

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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 Misc : 5.00µl/5ml/MSVOA D/SOIL
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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

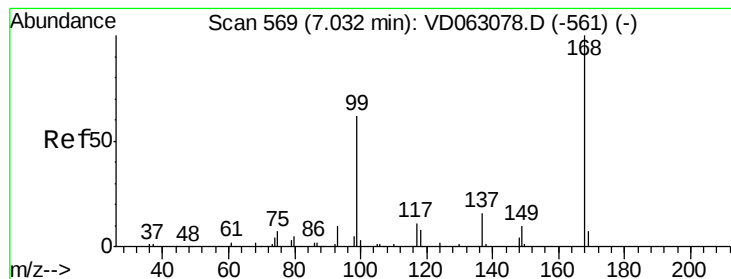
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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 :

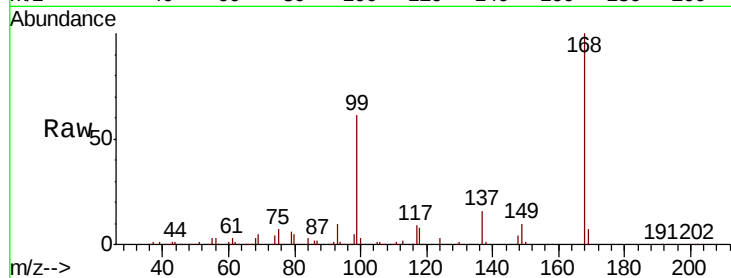
VD0715SBS01

Tot Ion:168 Resp: 717782

Ion Ratio Lower Upper

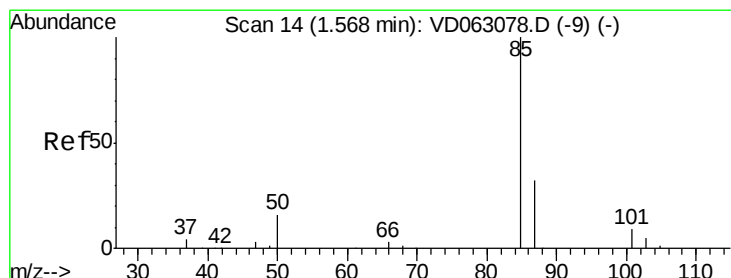
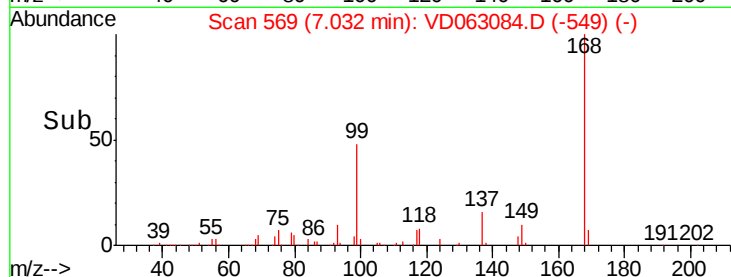
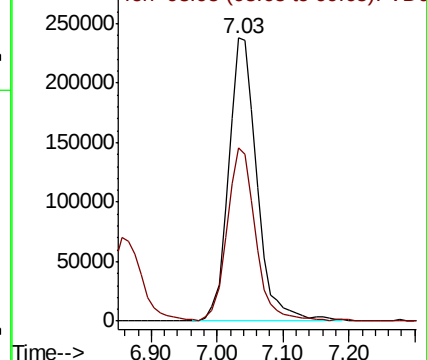
168 100

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

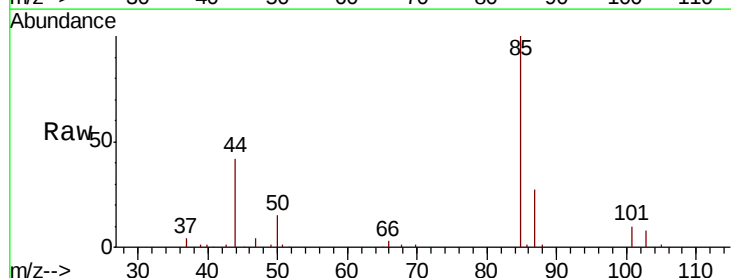
Acq: 15 Jul 2019 16:54

Tgt Ion: 85 Resp: 217364

Ion Ratio Lower Upper

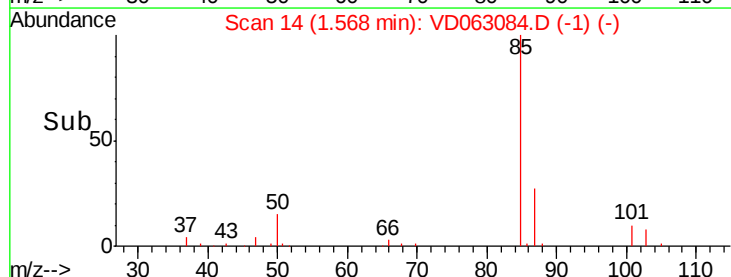
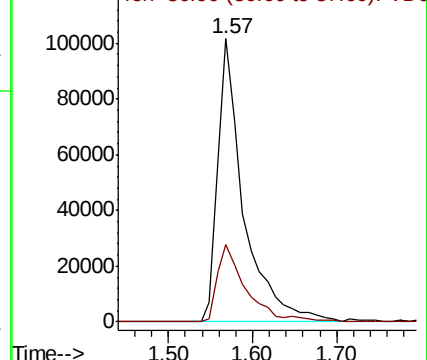
85 100

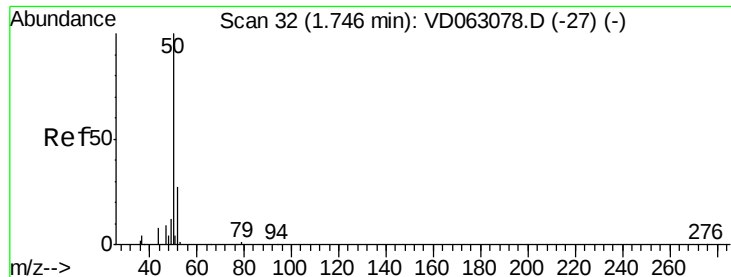
87 27.2 15.9 47.7



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 :

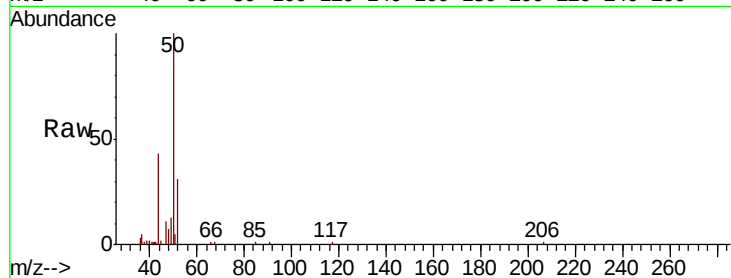
VD0715SBSD01

Tot Ion: 50 Resp: 167868

Ion Ratio Lower Upper

50 100

52 30.9 21.4 32.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

50000

40000

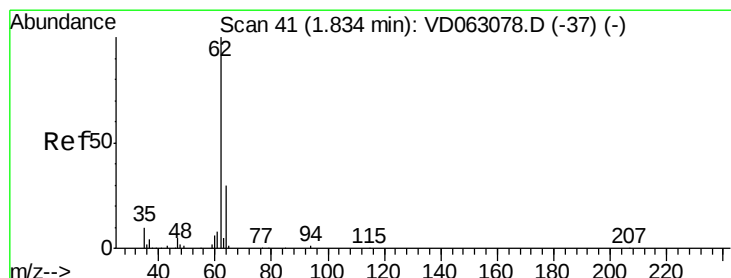
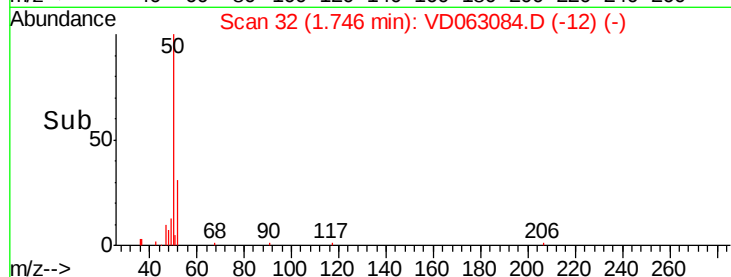
30000

20000

10000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 22.472 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063084.D

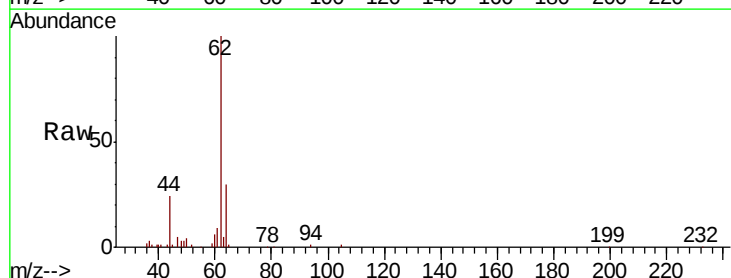
Acq: 15 Jul 2019 16:54

Tgt Ion: 62 Resp: 172151

Ion Ratio Lower Upper

62 100

64 29.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

100000

80000

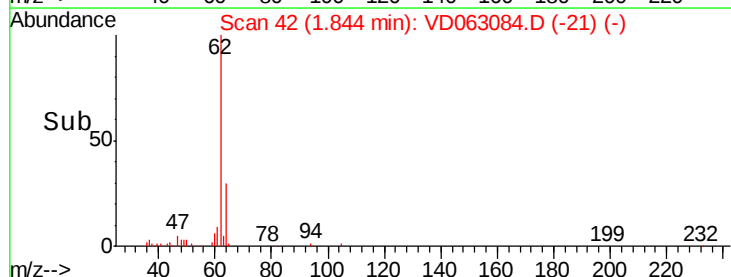
60000

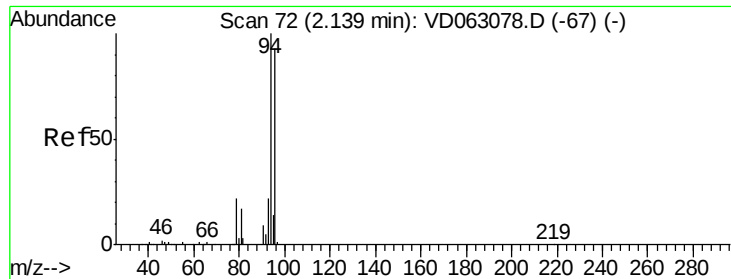
40000

20000

0

Time--> 1.80 1.90 2.00





#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

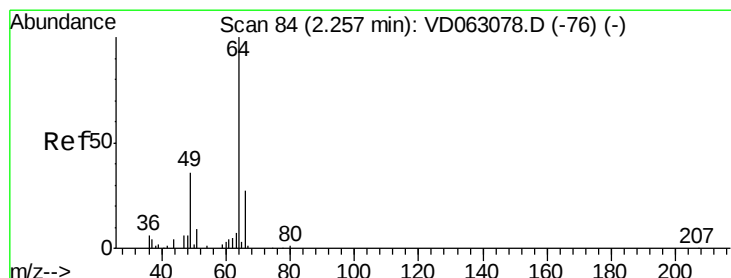
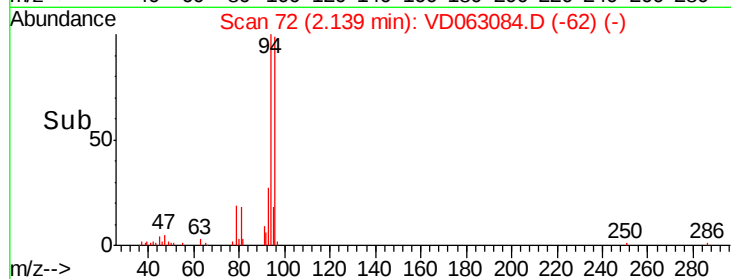
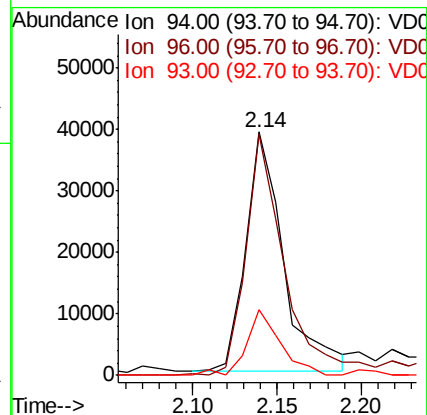
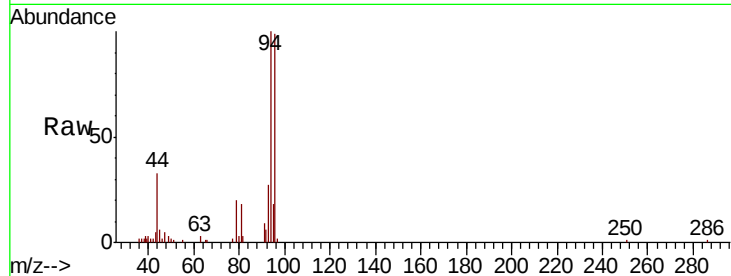
Tot Ion: 94 Resp: 60739

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

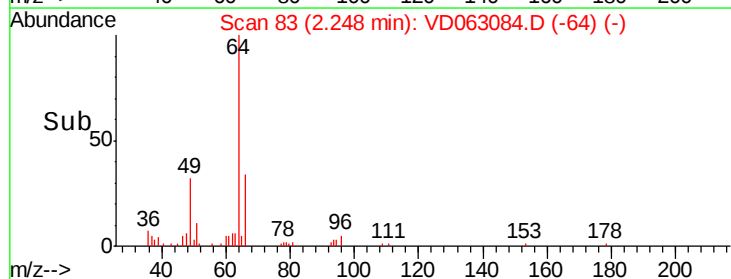
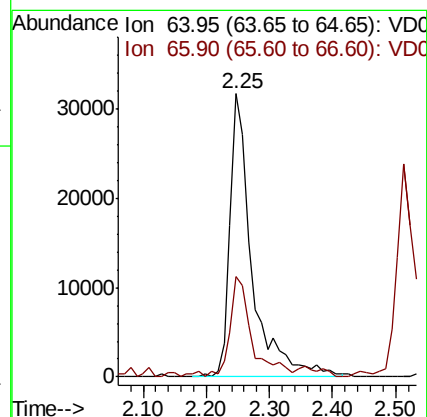
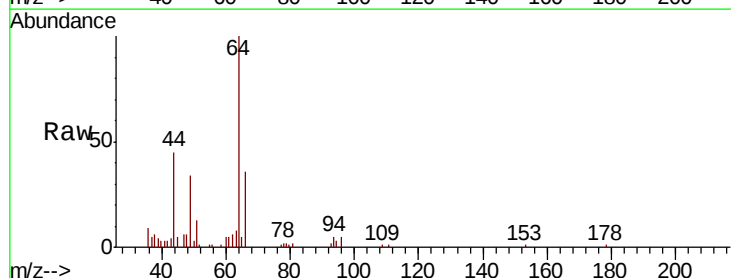
Acq: 15 Jul 2019 16:54

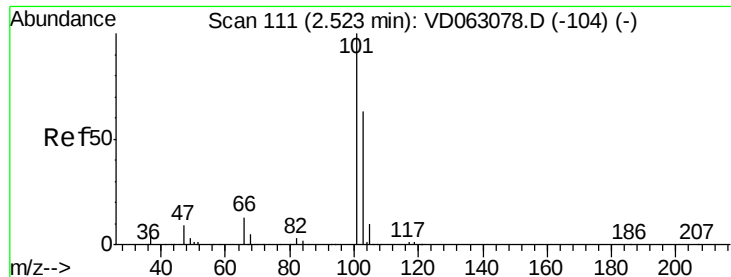
Tgt Ion: 64 Resp: 77129

Ion Ratio Lower Upper

64 100

66 35.6 22.5 33.7#



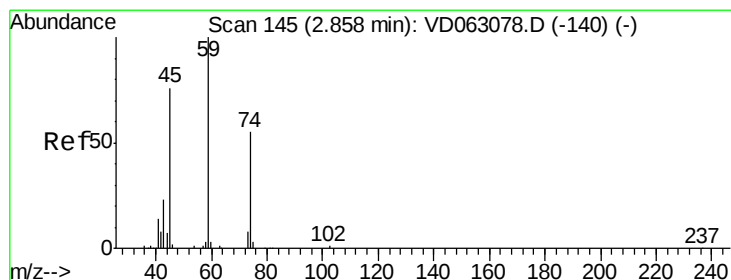
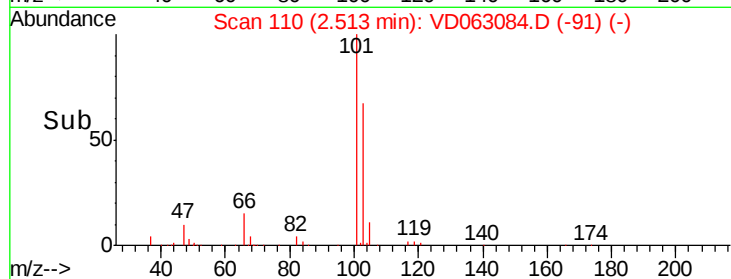
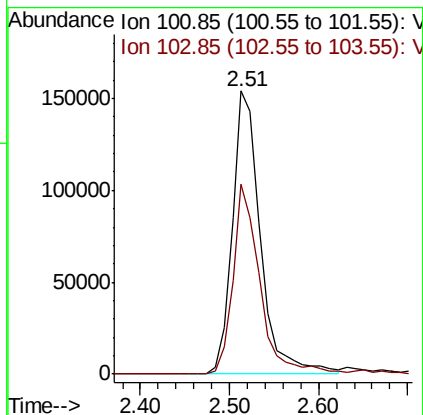
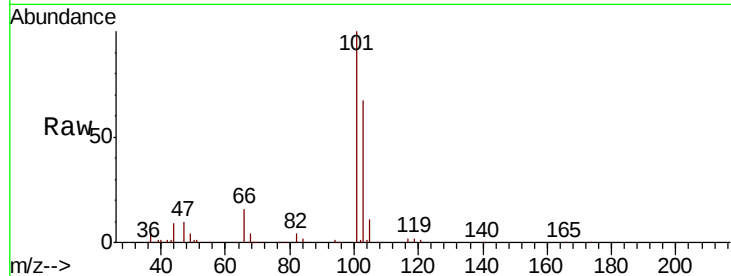


#7

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

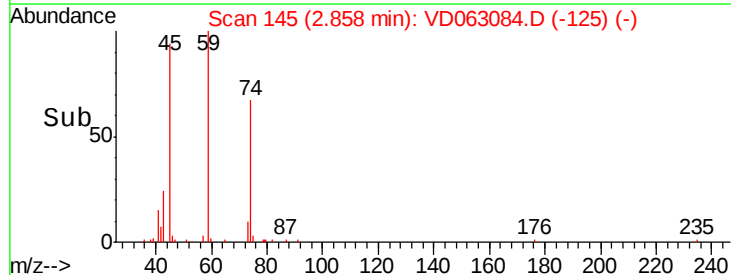
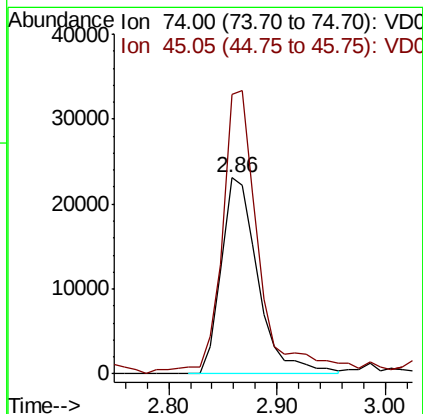
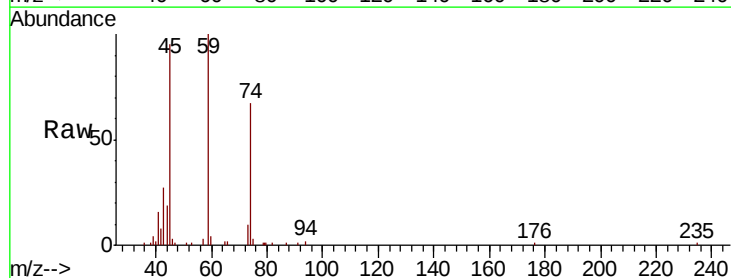
Tot Ion:101 Resp: 341317
 Ion Ratio Lower Upper
 101 100
 103 67.0 50.6 76.0

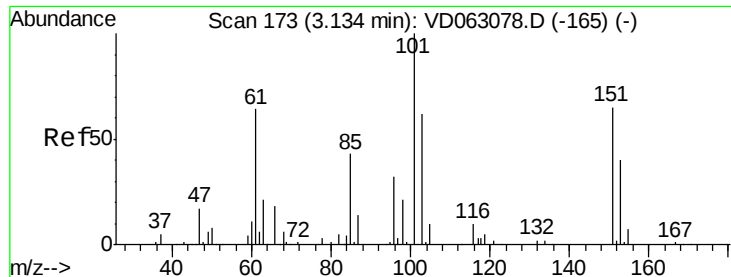


#8

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

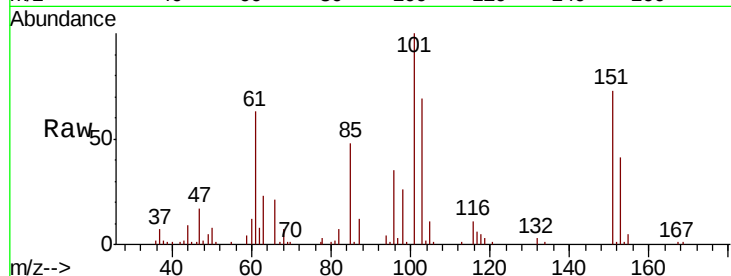
Tot Ion:101 Resp: 187034

Ion Ratio Lower Upper

101 100

85 47.8 34.6 51.8

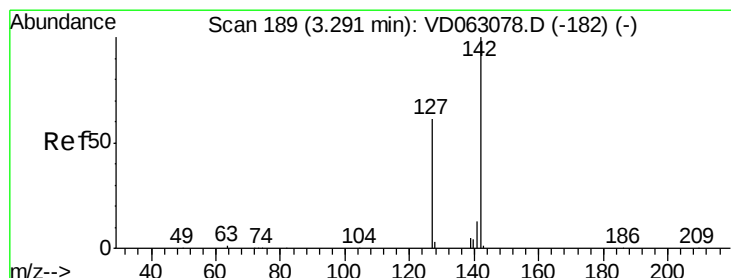
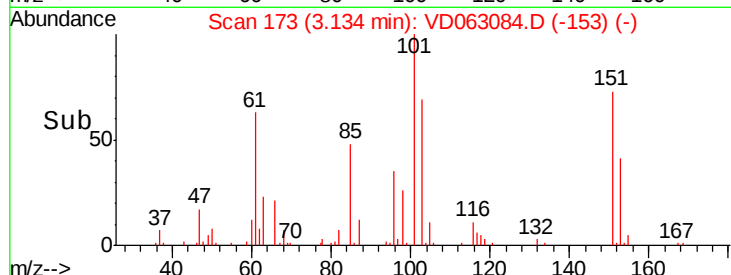
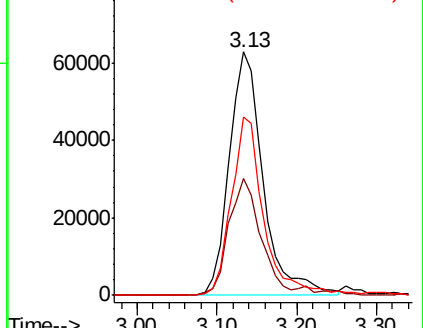
151 73.5 52.4 78.6



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

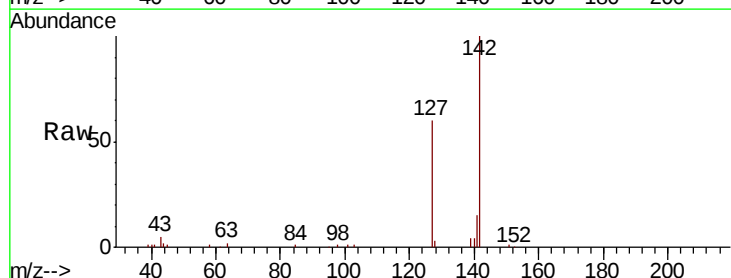
Tgt Ion:142 Resp: 234812

Ion Ratio Lower Upper

142 100

127 60.0 48.6 73.0

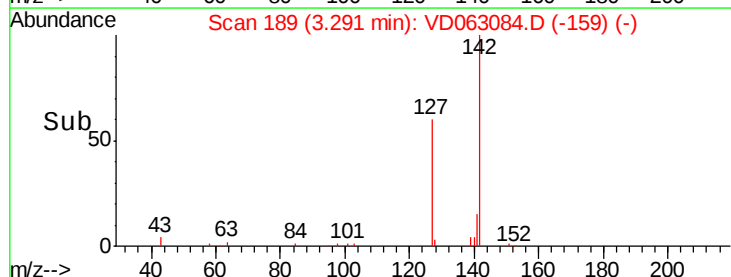
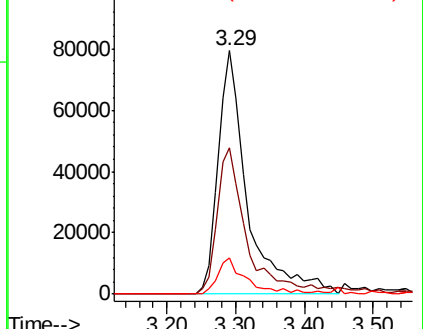
141 14.7 10.6 16.0

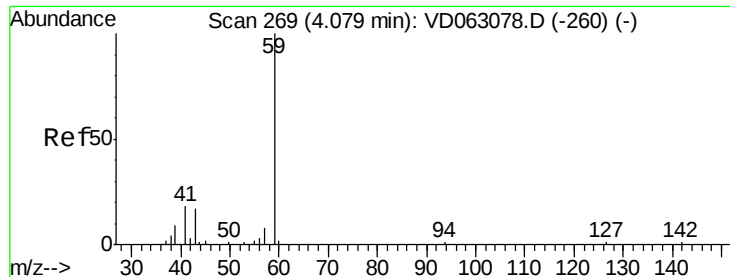


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

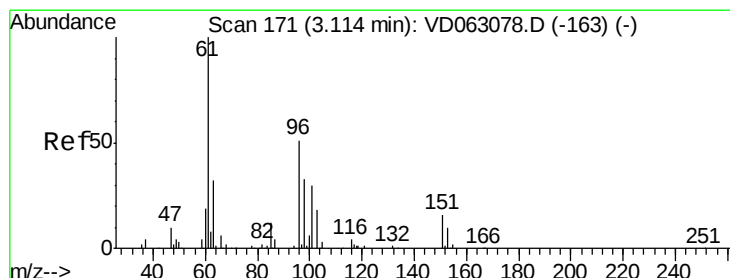
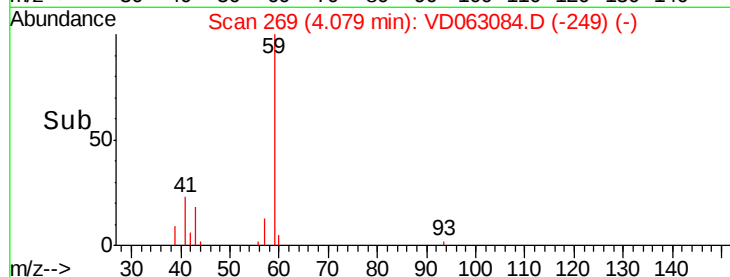
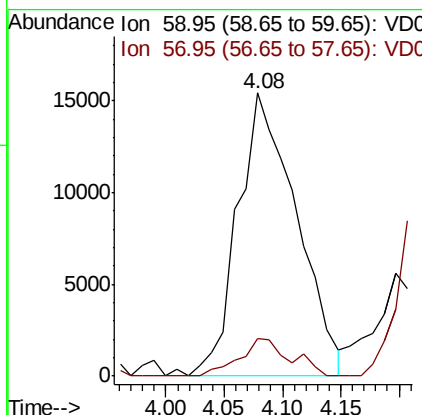
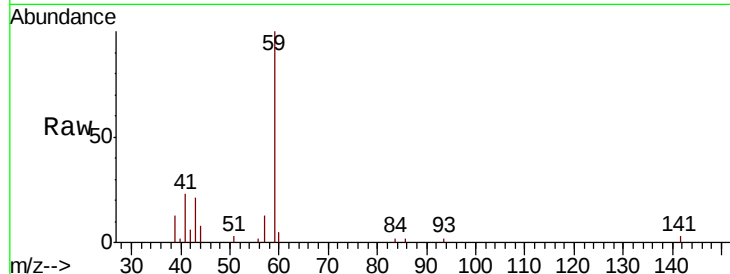




#11
Tert butyl alcohol
Concen: 103.987 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

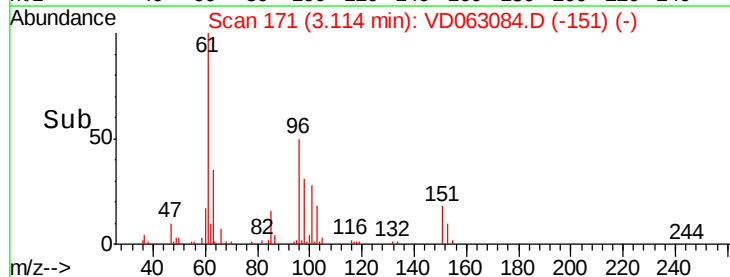
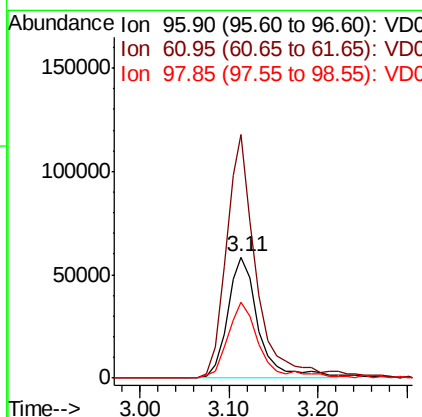
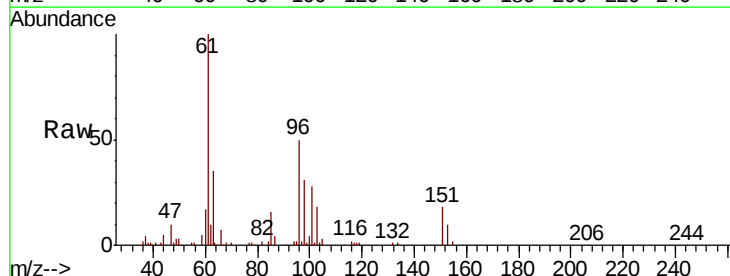
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

