99
22) Diisopropyl ether	5.13	45	557901	20.579	ug/l	93
23) Vinyl Acetate	5.07	43	1703494	108.085	ug/l	99
24) 1,1-Dichloroethane	4.99	63	371998	22.123	ug/l #	96
25) 2-Butanone	6.08	43	228421	98.412	ug/l	97
26) 2,2-Dichloropropane	6.03	77	361386	21.578	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	219678	21.832	ug/l	97
28) Bromochloromethane	6.44	49	137683	20.204	ug/l	95
29) Tetrahydrofuran	6.46	42	114637	105.992	ug/l	97
30) Chloroform	6.67	83	449496	21.507	ug/l	97
31) Cyclohexane	6.97	56	216048	20.697	ug/l #	88
32) 1,1,1-Trichloroethane	6.88	97	417158	20.865	ug/l	93
36) 1,1-Dichloropropene	7.15	75	295333	22.523	ug/l	95
37) Ethyl Acetate	6.19	43	120387	21.910	ug/l #	97
38) Carbon Tetrachloride	7.12	117	420833	21.295	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	225342	20.210	ug/l	90
40) Benzene	7.46	78	620906	21.517	ug/l	98
41) Methacrylonitrile	6.46	41	157664	22.789	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	319496	22.019	ug/l	99
43) Isopropyl Acetate	9.25	43	153479	20.856	ug/l #	94
44) Trichloroethene	8.55	130	242107	21.951	ug/l	98
45) 1,2-Dichloropropane	8.94	63	151396	22.529	ug/l #	87
46) Dibromomethane	9.07	93	120481	20.994	ug/l	94
47) Bromodichloromethane	9.39	83	301762	20.500	ug/l	98
48) Methyl methacrylate	9.13	41	111024	22.246	ug/l	95
49) 1,4-Dioxane	9.10	88	19749	456.911	ug/l #	80
51) 4-Methyl-2-Pentanone	10.31	43	531831	105.614	ug/l	100
52) Toluene	10.52	92	397647	21.395	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	266630	22.195	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	283294	20.914	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	137091	21.836	ug/l	93
56) Ethyl methacrylate	11.05	69	142241	20.873	ug/l	95
57) 1,3-Dichloropropane	11.42	76	198261	20.891	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	390130	108.442	ug/l	96
59) 2-Hexanone	11.54	43	395977	108.071	ug/l	97
60) Dibromochloromethane	11.69	129	239621	20.974	ug/l	99
61) 1,2-Dibromoethane	11.81	107	166297	21.880	ug/l	95
64) Tetrachloroethene	11.27	164	205622	21.038	ug/l	96
65) Chlorobenzene	12.41	112	508198	21.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	221615	21.221	ug/l	93
67) Ethyl Benzene	12.53	91	894403	21.677	ug/l	98
68) m/p-Xylenes	12.68	106	613520	42.323	ug/l	91
69) o-Xylene	13.06	106	287186	20.584	ug/l	92
70) Styrene	13.08	104	517487	20.852	ug/l	96
71) Bromoform	13.24	173	143773	20.077	ug/l	95
73) Isopropylbenzene	13.41	105	898370	21.958	ug/l	97
74) N-amyl acetate	13.28	43	224402	21.850	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	154410	22.738	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	145500	19.710	ug/l	99
77) Bromobenzene	13.68	156	255786	22.876	ug/l	83
78) n-propylbenzene	13.78	91	971446	20.294	ug/l	95
79) 2-Chlorotoluene	13.85	91	643592	23.318	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	768203	21.490	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	40868	20.598	ug/l	91
82) 4-Chlorotoluene	13.96	91	734986	22.145	ug/l	91
83) tert-Butylbenzene	14.19	119	847025	22.502	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	758232	22.924	ug/l	91
85) sec-Butylbenzene	14.37	105	933216	23.344	ug/l	97
86) p-Isopropyltoluene	14.50	119	774849	20.272	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	429126	21.217	ug/l	93
88) 1,4-Dichlorobenzene	14.55	146	440924	22.723	ug/l	97
89) n-Butylbenzene	14.80	91	810863	23.244	ug/l	94
90) Hexachloroethane	15.01	117	204597	21.296	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	400662	23.349	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23406	18.305	ug/l	82

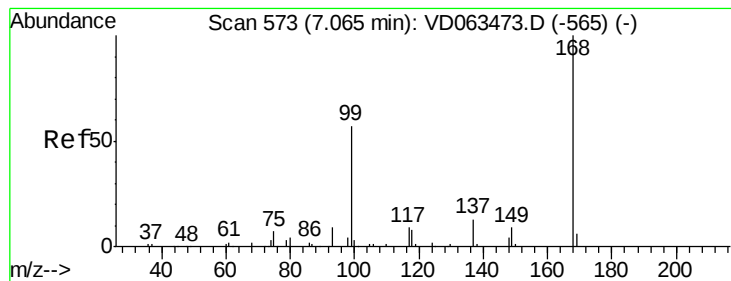
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	281652	22.306	ug/l	99
94) Hexachlorobutadiene	16.04	225	217851	22.638	ug/l	95
95) Naphthalene	16.13	128	418898	21.891	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	213833	20.967	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

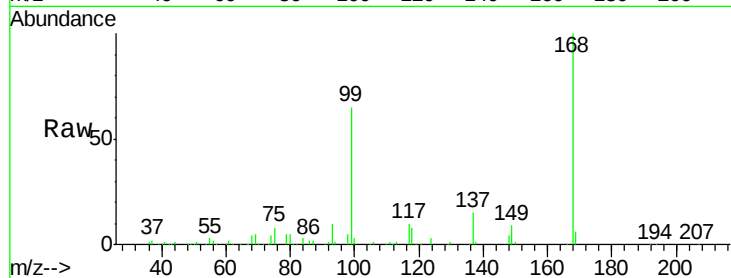
ClientSampleId :

Tot Ion:168 Resp: 1081557

Ion Ratio Lower Upper

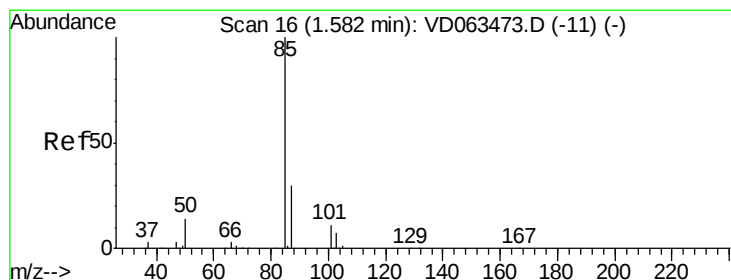
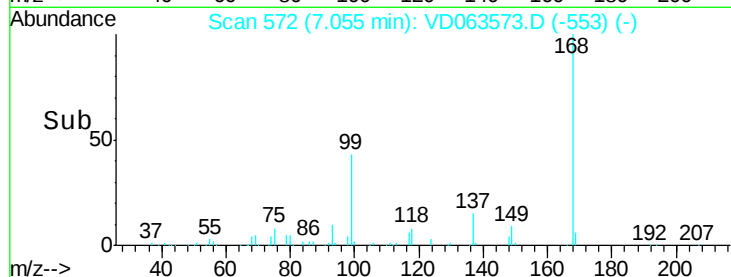
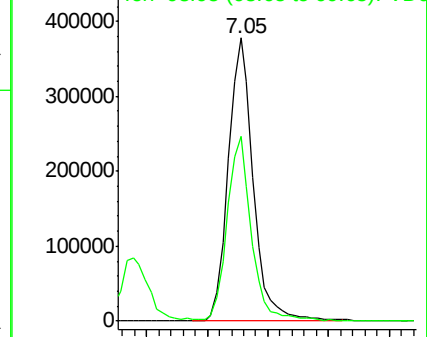
168 100

99 65.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.949 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063573.D

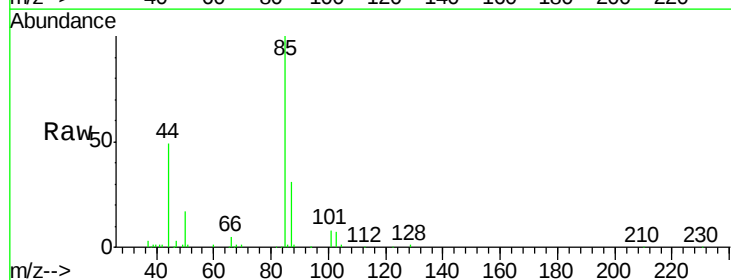
Acq: 14 Aug 2019 14:55

Tgt Ion: 85 Resp: 274123

Ion Ratio Lower Upper

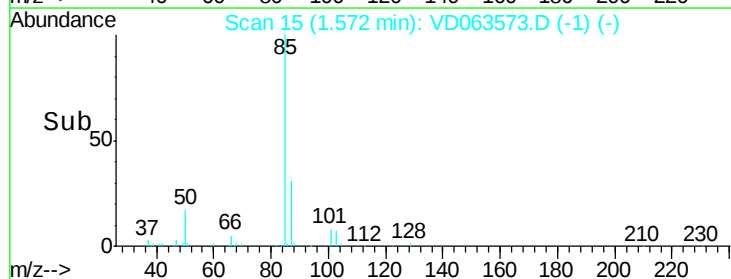
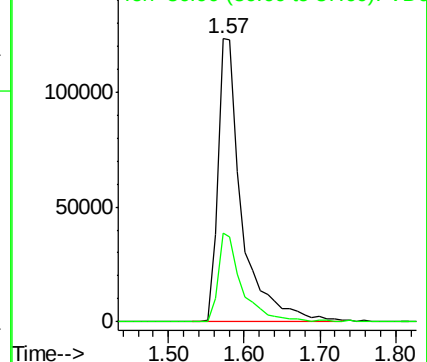
85 100

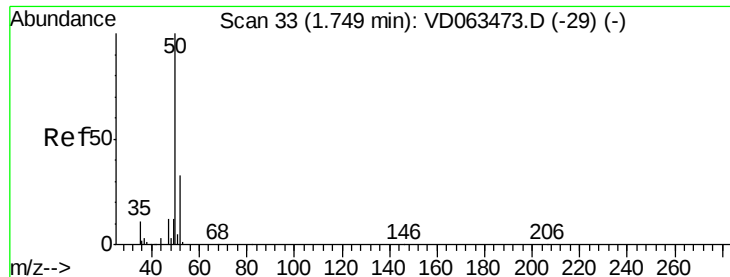
87 31.2 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.812 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

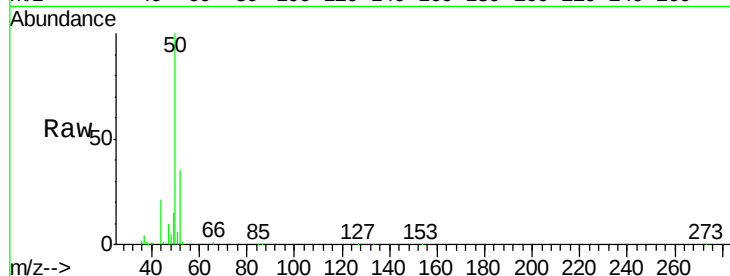
ClientSampleId :

Tot Ion: 50 Resp: 222995

Ion Ratio Lower Upper

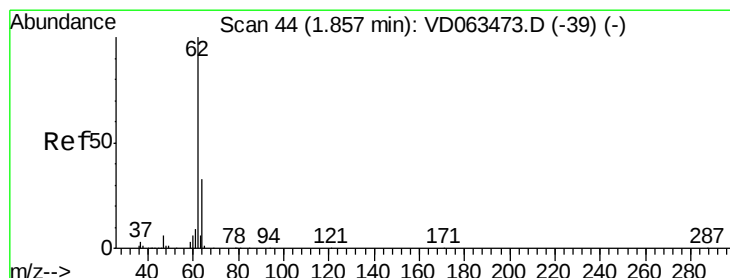
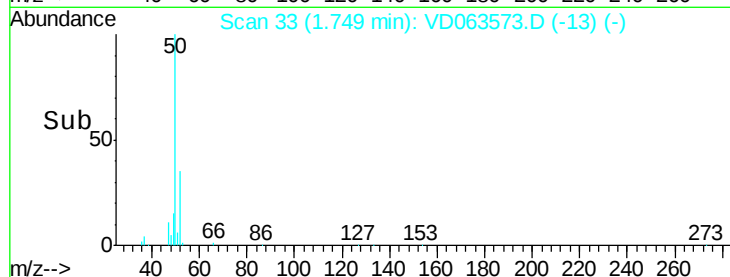
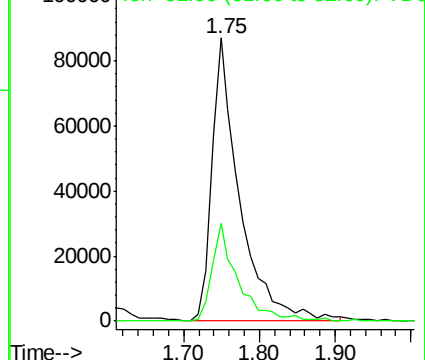
50 100

52 34.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.428 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063573.D

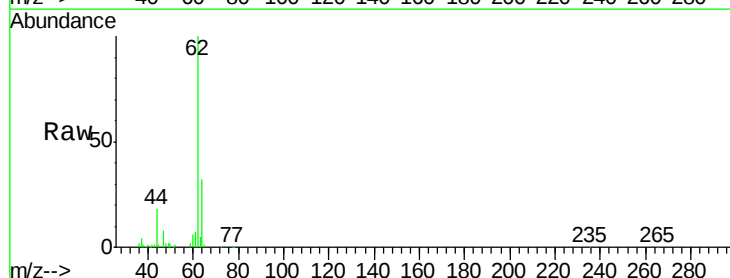
Acq: 14 Aug 2019 14:55

Tgt Ion: 62 Resp: 217469

Ion Ratio Lower Upper

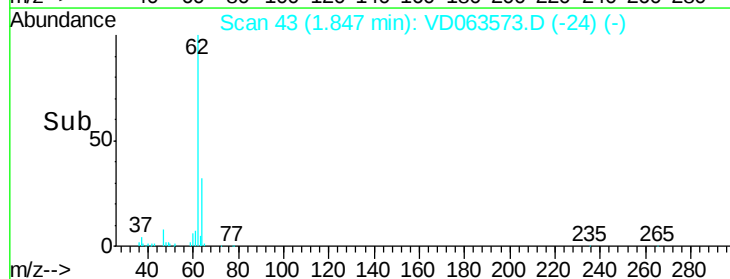
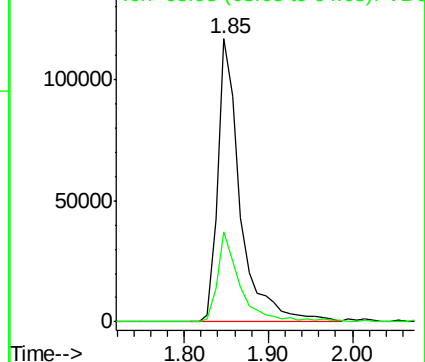
62 100

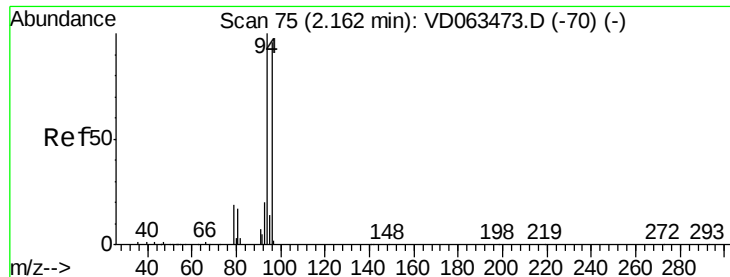
64 31.8 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.275 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

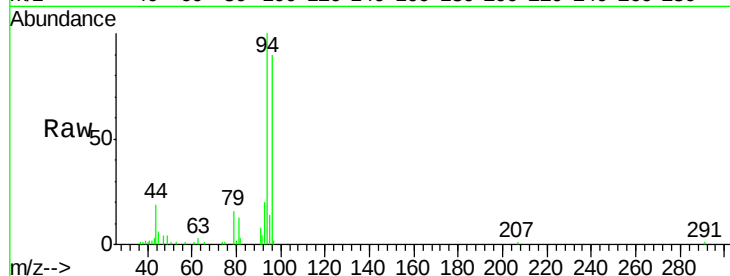
Tot Ion: 94 Resp: 87517

Ion Ratio Lower Upper

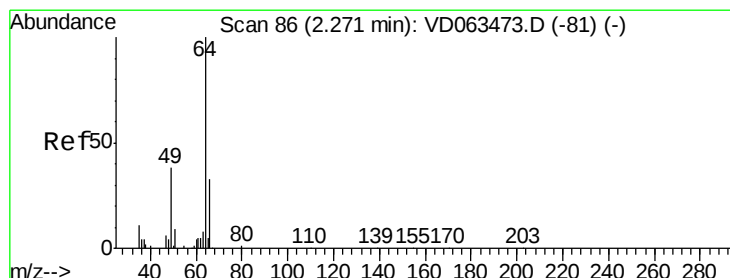
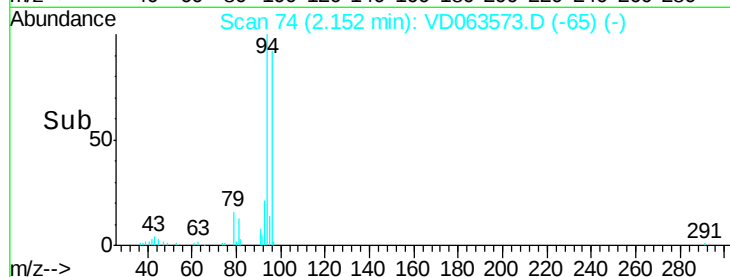
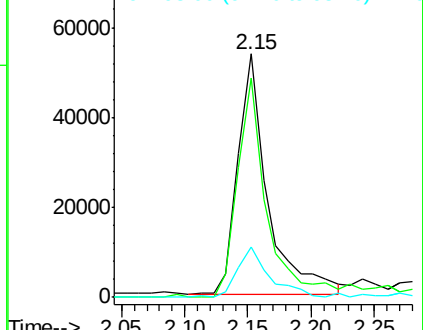
94 100

96 90.3 76.5 114.7

93 20.5 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.939 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063573.D

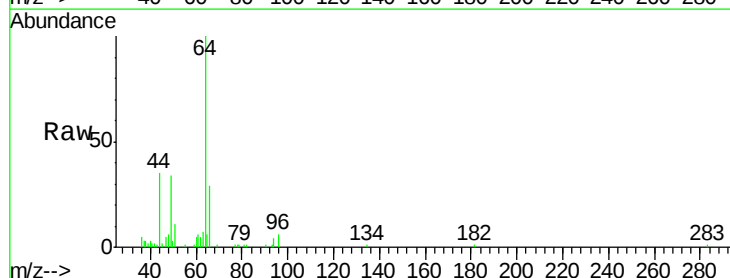
Acq: 14 Aug 2019 14:55

Tgt Ion: 64 Resp: 92539

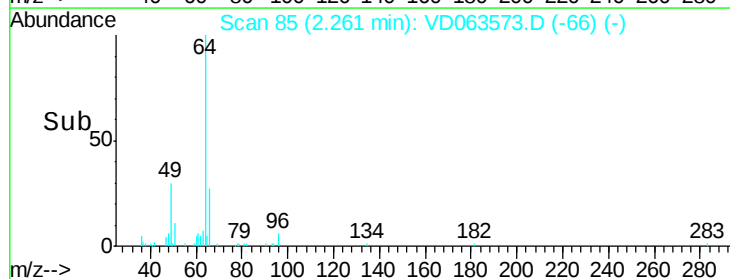
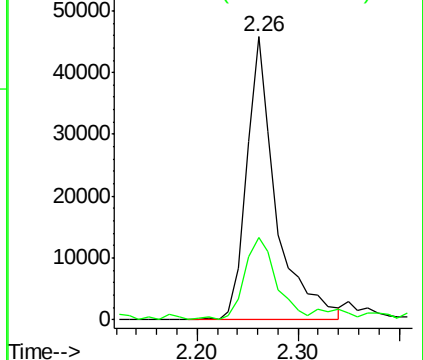
Ion Ratio Lower Upper

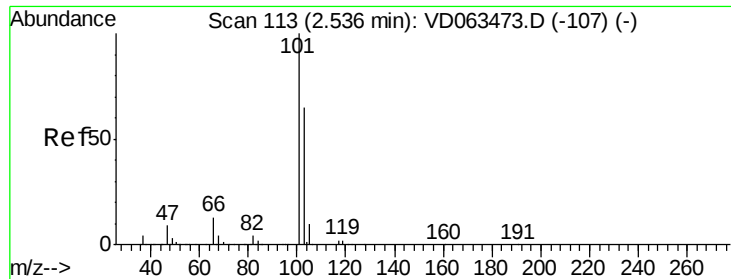
64 100

66 28.9 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



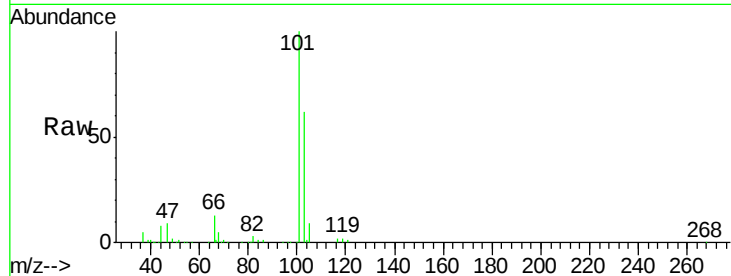


#7

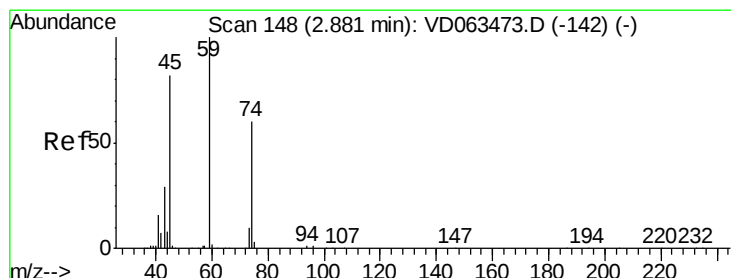
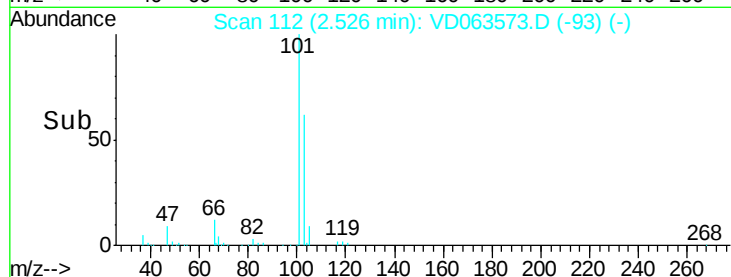
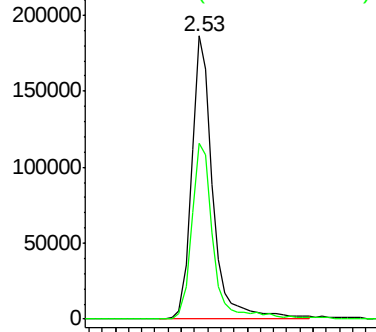
Trichlorofluoromethane
Concen: 21.067 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 419385
Ion Ratio Lower Upper
101 100
103 62.1 52.2 78.4



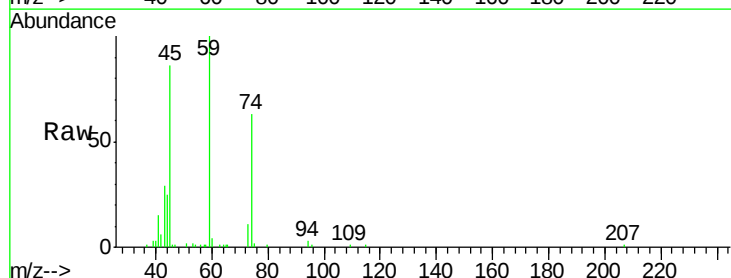
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



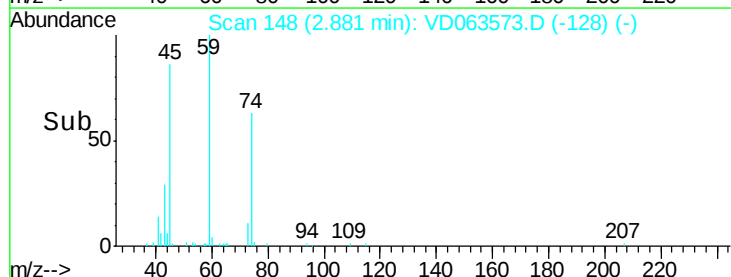
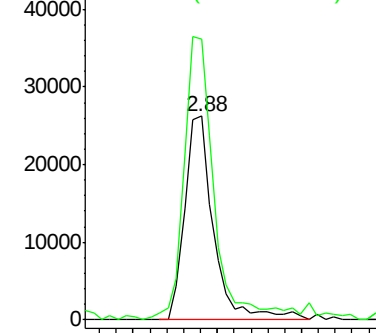
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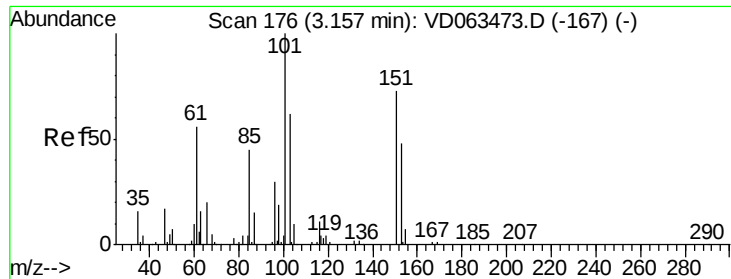
Diethyl Ether
Concen: 22.226 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 74 Resp: 62469
Ion Ratio Lower Upper
74 100
45 137.9 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.195 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampled :

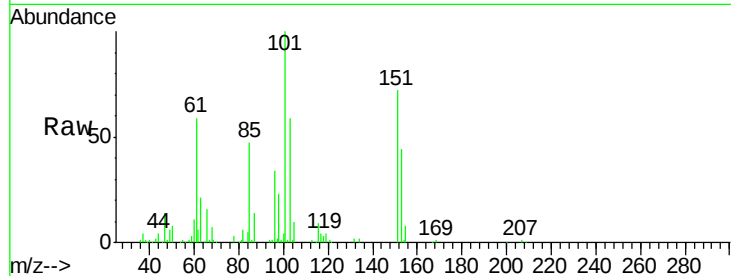
Tot Ion:101 Resp: 260889

Ion Ratio Lower Upper

101 100

85 46.7 35.8 53.6

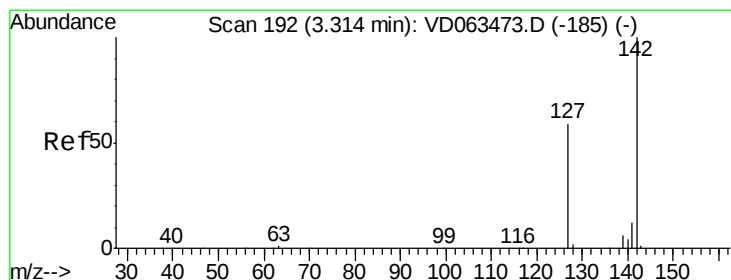
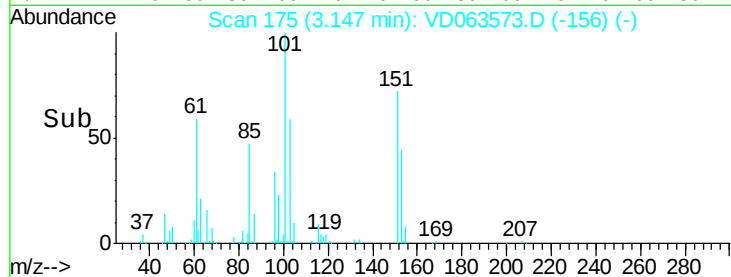
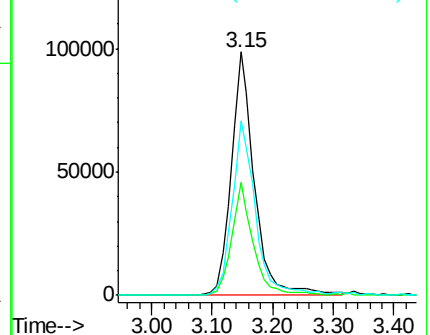
151 71.7 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.454 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

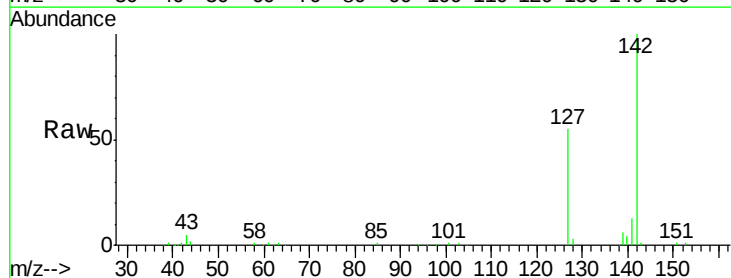
Tgt Ion:142 Resp: 290299

Ion Ratio Lower Upper

142 100

127 55.5 47.2 70.8

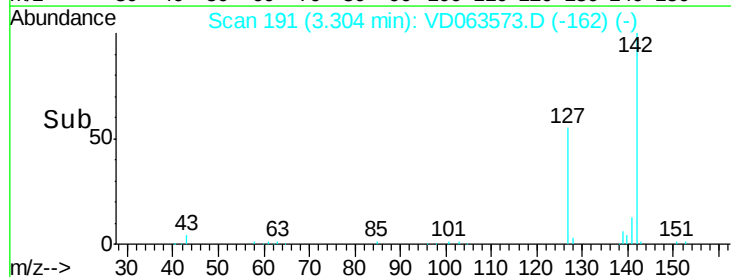
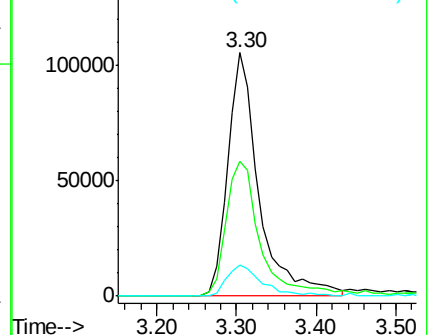
141 12.9 9.8 14.8

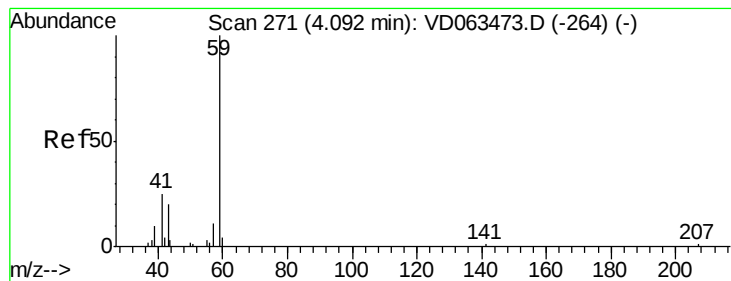


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



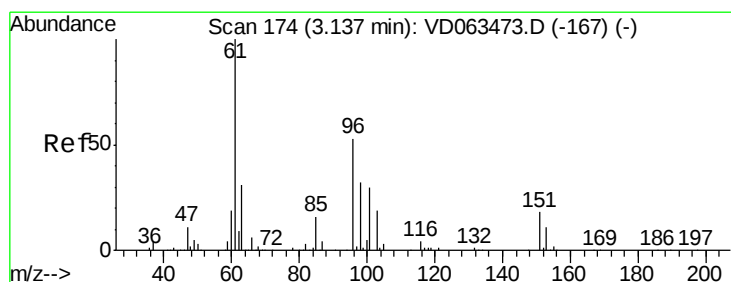
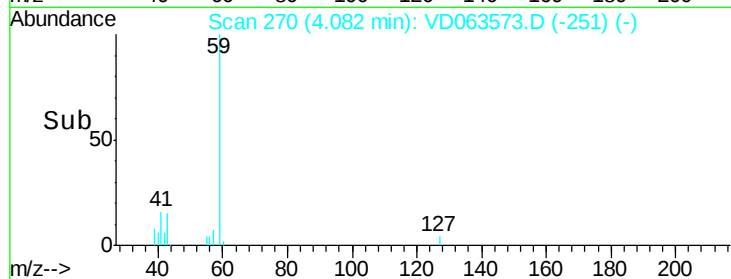
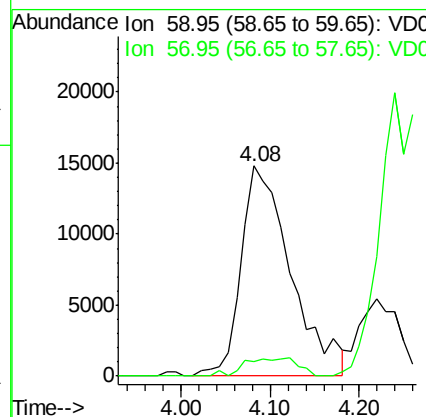
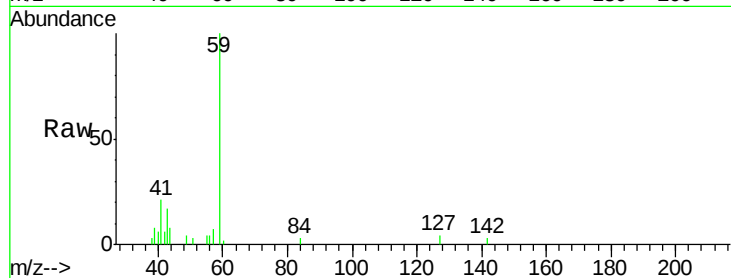


