

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063102.D
 Acq On : 16 Jul 2019 13:16
 Operator : VA/AP
 Sample : VD0716SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Quant Time: Jul 17 07:34:57 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	7.04	168	724518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1000144	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	823643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	452084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	456070	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	6.92	113	484723	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	10.39	98	998997	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	13.55	95	462941	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	185376	22.351	ug/l	93
3) Chloromethane	1.74	50	151301	21.110	ug/l	90
4) Vinyl Chloride	1.84	62	151783	19.629	ug/l	98
5) Bromomethane	2.14	94	60551	18.472	ug/l	91
6) Chloroethane	2.25	64	67950	18.917	ug/l	95
7) Trichlorofluoromethane	2.52	101	309630	19.780	ug/l	98
8) Diethyl Ether	2.86	74	45272	20.560	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.13	101	168943	18.717	ug/l	96
10) Methyl Iodide	3.28	142	223263	20.148	ug/l	95
11) Tert butyl alcohol	4.07	59	50118	96.222	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	130040	20.288	ug/l	96
13) Acrolein	3.02	56	20286	129.043	ug/l	95
14) Allyl chloride	3.60	41	198485	19.704	ug/l	96
15) Acrylonitrile	4.18	53	123958	107.662	ug/l	98
16) Acetone	3.22	43	194433	89.195	ug/l	95
17) Carbon Disulfide	3.35	76	345863	18.852	ug/l	98
18) Methyl Acetate	3.64	43	97918	31.761	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	327043	20.213	ug/l	94
20) Methylene Chloride	3.80	84	155462	18.877	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	148302	20.843	ug/l	89
22) Diisopropyl ether	5.11	45	455869	20.814	ug/l #	94
23) Vinyl Acetate	5.04	43	1262040	98.768	ug/l	99
24) 1,1-Dichloroethane	4.97	63	282518	20.941	ug/l	97
25) 2-Butanone	6.06	43	201712	96.903	ug/l	97
26) 2,2-Dichloropropane	6.00	77	294654	19.734	ug/l	94
27) cis-1,2-Dichloroethene	6.01	96	164958	20.380	ug/l	96
28) Bromochloromethane	6.42	49	96206	19.656	ug/l #	92
29) Tetrahydrofuran	6.44	42	90696	96.117	ug/l	95
30) Chloroform	6.65	83	349349	21.026	ug/l	99
31) Cyclohexane	6.94	56	166392	19.366	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	326101	19.903	ug/l	97
36) 1,1-Dichloropropene	7.12	75	213771	19.005	ug/l	96
37) Ethyl Acetate	6.17	43	115153	23.920	ug/l #	88
38) Carbon Tetrachloride	7.09	117	303445	17.753	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	186327	19.160	ug/l	93
40) Benzene	7.44	78	487325	20.685	ug/l	97
41) Methacrylonitrile	6.43	41	131767	20.189	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	250616	19.967	ug/l	97
43) Isopropyl Acetate	9.23	43	129637	18.787	ug/l #	99
44) Trichloroethene	8.52	130	182908	20.089	ug/l	97
45) 1,2-Dichloropropane	8.93	63	123533	21.031	ug/l	90
46) Dibromomethane	9.05	93	101227	20.055	ug/l	95
47) Bromodichloromethane	9.36	83	263983	20.042	ug/l	100
48) Methyl methacrylate	9.11	41	93059	20.537	ug/l	97
49) 1,4-Dioxane	9.06	88	16340	418.124	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	484940	105.961	ug/l	99
52) Toluene	10.50	92	317884	20.206	ug/l	90
53) t-1,3-Dichloropropene	10.90	75	234624	20.792	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	246416	21.119	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	111910	20.584	ug/l	96
56) Ethyl methacrylate	11.03	69	112385	18.501	ug/l	96
57) 1,3-Dichloropropane	11.40	76	163815	19.802	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.84	63	310550	91.817	ug/l	95
59) 2-Hexanone	11.52	43	337972	95.756	ug/l	93
60) Dibromochloromethane	11.67	129	204393	19.613	ug/l	96
61) 1,2-Dibromoethane	11.79	107	132768	20.402	ug/l	91
64) Tetrachloroethene	11.25	164	171274	21.430	ug/l	94
65) Chlorobenzene	12.39	112	396294	20.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	193210	21.524	ug/l	97
67) Ethyl Benzene	12.52	91	730022	21.700	ug/l	97
68) m/p-Xylenes	12.66	106	486446	40.372	ug/l	92
69) o-Xylene	13.04	106	209444	18.332	ug/l	89
70) Styrene	13.06	104	385200	19.261	ug/l	99
71) Bromoform	13.23	173	129142	20.549	ug/l	99
73) Isopropylbenzene	13.39	105	671016	19.220	ug/l	96
74) N-amyl acetate	13.26	43	177624	18.242	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	123420	19.429	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	142665	20.514	ug/l	97
77) Bromobenzene	13.66	156	195730	19.769	ug/l	91
78) n-propylbenzene	13.77	91	789124	19.641	ug/l	98
79) 2-Chlorotoluene	13.83	91	481067	19.803	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	619011	20.343	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	38659	21.110	ug/l	93
82) 4-Chlorotoluene	13.94	91	597727	21.071	ug/l	89
83) tert-Butylbenzene	14.18	119	663697	19.290	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	607695	20.032	ug/l	99
85) sec-Butylbenzene	14.36	105	715903	19.584	ug/l	97
86) p-Isopropyltoluene	14.49	119	654007	19.178	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	351570	19.884	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	372798	21.993	ug/l	95
89) n-Butylbenzene	14.79	91	591268	18.811	ug/l	99
90) Hexachloroethane	15.00	117	177974	19.523	ug/l	76
91) 1,2-Dichlorobenzene	14.80	146	311999	19.816	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	21698	17.821	ug/l	79

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QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

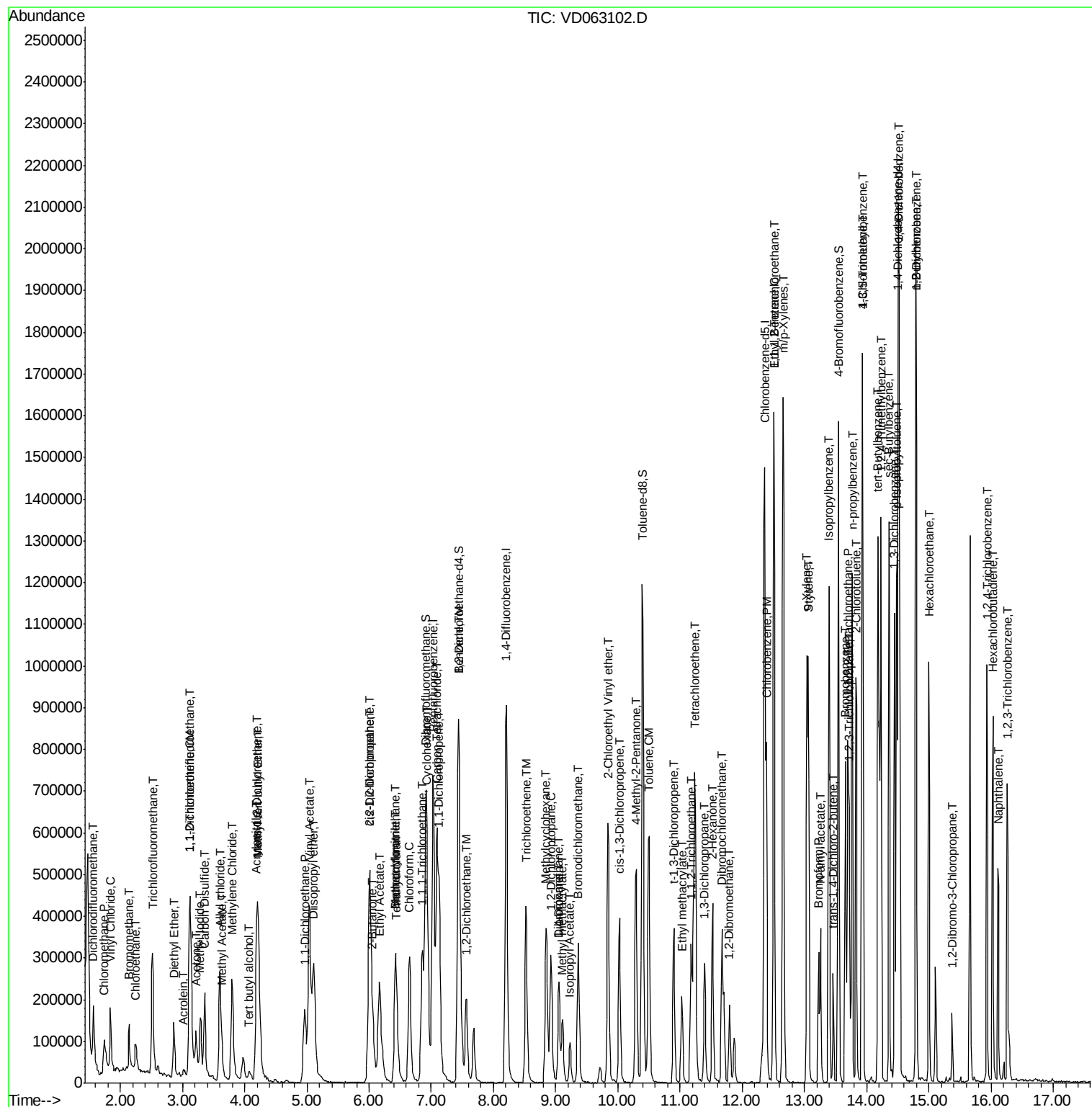
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	243743	20.606	ug/l	97
94) Hexachlorobutadiene	16.03	225	148090	16.985	ug/l	96
95) Naphthalene	16.12	128	344056	19.884	ug/l	95
96) 1,2,3-Trichlorobenzene	16.26	180	182368	19.165	ug/l	97