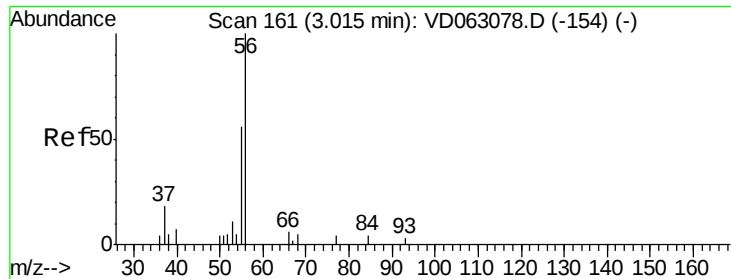
Tot Ion: 59 Resp: 53659
Ion Ratio Lower Upper
59 100
57 13.4 6.4 9.6#



#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 :

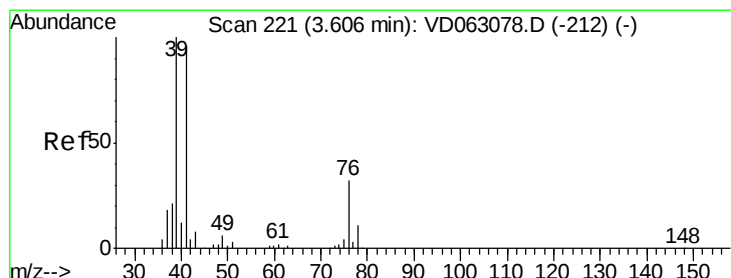
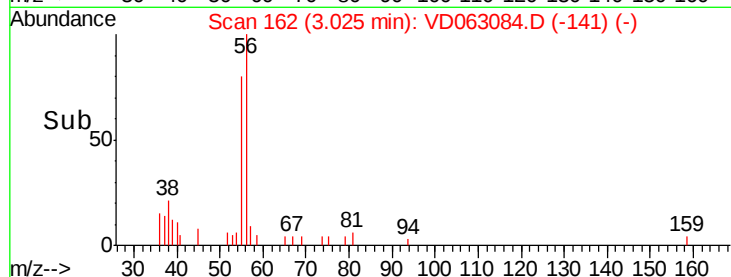
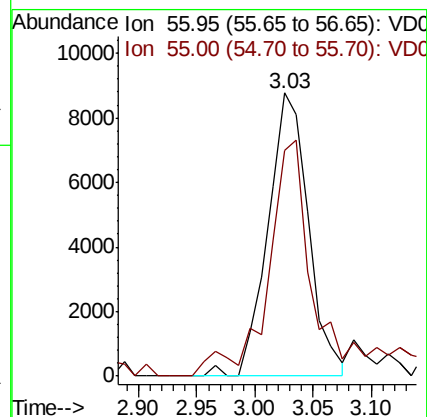
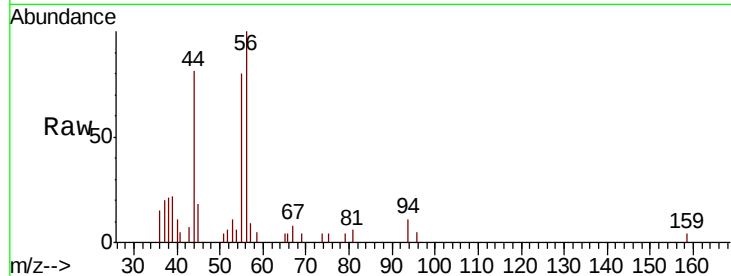
VD0715SBS01

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

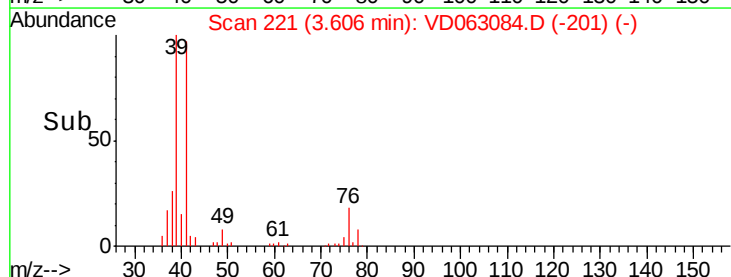
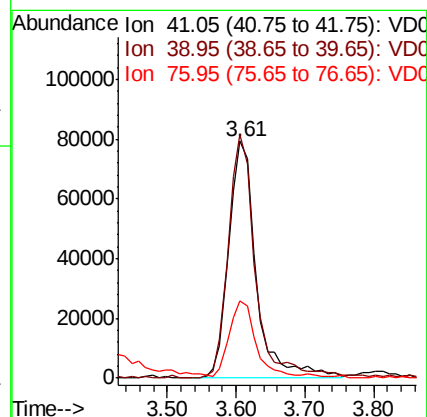
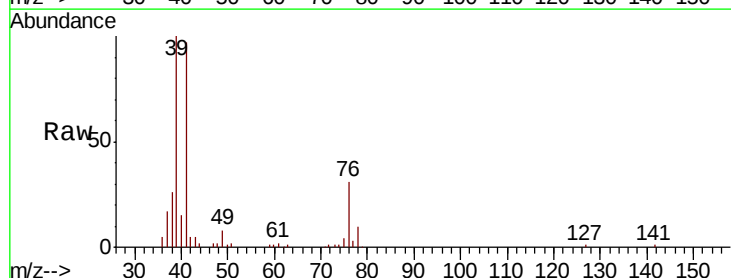
Tgt Ion: 41 Resp: 220552

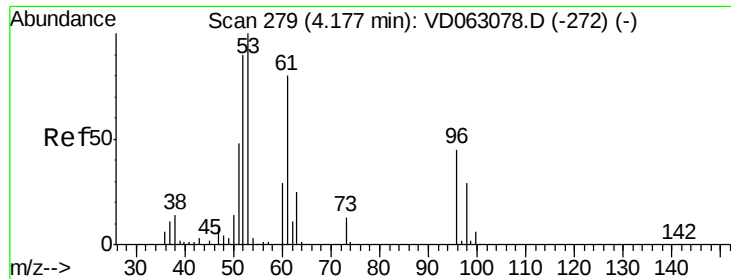
Ion Ratio Lower Upper

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

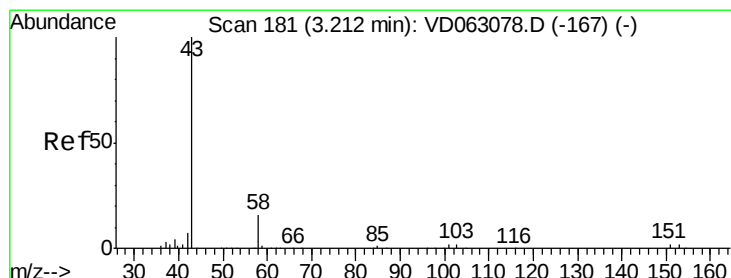
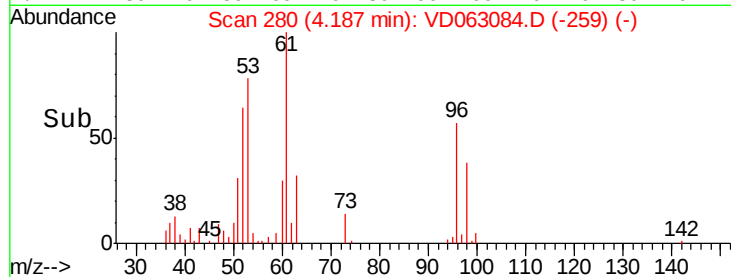
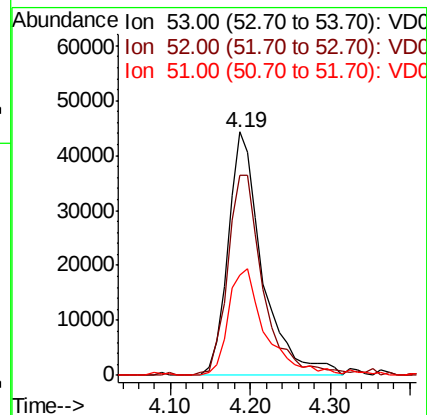
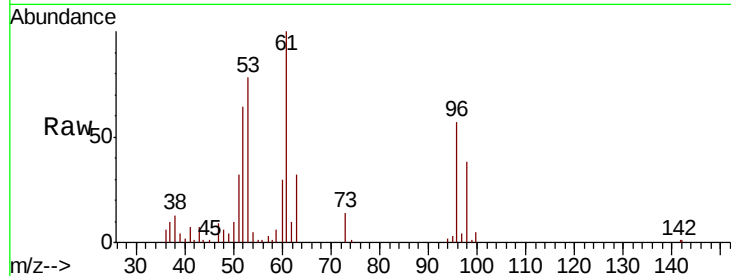
Tot Ion: 53 Resp: 133187

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

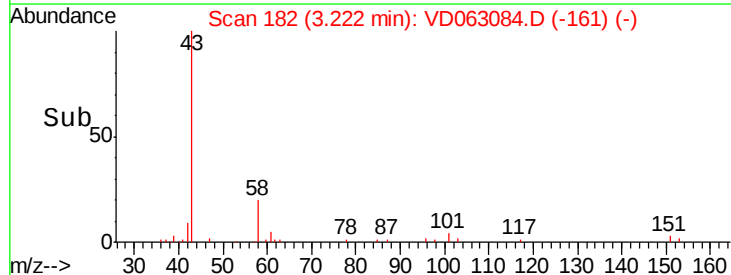
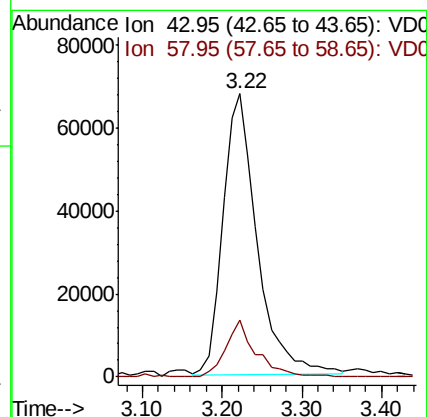
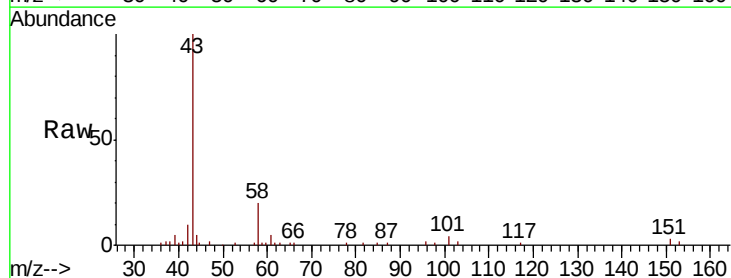
Acq: 15 Jul 2019 16:54

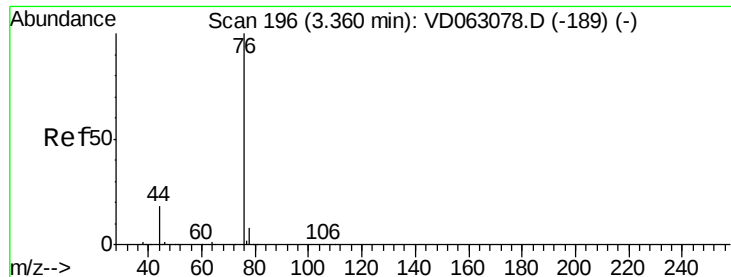
Tgt Ion: 43 Resp: 203265

Ion Ratio Lower Upper

43 100

58 20.0 13.0 19.4#

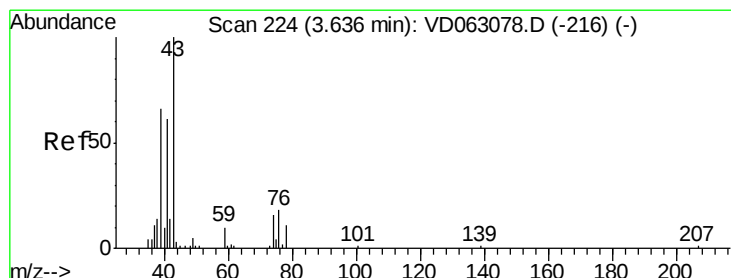
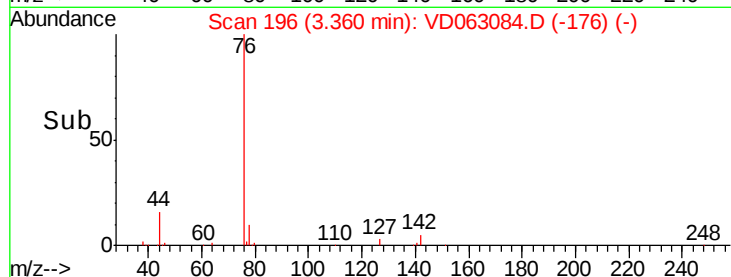
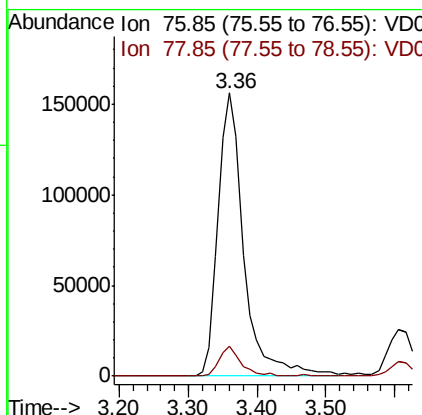
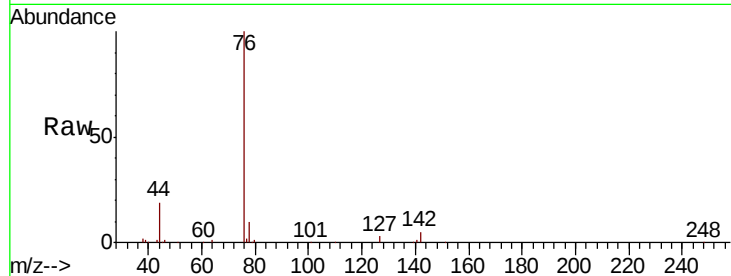




#17
Carbon Disulfide
Concen: 22.305 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

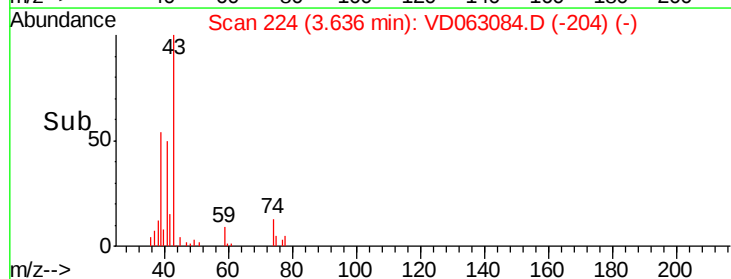
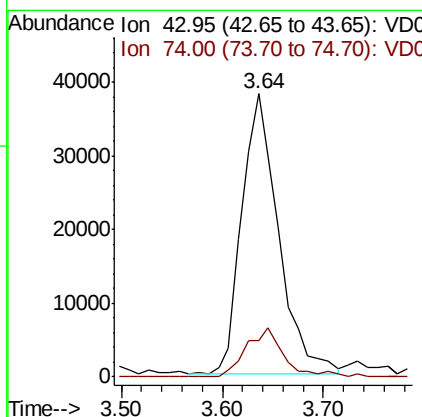
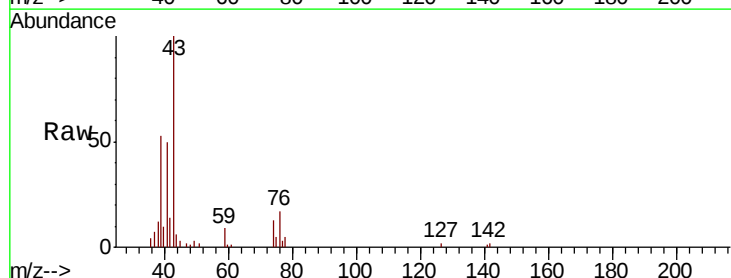
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBSD01

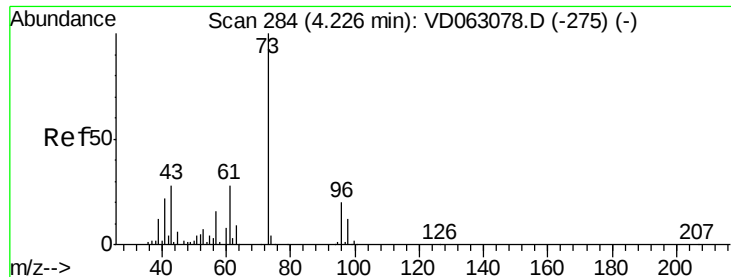
Tot Ion: 76 Resp: 405407
Ion Ratio Lower Upper
76 100
78 10.4 6.7 10.1#



#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

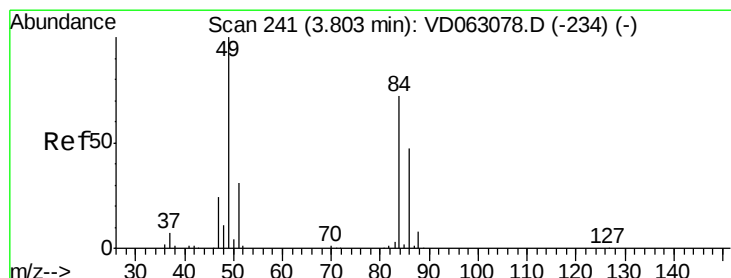
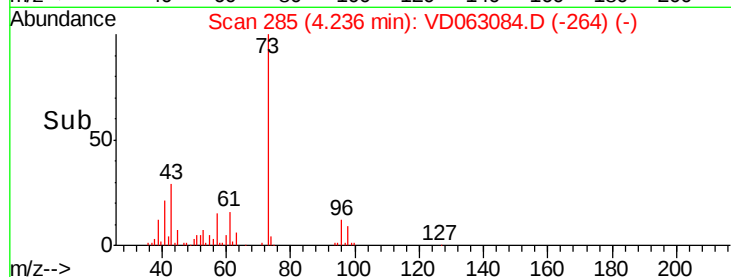
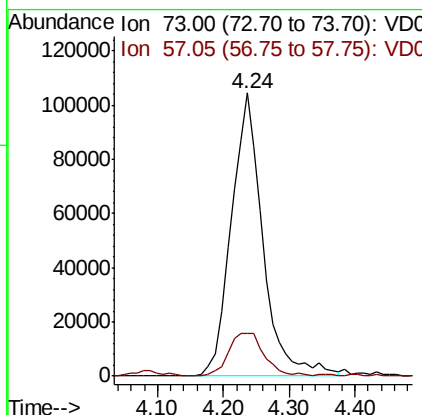
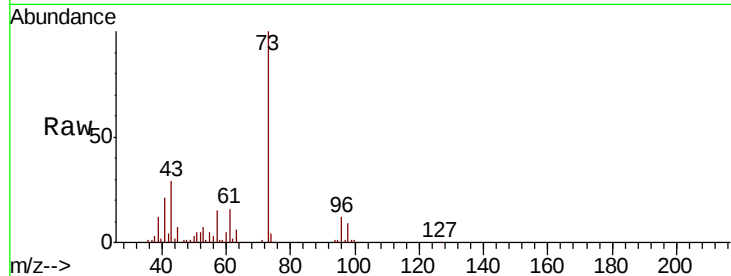




#19
Methyl tert-butyl Ether
Concen: 21.904 ug/l
RT: 4.24 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

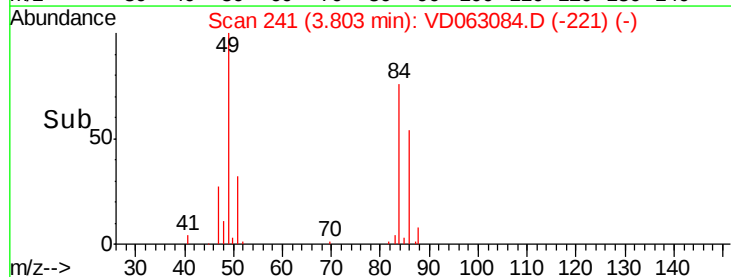
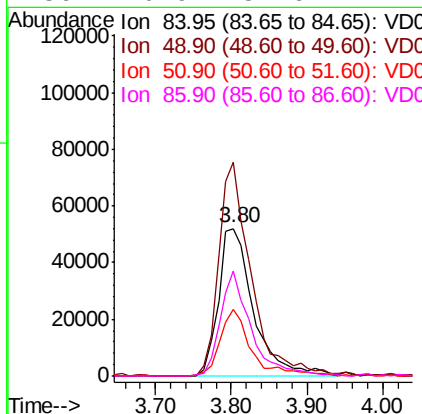
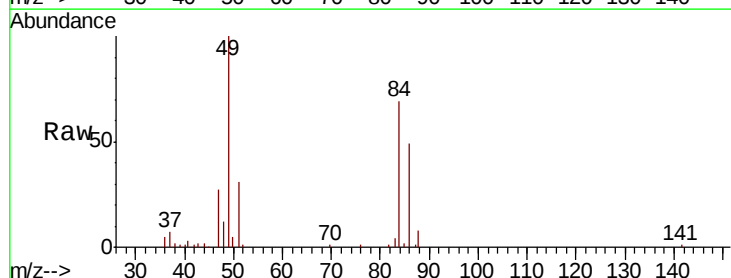
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

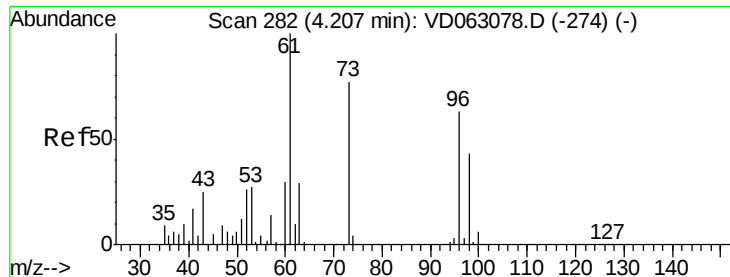
Tot Ion: 73 Resp: 351114
Ion Ratio Lower Upper
73 100
57 14.9 13.1 19.7



#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

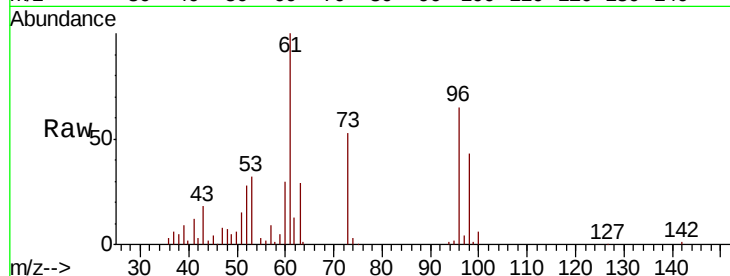
Tot Ion: 96 Resp: 159202

Ion Ratio Lower Upper

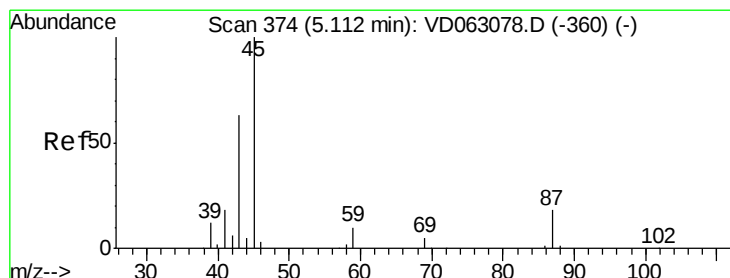
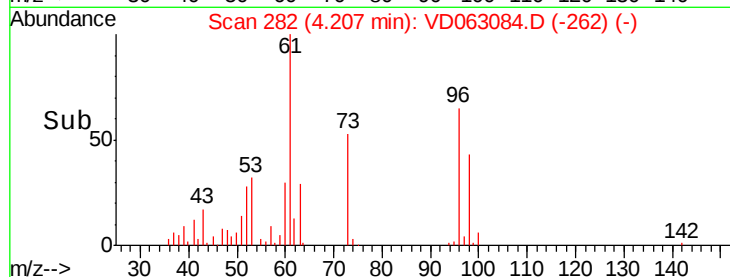
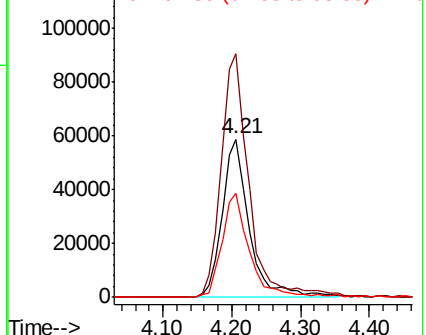
96 100

61 153.7 128.0 192.0

98 65.6 55.2 82.8



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



#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

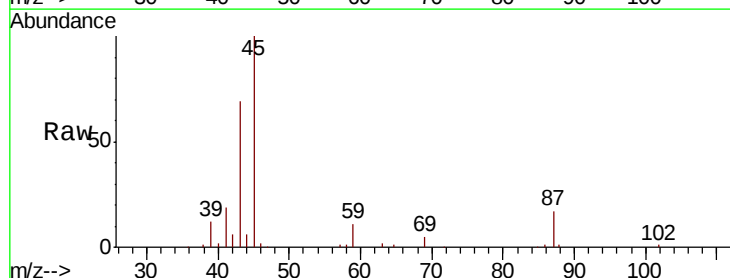
Ion Ratio Lower Upper

45 100

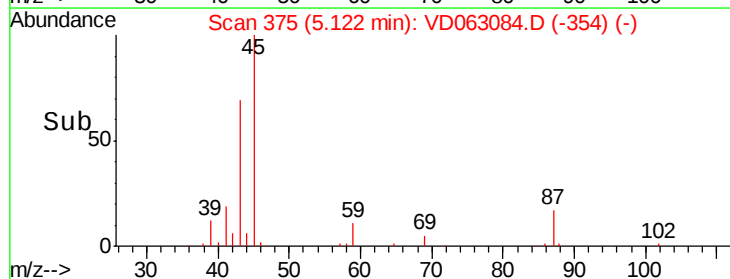
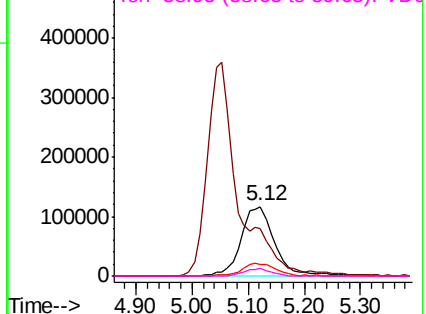
43 68.7 50.5 75.7

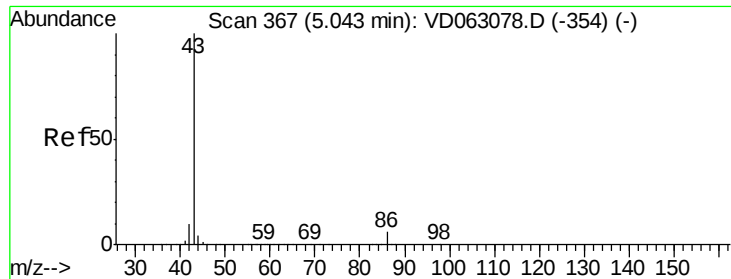
87 17.3 15.1 22.7

59 11.3 7.6 11.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#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 :

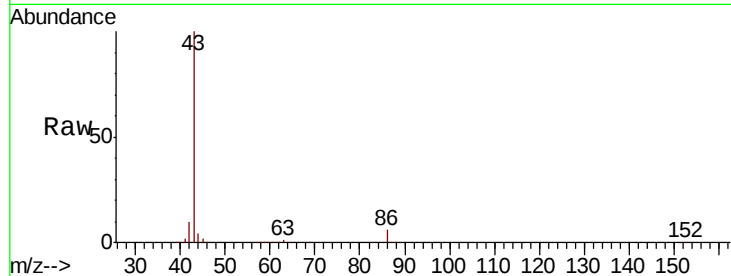
VD0715SBS01

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

5.05

400000

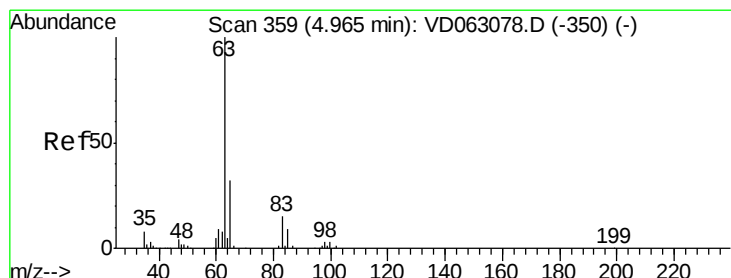
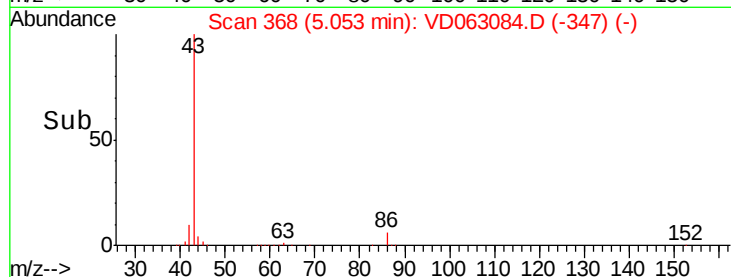
300000

200000

100000

0

Time-->



#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

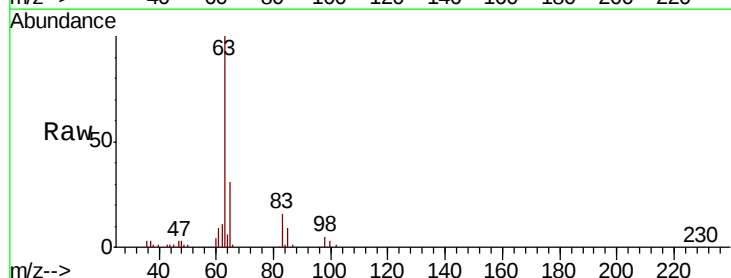
Tgt Ion: 63 Resp: 297695

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

4.97

100000

80000

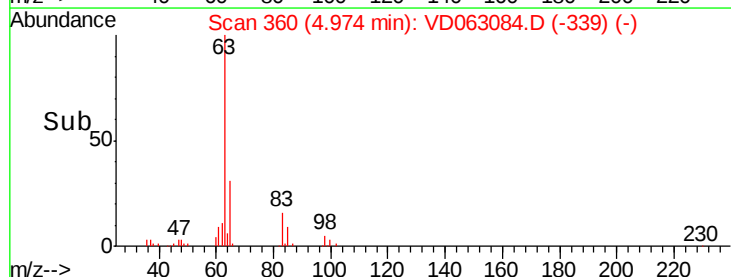
60000

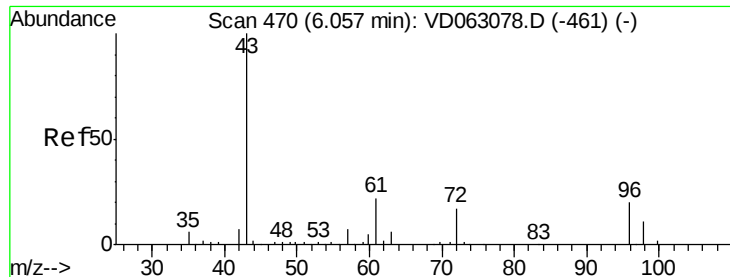
40000

20000

0

Time-->





#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 :

