

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063084.D
 Acq On : 15 Jul 2019 16:54
 Operator : VA/AP
 Sample : VD0715SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Quant Time: Jul 16 08:21:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	717782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1039562	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	868009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470104	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	487406	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	6.91	113	542372	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
50) Toluene-d8	10.40	98	1161153	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	13.55	95	493464	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	217364	27.442	ug/l	92
3) Chloromethane	1.75	50	167868	24.077	ug/l	92
4) Vinyl Chloride	1.84	62	172151	22.472	ug/l	99
5) Bromomethane	2.14	94	60739	18.747	ug/l #	91
6) Chloroethane	2.25	64	77129	21.674	ug/l #	86
7) Trichlorofluoromethane	2.51	101	341317	22.009	ug/l	95
8) Diethyl Ether	2.86	74	54260	24.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.13	101	187034	20.916	ug/l	91
10) Methyl Iodide	3.29	142	234812	21.389	ug/l	99
11) Tert butyl alcohol	4.08	59	53659	103.987	ug/l #	85
12) 1,1-Dichloroethene	3.11	96	141814	22.333	ug/l	96
13) Acrolein	3.03	56	21063	135.243	ug/l #	83
14) Allyl chloride	3.61	41	220552	22.100	ug/l	98
15) Acrylonitrile	4.19	53	133187	116.763	ug/l	91
16) Acetone	3.22	43	203265	94.122	ug/l #	91
17) Carbon Disulfide	3.36	76	405407	22.305	ug/l #	94
18) Methyl Acetate	3.64	43	96587	31.589	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	351114	21.904	ug/l	97
20) Methylene Chloride	3.80	84	167723	20.557	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	159202	22.585	ug/l	95
22) Diisopropyl ether	5.12	45	477265	21.996	ug/l	94
23) Vinyl Acetate	5.05	43	1375717	108.675	ug/l	99
24) 1,1-Dichloroethane	4.97	63	297695	22.273	ug/l #	96
25) 2-Butanone	6.07	43	219372	106.376	ug/l	98
26) 2,2-Dichloropropane	6.02	77	326710	22.086	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	167033	20.830	ug/l	88
28) Bromochloromethane	6.43	49	119246	24.592	ug/l	89
29) Tetrahydrofuran	6.46	42	101936	109.043	ug/l	97
30) Chloroform	6.66	83	373766	22.706	ug/l	95
31) Cyclohexane	6.94	56	188499	22.145	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	350779	21.611	ug/l	95
36) 1,1-Dichloropropene	7.14	75	243057	20.789	ug/l	95
37) Ethyl Acetate	6.18	43	105064	20.997	ug/l	95
38) Carbon Tetrachloride	7.10	117	343071	19.311	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	210388	20.814	ug/l	96
40) Benzene	7.45	78	501997	20.500	ug/l	99
41) Methacrylonitrile	6.44	41	142285	20.974	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	250618	19.210	ug/l	96
43) Isopropyl Acetate	9.24	43	149035	20.780	ug/l #	99
44) Trichloroethene	8.53	130	204342	21.593	ug/l	97
45) 1,2-Dichloropropane	8.93	63	122289	20.030	ug/l	99
46) Dibromomethane	9.06	93	104858	19.987	ug/l	98
47) Bromodichloromethane	9.37	83	271106	19.802	ug/l	96
48) Methyl methacrylate	9.12	41	97245	20.647	ug/l	94
49) 1,4-Dioxane	9.08	88	17057	419.921	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	493465	103.735	ug/l	95
52) Toluene	10.50	92	333985	20.425	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	239799	20.444	ug/l	92
54) cis-1,3-Dichloropropene	10.03	75	242697	20.011	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	116976	20.700	ug/l	96
56) Ethyl methacrylate	11.04	69	128095	20.288	ug/l	91
57) 1,3-Dichloropropane	11.40	76	173798	20.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	348392	99.100	ug/l	97
59) 2-Hexanone	11.53	43	363823	99.171	ug/l	97
60) Dibromochloromethane	11.68	129	212137	19.584	ug/l	95
61) 1,2-Dibromoethane	11.80	107	143233	21.175	ug/l	97
64) Tetrachloroethene	11.25	164	175577	20.846	ug/l	98
65) Chlorobenzene	12.40	112	411535	20.169	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	189488	20.030	ug/l	94
67) Ethyl Benzene	12.52	91	718765	20.274	ug/l	100
68) m/p-Xylenes	12.66	106	538395	42.399	ug/l	99
69) o-Xylene	13.05	106	235664	19.572	ug/l	99
70) Styrene	13.07	104	429165	20.363	ug/l	99
71) Bromoform	13.23	173	136122	20.553	ug/l	97
73) Isopropylbenzene	13.40	105	772989	21.292	ug/l	99
74) N-amyl acetate	13.26	43	200293	19.782	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	128907	19.515	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	144503	19.982	ug/l	97
77) Bromobenzene	13.67	156	206940	20.100	ug/l	92
78) n-propylbenzene	13.77	91	818504	19.591	ug/l	97
79) 2-Chlorotoluene	13.83	91	519827	20.579	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	670588	21.193	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	37448	19.665	ug/l	96
82) 4-Chlorotoluene	13.94	91	635021	21.528	ug/l	97
83) tert-Butylbenzene	14.19	119	722242	20.187	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	641981	20.351	ug/l	99
85) sec-Butylbenzene	14.37	105	781135	20.549	ug/l	98
86) p-Isopropyltoluene	14.48	119	723494	20.402	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	372363	20.252	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	366803	20.810	ug/l	98
89) n-Butylbenzene	14.79	91	676169	20.688	ug/l	98
90) Hexachloroethane	15.01	117	189595	20.000	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	324525	19.822	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25700	20.298	ug/l #	54

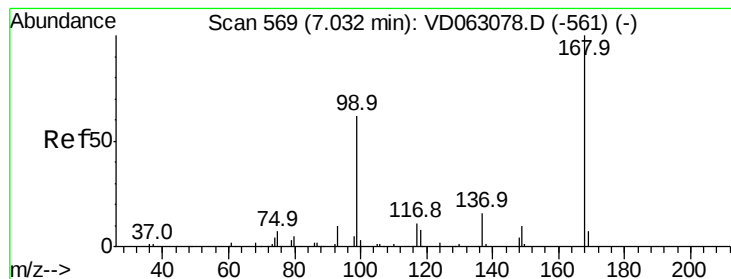
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
Data File : VD063084.D
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Operator : VA/AP
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	261869	21.290	ug/l	98
94) Hexachlorobutadiene	16.03	225	204775	22.586	ug/l	97
95) Naphthalene	16.12	128	372195	20.686	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	196573	19.866	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

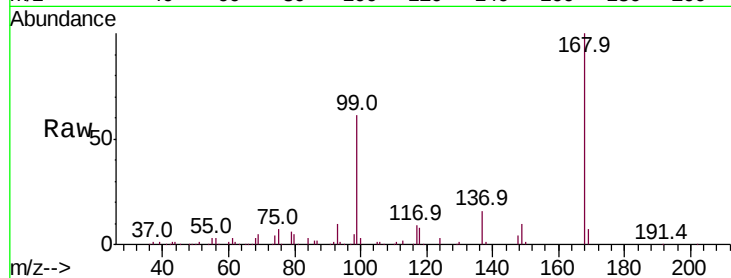
VD0715SBS01

Tot Ion:168 Resp: 717782

Ion Ratio Lower Upper

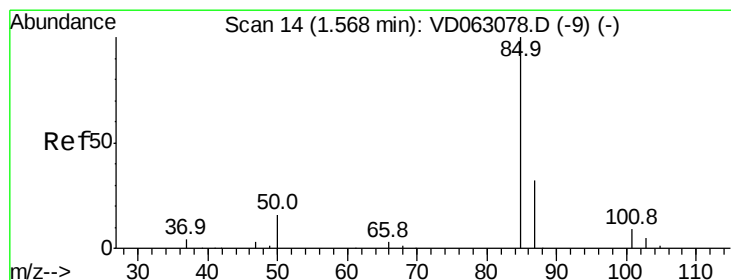
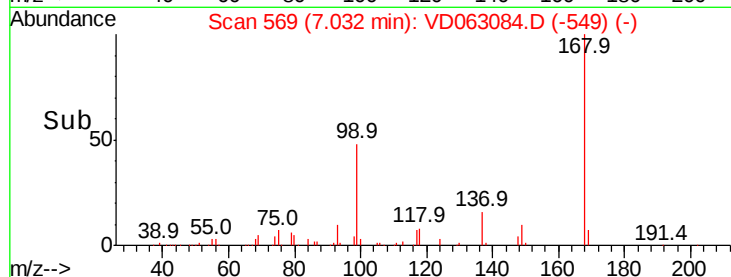
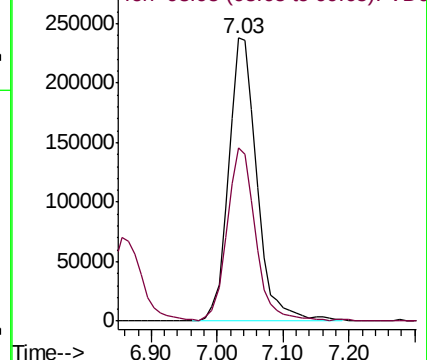
168 100

99 61.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 27.442 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063084.D

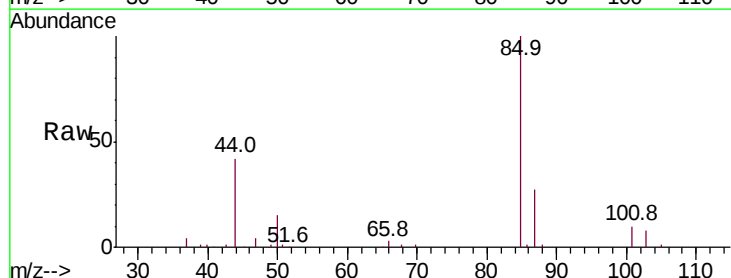
Acq: 15 Jul 2019 16:54

Tgt Ion: 85 Resp: 217364

Ion Ratio Lower Upper

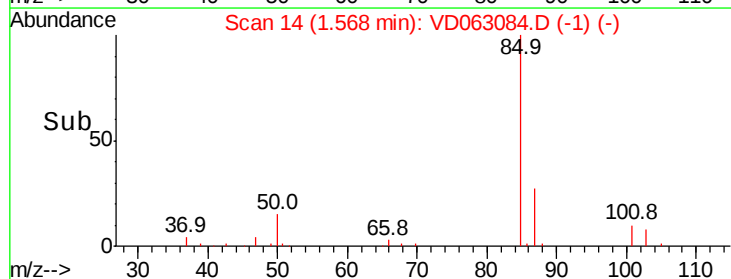
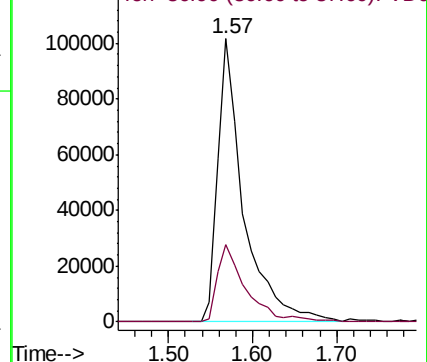
85 100

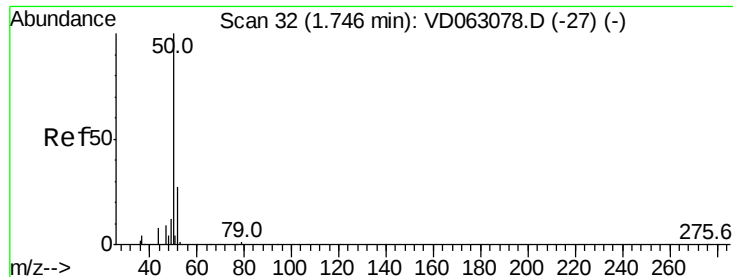
87 27.2 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

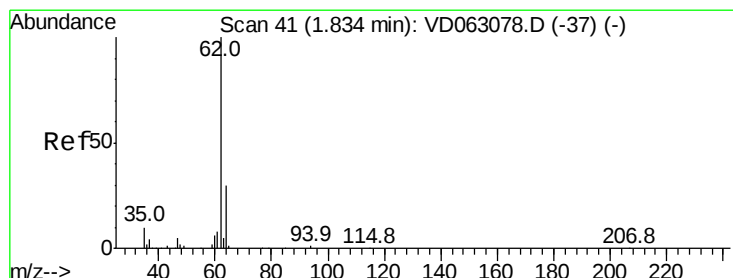
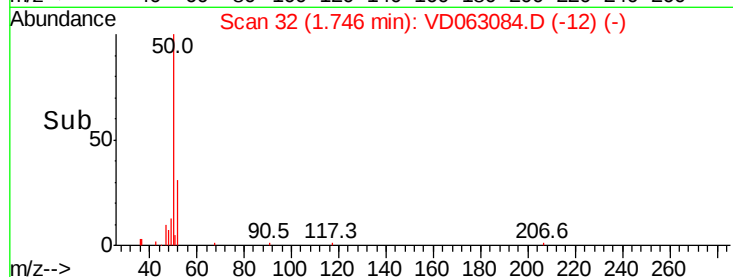
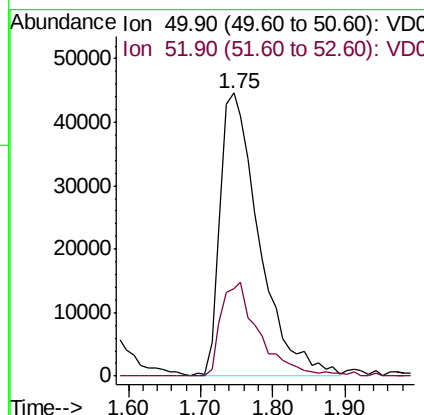
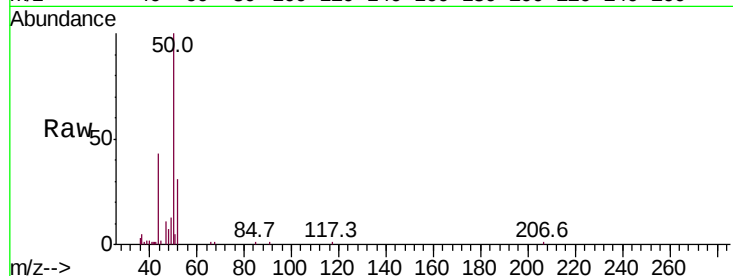




#3
Chloromethane
Concen: 24.077 ug/l
RT: 1.75 min Scan# 32
Delta R.T. 0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

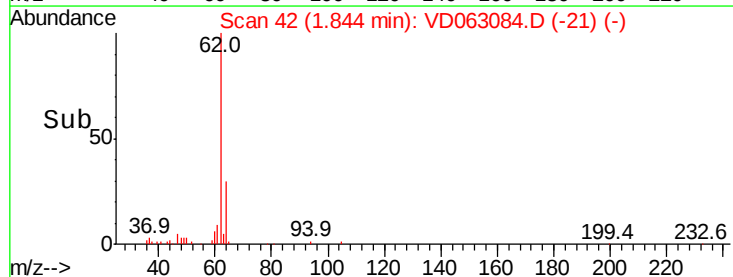
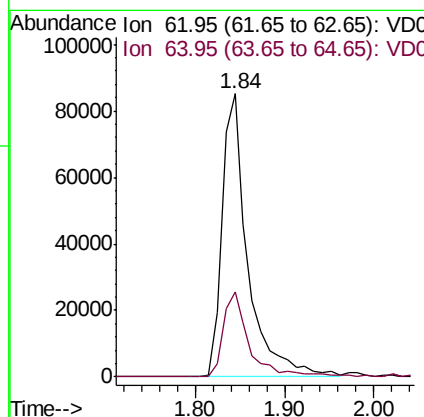
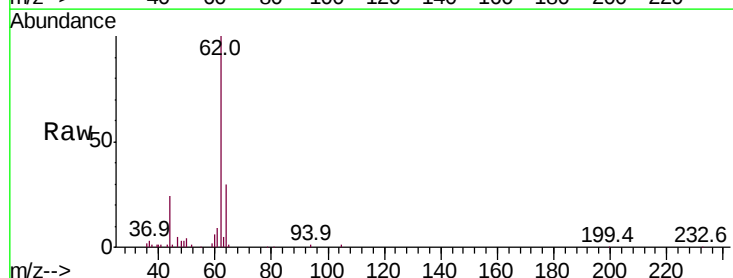
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

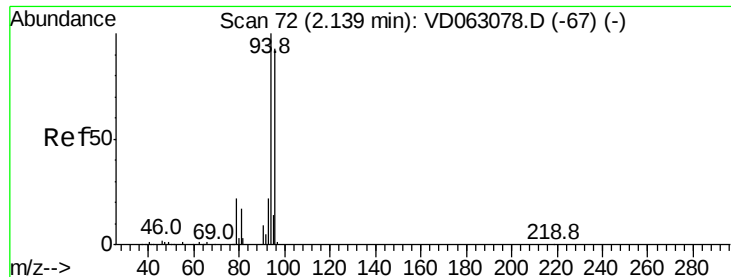
Tot Ion: 50 Resp: 167868
Ion Ratio Lower Upper
50 100
52 30.9 21.4 32.2



#4
Vinyl Chloride
Concen: 22.472 ug/l
RT: 1.84 min Scan# 42
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion: 62 Resp: 172151
Ion Ratio Lower Upper
62 100
64 29.9 24.4 36.6





#5

Bromomethane

Concen: 18.747 ug/l

RT: 2.14 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

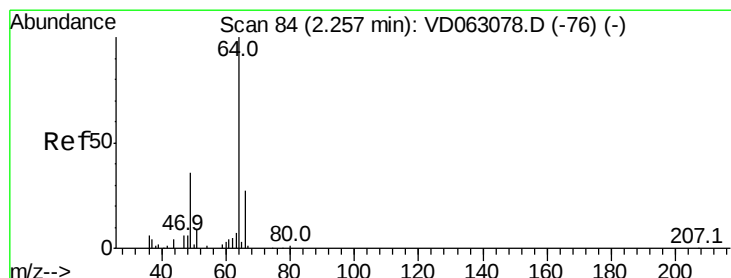
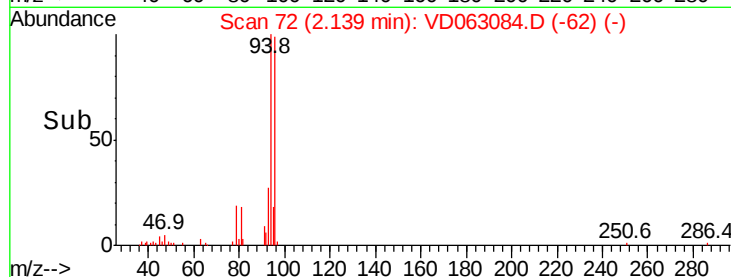
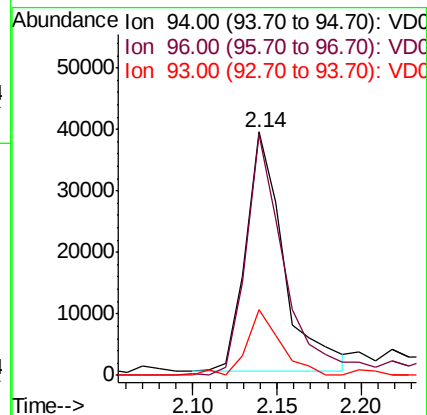
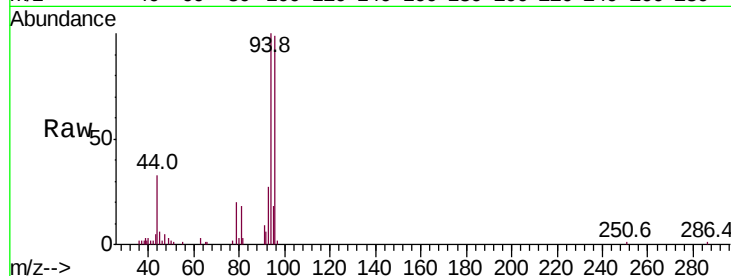
Tot Ion: 94 Resp: 60739

Ion Ratio Lower Upper

94 100

96 100.6 74.2 111.2

93 26.9 17.8 26.6#



#6

Chloroethane

Concen: 21.674 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD063084.D

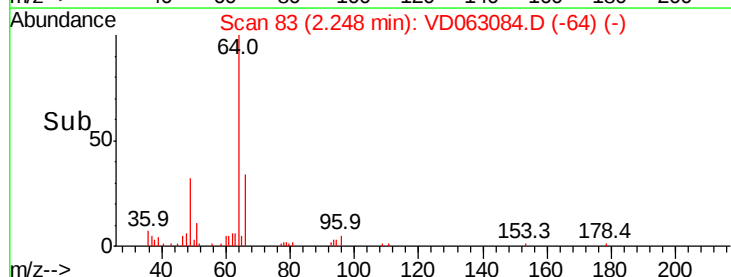
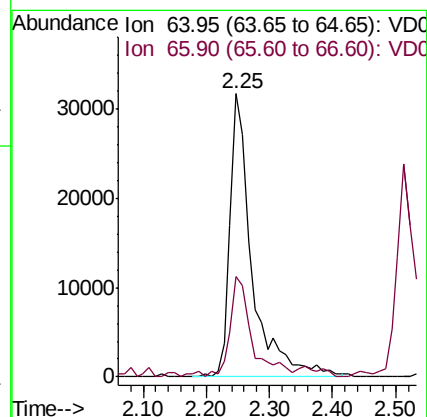
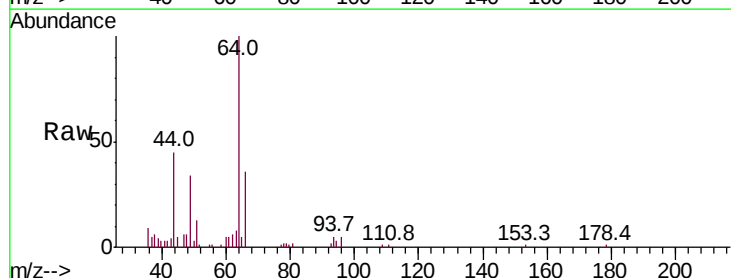
Acq: 15 Jul 2019 16:54

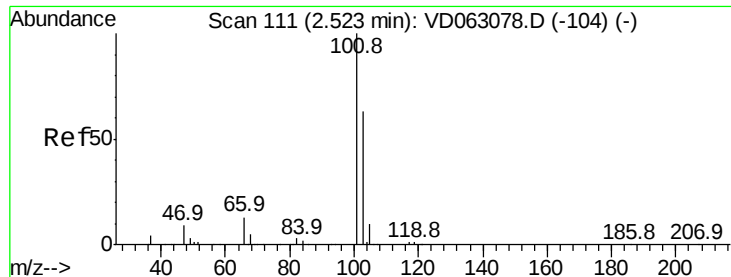
Tgt Ion: 64 Resp: 77129

Ion Ratio Lower Upper

64 100

66 35.6 22.5 33.7#



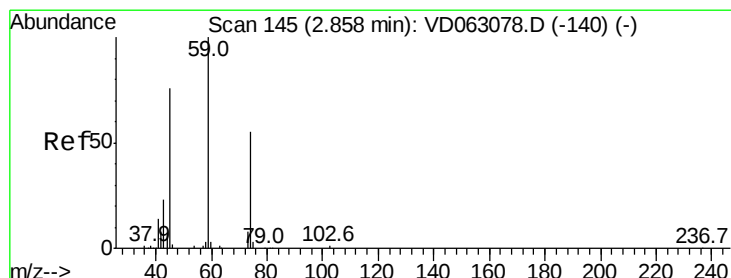
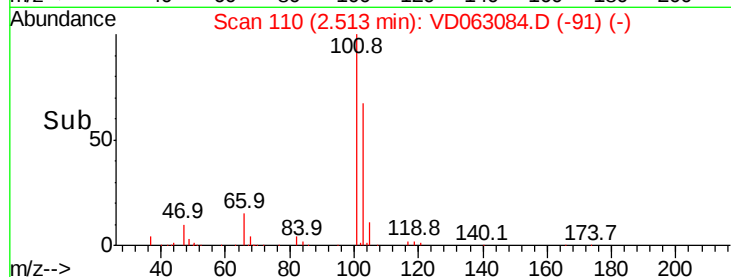
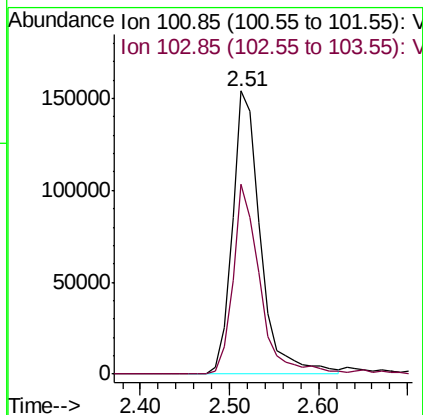
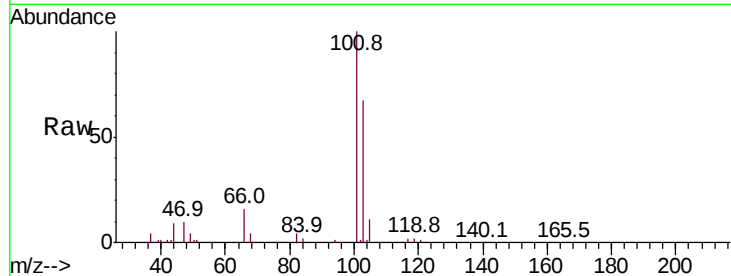


#7

Trichlorofluoromethane
 Concen: 22.009 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

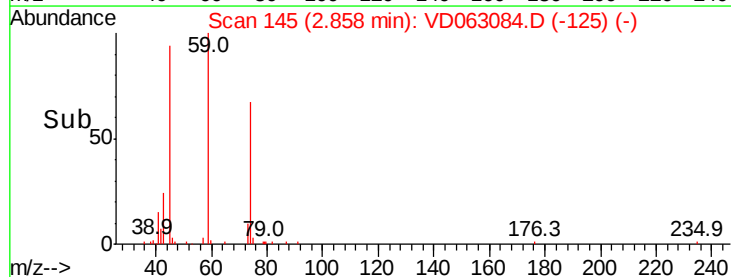
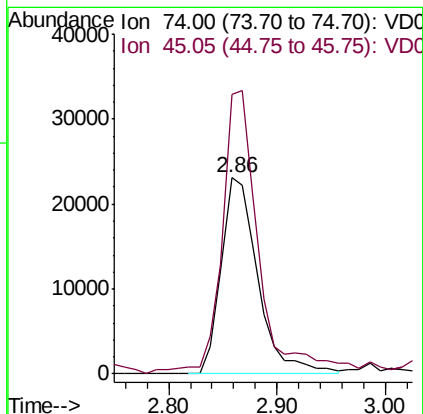
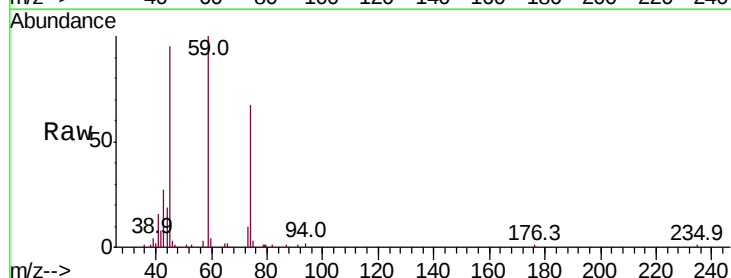
Tot Ion:101 Resp: 341317
 Ion Ratio Lower Upper
 101 100
 103 67.0 50.6 76.0

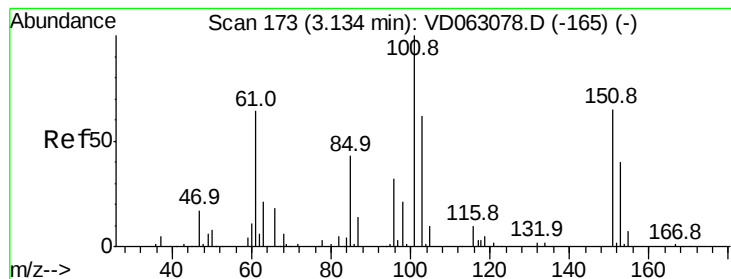


#8

Diethyl Ether
 Concen: 24.873 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion: 74 Resp: 54260
 Ion Ratio Lower Upper
 74 100
 45 142.3 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.916 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

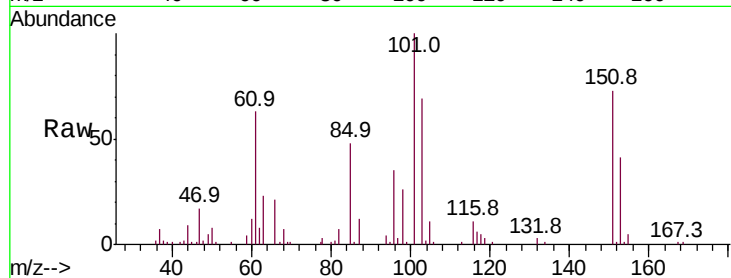
Tot Ion:101 Resp: 187034

Ion Ratio Lower Upper

101 100

85 47.8 34.6 51.8

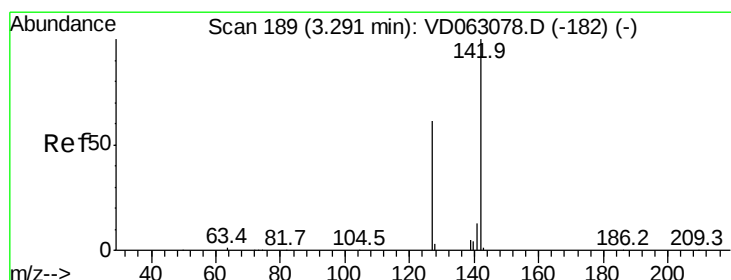
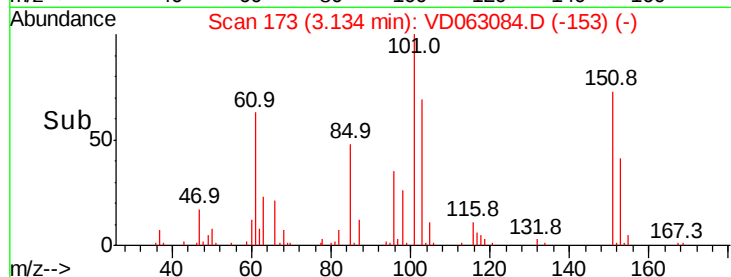
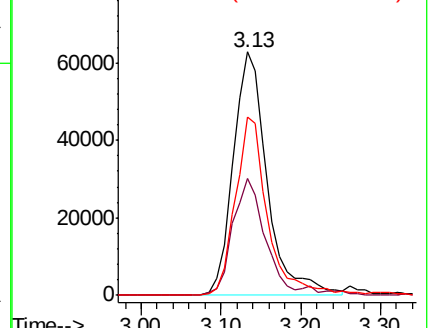
151 73.5 52.4 78.6



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: 21.389 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

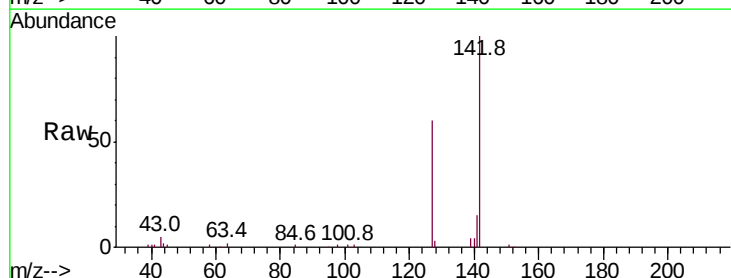
Tgt Ion:142 Resp: 234812

Ion Ratio Lower Upper

142 100

127 60.0 48.6 73.0

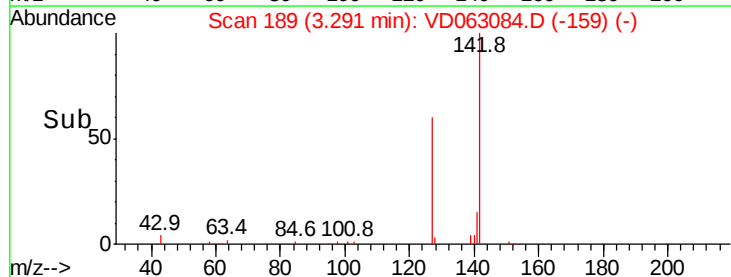
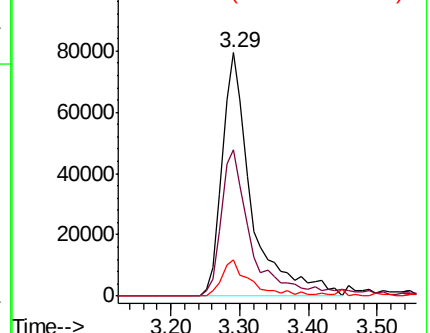
141 14.7 10.6 16.0