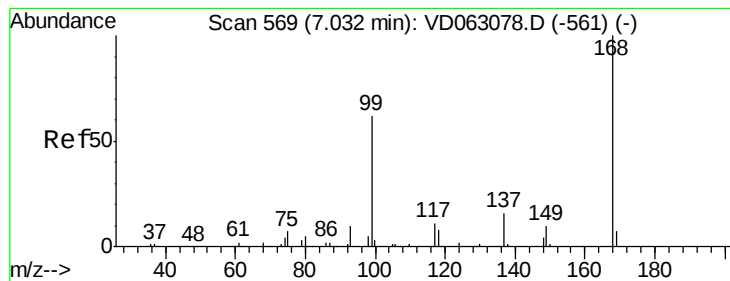
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

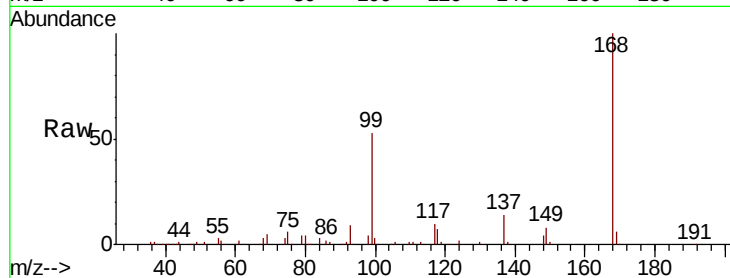
VD0716SBS02

Tot Ion:168 Resp: 724518

Ion Ratio Lower Upper

168 100

99 53.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

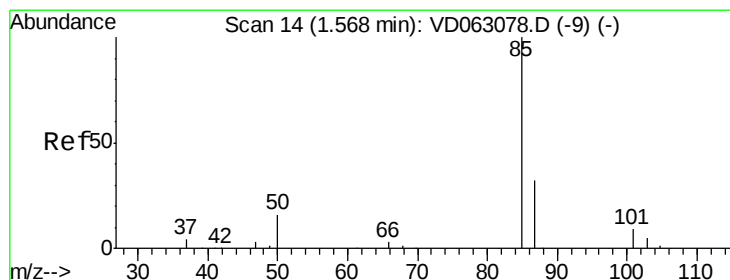
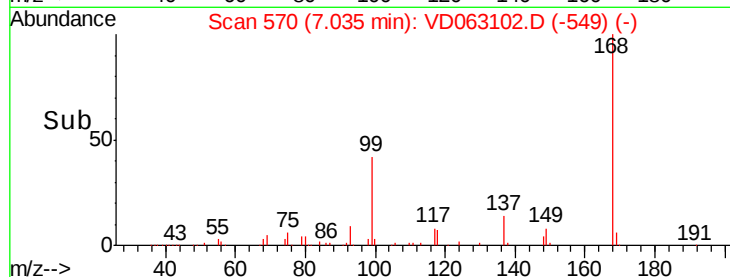
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.351 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063102.D

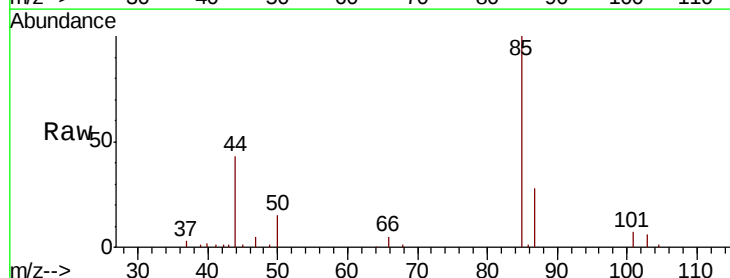
Acq: 16 Jul 2019 13:16

Tgt Ion: 85 Resp: 185376

Ion Ratio Lower Upper

85 100

87 27.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

100000

80000

60000

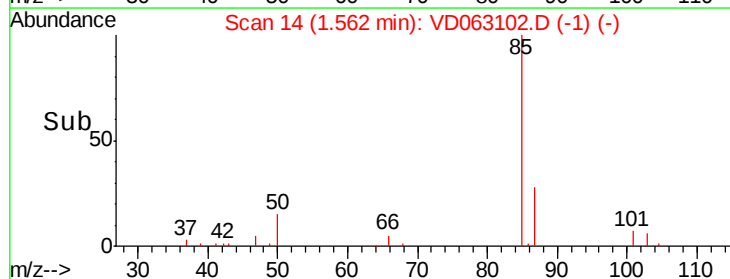
40000

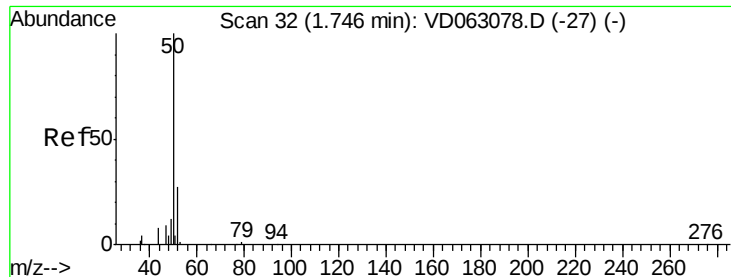
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.110 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