#11

Tert butyl alcohol
Concen: 113.946 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Instrument :
MSVOA_D
ClientSampled :

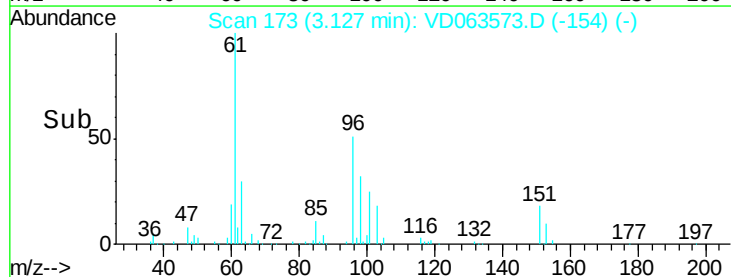
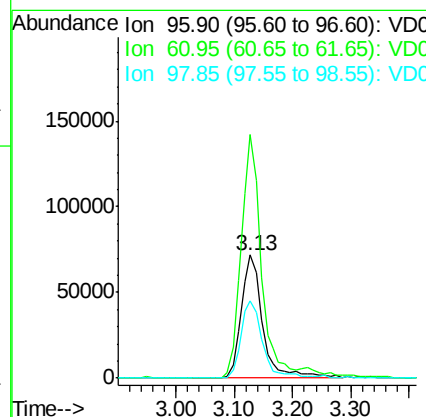
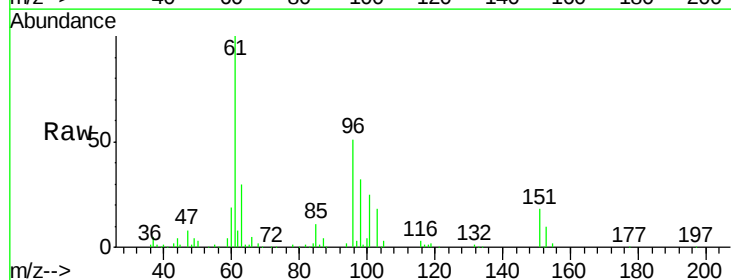
Tot Ion: 59 Resp: 57346
Ion Ratio Lower Upper
59 100
57 7.0 8.7 13.1#

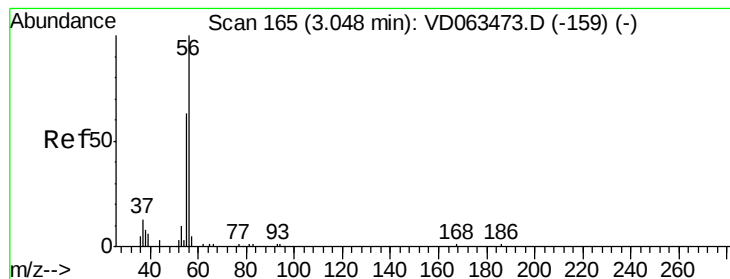


#12

1,1-Dichloroethene
Concen: 21.088 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 96 Resp: 184293
Ion Ratio Lower Upper
96 100
61 197.7 151.7 227.5
98 63.2 48.4 72.6





#13

Acrolein

Concen: 87.258 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

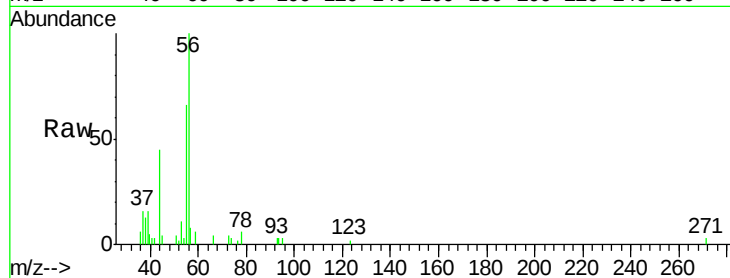
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 43226

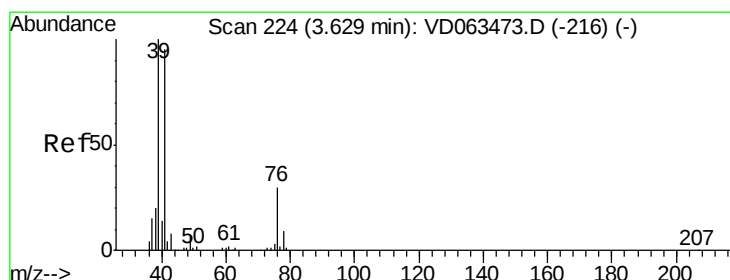
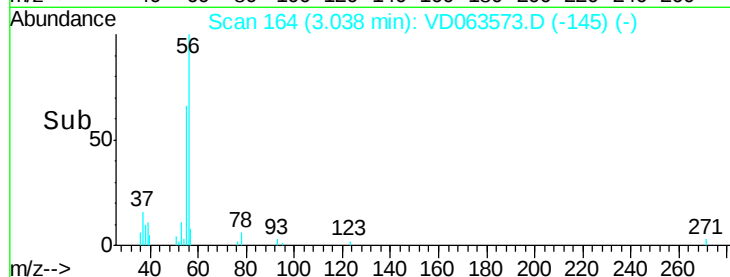
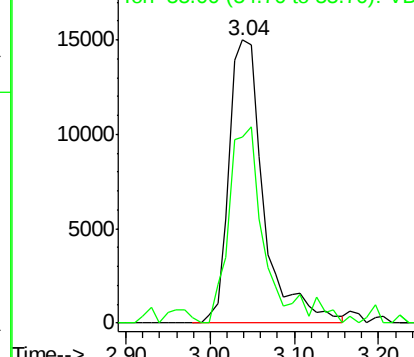
Ion Ratio Lower Upper

56 100

55 65.6 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.101 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

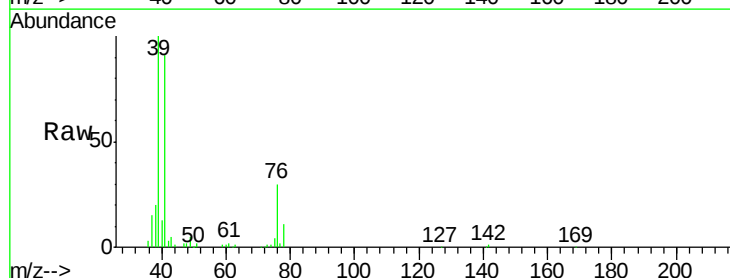
Tgt Ion: 41 Resp: 277228

Ion Ratio Lower Upper

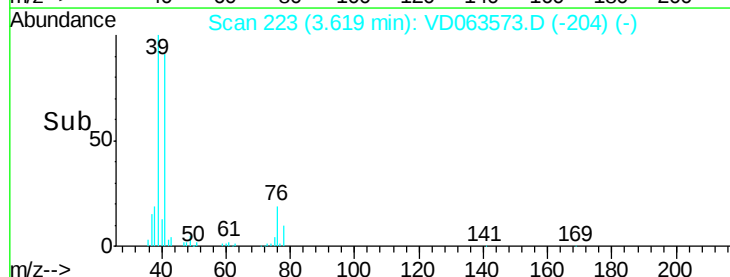
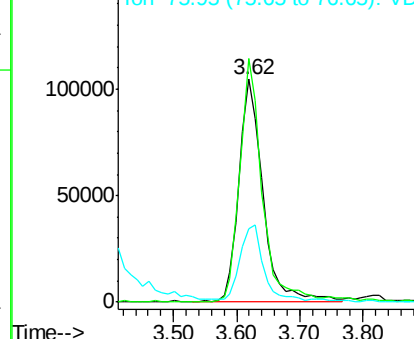
41 100

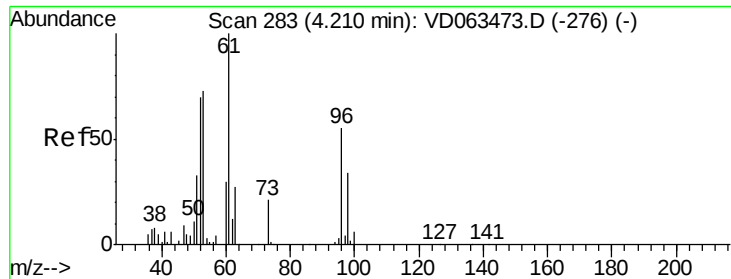
39 109.3 84.2 126.4

76 33.1 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 108.729 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :
MSVOA_D
ClientSampled :

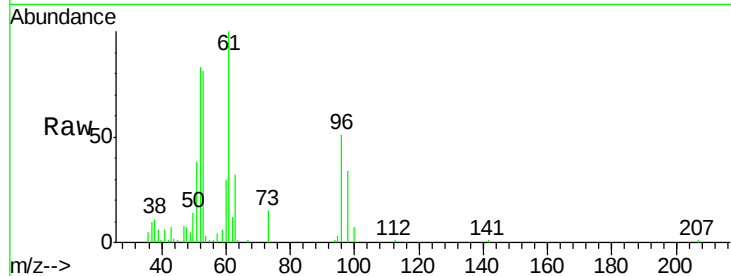
Tot Ion: 53 Resp: 144942

Ion Ratio Lower Upper

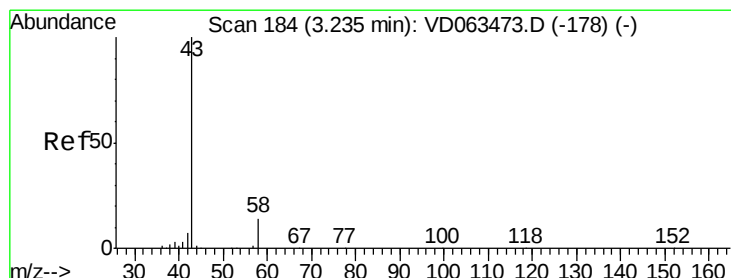
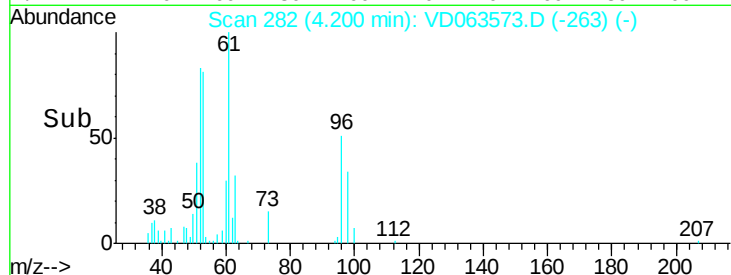
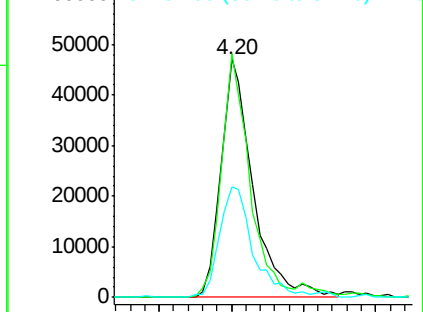
53 100

52 102.1 77.4 116.0

51 46.1 36.7 55.1



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



#16

Acetone

Concen: 99.796 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063573.D

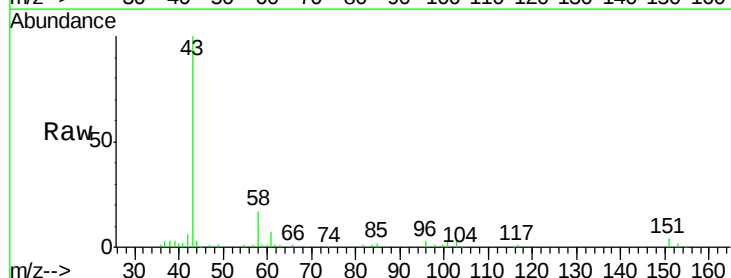
Acq: 14 Aug 2019 14:55

Tgt Ion: 43 Resp: 234534

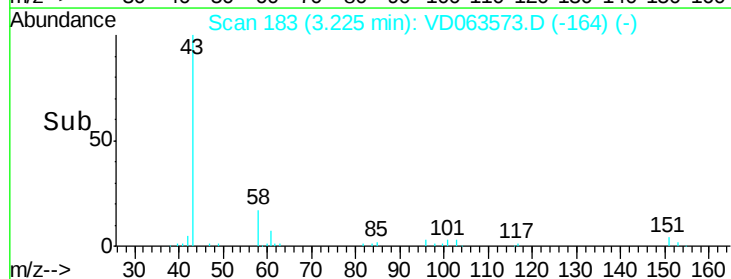
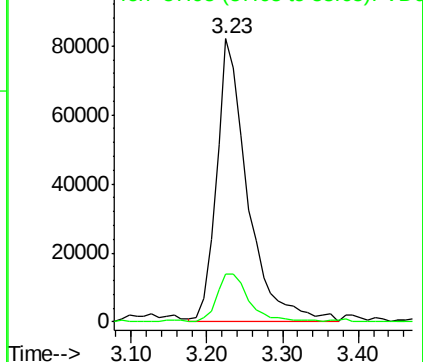
Ion Ratio Lower Upper

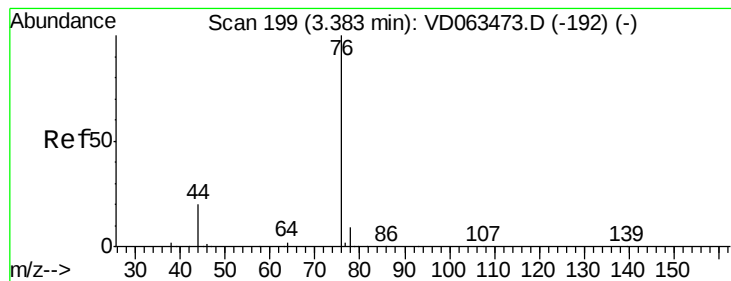
43 100

58 17.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.674 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

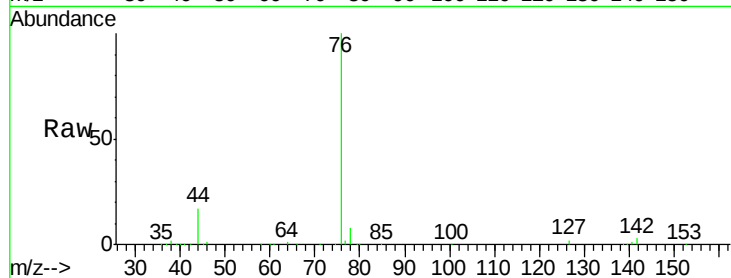
ClientSampleId :

Tot Ion: 76 Resp: 570217

Ion Ratio Lower Upper

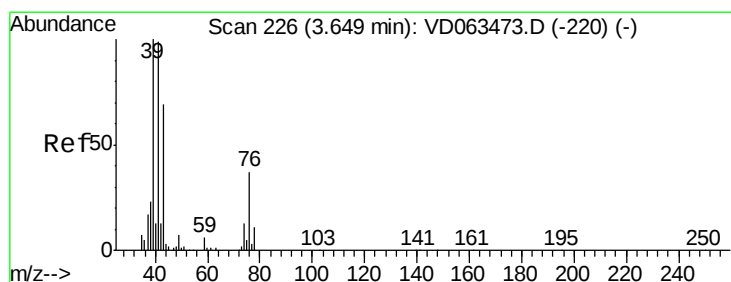
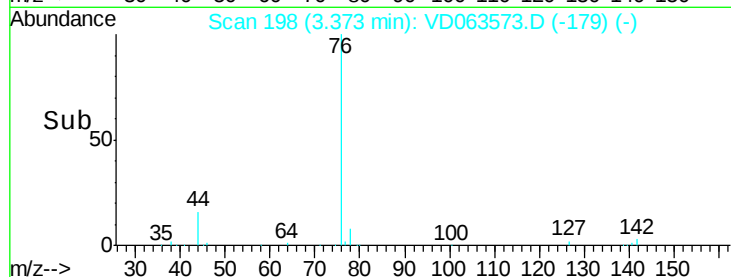
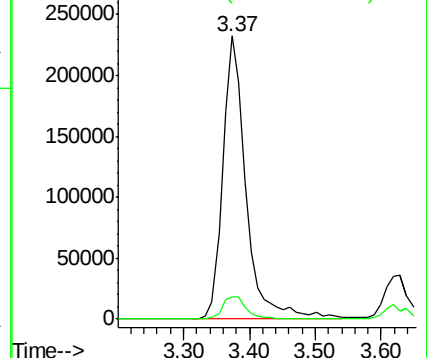
76 100

78 8.0 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.666 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD063573.D

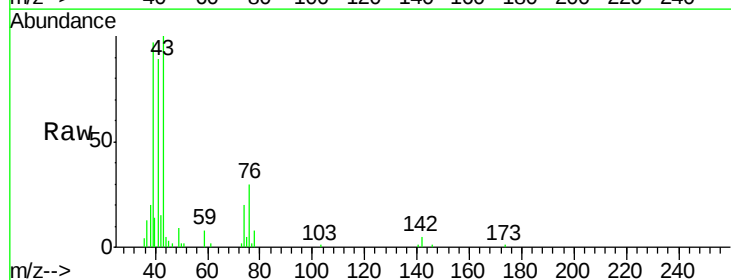
Acq: 14 Aug 2019 14:55

Tgt Ion: 43 Resp: 96447

Ion Ratio Lower Upper

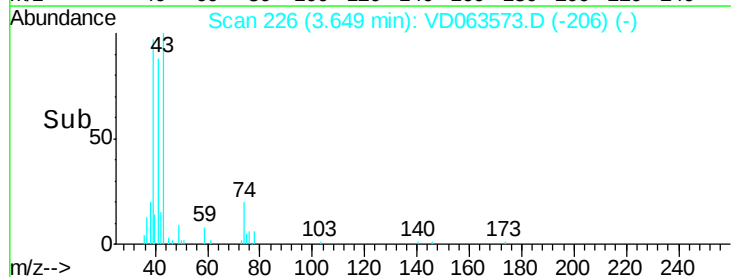
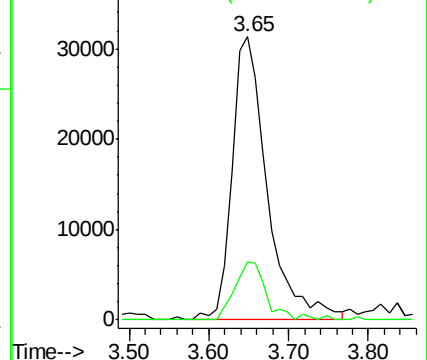
43 100

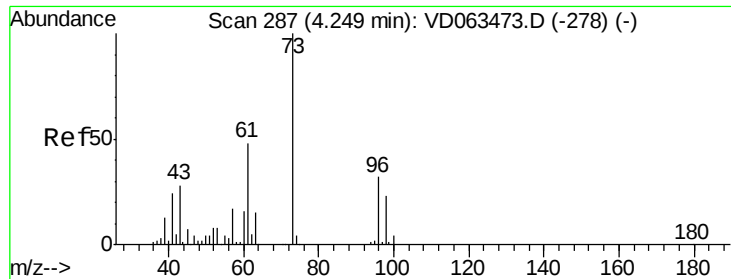
74 20.3 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

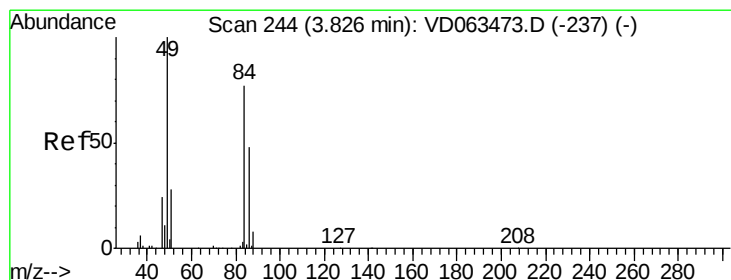
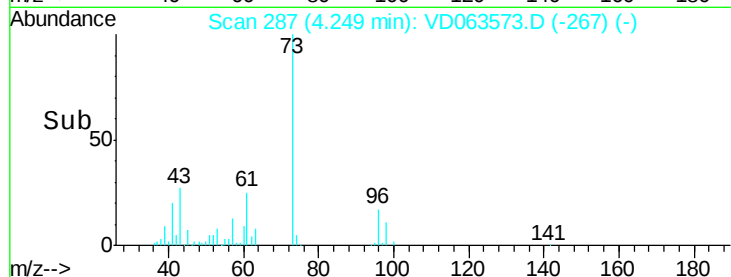
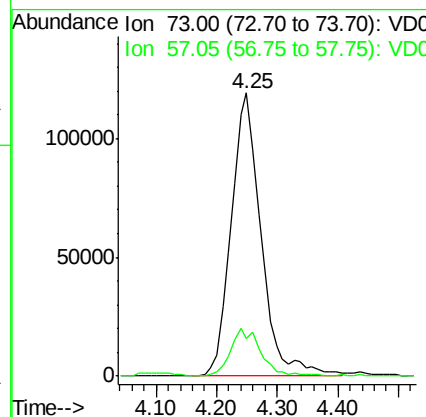
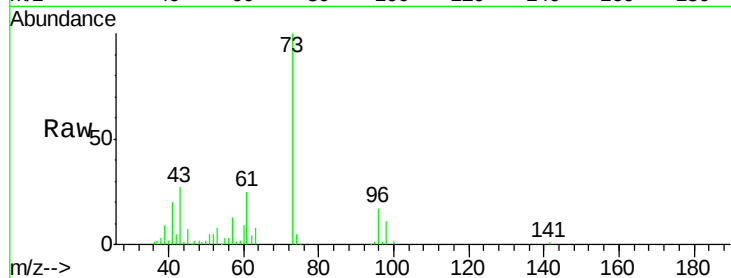




#19
Methvl tert-butvl Ether
Concen: 23.439 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

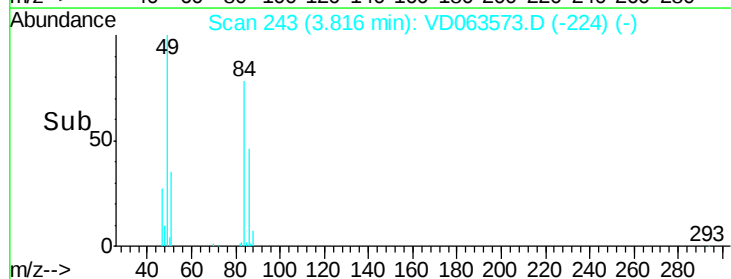
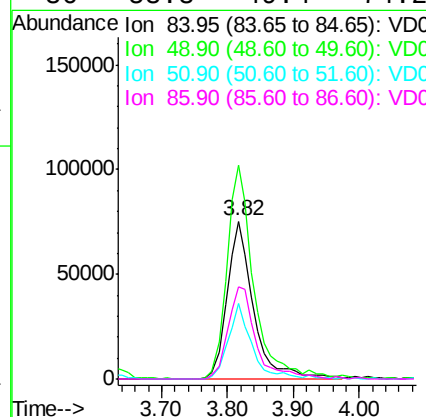
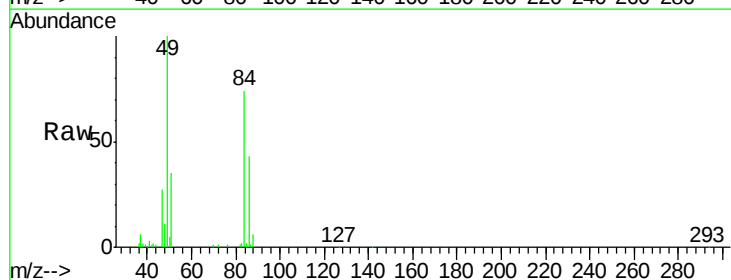
Instrument :
MSVOA_D
ClientSampleId :

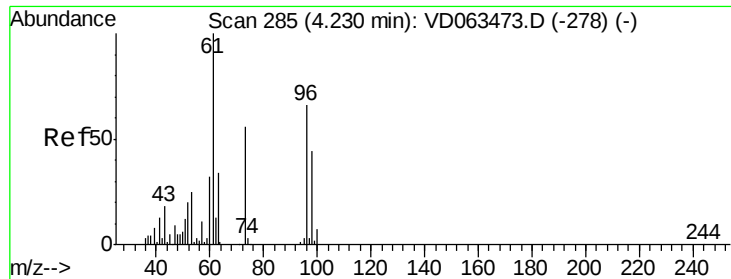
Tot Ion: 73 Resp: 409663
Ion Ratio Lower Upper
73 100
57 13.1 14.0 21.0#



#20
Methylene Chloride
Concen: 20.683 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 84 Resp: 210186
Ion Ratio Lower Upper
84 100
49 135.3 103.4 155.2
51 47.7 28.5 42.7#
86 58.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.106 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

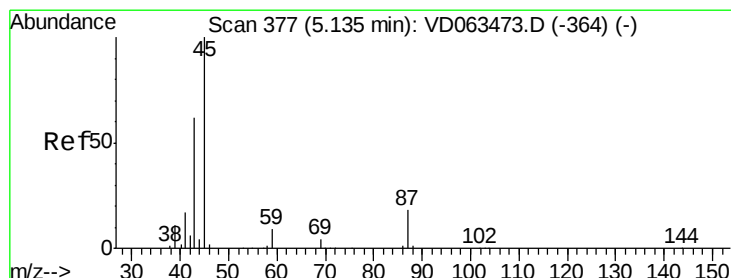
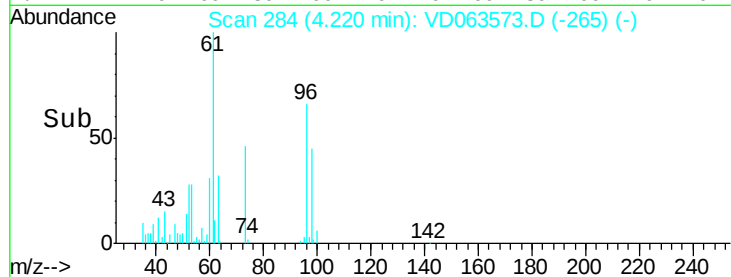
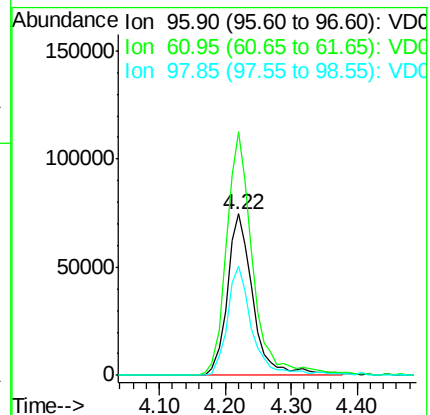
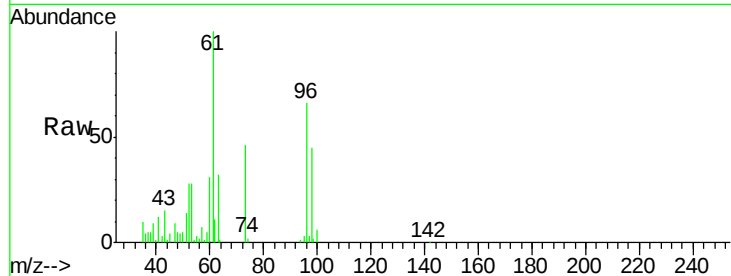
Tot Ion: 96 Resp: 203298

Ion Ratio Lower Upper

96 100

61 150.7 121.7 182.5

98 67.2 54.2 81.2



#22

Diisopropyl ether

Concen: 20.579 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Tgt Ion: 45 Resp: 557901

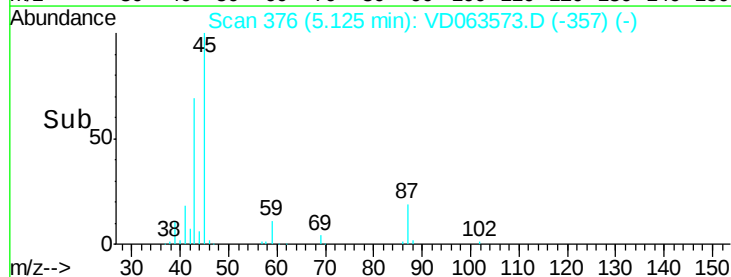
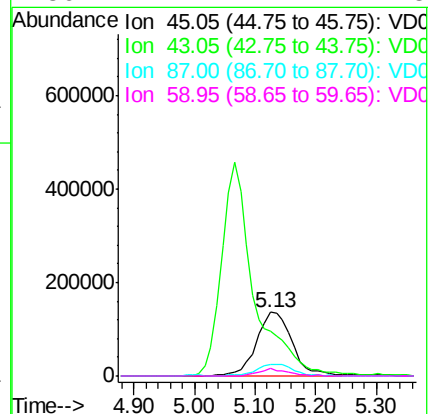
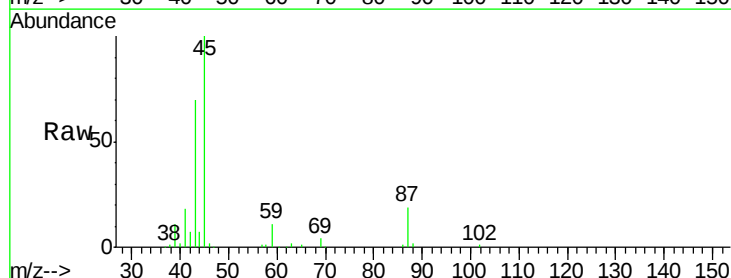
Ion Ratio Lower Upper

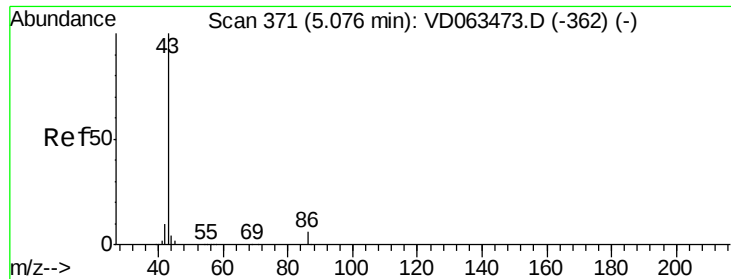
45 100

43 69.6 50.3 75.5

87 19.0 14.3 21.5

59 11.4 7.7 11.5





#23

Vinyl Acetate

Concen: 108.085 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

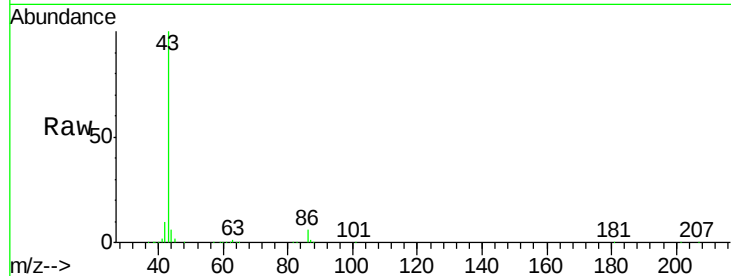
ClientSampleId :