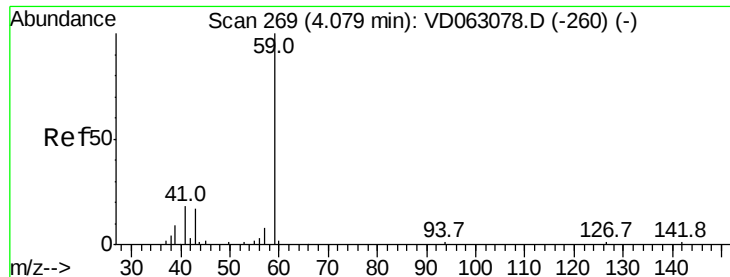


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



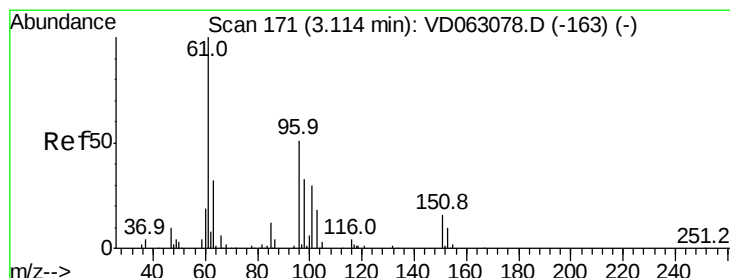
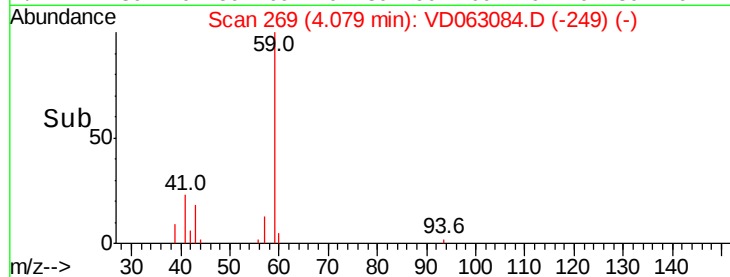
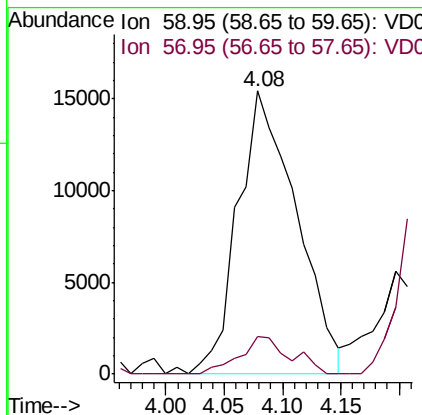
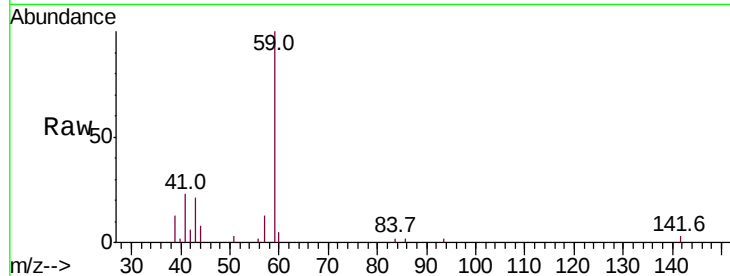


#11

Tert butyl alcohol
 Concen: 103.987 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

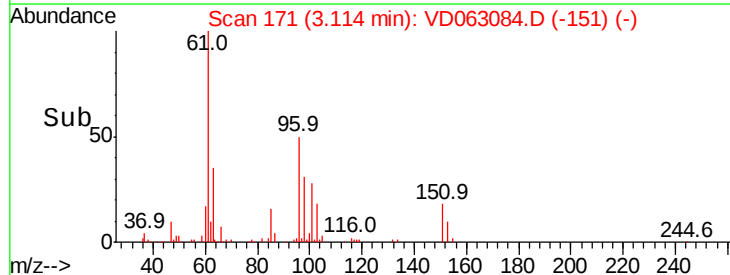
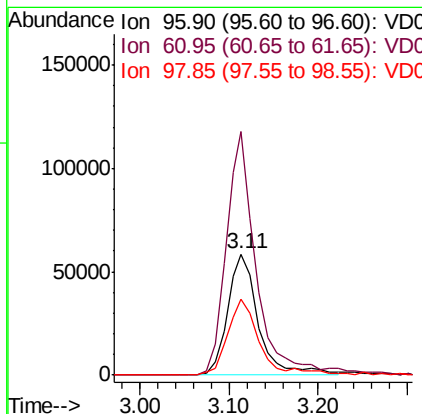
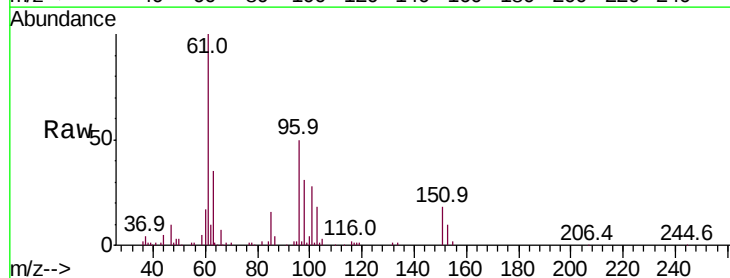
Tot Ion: 59 Resp: 53659
 Ion Ratio Lower Upper
 59 100
 57 13.4 6.4 9.6#

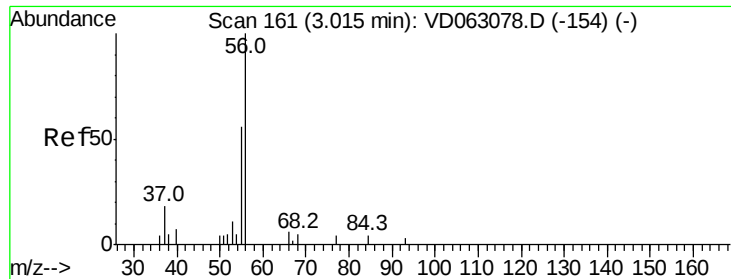


#12

1,1-Dichloroethene
 Concen: 22.333 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion: 96 Resp: 141814
 Ion Ratio Lower Upper
 96 100
 61 201.2 155.5 233.3
 98 62.7 51.5 77.3





#13

Acrolein

Concen: 135.243 ug/l

RT: 3.03 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

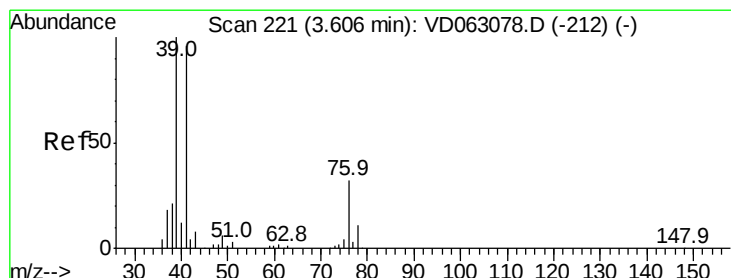
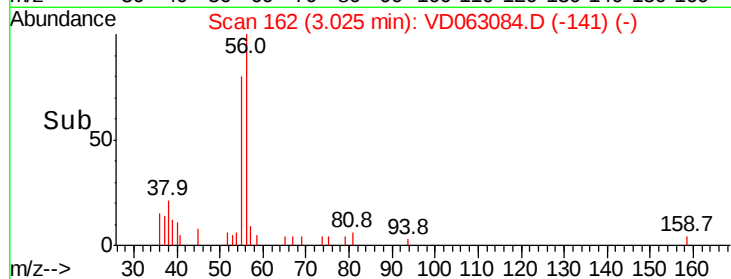
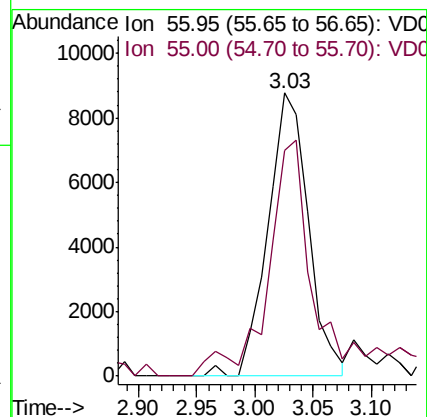
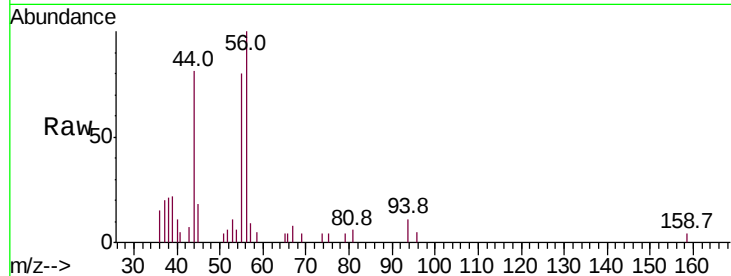
VD0715SBS01

Tot Ion: 56 Resp: 21063

Ion Ratio Lower Upper

56 100

55 79.9 53.0 79.4#



#14

Allyl chloride

Concen: 22.100 ug/l

RT: 3.61 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

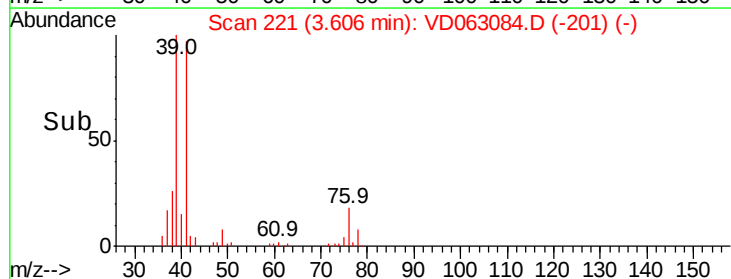
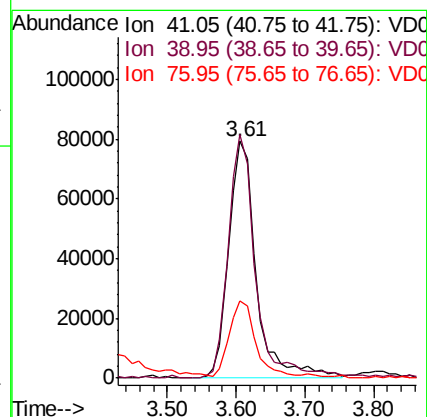
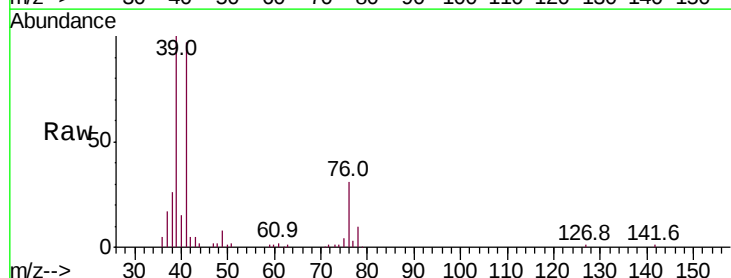
Tgt Ion: 41 Resp: 220552

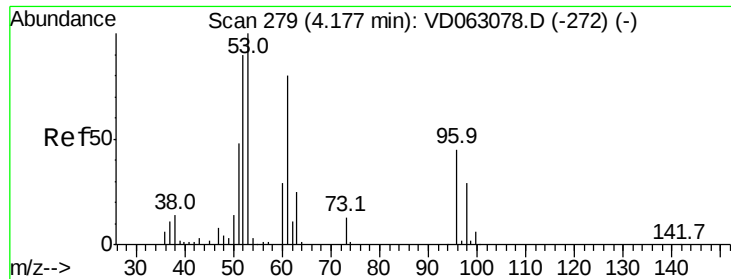
Ion Ratio Lower Upper

41 100

39 102.7 83.5 125.3

76 32.3 27.8 41.8

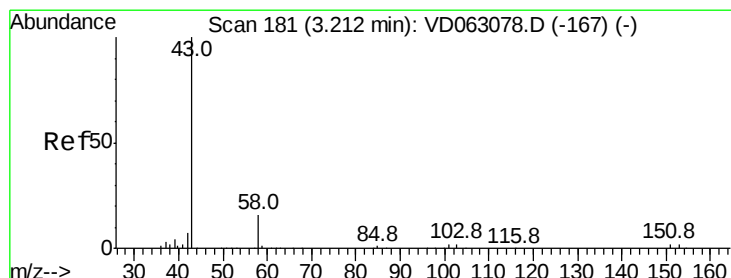
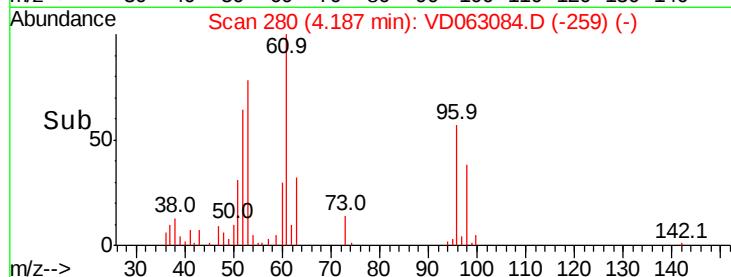
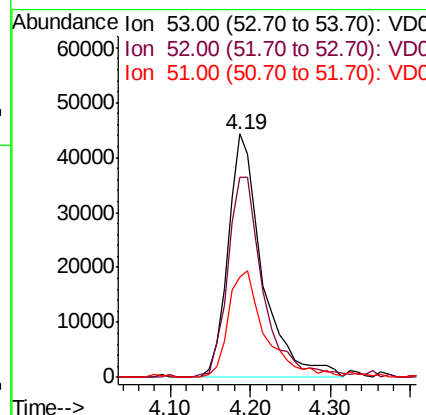
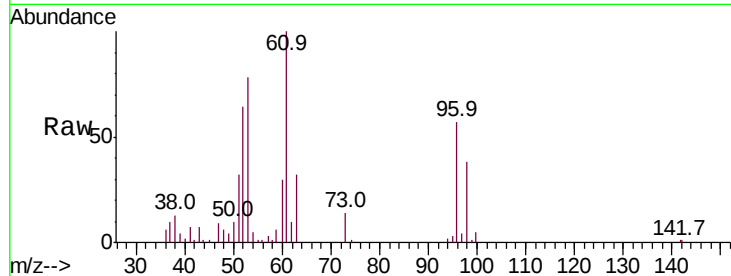




#15
 Acrylonitrile
 Concen: 116.763 ug/l
 RT: 4.19 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

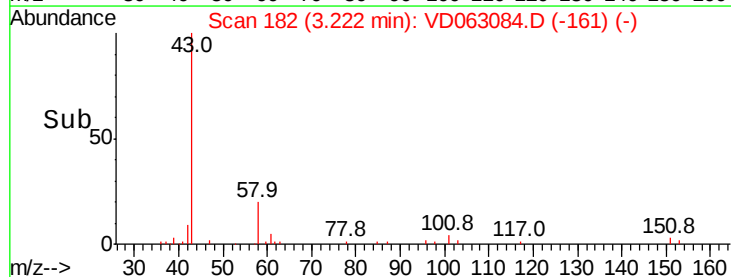
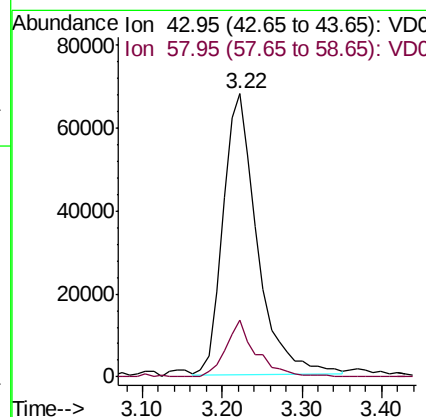
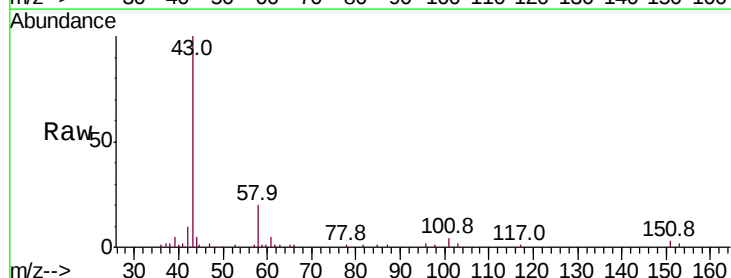
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

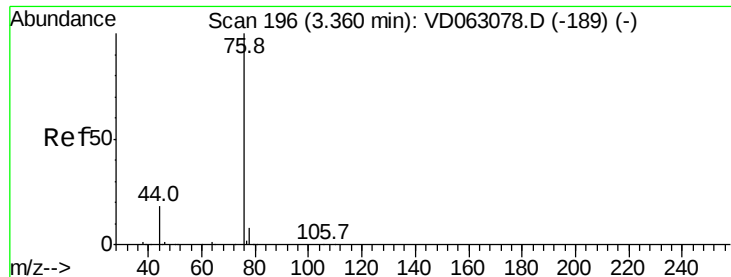
Tot Ion: 53 Resp: 133187
 Ion Ratio Lower Upper
 53 100
 52 82.3 72.3 108.5
 51 41.2 38.0 57.0



#16
 Acetone
 Concen: 94.122 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion: 43 Resp: 203265
 Ion Ratio Lower Upper
 43 100
 58 20.0 13.0 19.4#





#17

Carbon Disulfide

Concen: 22.305 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

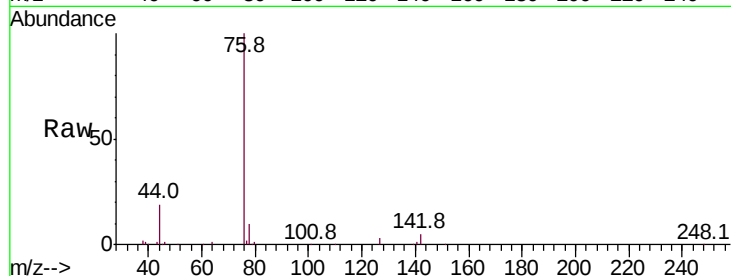
VD0715SBS01

Tot Ion: 76 Resp: 405407

Ion Ratio Lower Upper

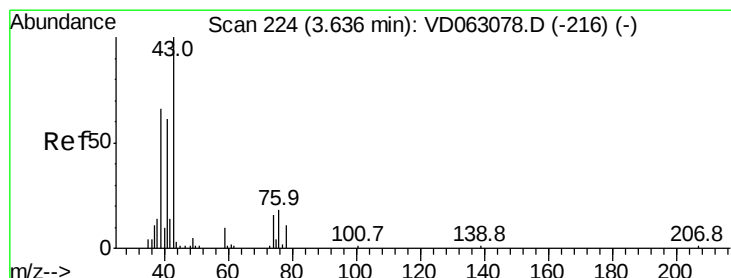
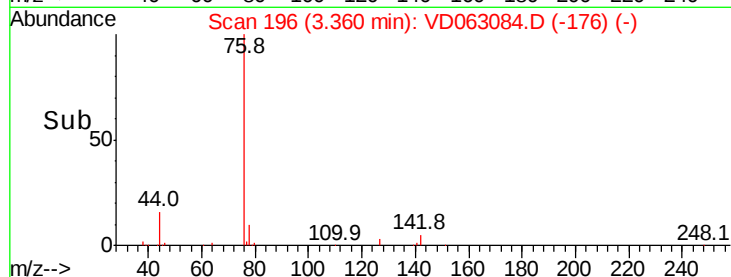
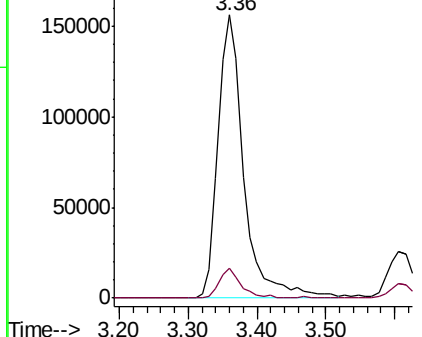
76 100

78 10.4 6.7 10.1#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 31.589 ug/l

RT: 3.64 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063084.D

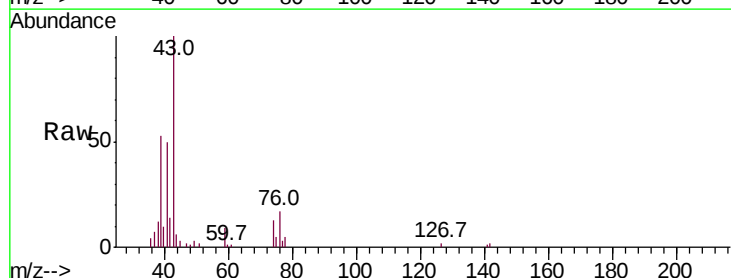
Acq: 15 Jul 2019 16:54

Tgt Ion: 43 Resp: 96587

Ion Ratio Lower Upper

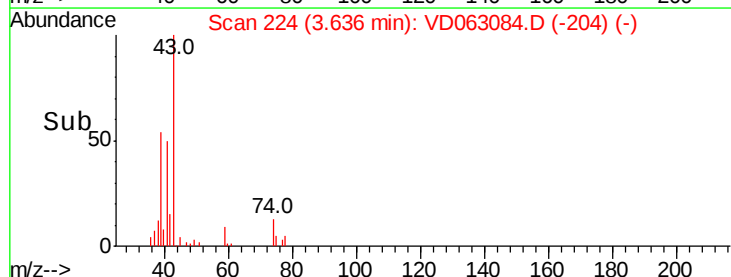
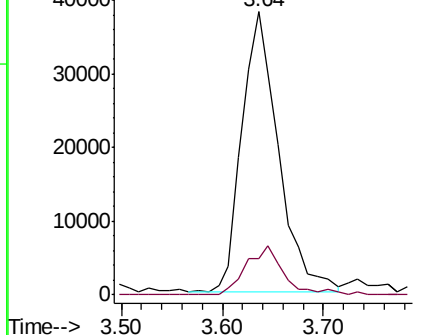
43 100

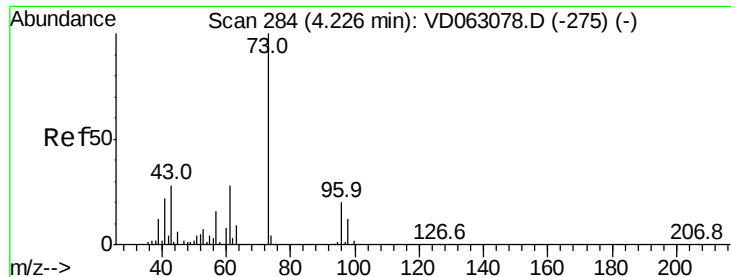
74 13.0 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



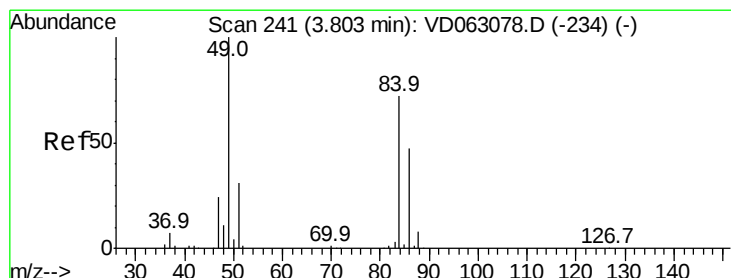
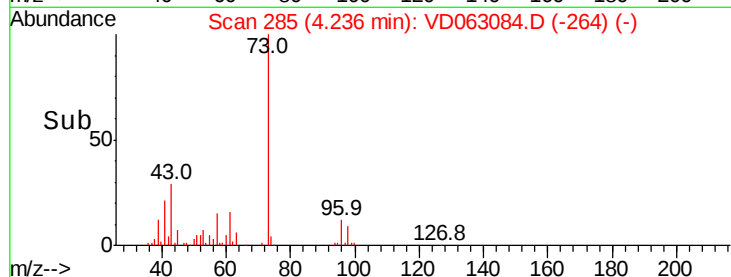
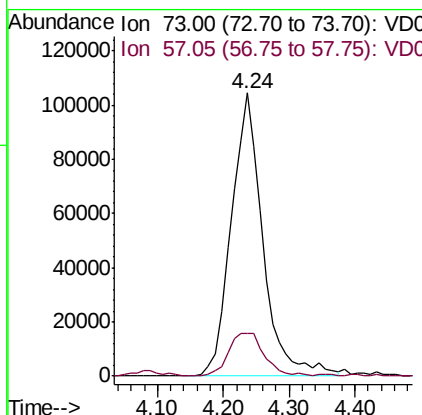
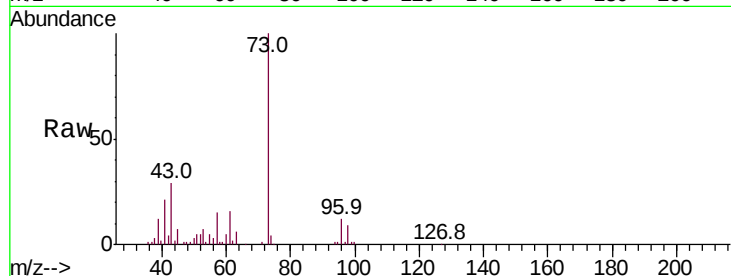


#19

Methyl tert-butyl Ether
 Concen: 21.904 ug/l
 RT: 4.24 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

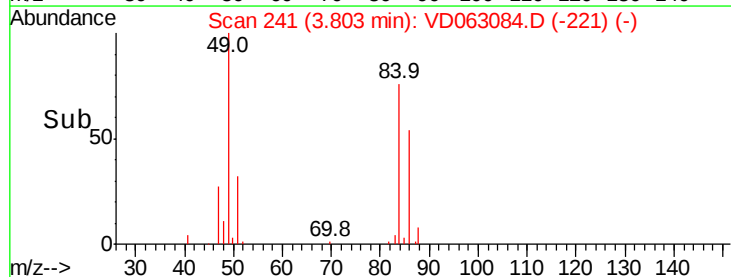
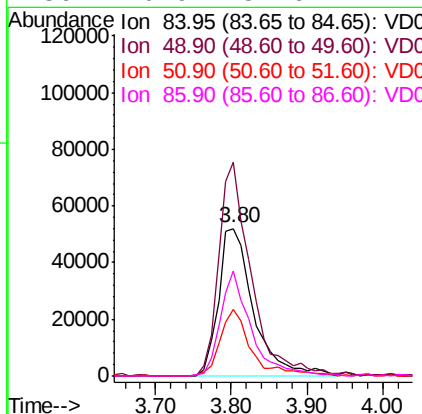
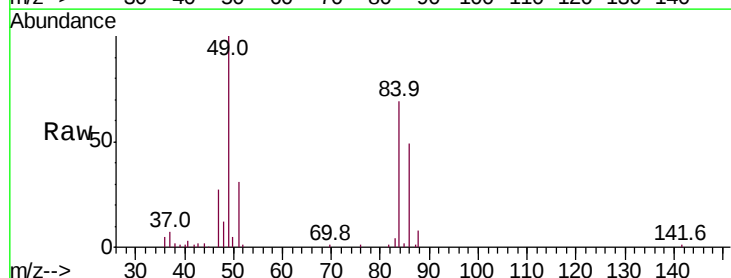
Tot Ion: 73 Resp: 351114
 Ion Ratio Lower Upper
 73 100
 57 14.9 13.1 19.7

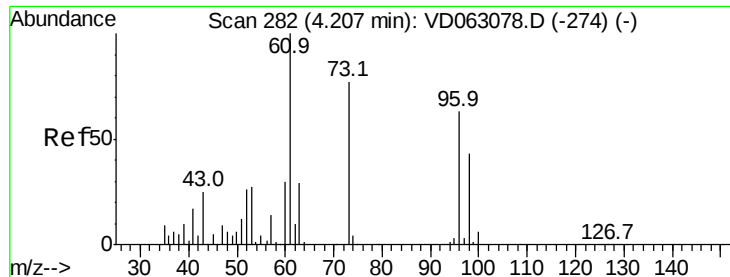


#20

Methylene Chloride
 Concen: 20.557 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion: 84 Resp: 167723
 Ion Ratio Lower Upper
 84 100
 49 144.7 110.5 165.7
 51 44.9 34.6 51.8
 86 70.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 22.585 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

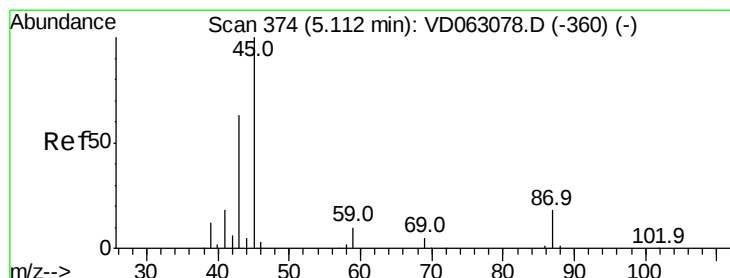
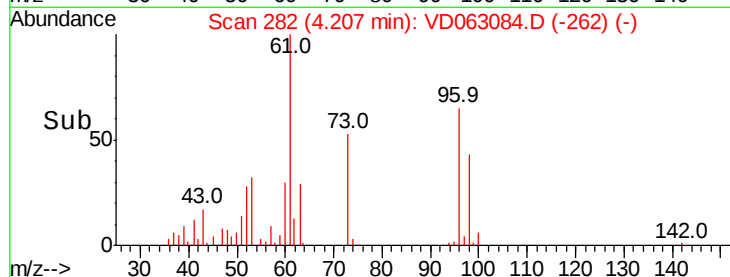
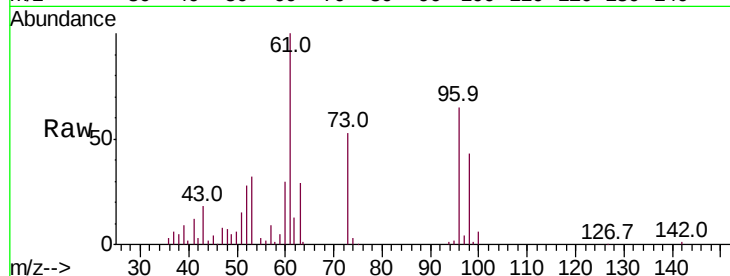
Tot Ion: 96 Resp: 159202

Ion Ratio Lower Upper

96 100

61 153.7 128.0 192.0

98 65.6 55.2 82.8



#22

Diisopropyl ether

Concen: 21.996 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Tgt Ion: 45 Resp: 477265

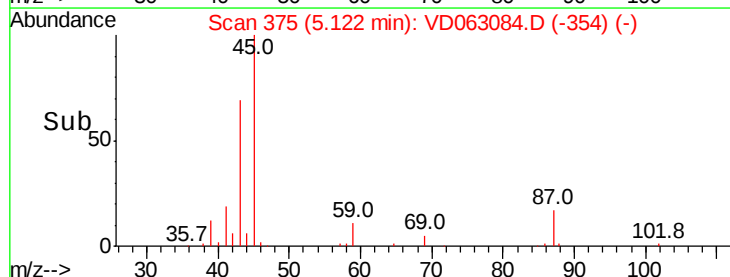
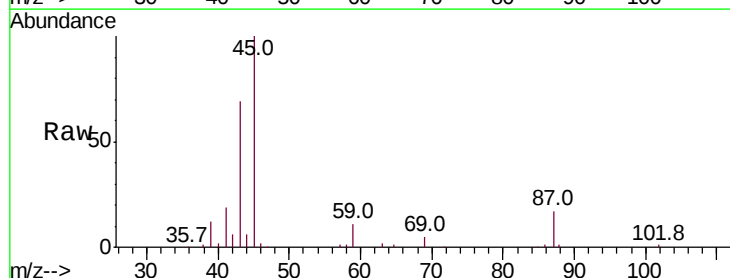
Ion Ratio Lower Upper