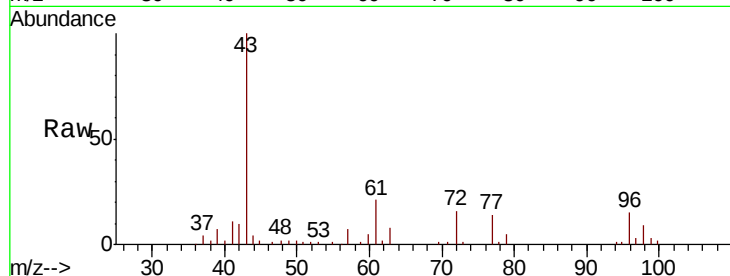
VD0715SBS01

Tot Ion: 43 Resp: 219372

Ion Ratio Lower Upper

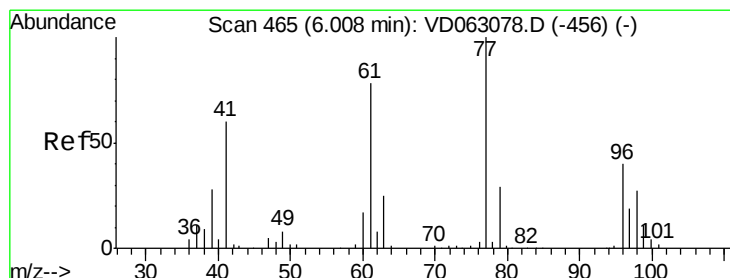
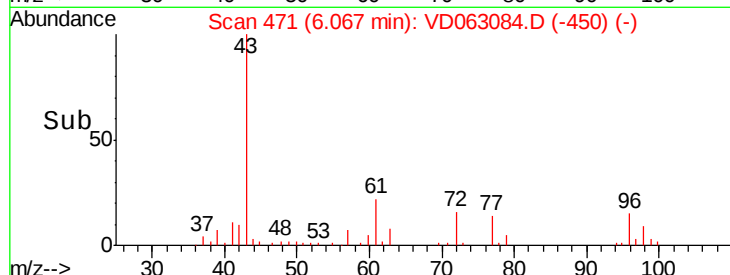
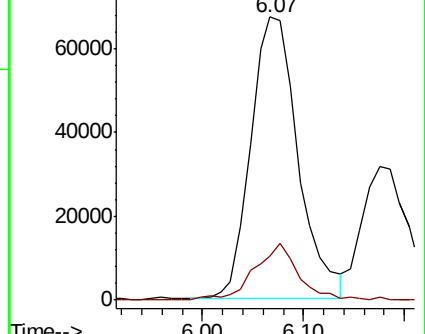
43 100

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

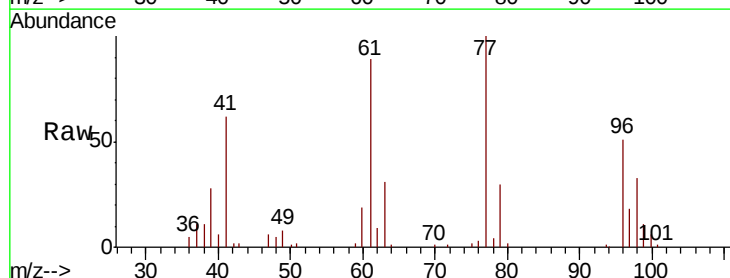
Acq: 15 Jul 2019 16:54

Tgt Ion: 77 Resp: 326710

Ion Ratio Lower Upper

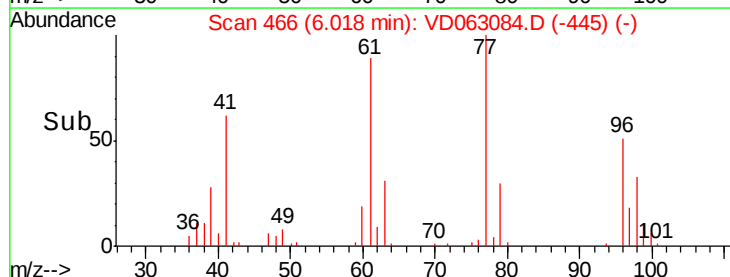
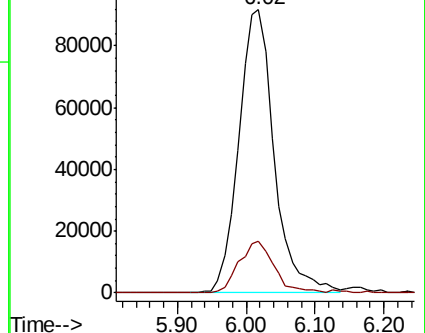
77 100

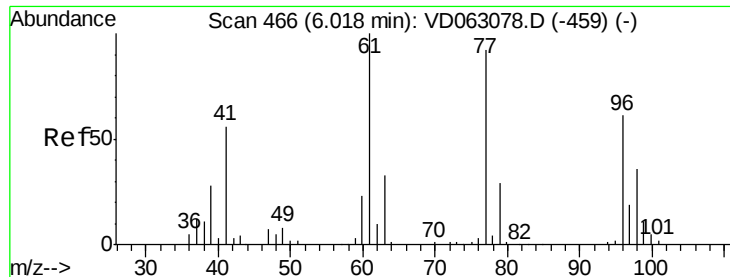
97 18.4 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



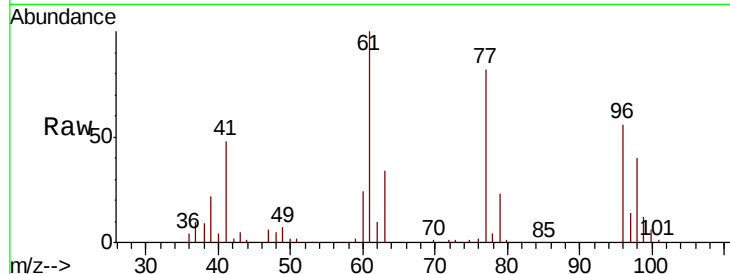


#27

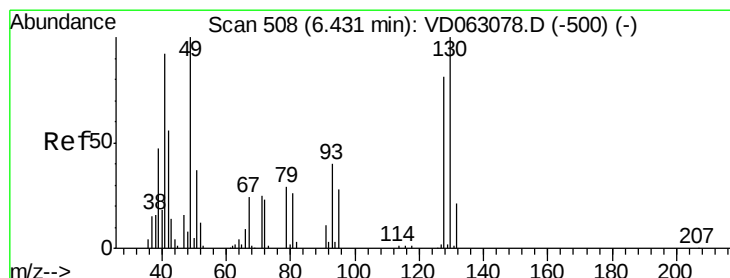
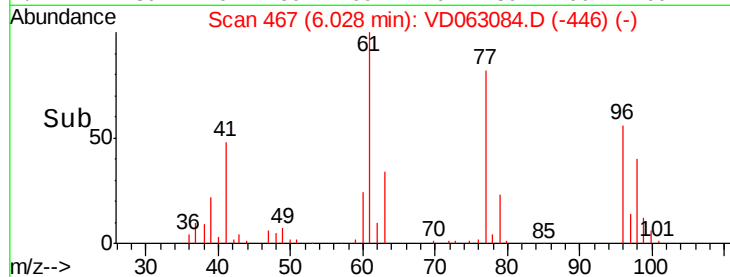
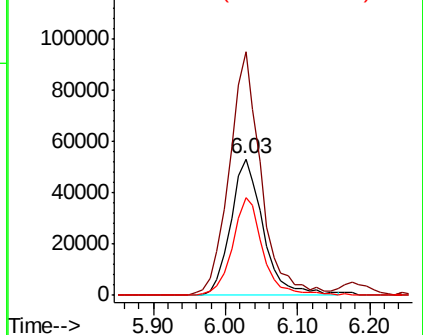
cis-1,2-Dichloroethene
 Concen: 20.830 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

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



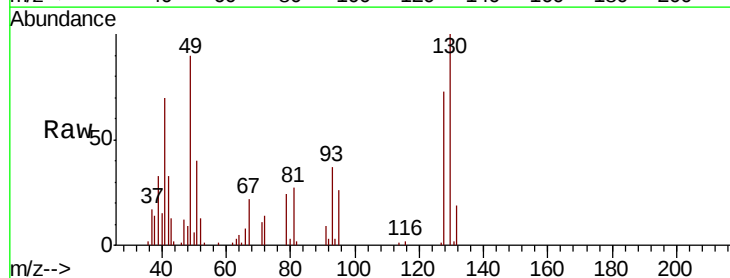
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



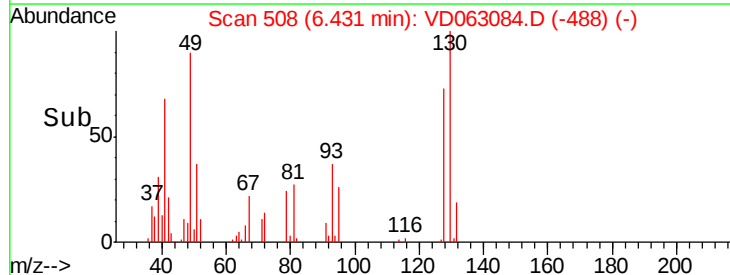
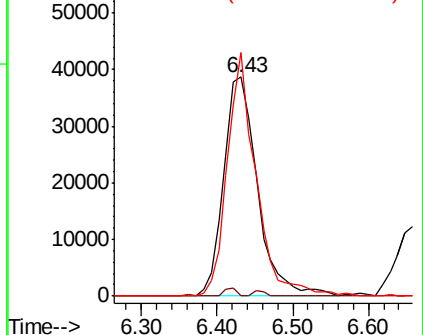
#28

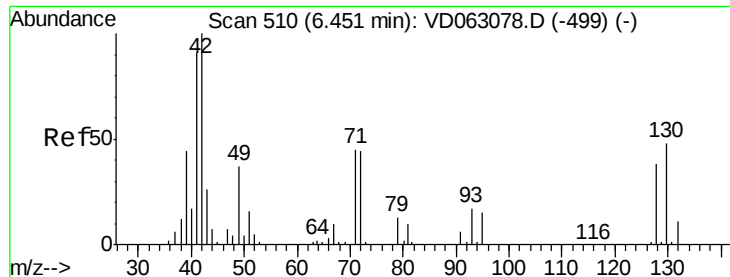
Bromochloromethane
 Concen: 24.592 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

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

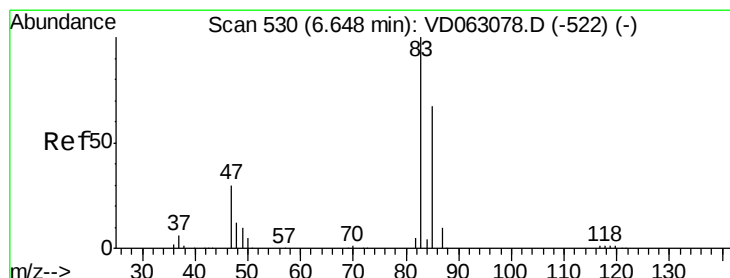
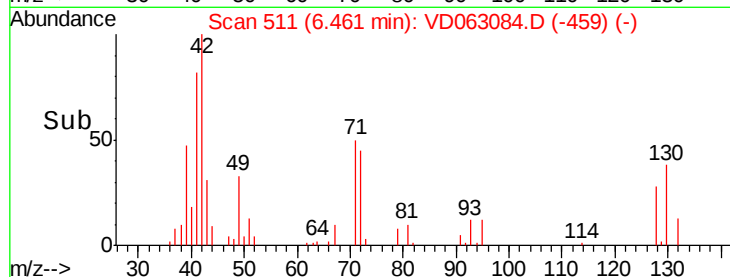
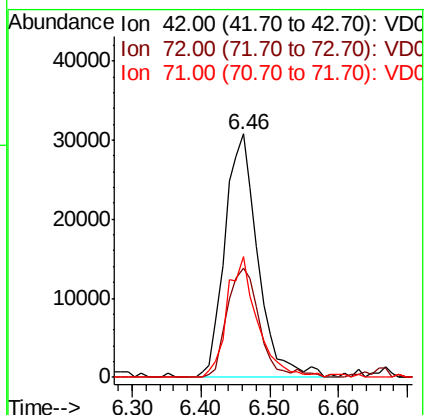
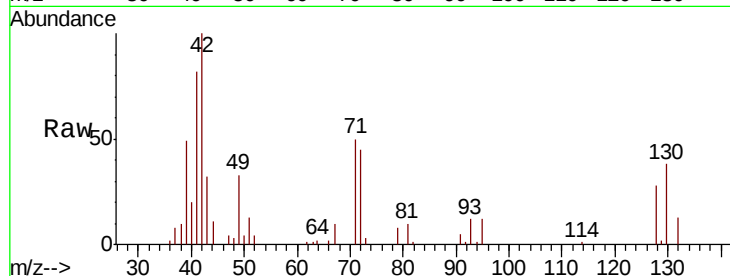
Tot Ion: 42 Resp: 101936

Ion Ratio Lower Upper

42 100

72 42.9 33.7 50.5

71 45.7 34.2 51.2



#30

Chloroform

Concen: 22.706 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD063084.D

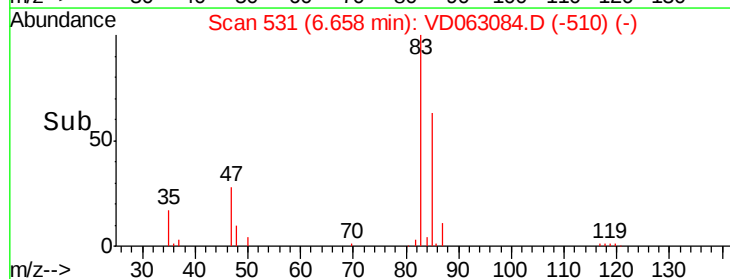
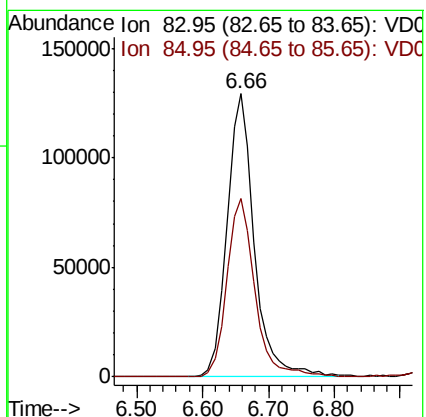
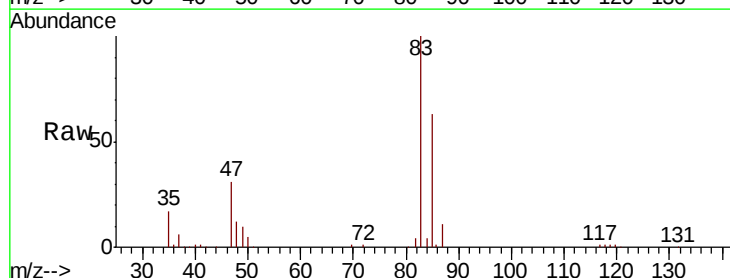
Acq: 15 Jul 2019 16:54

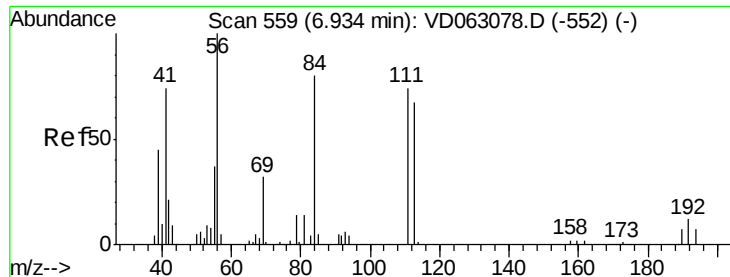
Tgt Ion: 83 Resp: 373766

Ion Ratio Lower Upper

83 100

85 62.9 53.8 80.8

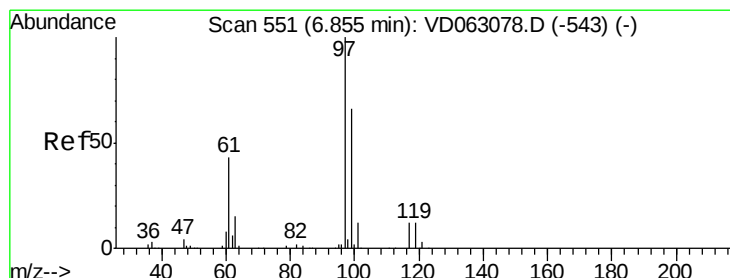
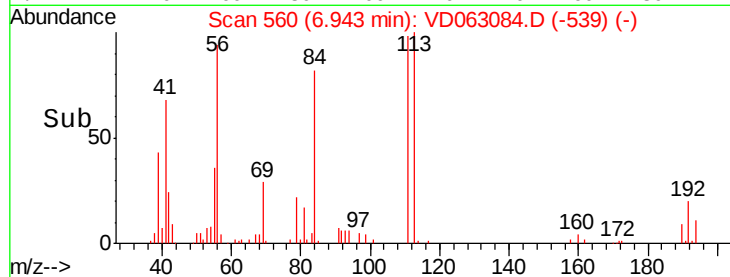
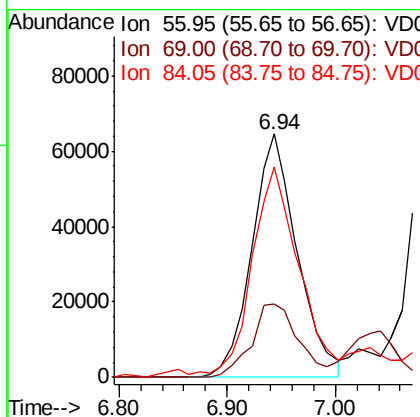
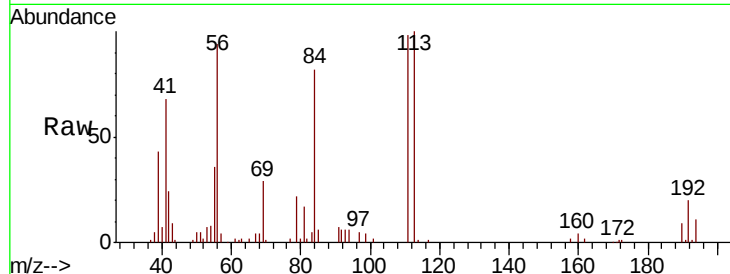




#31
Cyclohexane
Concen: 22.145 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

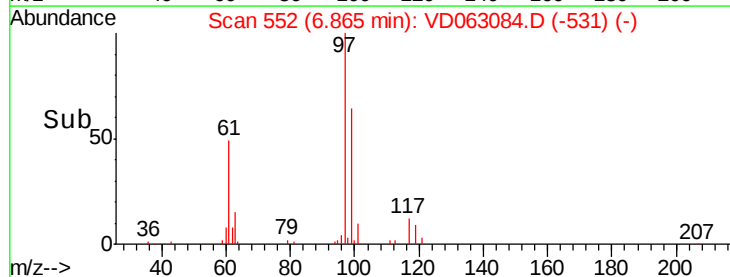
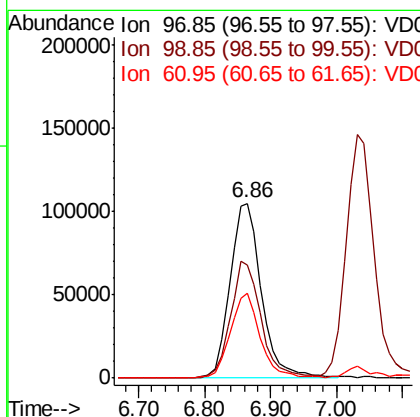
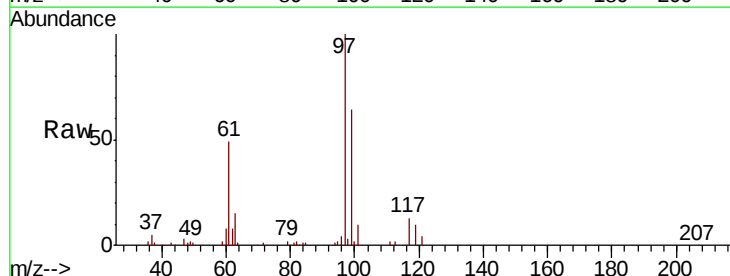
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

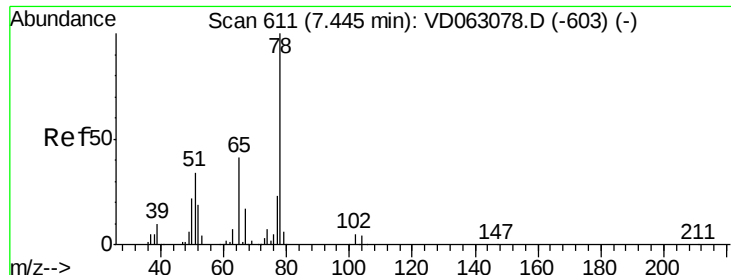
Tot Ion: 56 Resp: 188499
Ion Ratio Lower Upper
56 100
69 30.3 25.3 37.9
84 86.6 64.2 96.4



#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

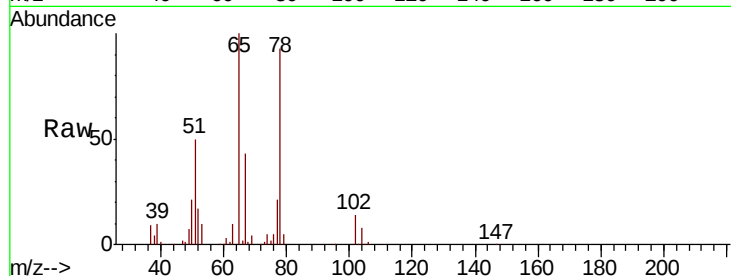




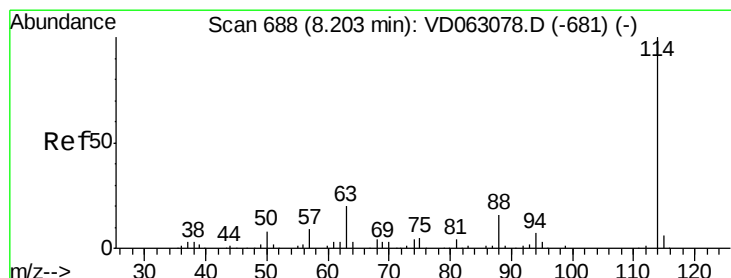
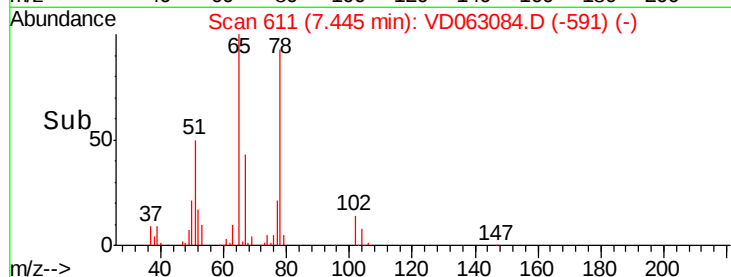
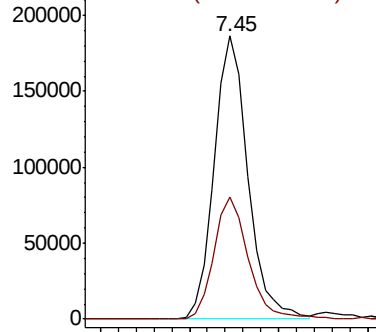
#33
 1,2-Dichloroethane-d4
 Concen: 54.511 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Tot Ion: 65 Resp: 487406
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 86.0

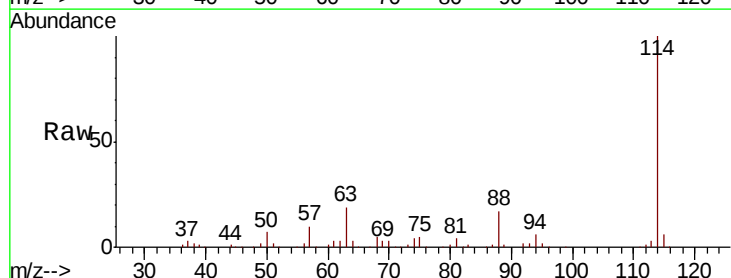


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

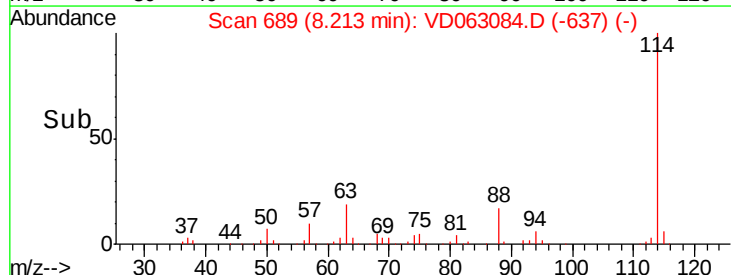
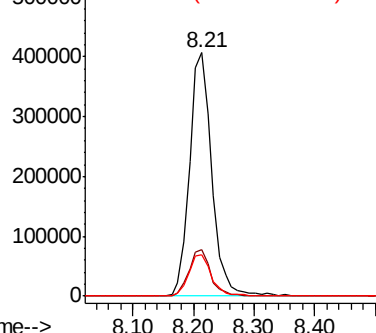


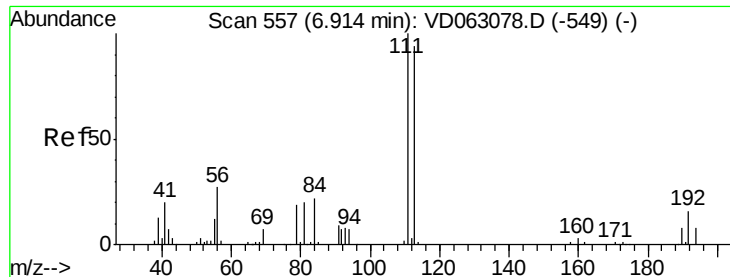
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

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



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#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

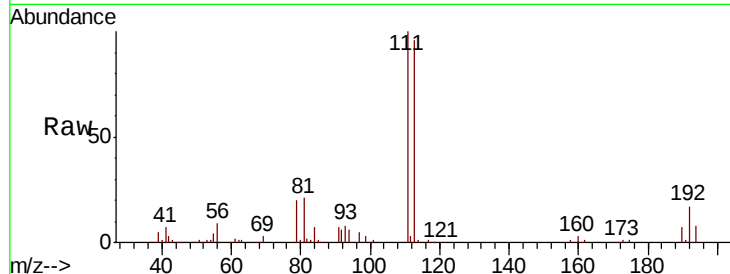
Tot Ion:113 Resp: 542372

Ion Ratio Lower Upper

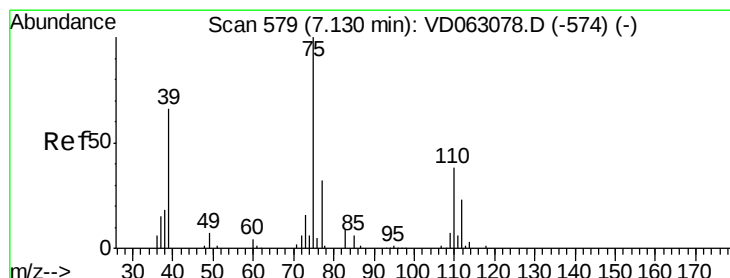
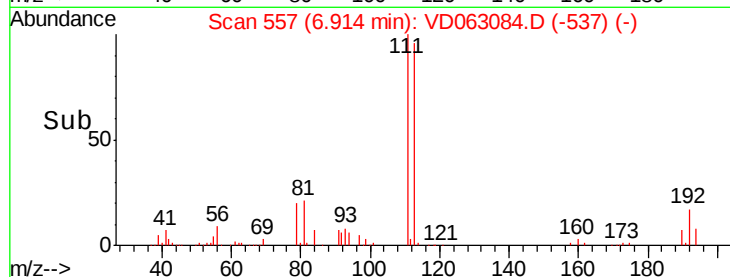
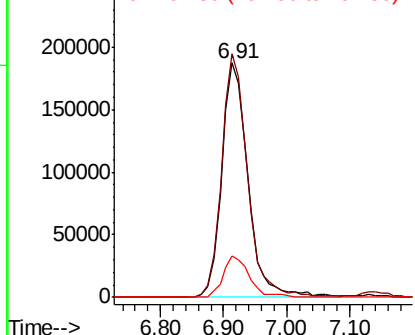
113 100

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

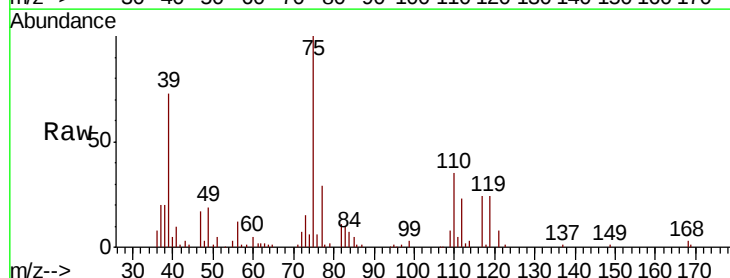
Tgt Ion: 75 Resp: 243057

Ion Ratio Lower Upper

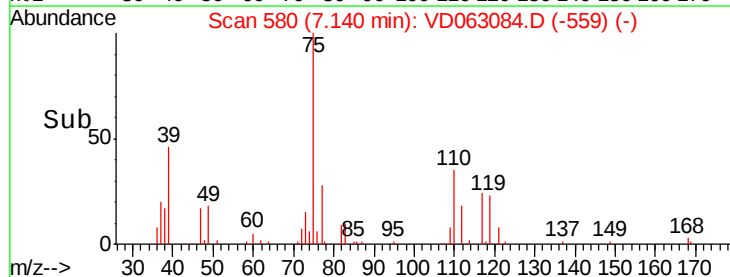
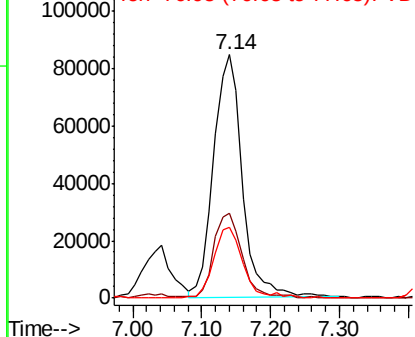
75 100