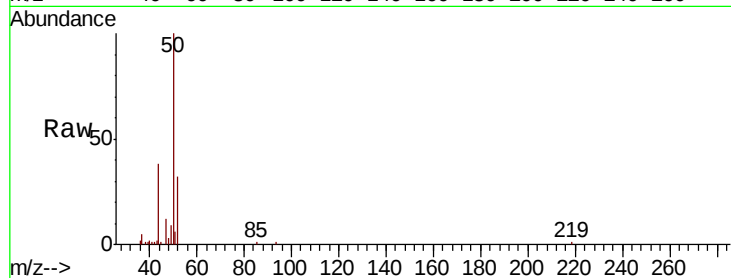
VD0716SBSD02

Tot Ion: 50 Resp: 151301

Ion Ratio Lower Upper

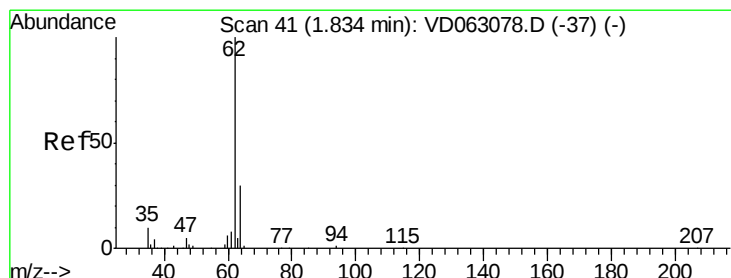
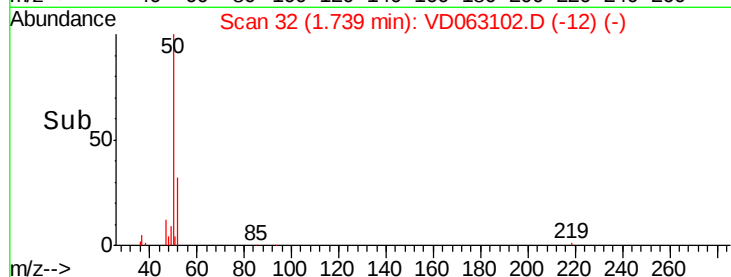
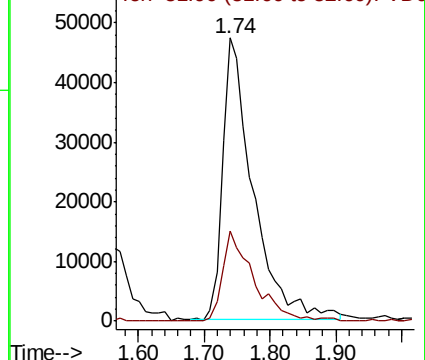
50 100

52 32.1 21.4 32.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.629 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063102.D

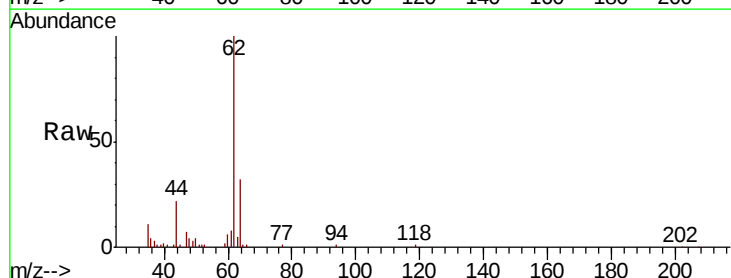
Acq: 16 Jul 2019 13:16

Tgt Ion: 62 Resp: 151783

Ion Ratio Lower Upper

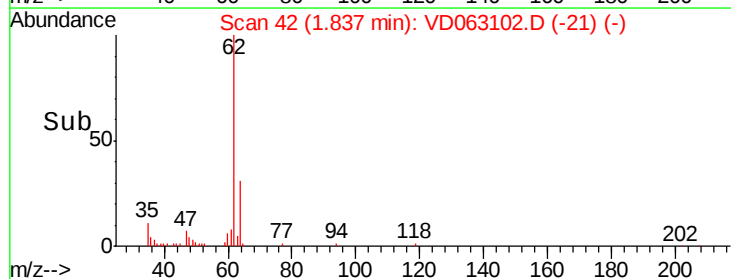
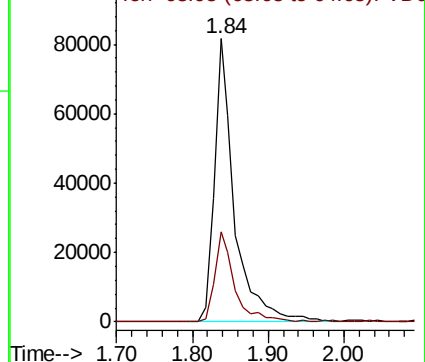
62 100

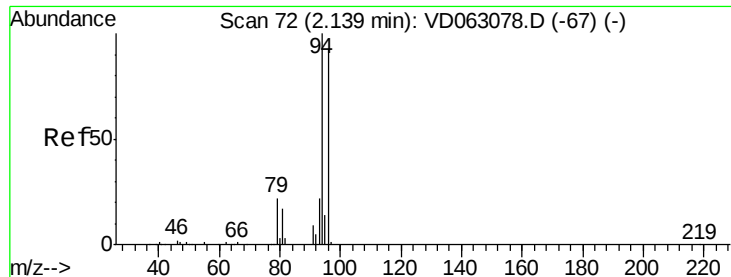
64 31.7 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.472 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

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ClientSampleId :

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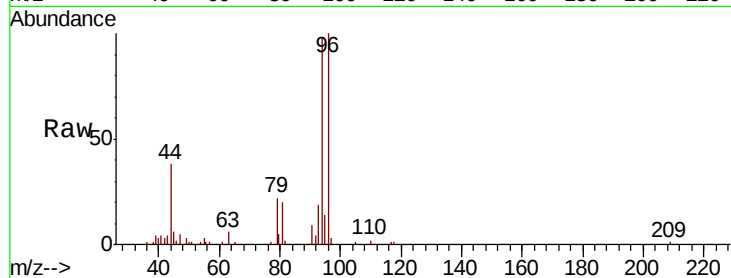
Tot Ion: 94 Resp: 60551

Ion Ratio Lower Upper

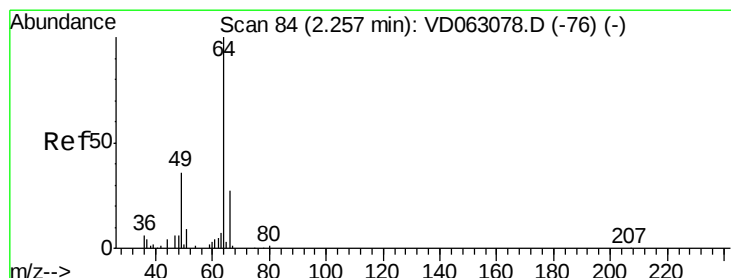
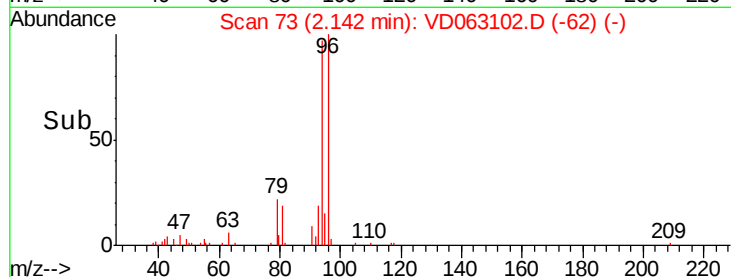
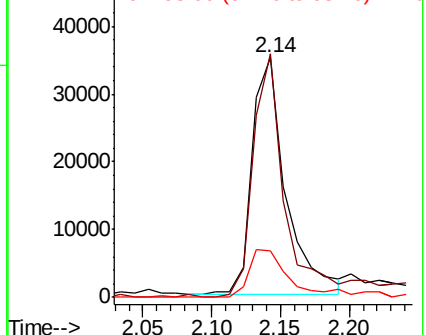
94 100