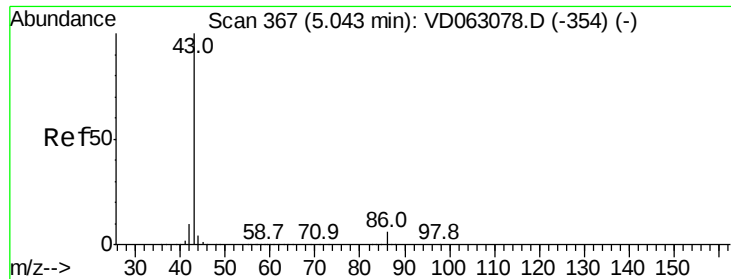
45 100

43 68.7 50.5 75.7

87 17.3 15.1 22.7

59 11.3 7.6 11.4





#23

Vinyl Acetate

Concen: 108.675 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

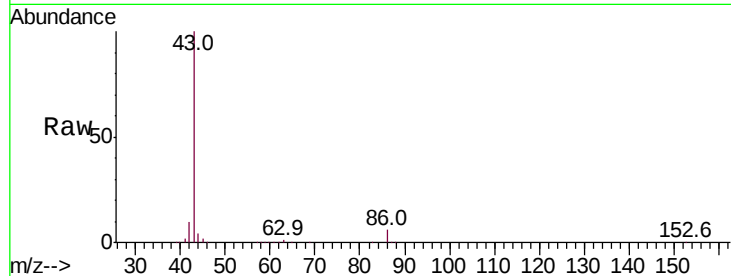
VD0715SBS01

Tot Ion: 43 Resp: 1375717

Ion Ratio Lower Upper

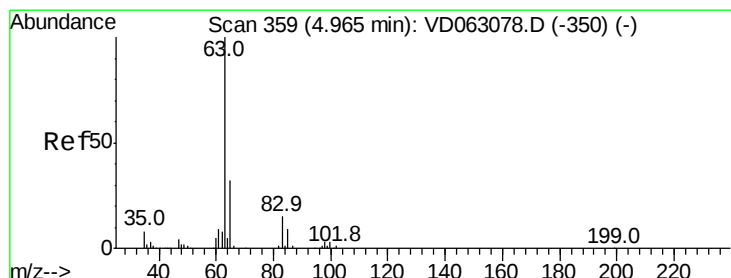
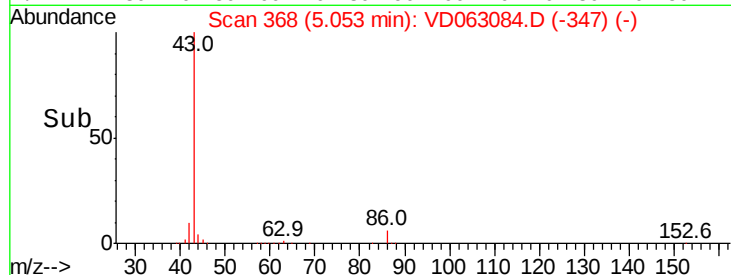
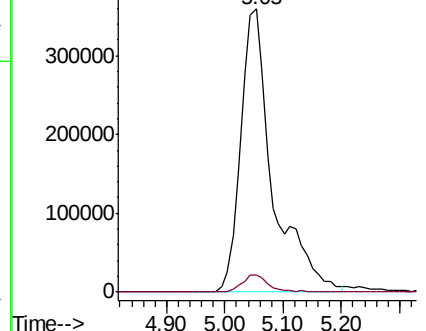
43 100

86 6.1 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.273 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

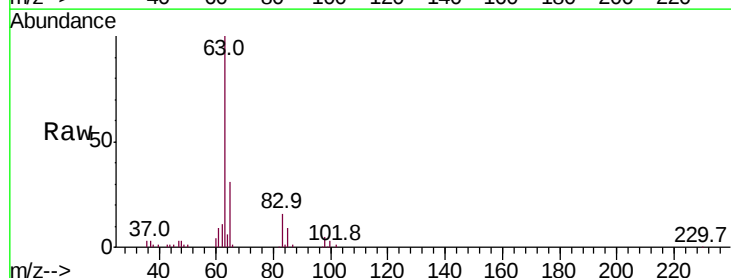
Tgt Ion: 63 Resp: 297695

Ion Ratio Lower Upper

63 100

98 5.5 1.7 5.1#

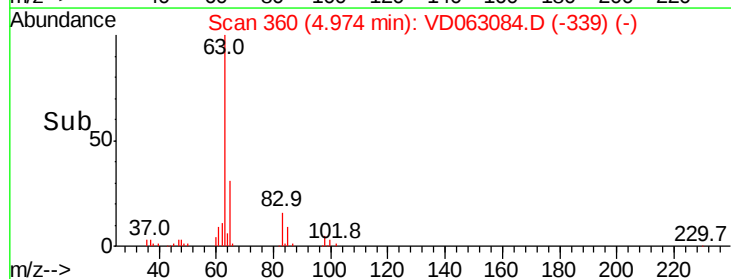
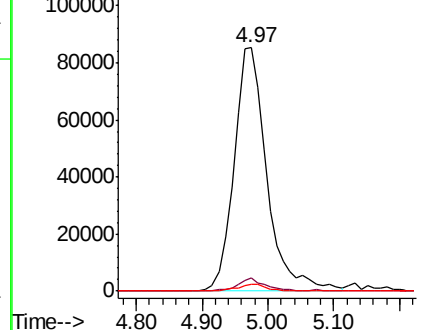
100 2.7 1.5 4.5

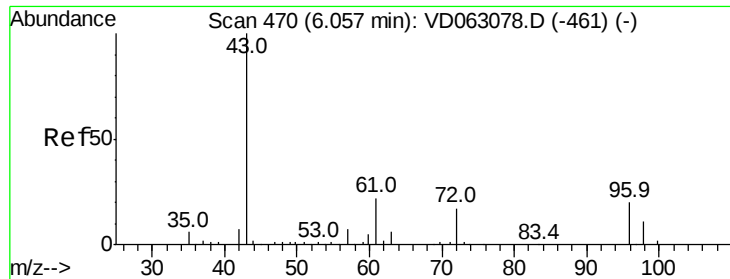


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 106.376 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

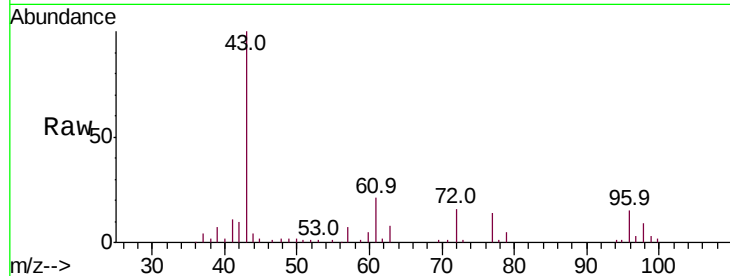
VD0715SBS01

Tot Ion: 43 Resp: 219372

Ion Ratio Lower Upper

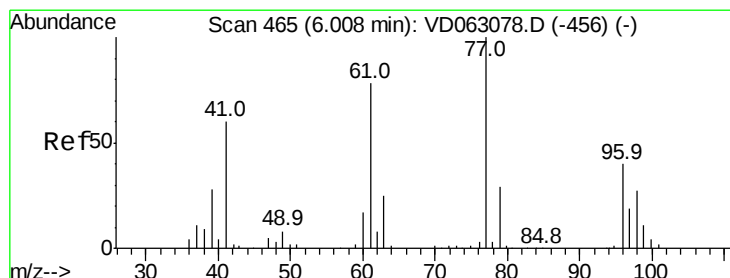
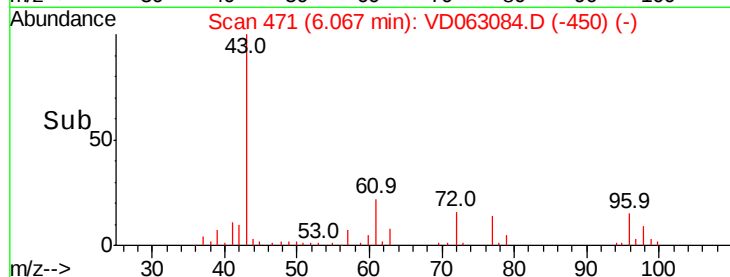
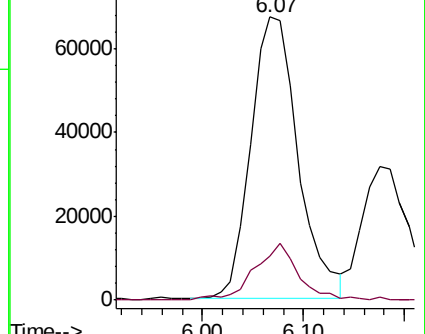
43 100

72 15.7 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.086 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD063084.D

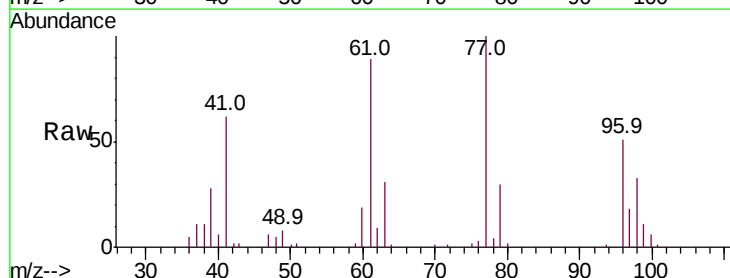
Acq: 15 Jul 2019 16:54

Tgt Ion: 77 Resp: 326710

Ion Ratio Lower Upper

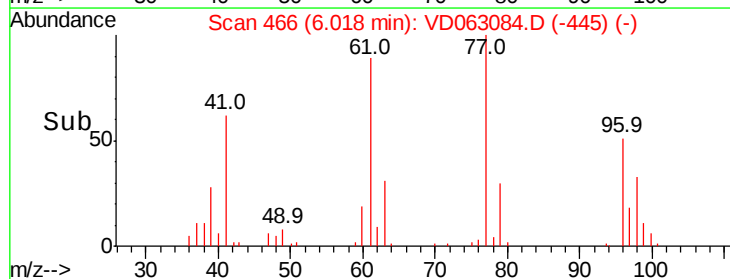
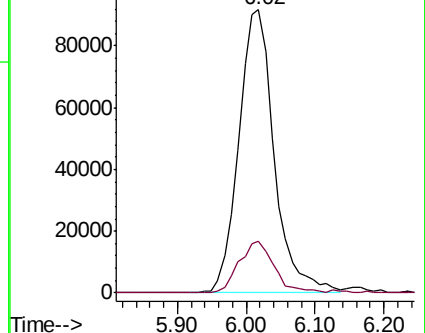
77 100

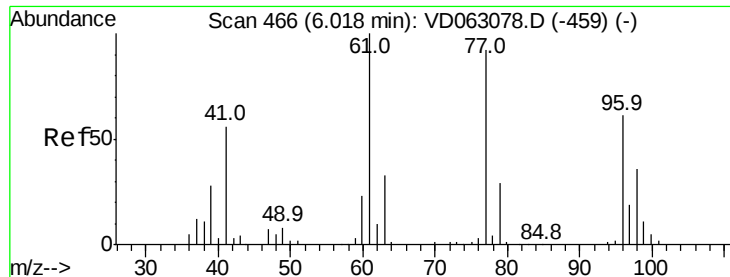
97 18.4 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



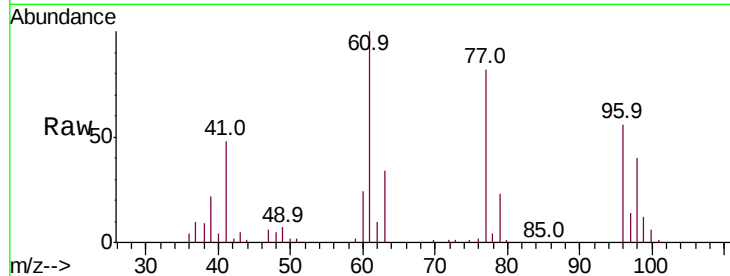


#27

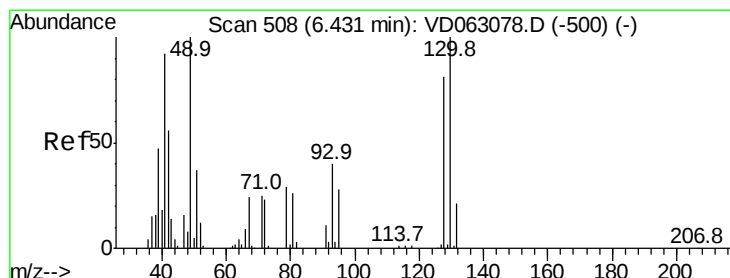
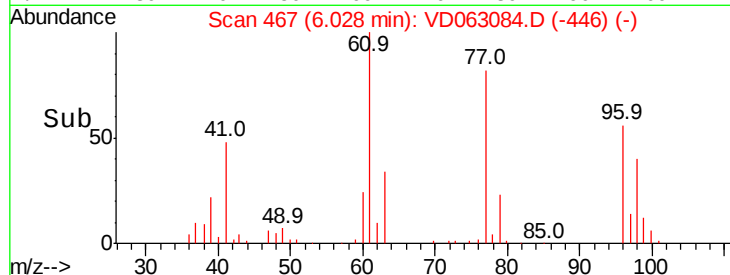
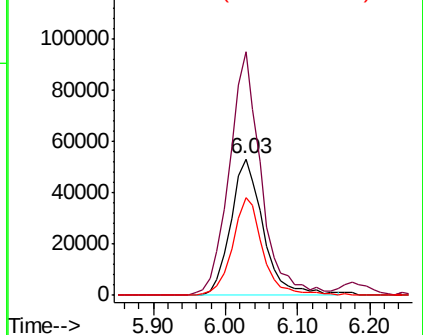
cis-1,2-Dichloroethene
Concen: 20.830 ug/l
RT: 6.03 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBSD01

Tot Ion: 96 Resp: 167033
Ion Ratio Lower Upper
96 100
61 178.9 0.0 329.6
98 71.5 0.0 118.4



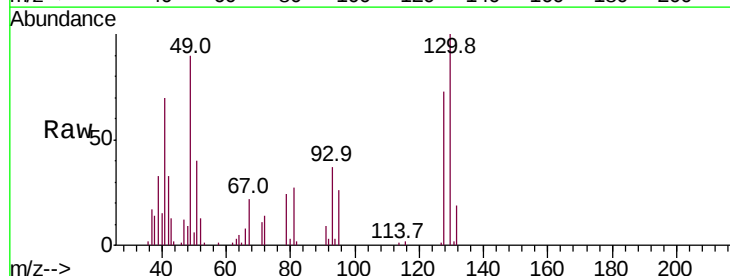
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



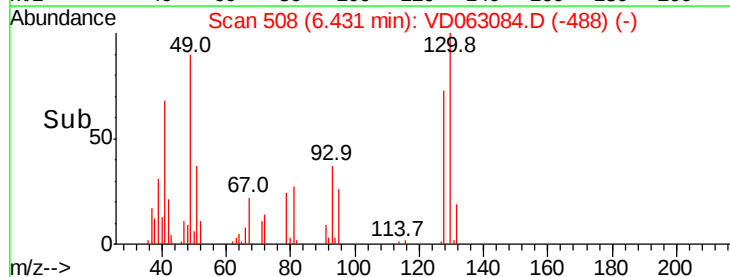
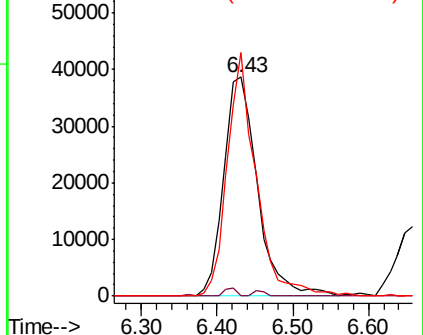
#28

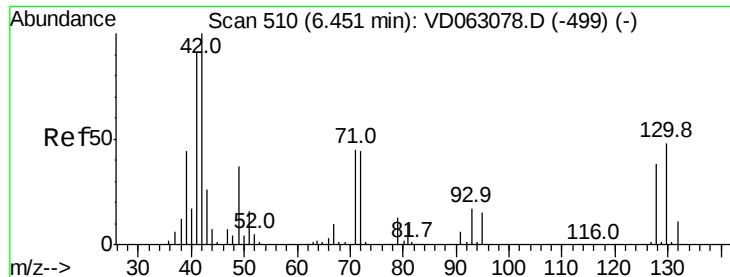
Bromochloromethane
Concen: 24.592 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion: 49 Resp: 119246
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 111.2 80.3 120.5



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: 109.043 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

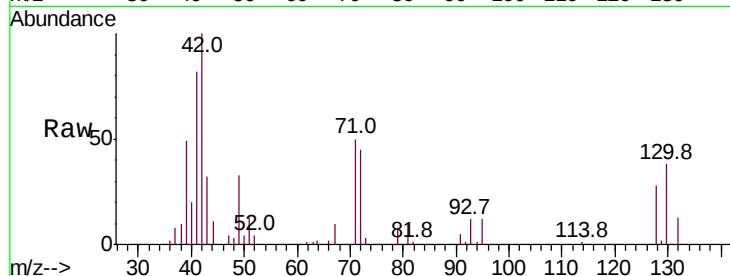
Tot Ion: 42 Resp: 101936

Ion Ratio Lower Upper

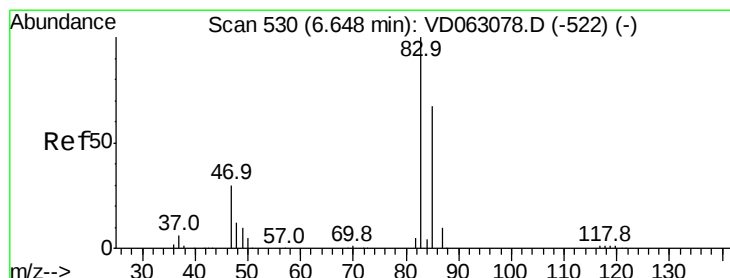
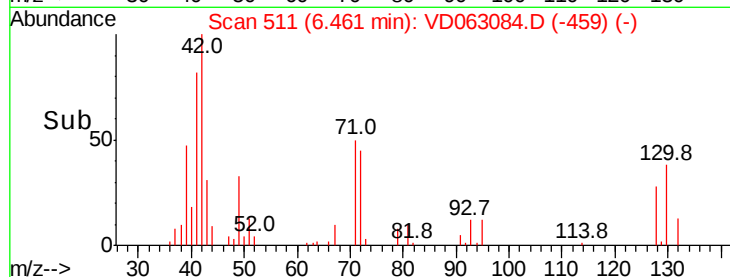
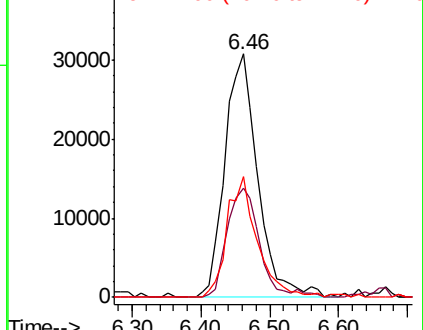
42 100

72 42.9 33.7 50.5

71 45.7 34.2 51.2



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: 22.706 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD063084.D

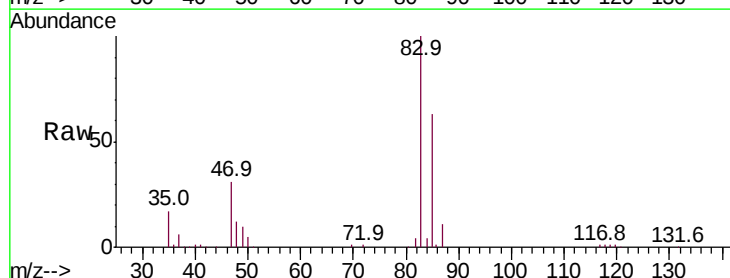
Acq: 15 Jul 2019 16:54

Tgt Ion: 83 Resp: 373766

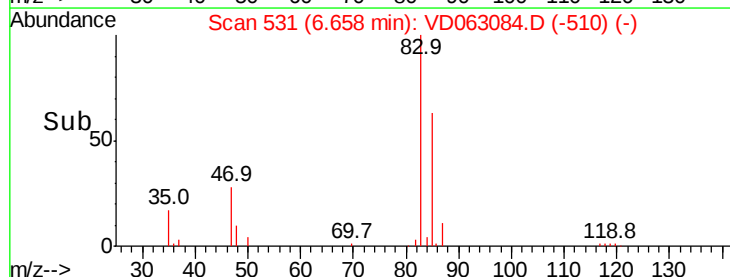
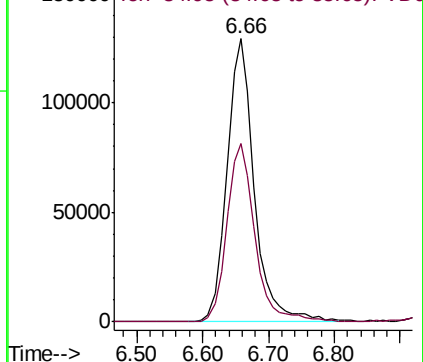
Ion Ratio Lower Upper

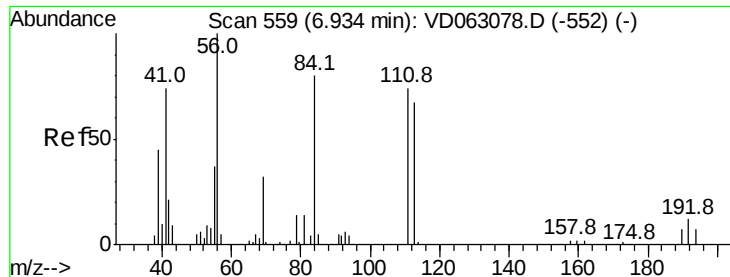
83 100

85 62.9 53.8 80.8



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

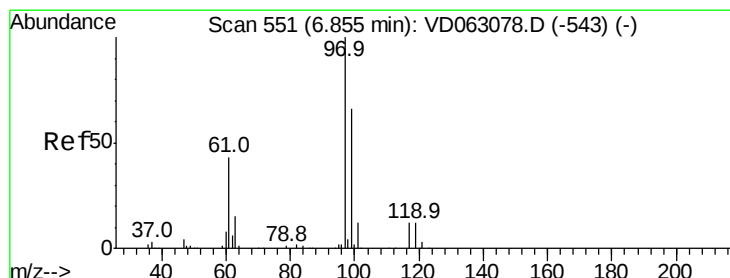
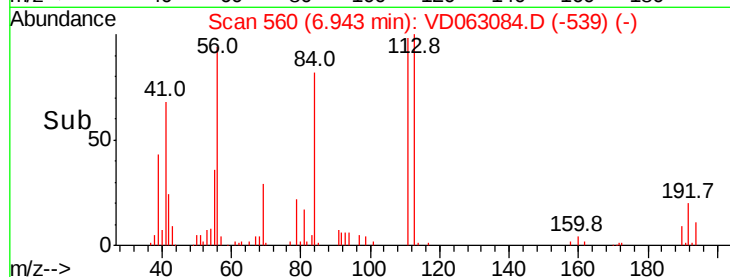
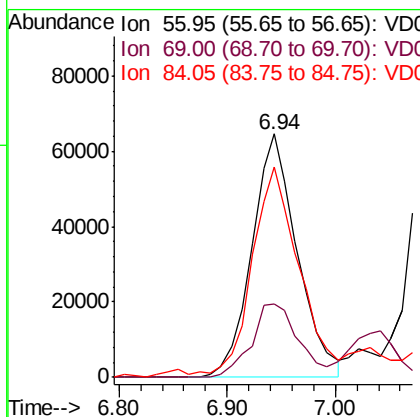
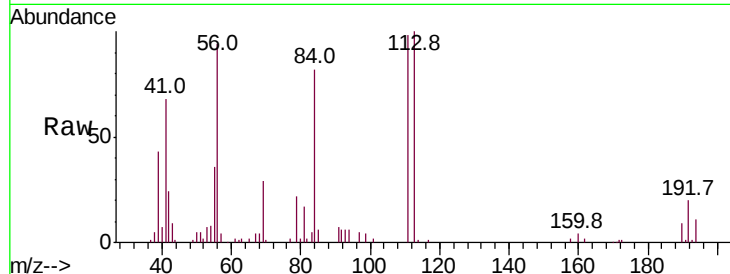




#31
Cyclohexane
Concen: 22.145 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

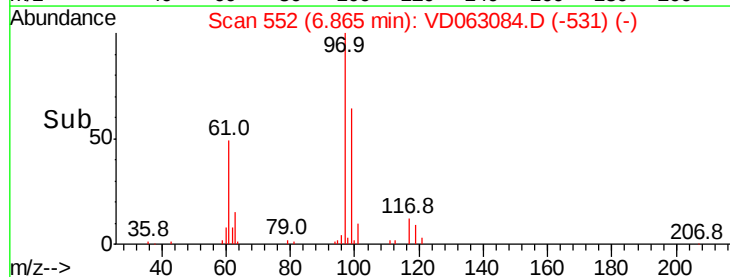
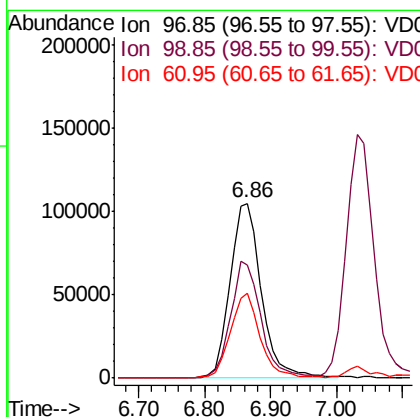
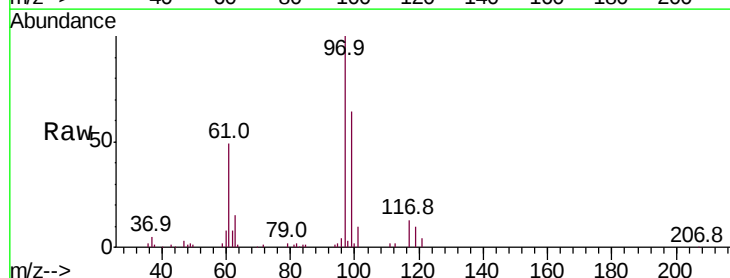
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

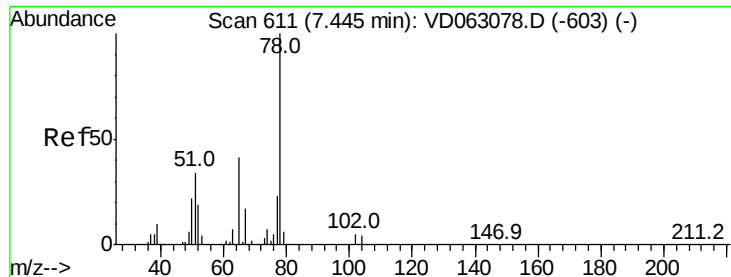
Tot Ion: 56 Resp: 188499
Ion Ratio Lower Upper
56 100
69 30.3 25.3 37.9
84 86.6 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 21.611 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion: 97 Resp: 350779
Ion Ratio Lower Upper
97 100
99 64.3 52.9 79.3
61 48.5 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 54.511 ug/l

RT: 7.45 min Scan# 611

Delta R.T. -0.00 min

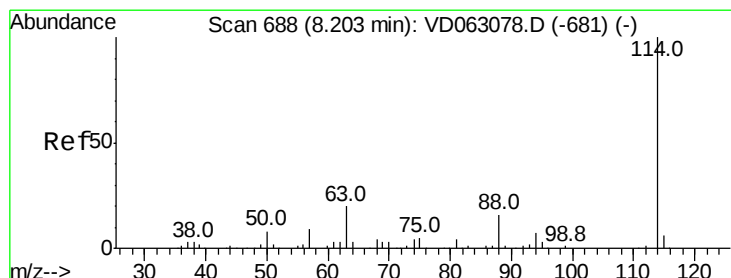
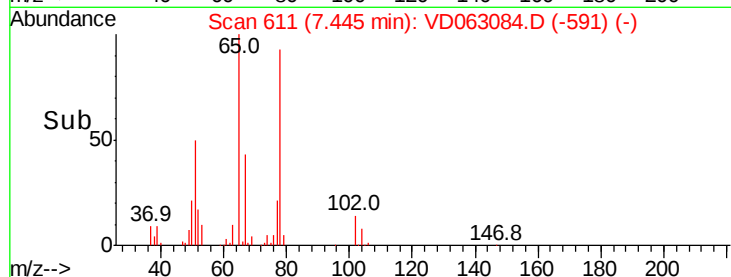
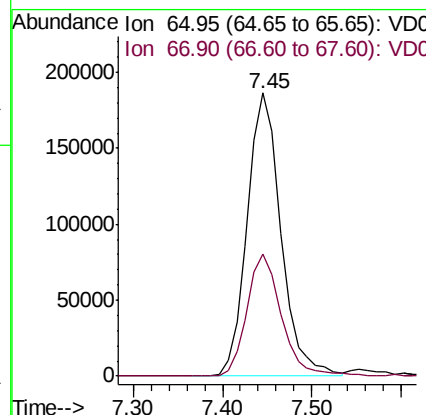
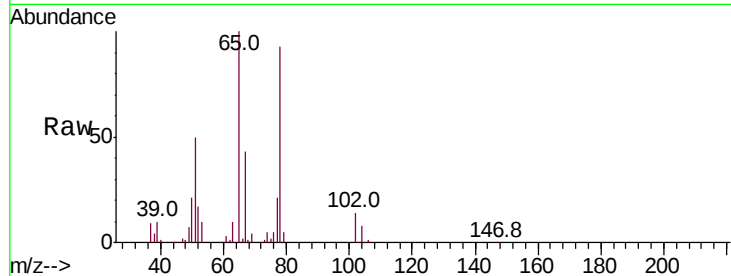
Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion: 65 Resp: 487406

Ion	Ratio	Lower	Upper
65	100		
67	43.0	0.0	86.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

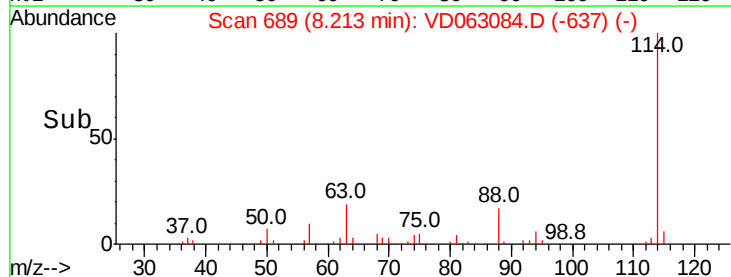
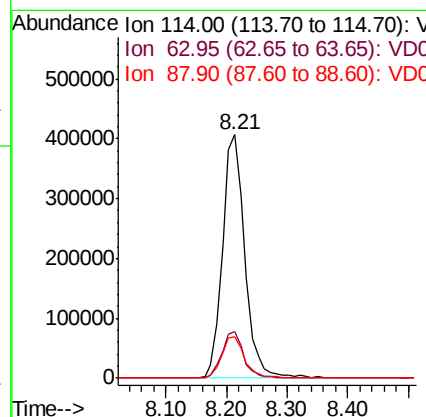
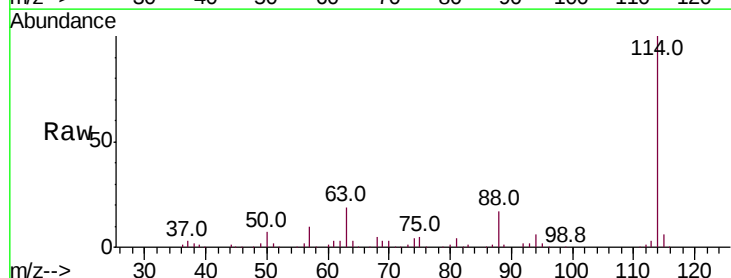
Delta R.T. 0.01 min

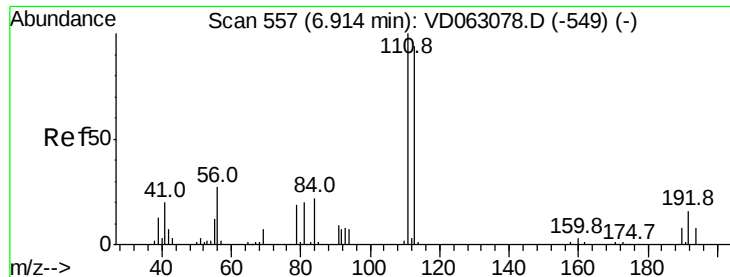
Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Tgt Ion: 114 Resp: 1039562