Tot Ion: 43 Resp: 1703494

Ion Ratio Lower Upper

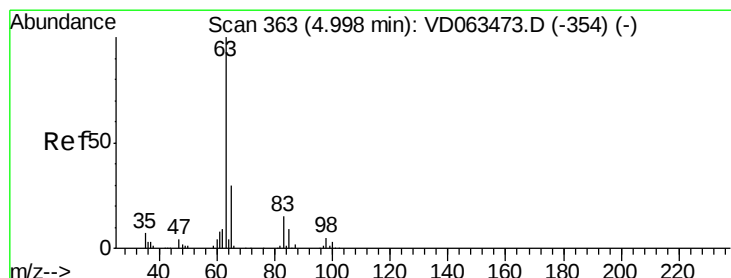
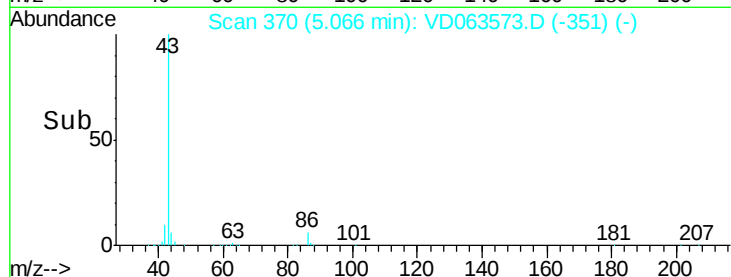
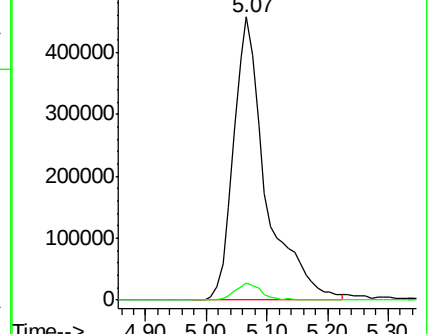
43 100

86 6.2 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.123 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

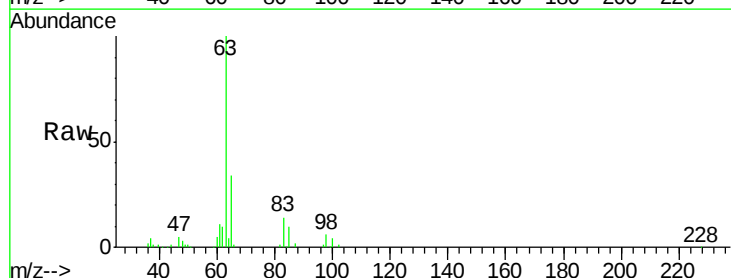
Tgt Ion: 63 Resp: 371998

Ion Ratio Lower Upper

63 100

98 6.4 2.4 7.2

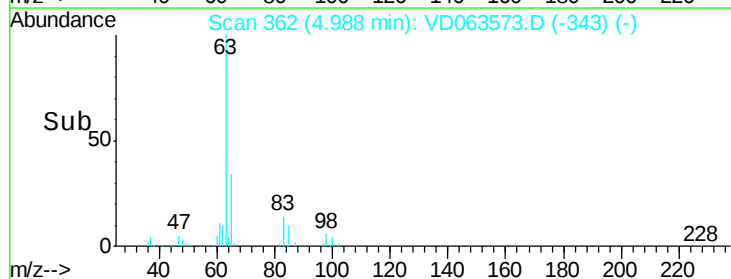
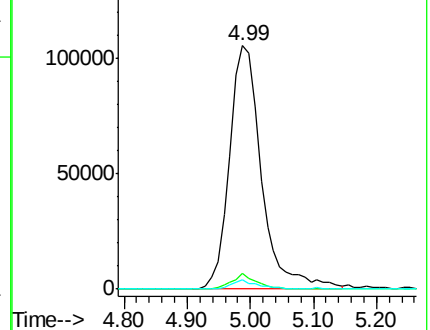
100 3.8 1.3 3.8#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 98.412 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

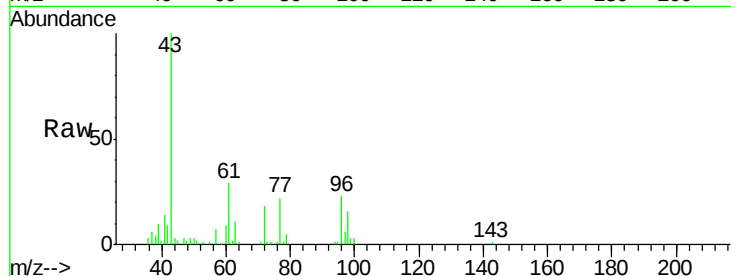
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 228421

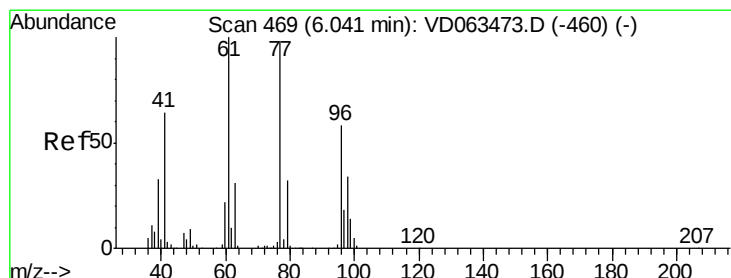
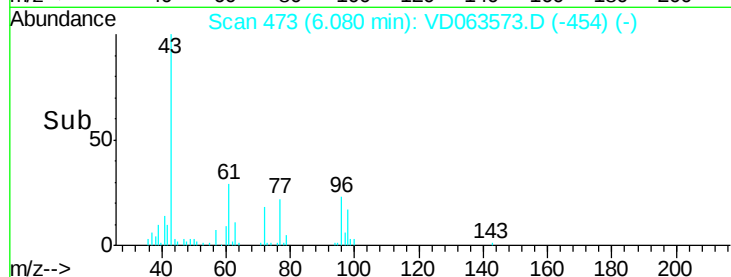
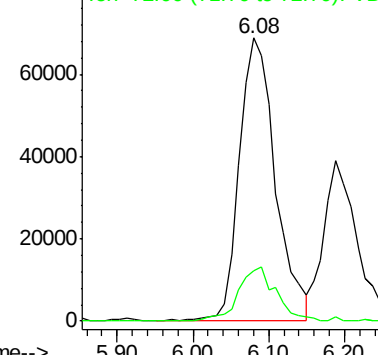
Ion Ratio Lower Upper

43 100

72 17.7 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.578 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063573.D

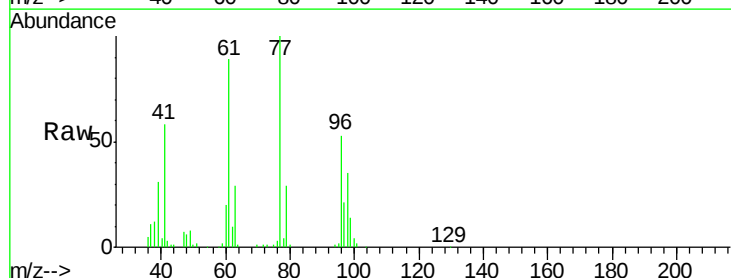
Acq: 14 Aug 2019 14:55

Tgt Ion: 77 Resp: 361386

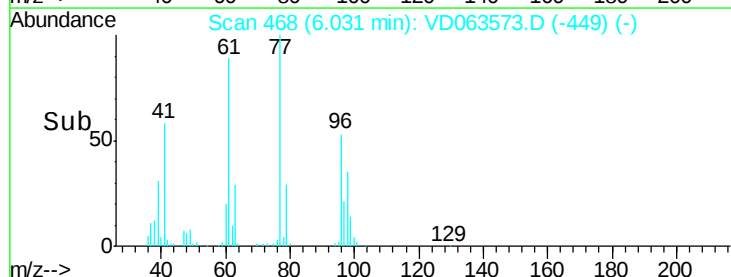
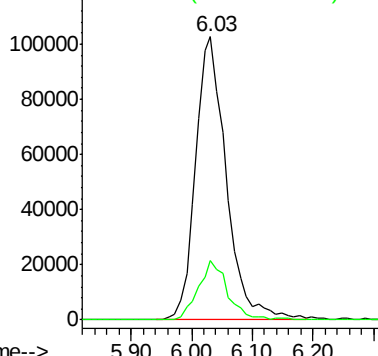
Ion Ratio Lower Upper

77 100

97 21.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



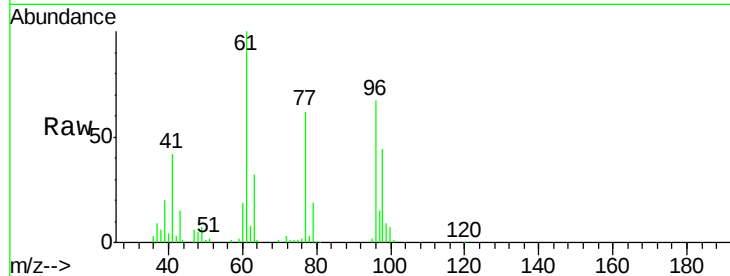


#27

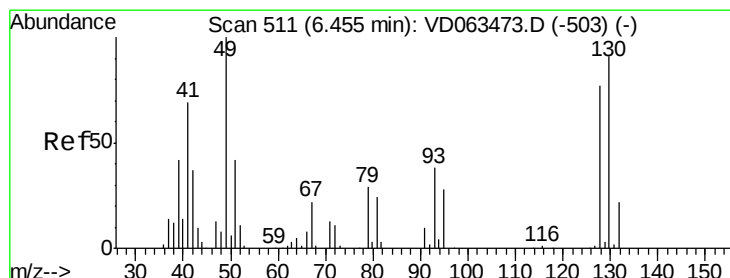
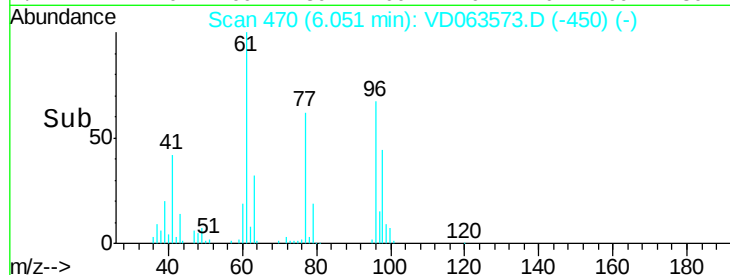
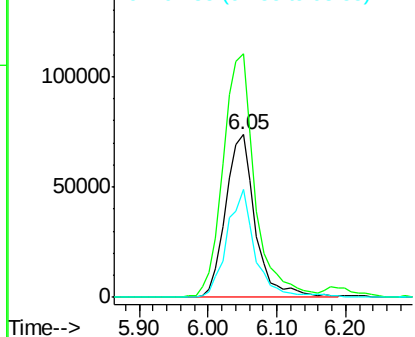
cis-1,2-Dichloroethene
Concen: 21.832 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	219678
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	304.0
98	66.2	0.0	124.8



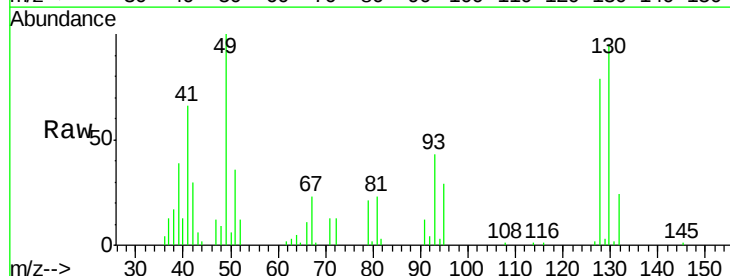
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



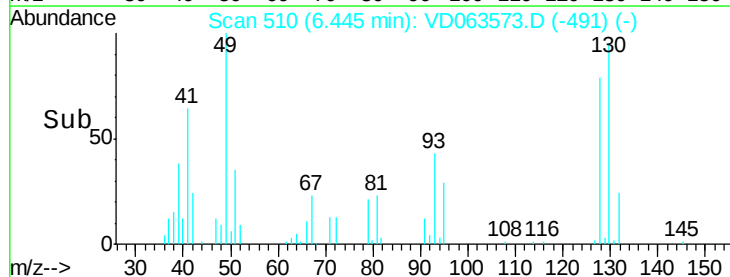
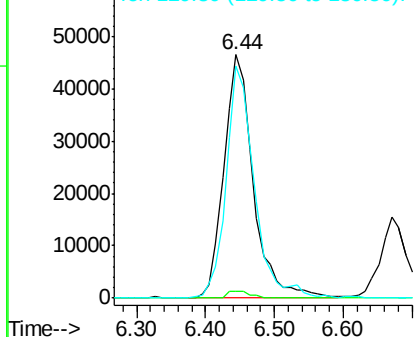
#28

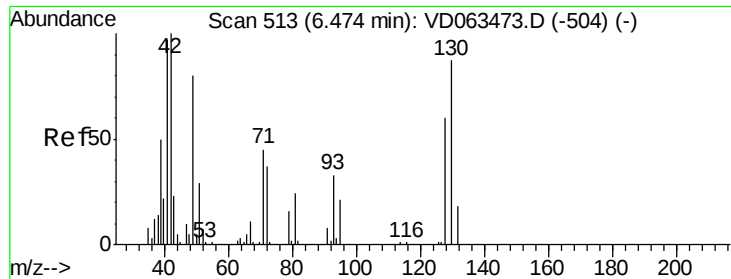
Bromochloromethane
Concen: 20.204 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion	49	Resp	137683
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	6.4
130	95.3	72.4	108.6



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

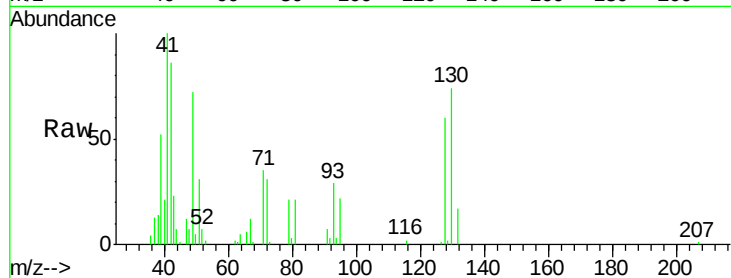




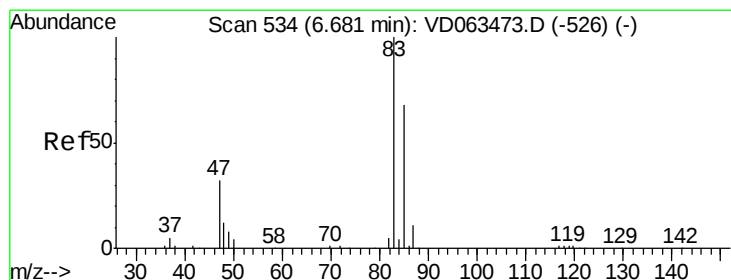
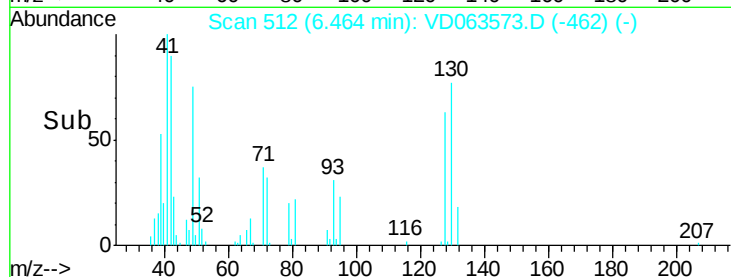
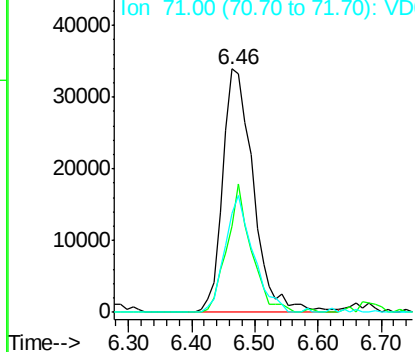
#29
Tetrahydrofuran
Concen: 105.992 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 114637
Ion Ratio Lower Upper
42 100
72 41.7 31.5 47.3
71 43.6 33.8 50.8

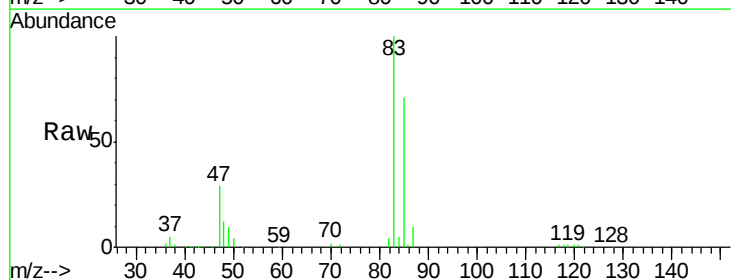


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

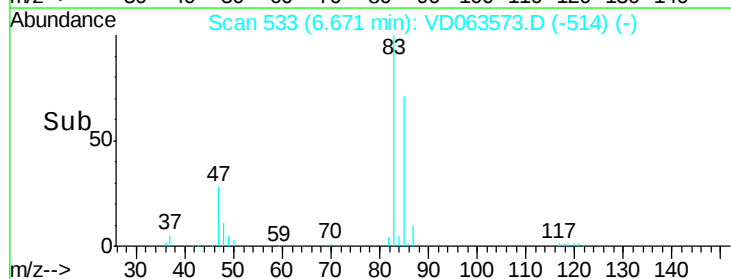
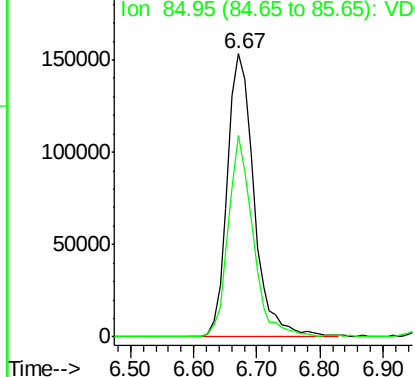


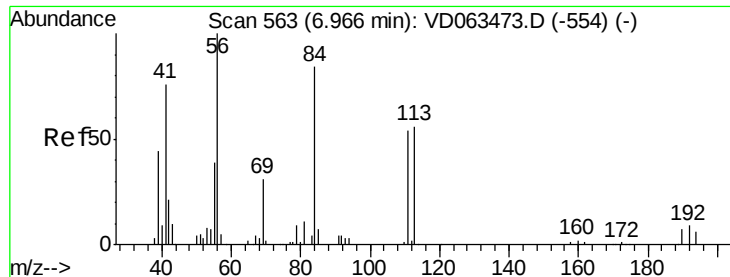
#30
Chloroform
Concen: 21.507 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 83 Resp: 449496
Ion Ratio Lower Upper
83 100
85 71.1 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 20.697 ug/l

RT: 6.97 min Scan# 563

Delta R.T. -0.00 min

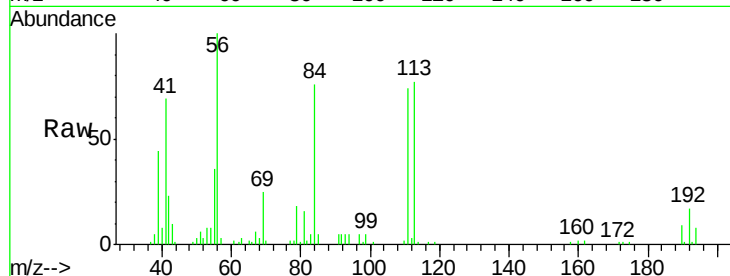
Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

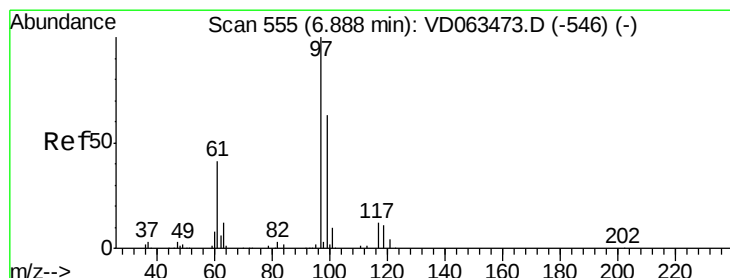
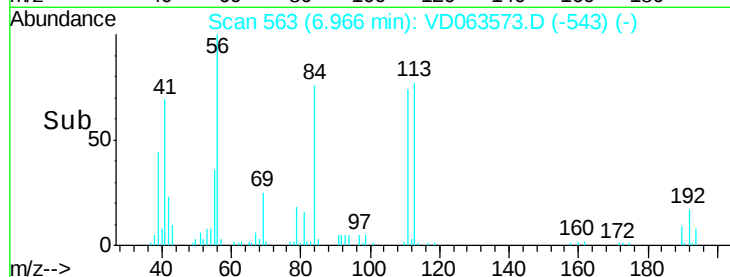
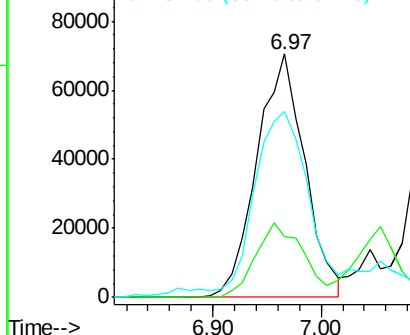
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 216048

Ion	Ratio	Lower	Upper
56	100		
69	24.8	25.0	37.6#
84	76.5	69.7	104.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.865 ug/l

RT: 6.88 min Scan# 554

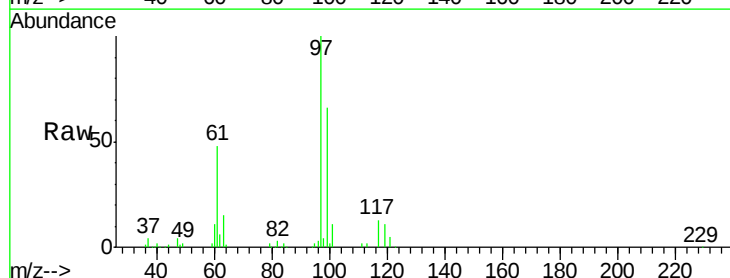
Delta R.T. -0.01 min

Lab File: VD063573.D

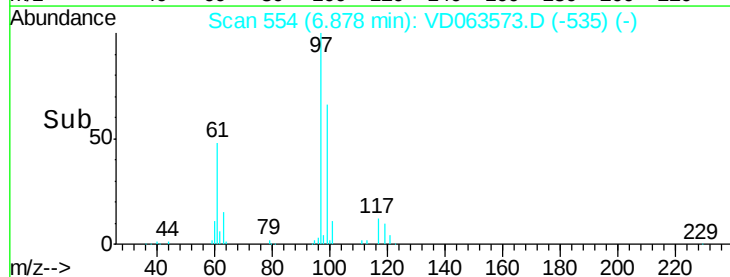
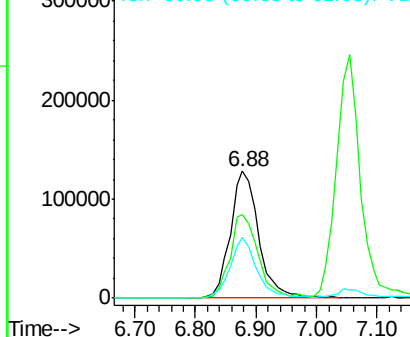
Acq: 14 Aug 2019 14:55

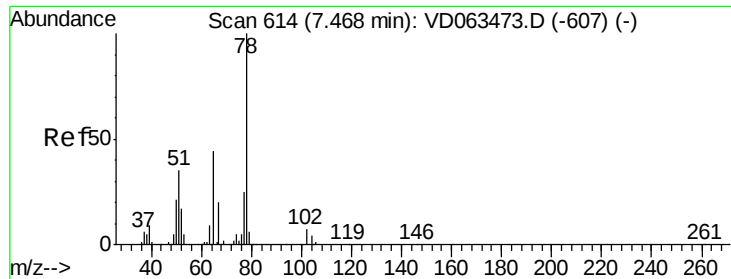
Tgt Ion: 97 Resp: 417158

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.2	75.4
61	47.9	33.1	49.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

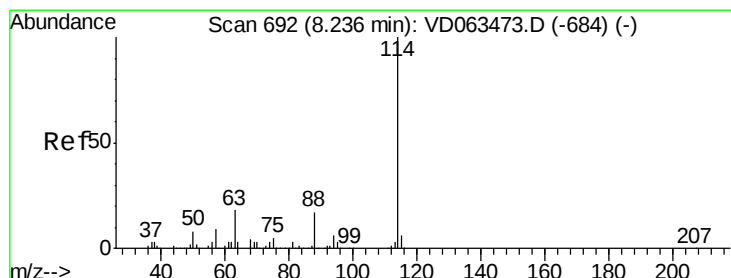
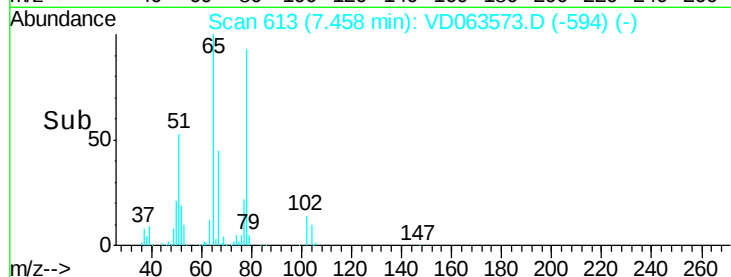
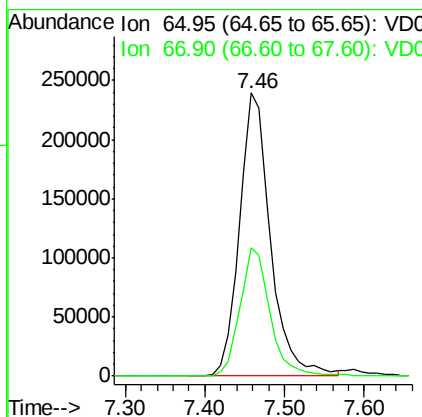
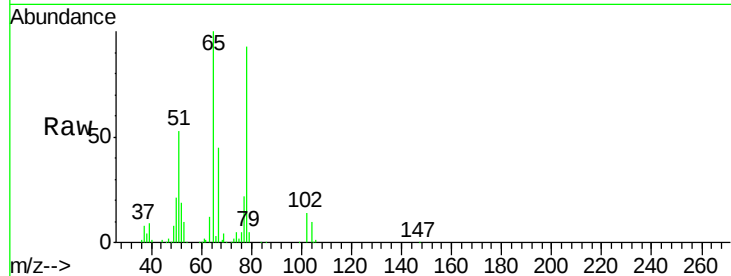




#33
 1,2-Dichloroethane-d4
 Concen: 55.494 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

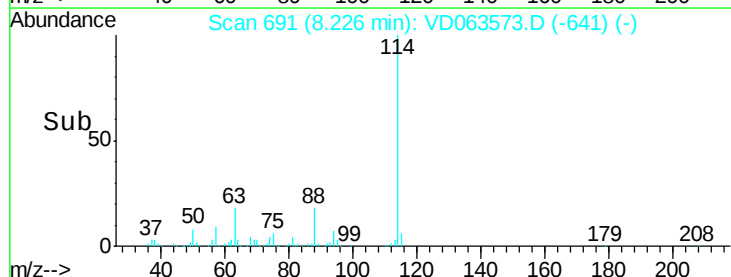
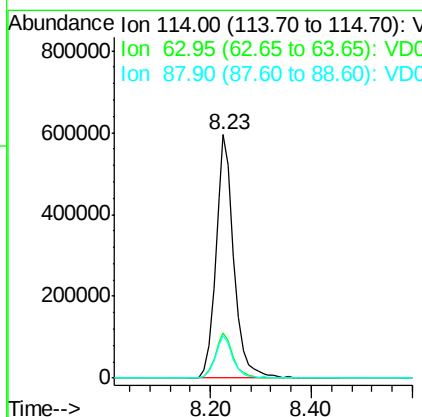
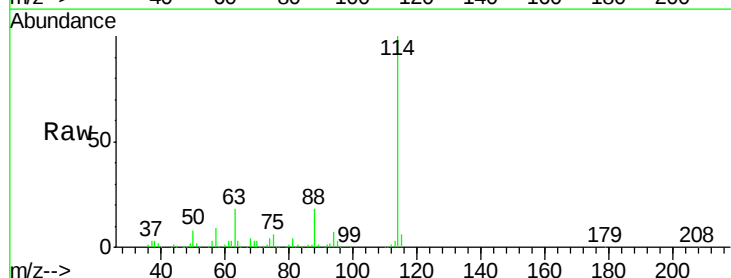
Instrument :
 MSVOA_D
 ClientSampled :

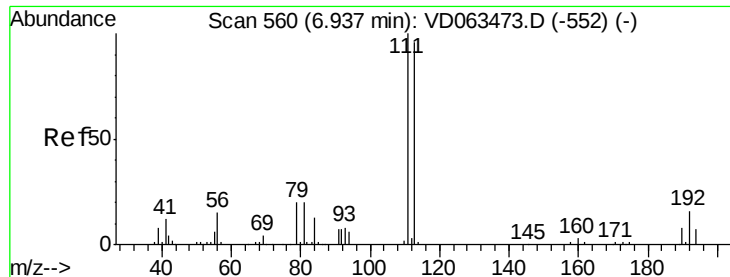
Tot Ion: 65 Resp: 641561
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion: 114 Resp: 1483300
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 17.7 0.0 35.0





#35

Dibromofluoromethane

Concen: 58.951 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

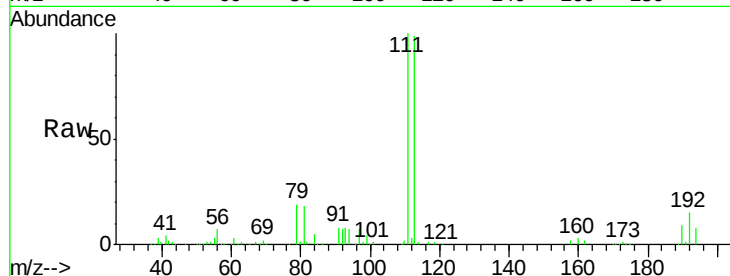
Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

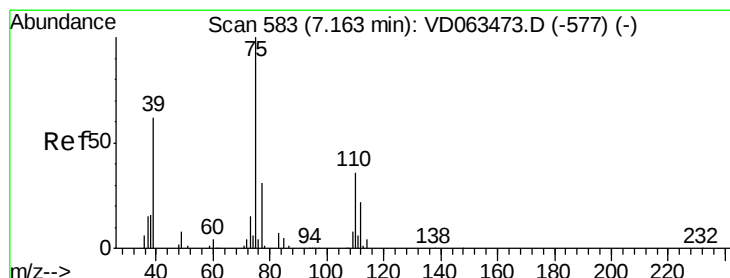
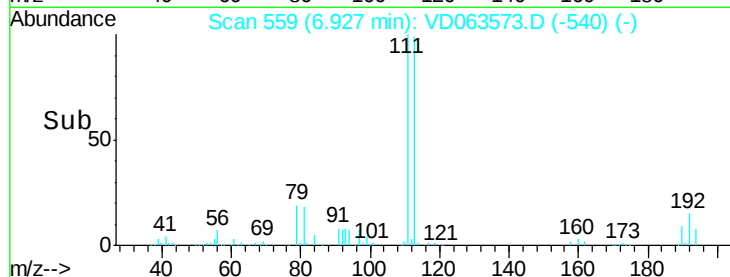
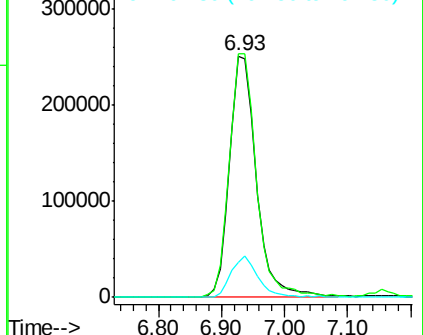
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 736440