96 101.7 74.2 111.2

93 19.2 17.8 26.6



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



#6

Chloroethane

Concen: 18.917 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063102.D

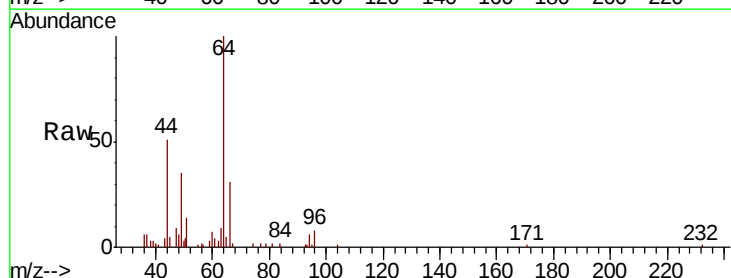
Acq: 16 Jul 2019 13:16

Tgt Ion: 64 Resp: 67950

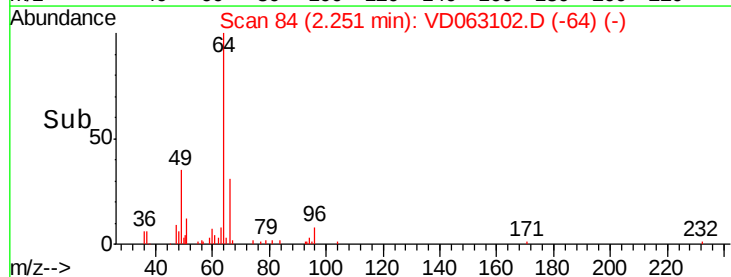
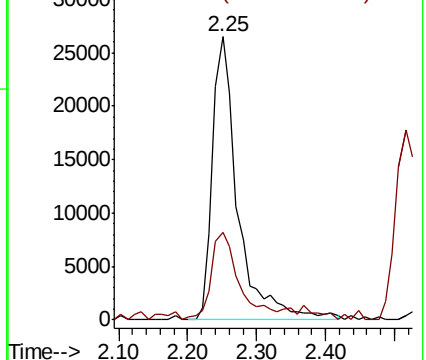
Ion Ratio Lower Upper

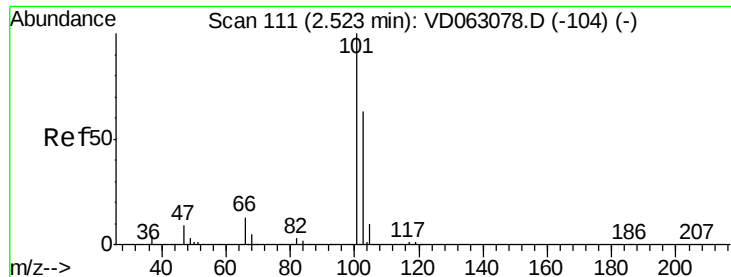
64 100

66 30.9 22.5 33.7



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



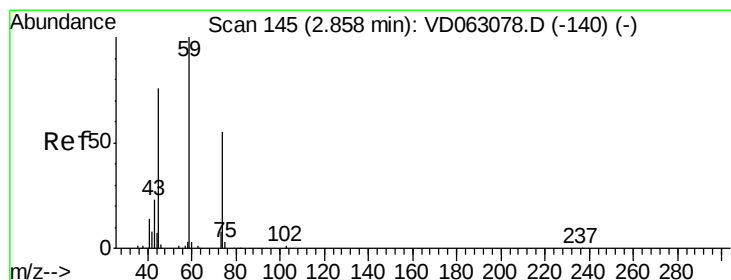
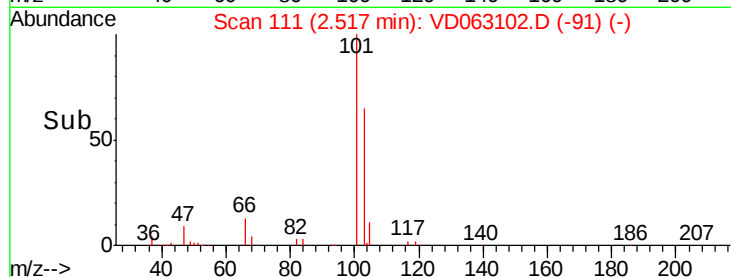
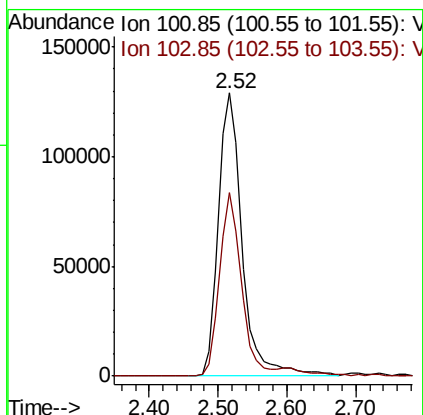
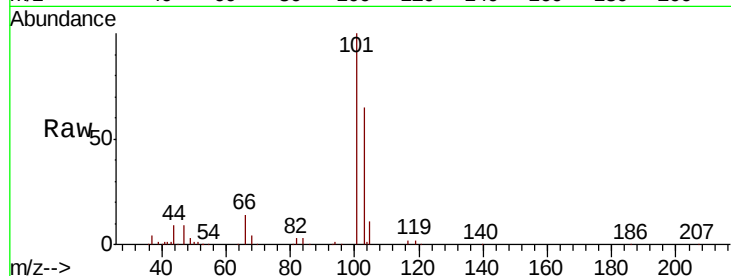


#7

Trichlorofluoromethane
 Concen: 19.780 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Instrument :
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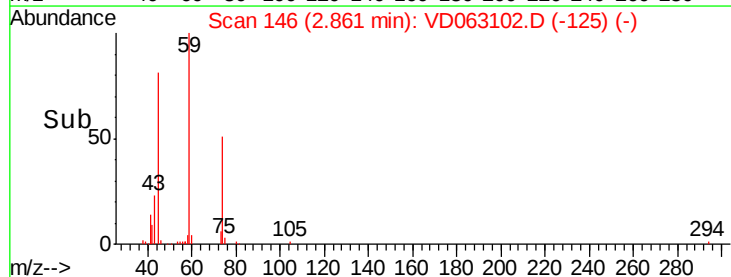
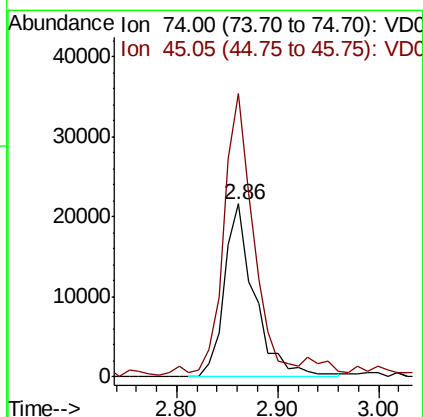
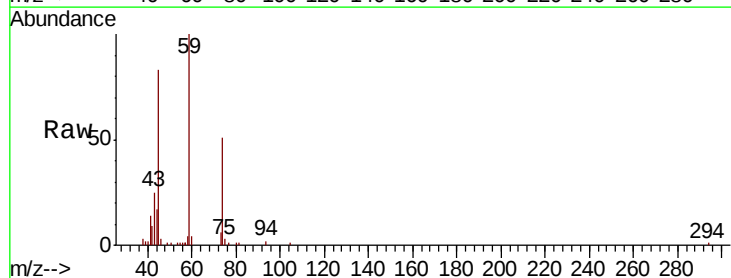
Tot Ion:101 Resp: 309630
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.6 76.0

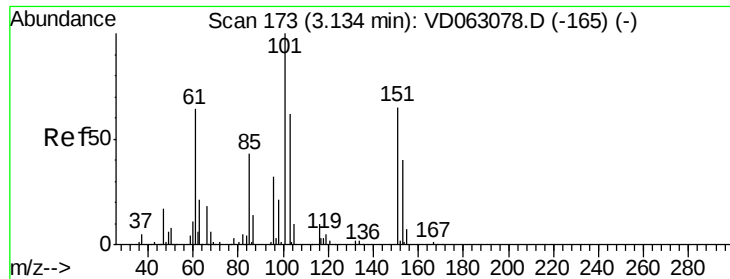


#8

Diethyl Ether
 Concen: 20.560 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 74 Resp: 45272
 Ion Ratio Lower Upper
 74 100
 45 163.6 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.717 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