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.6
88	17.2	0.0	32.6





#35

Dibromofluoromethane

Concen: 52.381 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBSD01

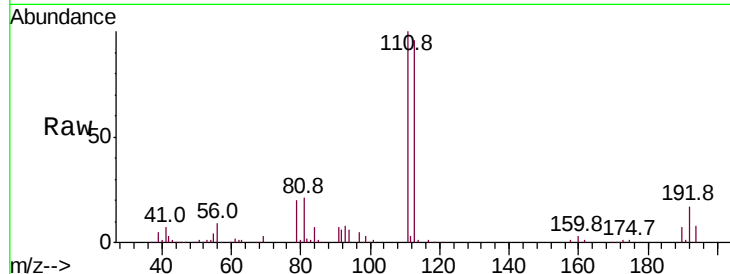
Tot Ion:113 Resp: 542372

Ion Ratio Lower Upper

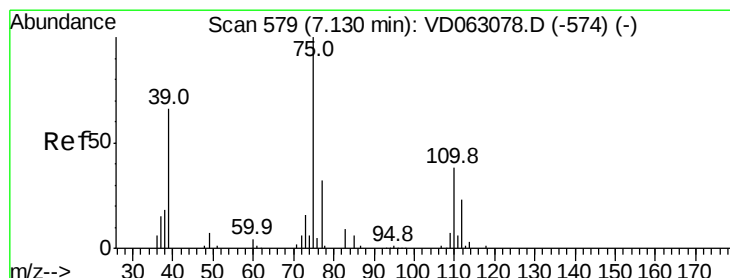
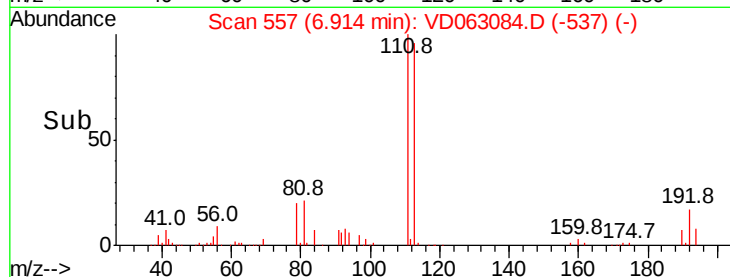
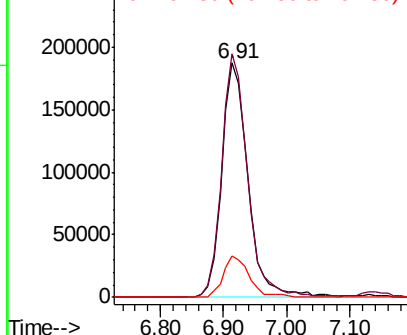
113 100

111 104.0 84.8 127.2

192 17.6 13.4 20.0



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: 20.789 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

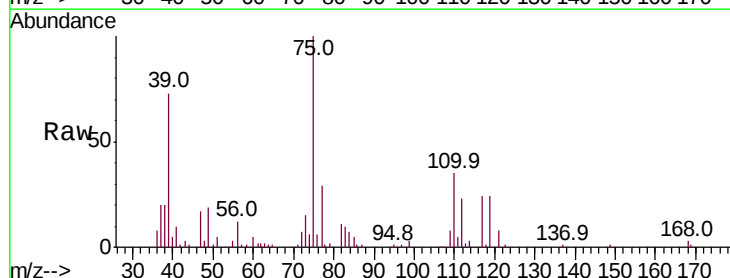
Tgt Ion: 75 Resp: 243057

Ion Ratio Lower Upper

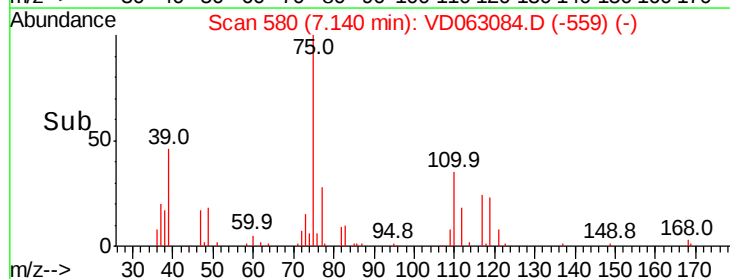
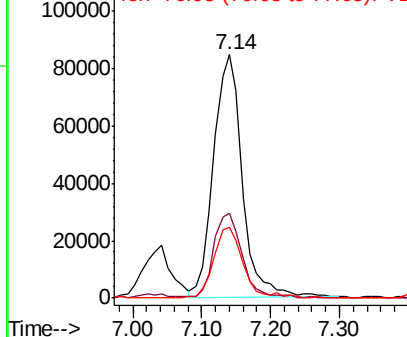
75 100

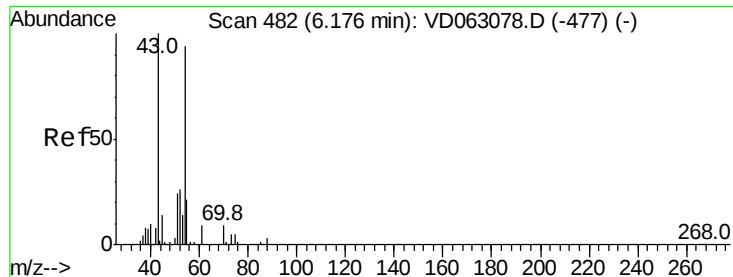
110 34.8 18.9 56.5

77 28.8 25.2 37.8



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

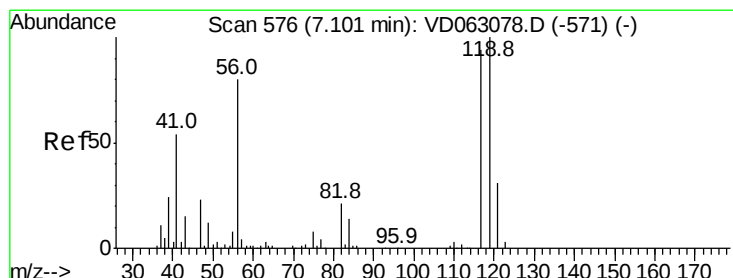
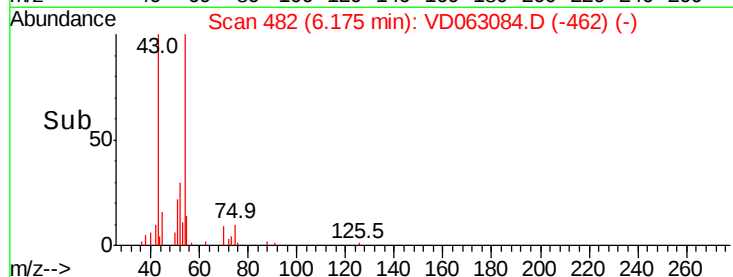
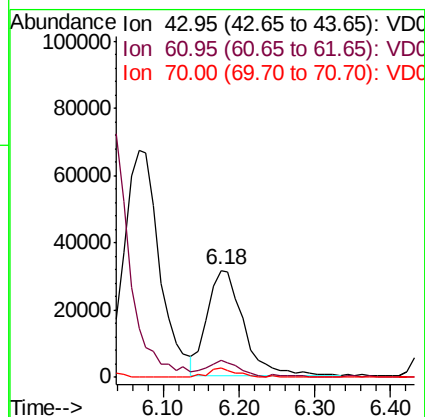
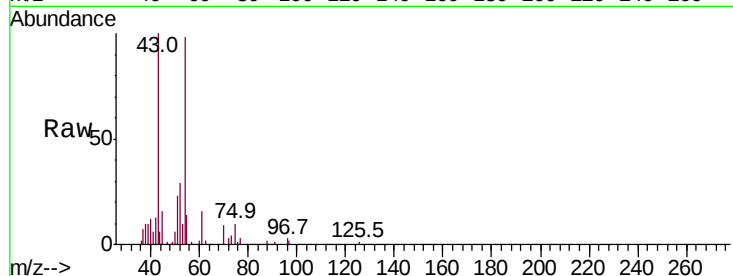




#37
Ethyl Acetate
Concen: 20.997 ug/l
RT: 6.18 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

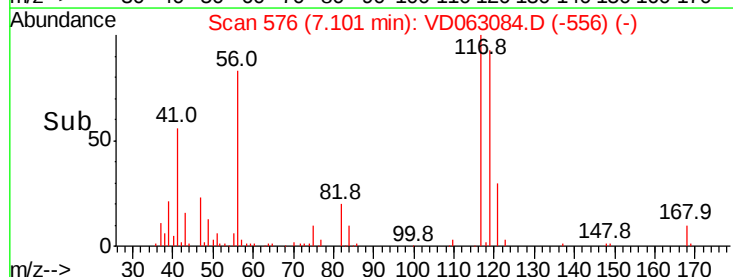
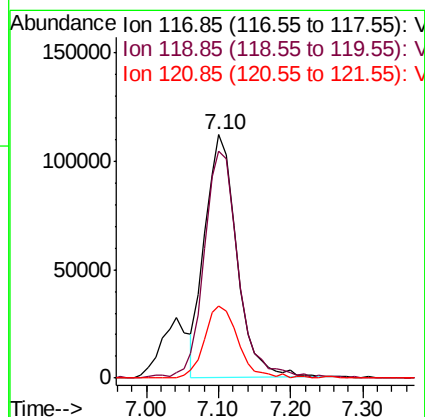
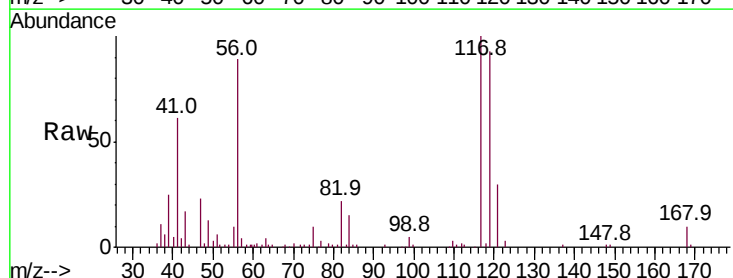
Instrument :
MSVOA_D
ClientSampleID :
VD0715SBS01

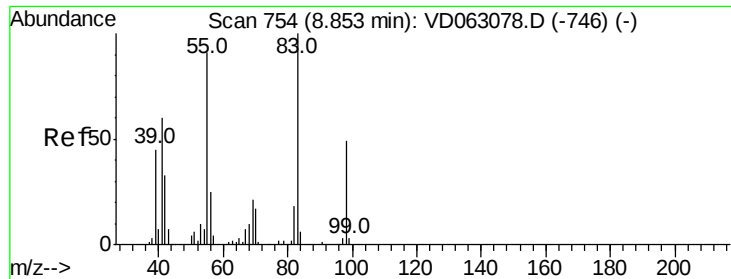
Tot Ion: 43 Resp: 105064
Ion Ratio Lower Upper
43 100
61 15.8 10.6 16.0
70 8.9 6.6 9.8



#38
Carbon Tetrachloride
Concen: 19.311 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion: 117 Resp: 343071
Ion Ratio Lower Upper
117 100
119 93.4 80.0 120.0
121 29.9 25.0 37.4

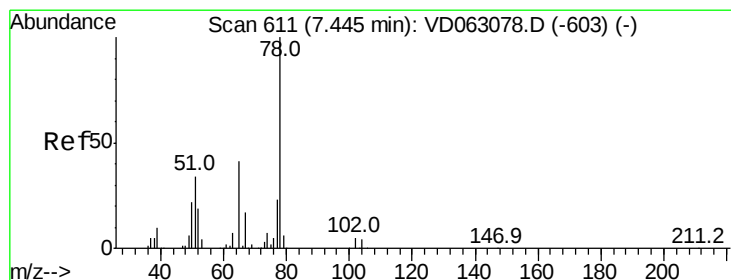
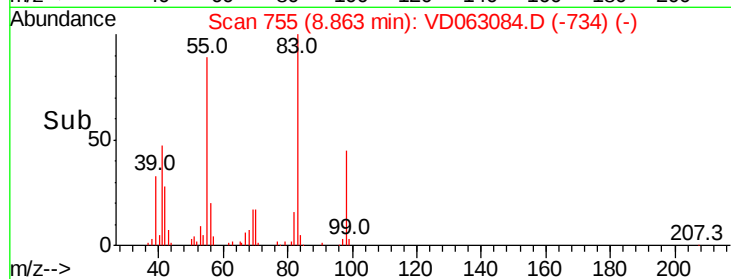
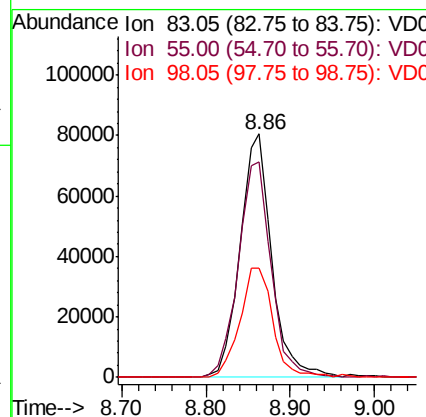
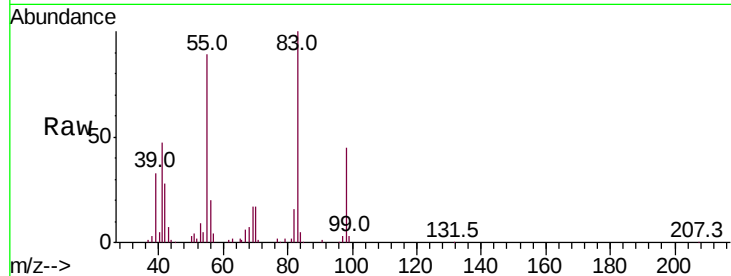




#39
Methvlcvclohexane
Concen: 20.814 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

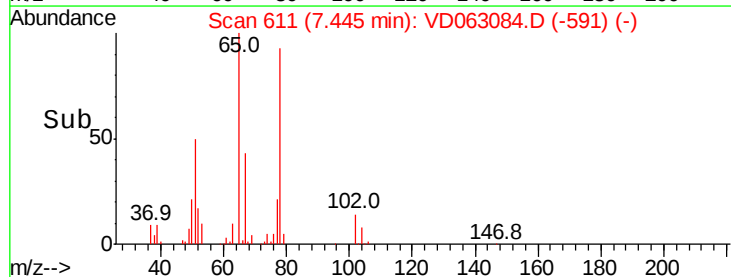
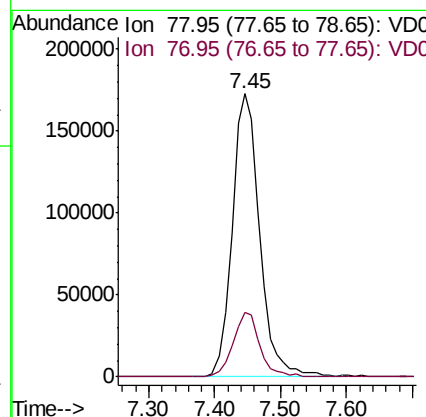
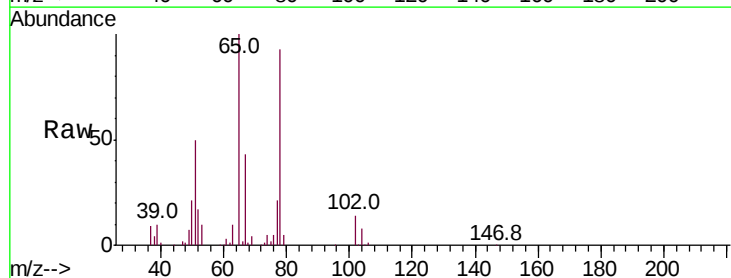
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

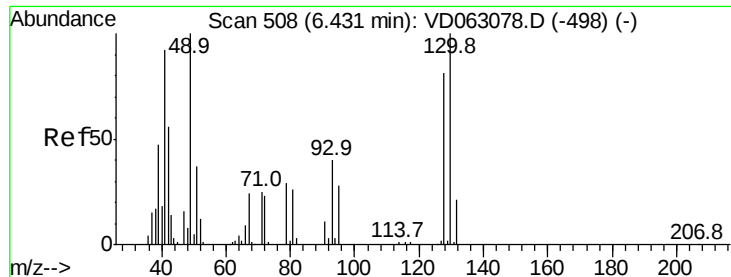
Tot Ion: 83 Resp: 210388
Ion Ratio Lower Upper
83 100
55 88.7 73.0 109.4
98 45.0 39.4 59.0



#40
Benzene
Concen: 20.500 ug/l
RT: 7.45 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion: 78 Resp: 501997
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1

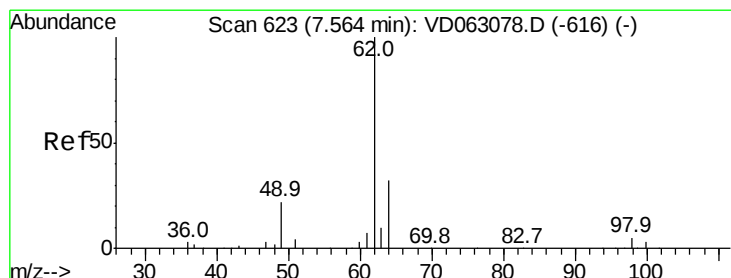
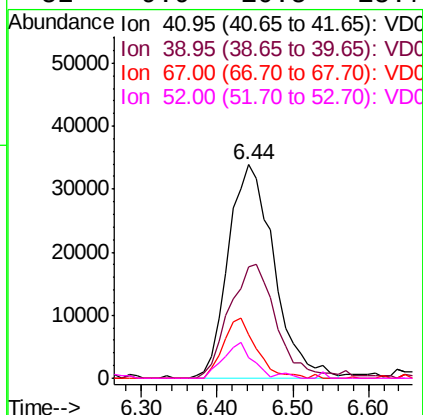
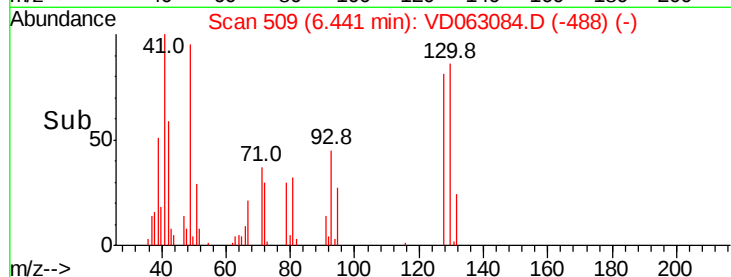
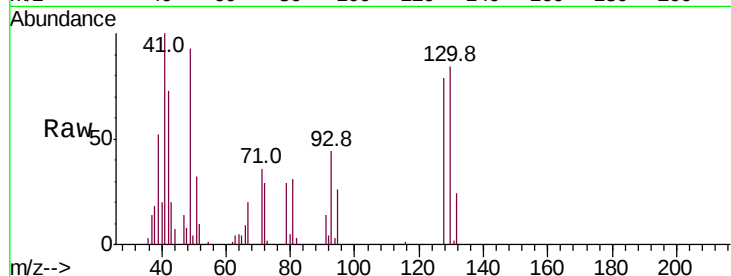




#41
Methacrylonitrile
Concen: 20.974 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

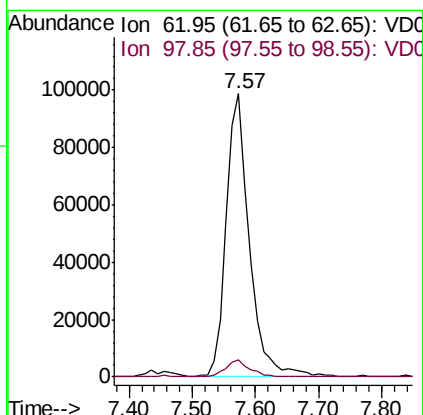
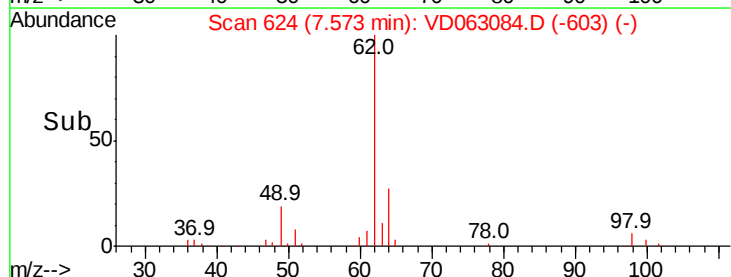
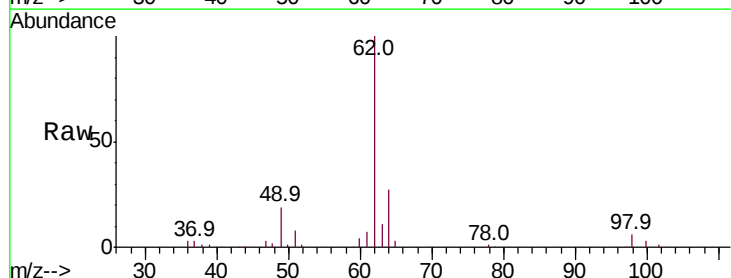
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBSD01

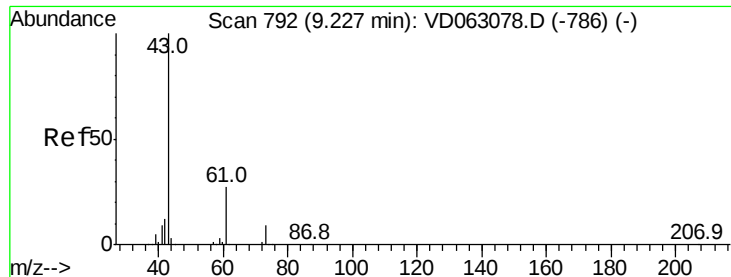
Tot Ion: 41 Resp: 142285
Ion Ratio Lower Upper
41 100
39 51.9 41.0 61.6
67 20.5 21.3 31.9#
52 9.9 10.5 15.7#



#42
1,2-Dichloroethane
Concen: 19.210 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion: 62 Resp: 250618
Ion Ratio Lower Upper
62 100
98 6.0 0.0 9.6





#43

Isopropyl Acetate

Concen: 20.780 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

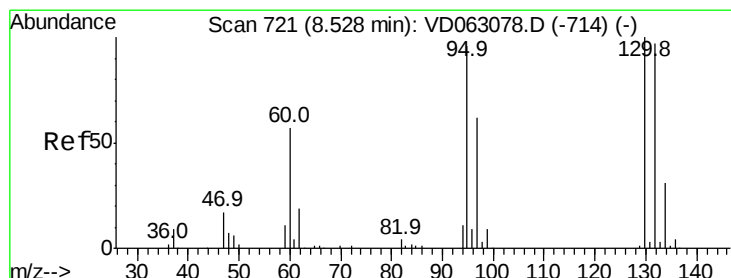
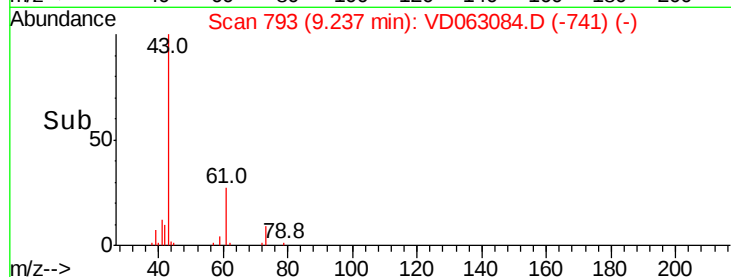
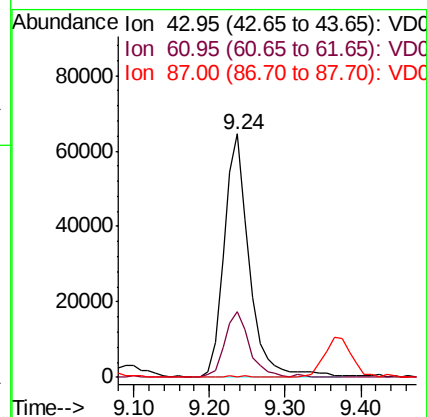
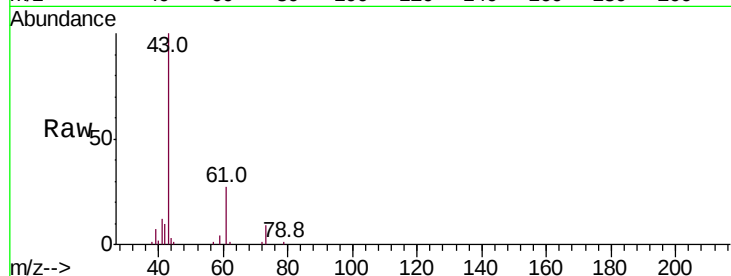
Tot Ion: 43 Resp: 149035

Ion Ratio Lower Upper

43 100

61 26.8 21.7 32.5

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 21.593 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD063084.D

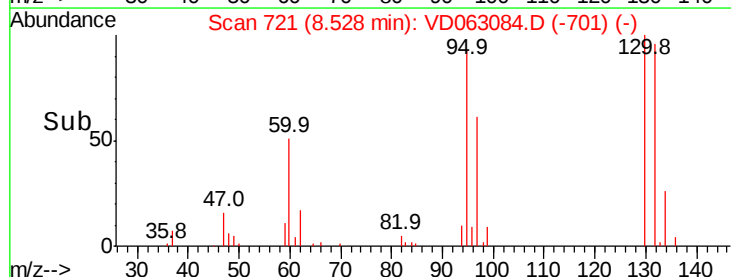
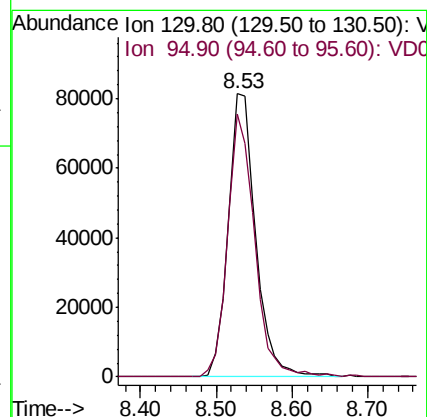
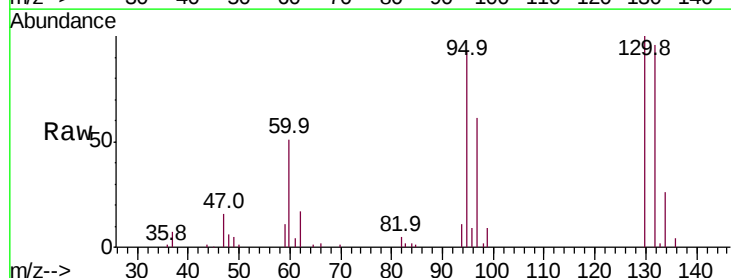
Acq: 15 Jul 2019 16:54

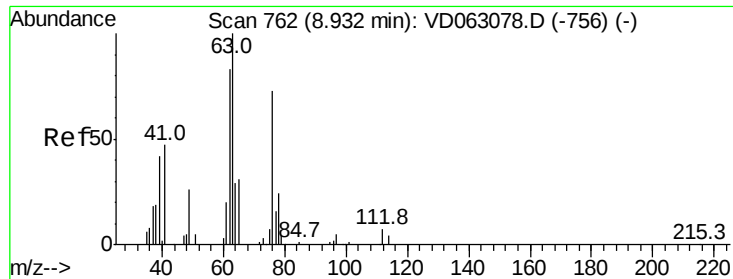
Tgt Ion:130 Resp: 204342

Ion Ratio Lower Upper

130 100

95 92.8 0.0 191.4





#45

1,2-Dichloropropane

Concen: 20.030 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

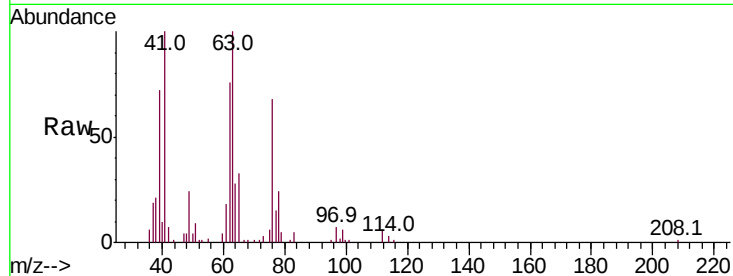
VD0715SBS01

Tot Ion: 63 Resp: 122289

Ion Ratio Lower Upper

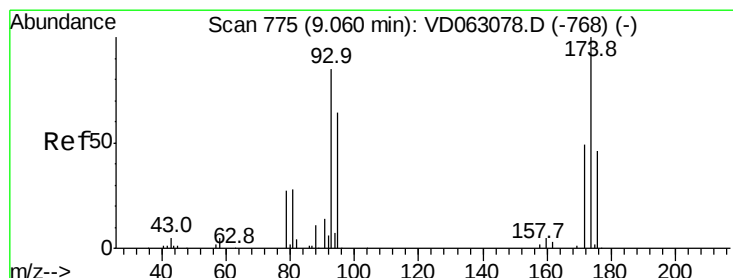
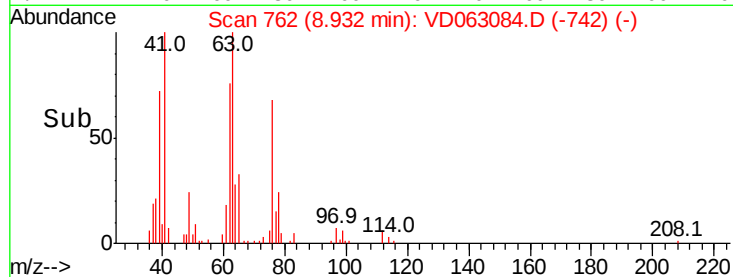
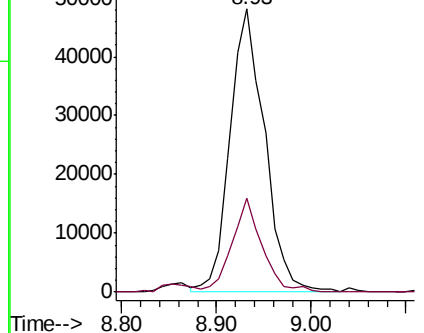
63 100

65 33.2 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.987 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

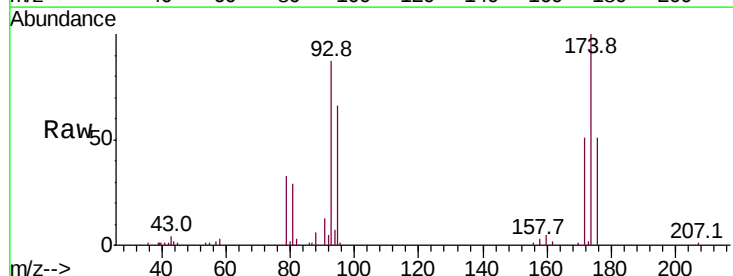
Tgt Ion: 93 Resp: 104858

Ion Ratio Lower Upper

93 100

95 76.3 59.7 89.5

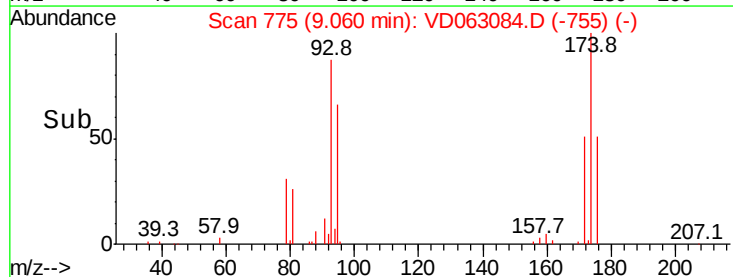
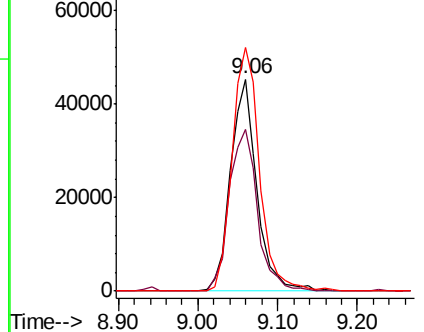
174 114.7 93.9 140.9