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	14.8	13.1	19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.523 ug/l

RT: 7.15 min Scan# 582

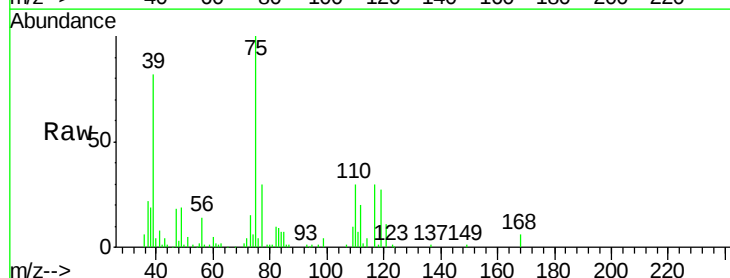
Delta R.T. -0.01 min

Lab File: VD063573.D

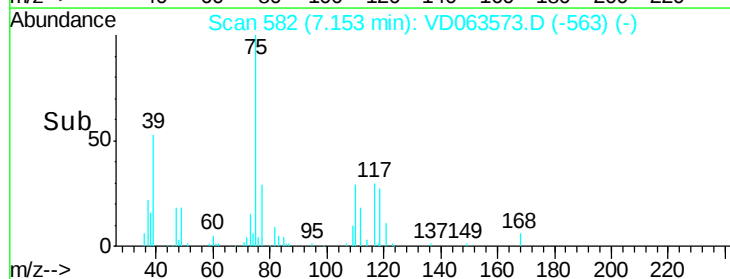
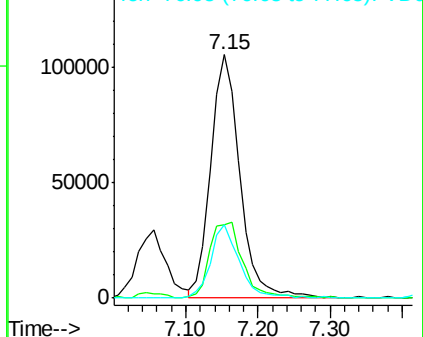
Acq: 14 Aug 2019 14:55

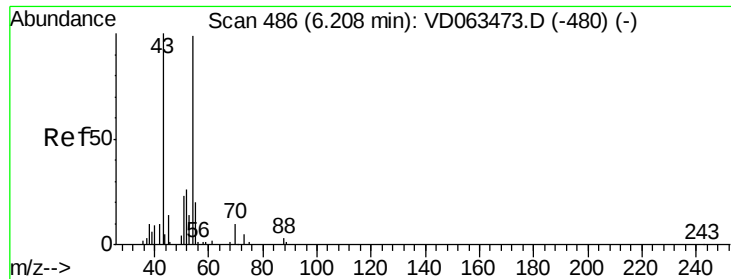
Tgt Ion: 75 Resp: 295333

Ion	Ratio	Lower	Upper
75	100		
110	30.1	17.6	52.8
77	30.1	24.3	36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

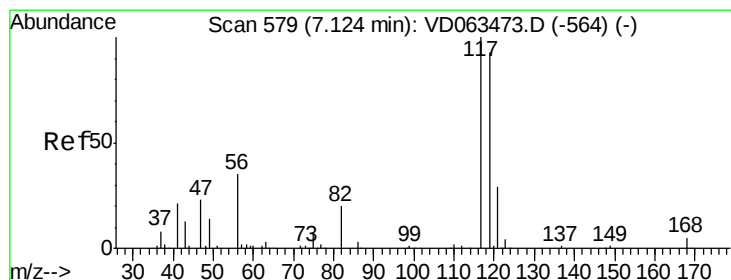
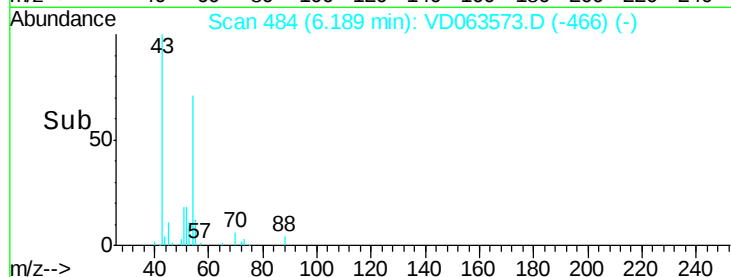
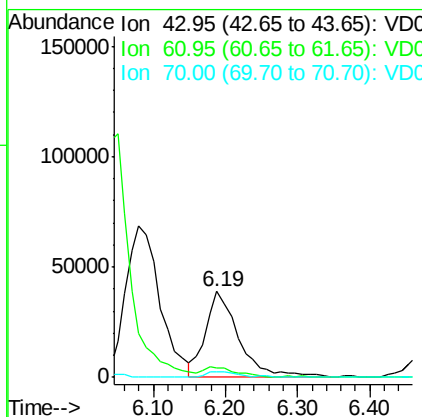
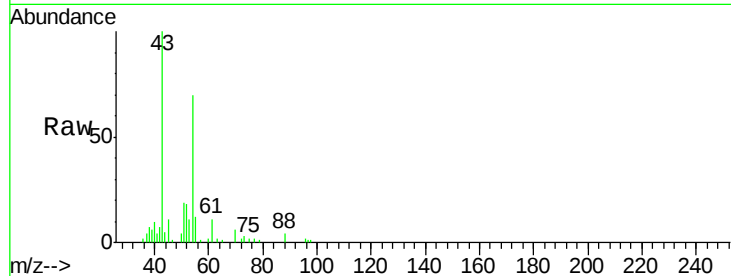




#37
Ethyl Acetate
Concen: 21.910 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

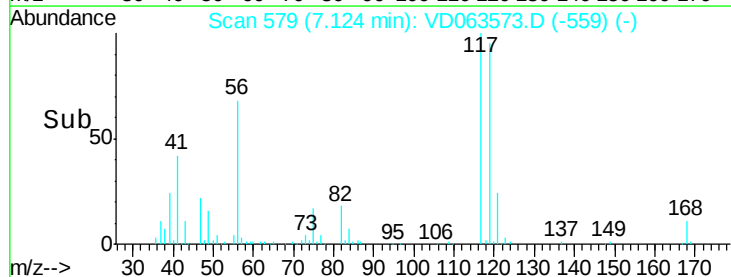
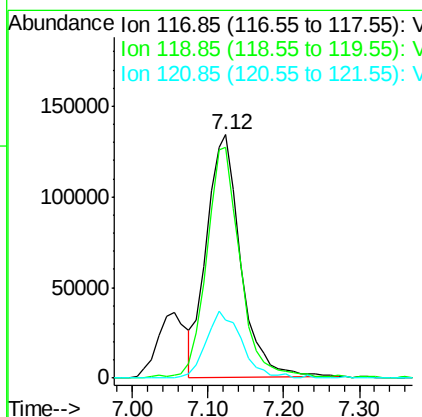
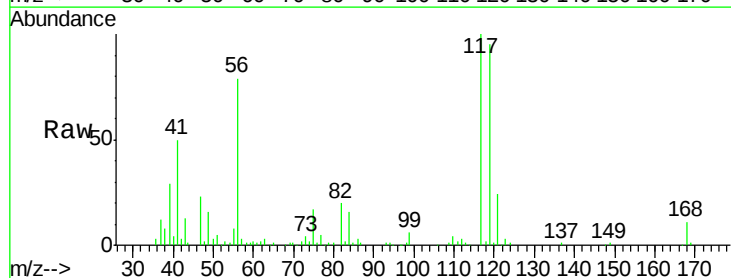
Instrument :
MSVOA_D
ClientSampled :

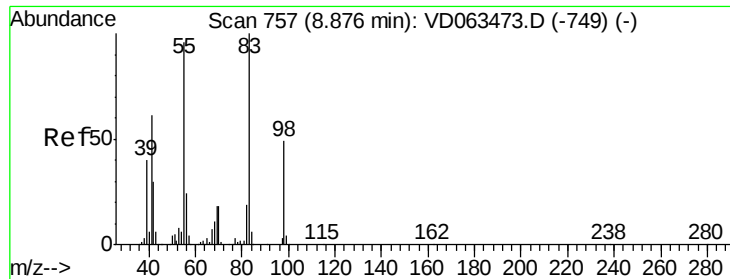
Tot Ion: 43 Resp: 120387
Ion Ratio Lower Upper
43 100
61 11.5 9.0 13.6
70 6.4 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 21.295 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 117 Resp: 420833
Ion Ratio Lower Upper
117 100
119 94.8 74.2 111.2
121 24.0 23.1 34.7

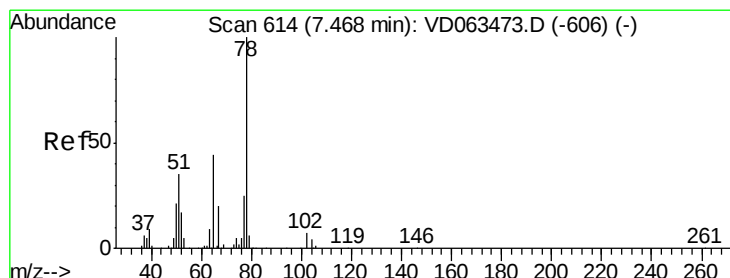
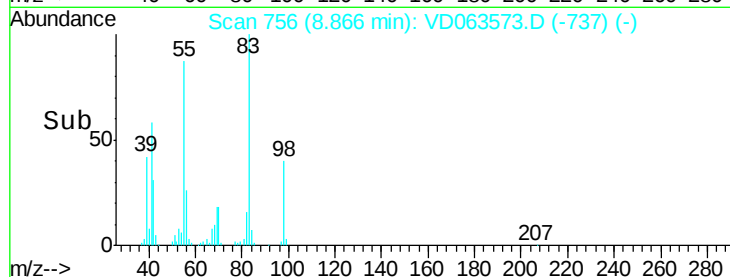
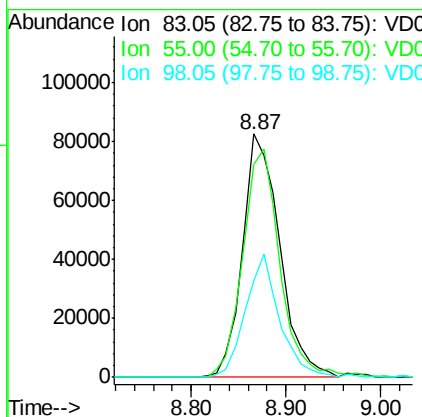
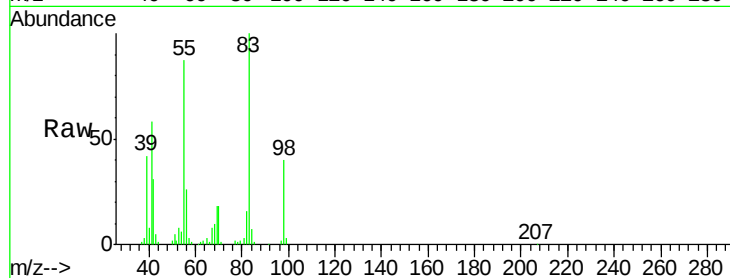




#39
Methylvlcvclohexane
Concen: 20.210 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

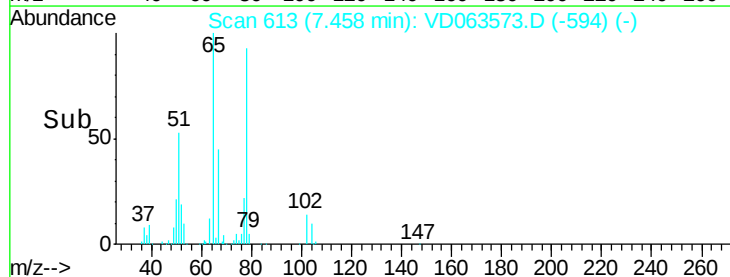
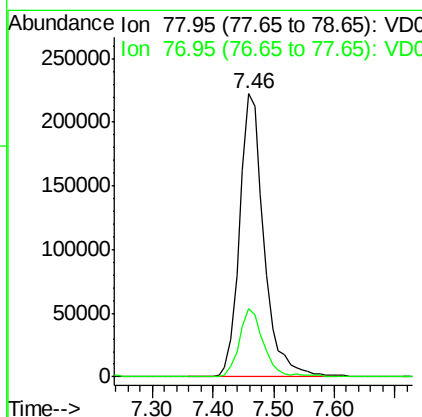
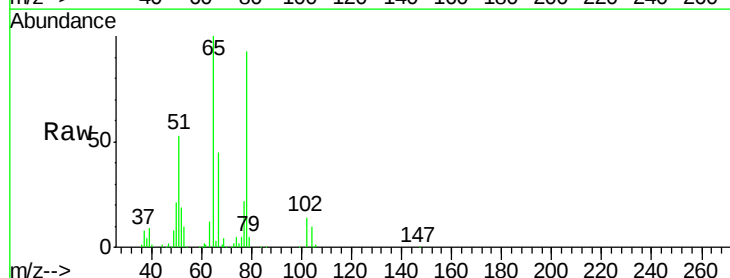
Instrument :
MSVOA_D
ClientSampleId :

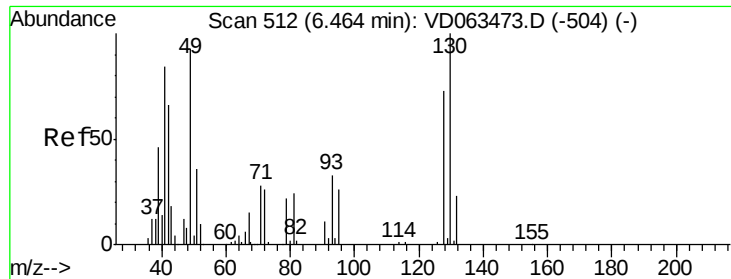
Tot Ion: 83 Resp: 225342
Ion Ratio Lower Upper
83 100
55 87.3 76.6 114.8
98 39.8 39.4 59.0



#40
Benzene
Concen: 21.517 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 78 Resp: 620906
Ion Ratio Lower Upper
78 100
77 24.0 20.1 30.1





#41

Methacrylonitrile

Concen: 22.789 ug/l

RT: 6.46 min Scan# 512

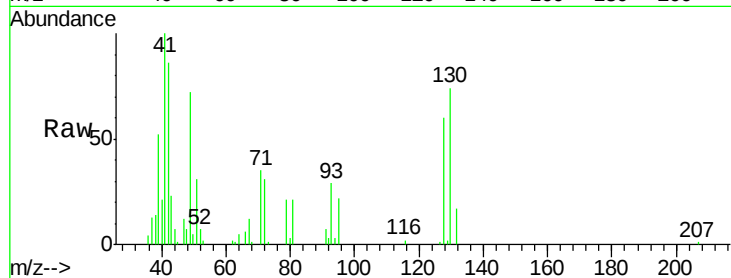
Delta R.T. -0.00 min

Lab File: VD063573.D

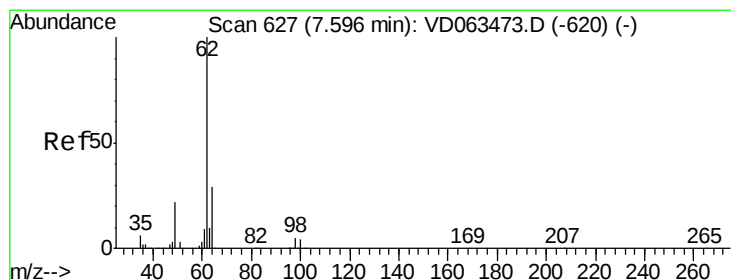
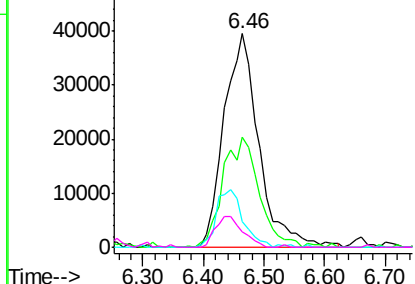
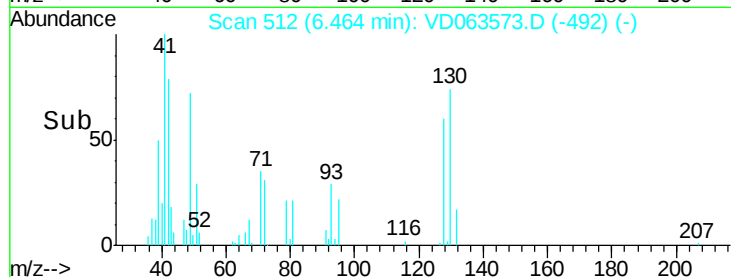
Acq: 14 Aug 2019 14:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	157664
Ion	Ratio	Lower	Upper
41	100		
39	51.5	44.6	66.8
67	12.2	14.4	21.6#
52	7.5	9.3	13.9#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.019 ug/l

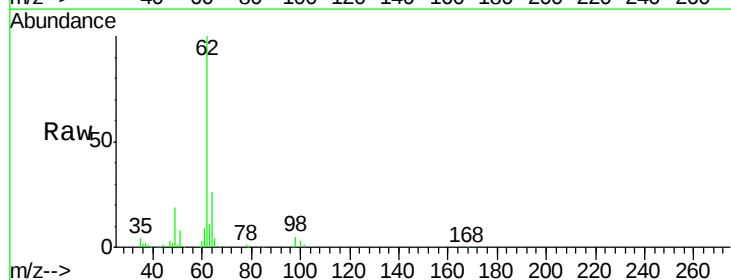
RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

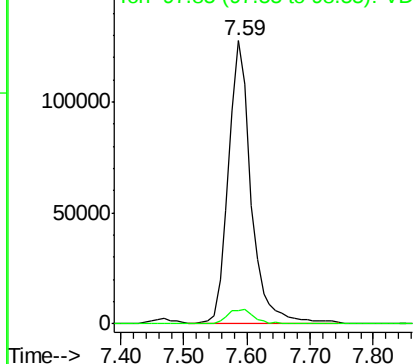
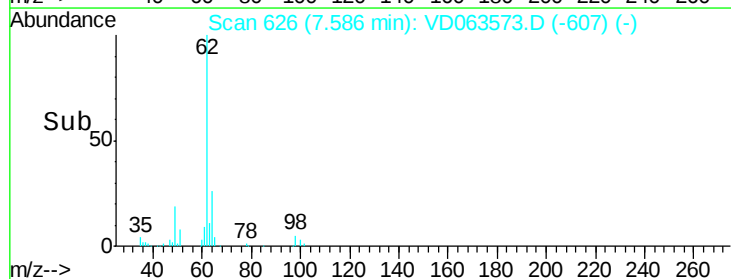
Lab File: VD063573.D

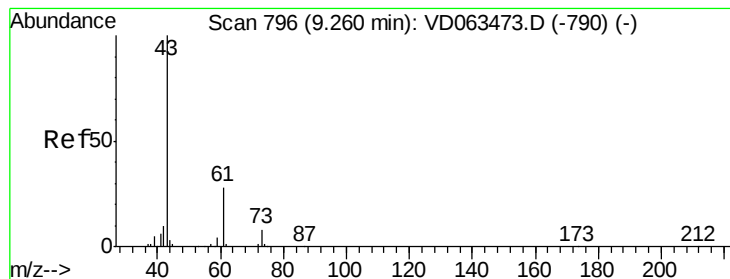
Acq: 14 Aug 2019 14:55

Tgt Ion:	62	Resp:	319496
Ion	Ratio	Lower	Upper
62	100		
98	4.7	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



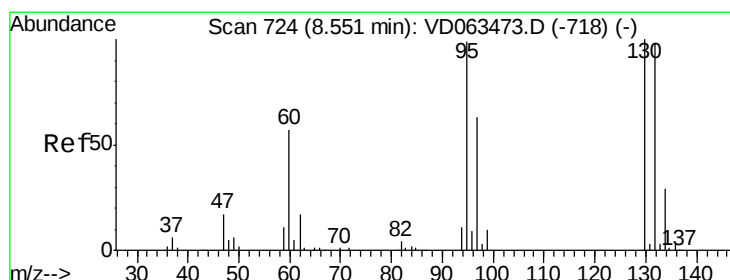
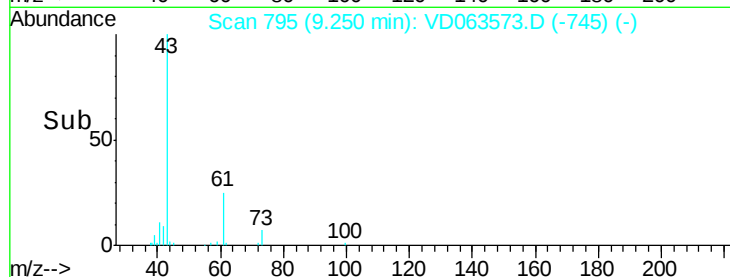
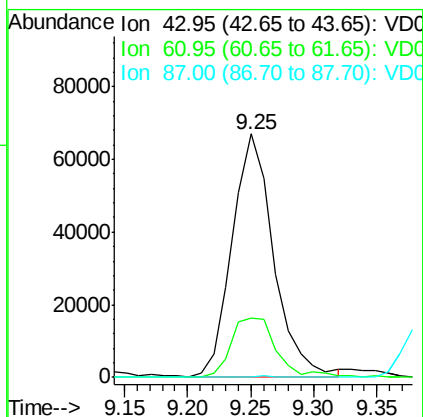
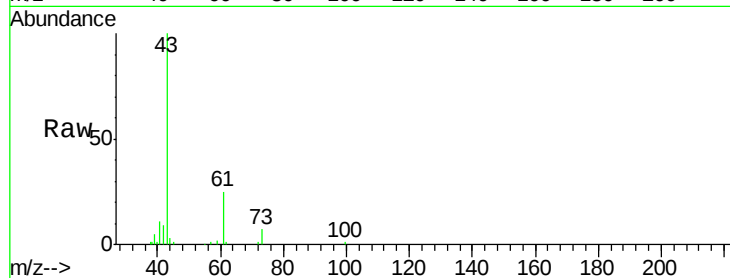


#43

Isopropyl Acetate
 Concen: 20.856 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Instrument :
 MSVOA_D
 ClientSampleId :

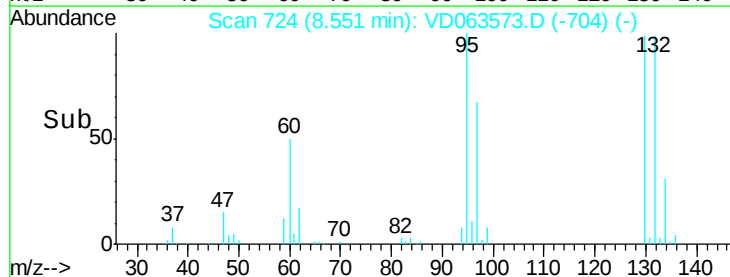
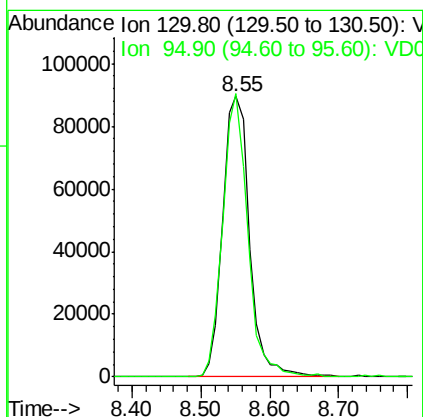
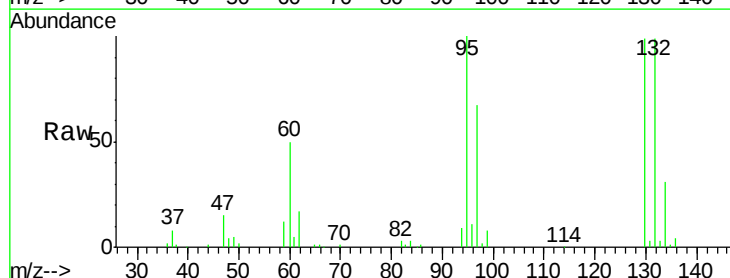
Tot Ion: 43 Resp: 153479
 Ion Ratio Lower Upper
 43 100
 61 24.6 22.2 33.2
 87 0.0 0.2 0.4#

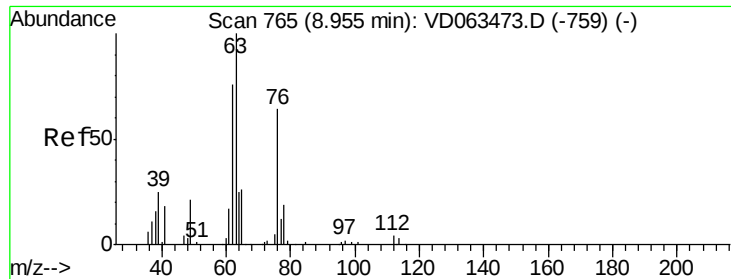


#44

Trichloroethene
 Concen: 21.951 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion:130 Resp: 242107
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 198.0





#45

1,2-Dichloropropane

Concen: 22.529 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

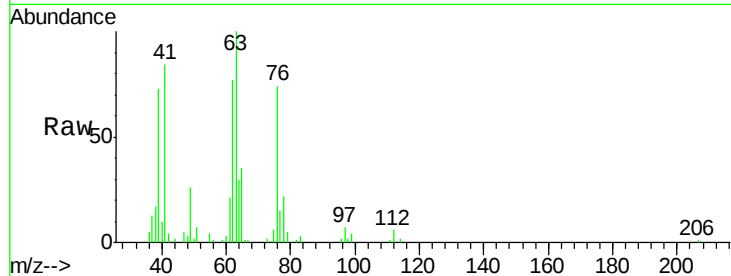
ClientSampleId :

Tot Ion: 63 Resp: 151396

Ion Ratio Lower Upper

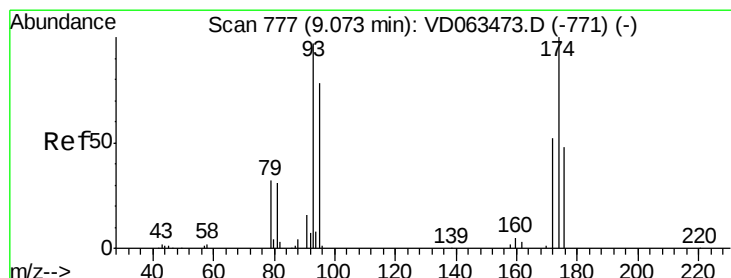
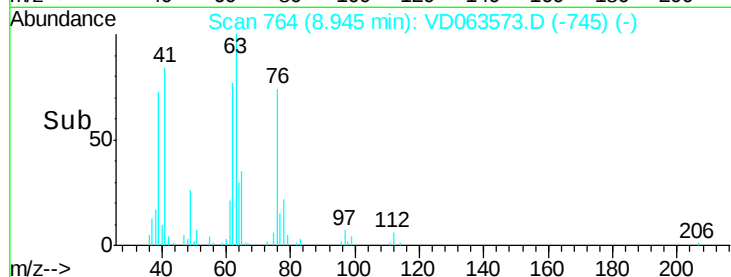
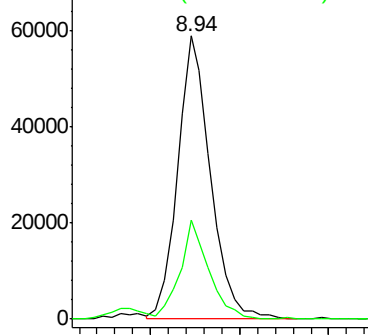
63 100

65 34.8 22.5 33.7#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.994 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

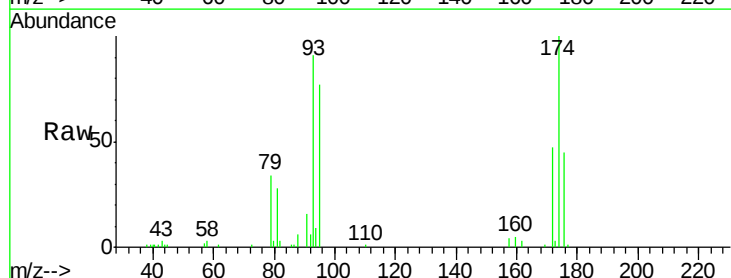
Tgt Ion: 93 Resp: 120481

Ion Ratio Lower Upper

93 100

95 84.8 64.2 96.2

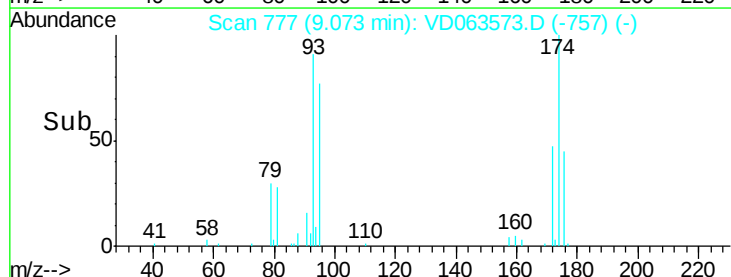
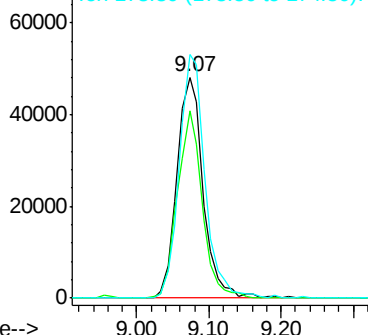
174 110.2 82.1 123.1

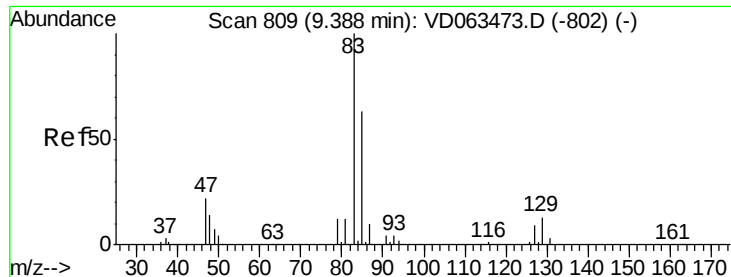


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.500 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

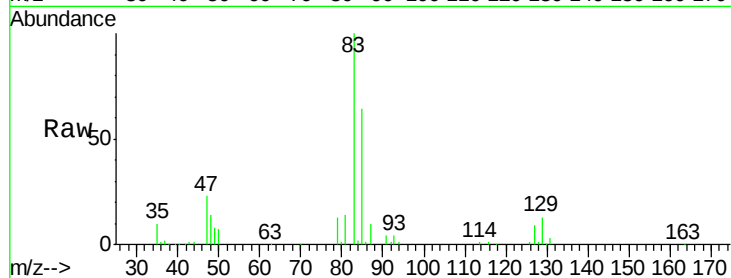
Tot Ion: 83 Resp: 301762

Ion Ratio Lower Upper

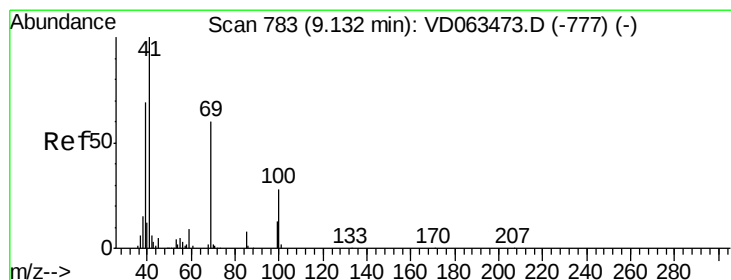
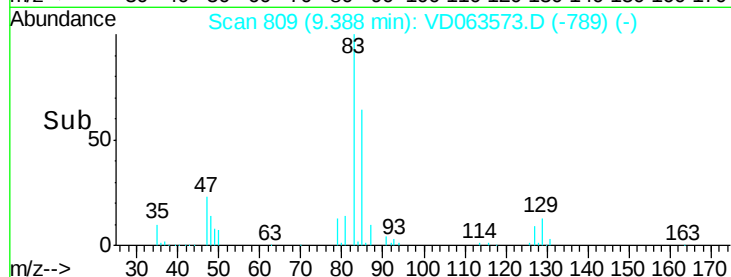
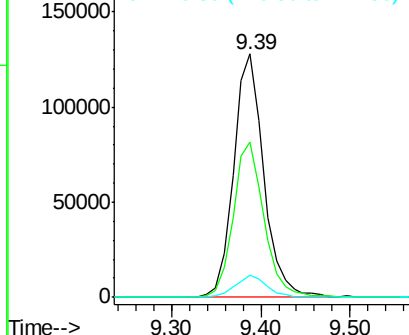
83 100