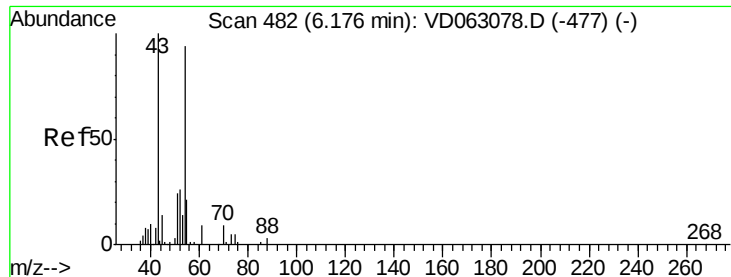
110 34.8 18.9 56.5

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

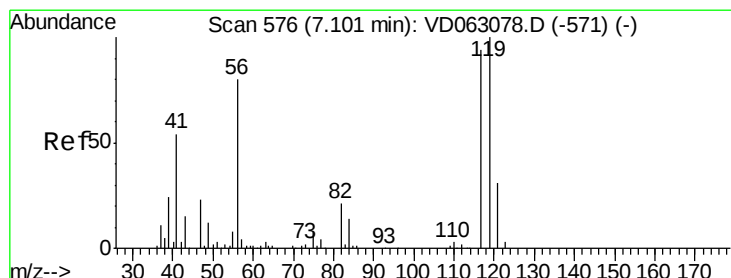
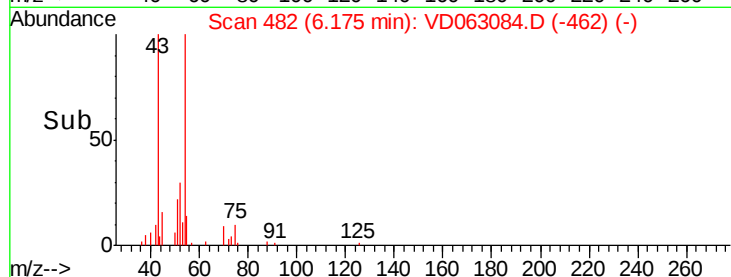
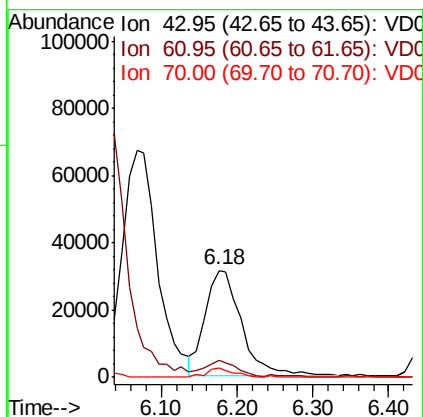
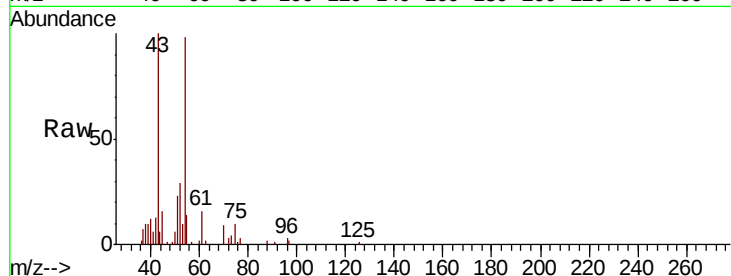




#37
Ethyl Acetate
Concen: 20.997 ug/l
RT: 6.18 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

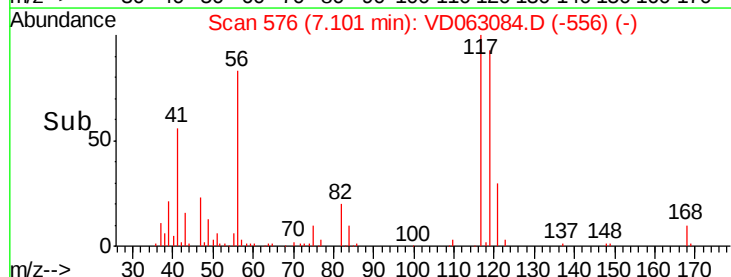
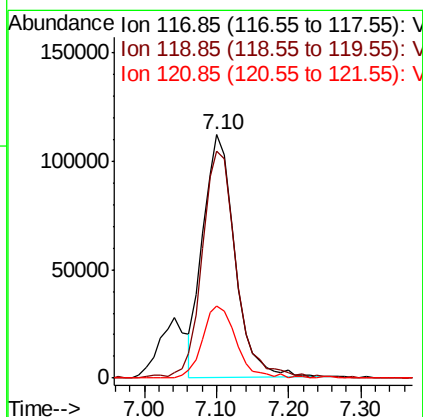
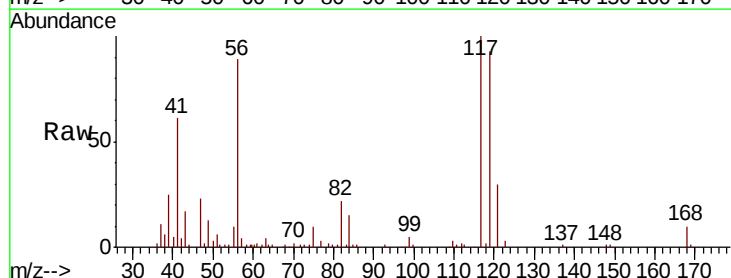
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

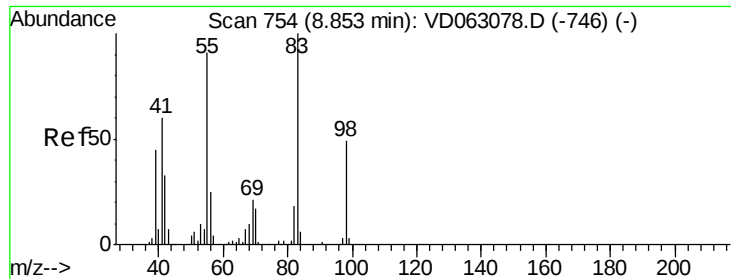
Tot Ion: 43 Resp: 105064
Ion Ratio Lower Upper
43 100
61 15.8 10.6 16.0
70 8.9 6.6 9.8



#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

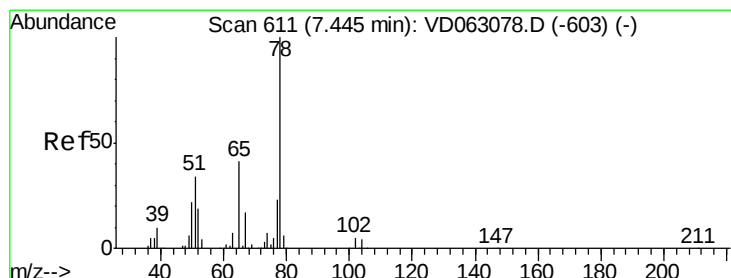
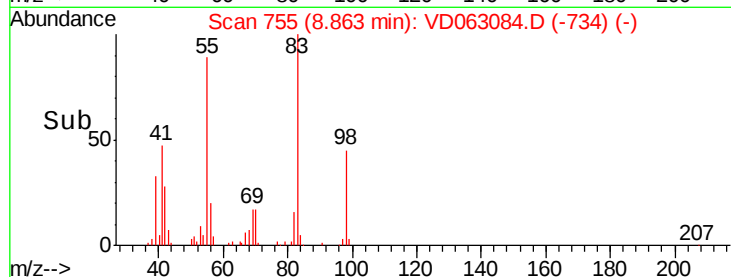
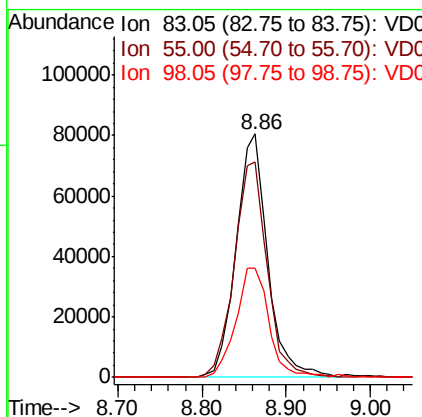
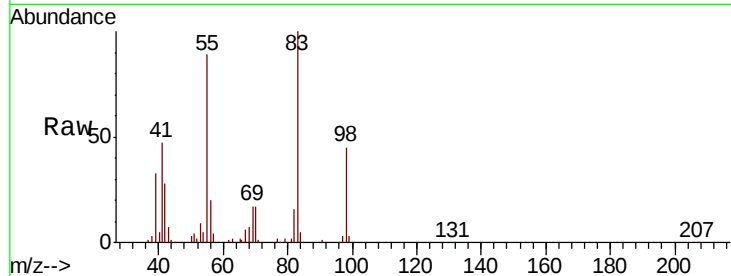




#39
Methylvlcvclohexane
Concen: 20.814 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

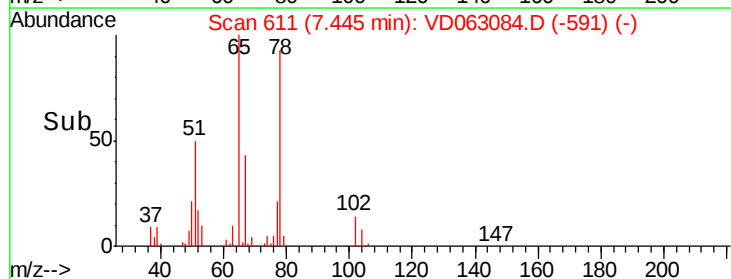
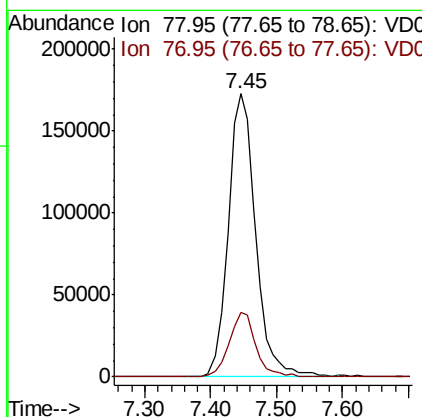
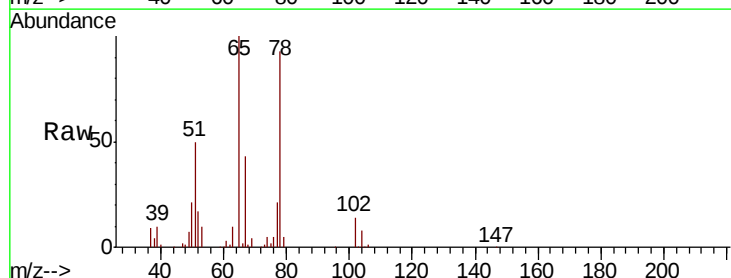
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

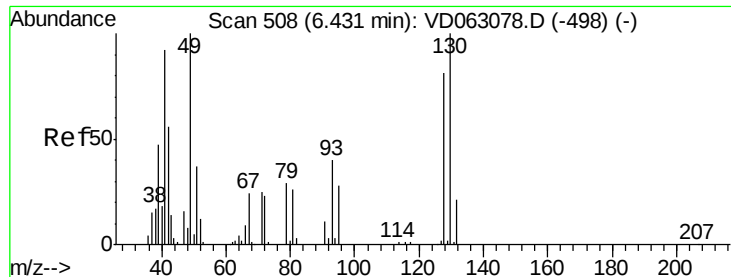
Tot Ion: 83 Resp: 210388
Ion Ratio Lower Upper
83 100
55 88.7 73.0 109.4
98 45.0 39.4 59.0



#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

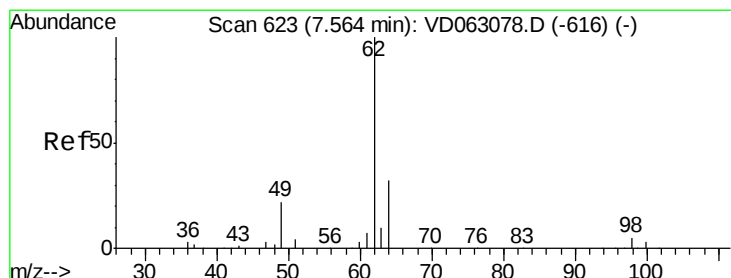
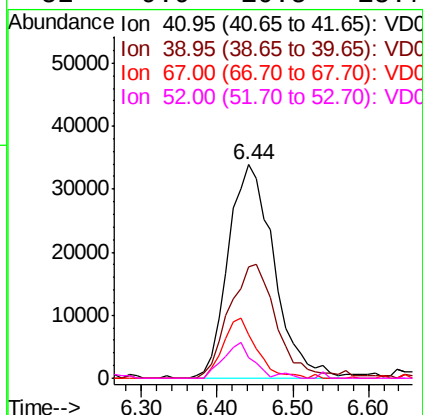
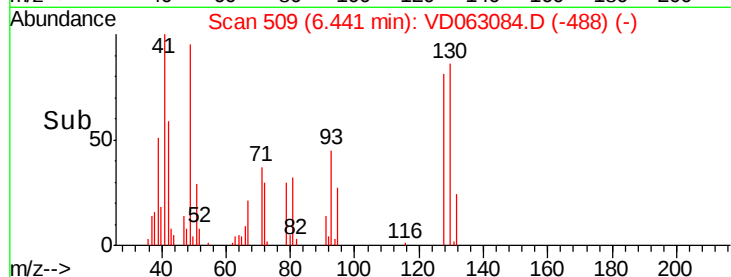
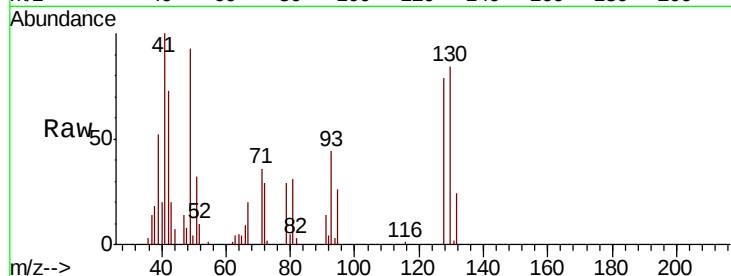




#41
Methacrylonitrile
Concen: 20.974 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

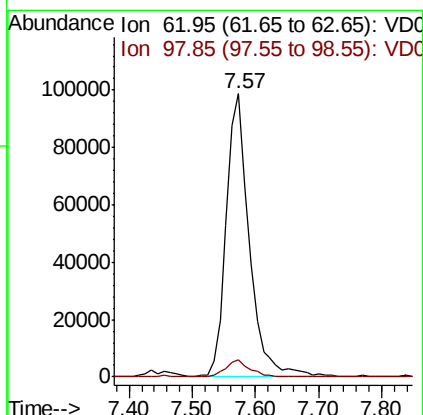
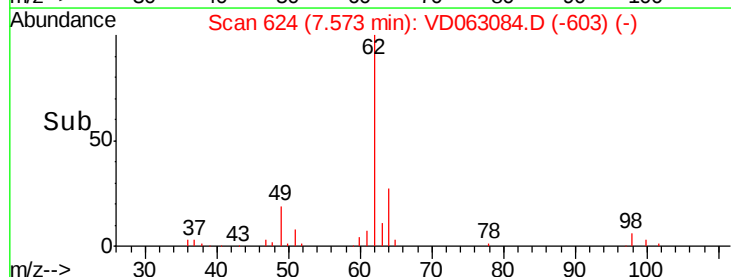
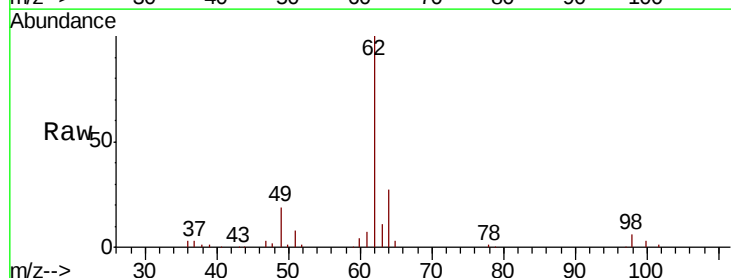
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

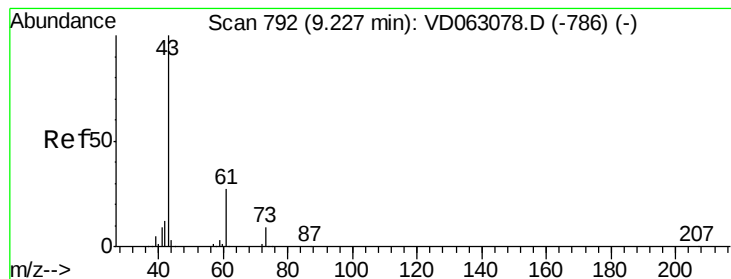
Tot Ion: 41 Resp: 142285
Ion Ratio Lower Upper
41 100
39 51.9 41.0 61.6
67 20.5 21.3 31.9#
52 9.9 10.5 15.7#



#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

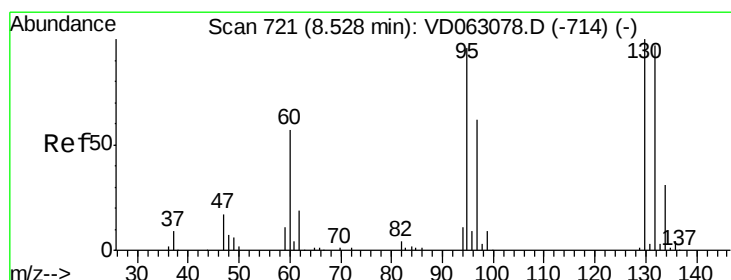
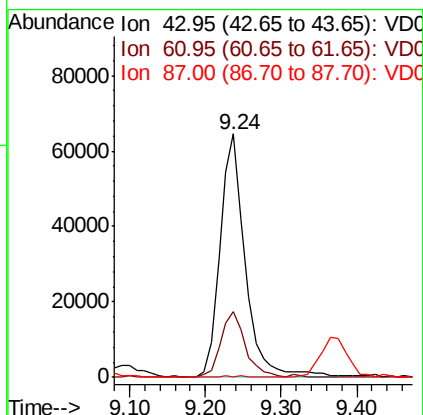
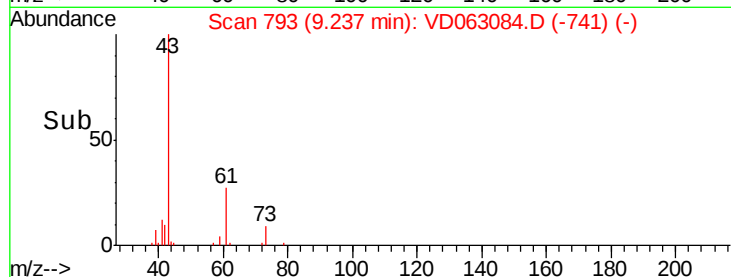
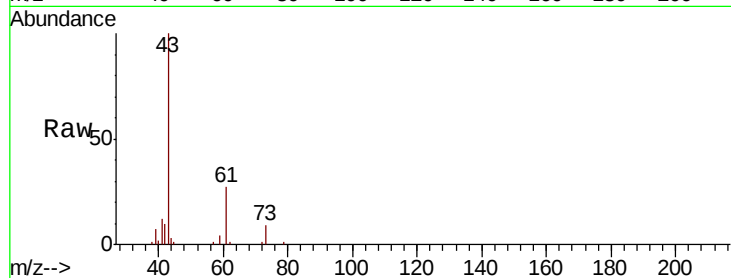
Tot Ion: 43 Resp: 149035

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

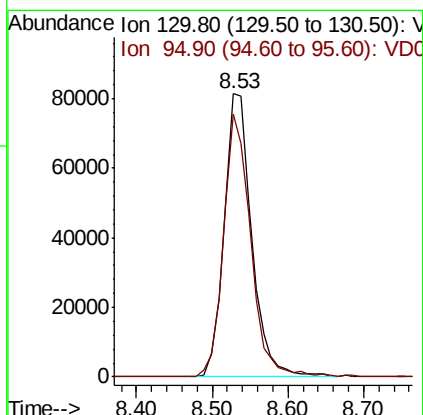
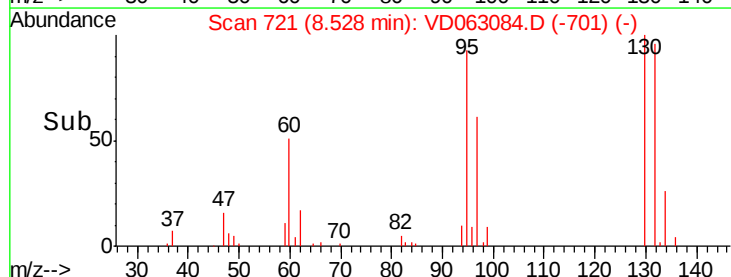
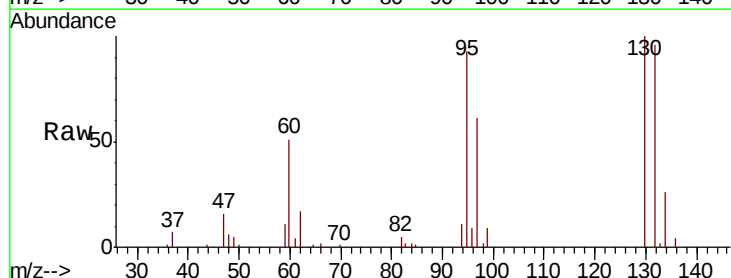
Acq: 15 Jul 2019 16:54

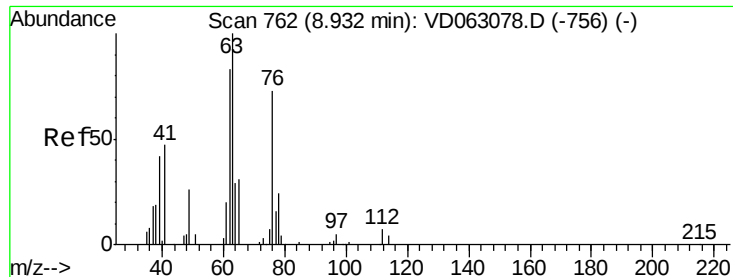
Tgt Ion: 130 Resp: 204342

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 :

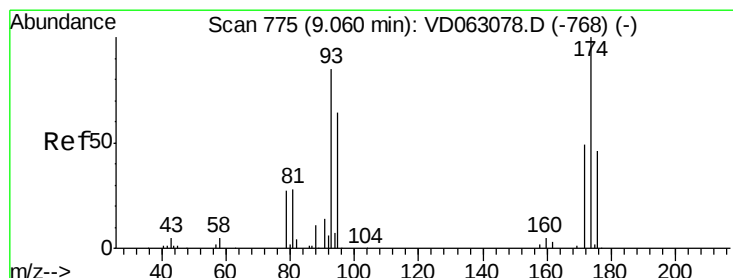
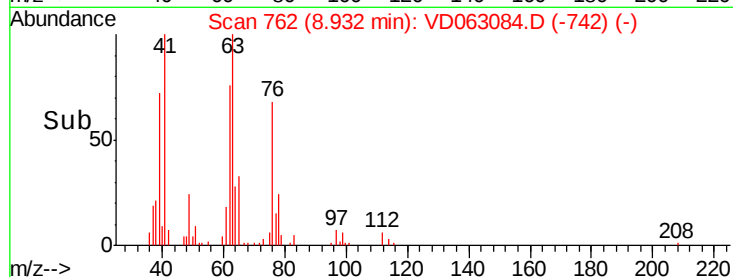
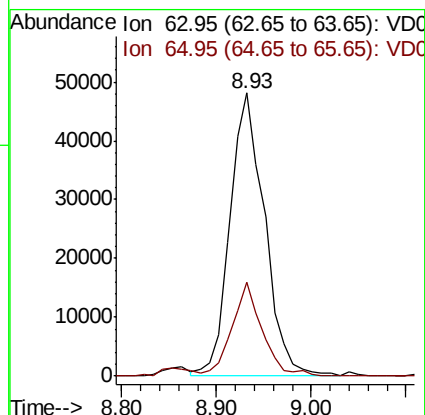
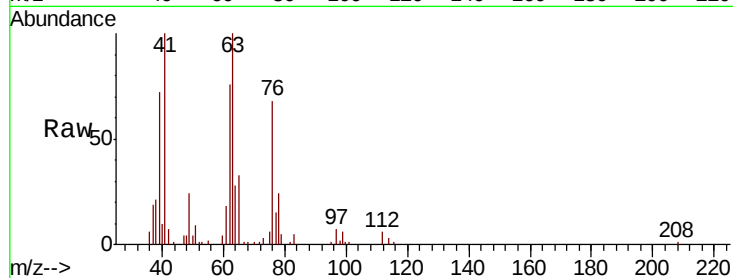
VD0715SBS01

Tot Ion: 63 Resp: 122289

Ion Ratio Lower Upper

63 100

65 33.2 26.3 39.5



#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

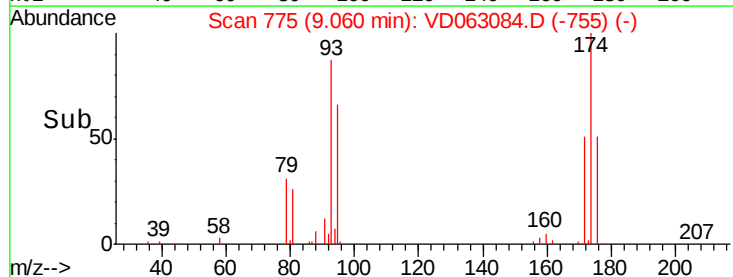
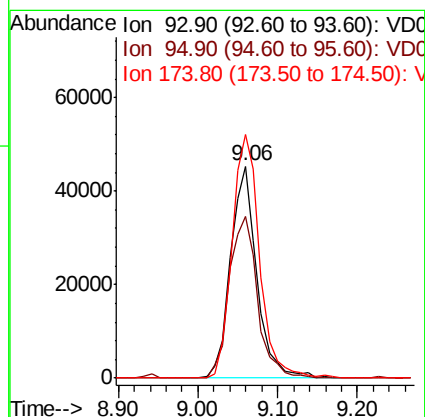
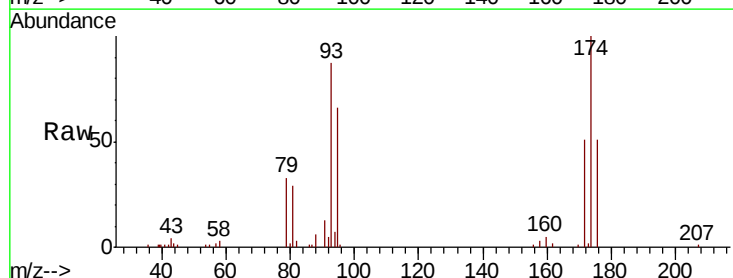
Tgt Ion: 93 Resp: 104858

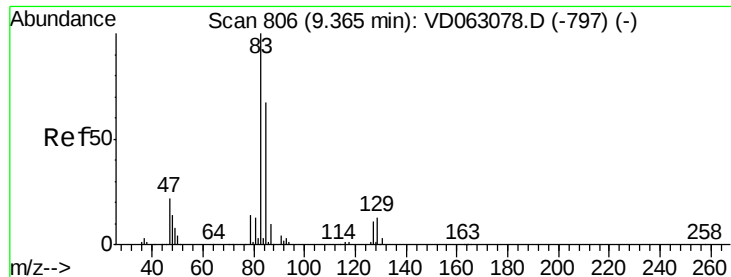
Ion Ratio Lower Upper

93 100

95 76.3 59.7 89.5

174 114.7 93.9 140.9





#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 :

VD0715SBS01

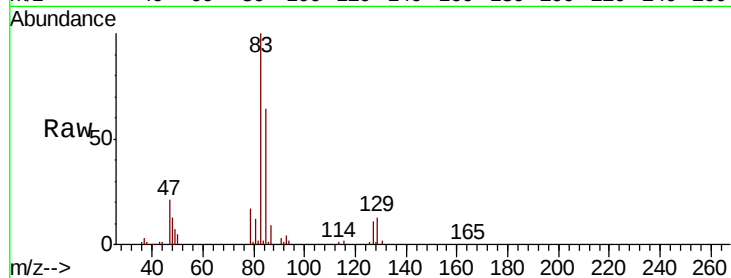
Tot Ion: 83 Resp: 271106

Ion Ratio Lower Upper

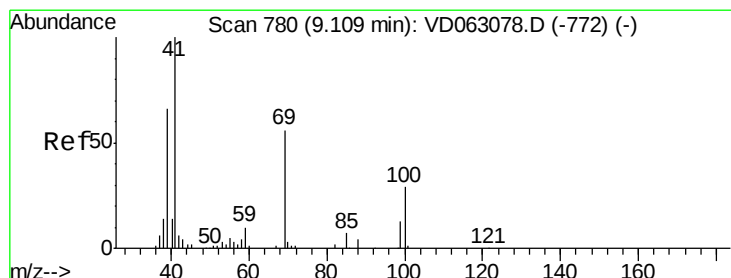
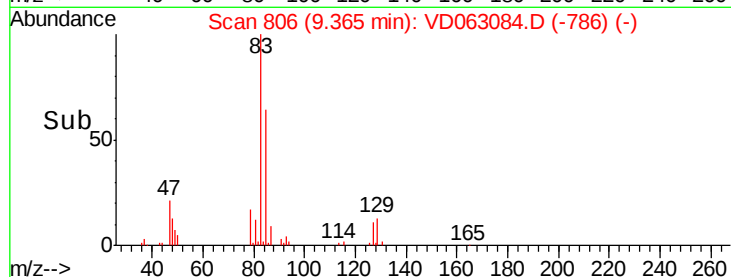
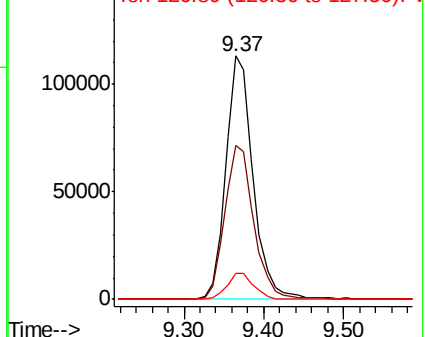
83 100

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

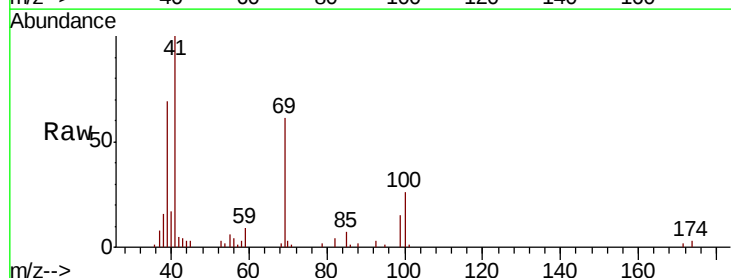
Tgt Ion: 41 Resp: 97245

Ion Ratio Lower Upper

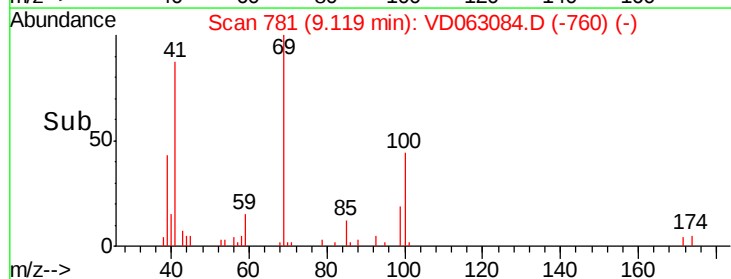
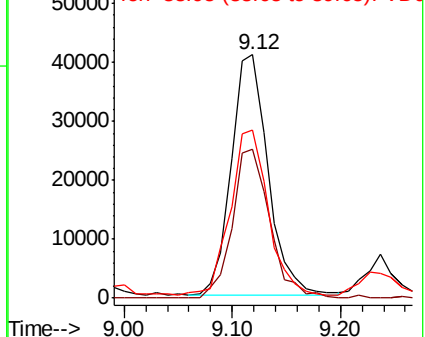
41 100