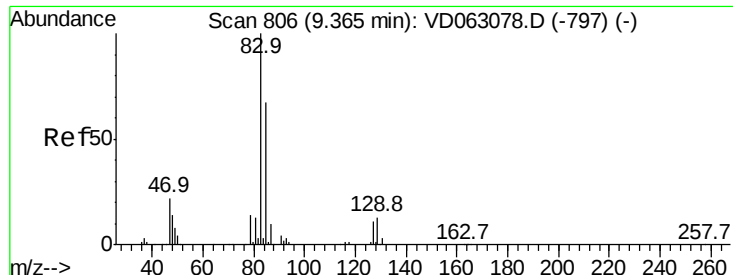


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.802 ug/l

RT: 9.37 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBSD01

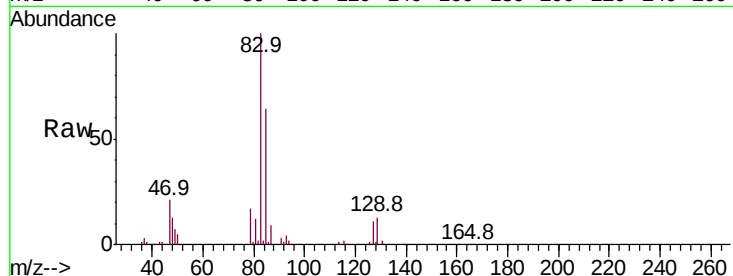
Tot Ion: 83 Resp: 271106

Ion Ratio Lower Upper

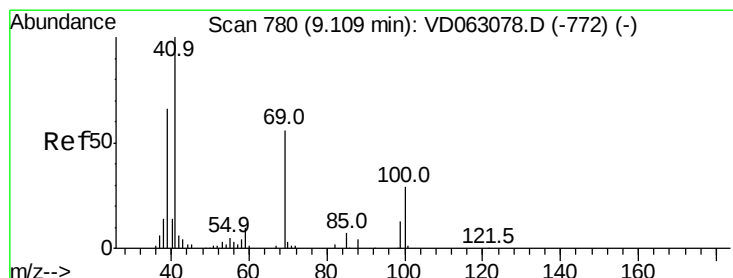
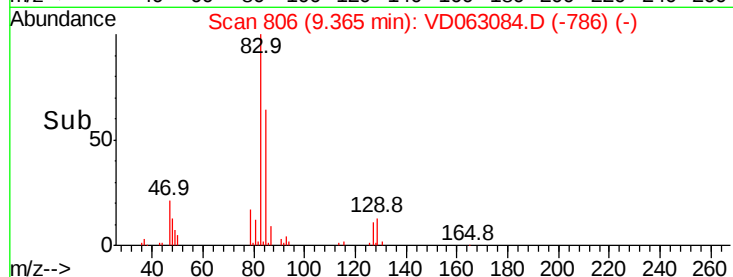
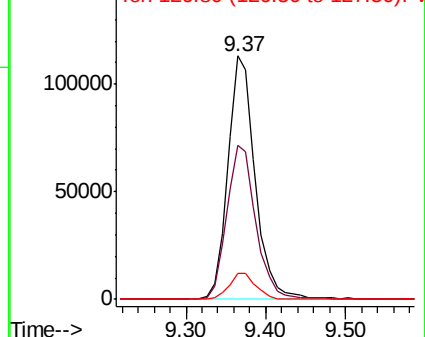
83 100

85 63.5 53.7 80.5

127 10.9 9.0 13.6



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: 20.647 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

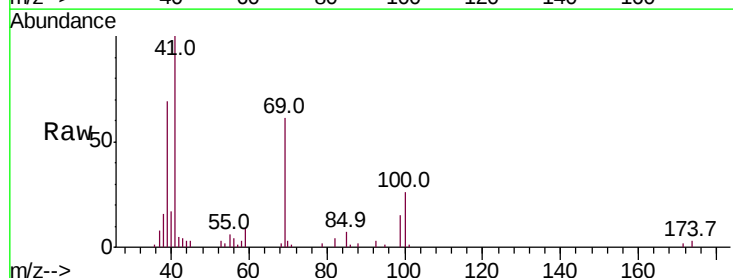
Tgt Ion: 41 Resp: 97245

Ion Ratio Lower Upper

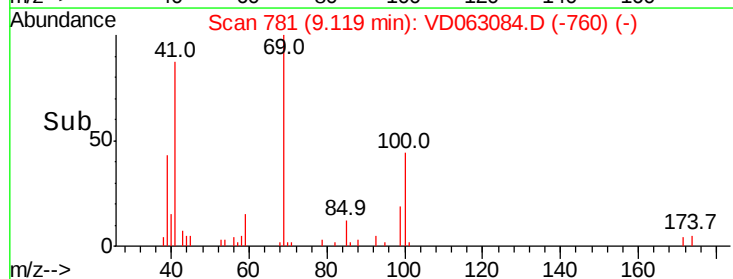
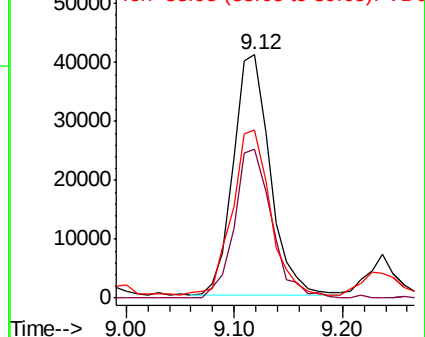
41 100

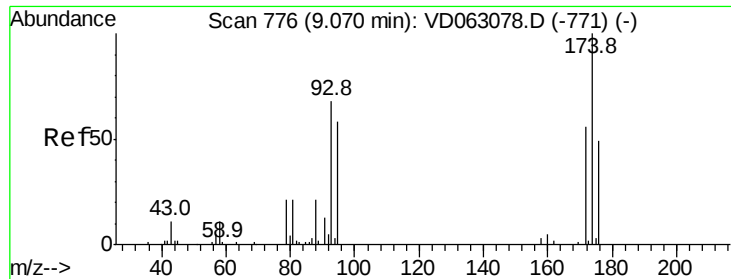
69 61.3 44.3 66.5

39 69.0 52.6 78.8



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: 419.921 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

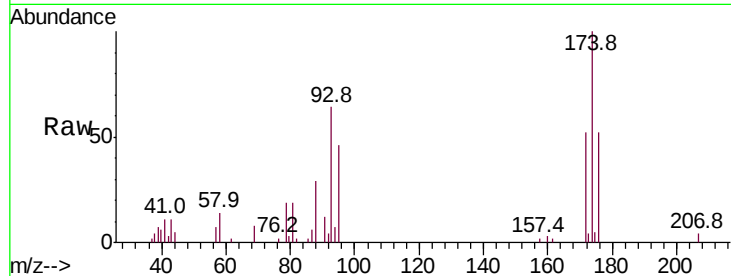
Tot Ion: 88 Resp: 17057

Ion Ratio Lower Upper

88 100

43 37.7 40.2 60.4#

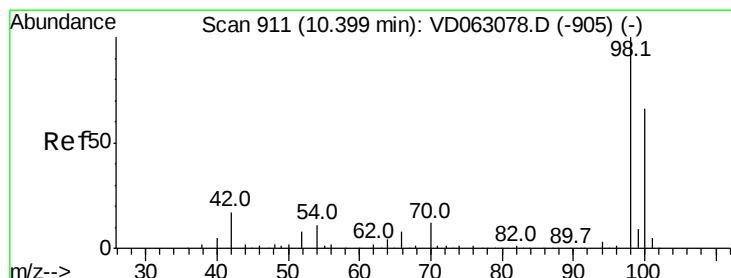
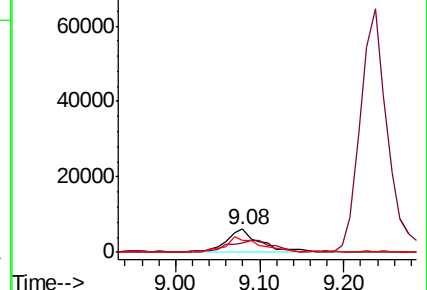
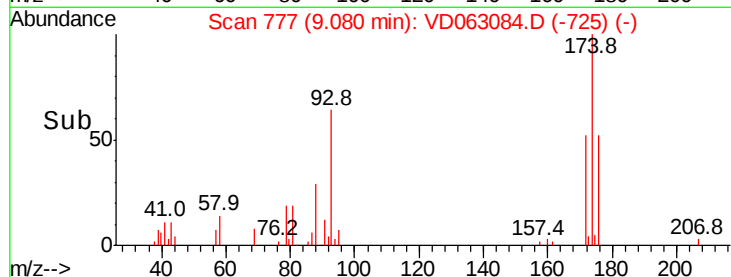
58 50.7 41.6 62.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 52.208 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD063084.D

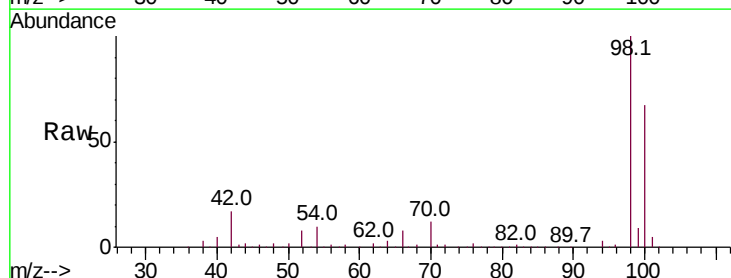
Acq: 15 Jul 2019 16:54

Tgt Ion: 98 Resp: 1161153

Ion Ratio Lower Upper

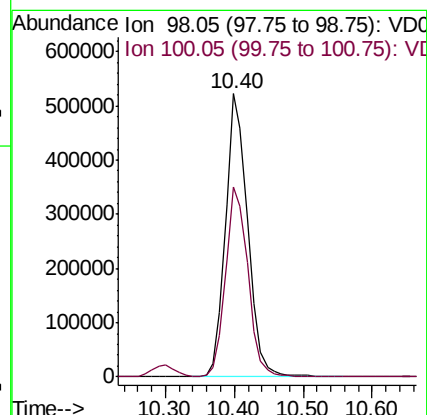
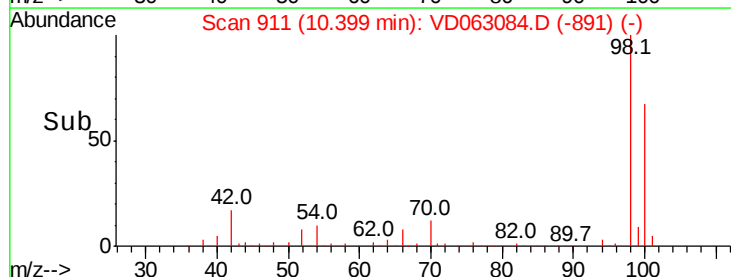
98 100

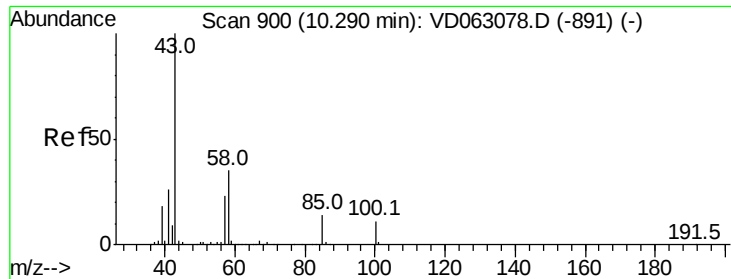
100 66.9 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.735 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

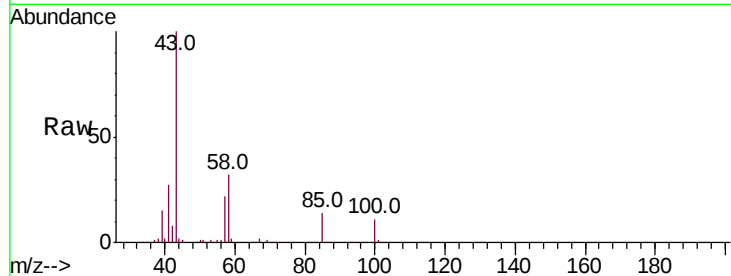
VD0715SBS01

Tot Ion: 43 Resp: 493465

Ion Ratio Lower Upper

43 100

58 32.0 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

150000

100000

50000

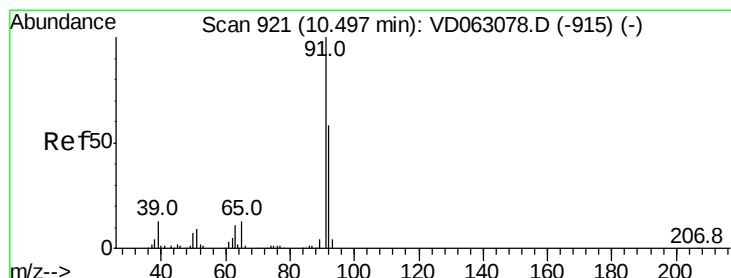
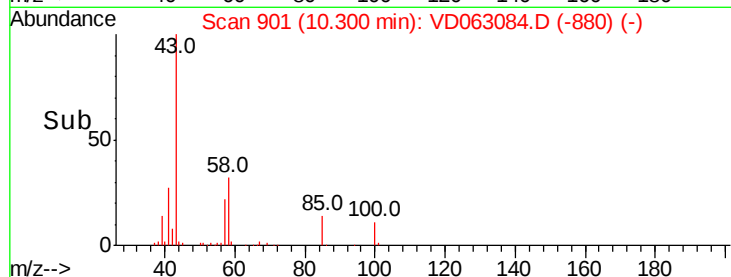
0

10.20

10.30

10.40

Time-->



#52

Toluene

Concen: 20.425 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD063084.D

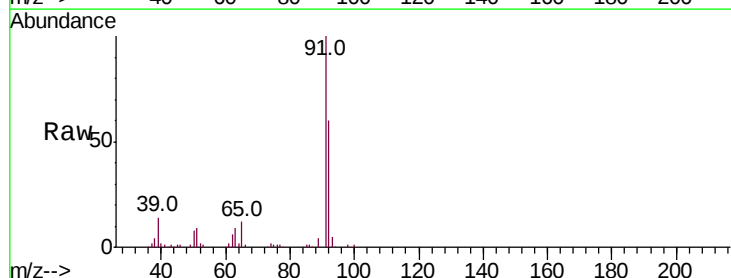
Acq: 15 Jul 2019 16:54

Tgt Ion: 92 Resp: 333985

Ion Ratio Lower Upper

92 100

91 168.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

100000

50000

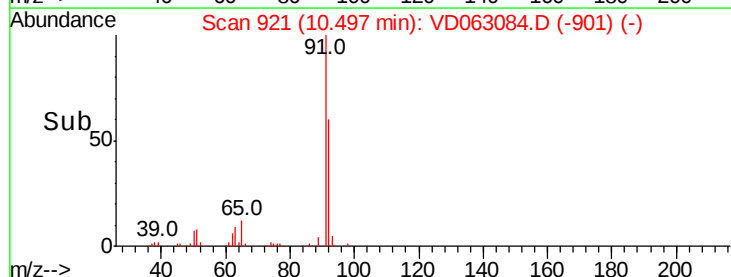
0

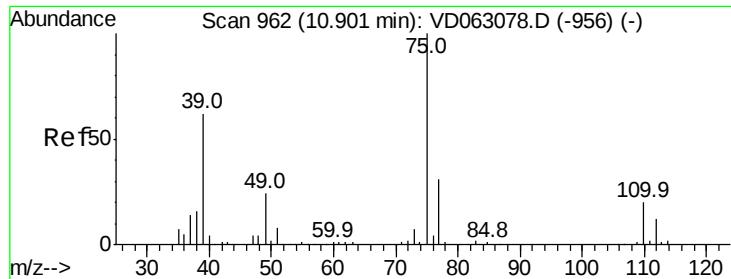
10.40

10.50

10.60

Time-->

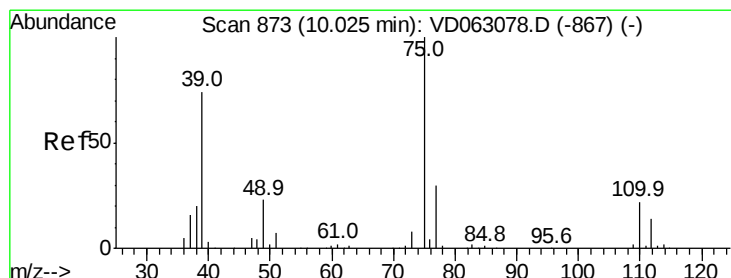
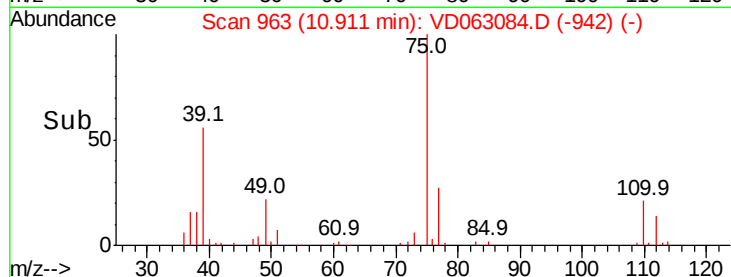
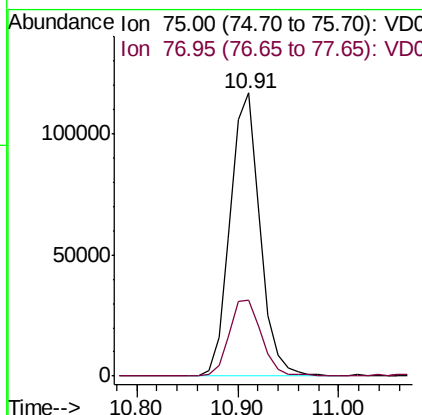
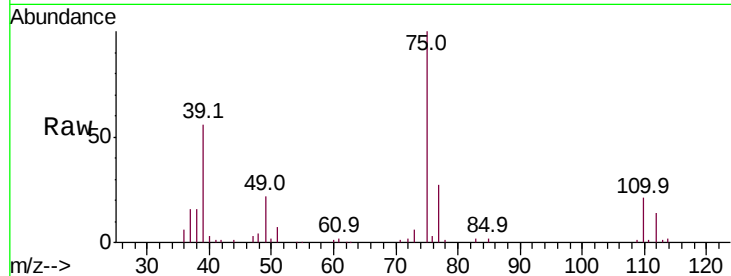




#53
 t-1,3-Dichloropropene
 Concen: 20.444 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

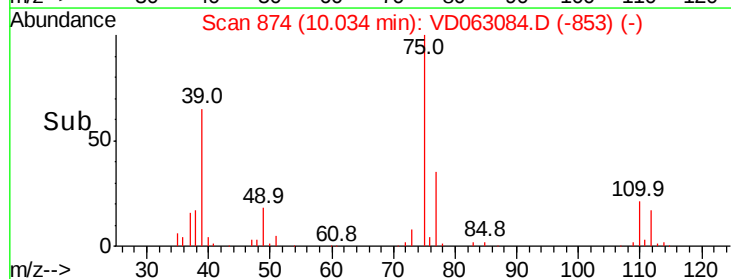
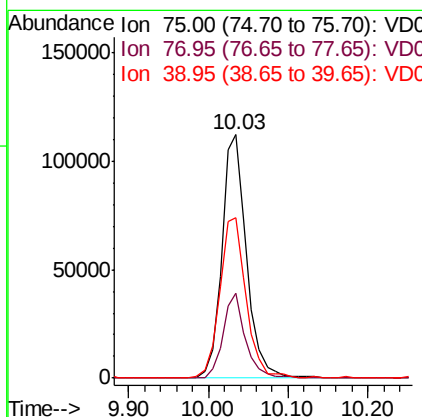
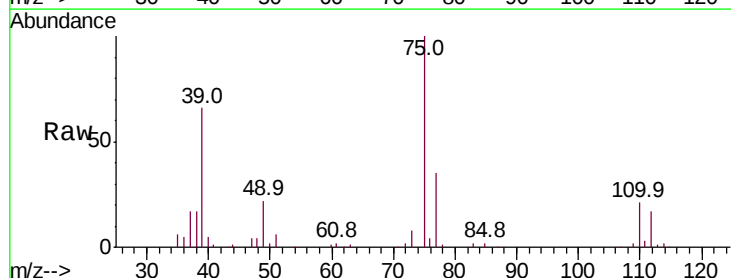
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

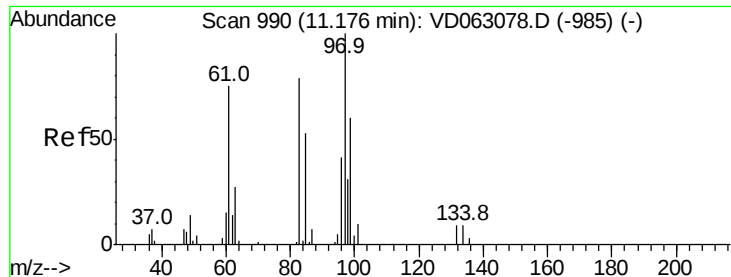
Tot Ion: 75 Resp: 239799
 Ion Ratio Lower Upper
 75 100
 77 26.7 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.011 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion: 75 Resp: 242697
 Ion Ratio Lower Upper
 75 100
 77 34.8 23.9 35.9
 39 65.7 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 20.700 ug/l

RT: 11.19 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

Tot Ion: 97 Resp: 116976

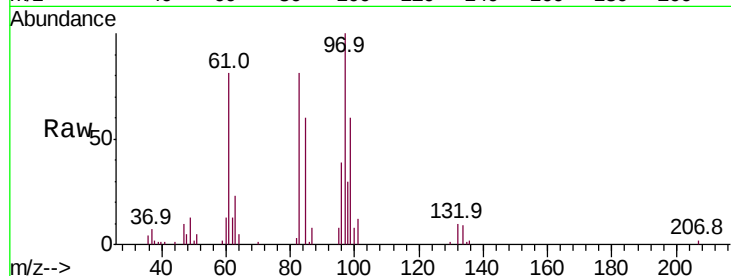
Ion	Ratio	Lower	Upper
97	100		
83	81.2	63.2	94.8
85	60.4	42.0	63.0
99	60.2	48.3	72.5

97 100

83 81.2 63.2 94.8

85 60.4 42.0 63.0

99 60.2 48.3 72.5



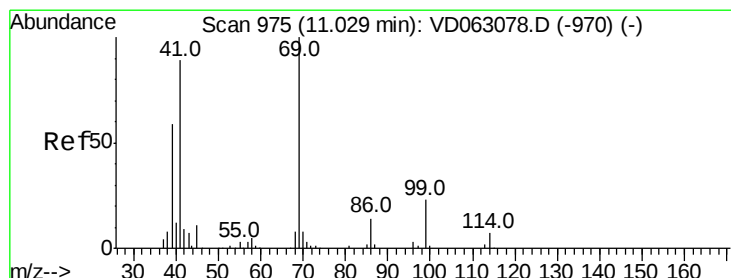
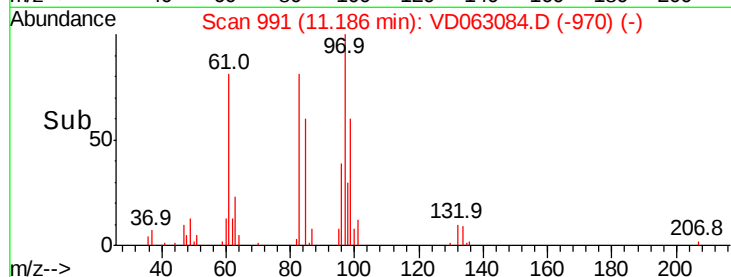
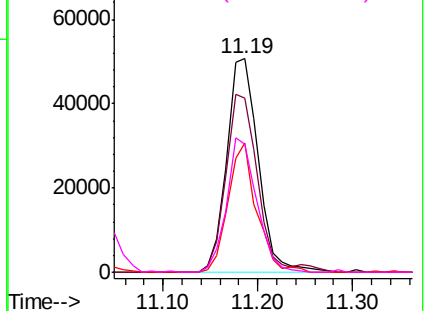
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.288 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

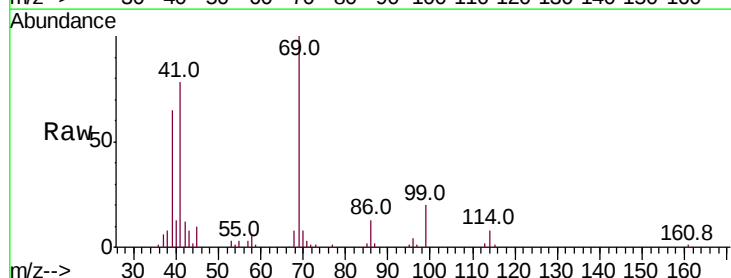
Tgt Ion: 69 Resp: 128095

Ion	Ratio	Lower	Upper
69	100		
41	78.1	71.0	106.4
39	64.7	47.7	71.5

69 100

41 78.1 71.0 106.4

39 64.7 47.7 71.5

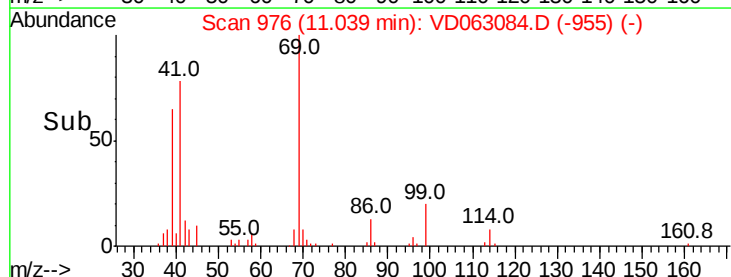
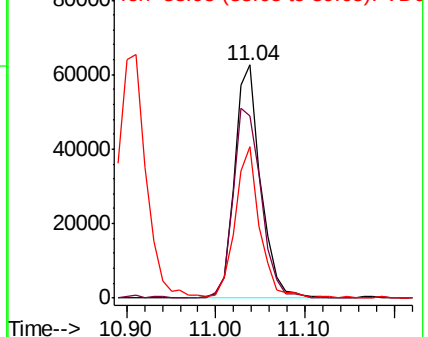


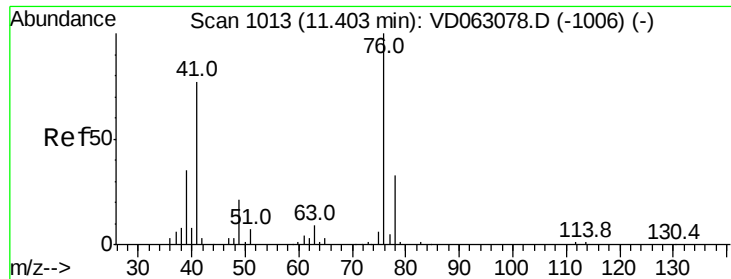
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.212 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

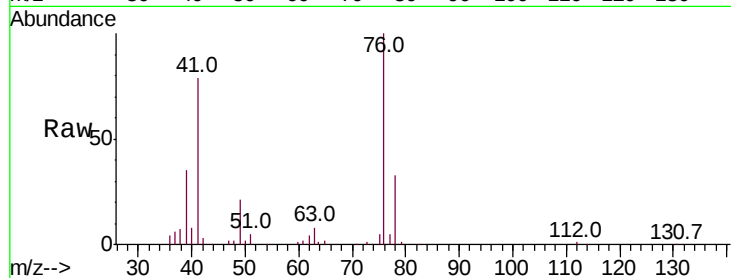
VD0715SBS01

Tot Ion: 76 Resp: 173798

Ion Ratio Lower Upper

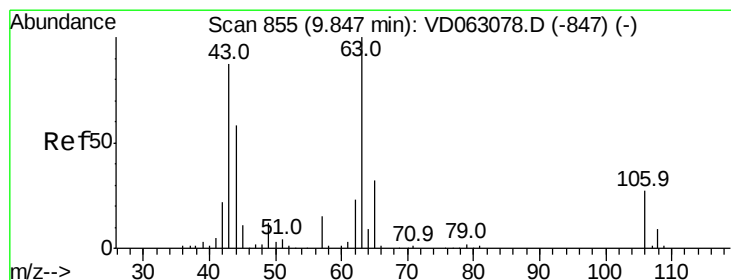
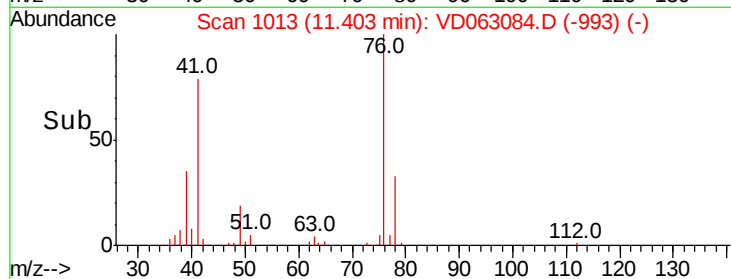
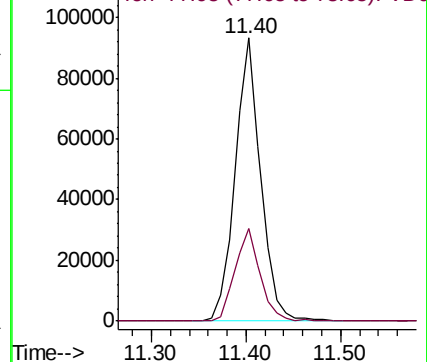
76 100

78 32.7 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.100 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD063084.D

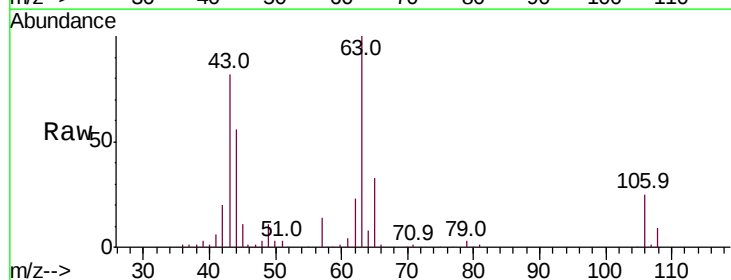
Acq: 15 Jul 2019 16:54

Tgt Ion: 63 Resp: 348392

Ion Ratio Lower Upper

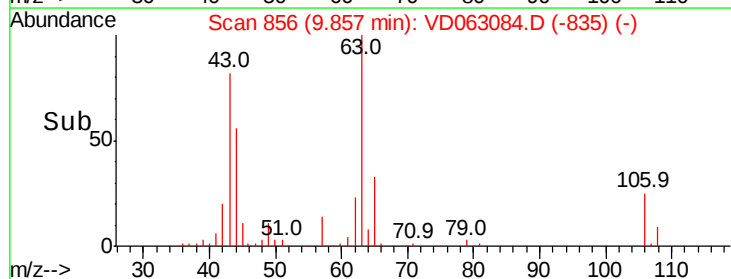
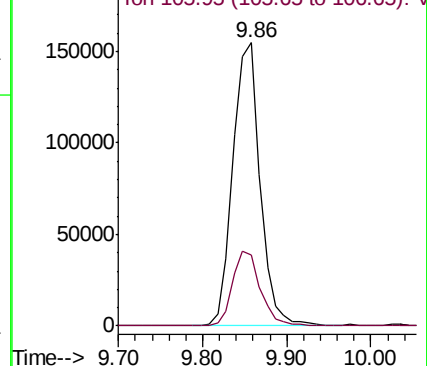
63 100

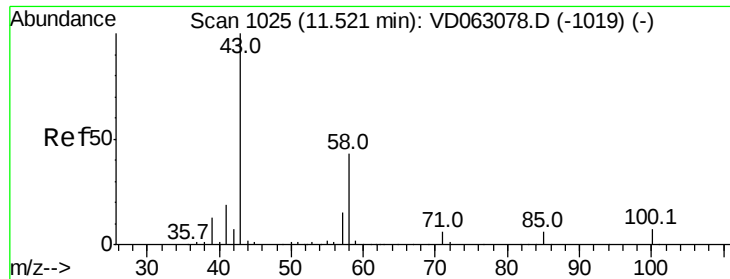
106 25.1 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

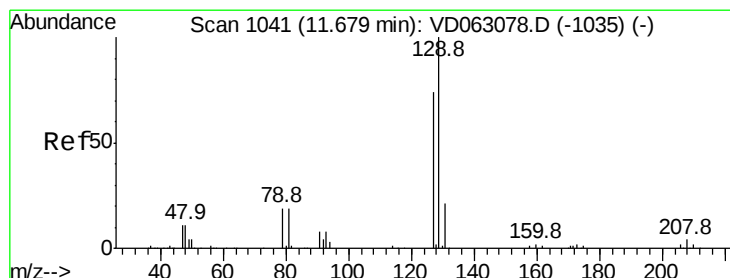
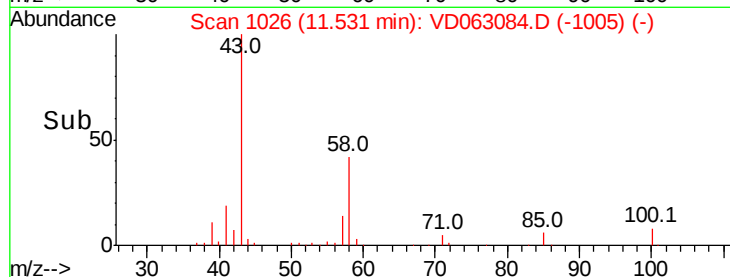
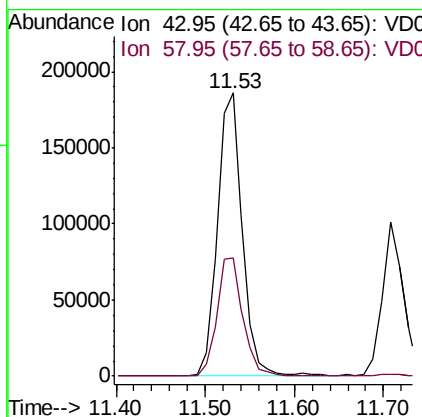
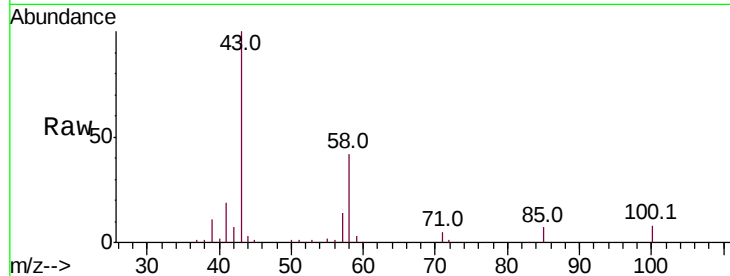