85 64.0 50.1 75.1

127 9.1 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.246 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

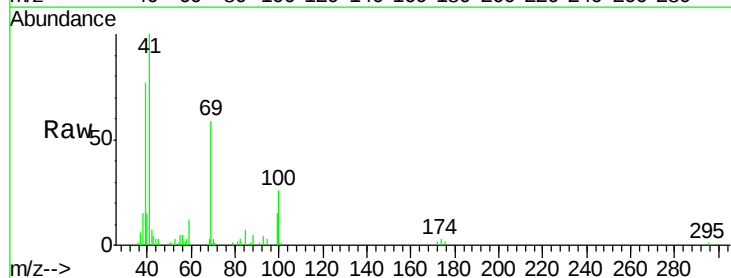
Tgt Ion: 41 Resp: 111024

Ion Ratio Lower Upper

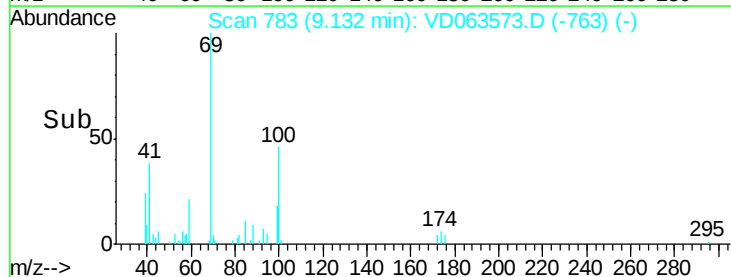
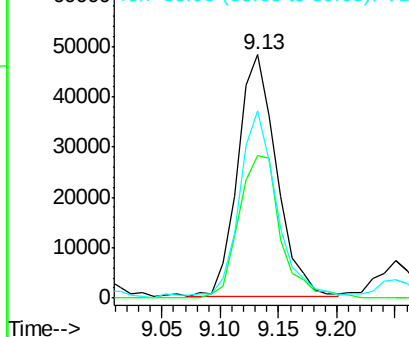
41 100

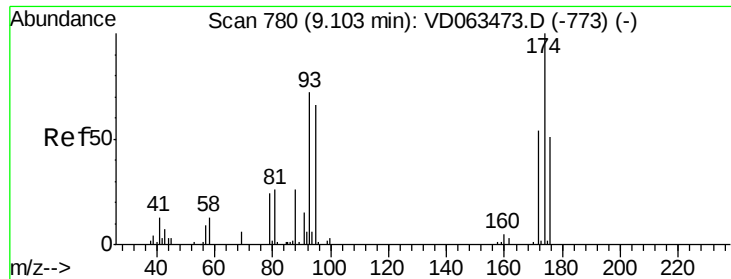
69 58.5 47.6 71.4

39 77.0 55.7 83.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

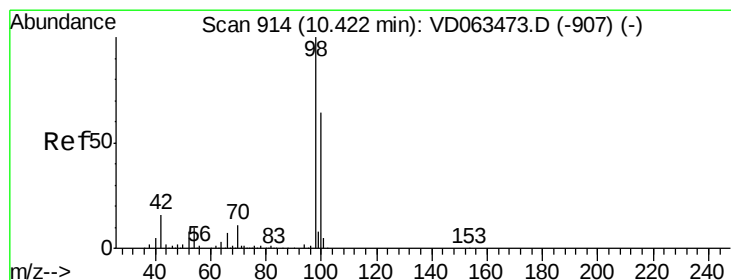
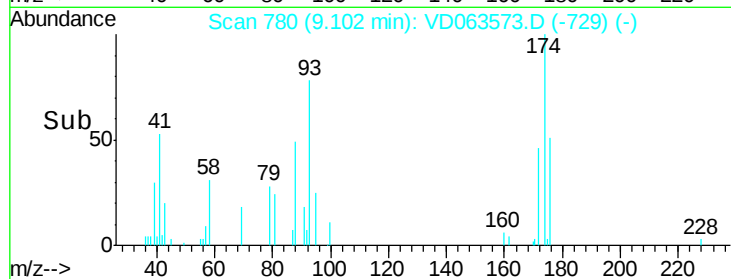
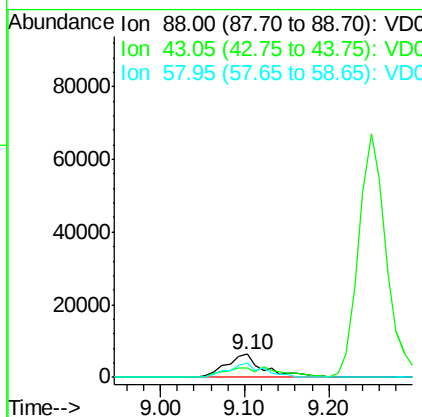
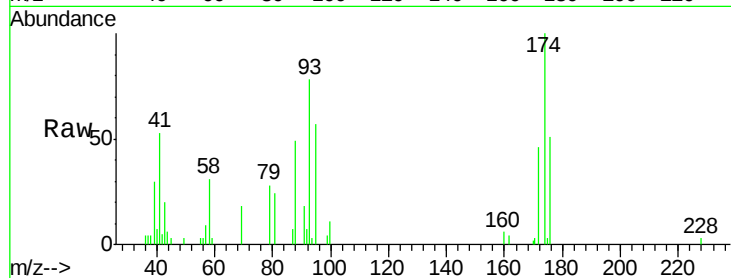




#49
1,4-Dioxane
Concen: 456.911 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

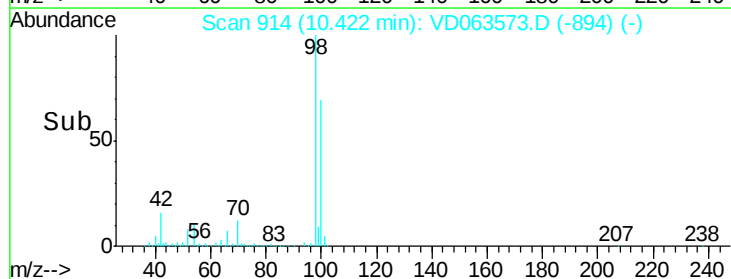
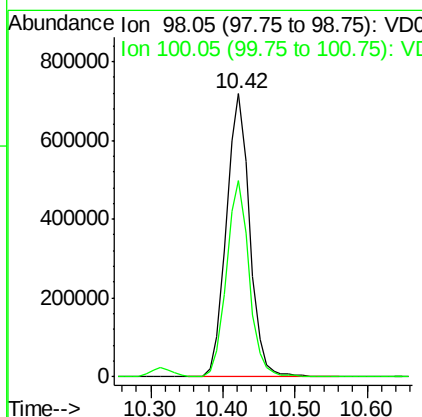
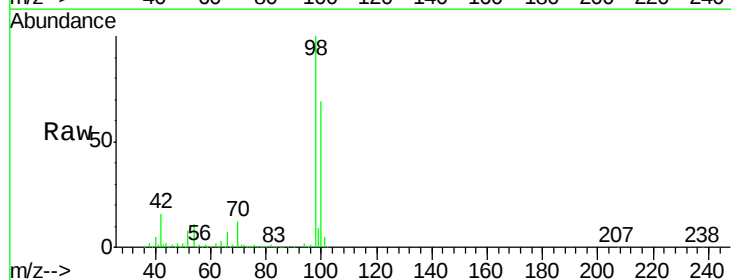
Instrument :
MSVOA_D
ClientSampleId :

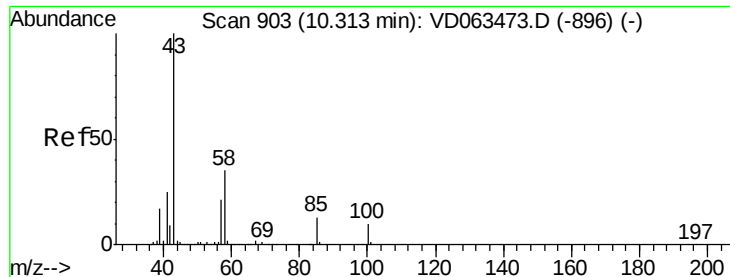
Tot Ion: 88 Resp: 19749
Ion Ratio Lower Upper
88 100
43 40.5 22.9 34.3#
58 63.4 40.1 60.1#



#50
Toluene-d8
Concen: 58.629 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 98 Resp: 1610260
Ion Ratio Lower Upper
98 100
100 69.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 105.614 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

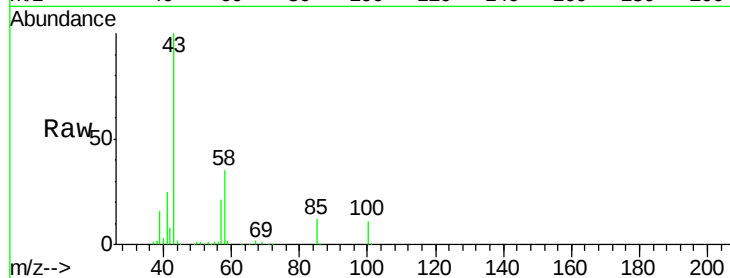
ClientSampleId :

Tot Ion: 43 Resp: 531831

Ion Ratio Lower Upper

43 100

58 35.2 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

250000

200000

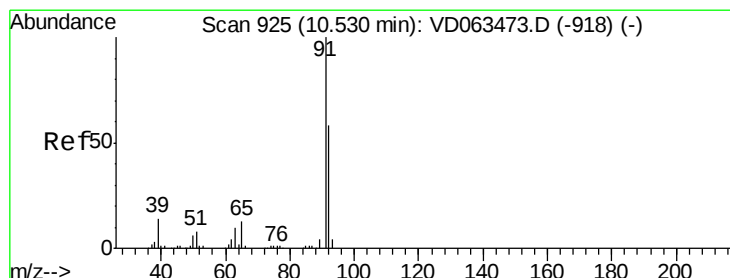
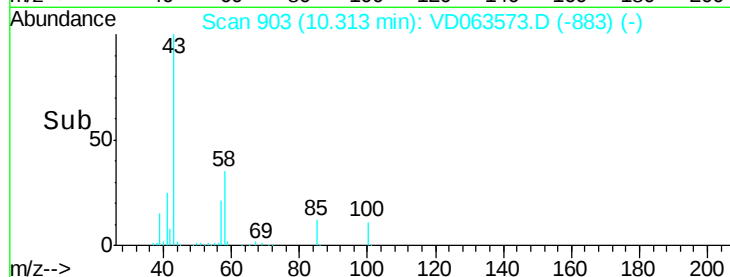
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.395 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD063573.D

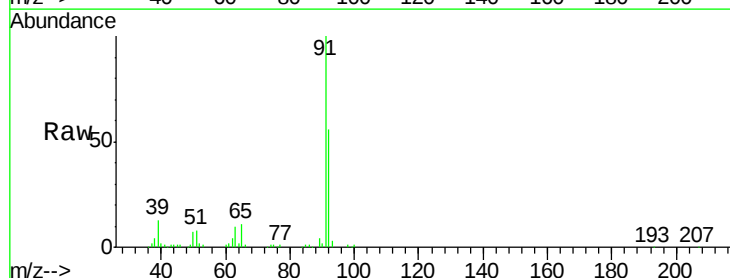
Acq: 14 Aug 2019 14:55

Tgt Ion: 92 Resp: 397647

Ion Ratio Lower Upper

92 100

91 180.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

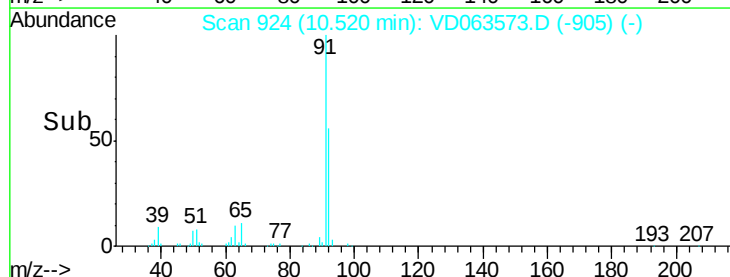
300000

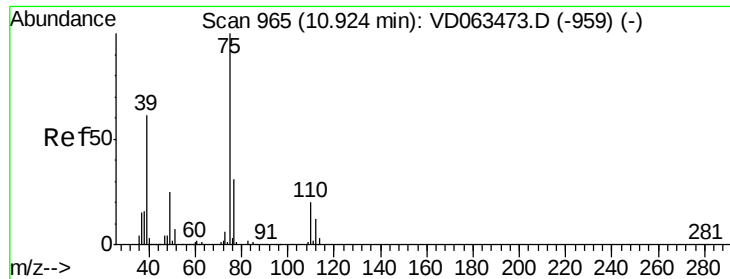
200000

100000

0

Time-->

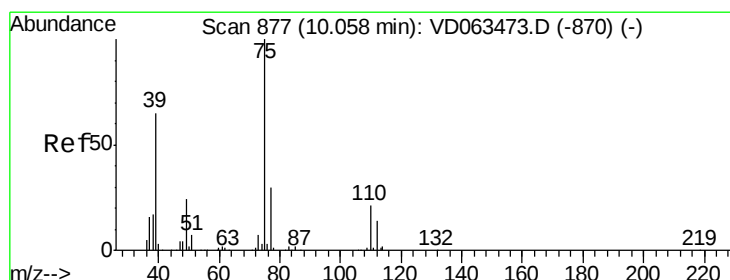
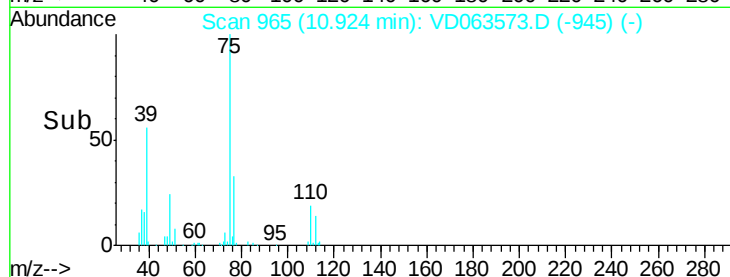
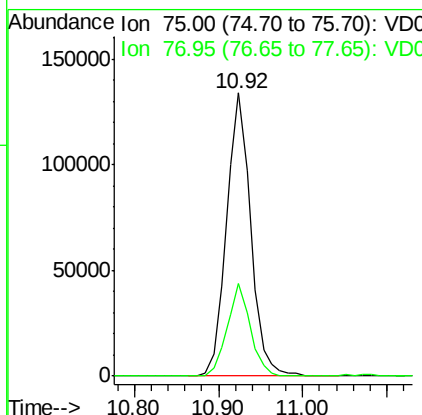
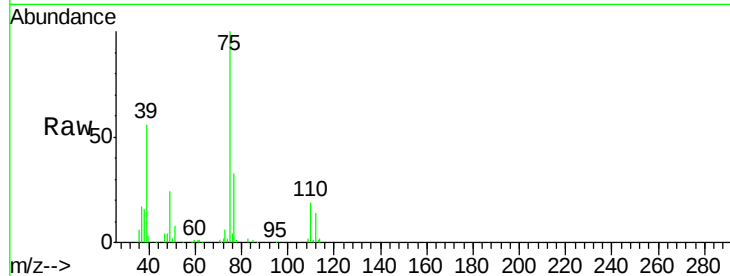




#53
t-1,3-Dichloropropene
Concen: 22.195 ug/l
RT: 10.92 min Scan# 965
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

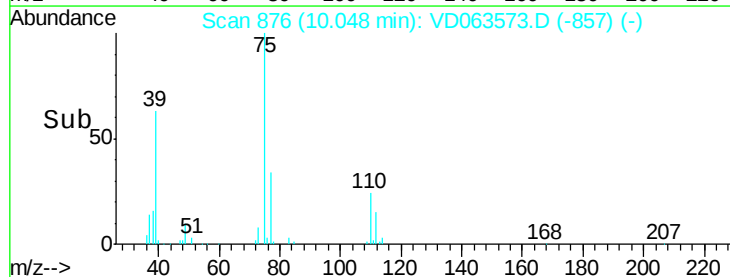
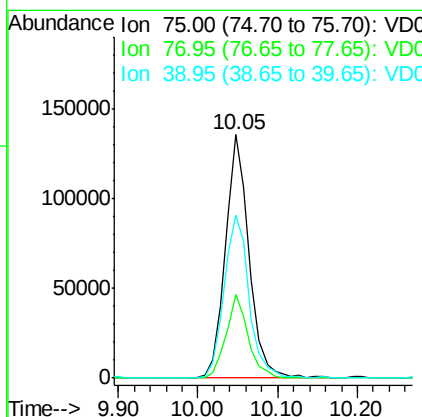
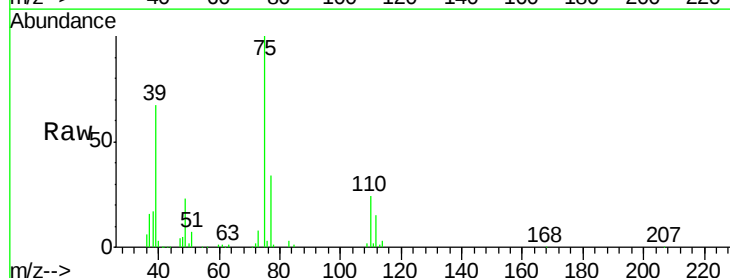
Instrument :
MSVOA_D
ClientSampled :

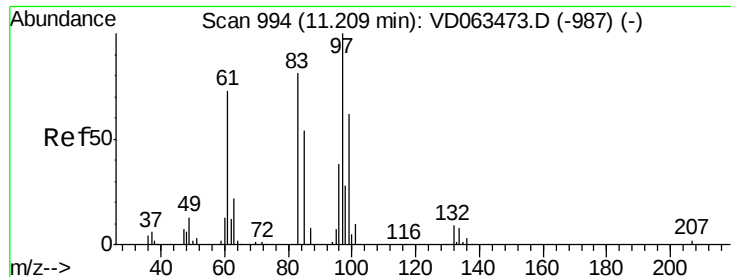
Tot Ion: 75 Resp: 266630
Ion Ratio Lower Upper
75 100
77 32.9 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 20.914 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 75 Resp: 283294
Ion Ratio Lower Upper
75 100
77 34.4 23.7 35.5
39 67.1 52.2 78.4

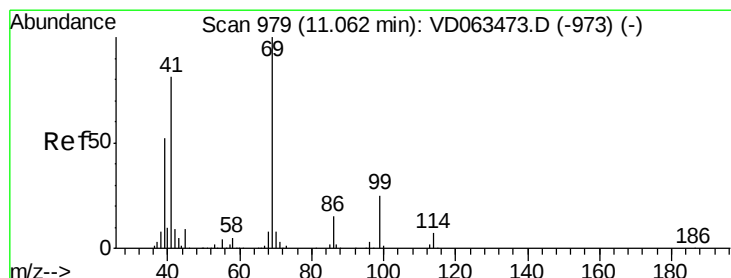
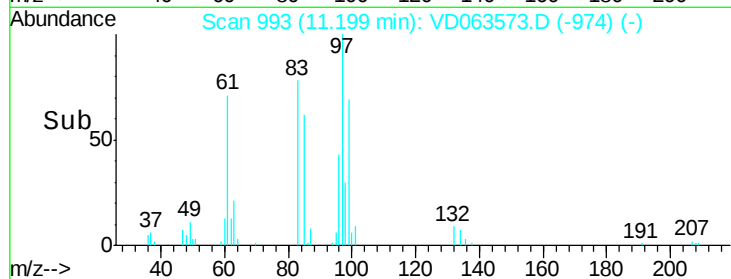
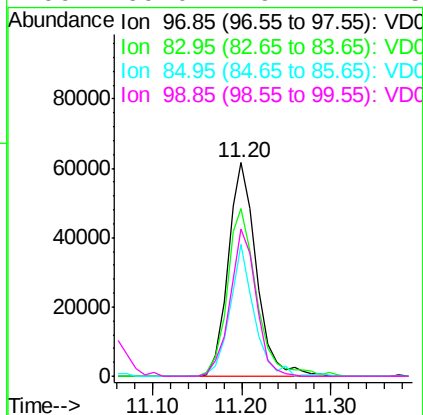
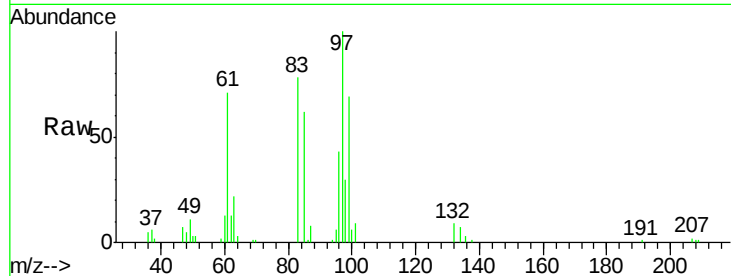




#55
 1,1,2-Trichloroethane
 Concen: 21.836 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

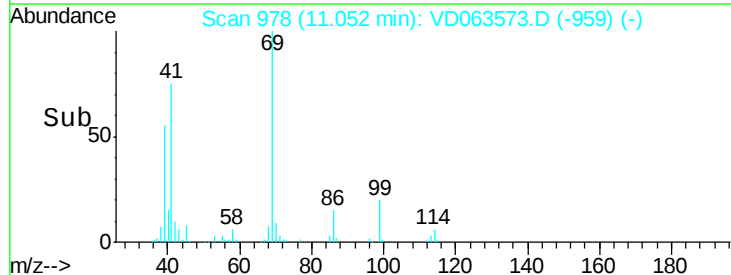
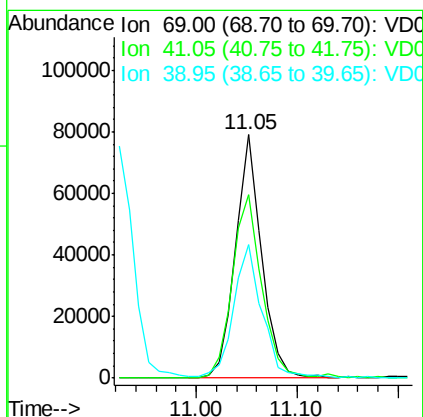
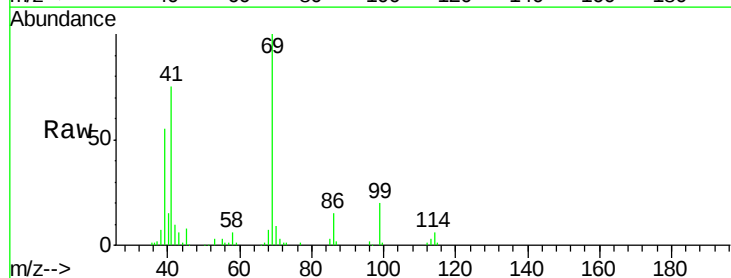
Instrument :
 MSVOA_D
 ClientSampleId :

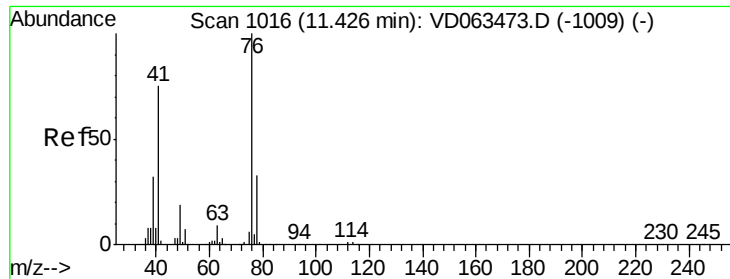
Tot Ion:	97	Resp:	137091
Ion	Ratio	Lower	Upper
97	100		
83	78.4	64.7	97.1
85	61.6	42.9	64.3
99	69.0	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 20.873 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion:	69	Resp:	142241
Ion	Ratio	Lower	Upper
69	100		
41	75.4	64.8	97.2
39	54.8	42.4	63.6

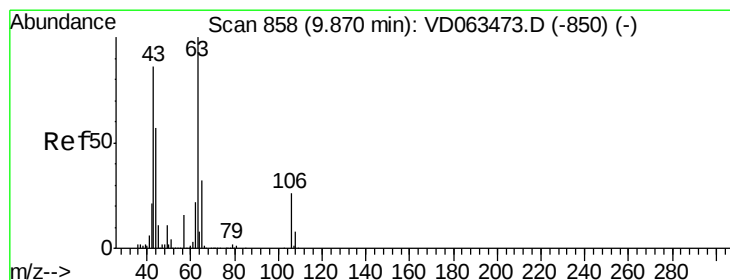
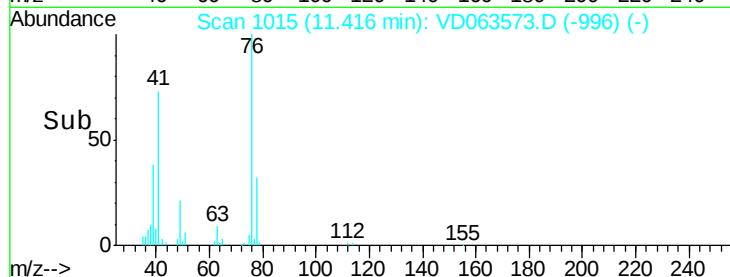
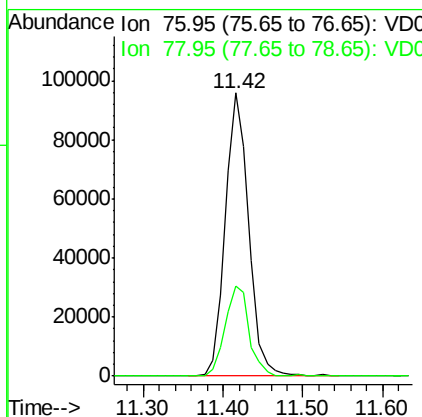
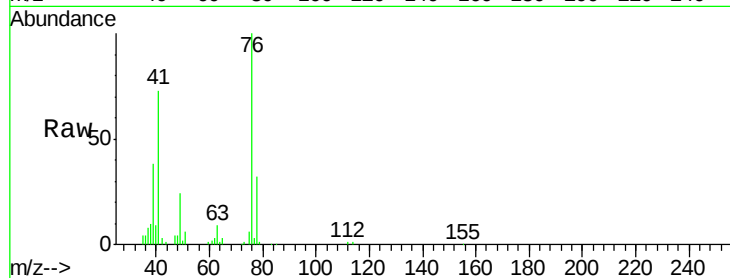




#57
 1,3-Dichloropropane
 Concen: 20.891 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

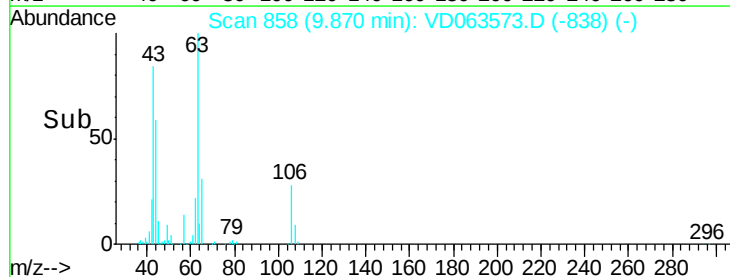
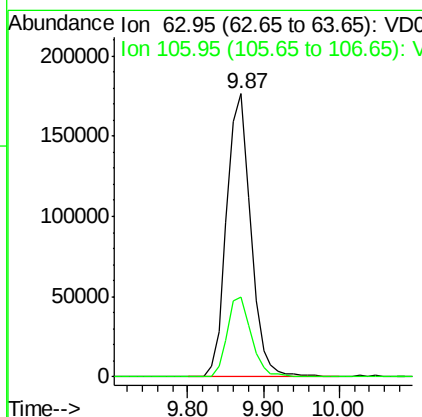
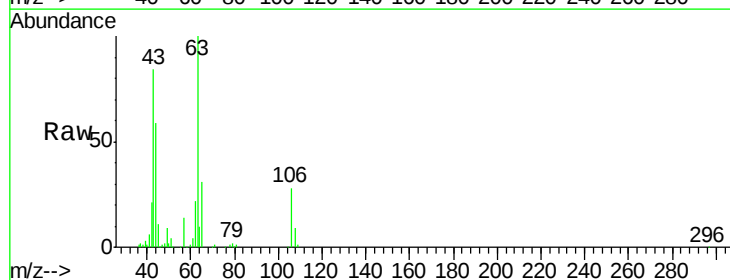
Instrument :
 MSVOA_D
 ClientSampleId :

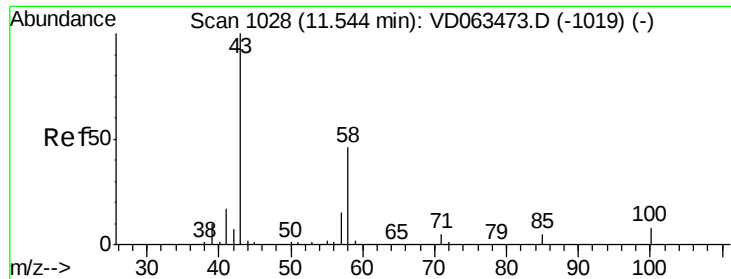
Tot Ion: 76 Resp: 198261
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.442 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion: 63 Resp: 390130
 Ion Ratio Lower Upper
 63 100
 106 28.1 20.8 31.2

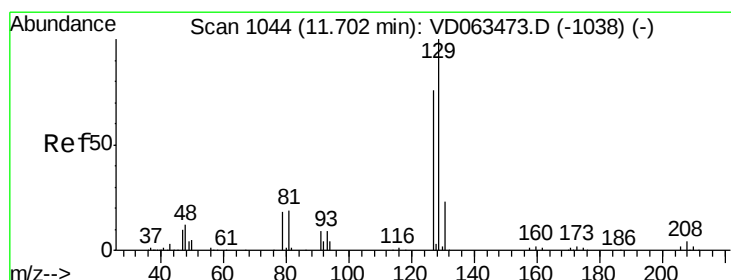
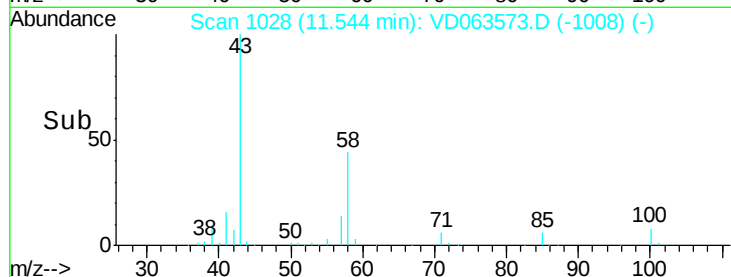
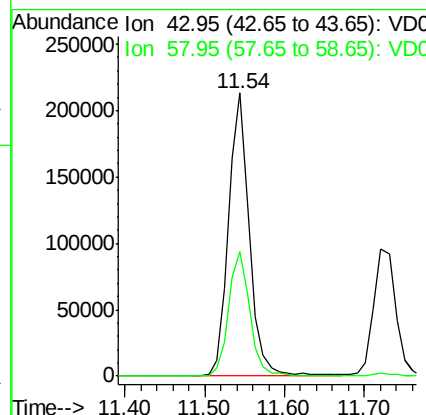
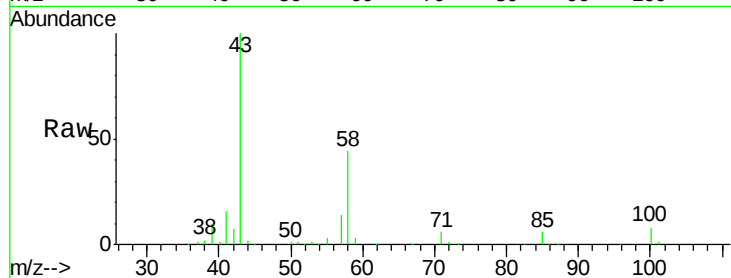