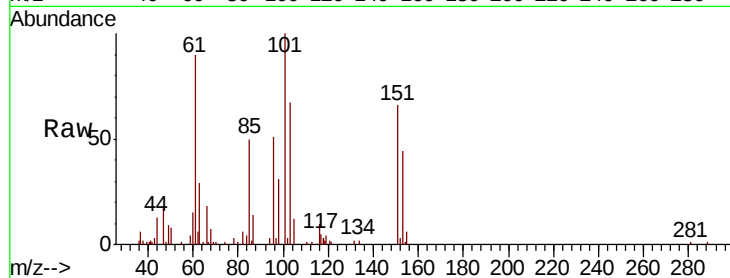
Tot Ion:101 Resp: 168943

Ion Ratio Lower Upper

101 100

85 49.5 34.6 51.8

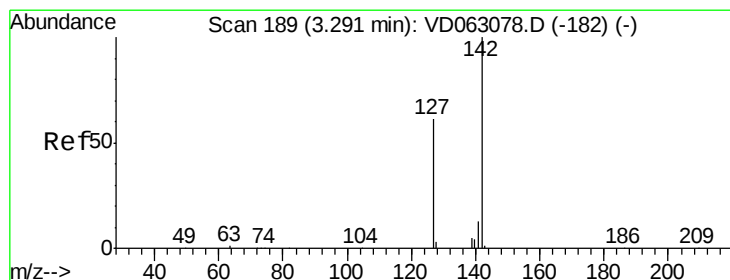
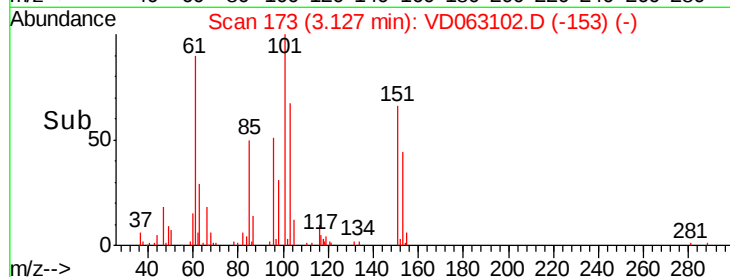
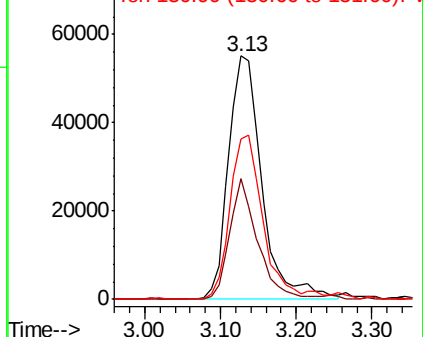
151 66.1 52.4 78.6



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: 20.148 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

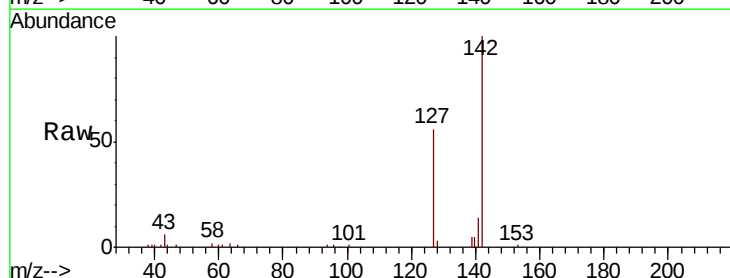
Tgt Ion:142 Resp: 223263

Ion Ratio Lower Upper

142 100

127 56.1 48.6 73.0

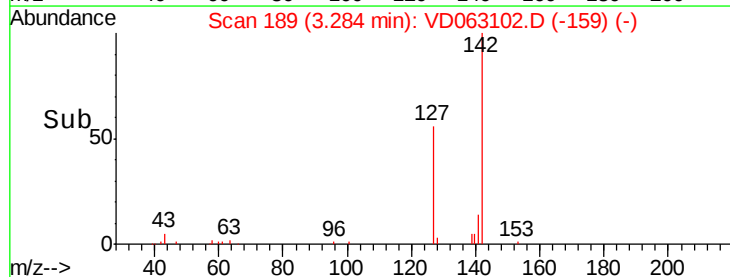
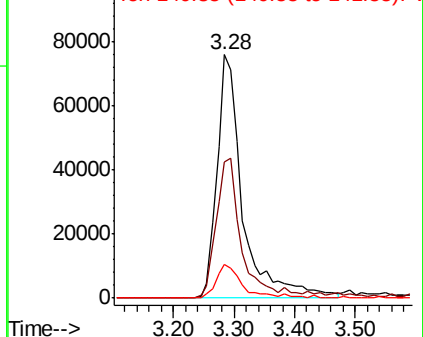
141 13.8 10.6 16.0

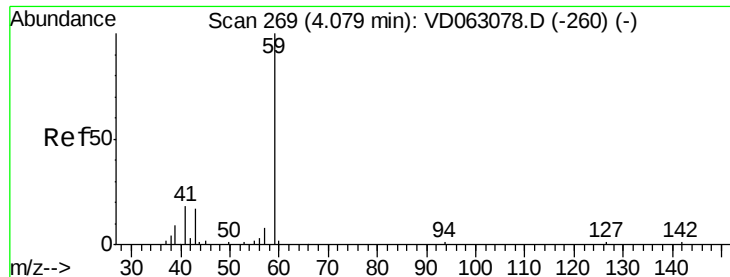


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

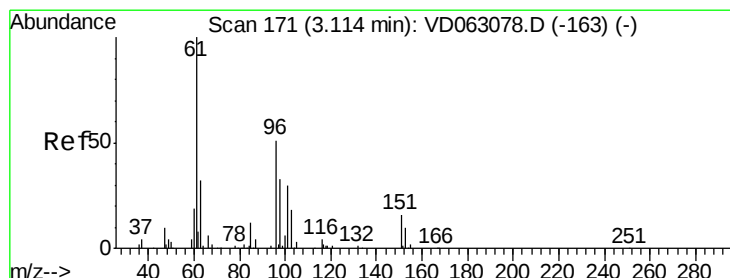
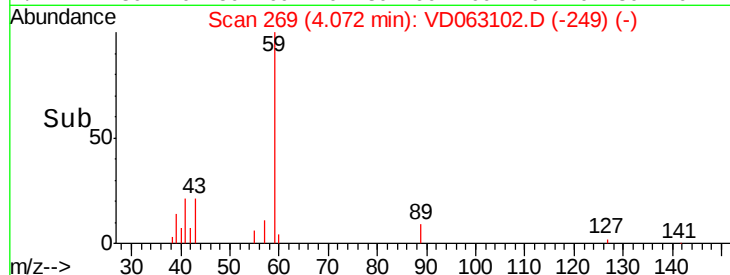
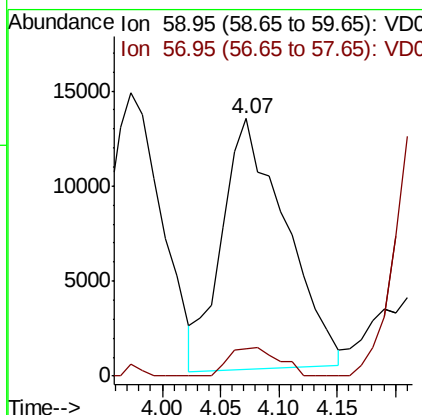
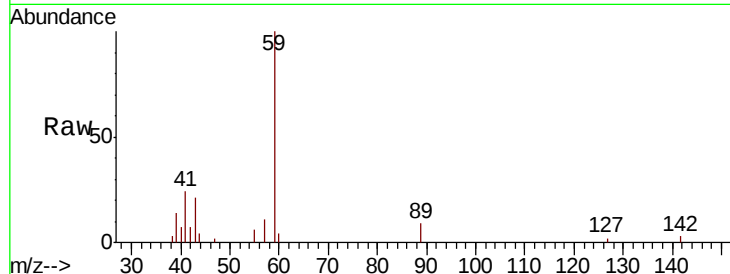




#11
Tert butyl alcohol
Concen: 96.222 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