#59
2-Hexanone
Concen: 99.171 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

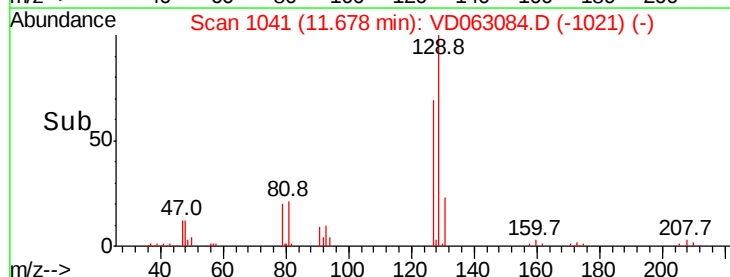
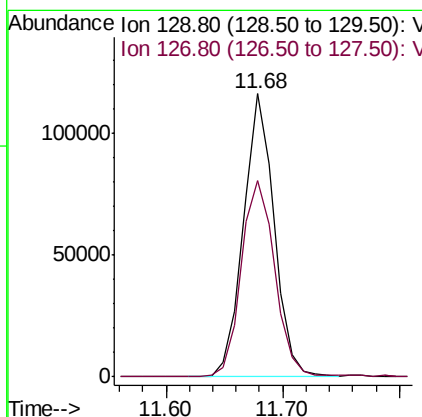
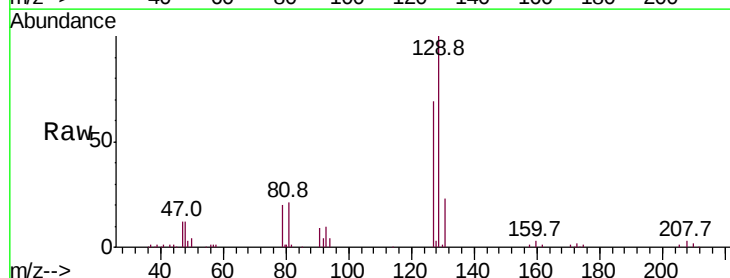
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

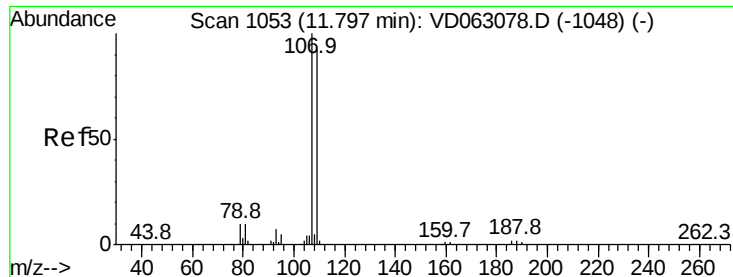
Tot Ion: 43 Resp: 363823
Ion Ratio Lower Upper
43 100
58 41.8 21.7 65.1



#60
Dibromochloromethane
Concen: 19.584 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion: 129 Resp: 212137
Ion Ratio Lower Upper
129 100
127 69.3 37.0 110.9





#61

1,2-Dibromoethane

Concen: 21.175 ug/l

RT: 11.80 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

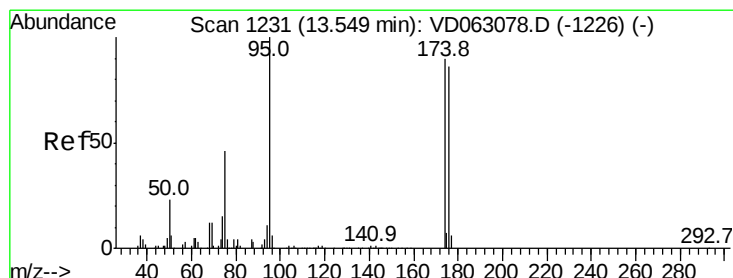
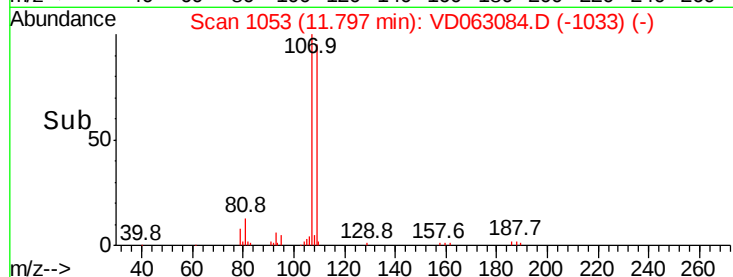
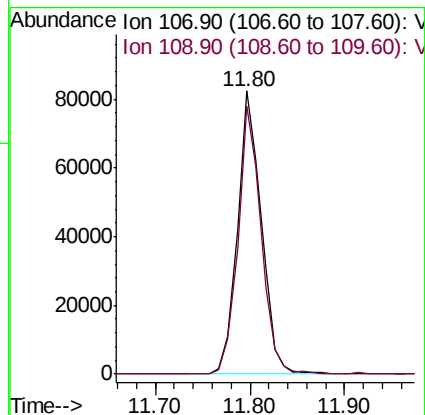
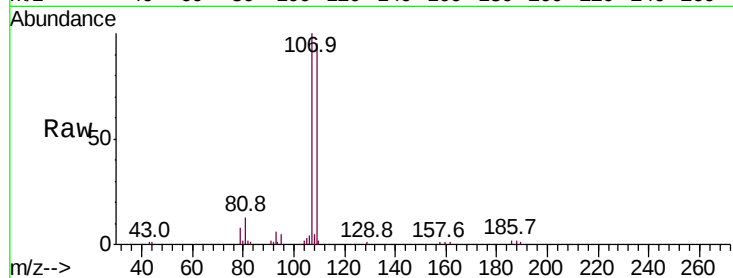
VD0715SBSD01

Tot Ion:107 Resp: 143233

Ion Ratio Lower Upper

107 100

109 94.7 73.6 110.4



#62

4-Bromofluorobenzene

Concen: 47.958 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

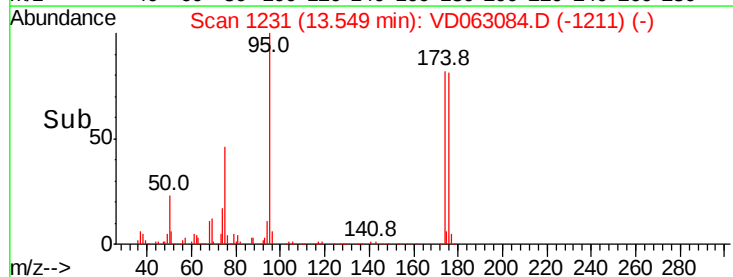
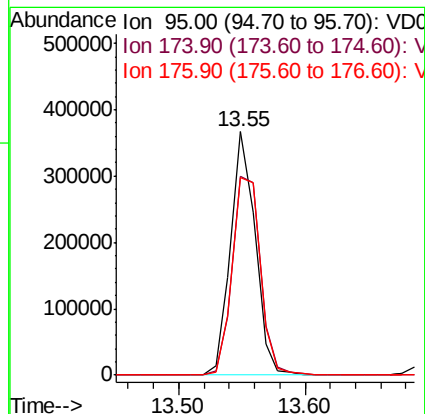
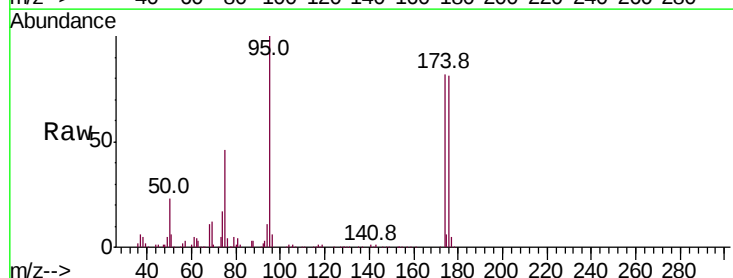
Tgt Ion: 95 Resp: 493464

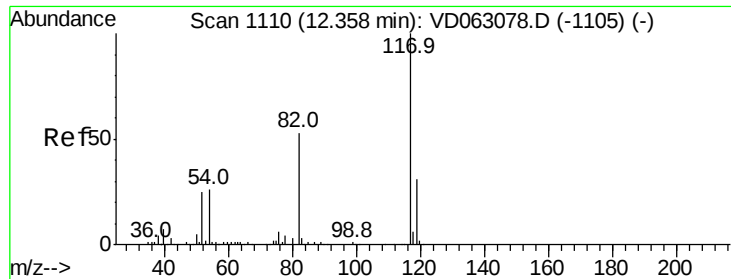
Ion Ratio Lower Upper

95 100

174 81.7 0.0 180.6

176 81.0 0.0 172.2

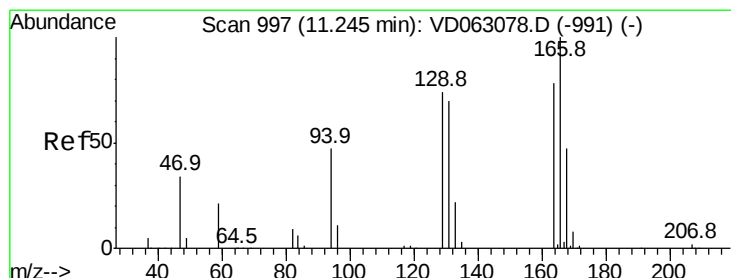
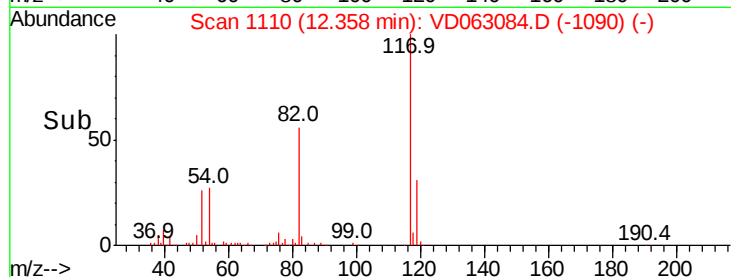
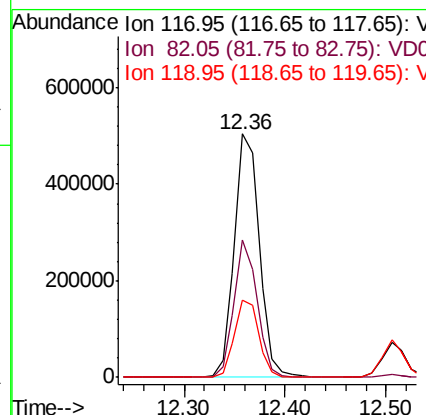
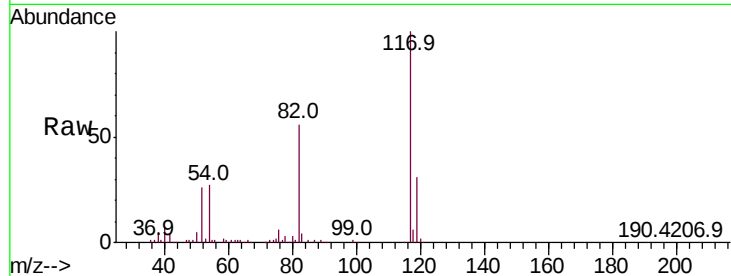




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

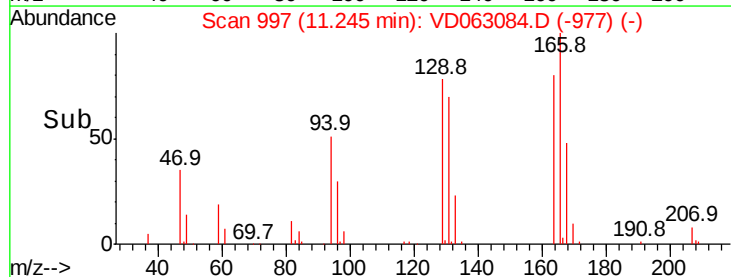
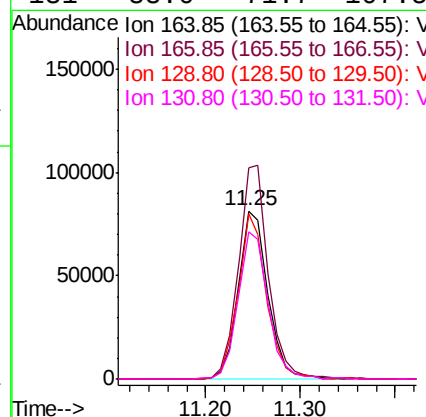
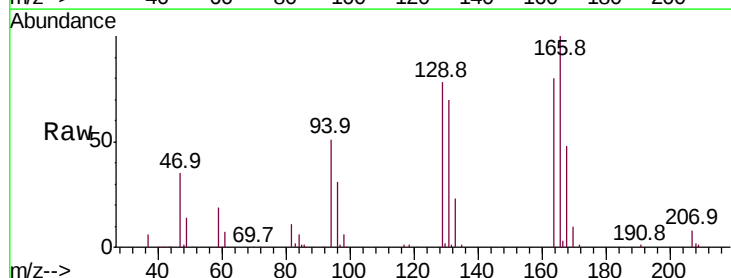
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

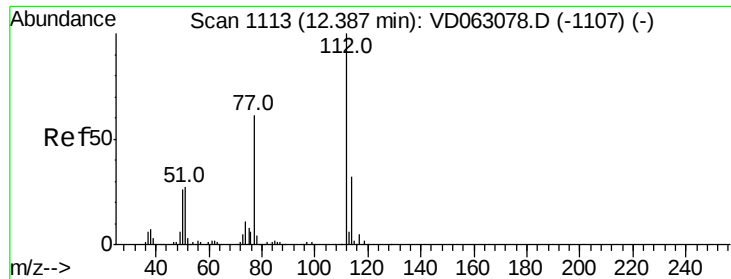
Tot Ion:117 Resp: 868009
Ion Ratio Lower Upper
117 100
82 56.5 42.3 63.5
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 20.846 ug/l
RT: 11.25 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion:164 Resp: 175577
Ion Ratio Lower Upper
164 100
166 125.5 102.8 154.2
129 98.4 76.4 114.6
131 88.0 71.7 107.5

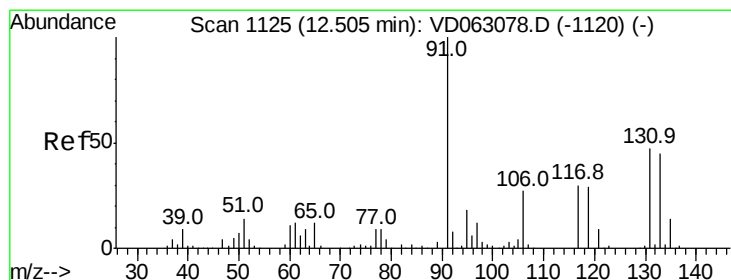
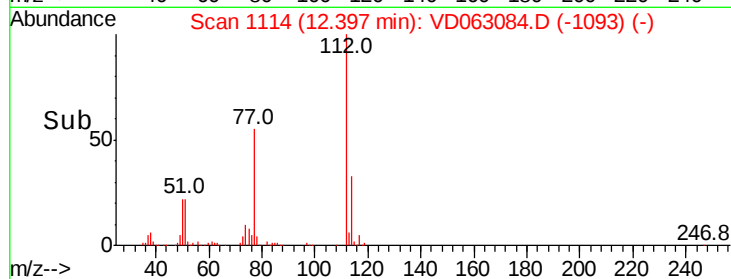
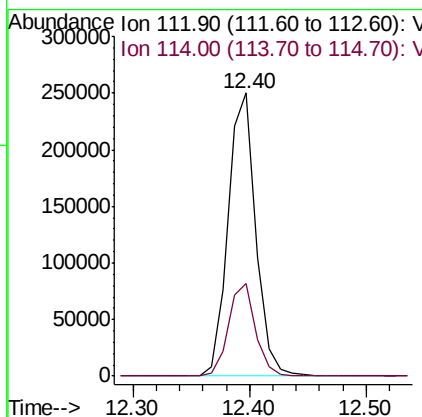
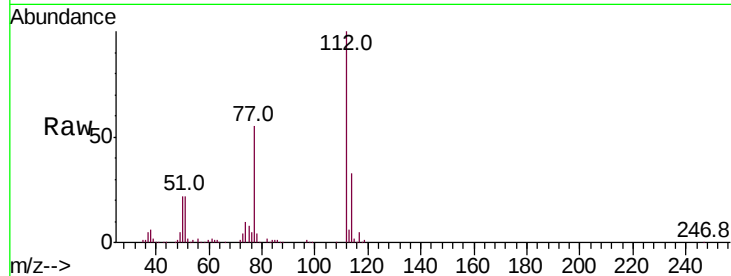




#65
Chlorobenzene
Concen: 20.169 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

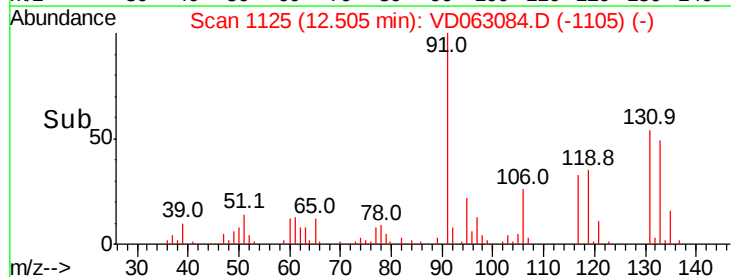
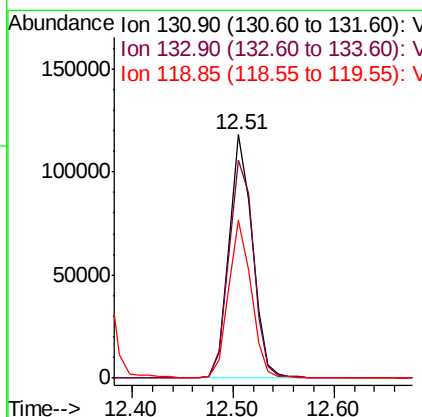
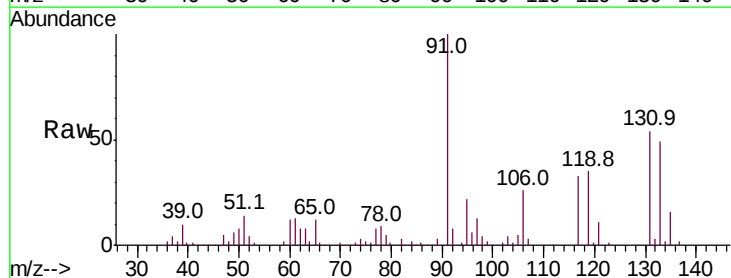
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

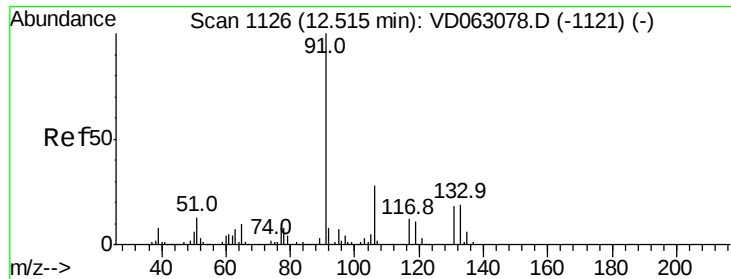
Tot Ion:112 Resp: 411535
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.030 ug/l
RT: 12.51 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion:131 Resp: 189488
Ion Ratio Lower Upper
131 100
133 89.8 48.5 145.6
119 64.8 30.8 92.3





#67

Ethyl Benzene

Concen: 20.274 ug/l

RT: 12.52 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

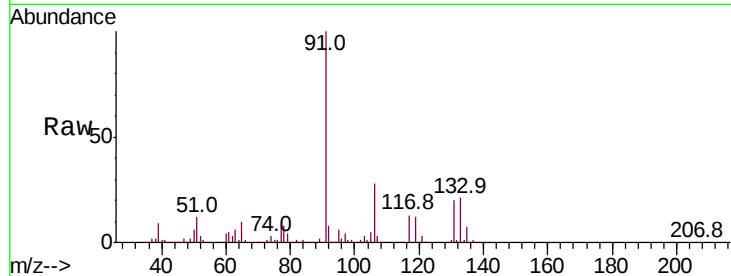
VD0715SBSD01

Tot Ion: 91 Resp: 718765

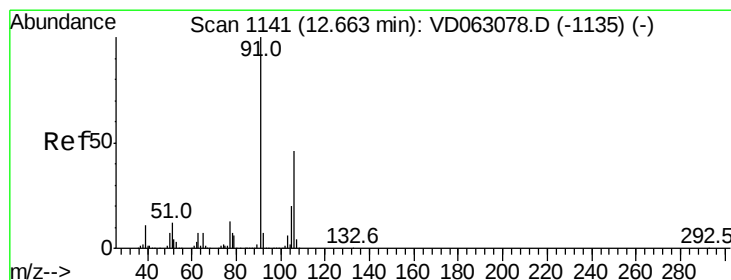
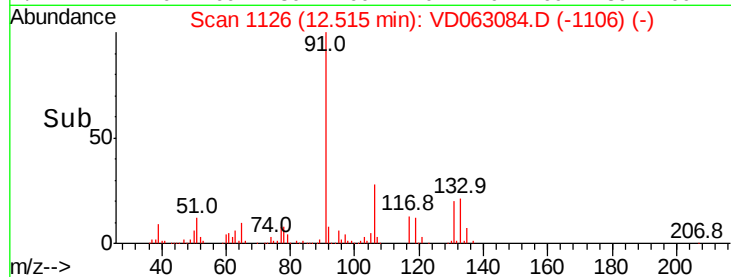
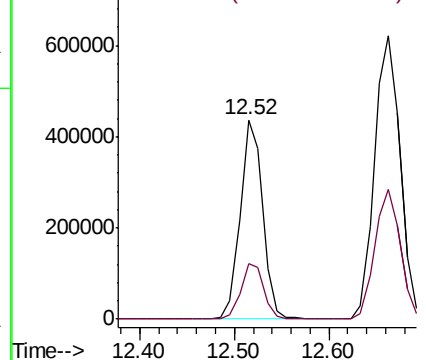
Ion Ratio Lower Upper

91 100

106 28.0 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.399 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VD063084.D

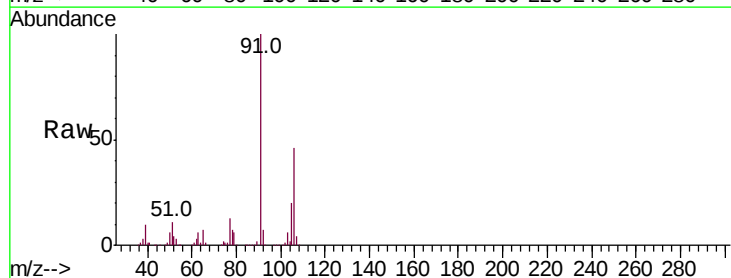
Acq: 15 Jul 2019 16:54

Tgt Ion: 106 Resp: 538395

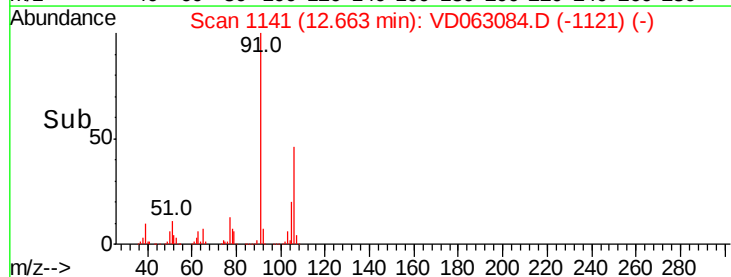
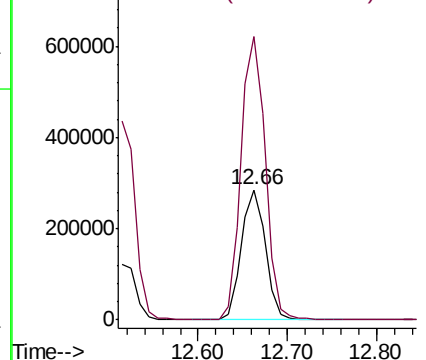
Ion Ratio Lower Upper

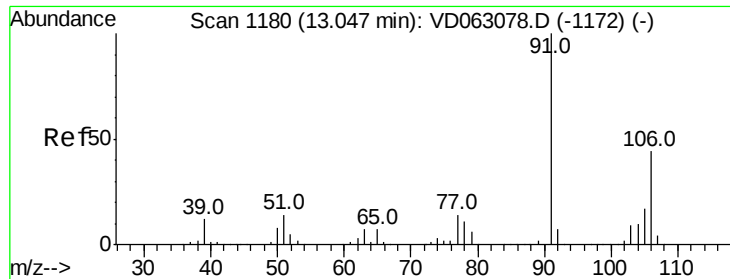
106 100

91 217.8 173.0 259.6



Abundance Ion 106.05 (105.75 to 106.75): V

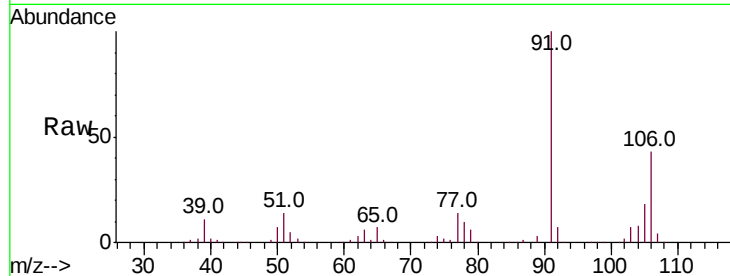




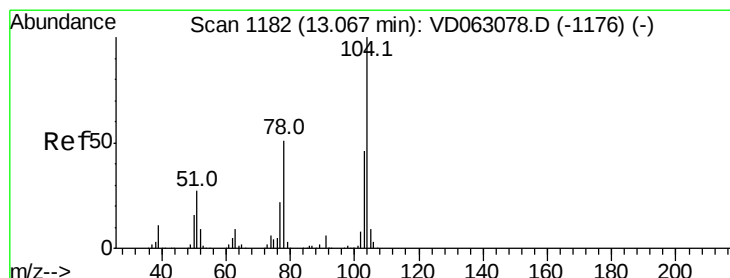
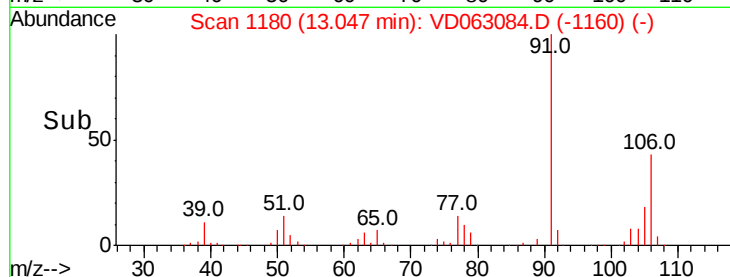
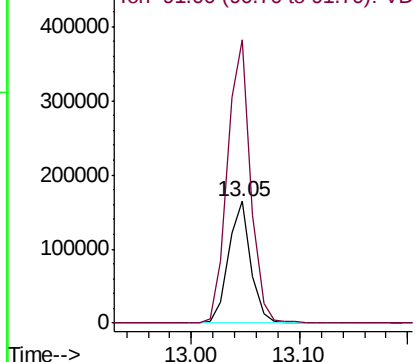
#69
o-Xylene
Concen: 19.572 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion:106 Resp: 235664
Ion Ratio Lower Upper
106 100
91 232.0 114.9 344.7

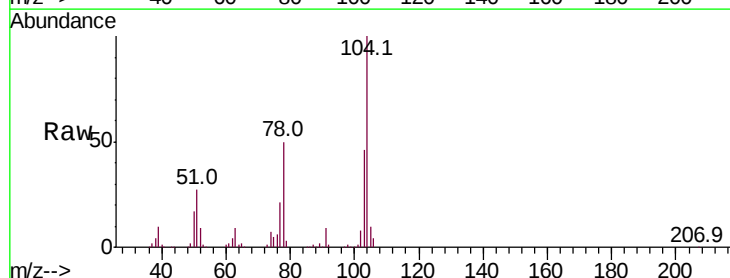


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

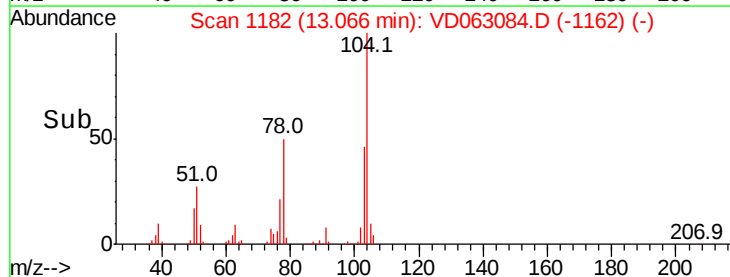
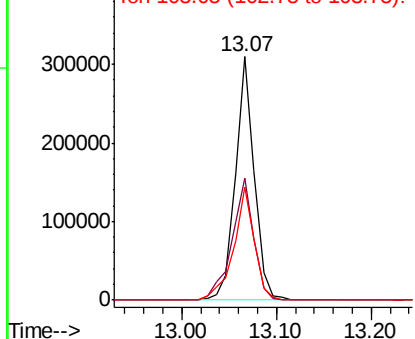


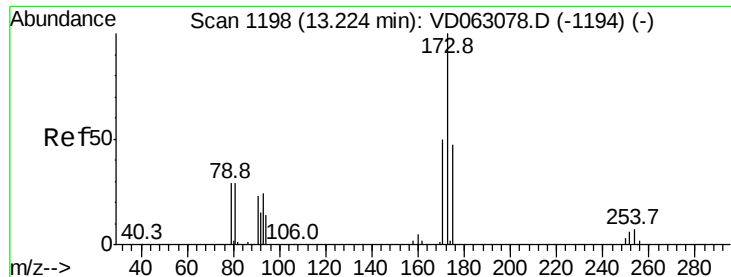
#70
Styrene
Concen: 20.363 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion:104 Resp: 429165
Ion Ratio Lower Upper
104 100
78 50.1 41.1 61.7
103 46.4 37.0 55.6



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





#71

Bromoform

Concen: 20.553 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

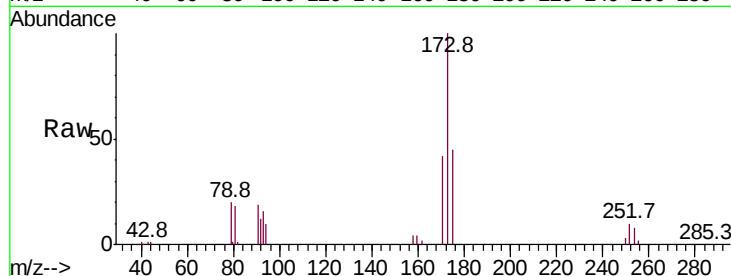
Tot Ion:173 Resp: 136122

Ion Ratio Lower Upper

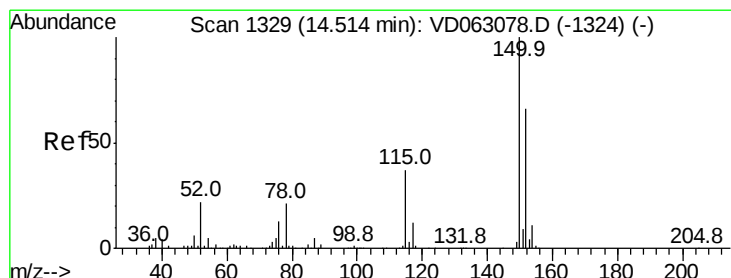
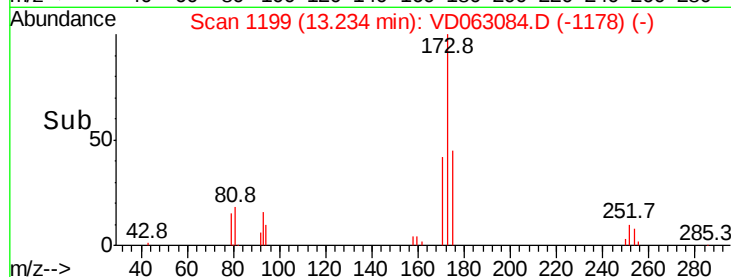
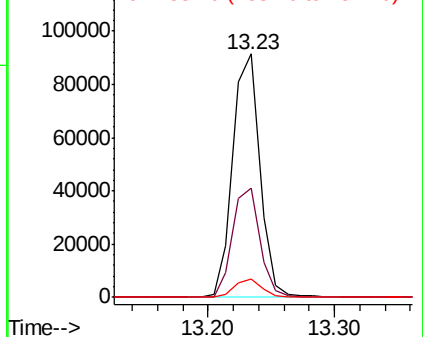
173 100