#59
2-Hexanone
Concen: 108.071 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

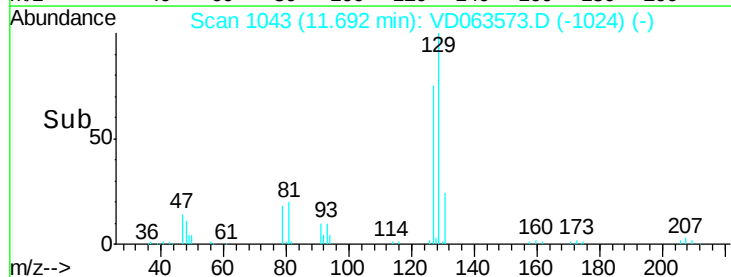
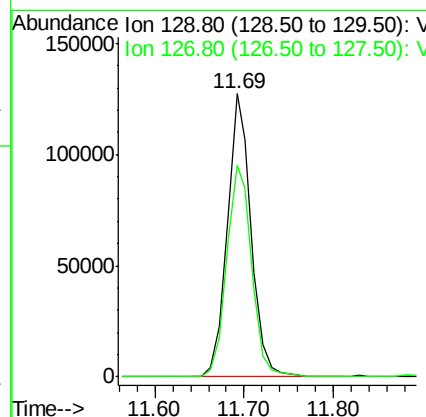
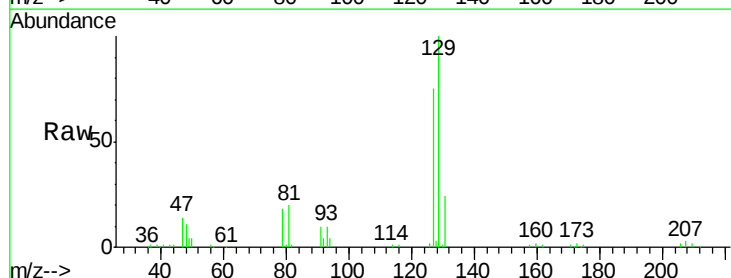
Instrument :
MSVOA_D
ClientSampleId :

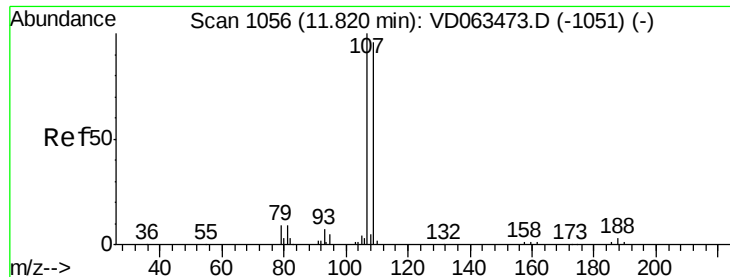
Tot Ion: 43 Resp: 395977
Ion Ratio Lower Upper
43 100
58 43.9 23.1 69.2



#60
Dibromochloromethane
Concen: 20.974 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion: 129 Resp: 239621
Ion Ratio Lower Upper
129 100
127 74.7 37.8 113.4

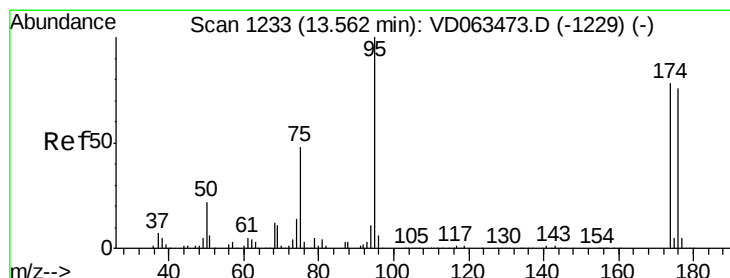
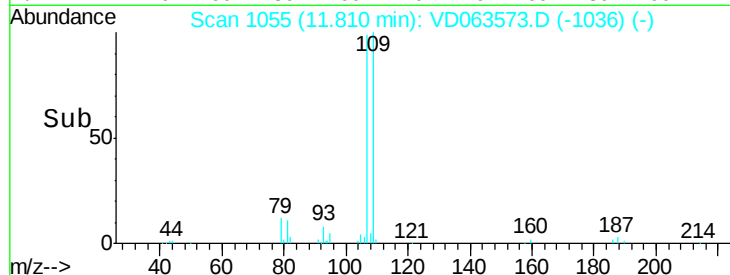
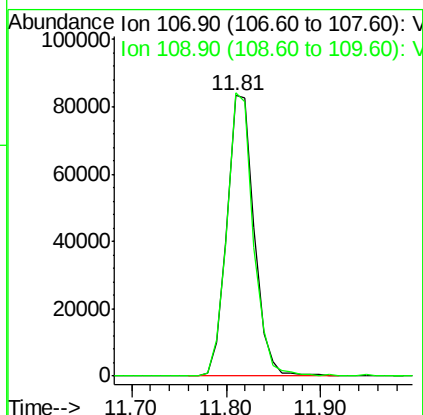
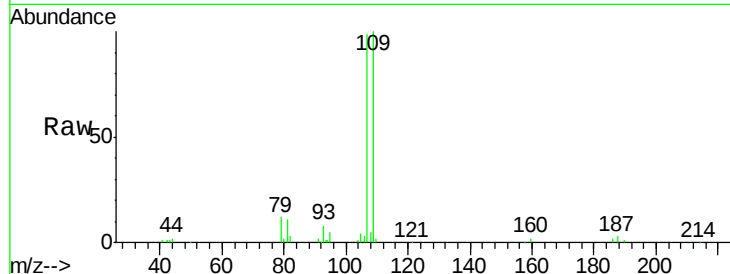




#61
 1,2-Dibromoethane
 Concen: 21.880 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

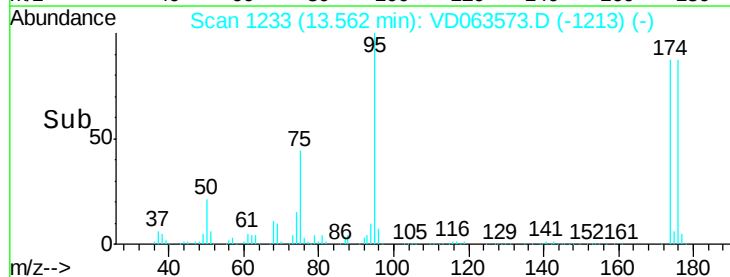
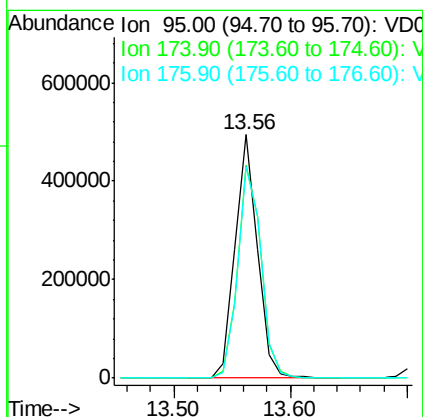
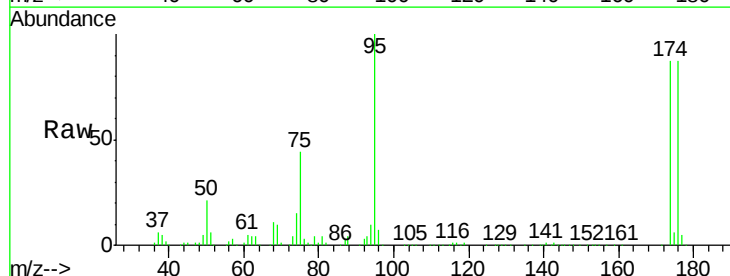
Instrument :
 MSVOA_D
 ClientSampleId :

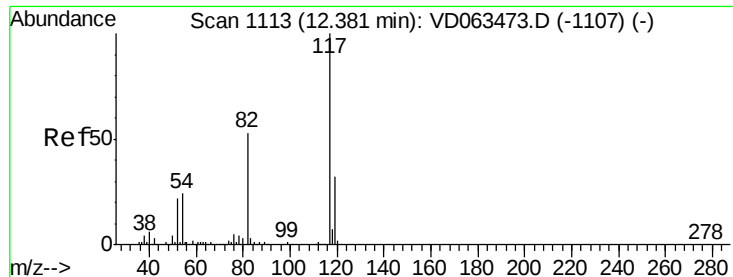
Tot Ion:107 Resp: 166297
 Ion Ratio Lower Upper
 107 100
 109 100.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 52.872 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion: 95 Resp: 658174
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 155.4
 176 86.7 0.0 152.4

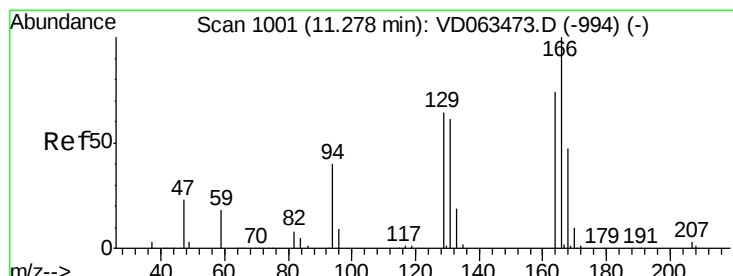
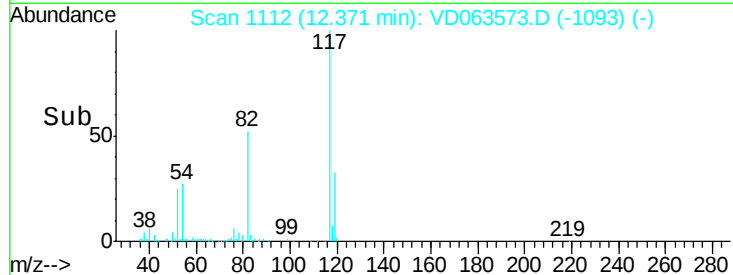
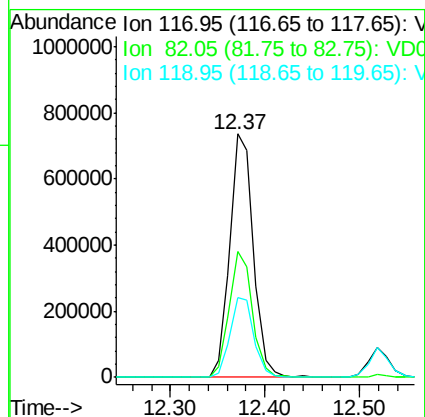
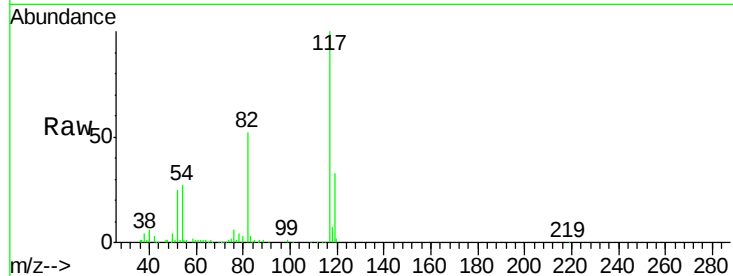




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

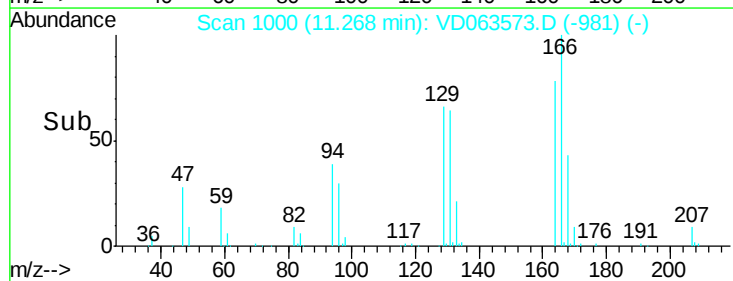
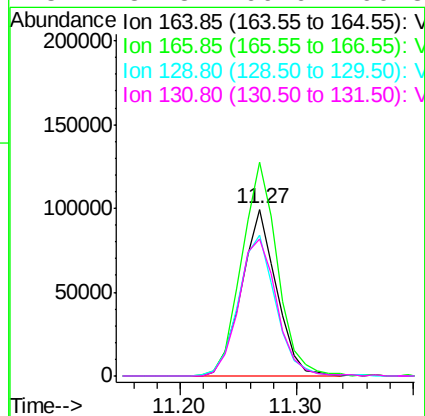
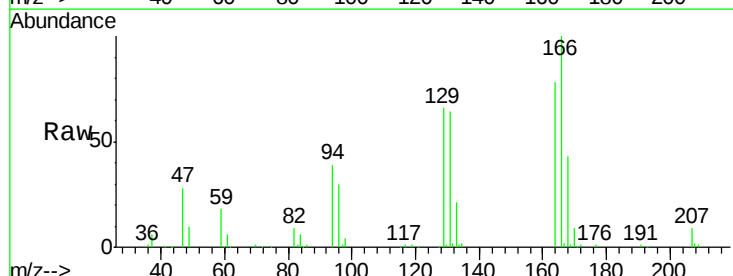
Instrument :
MSVOA_D
ClientSampleId :

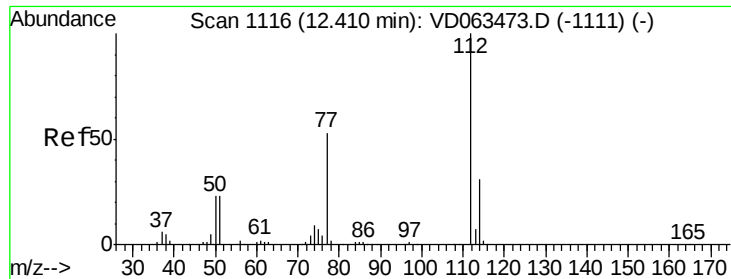
Tot Ion:117 Resp: 1266099
Ion Ratio Lower Upper
117 100
82 51.9 42.0 63.0
119 32.8 25.4 38.0



#64
Tetrachloroethene
Concen: 21.038 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion:164 Resp: 205622
Ion Ratio Lower Upper
164 100
166 128.0 108.6 163.0
129 84.3 69.0 103.6
131 81.8 66.6 99.8

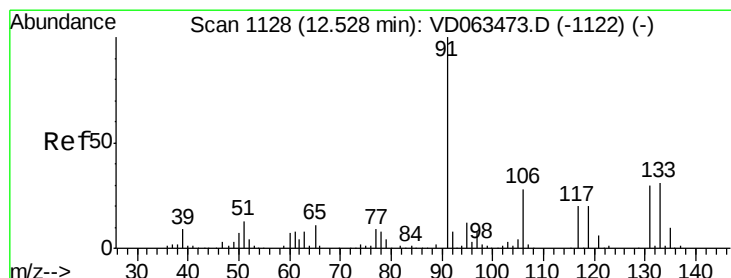
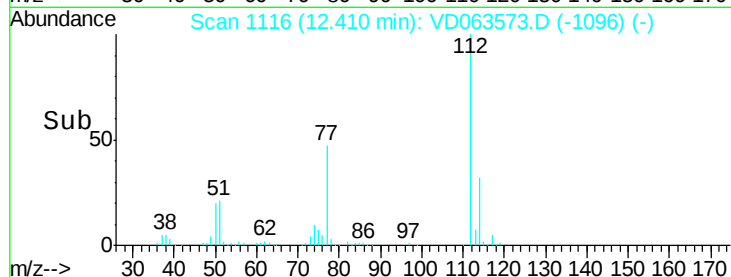
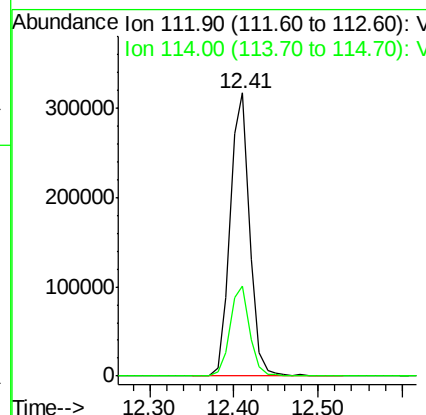
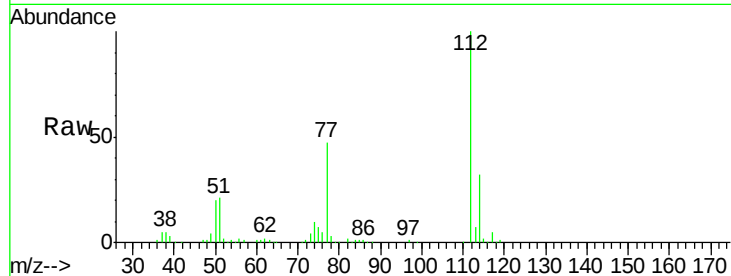




#65
Chlorobenzene
Concen: 21.416 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

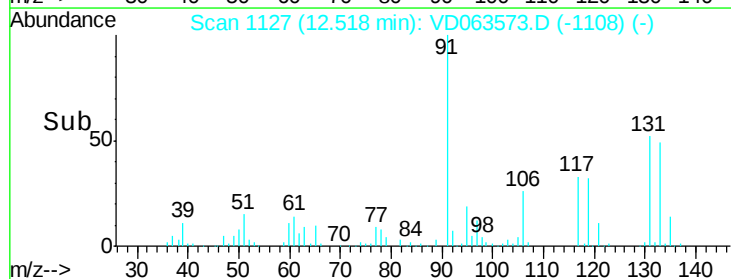
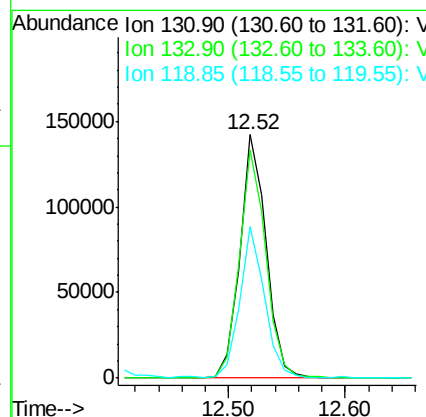
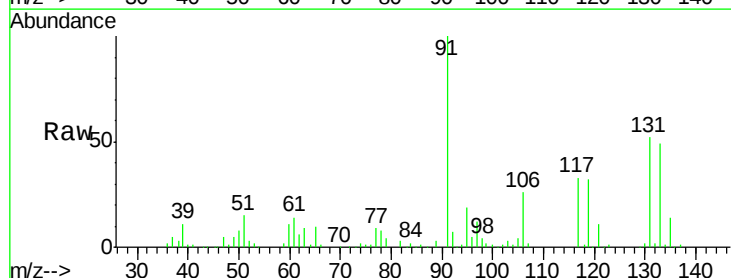
Instrument :
MSVOA_D
ClientSampleId :

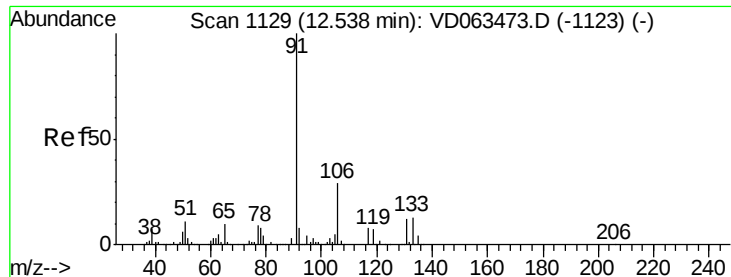
Tot Ion:112 Resp: 508198
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.221 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion:131 Resp: 221615
Ion Ratio Lower Upper
131 100
133 93.7 51.1 153.3
119 62.1 33.1 99.3





#67

Ethyl Benzene

Concen: 21.677 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

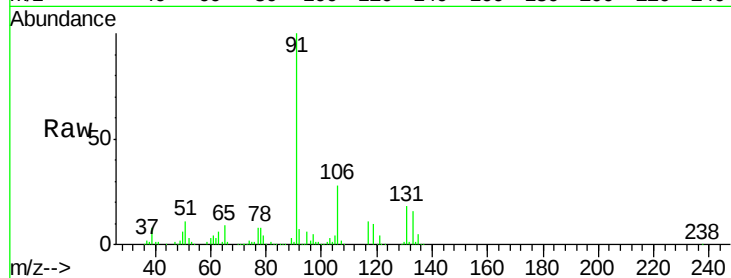
ClientSampleId :

Tot Ion: 91 Resp: 894403

Ion Ratio Lower Upper

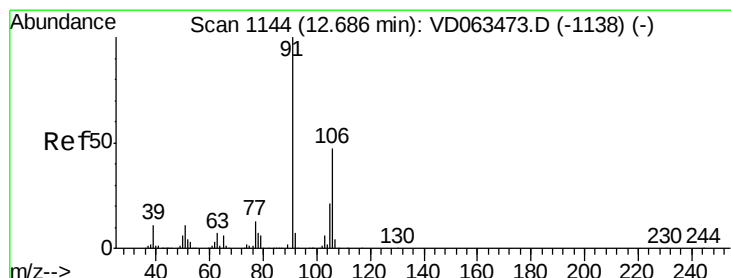
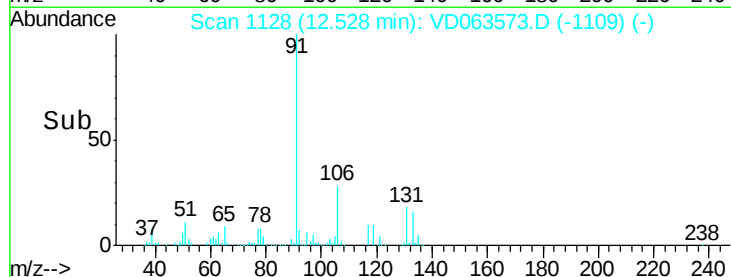
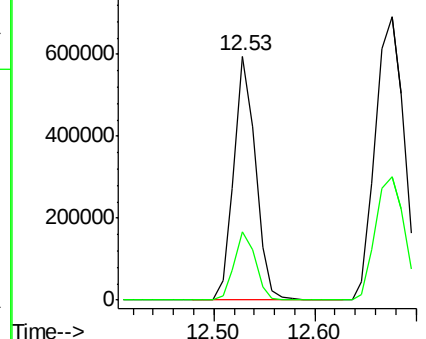
91 100

106 27.9 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 42.323 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VD063573.D

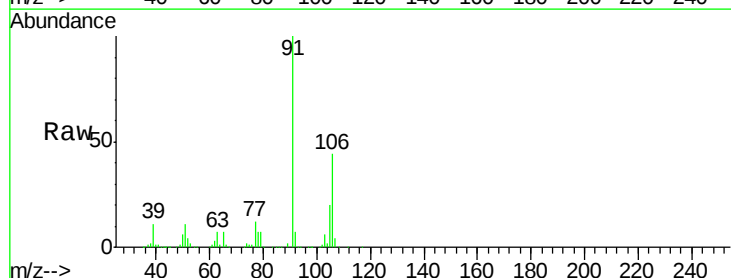
Acq: 14 Aug 2019 14:55

Tgt Ion: 106 Resp: 613520

Ion Ratio Lower Upper

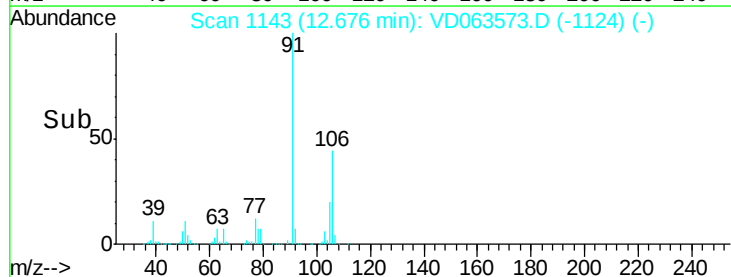
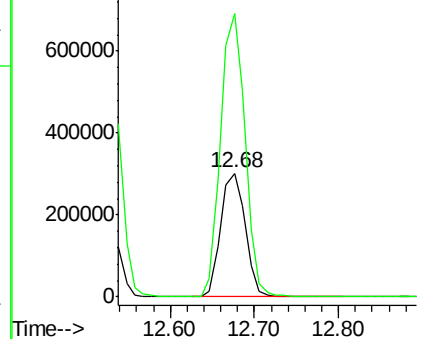
106 100

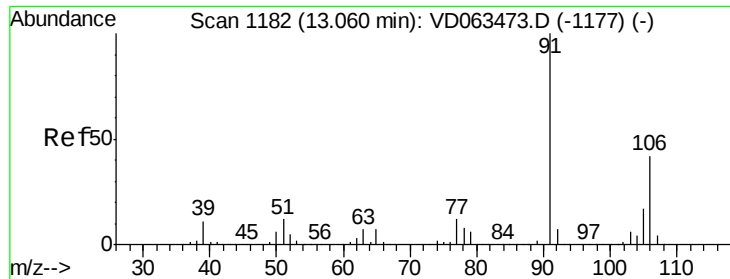
91 229.0 171.8 257.8



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

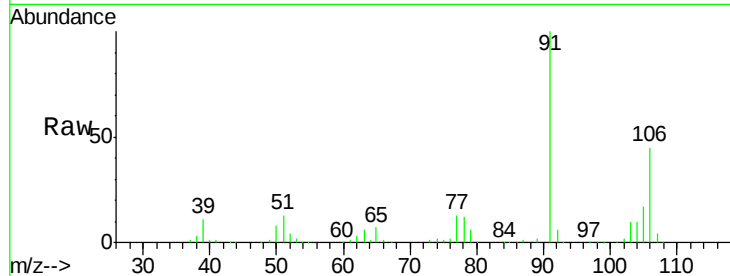




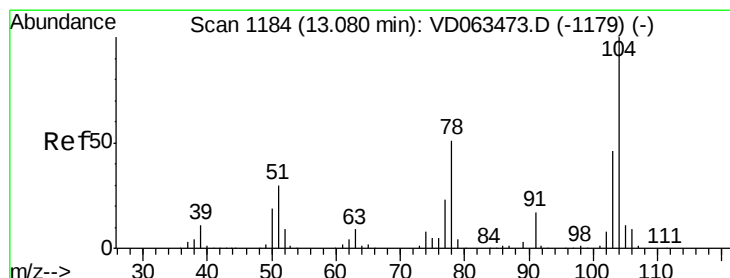
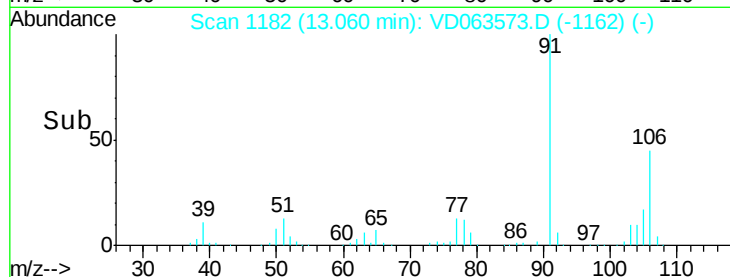
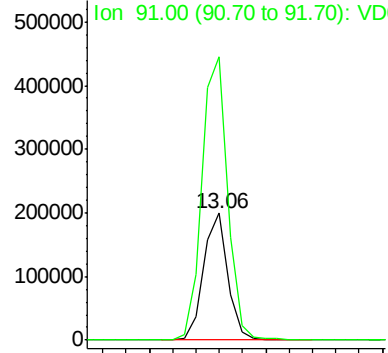
#69
o-Xylene
Concen: 20.584 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 287186
Ion Ratio Lower Upper
106 100
91 222.8 118.1 354.2

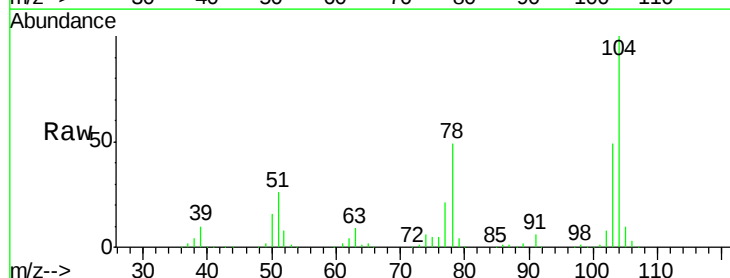


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

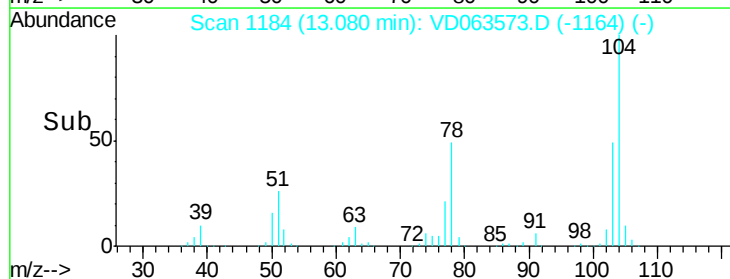
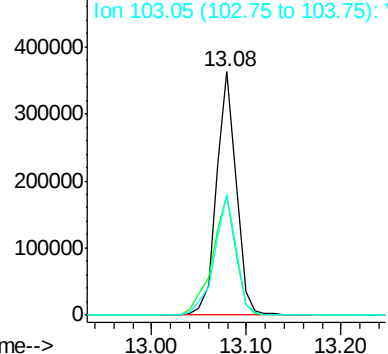


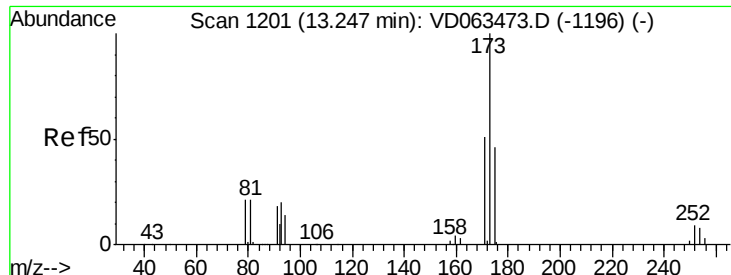
#70
Styrene
Concen: 20.852 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion:104 Resp: 517487
Ion Ratio Lower Upper
104 100
78 49.2 40.8 61.2
103 49.4 36.4 54.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

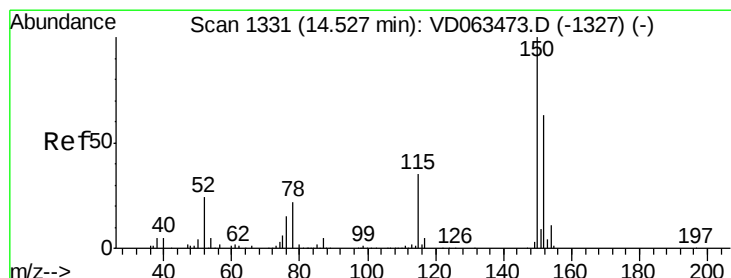
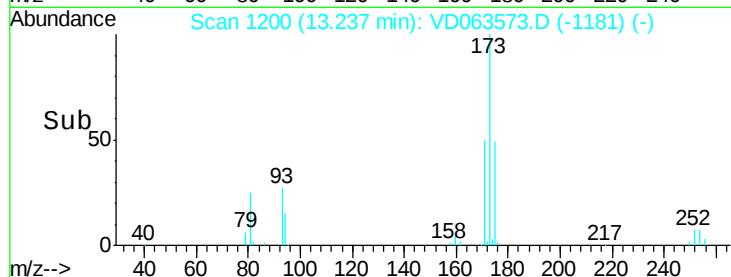
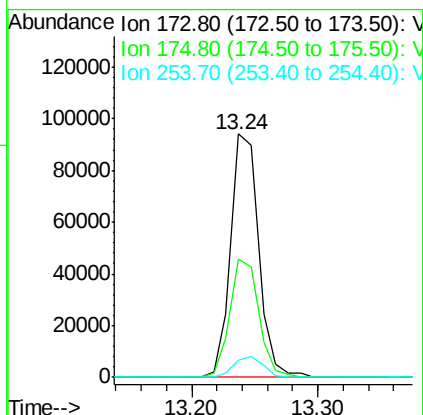
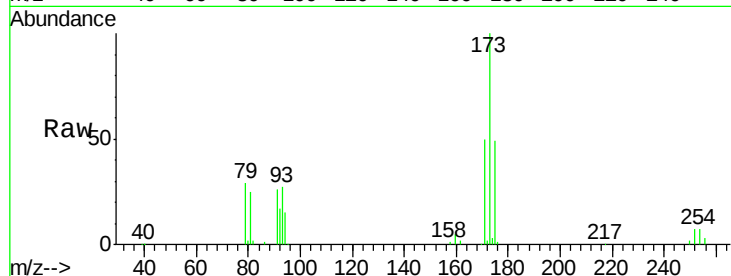