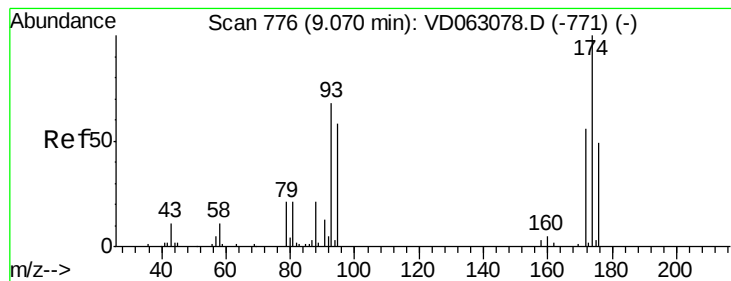
69 61.3 44.3 66.5

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

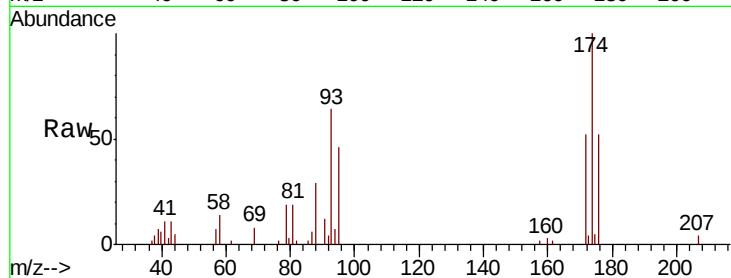
Tot Ion: 88 Resp: 17057

Ion Ratio Lower Upper

88 100

43 37.7 40.2 60.4#

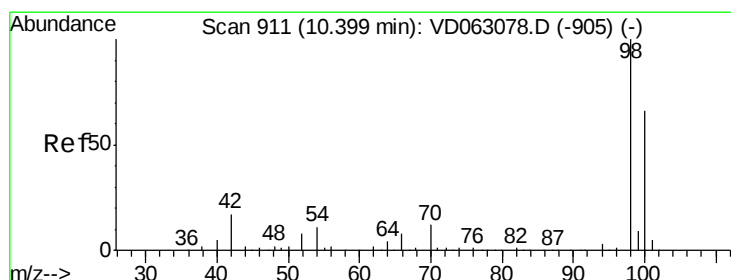
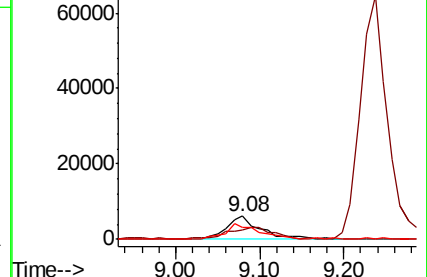
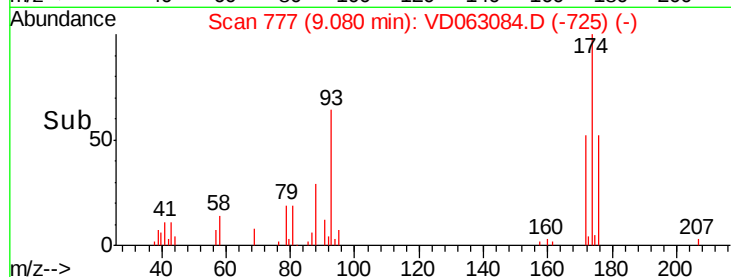
58 50.7 41.6 62.4



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

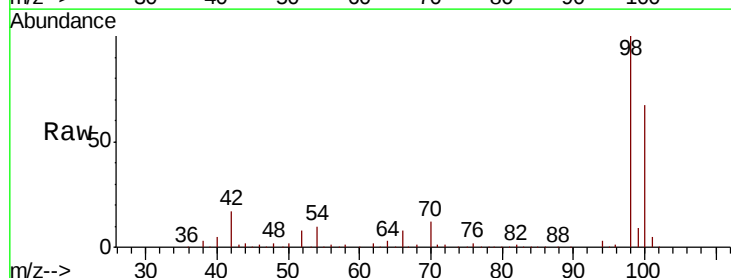
Acq: 15 Jul 2019 16:54

Tgt Ion: 98 Resp: 1161153

Ion Ratio Lower Upper

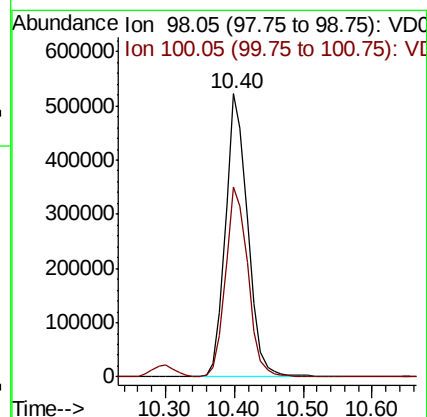
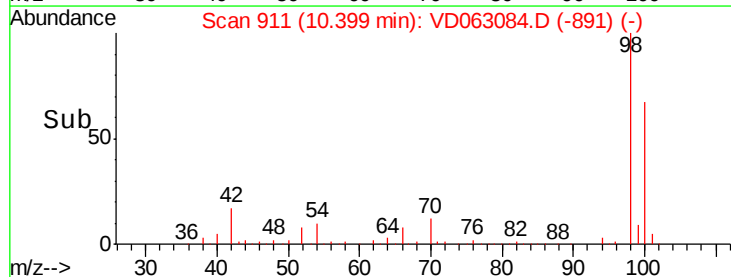
98 100

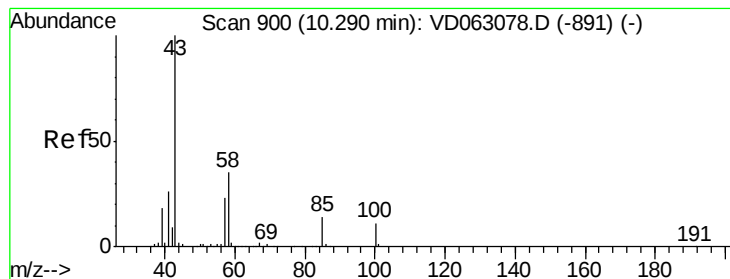
100 66.9 53.5 80.3



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 :

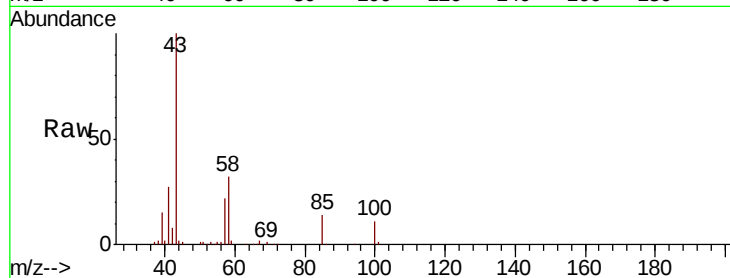
VD0715SBS01

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

10.30

200000

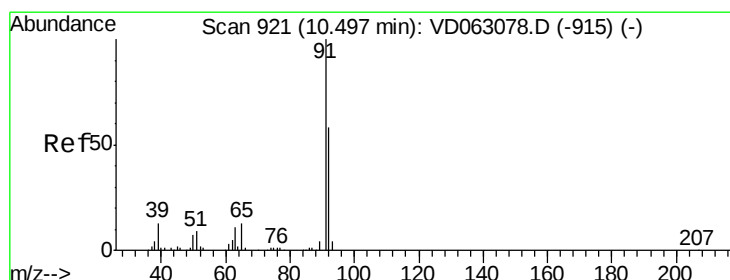
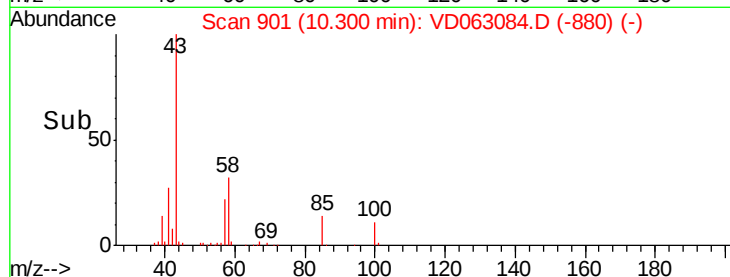
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.425 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD063084.D

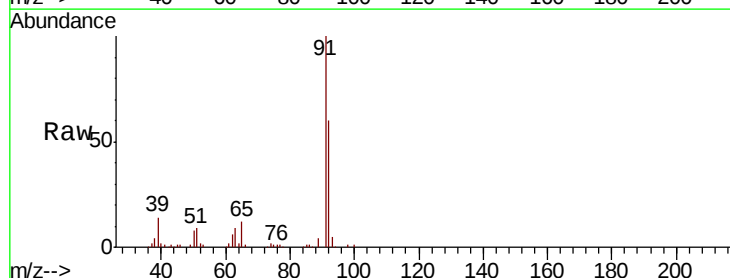
Acq: 15 Jul 2019 16:54

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

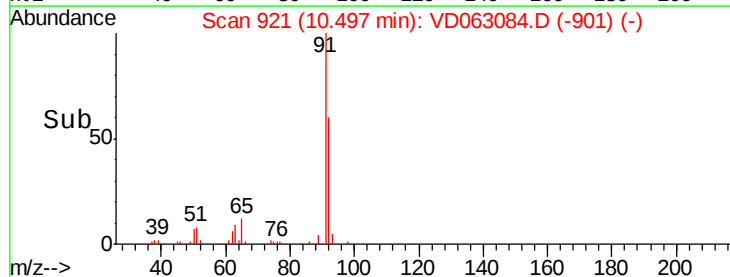
150000

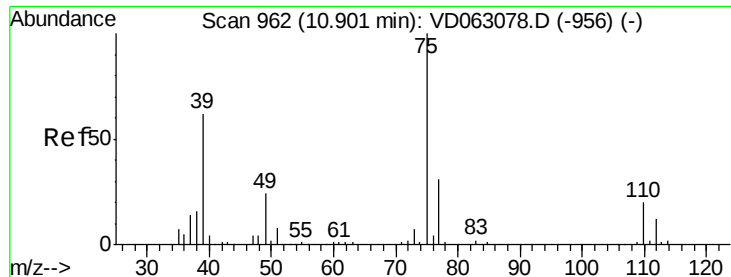
100000

50000

0

Time-->

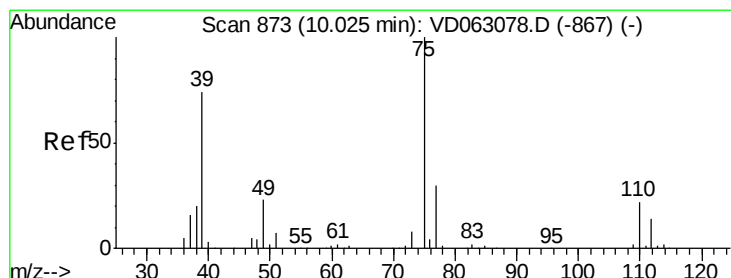
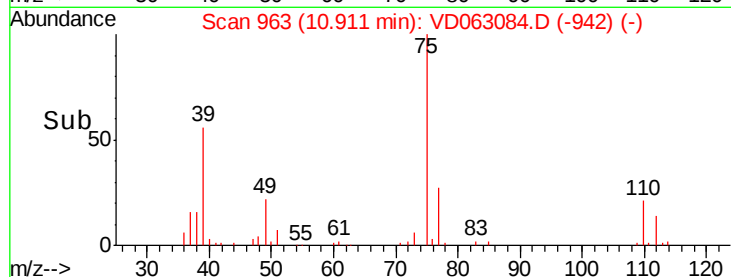
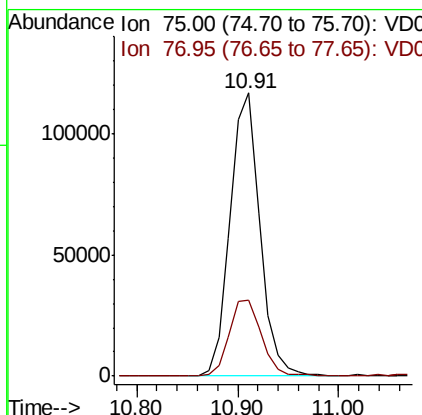
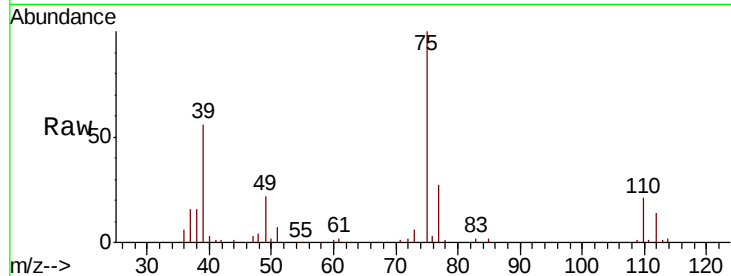




#53
t-1,3-Dichloropropene
Concen: 20.444 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

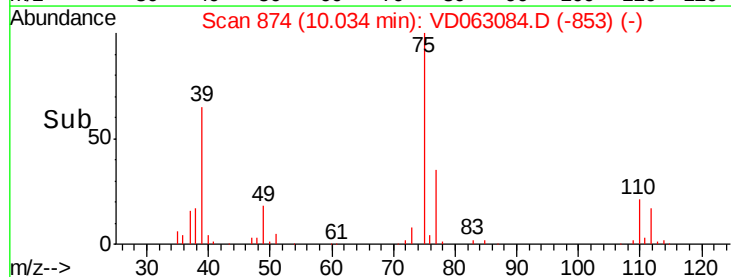
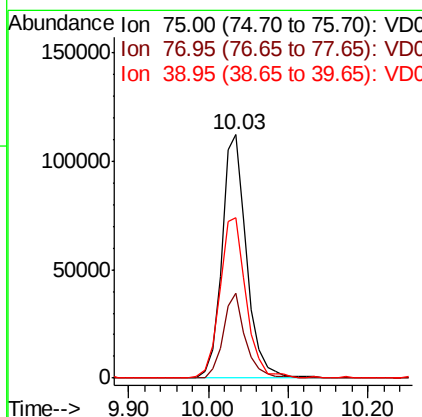
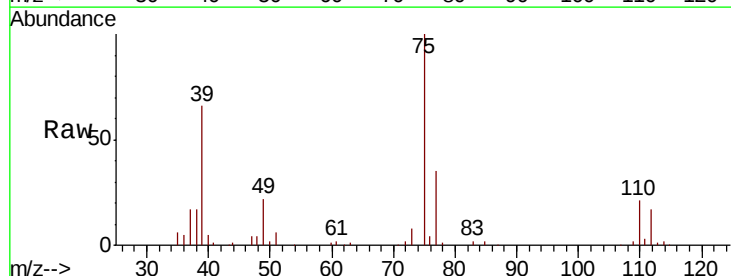
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

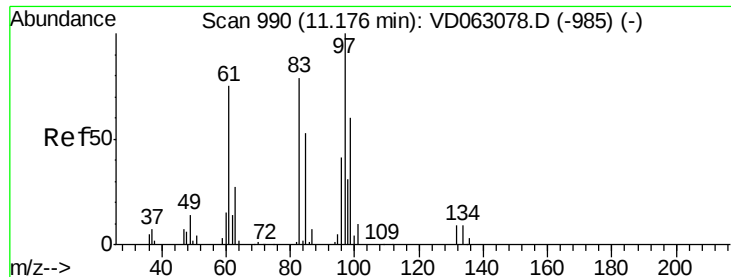
Tot Ion: 75 Resp: 239799
Ion Ratio Lower Upper
75 100
77 26.7 24.9 37.3



#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

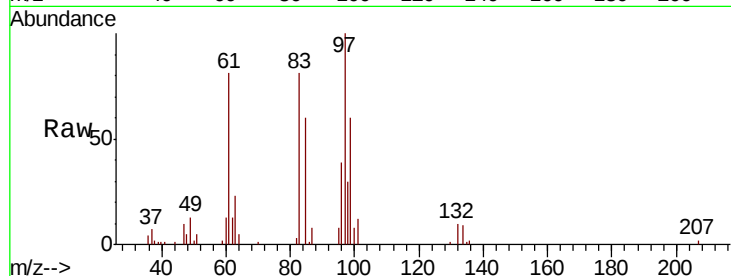
Ion Ratio Lower Upper

97 100

83 81.2 63.2 94.8

85 60.4 42.0 63.0

99 60.2 48.3 72.5

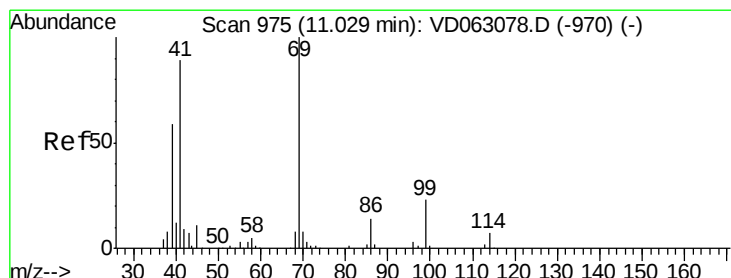
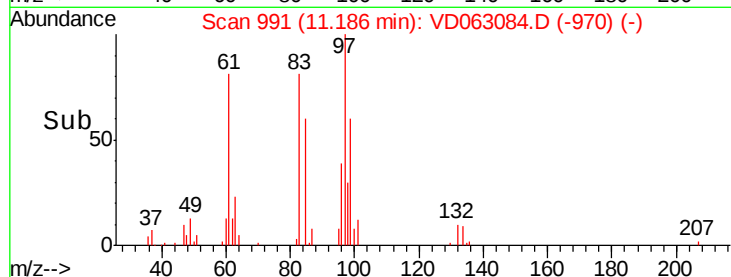
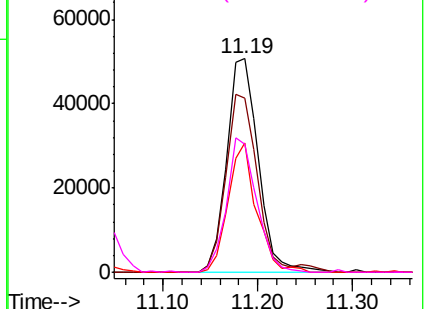


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

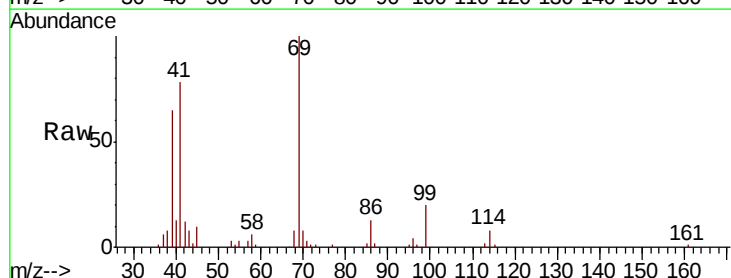
Tgt Ion: 69 Resp: 128095

Ion Ratio Lower Upper

69 100

41 78.1 71.0 106.4

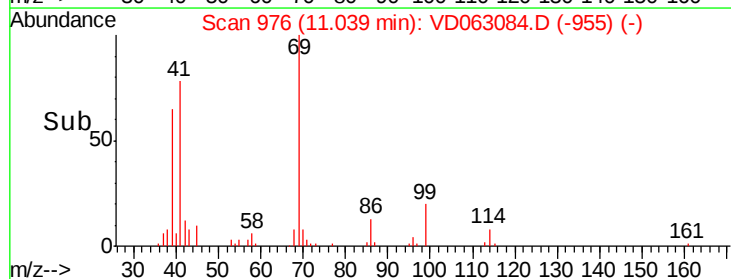
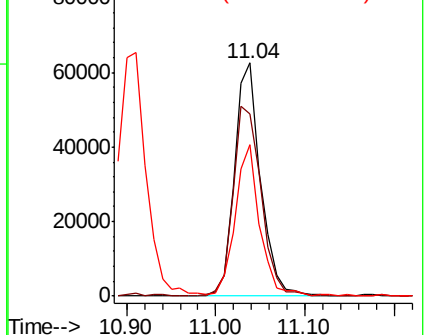
39 64.7 47.7 71.5

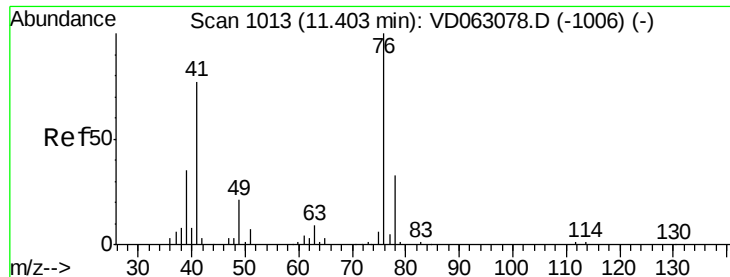


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

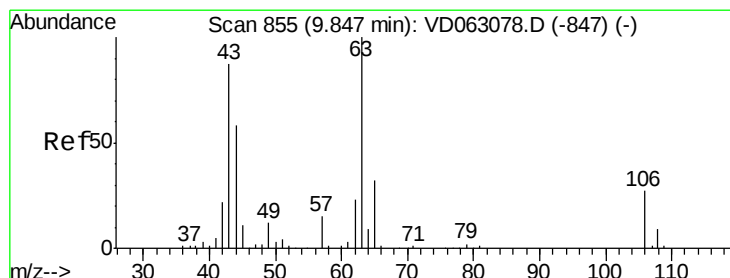
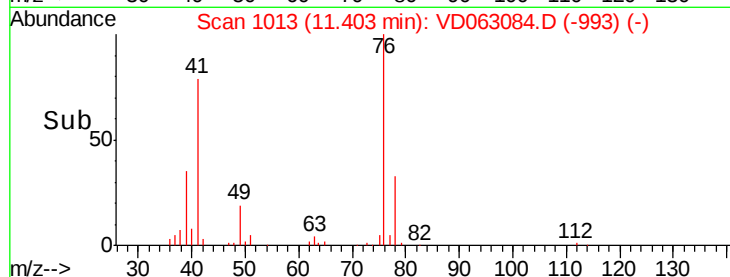
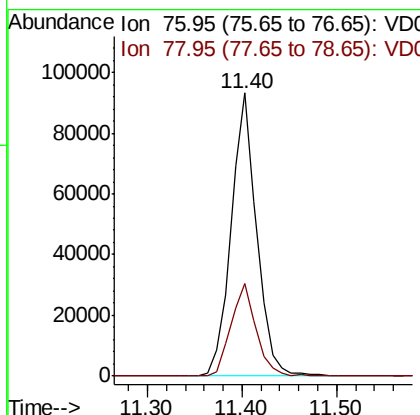
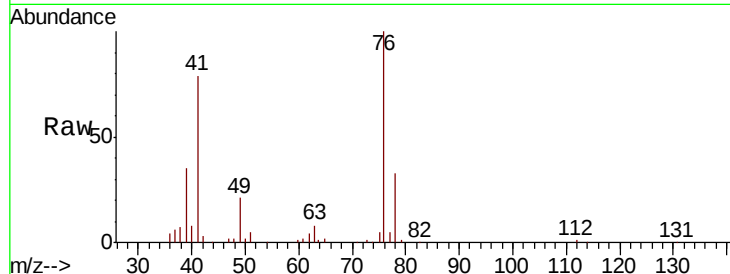




#57
 1,3-Dichloropropane
 Concen: 20.212 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

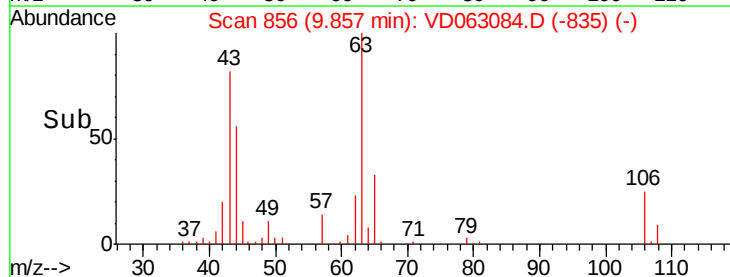
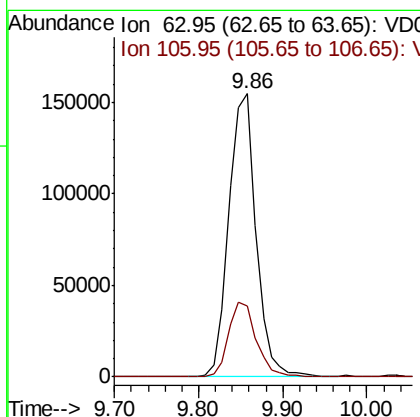
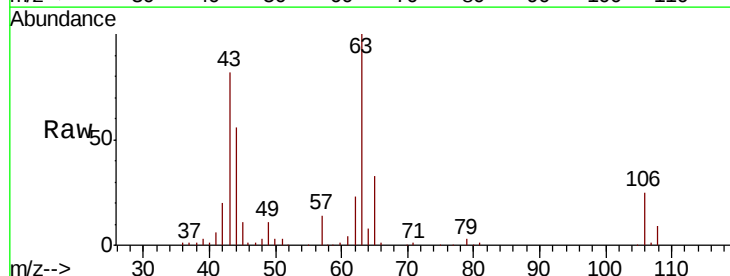
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

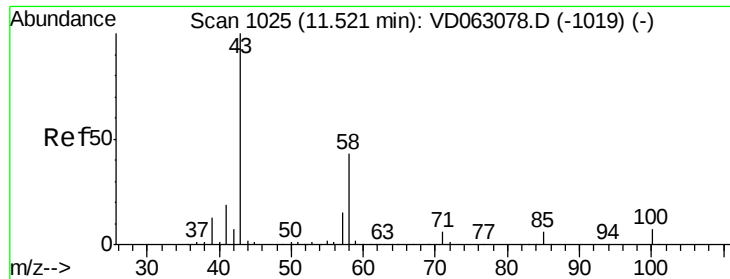
Tot Ion: 76 Resp: 173798
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.8 40.2



#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

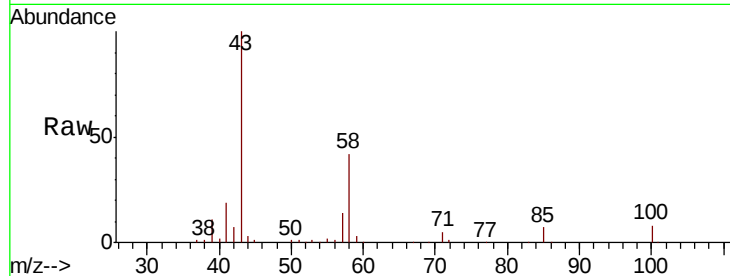




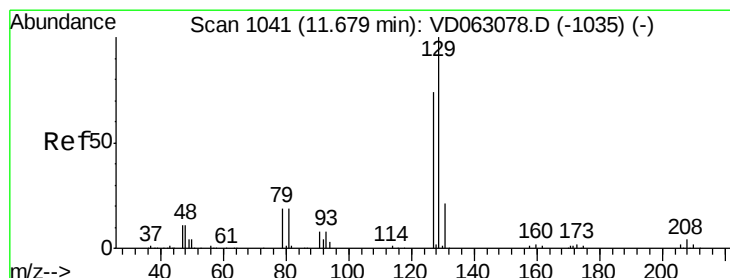
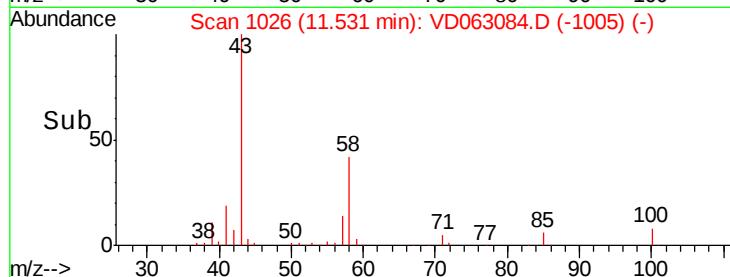
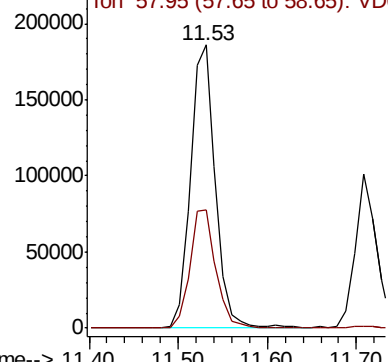
#59
2-Hexanone
Concen: 99.171 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

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

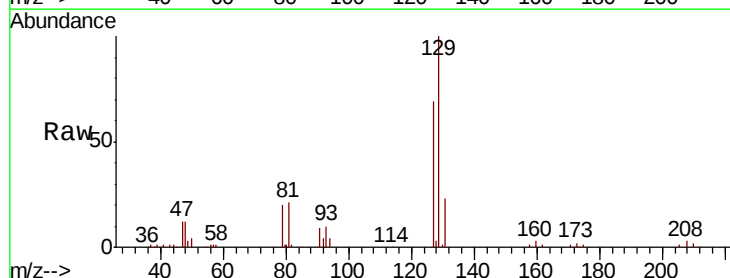


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

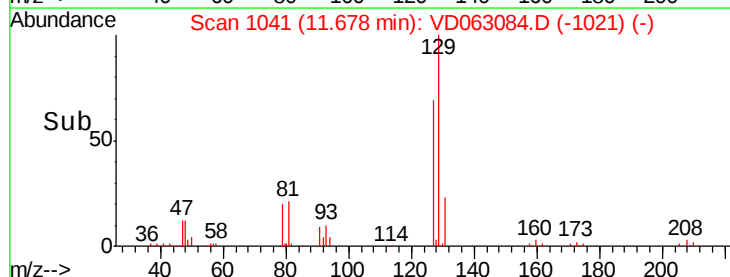
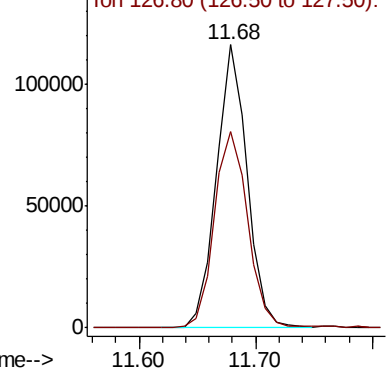