175 44.7 23.4 70.2

254 7.6 5.4 8.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

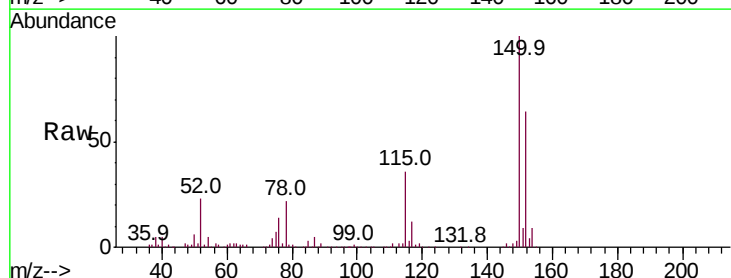
Tgt Ion:152 Resp: 470104

Ion Ratio Lower Upper

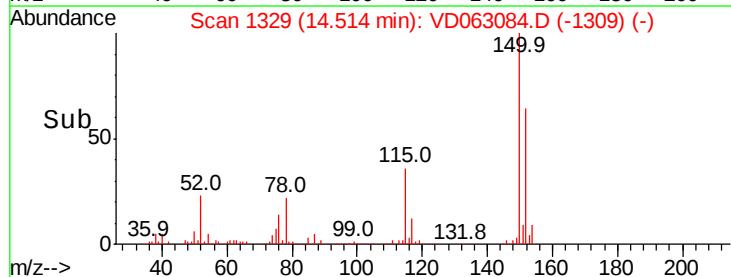
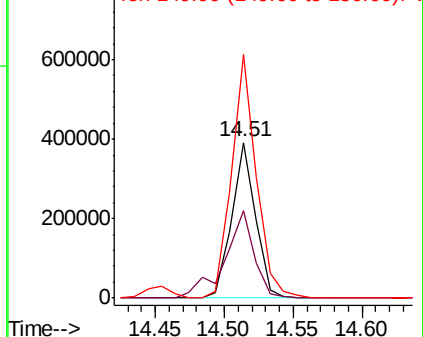
152 100

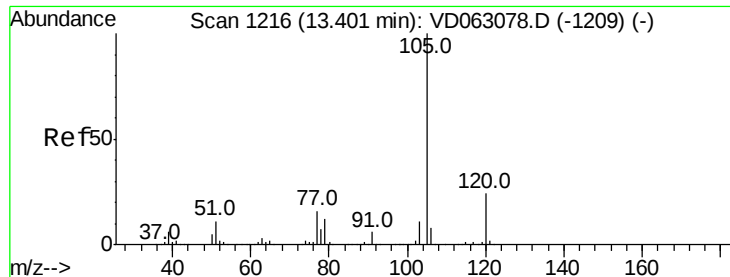
115 56.3 28.9 86.8

150 156.7 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.292 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

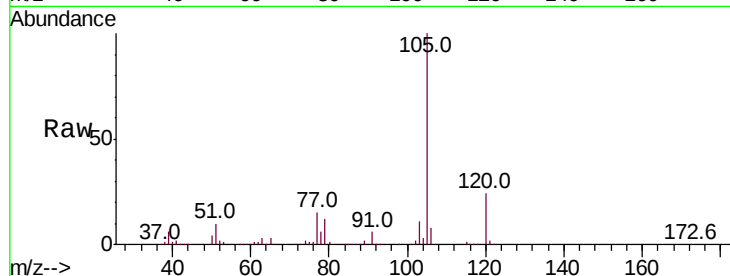
VD0715SBS01

Tot Ion:105 Resp: 772989

Ion Ratio Lower Upper

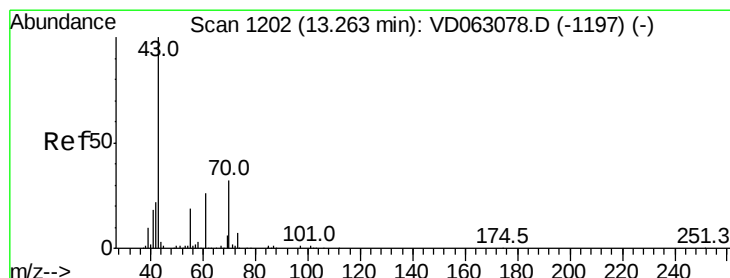
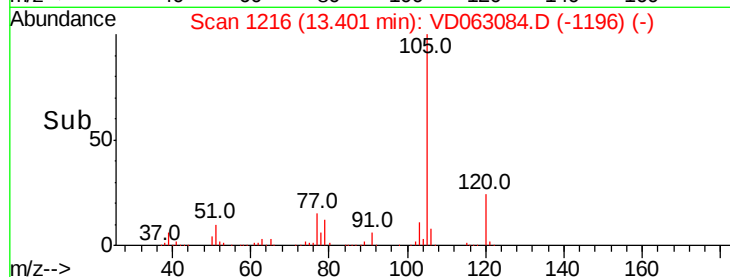
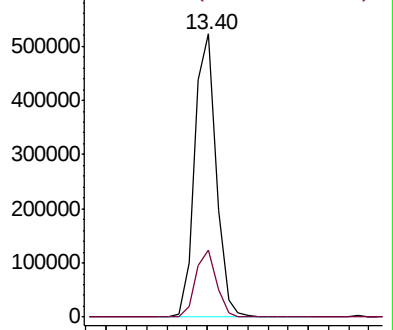
105 100

120 23.6 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.782 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Tgt Ion: 43 Resp: 200293

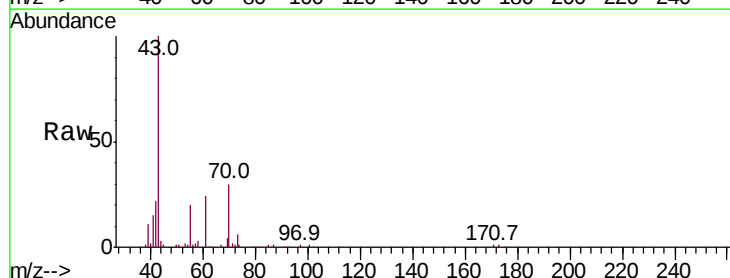
Ion Ratio Lower Upper

43 100

70 30.4 25.5 38.3

55 19.7 15.4 23.0

61 24.0 20.6 31.0

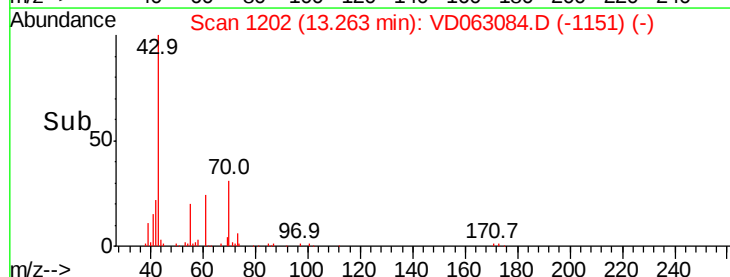
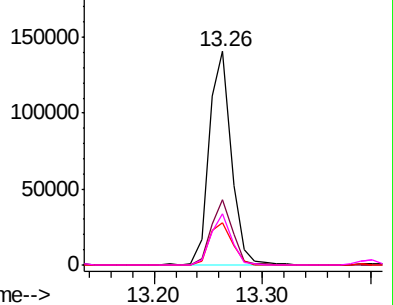


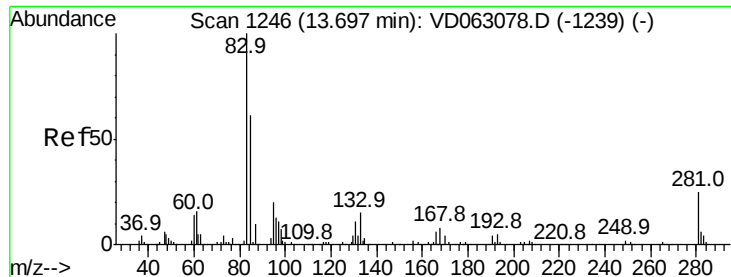
Abundance Ion 42.95 (42.65 to 43.65): V

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: 19.515 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBSD01

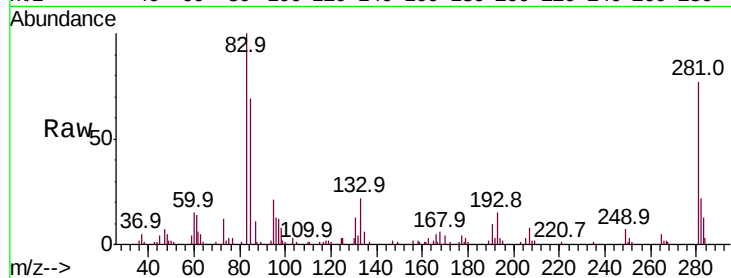
Tot Ion: 83 Resp: 128907

Ion Ratio Lower Upper

83 100

131 12.5 5.5 16.7

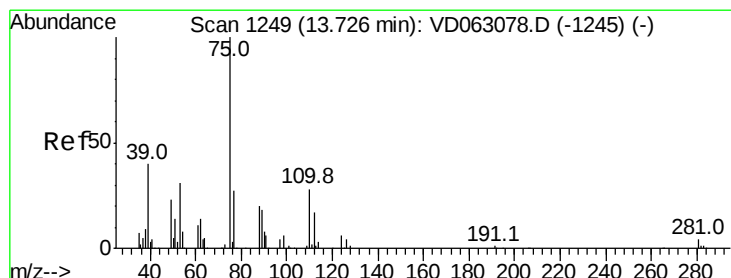
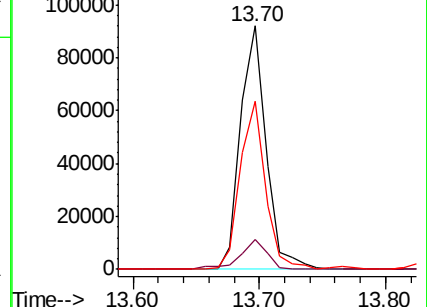
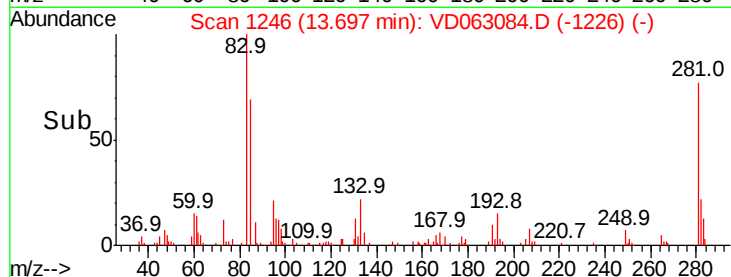
85 69.3 30.7 92.1



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: 19.982 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063084.D

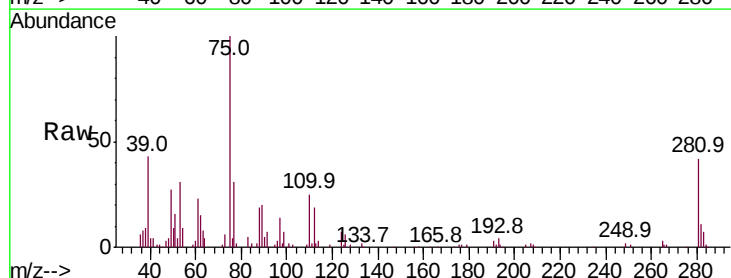
Acq: 15 Jul 2019 16:54

Tgt Ion: 75 Resp: 144503

Ion Ratio Lower Upper

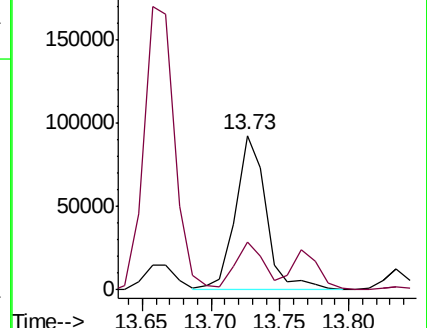
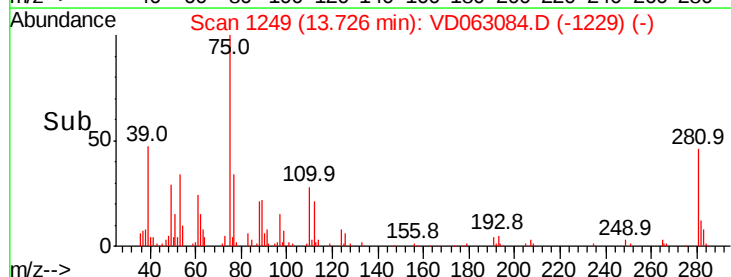
75 100

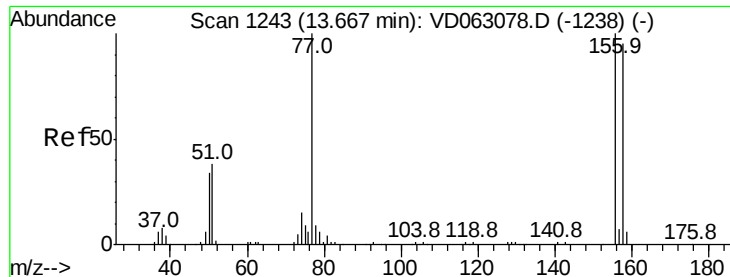
77 30.8 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.100 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

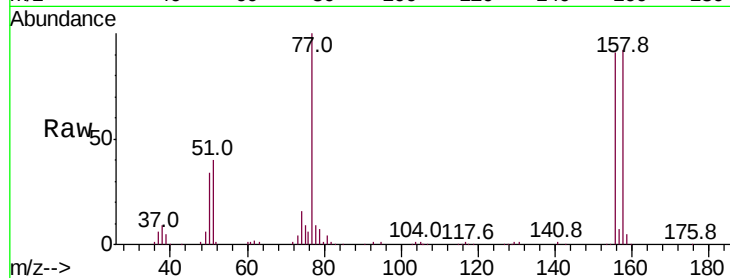
Tot Ion:156 Resp: 206940

Ion Ratio Lower Upper

156 100

77 110.1 50.2 150.7

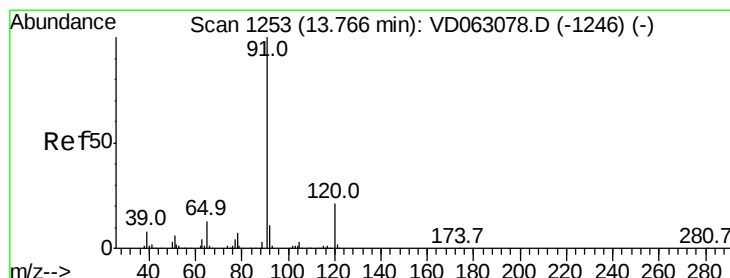
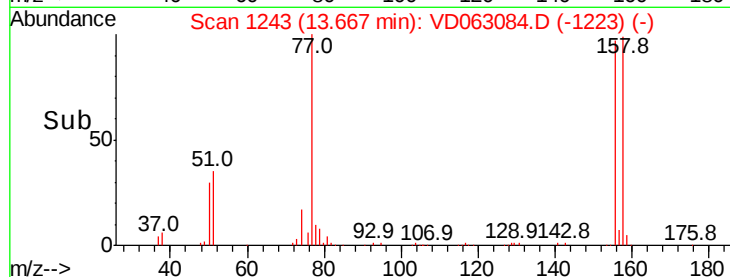
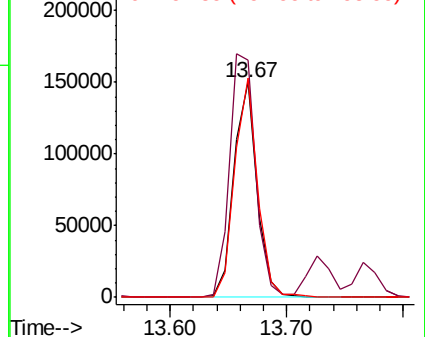
158 101.8 47.6 142.9



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: 19.591 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD063084.D

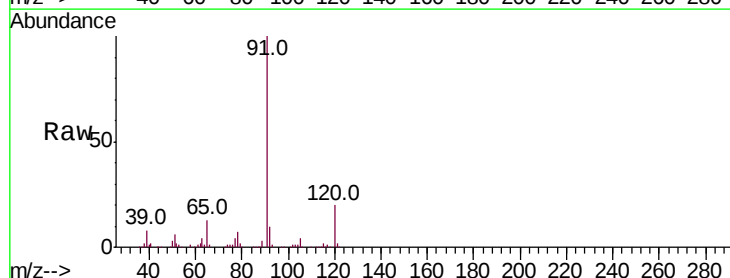
Acq: 15 Jul 2019 16:54

Tgt Ion: 91 Resp: 818504

Ion Ratio Lower Upper

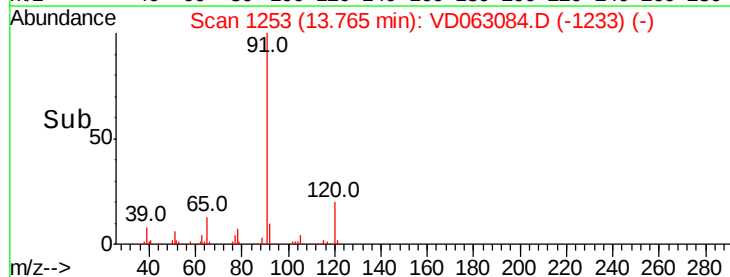
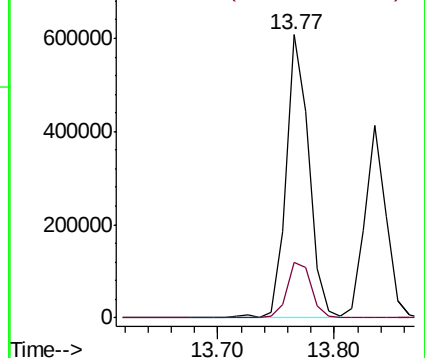
91 100

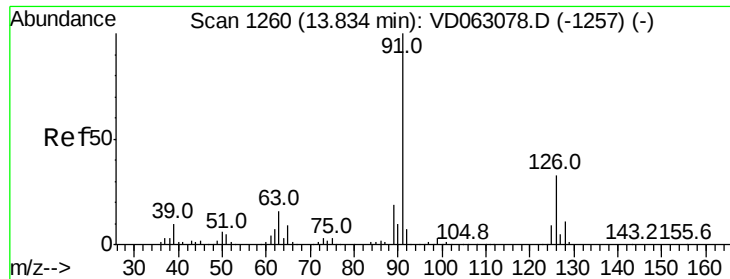
120 19.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.579 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

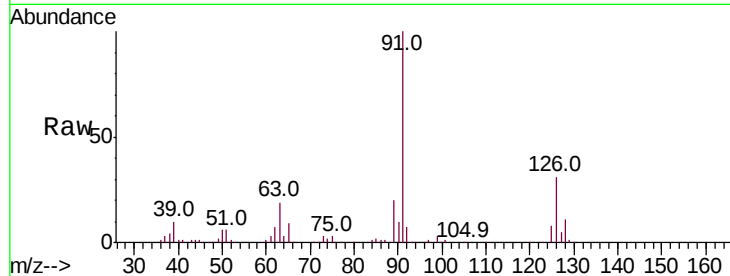
VD0715SBSD01

Tot Ion: 91 Resp: 519827

Ion Ratio Lower Upper

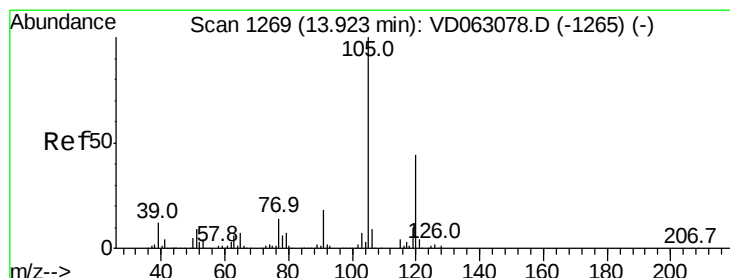
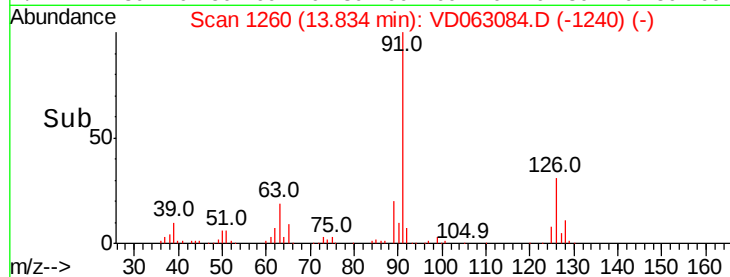
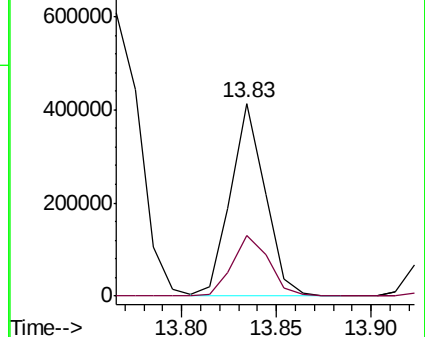
91 100

126 31.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.193 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063084.D

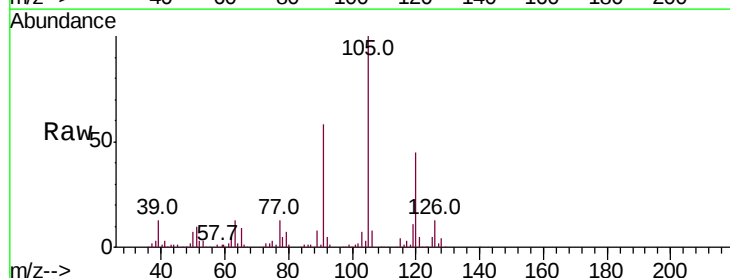
Acq: 15 Jul 2019 16:54

Tgt Ion:105 Resp: 670588

Ion Ratio Lower Upper

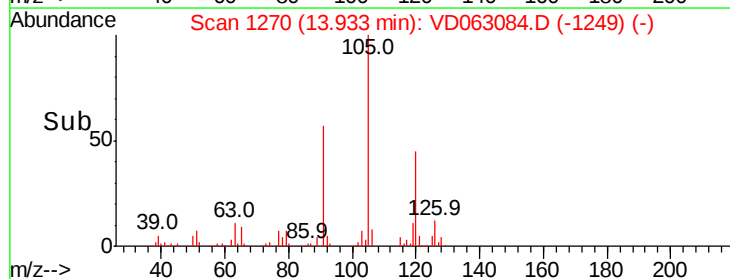
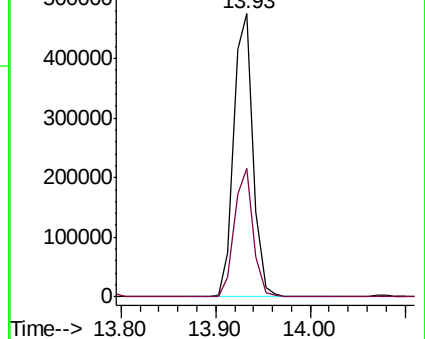
105 100

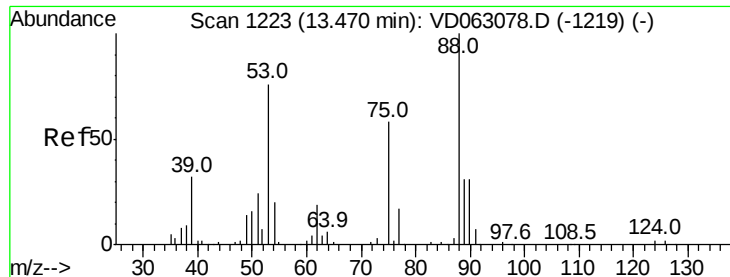
120 45.4 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.665 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

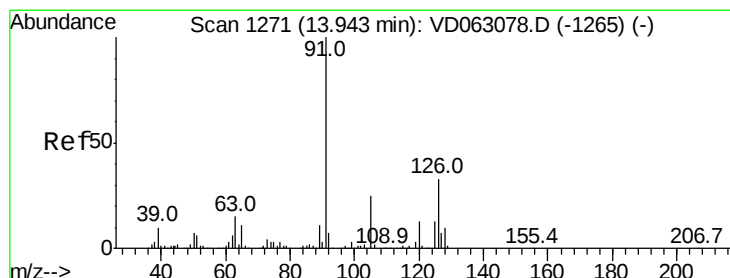
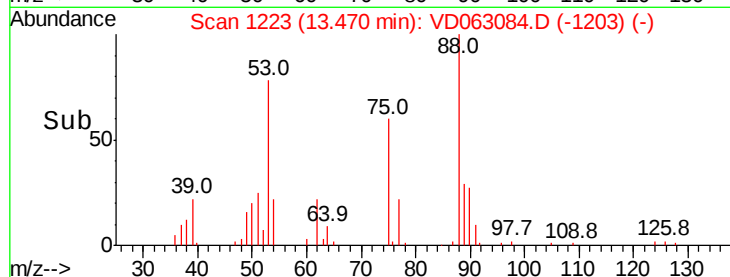
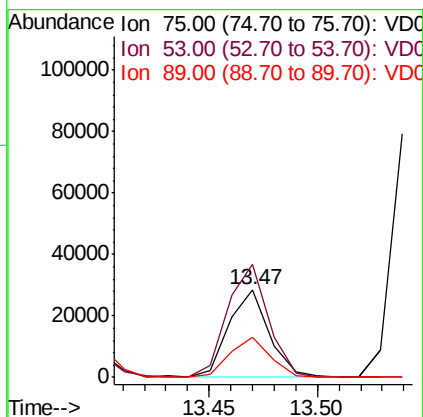
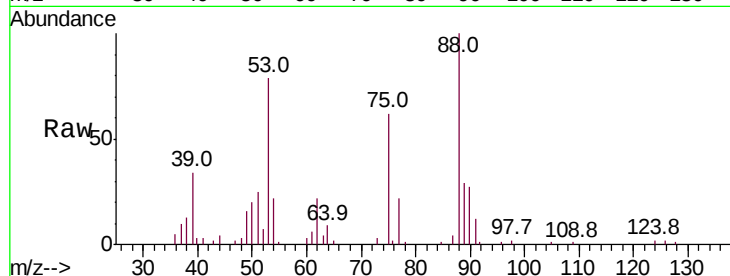
Tot Ion: 75 Resp: 37448

Ion Ratio Lower Upper

75 100

53 128.8 104.4 156.6

89 46.4 43.1 64.7



#82

4-Chlorotoluene

Concen: 21.528 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063084.D

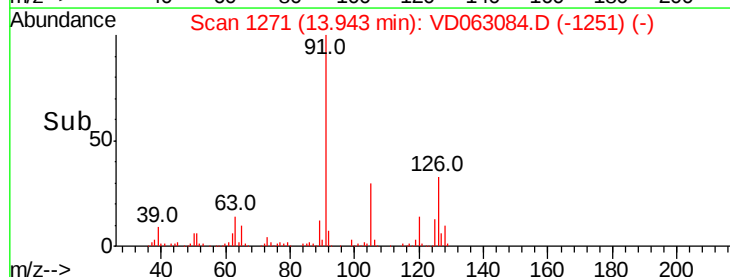
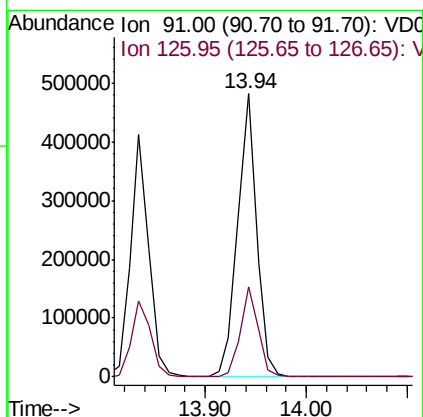
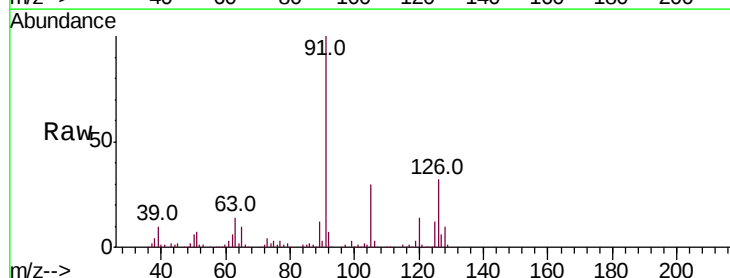
Acq: 15 Jul 2019 16:54

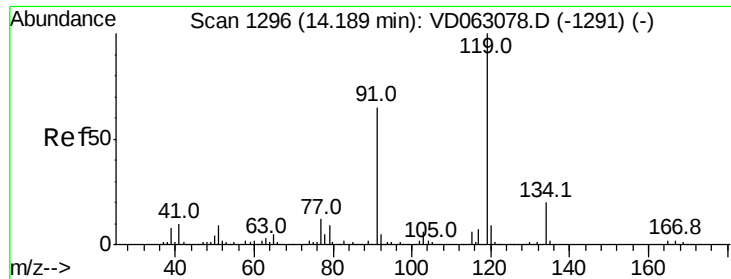
Tgt Ion: 91 Resp: 635021

Ion Ratio Lower Upper

91 100

126 32.0 16.7 50.1

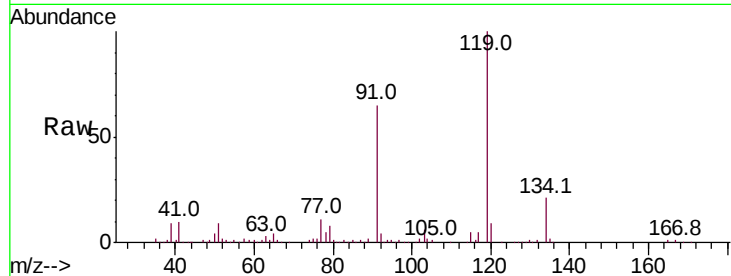




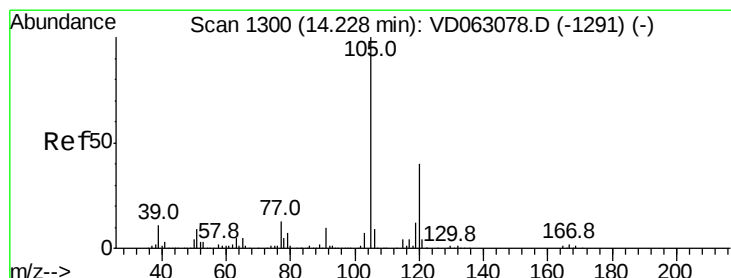
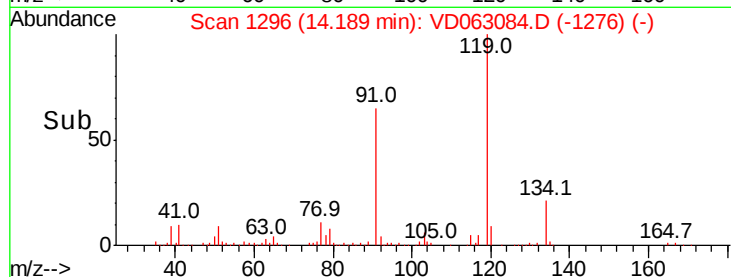
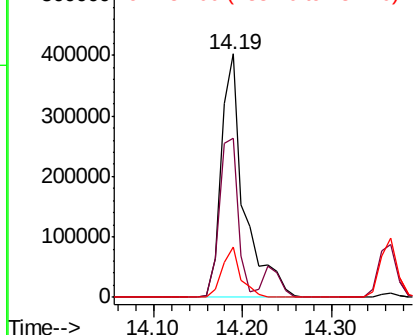
#83
tert-Butylbenzene
Concen: 20.187 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion:119 Resp: 722242
Ion Ratio Lower Upper
119 100
91 65.3 32.4 97.2
134 20.9 10.2 30.6