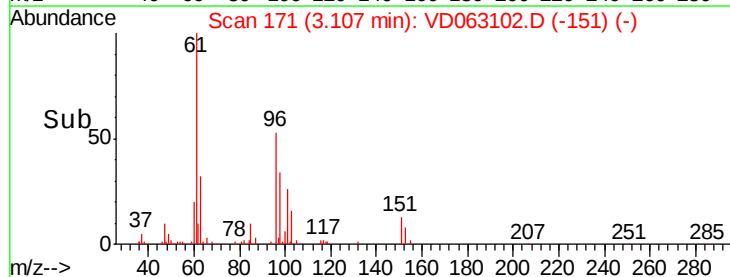
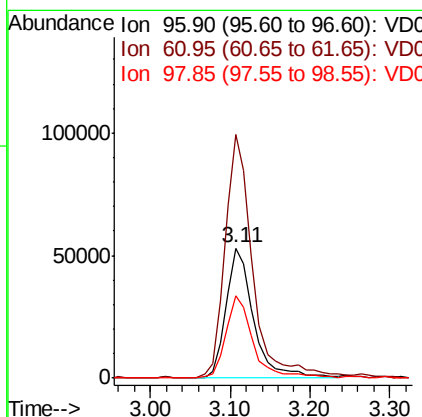
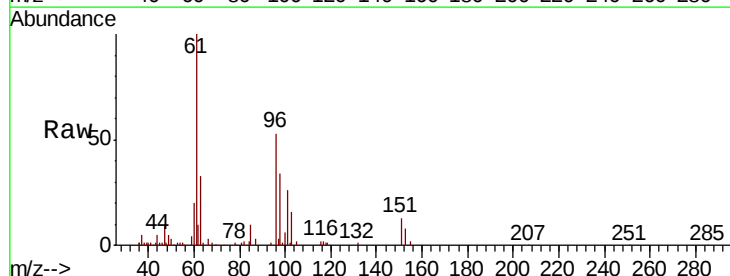
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

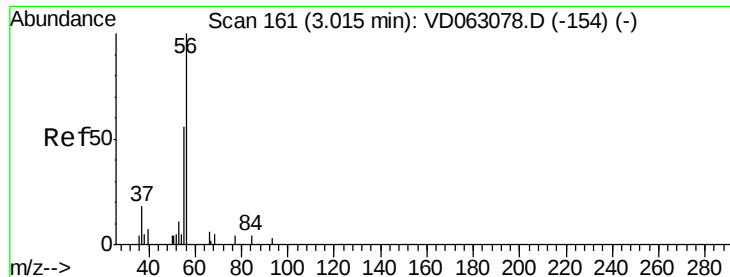
Tot Ion: 59 Resp: 50118
Ion Ratio Lower Upper
59 100
57 10.6 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 20.288 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 96 Resp: 130040
Ion Ratio Lower Upper
96 100
61 187.4 155.5 233.3
98 63.3 51.5 77.3





#13

Acrolein

Concen: 129.043 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

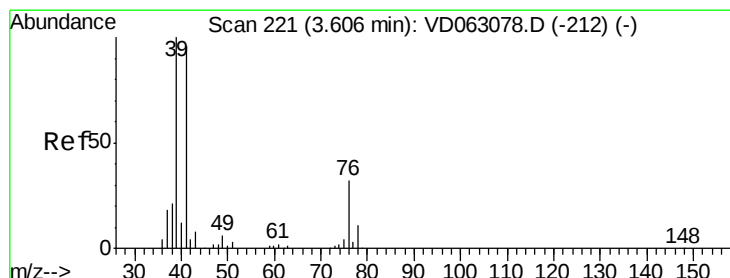
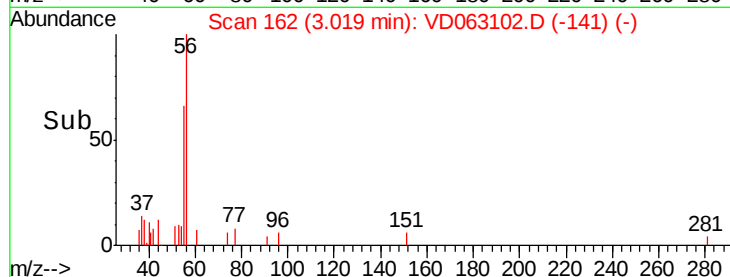
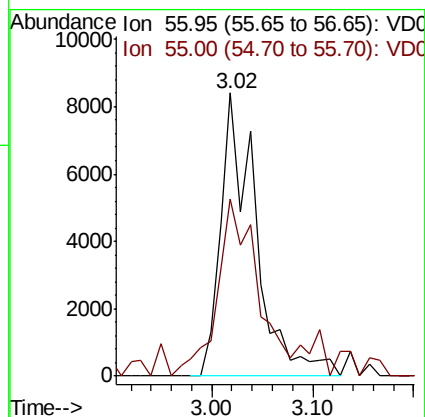
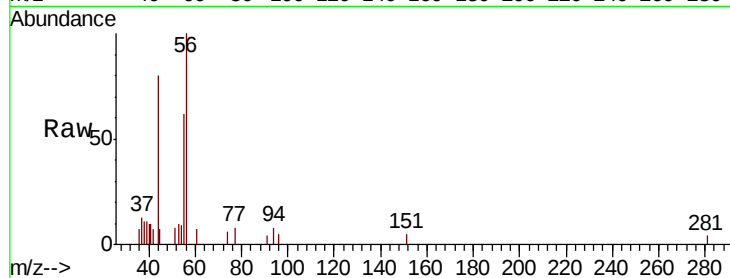
VD0716SBS02

Tot Ion: 56 Resp: 20286

Ion Ratio Lower Upper

56 100

55 62.4 53.0 79.4



#14

Allyl chloride

Concen: 19.704 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

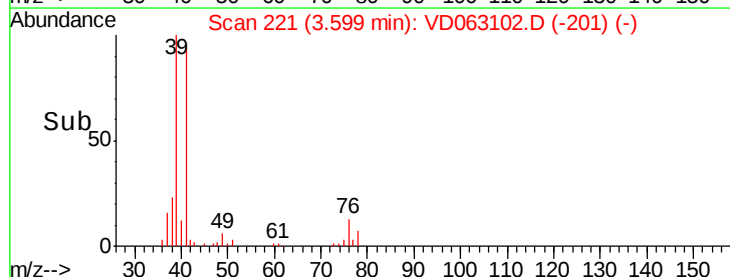
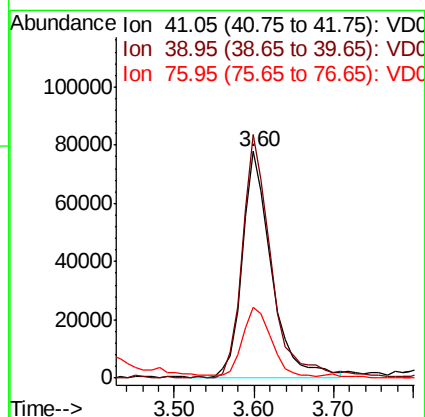
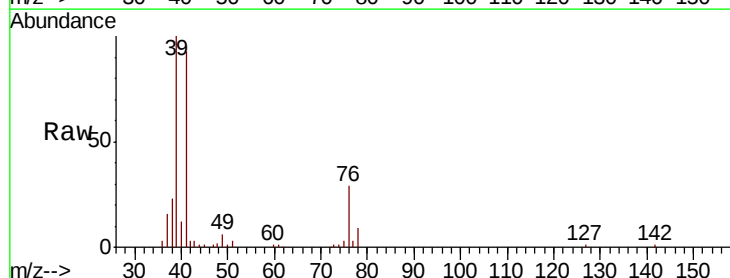
Tgt Ion: 41 Resp: 198485