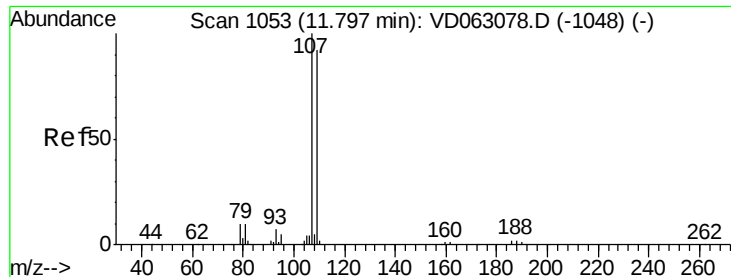
#60
Dibromochloromethane
Concen: 19.584 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

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



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

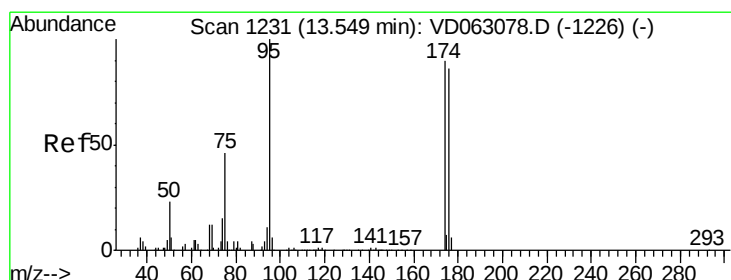
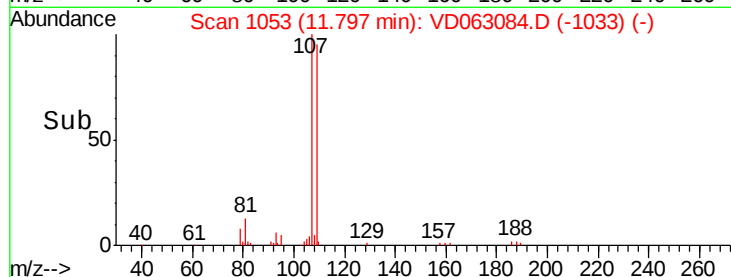
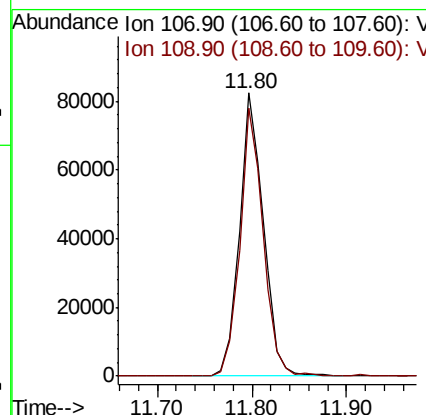
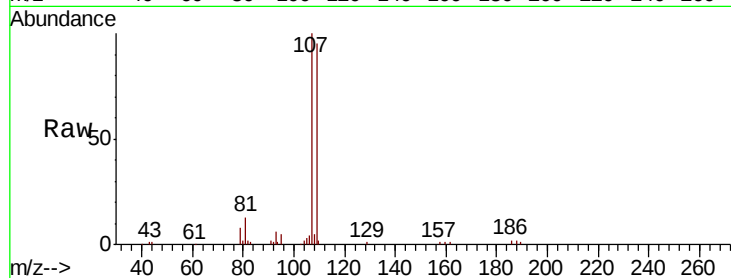




#61
 1,2-Dibromoethane
 Concen: 21.175 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

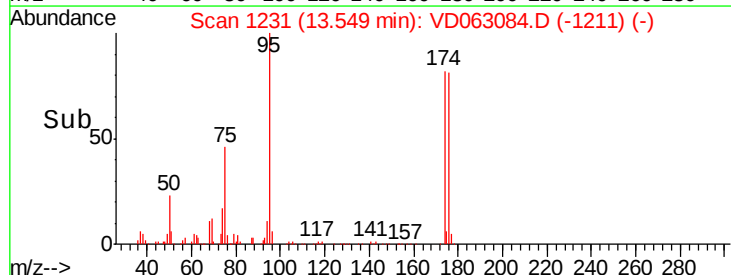
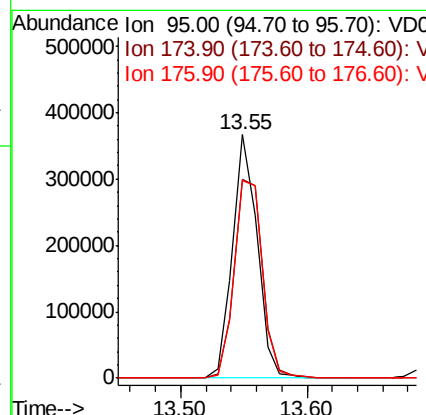
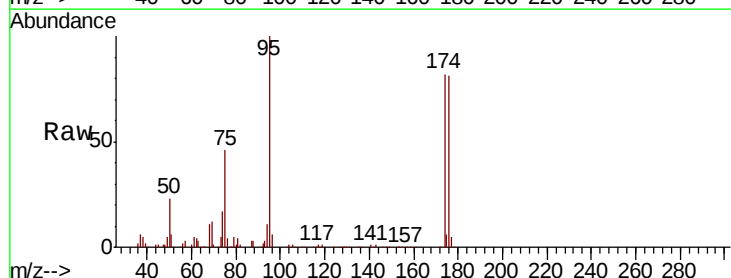
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

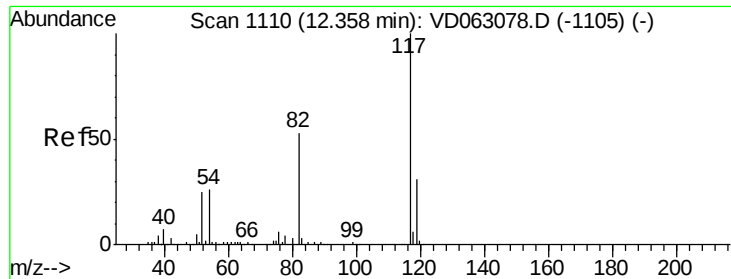
Tot Ion: 107 Resp: 143233
 Ion Ratio Lower Upper
 107 100
 109 94.7 73.6 110.4



#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

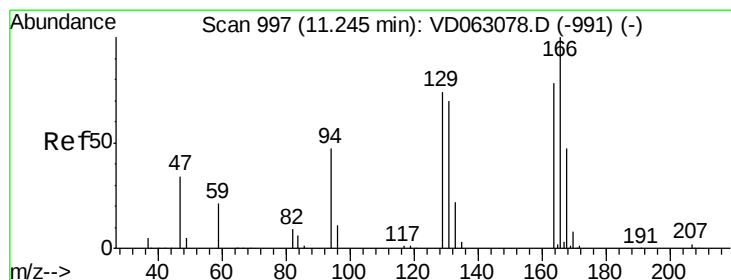
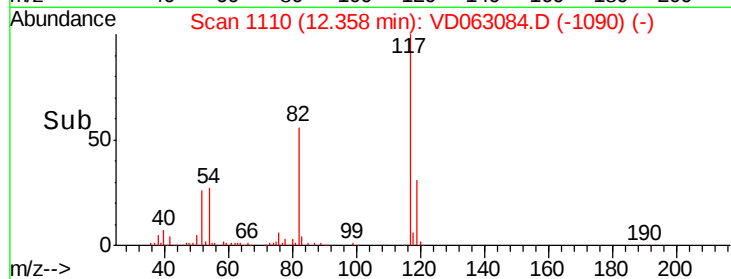
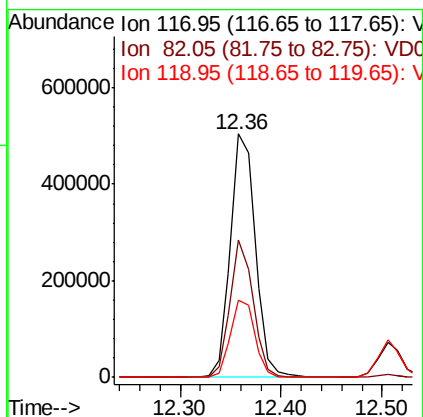
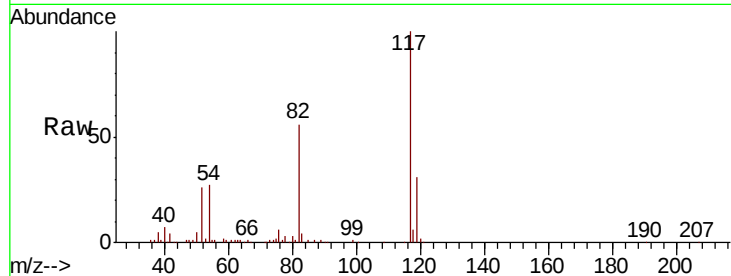




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

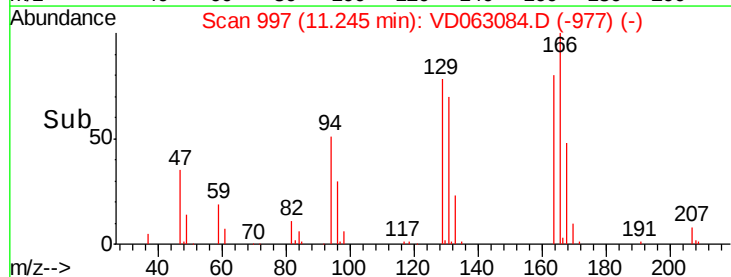
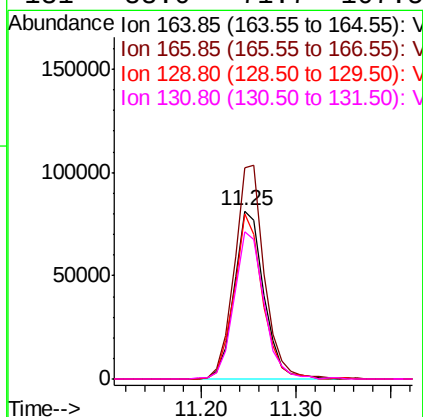
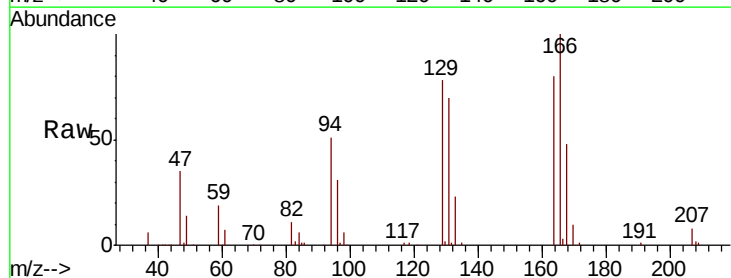
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBSD01

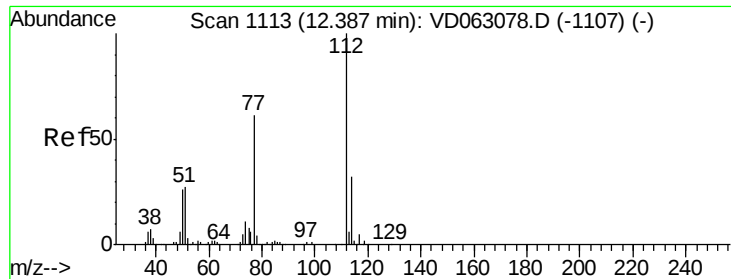
Tot Ion:117 Resp: 868009
Ion Ratio Lower Upper
117 100
82 56.5 42.3 63.5
119 31.5 25.2 37.8



#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

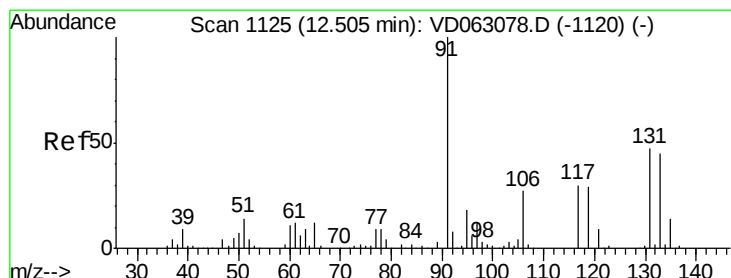
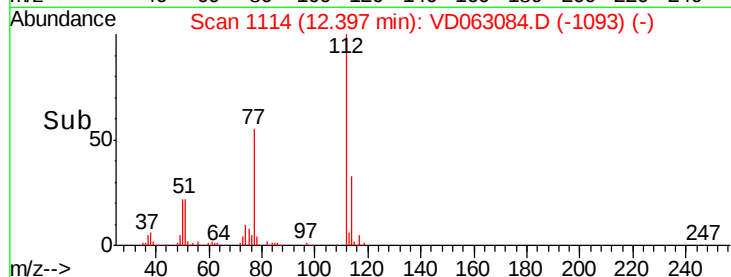
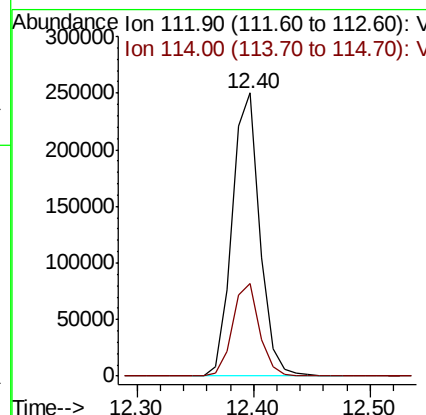
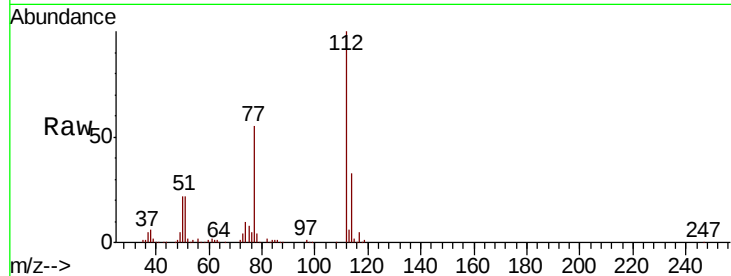




#65
Chlorobenzene
Concen: 20.169 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

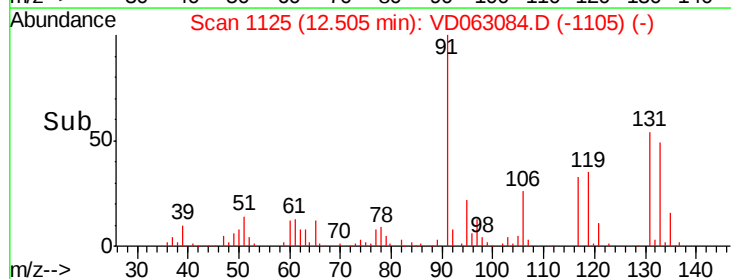
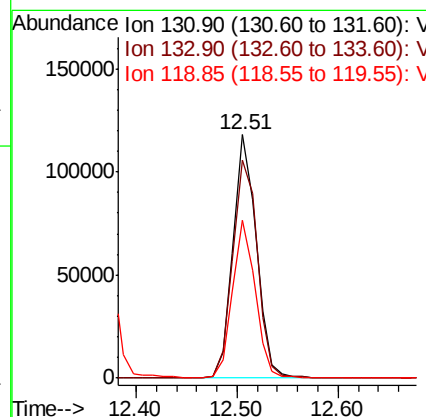
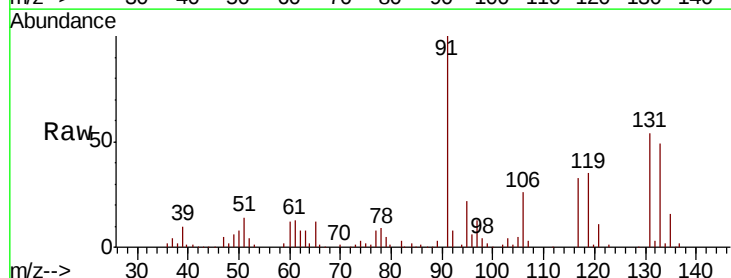
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

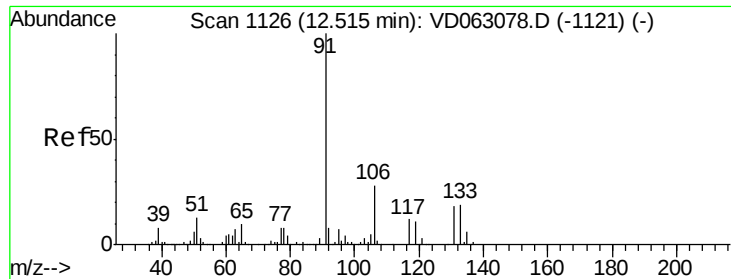
Tot Ion:112 Resp: 411535
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#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 :

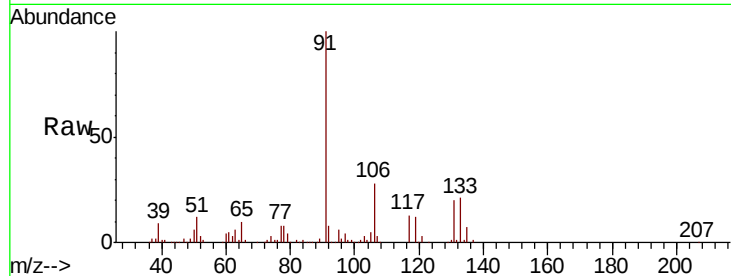
VD0715SBS01

Tot Ion: 91 Resp: 718765

Ion Ratio Lower Upper

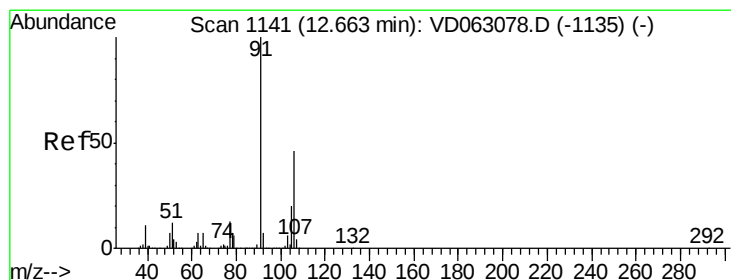
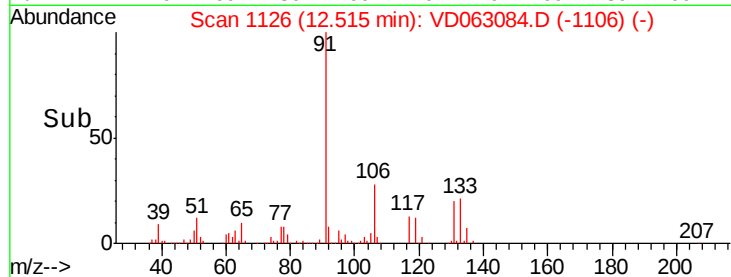
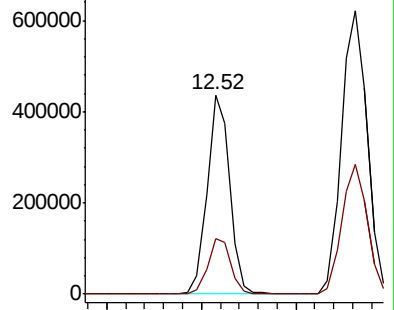
91 100

106 28.0 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): 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

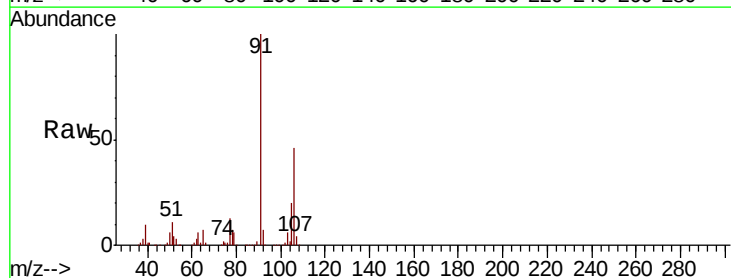
Acq: 15 Jul 2019 16:54

Tgt Ion: 106 Resp: 538395

Ion Ratio Lower Upper

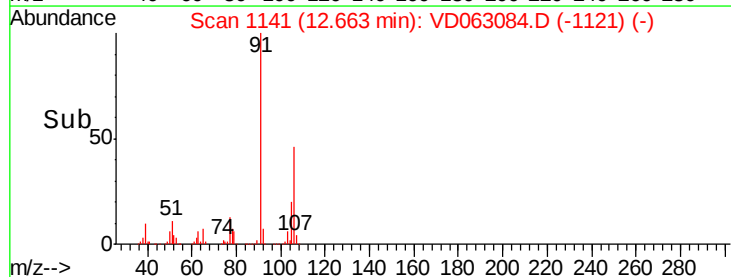
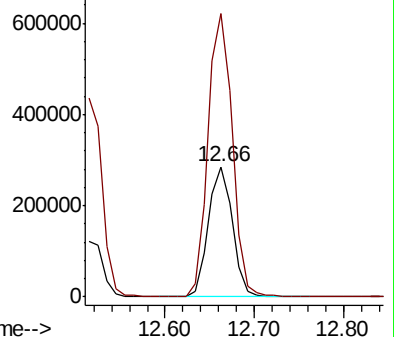
106 100

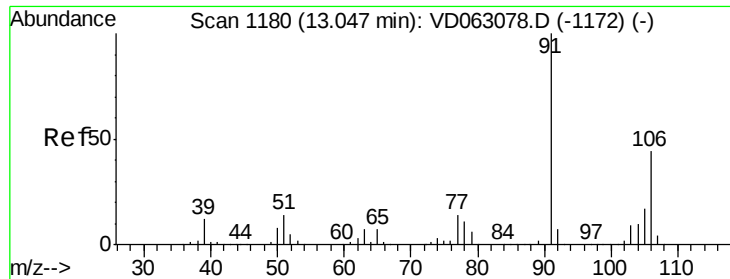
91 217.8 173.0 259.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

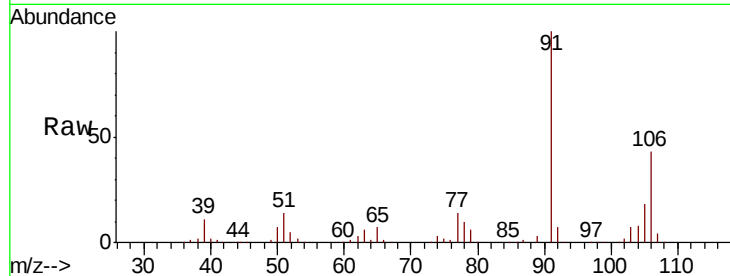




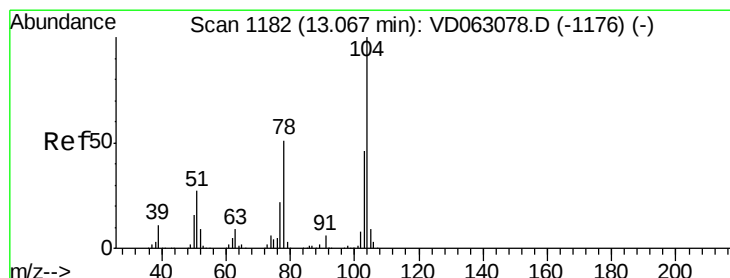
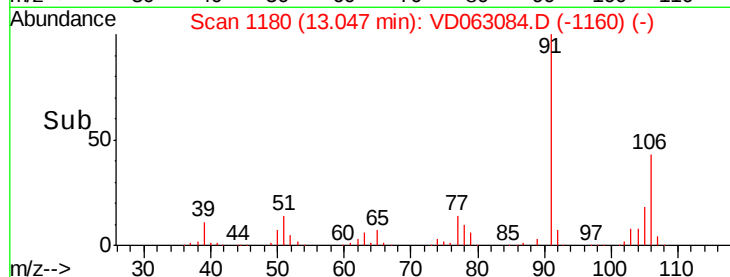
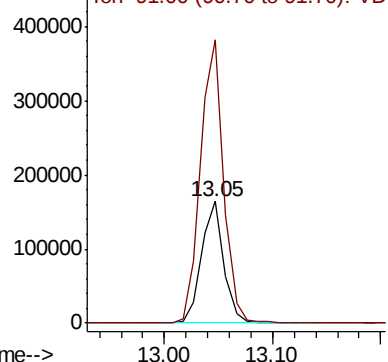
#69
o-Xylene
Concen: 19.572 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

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

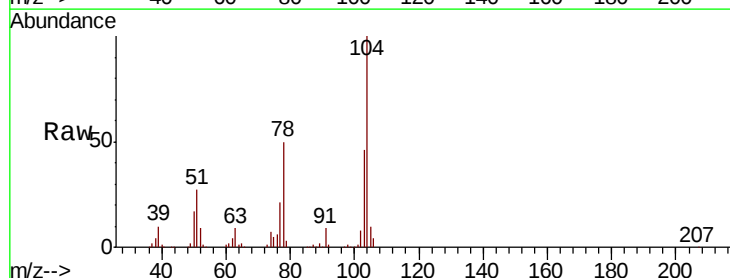


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

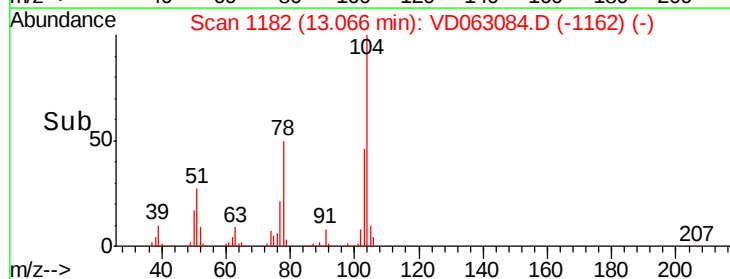
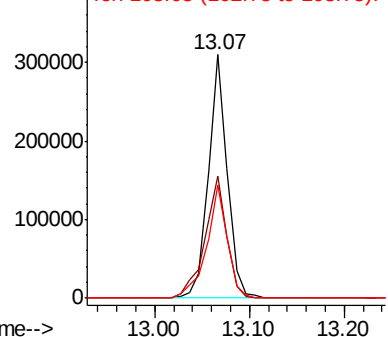


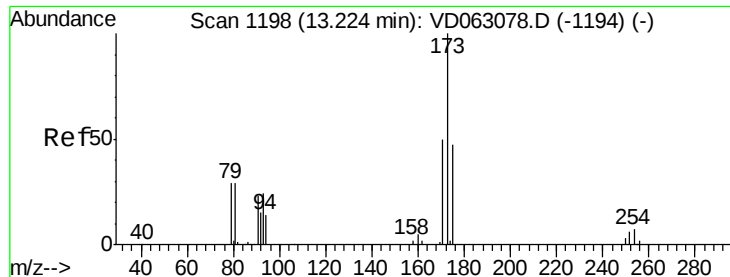
#70
Styrene
Concen: 20.363 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

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

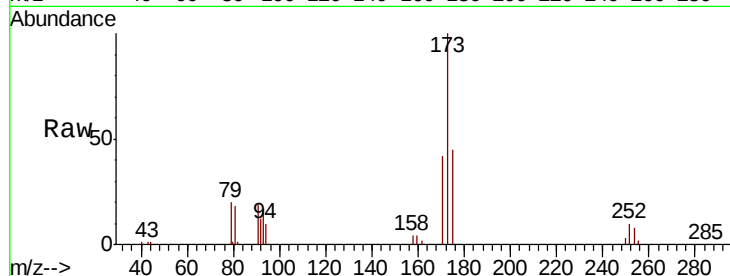
Tot Ion:173 Resp: 136122

Ion Ratio Lower Upper

173 100

175 44.7 23.4 70.2

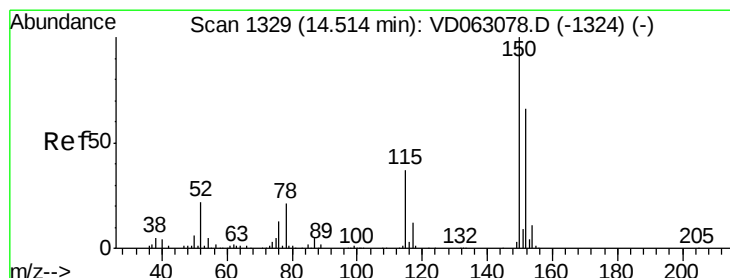
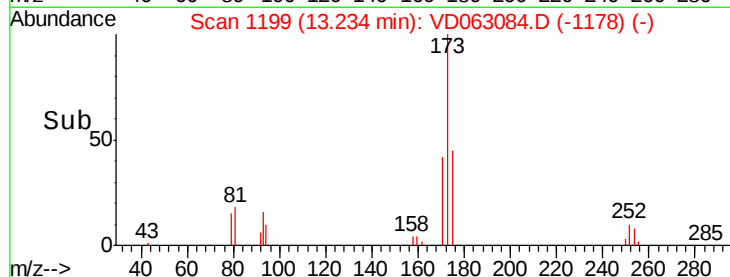
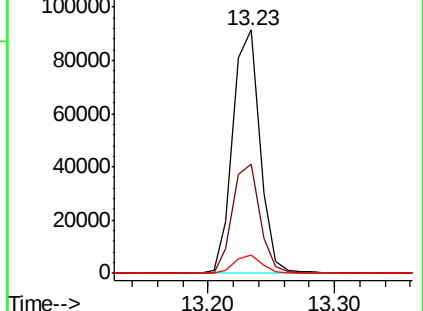
254 7.6 5.4 8.0



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

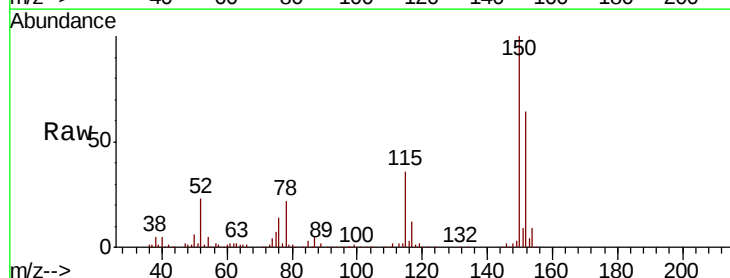
Tgt Ion:152 Resp: 470104

Ion Ratio Lower Upper

152 100

115 56.3 28.9 86.8

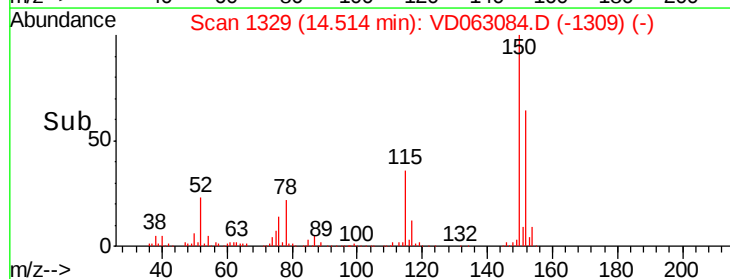
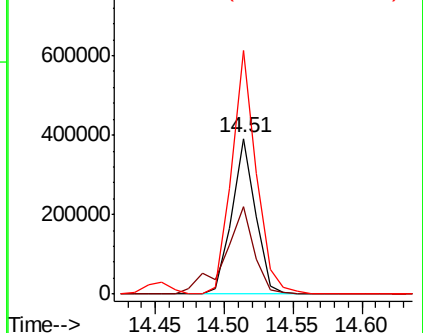
150 156.7 0.0 313.8