#71
Bromoform
Concen: 20.077 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

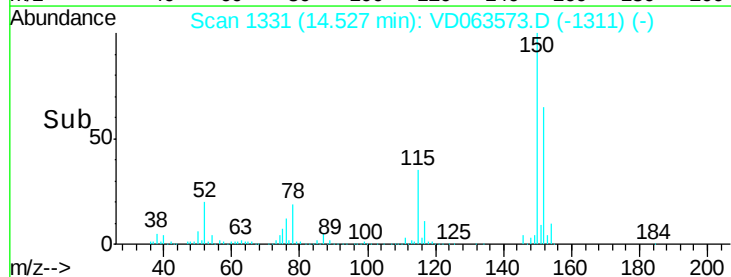
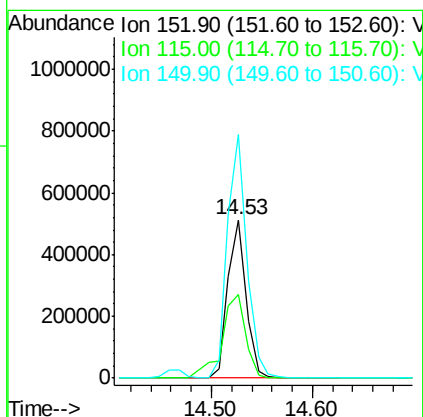
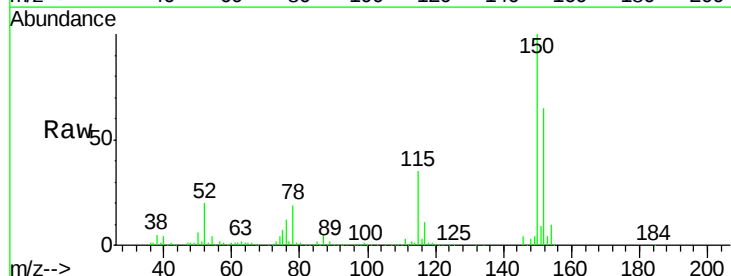
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 143773
Ion Ratio Lower Upper
173 100
175 48.7 22.8 68.3
254 6.9 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD063573.D
Acq: 14 Aug 2019 14:55

Tgt Ion:152 Resp: 643225
Ion Ratio Lower Upper
152 100
115 53.3 30.9 92.7
150 154.2 0.0 318.6





#73

Isopropylbenzene

Concen: 21.958 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

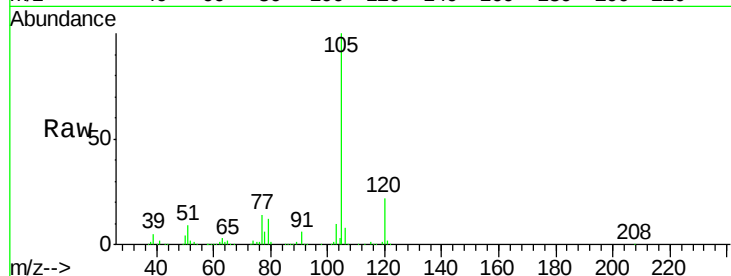
ClientSampleId :

Tot Ion:105 Resp: 898370

Ion Ratio Lower Upper

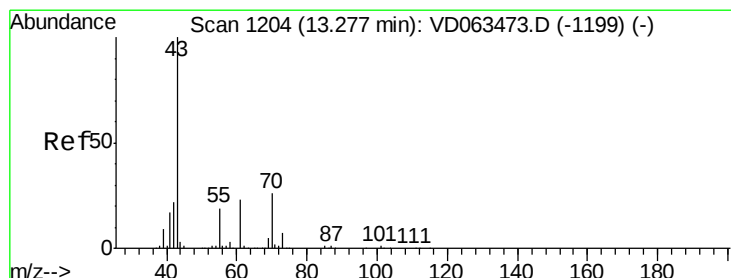
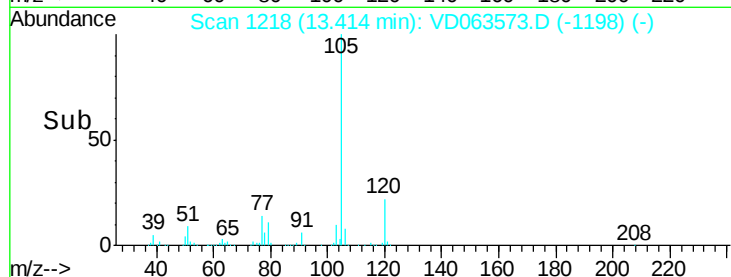
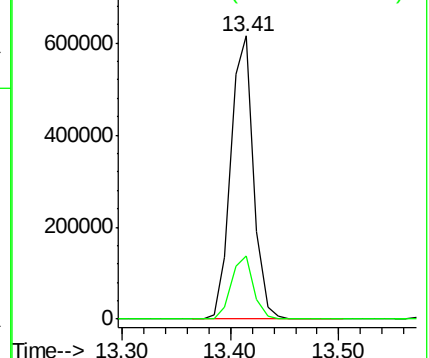
105 100

120 22.3 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.850 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Tgt Ion: 43 Resp: 224402

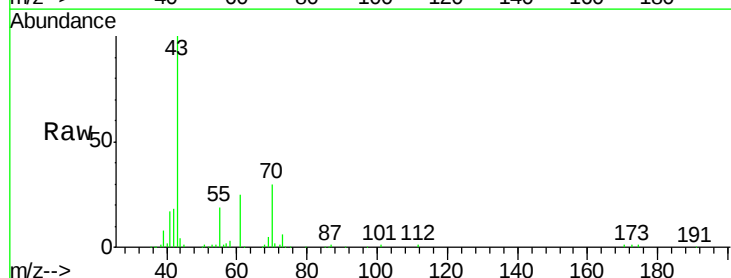
Ion Ratio Lower Upper

43 100

70 29.8 21.1 31.7

55 19.2 15.4 23.0

61 25.2 18.2 27.2

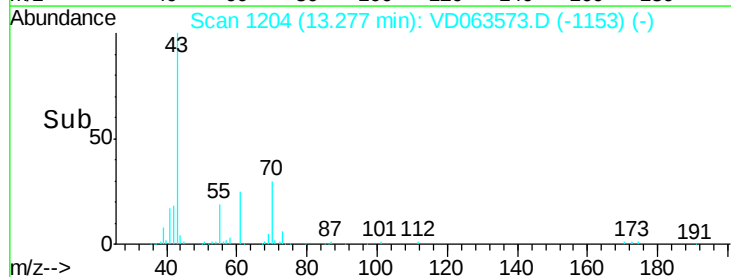
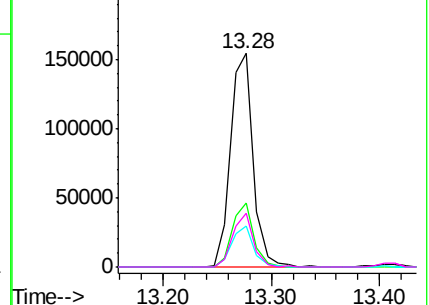


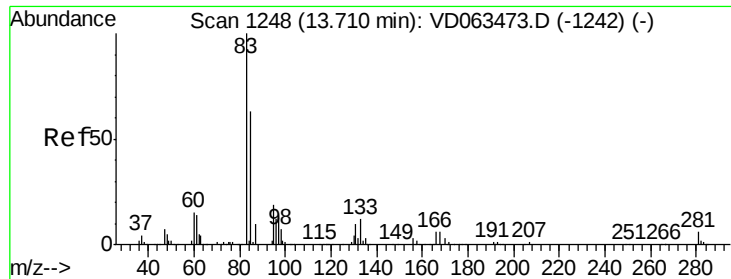
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.738 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

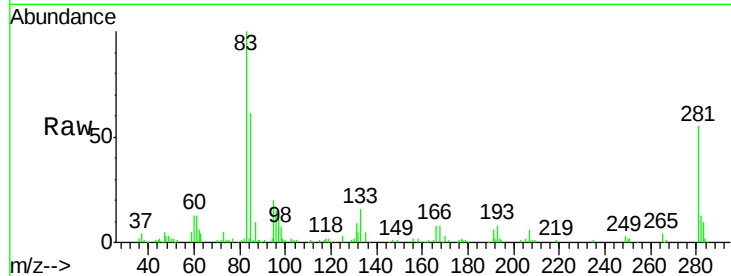
Tot Ion: 83 Resp: 154410

Ion Ratio Lower Upper

83 100

131 9.1 5.3 15.8

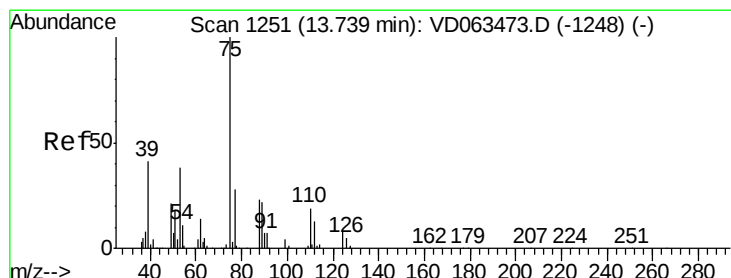
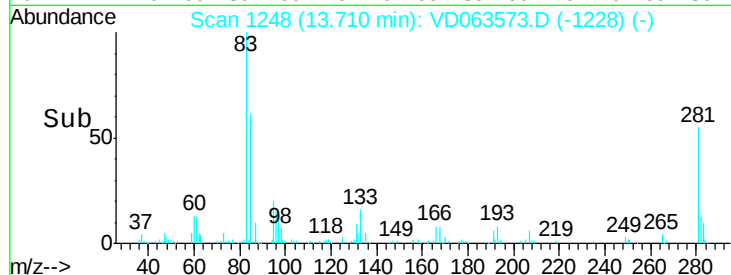
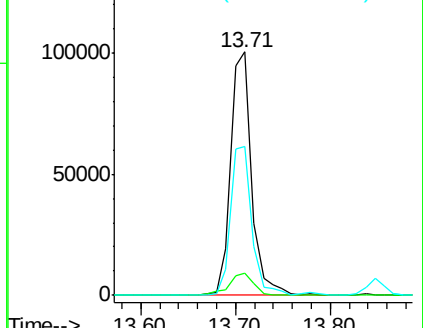
85 61.2 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.710 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD063573.D

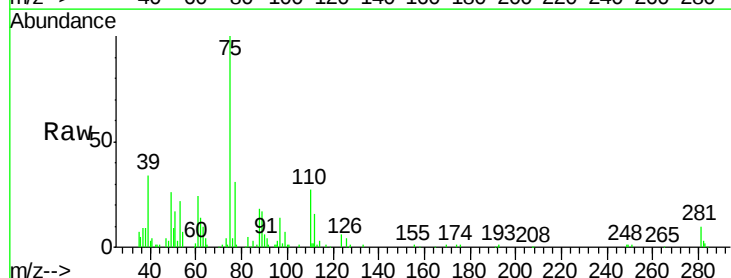
Acq: 14 Aug 2019 14:55

Tgt Ion: 75 Resp: 145500

Ion Ratio Lower Upper

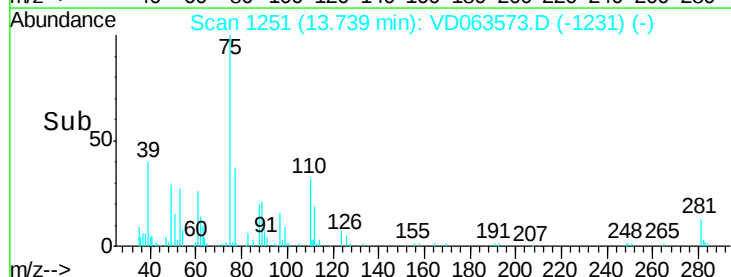
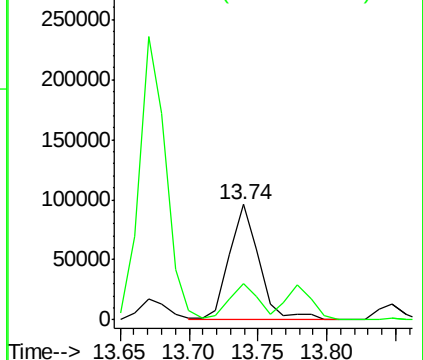
75 100

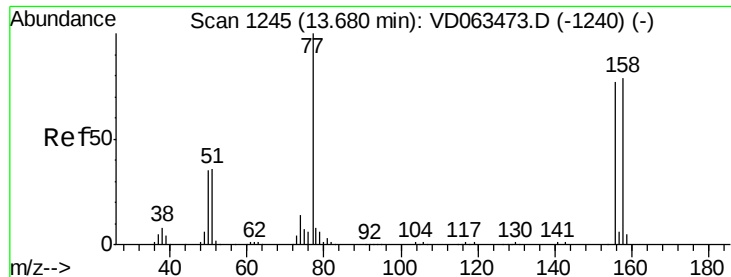
77 30.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.876 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

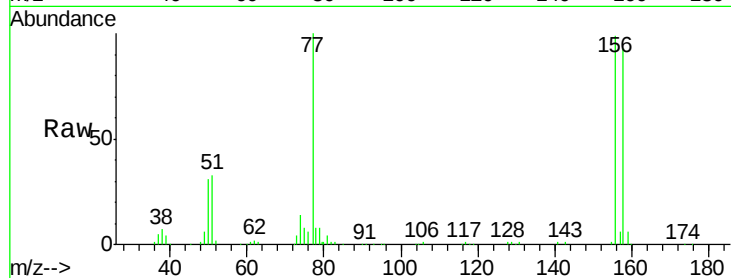
Tot Ion:156 Resp: 255786

Ion Ratio Lower Upper

156 100

77 101.3 64.6 193.8

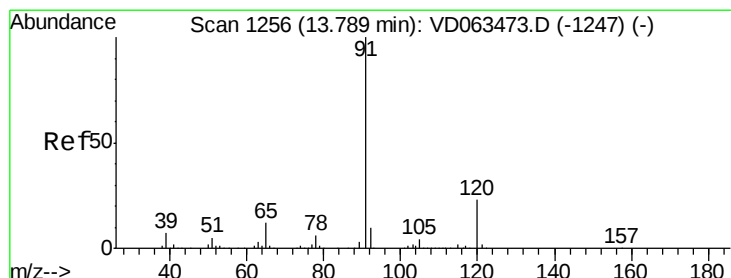
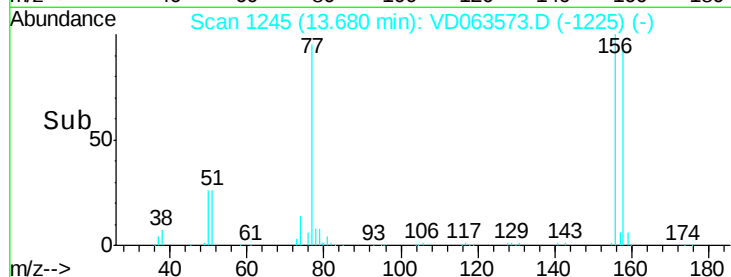
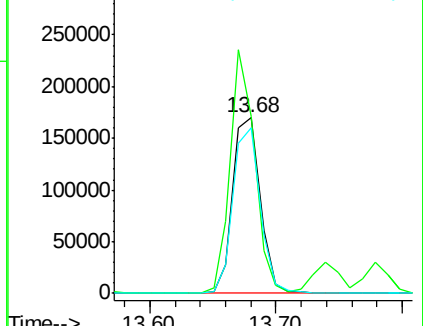
158 94.3 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.294 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063573.D

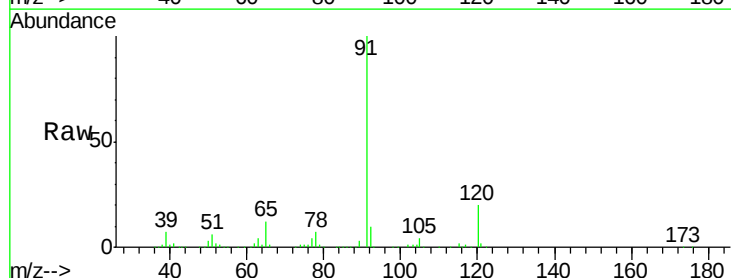
Acq: 14 Aug 2019 14:55

Tgt Ion: 91 Resp: 971446

Ion Ratio Lower Upper

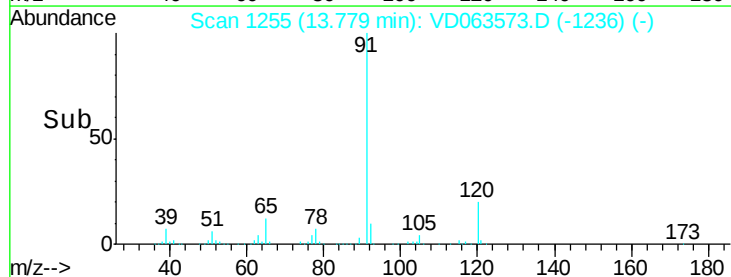
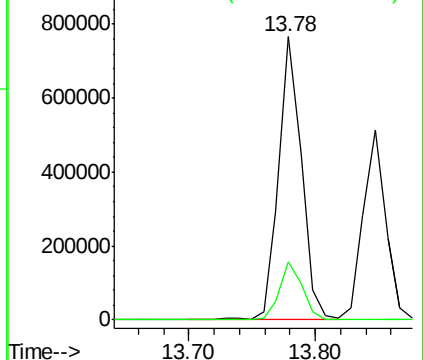
91 100

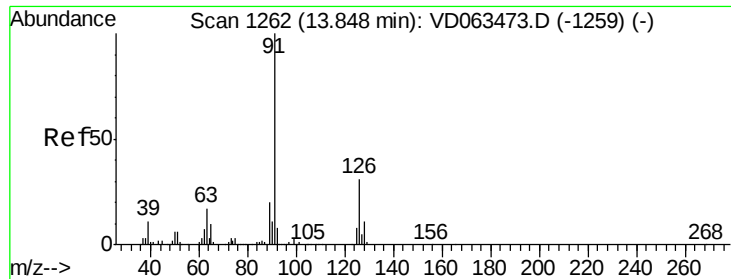
120 20.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

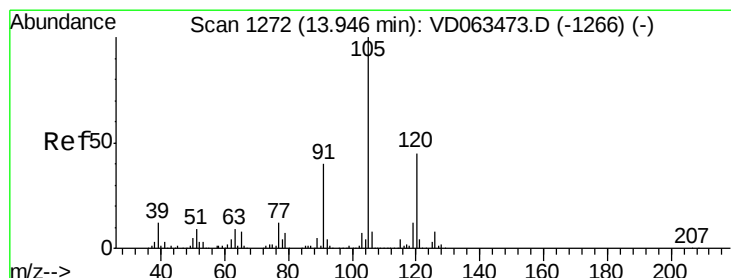
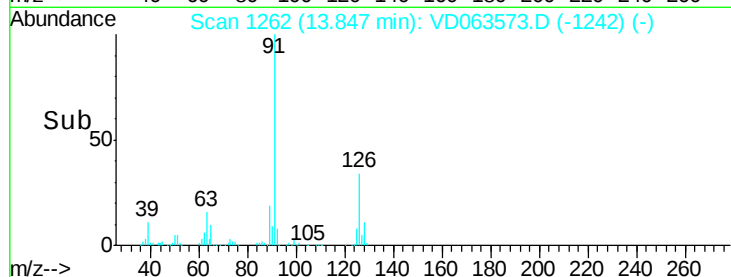
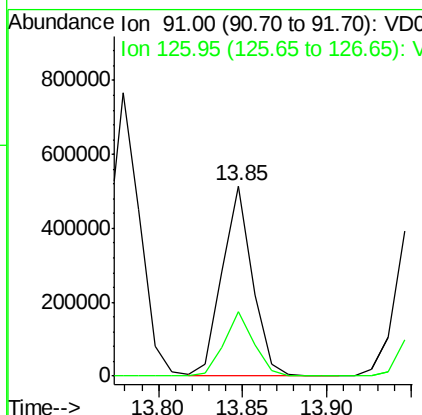
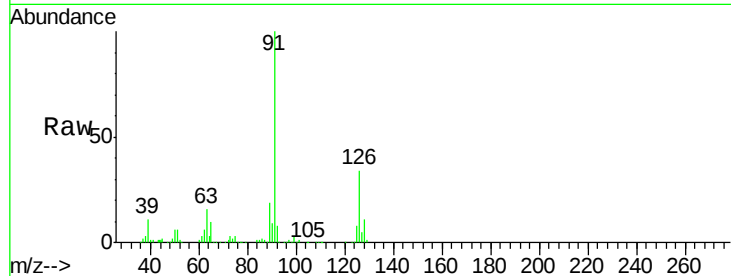




#79
 2-Chlorotoluene
 Concen: 23.318 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

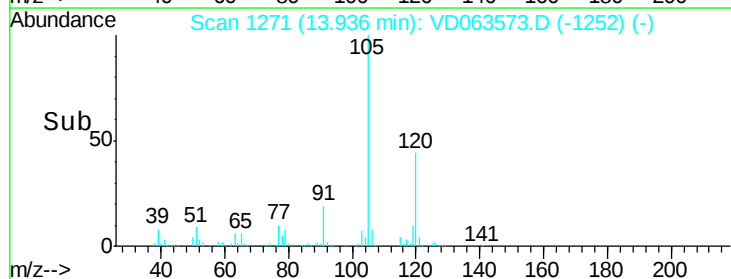
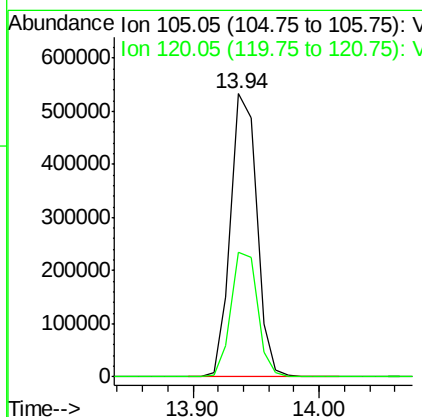
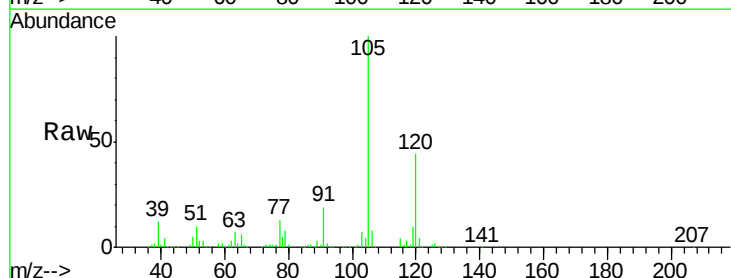
Instrument :
 MSVOA_D
 ClientSampled :

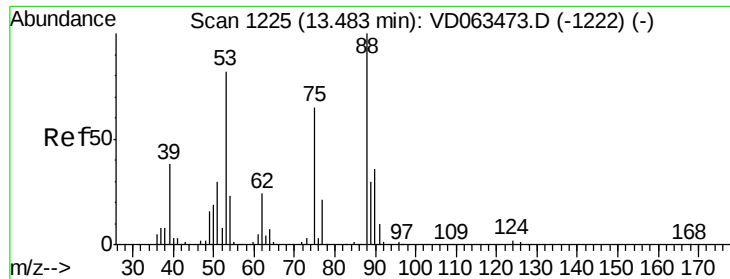
Tot Ion: 91 Resp: 643592
 Ion Ratio Lower Upper
 91 100
 126 33.9 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.490 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion: 105 Resp: 768203
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.598 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

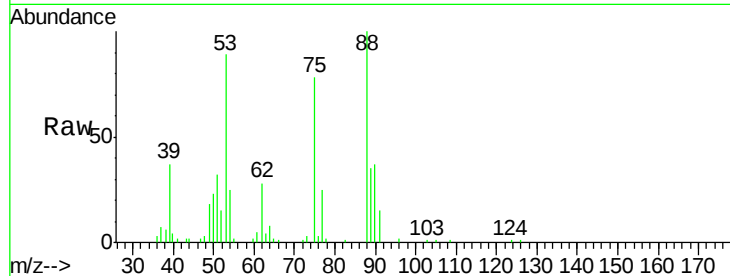
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 40868

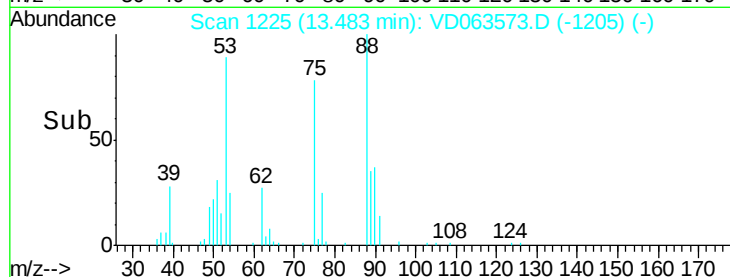
Ion	Ratio	Lower	Upper
75	100		
53	113.4	101.0	151.4
89	44.6	37.0	55.6



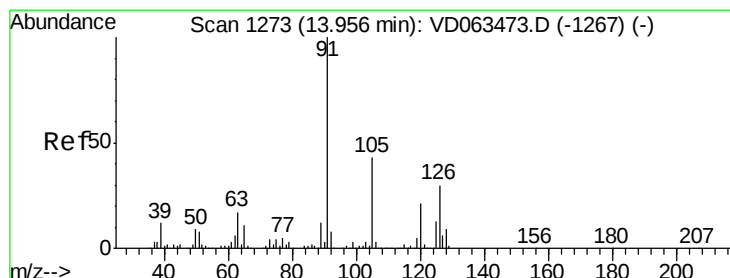
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



Time-->



#82

4-Chlorotoluene

Concen: 22.145 ug/l

RT: 13.96 min Scan# 1273

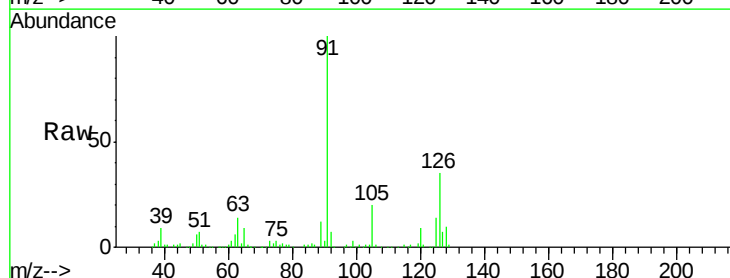
Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

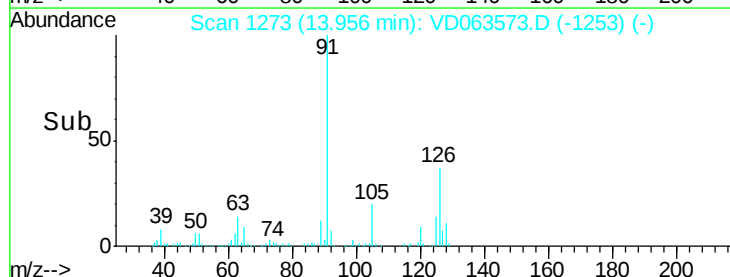
Tgt Ion: 91 Resp: 734986

Ion	Ratio	Lower	Upper
91	100		
126	35.3	15.2	45.6

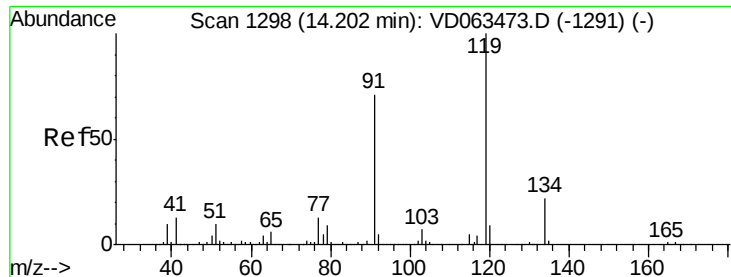


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



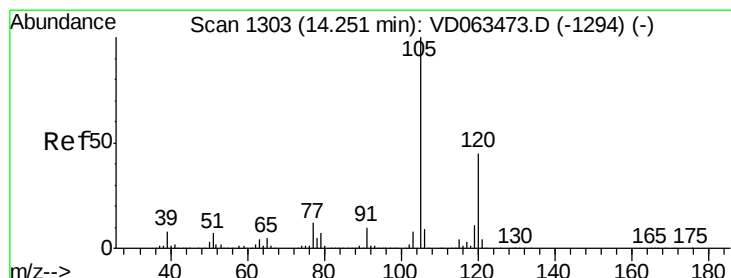
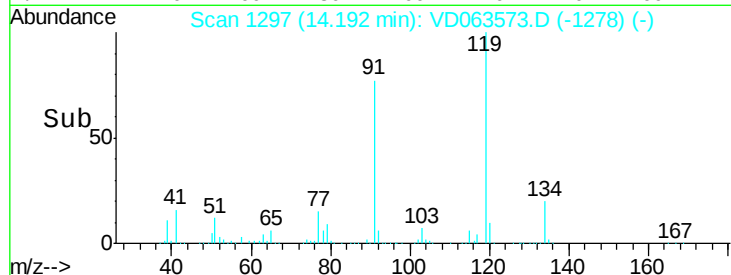
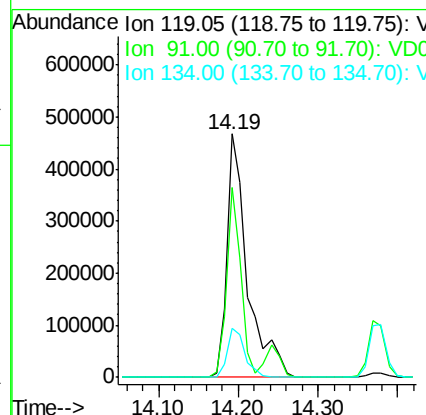
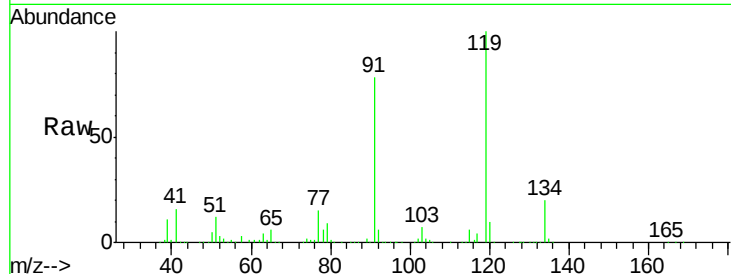
Time-->



#83
 tert-Butylbenzene
 Concen: 22.502 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

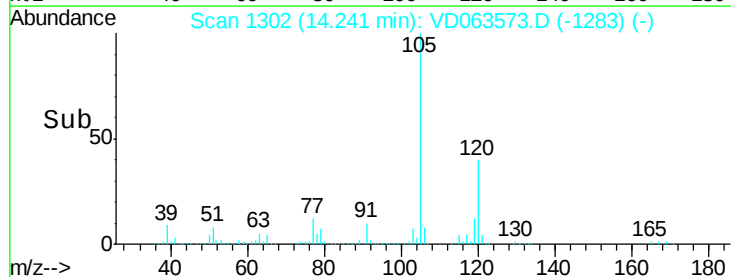
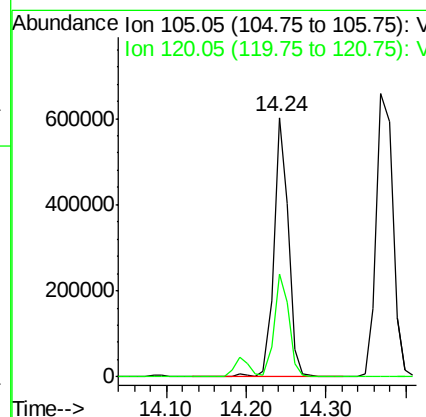
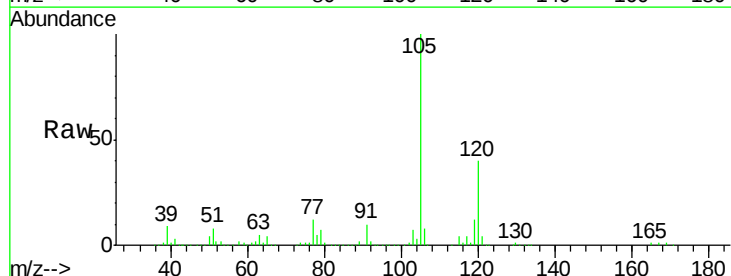
Instrument :
 MSVOA_D
 ClientSampleId :