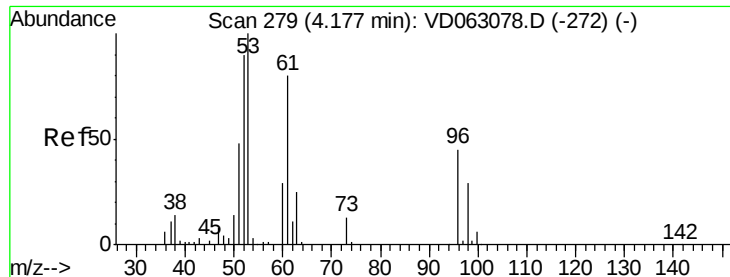
Ion Ratio Lower Upper

41 100

39 107.4 83.5 125.3

76 31.3 27.8 41.8





#15

Acrylonitrile

Concen: 107.662 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

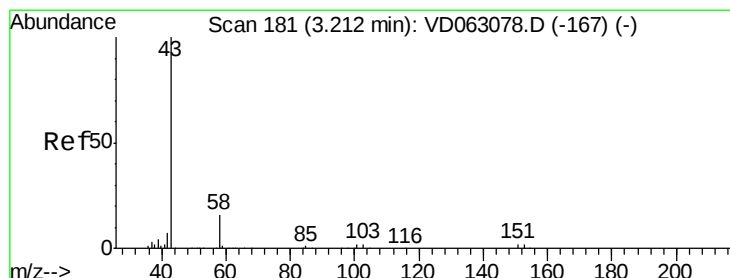
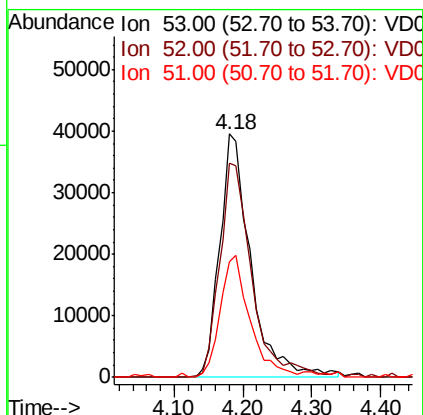
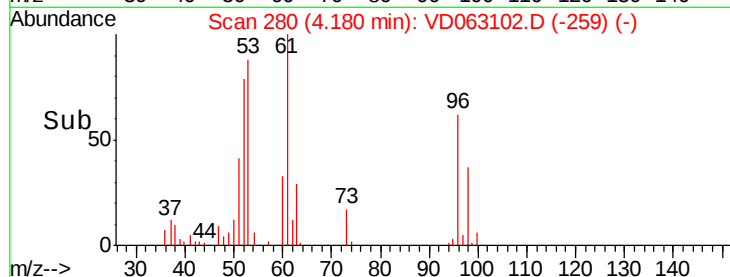
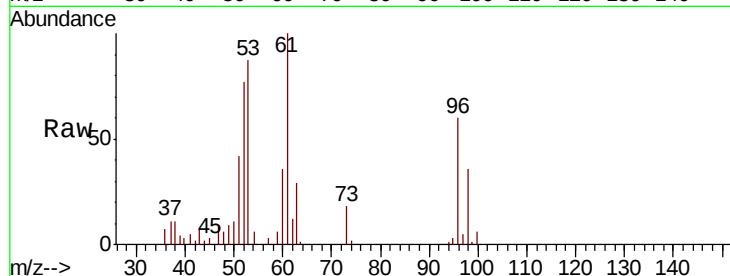
Tot Ion: 53 Resp: 123958

Ion Ratio Lower Upper

53 100

52 87.9 72.3 108.5

51 47.7 38.0 57.0



#16

Acetone

Concen: 89.195 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063102.D

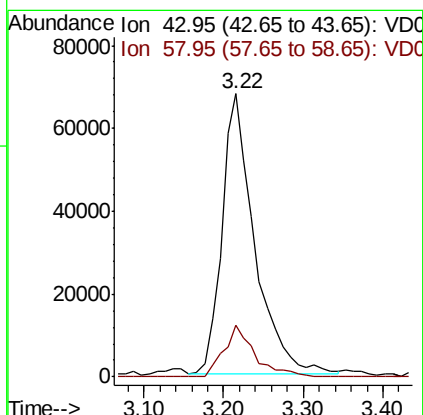
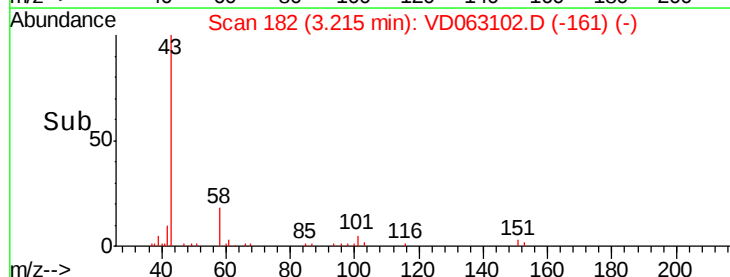
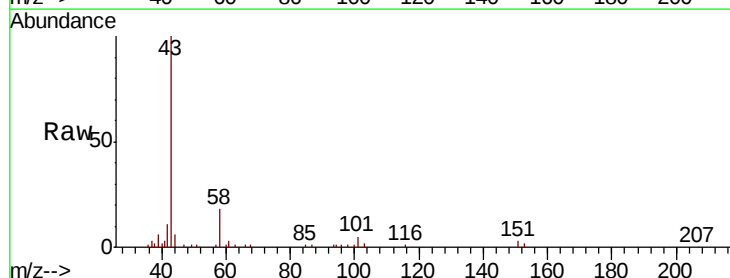
Acq: 16 Jul 2019 13:16

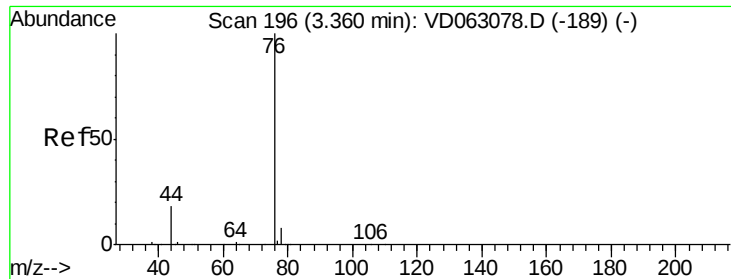
Tgt Ion: 43 Resp: 194433

Ion Ratio Lower Upper

43 100

58 18.2 13.0 19.4

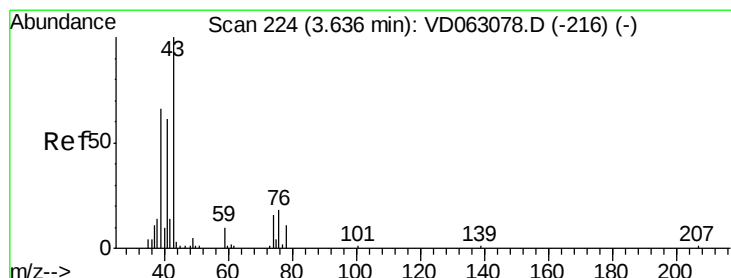
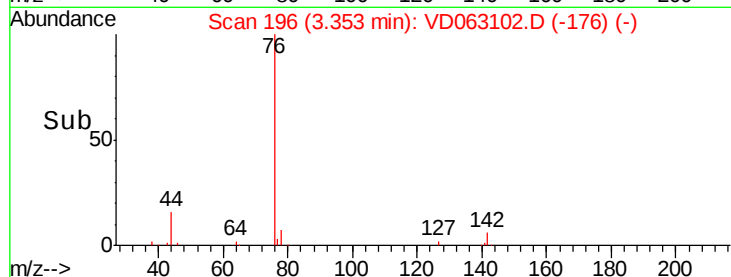
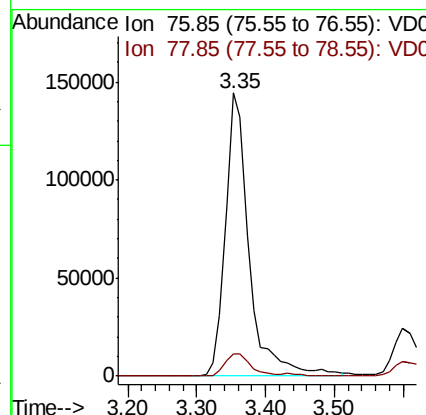
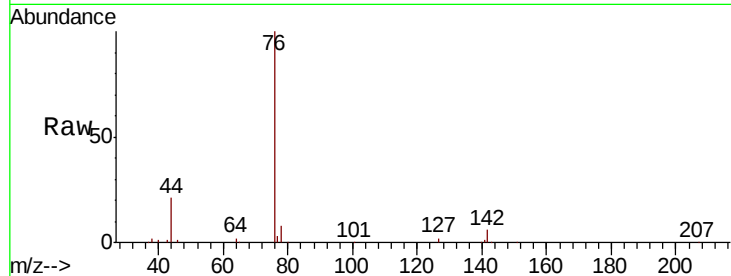