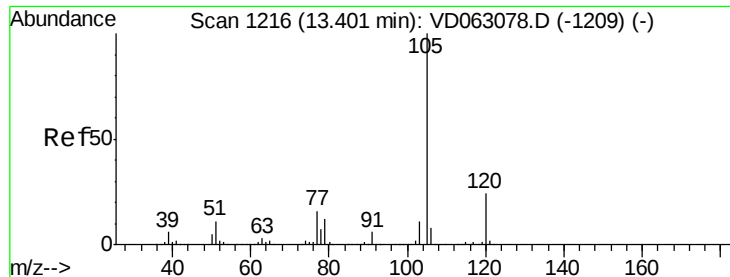


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

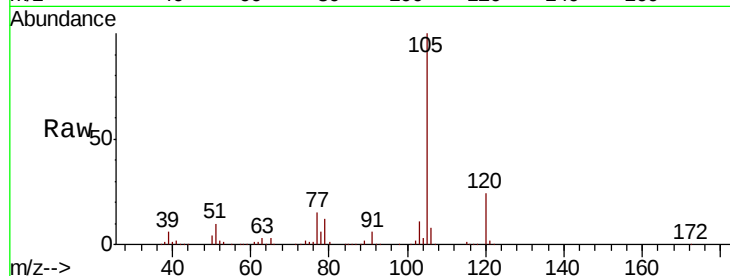
VD0715SBSD01

Tot Ion:105 Resp: 772989

Ion Ratio Lower Upper

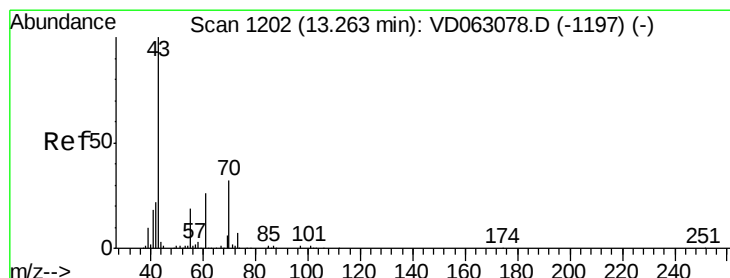
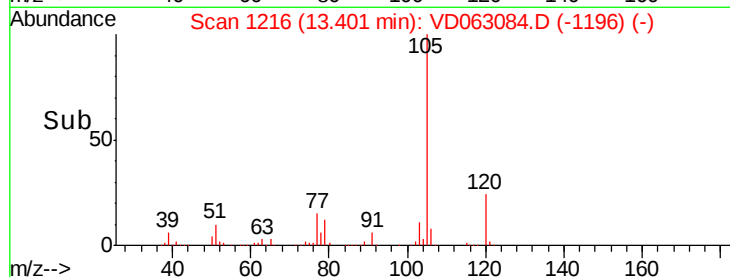
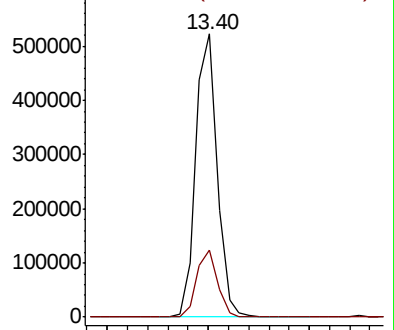
105 100

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

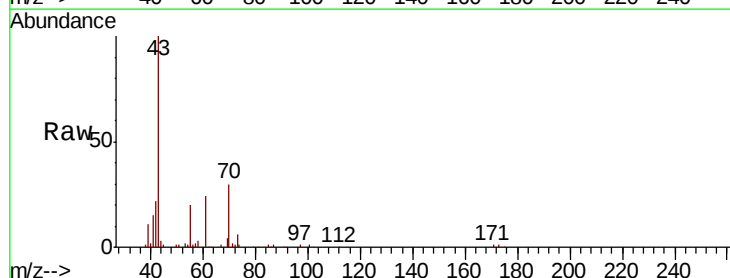
Ion Ratio Lower Upper

43 100

70 30.4 25.5 38.3

55 19.7 15.4 23.0

61 24.0 20.6 31.0

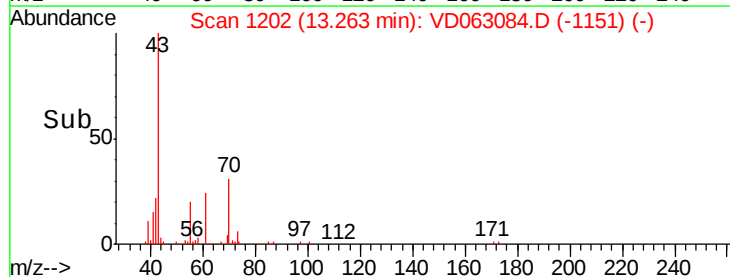
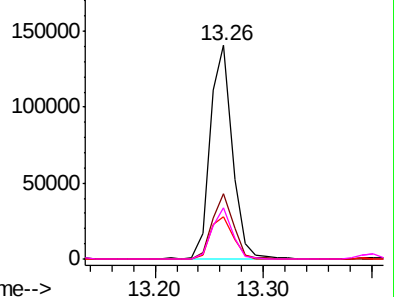


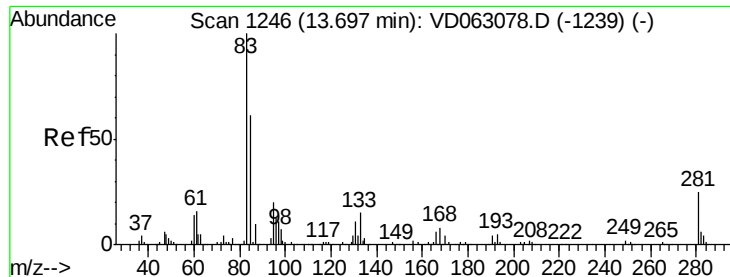
Abundance Ion 42.95 (42.65 to 43.65): V

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 :

VD0715SBS01

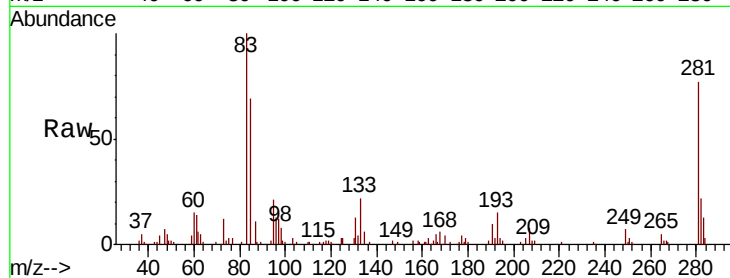
Tot Ion: 83 Resp: 128907

Ion Ratio Lower Upper

83 100

131 12.5 5.5 16.7

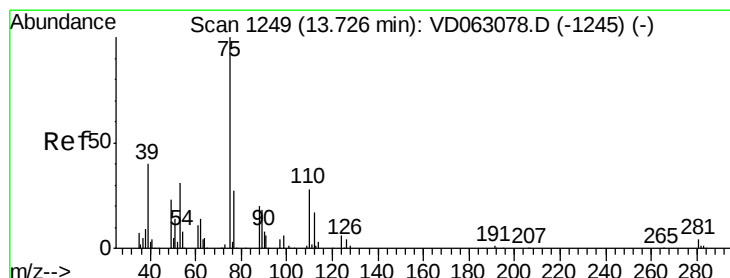
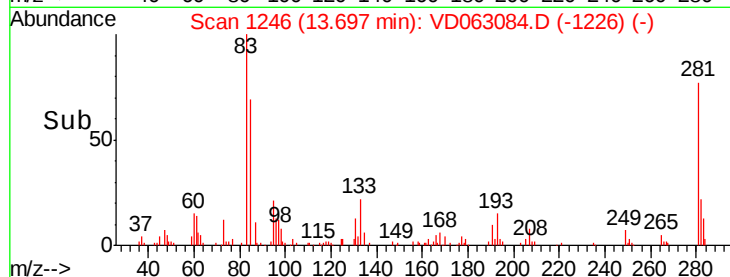
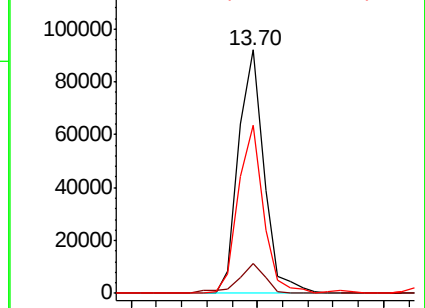
85 69.3 30.7 92.1



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

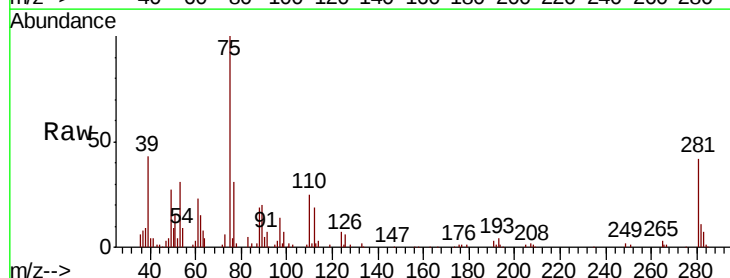
Acq: 15 Jul 2019 16:54

Tgt Ion: 75 Resp: 144503

Ion Ratio Lower Upper

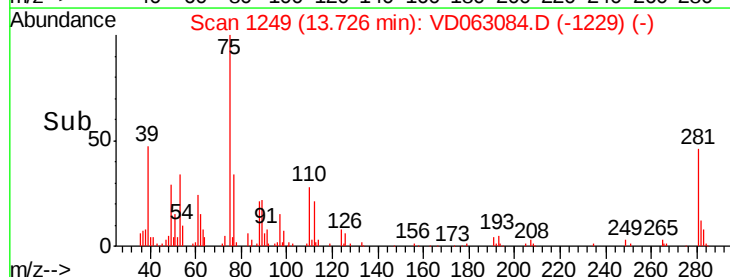
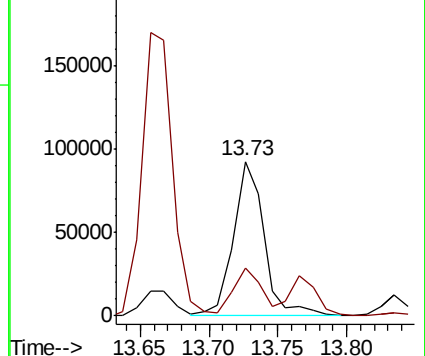
75 100

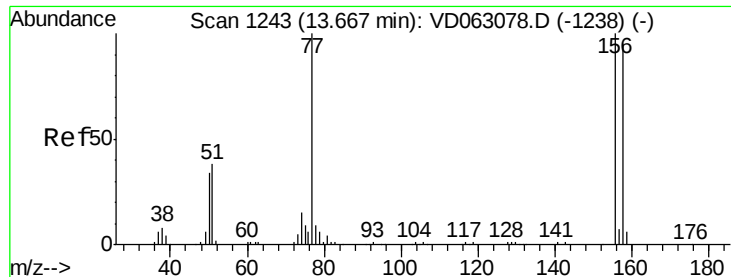
77 30.8 16.3 48.8



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

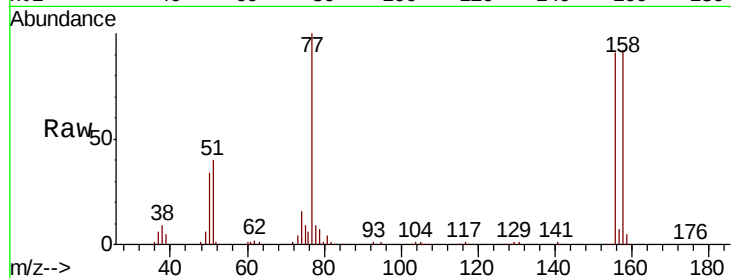
Tot Ion:156 Resp: 206940

Ion Ratio Lower Upper

156 100

77 110.1 50.2 150.7

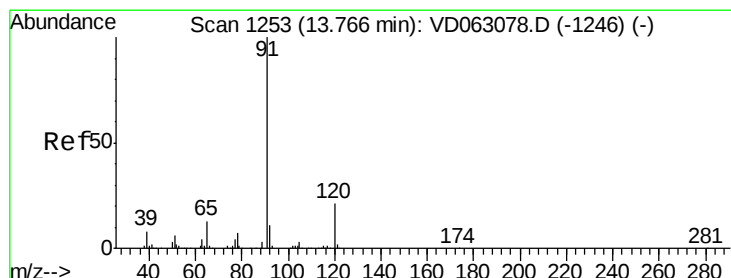
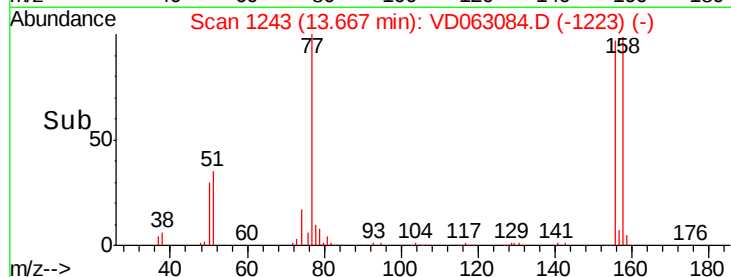
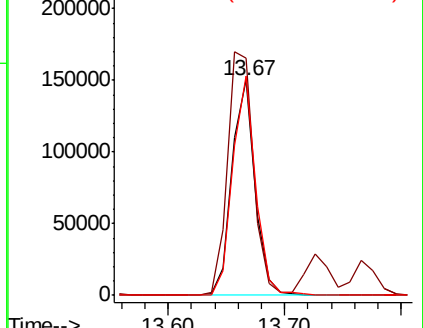
158 101.8 47.6 142.9



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

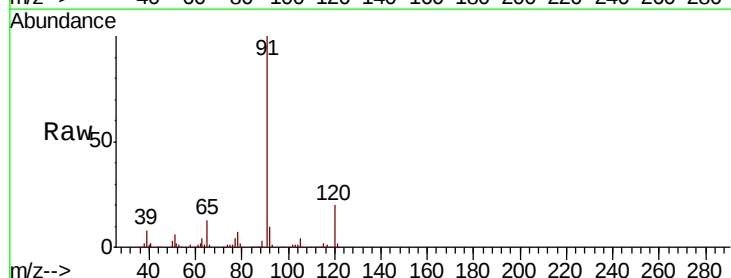
Acq: 15 Jul 2019 16:54

Tgt Ion: 91 Resp: 818504

Ion Ratio Lower Upper

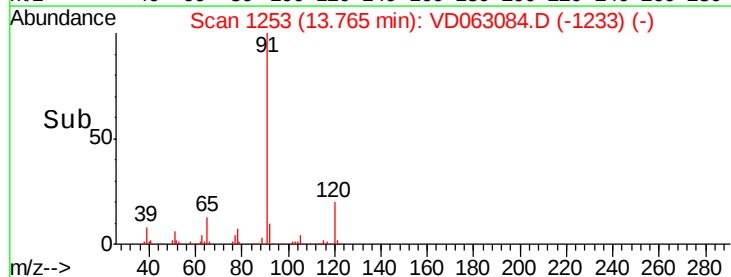
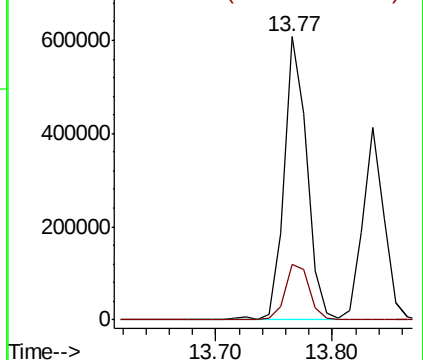
91 100

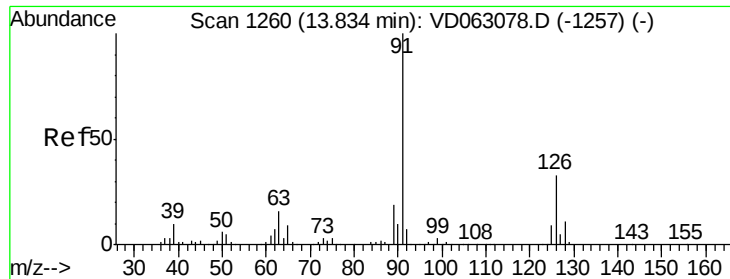
120 19.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

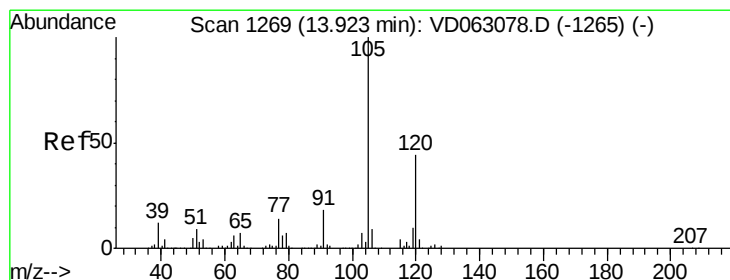
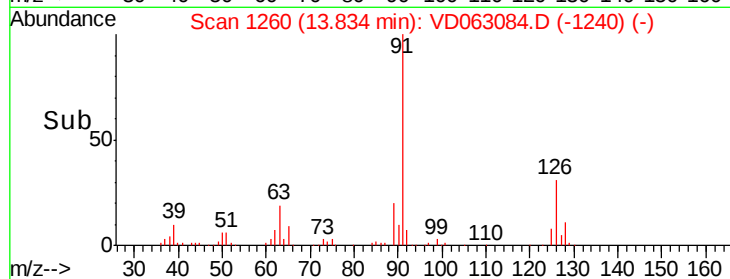
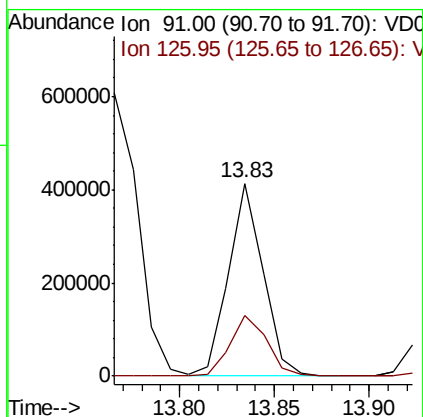
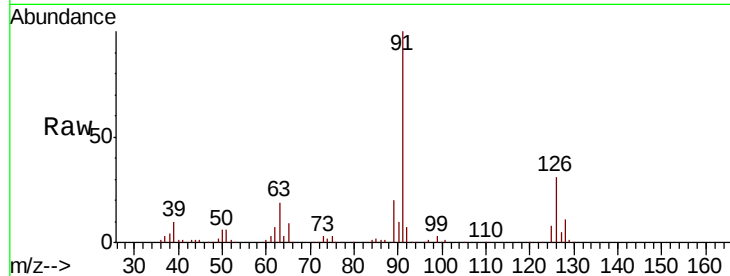




#79
2-Chlorotoluene
Concen: 20.579 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

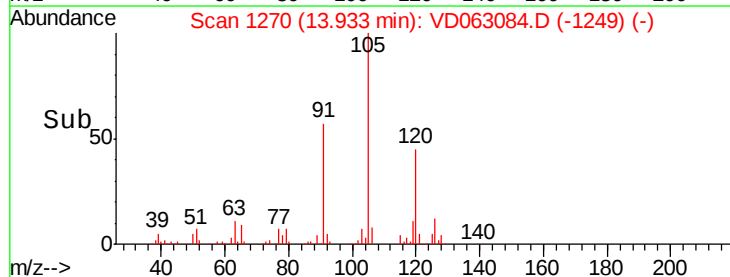
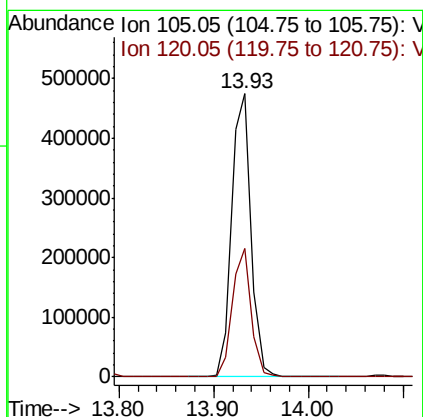
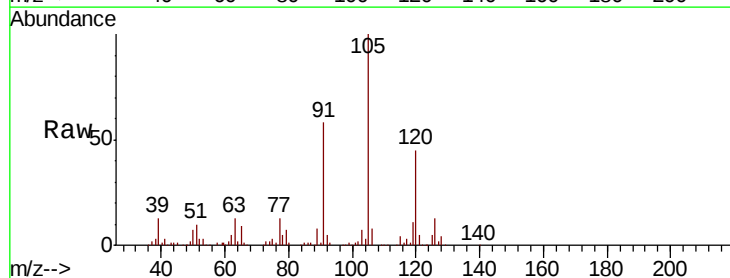
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBSD01

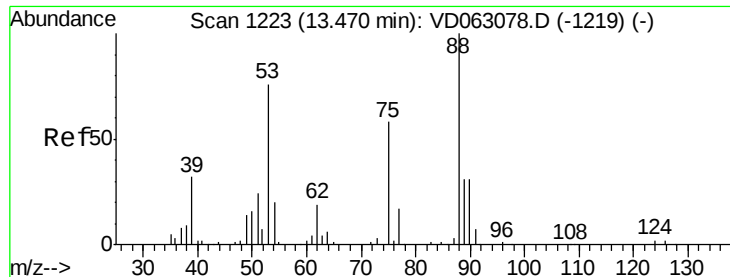
Tot Ion: 91 Resp: 519827
Ion Ratio Lower Upper
91 100
126 31.2 16.4 49.2



#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





#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 :

VD0715SBSD01

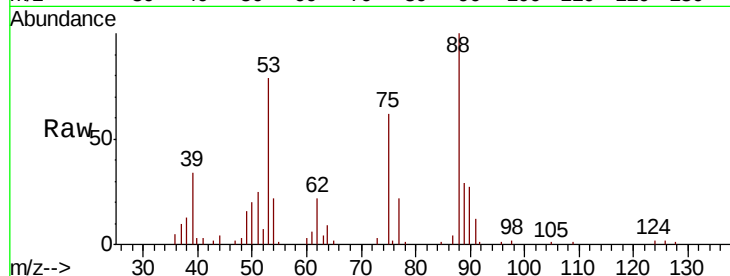
Tot Ion: 75 Resp: 37448

Ion Ratio Lower Upper

75 100

53 128.8 104.4 156.6

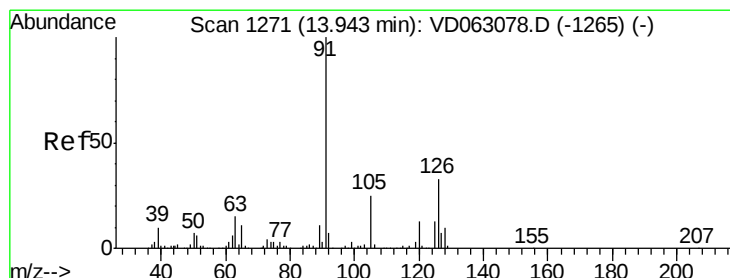
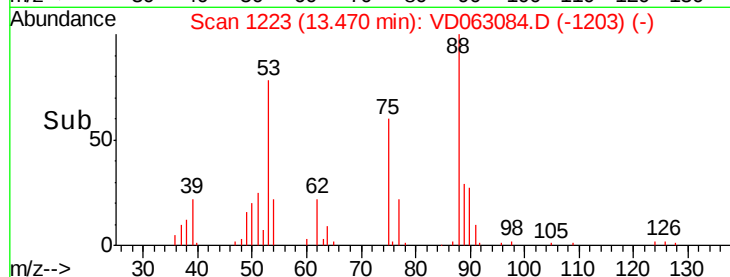
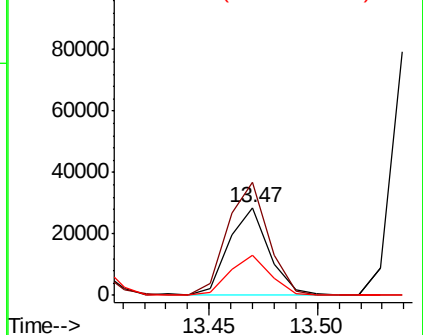
89 46.4 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.528 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063084.D

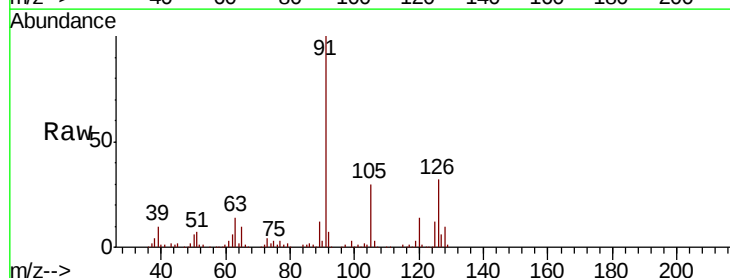
Acq: 15 Jul 2019 16:54

Tgt Ion: 91 Resp: 635021

Ion Ratio Lower Upper

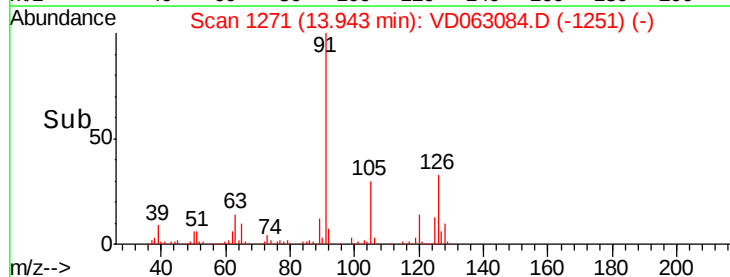
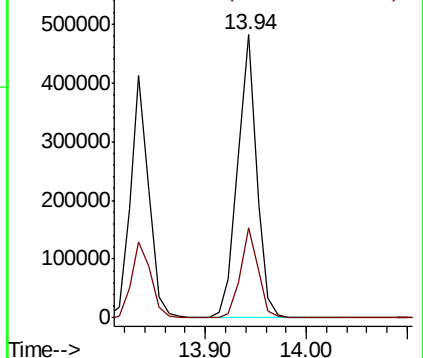
91 100

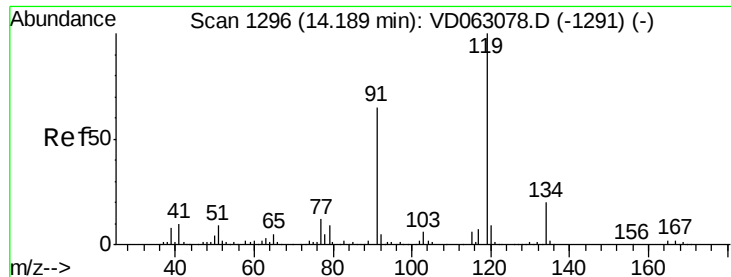
126 32.0 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

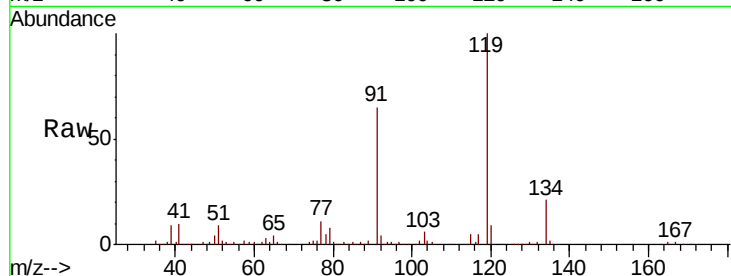




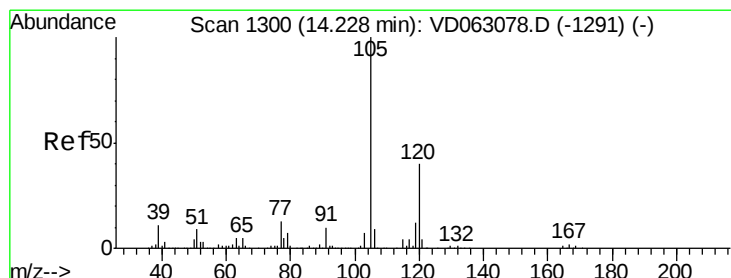
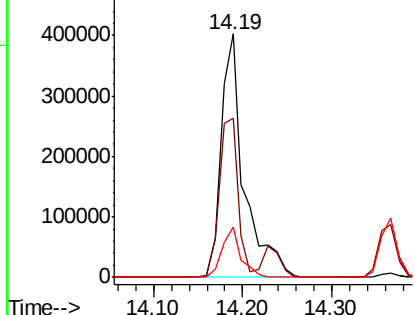
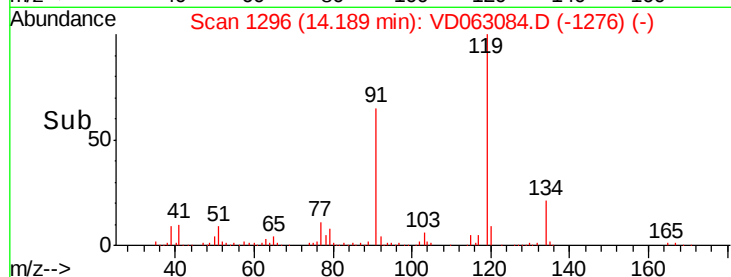
#83
 tert-Butylbenzene
 Concen: 20.187 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

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

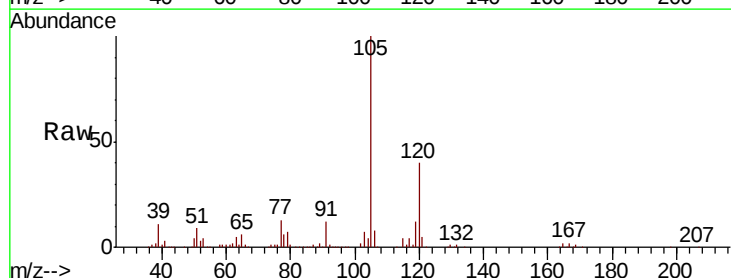


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

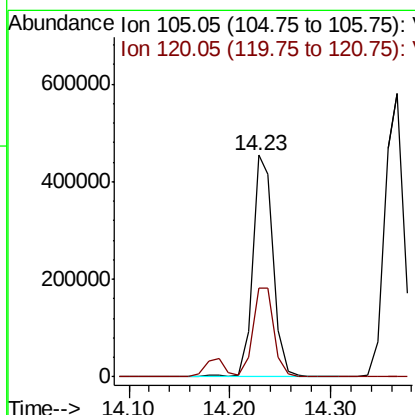
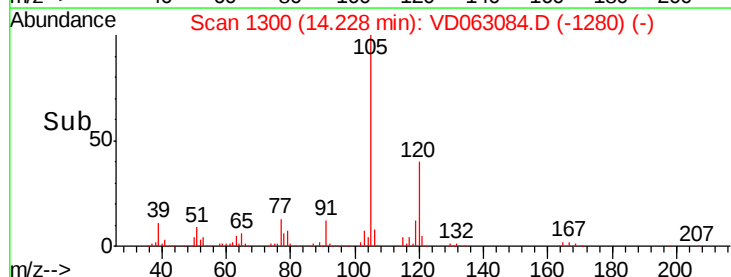