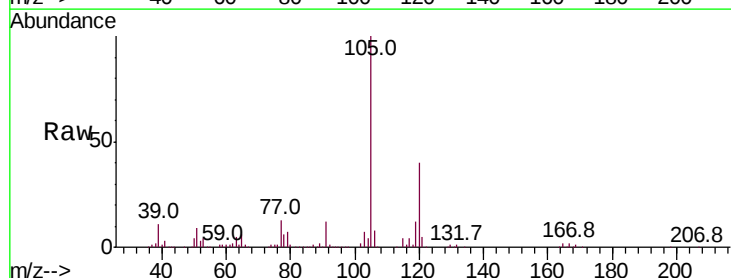


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

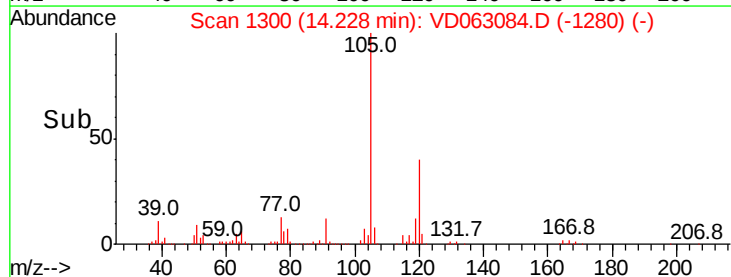
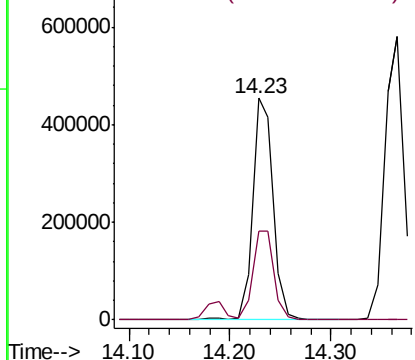


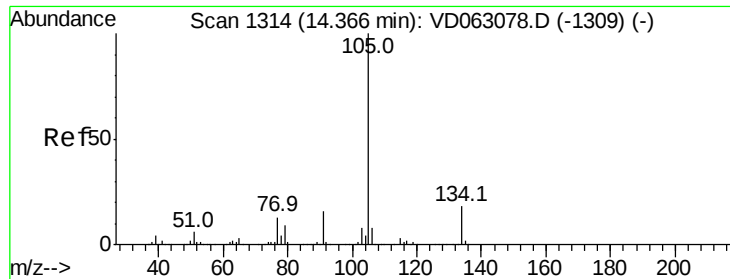
#84
1,2,4-Trimethylbenzene
Concen: 20.351 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Tgt Ion:105 Resp: 641981
Ion Ratio Lower Upper
105 100
120 39.9 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.549 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

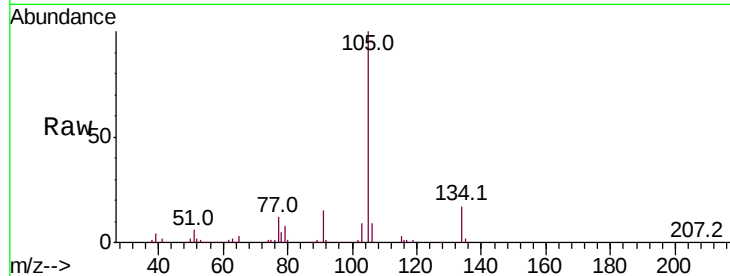
VD0715SBSD01

Tot Ion:105 Resp: 781135

Ion Ratio Lower Upper

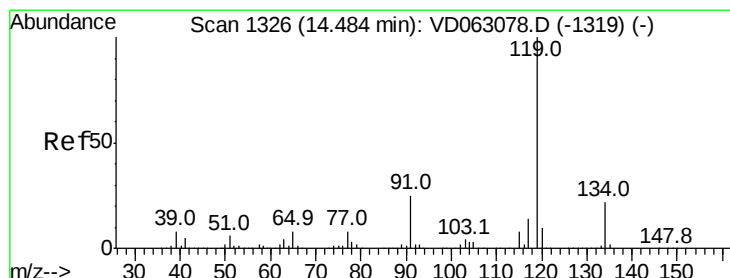
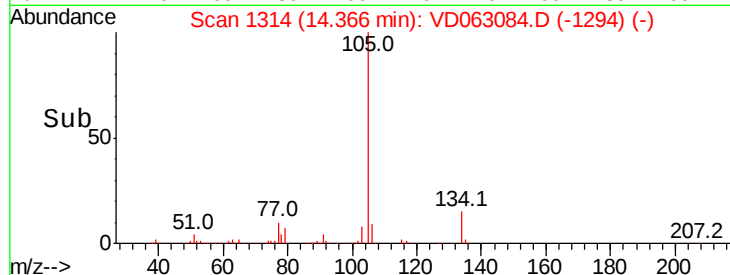
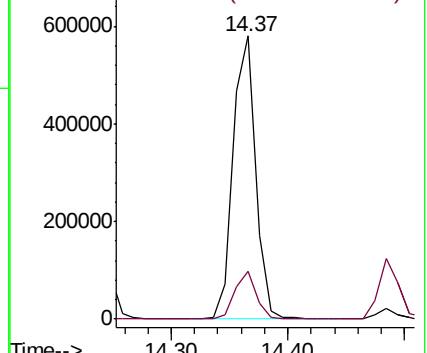
105 100

134 17.0 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.402 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

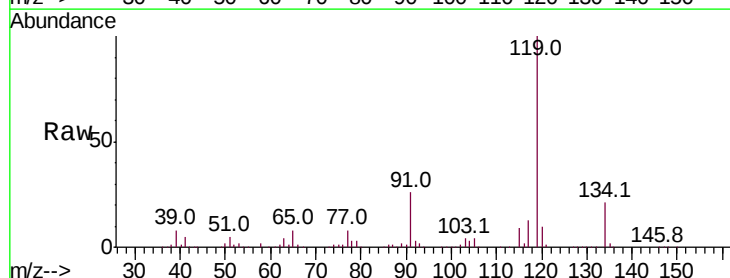
Tgt Ion:119 Resp: 723494

Ion Ratio Lower Upper

119 100

134 20.9 10.8 32.4

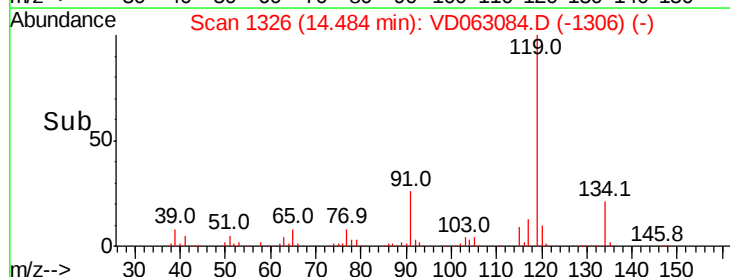
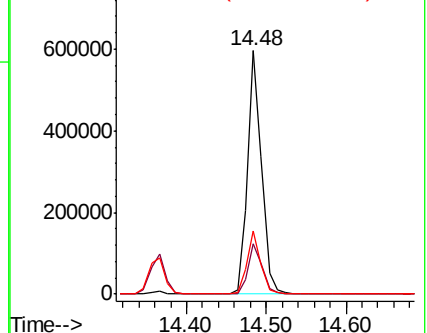
91 26.0 12.5 37.5

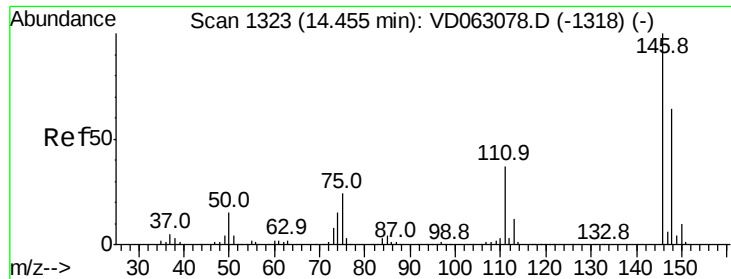


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

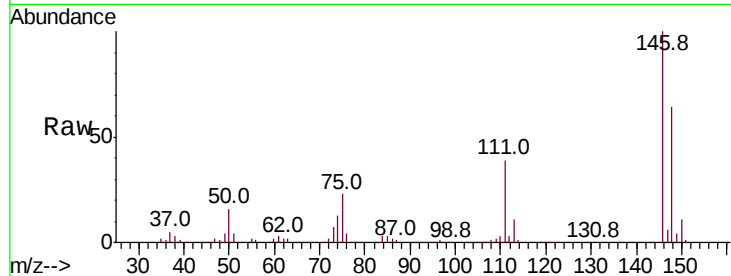




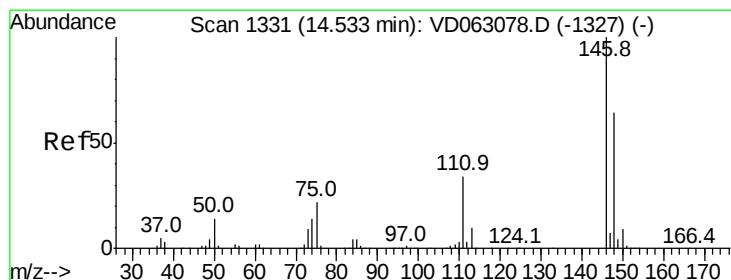
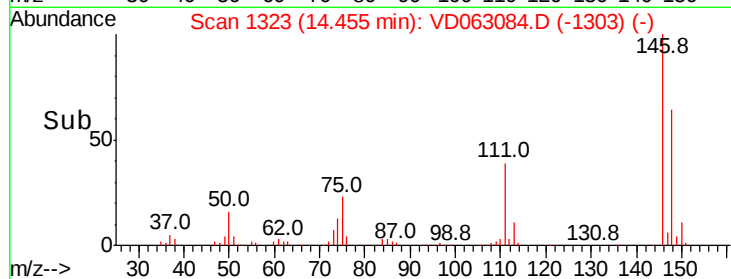
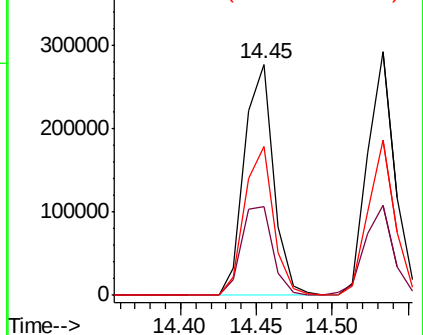
#87
 1,3-Dichlorobenzene
 Concen: 20.252 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.6
148	64.2	32.0	96.0

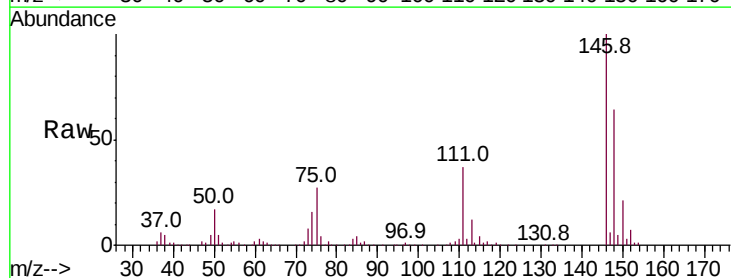


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

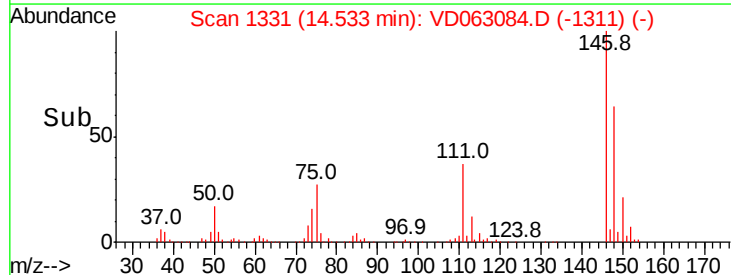
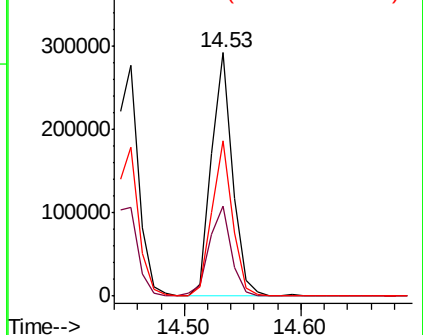


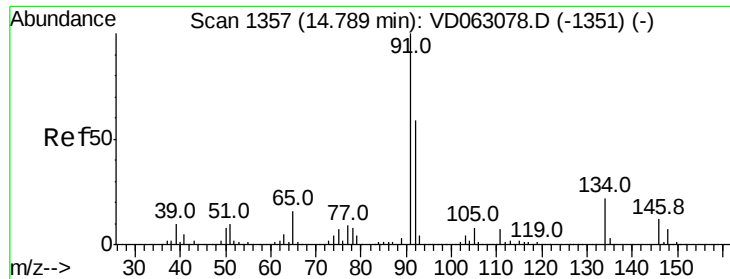
#88
 1,4-Dichlorobenzene
 Concen: 20.810 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.0	51.0
148	63.6	32.0	96.2



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





#89

n-Butylbenzene

Concen: 20.688 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

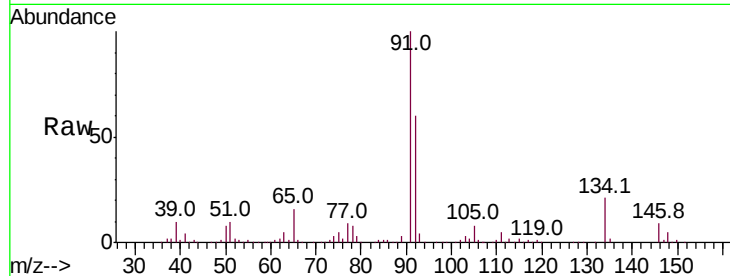
Tot Ion: 91 Resp: 676169

Ion Ratio Lower Upper

91 100

92 59.6 29.4 88.3

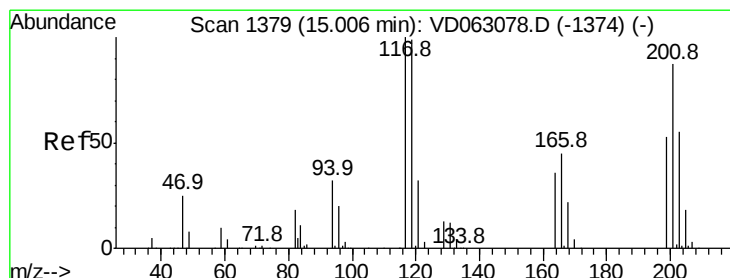
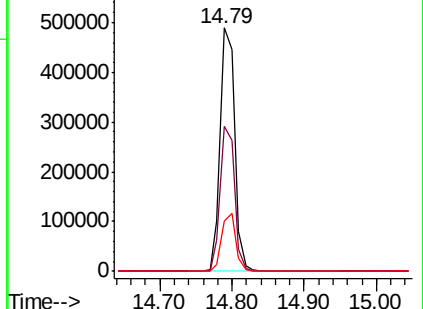
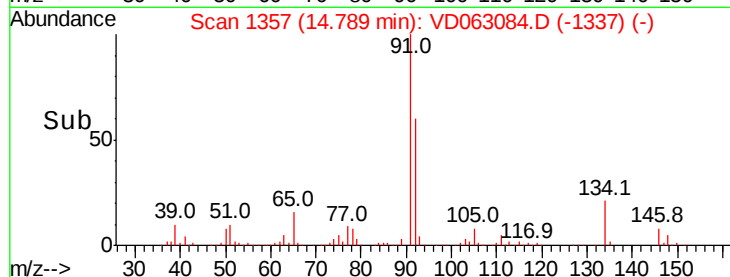
134 20.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.000 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063084.D

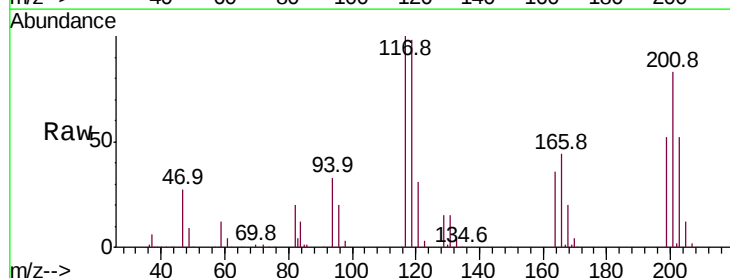
Acq: 15 Jul 2019 16:54

Tgt Ion: 117 Resp: 189595

Ion Ratio Lower Upper

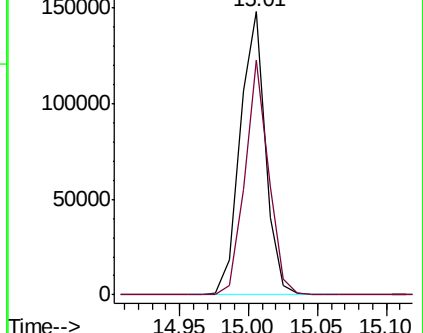
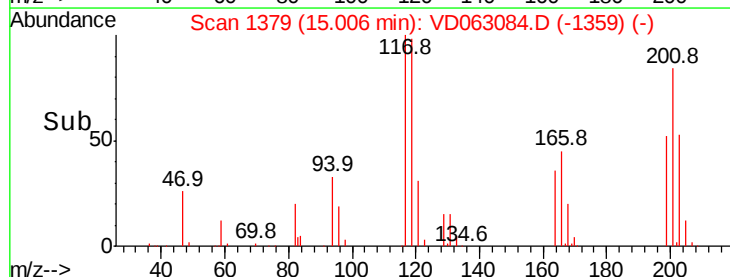
117 100

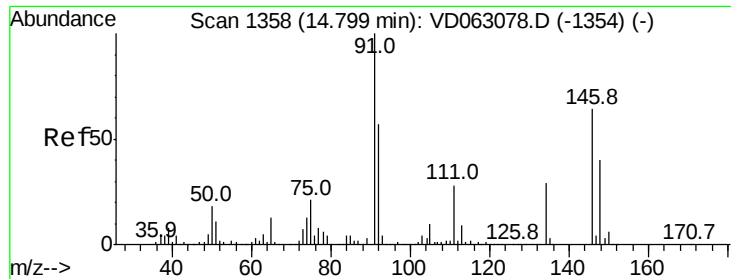
201 83.1 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

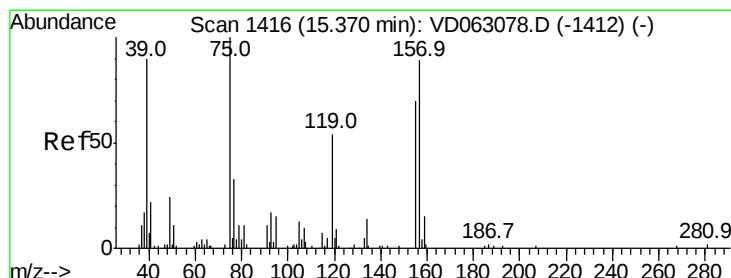
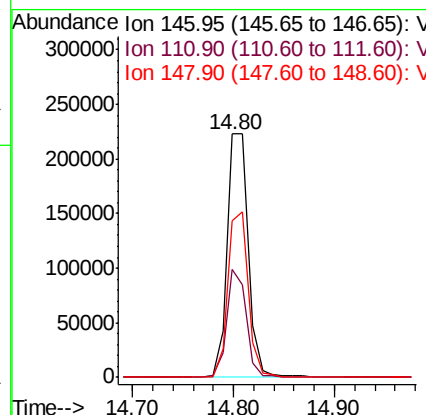
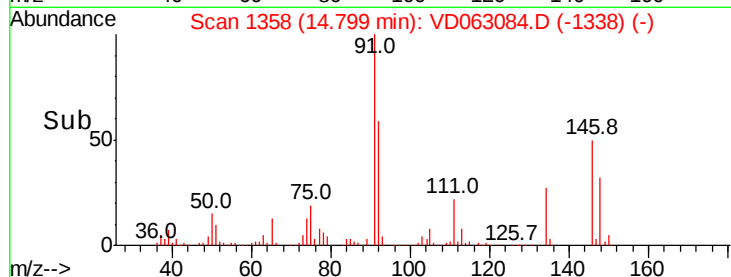
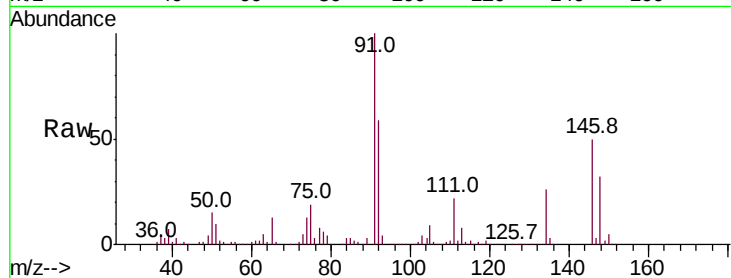




#91
 1,2-Dichlorobenzene
 Concen: 19.822 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

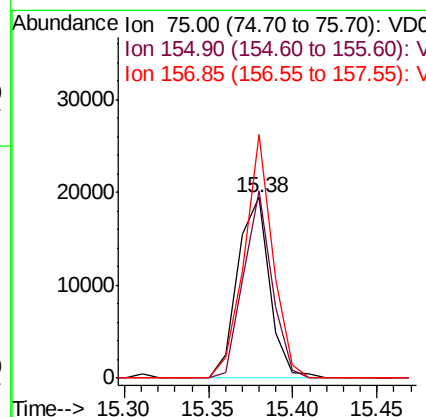
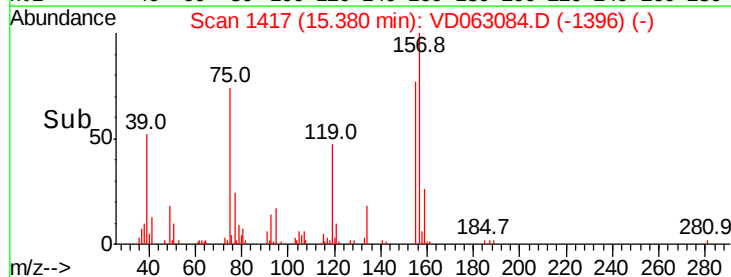
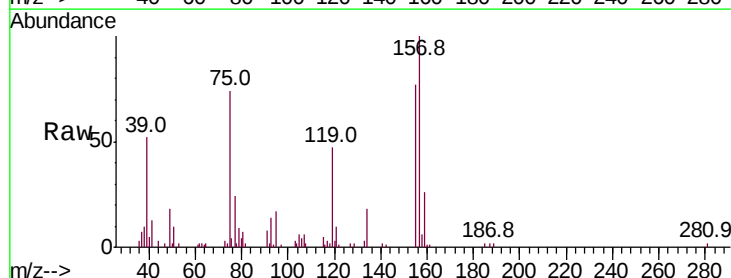
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

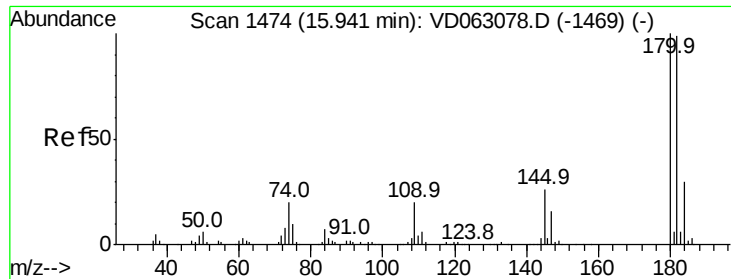
Tot Ion:146 Resp: 324525
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.9 65.5
 148 64.5 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.298 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion: 75 Resp: 25700
 Ion Ratio Lower Upper
 75 100
 155 103.7 34.8 104.3
 157 135.0 44.7 134.1#

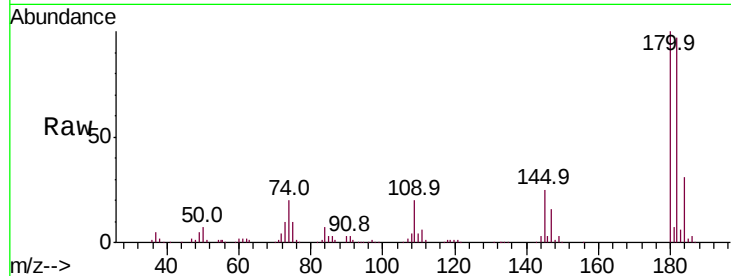




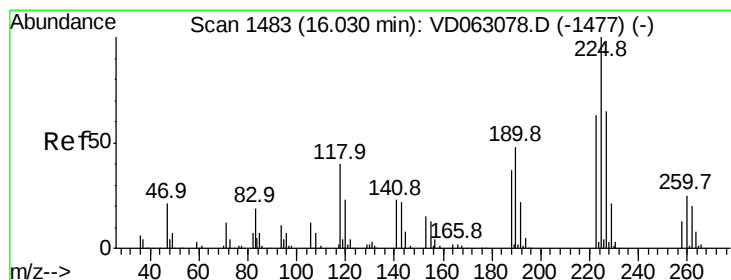
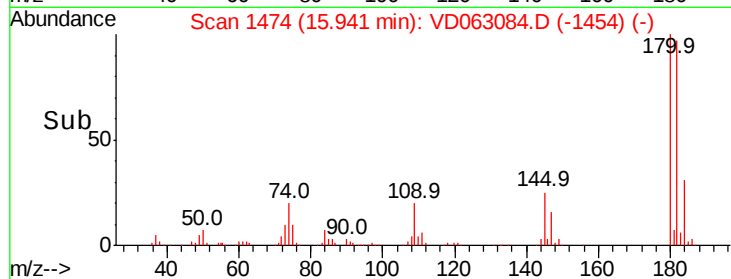
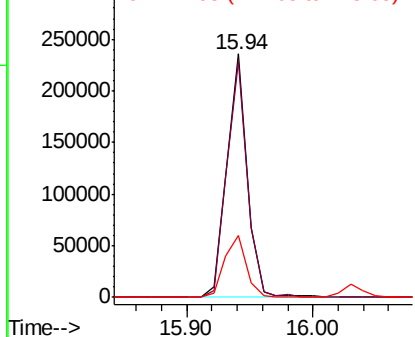
#93
 1,2,4-Trichlorobenzene
 Concen: 21.290 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	49.5	148.3
145	25.4	12.8	38.4

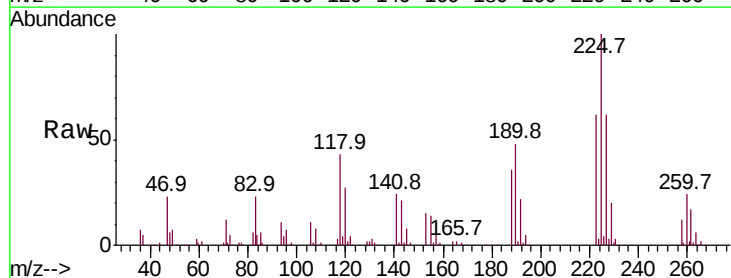


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

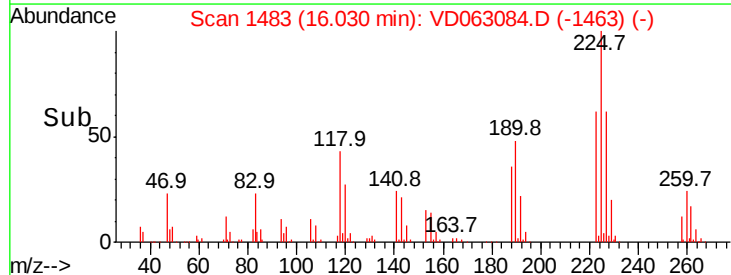
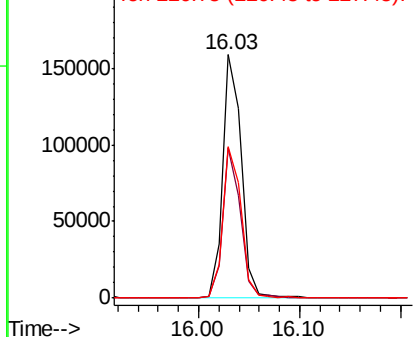


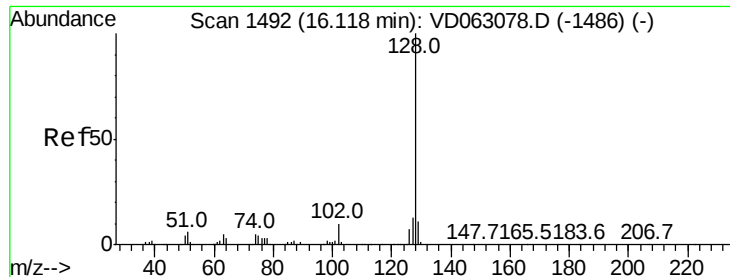
#94
 Hexachlorobutadiene
 Concen: 22.586 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.4	94.2
227	62.4	32.6	97.8



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: 20.686 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

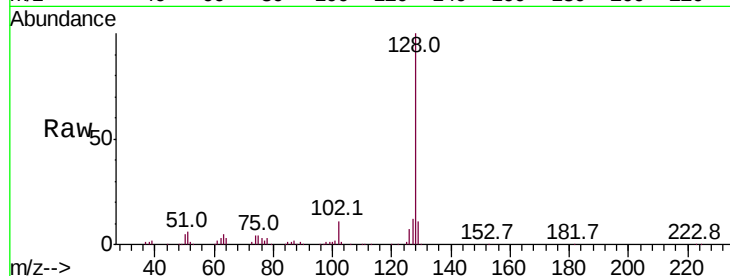
Tot Ion:128 Resp: 372195

Ion Ratio Lower Upper

128 100

127 11.5 10.7 16.1

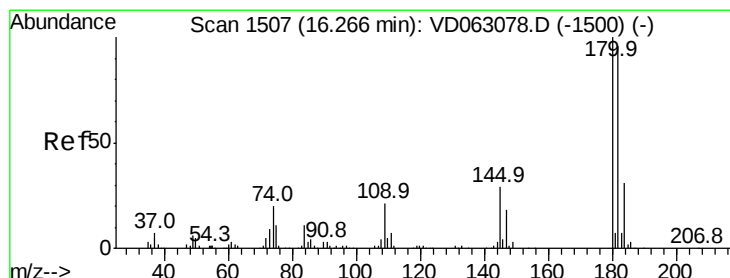
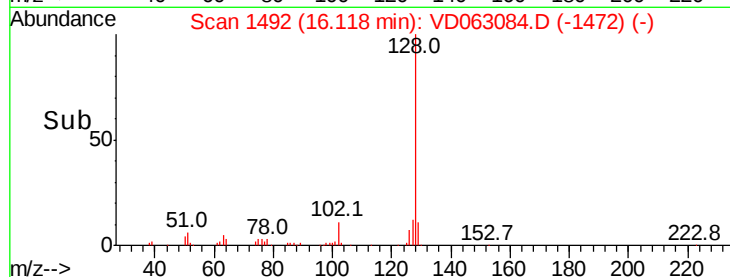
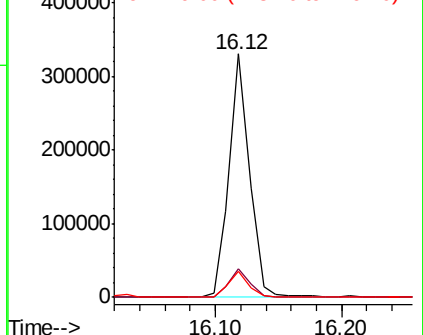
129 10.8 8.7 13.1



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: 19.866 ug/l

RT: 16.27 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD063084.D

Acq: 15 Jul 2019 16:54

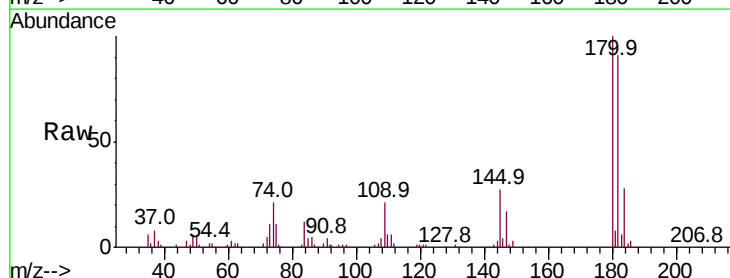
Tgt Ion:180 Resp: 196573

Ion Ratio Lower Upper

180 100

182 91.5 47.9 143.6

145 26.6 14.4 43.4



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