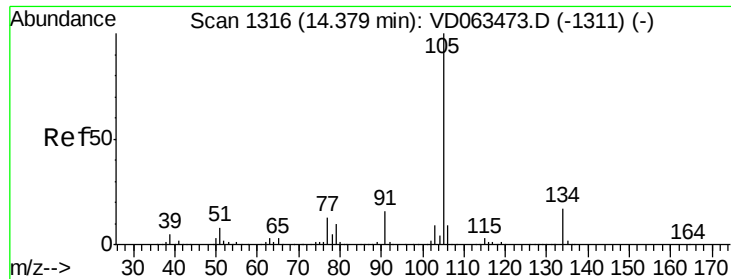
Tot Ion:119 Resp: 847025
 Ion Ratio Lower Upper
 119 100
 91 77.8 35.5 106.7
 134 20.1 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.924 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion:105 Resp: 758232
 Ion Ratio Lower Upper
 105 100
 120 39.7 22.7 68.1

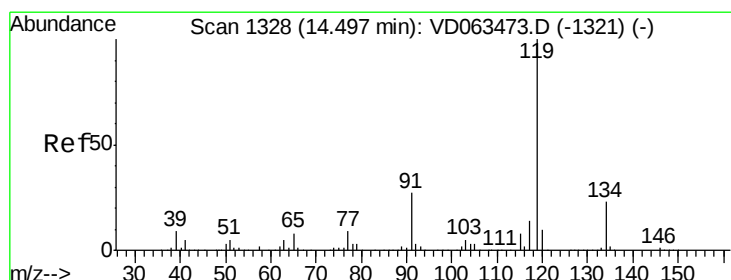
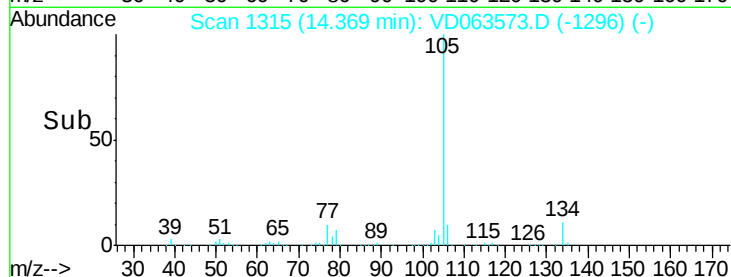
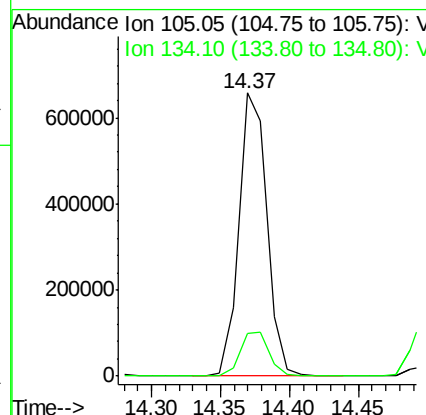
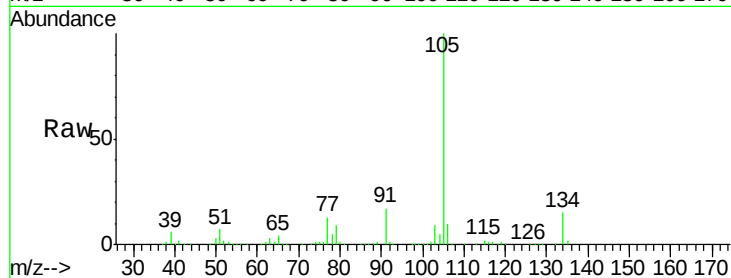




#85
 sec-Butylbenzene
 Concen: 23.344 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

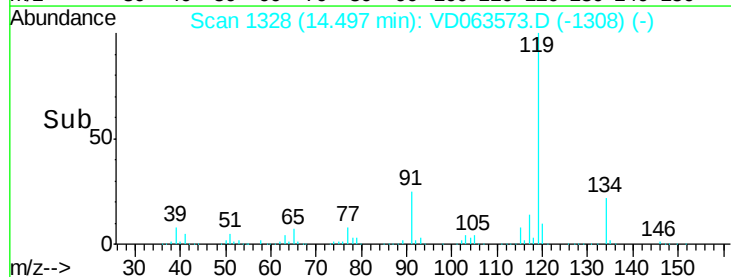
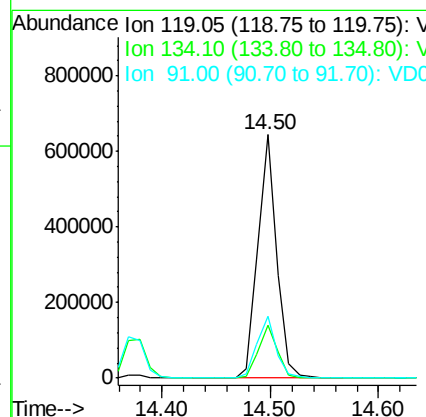
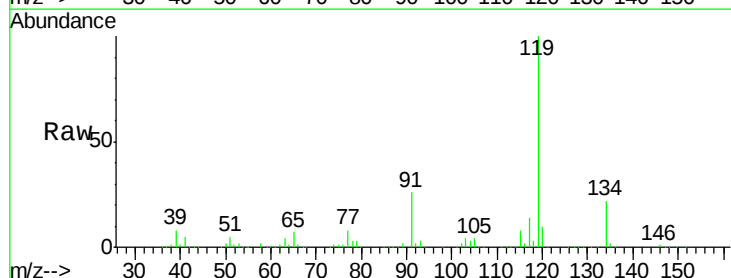
Instrument :
 MSVOA_D
 ClientSampleId :

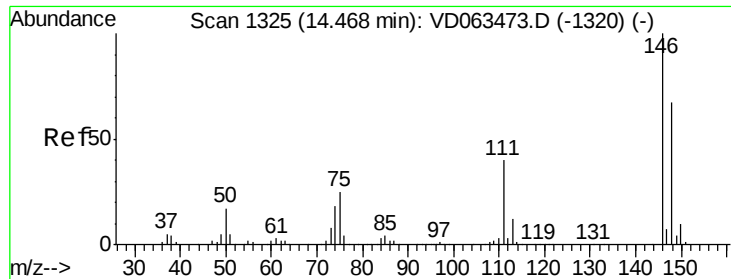
Tot Ion:105 Resp: 933216
 Ion Ratio Lower Upper
 105 100
 134 15.1 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 20.272 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion:119 Resp: 774849
 Ion Ratio Lower Upper
 119 100
 134 21.7 11.3 33.8
 91 25.6 13.5 40.4

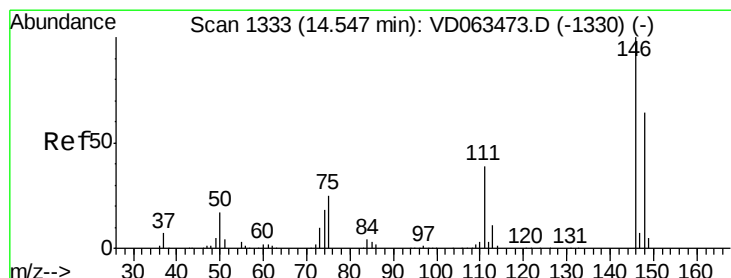
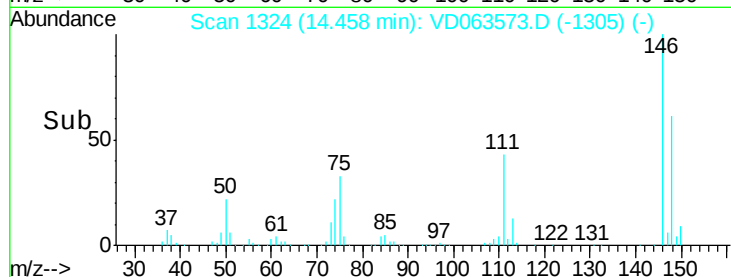
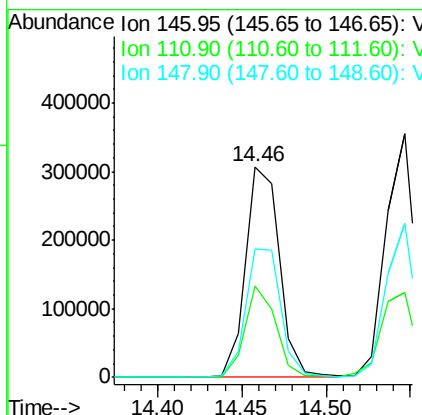
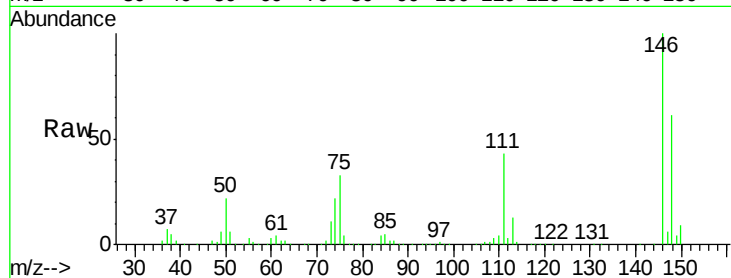




#87
 1,3-Dichlorobenzene
 Concen: 21.217 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

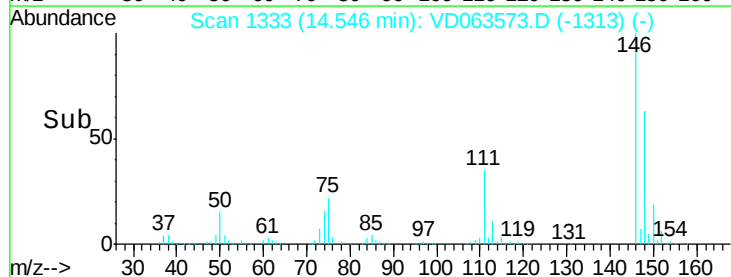
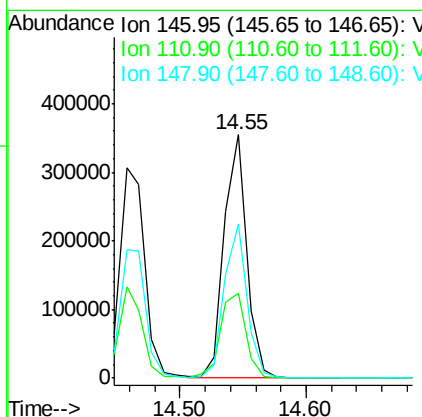
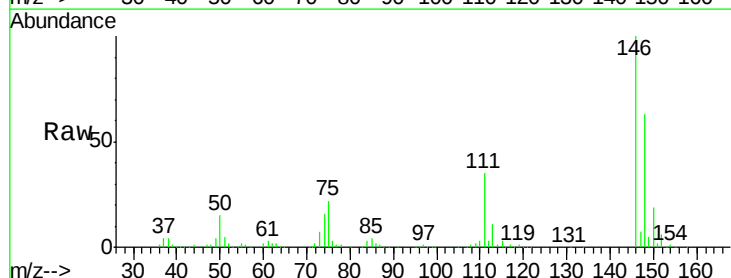
Instrument :
 MSVOA_D
 ClientSampled :

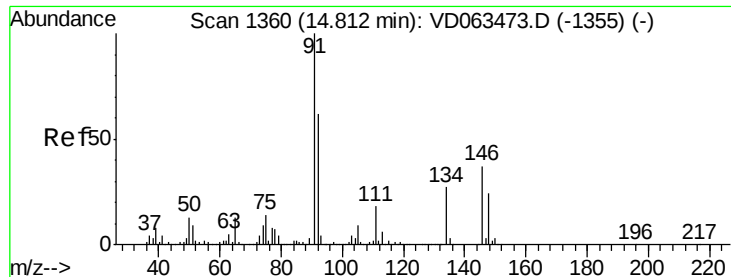
Tot Ion:146 Resp: 429126
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.0 60.0
 148 61.2 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 22.723 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion:146 Resp: 440924
 Ion Ratio Lower Upper
 146 100
 111 34.9 19.7 59.0
 148 63.3 32.1 96.3





#89

n-Butylbenzene

Concen: 23.244 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

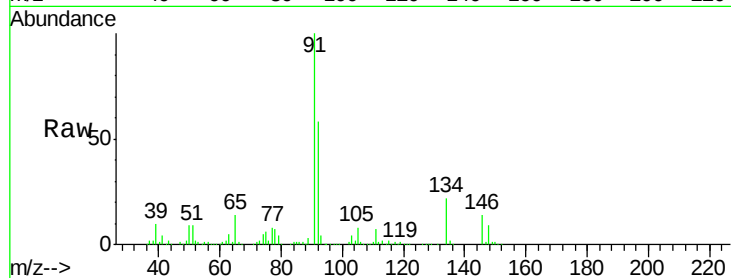
Tot Ion: 91 Resp: 810863

Ion Ratio Lower Upper

91 100

92 57.8 30.8 92.3

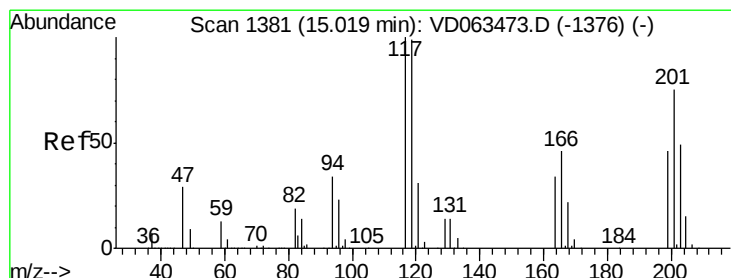
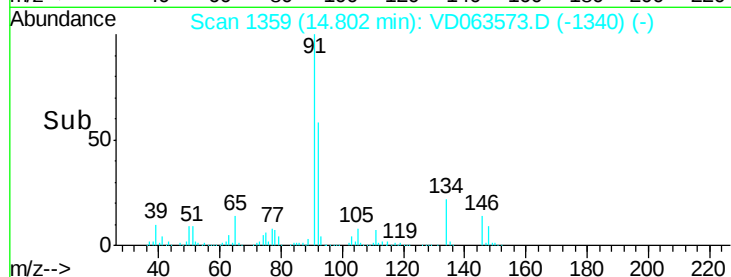
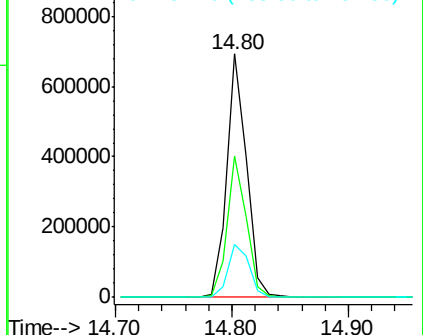
134 21.6 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.296 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063573.D

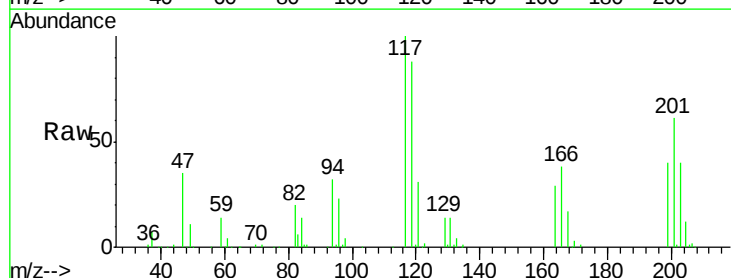
Acq: 14 Aug 2019 14:55

Tgt Ion: 117 Resp: 204597

Ion Ratio Lower Upper

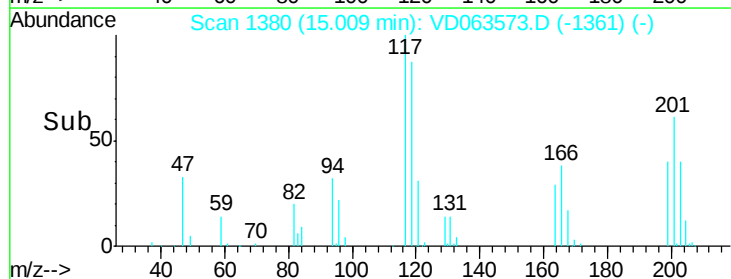
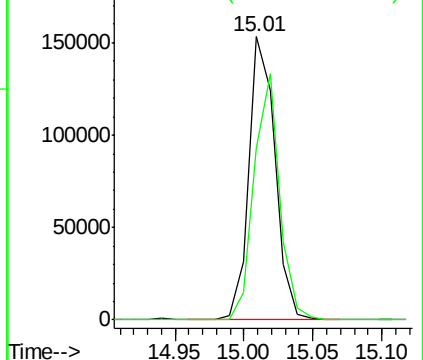
117 100

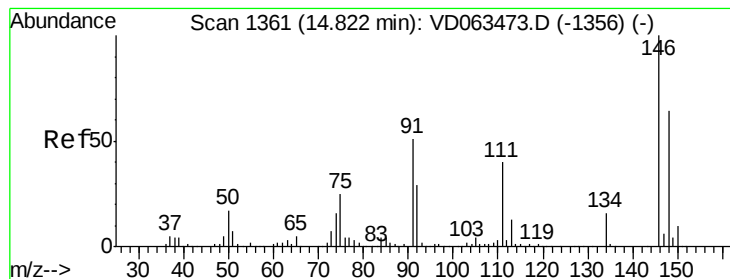
201 60.9 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 23.349 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

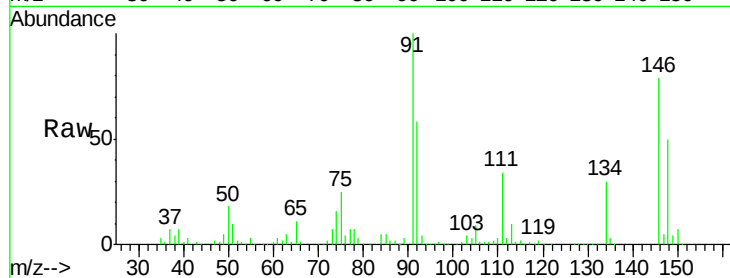
Tot Ion:146 Resp: 400662

Ion Ratio Lower Upper

146 100

111 43.2 20.2 60.6

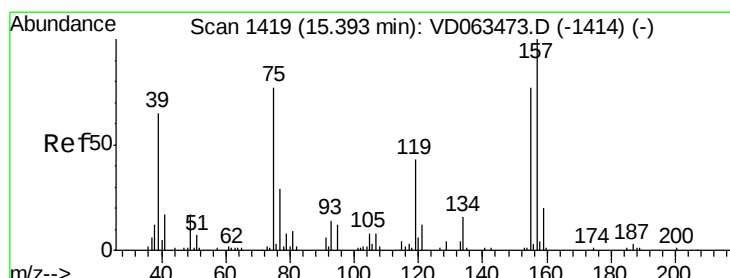
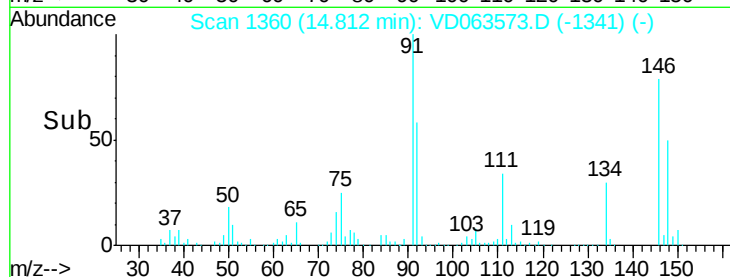
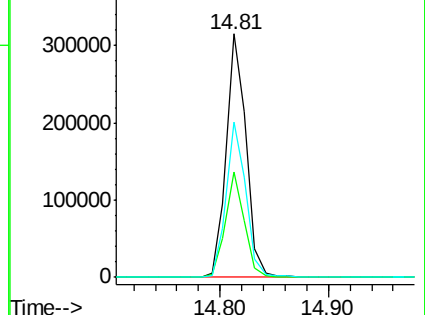
148 63.8 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): 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: 18.305 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

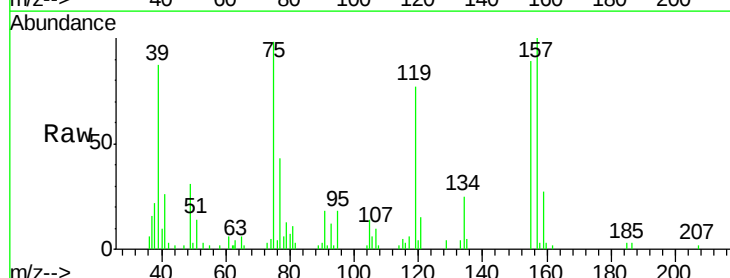
Tgt Ion: 75 Resp: 23406

Ion Ratio Lower Upper

75 100

155 90.6 50.1 150.3

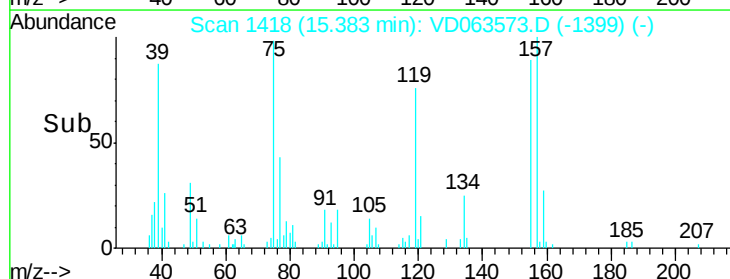
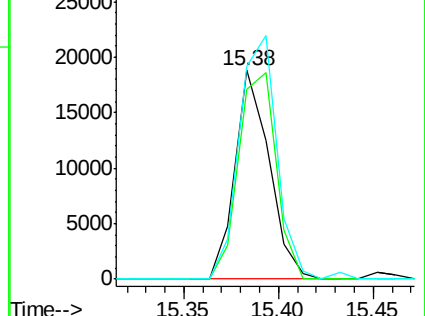
157 102.0 65.0 195.1

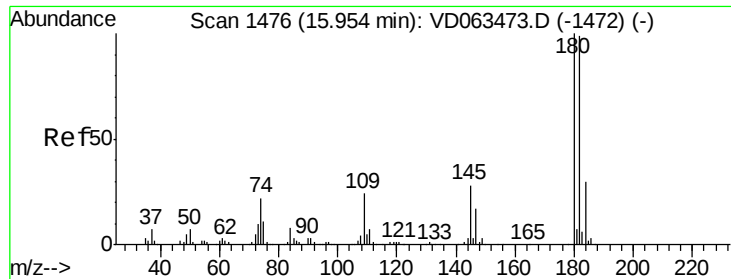


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

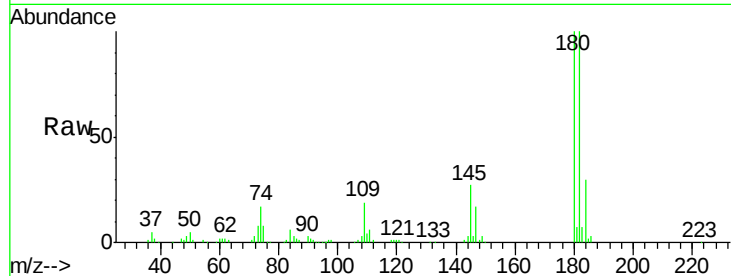




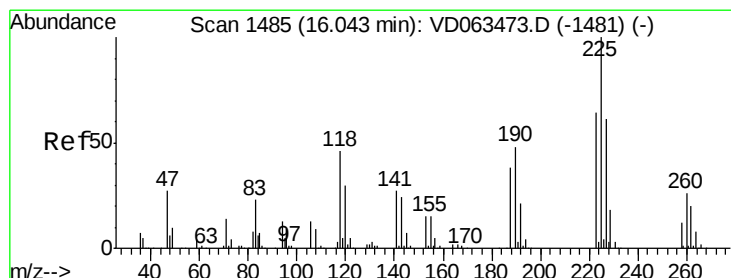
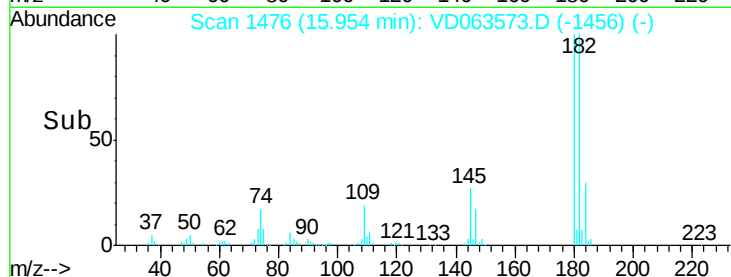
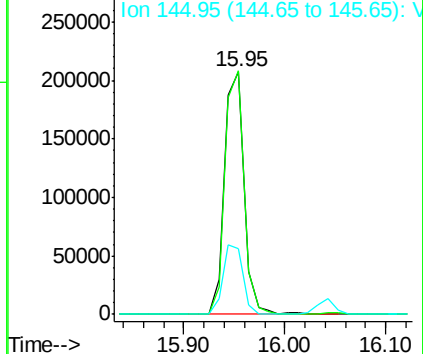
#93
 1,2,4-Trichlorobenzene
 Concen: 22.306 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 281652
 Ion Ratio Lower Upper
 180 100
 182 100.4 49.7 149.1
 145 27.2 14.1 42.2

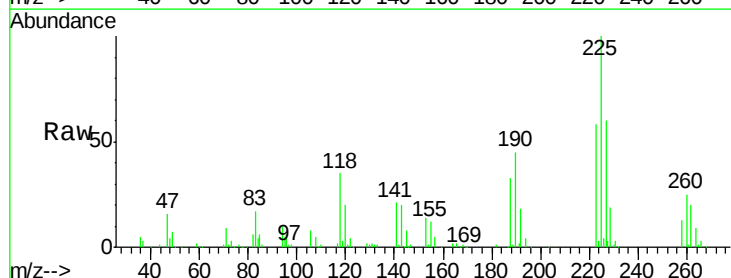


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

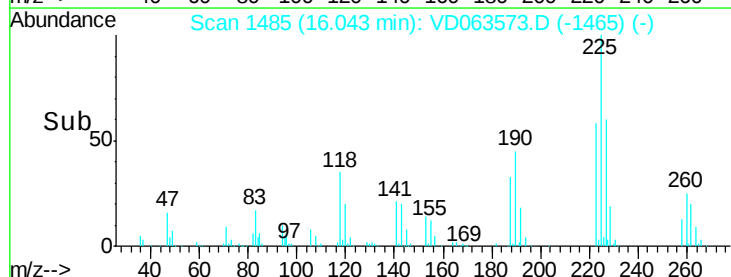
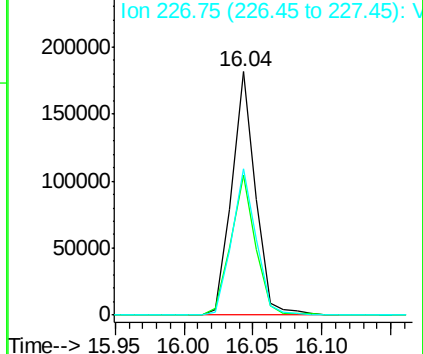


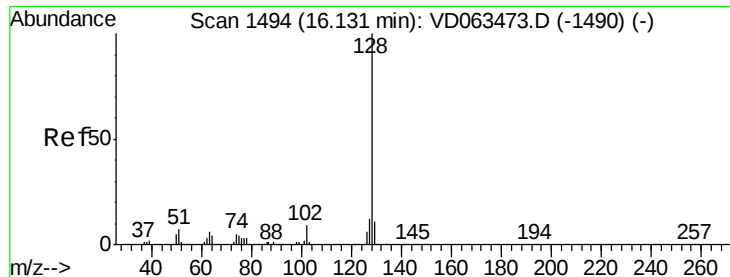
#94
 Hexachlorobutadiene
 Concen: 22.638 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD063573.D
 Acq: 14 Aug 2019 14:55

Tgt Ion:225 Resp: 217851
 Ion Ratio Lower Upper
 225 100
 223 57.6 31.9 95.5
 227 60.2 30.7 92.1



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.891 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

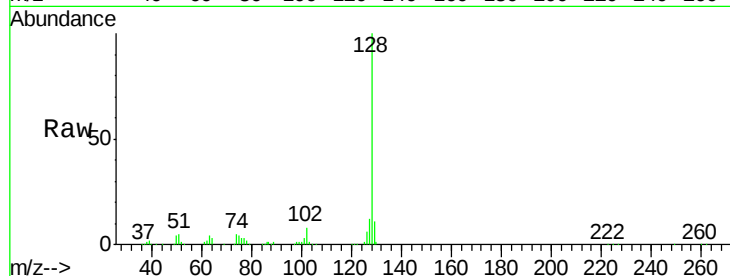
Tot Ion:128 Resp: 418898

Ion Ratio Lower Upper

128 100

127 12.2 9.4 14.0

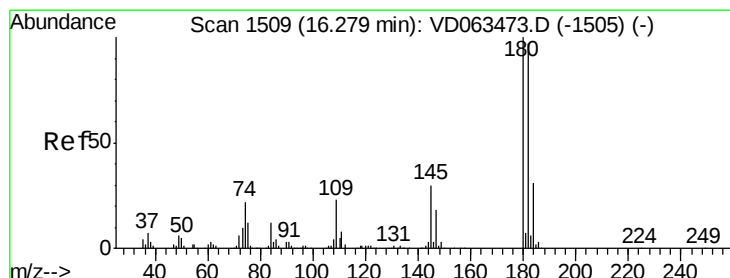
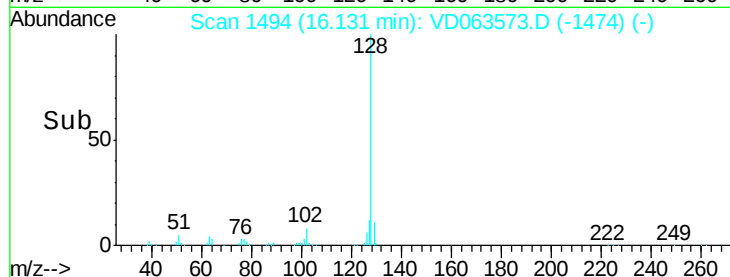
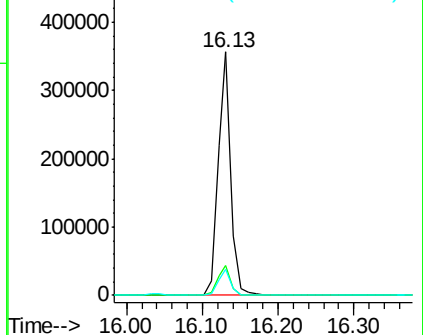
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.967 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD063573.D

Acq: 14 Aug 2019 14:55

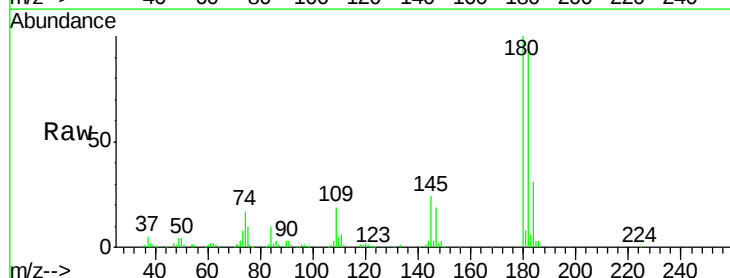
Tgt Ion:180 Resp: 213833

Ion Ratio Lower Upper

180 100

182 93.8 48.4 145.2

145 23.9 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