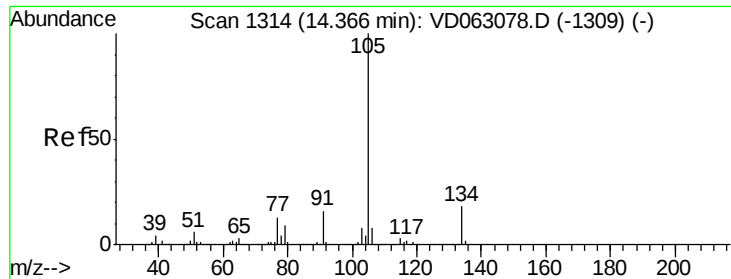
#84
 1,2,4-Trimethylbenzene
 Concen: 20.351 ug/l
 RT: 14.23 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

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

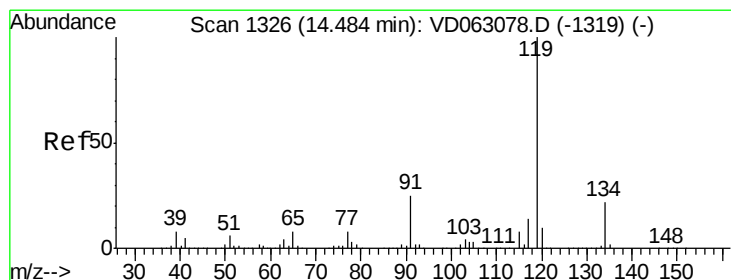
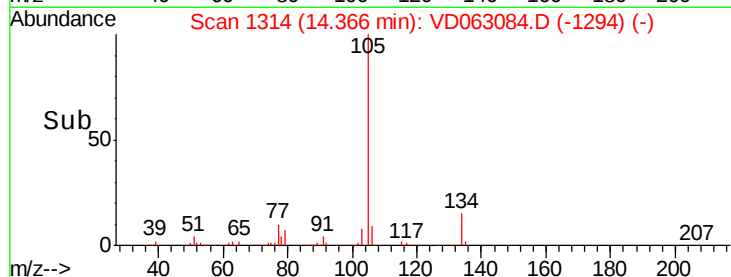
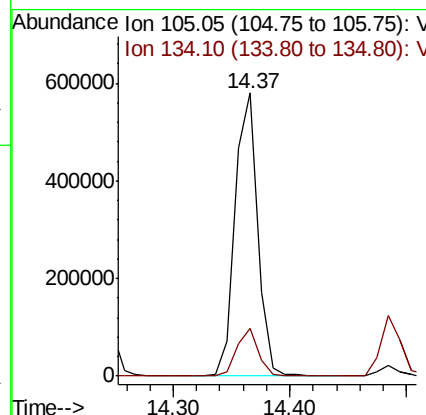
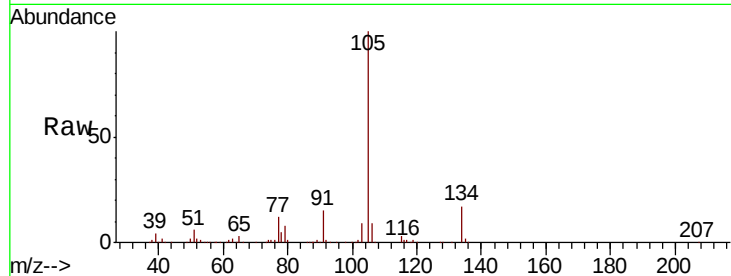




#85
 sec-Butylbenzene
 Concen: 20.549 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

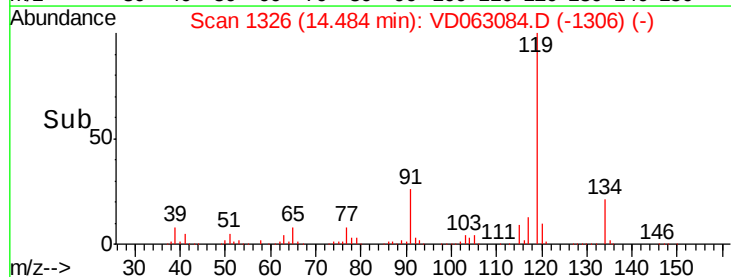
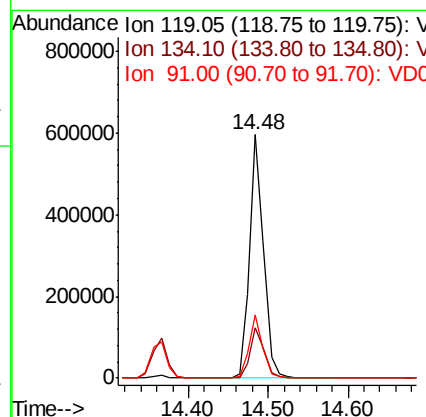
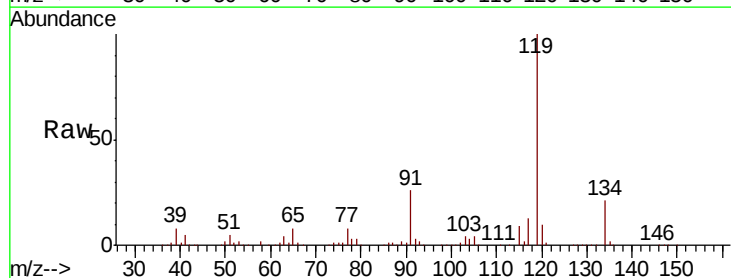
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBSD01

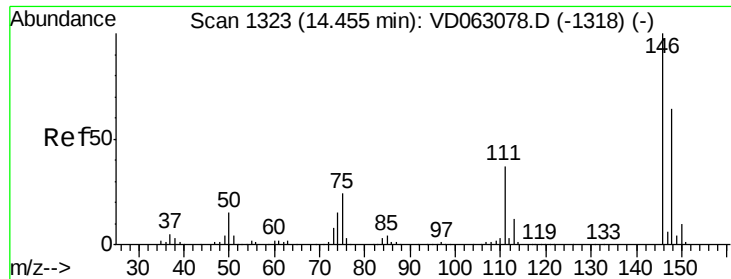
Tot Ion:105 Resp: 781135
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.8



#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

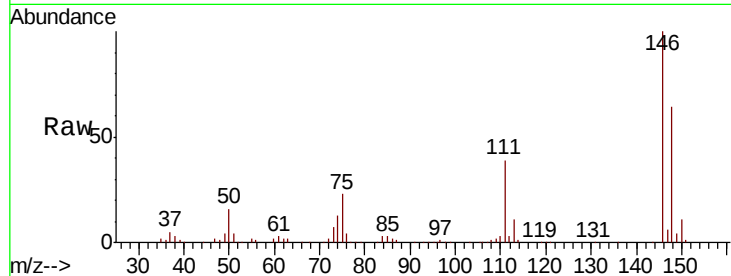




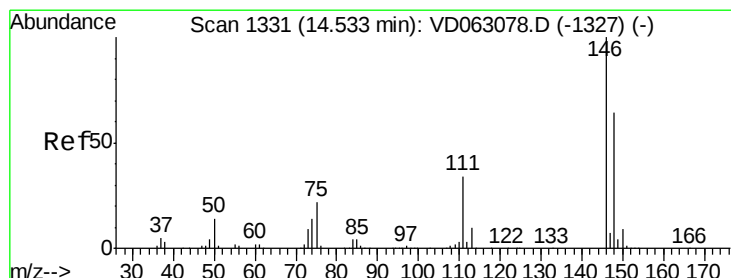
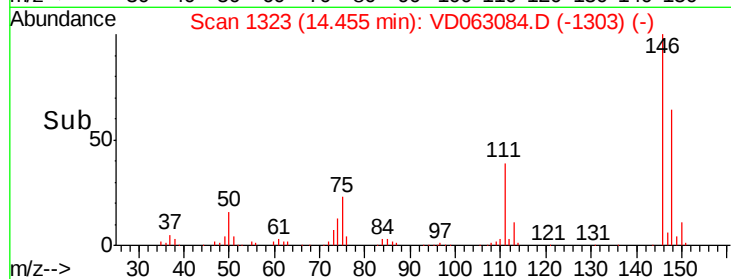
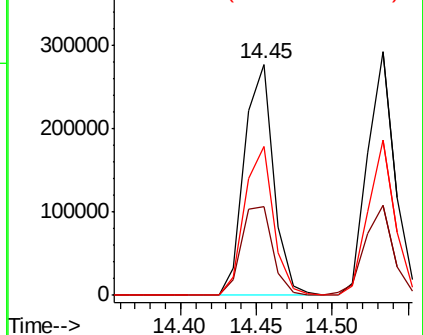
#87
 1,3-Dichlorobenzene
 Concen: 20.252 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

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

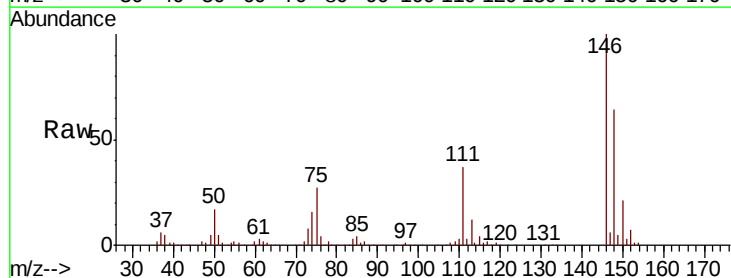


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

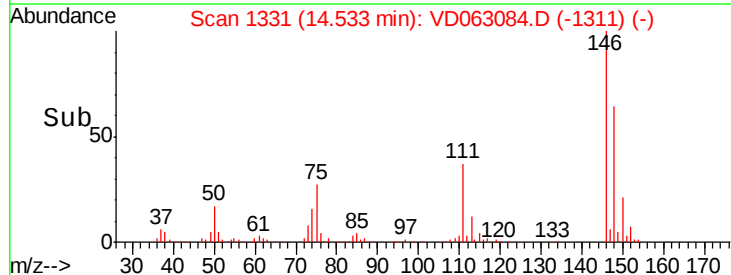
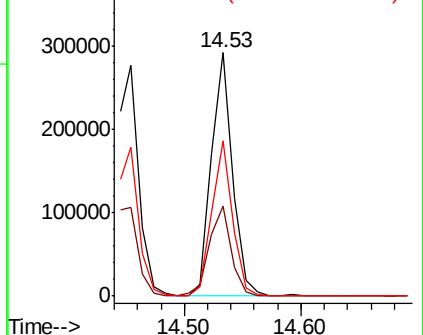


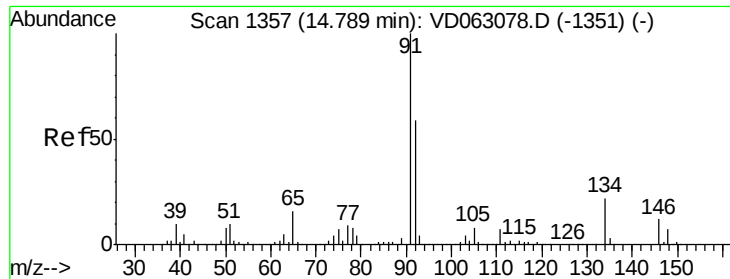
#88
 1,4-Dichlorobenzene
 Concen: 20.810 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

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

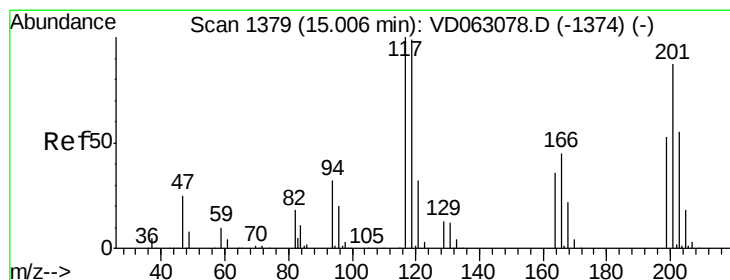
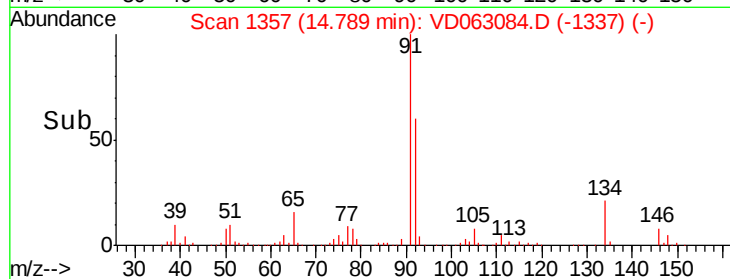
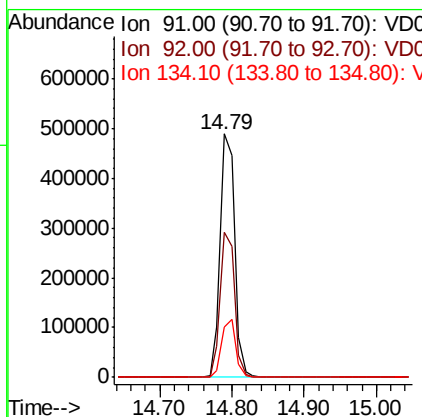
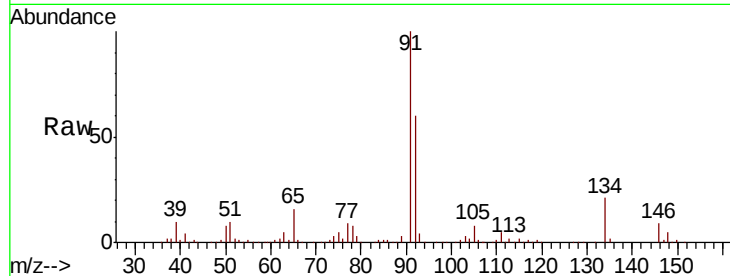




#89
n-Butylbenzene
Concen: 20.688 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VD063084.D
Acq: 15 Jul 2019 16:54

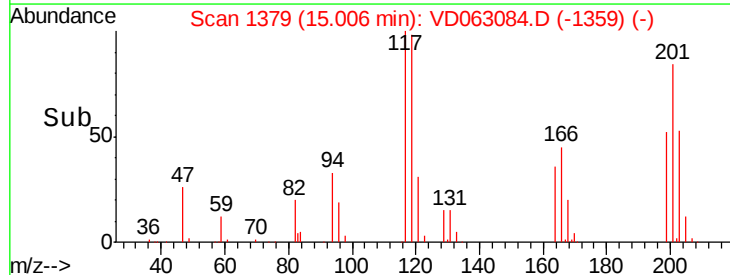
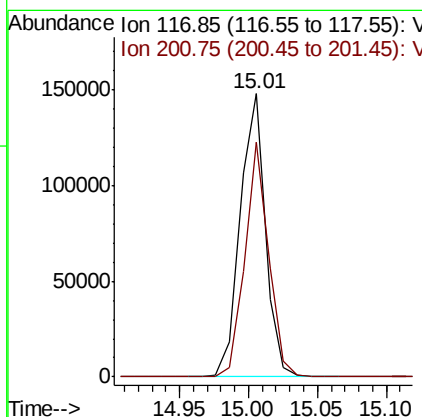
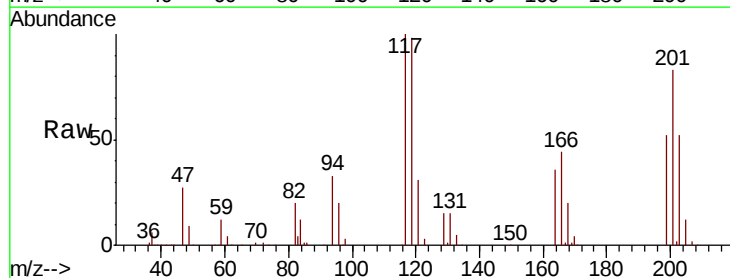
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

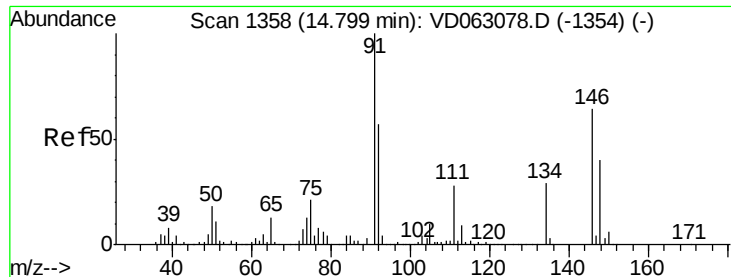
Tot Ion: 91 Resp: 676169
Ion Ratio Lower Upper
91 100
92 59.6 29.4 88.3
134 20.7 11.3 33.8



#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

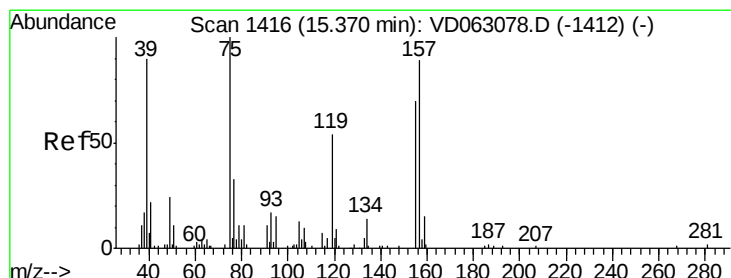
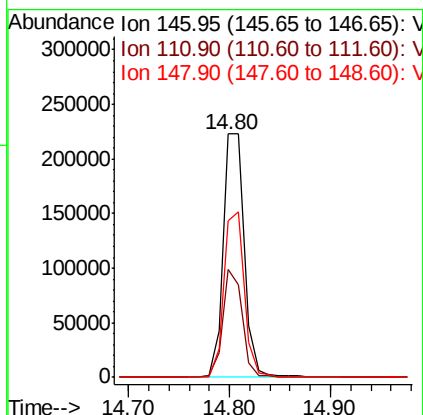
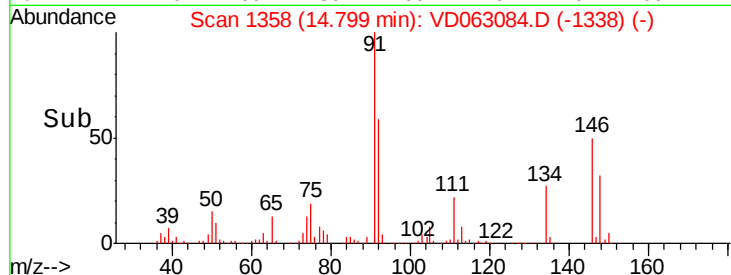
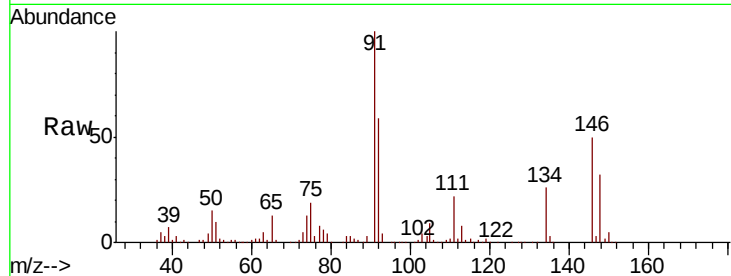




#91
 1,2-Dichlorobenzene
 Concen: 19.822 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

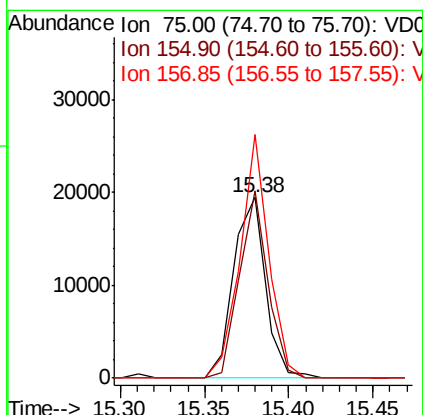
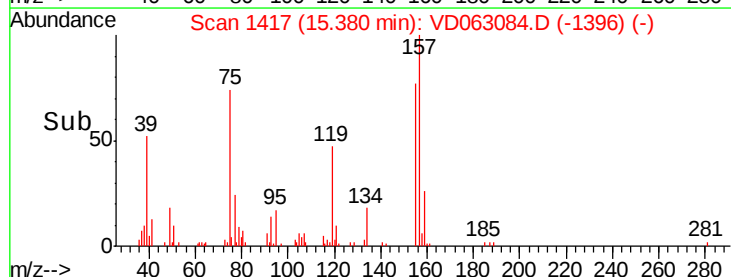
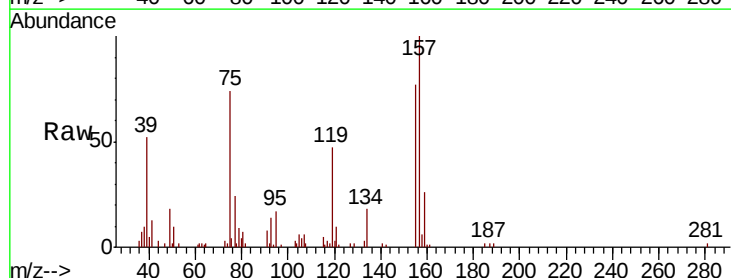
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

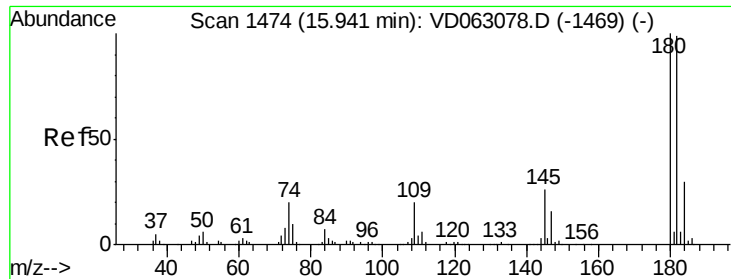
Tot Ion:146 Resp: 324525
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.9 65.5
 148 64.5 31.5 94.5



#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#

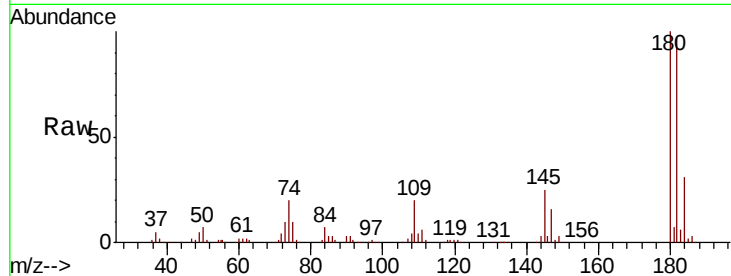




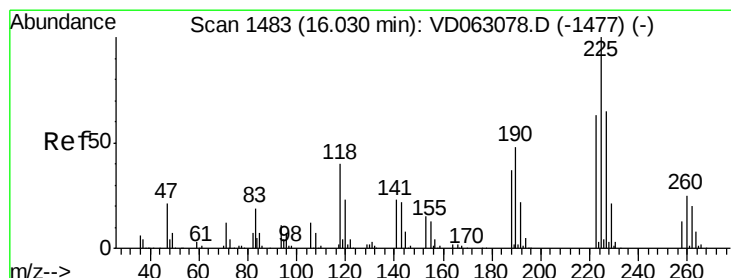
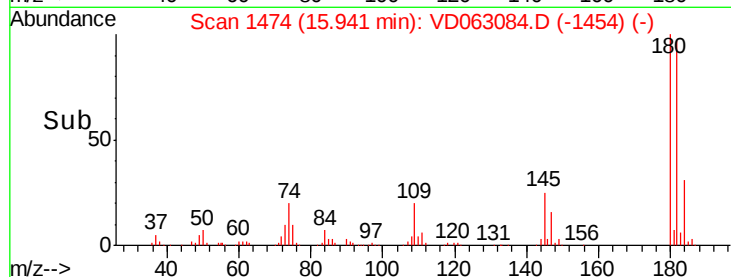
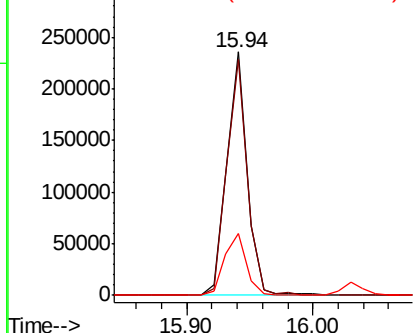
#93
 1,2,4-Trichlorobenzene
 Concen: 21.290 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Tot Ion:180 Resp: 261869
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.5 148.3
 145 25.4 12.8 38.4

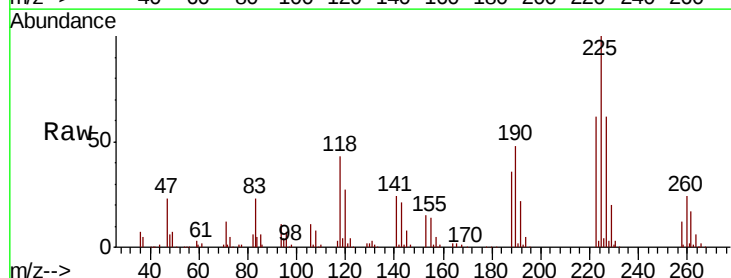


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

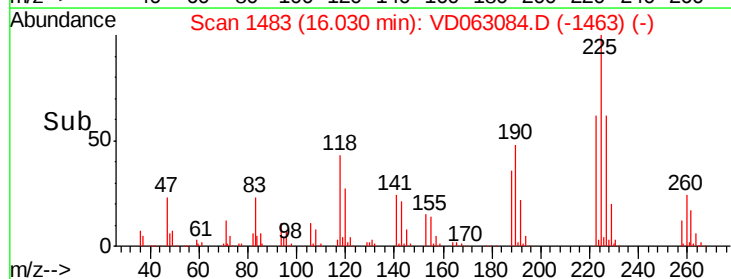
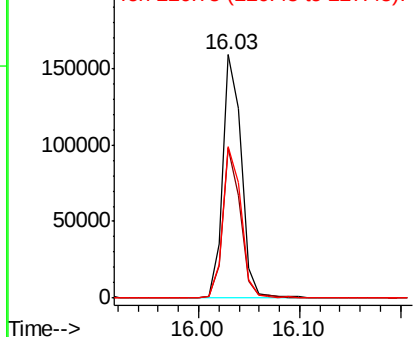


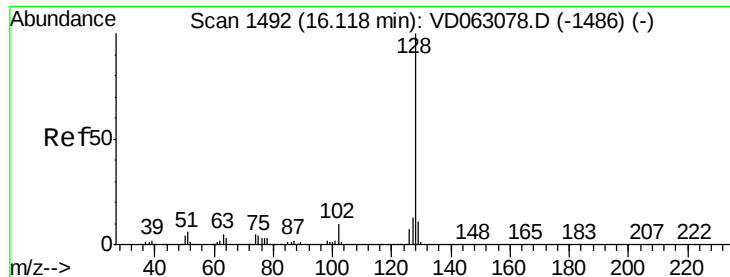
#94
 Hexachlorobutadiene
 Concen: 22.586 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD063084.D
 Acq: 15 Jul 2019 16:54

Tgt Ion:225 Resp: 204775
 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

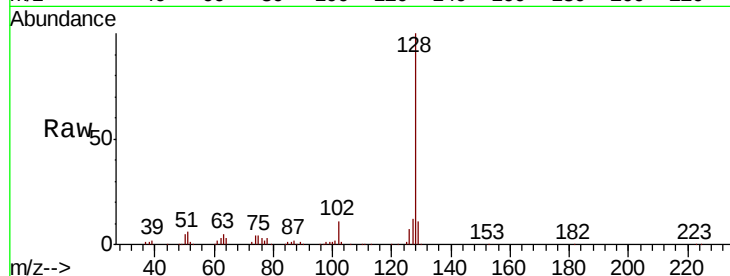
Tot Ion:128 Resp: 372195

Ion Ratio Lower Upper

128 100

127 11.5 10.7 16.1

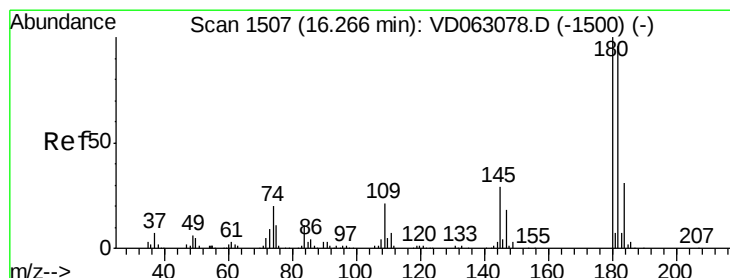
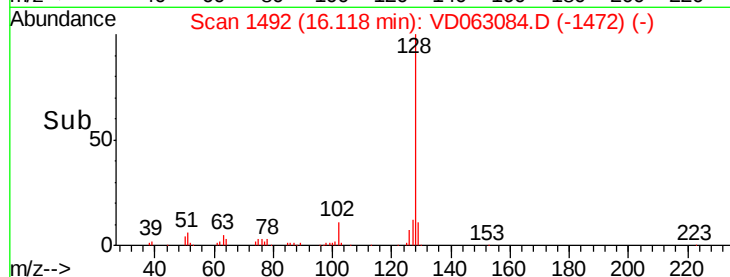
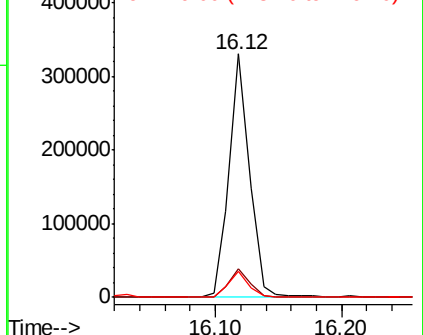
129 10.8 8.7 13.1



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

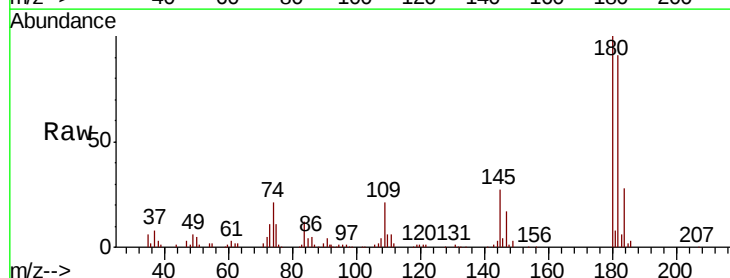
Tgt Ion:180 Resp: 196573

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