#17
Carbon Disulfide
Concen: 18.852 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

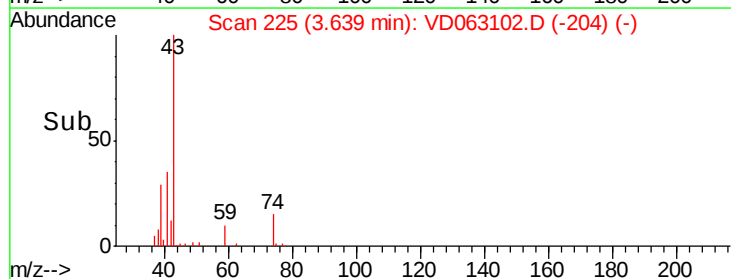
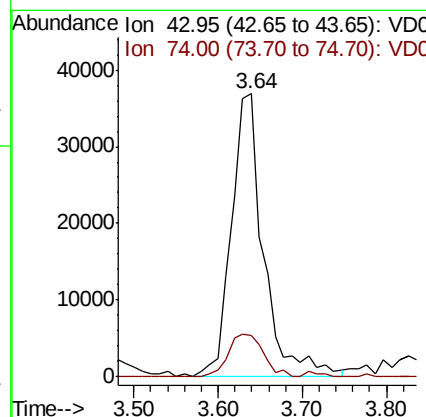
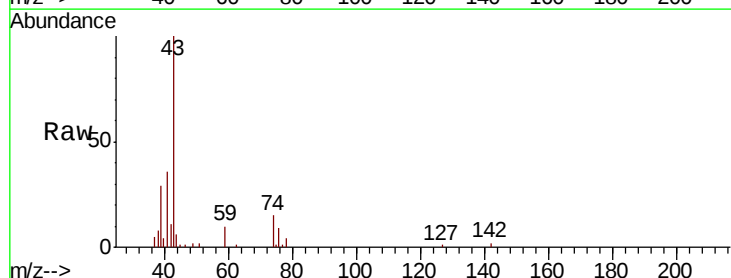
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD02

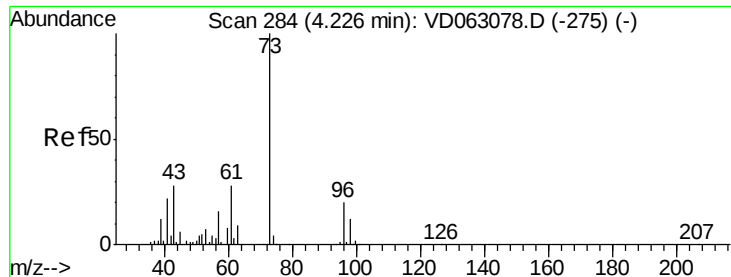
Tot Ion: 76 Resp: 345863
Ion Ratio Lower Upper
76 100
78 7.7 6.7 10.1



#18
Methyl Acetate
Concen: 31.761 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 43 Resp: 97918
Ion Ratio Lower Upper
43 100
74 14.6 12.5 18.7

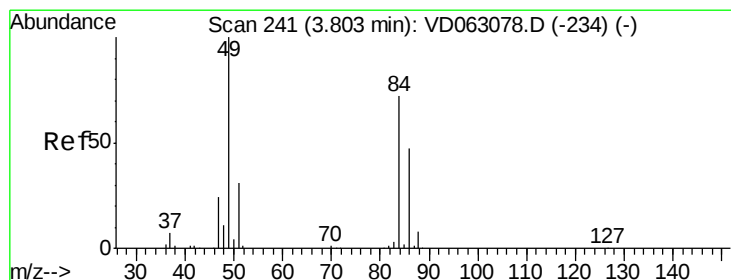
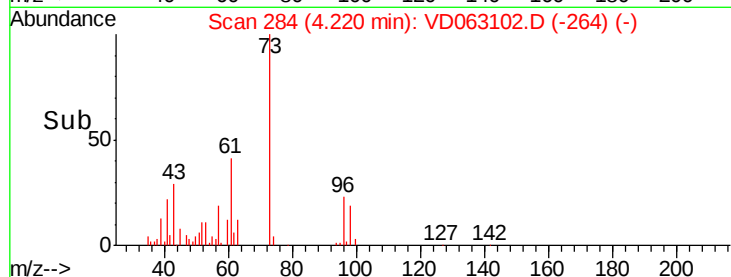
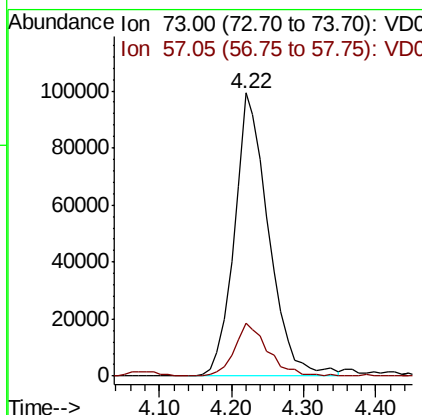
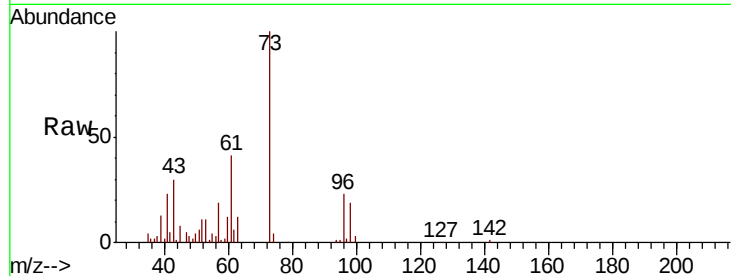




#19
Methyl tert-butyl Ether
Concen: 20.213 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

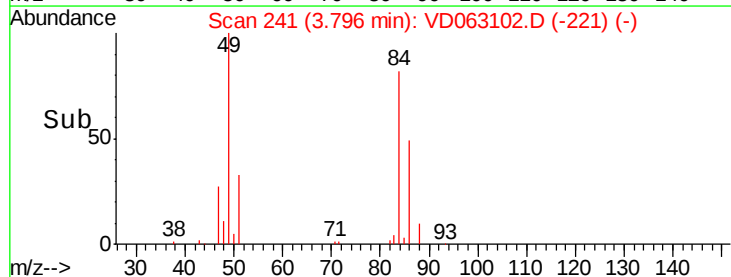
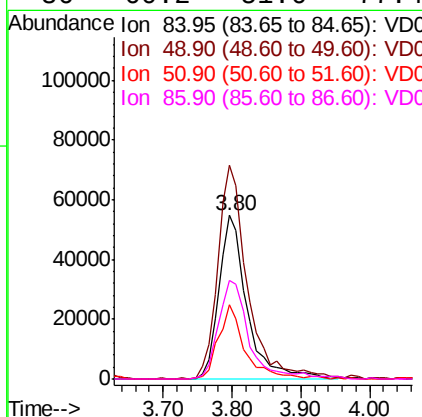
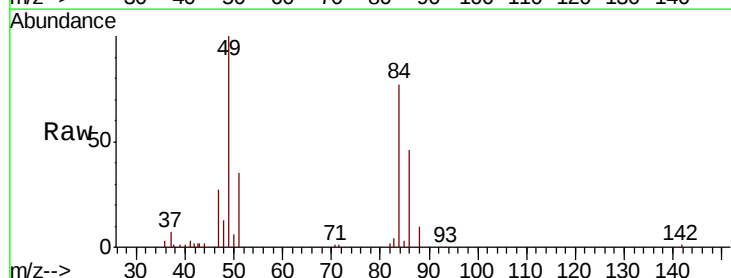
Instrument :
MSVOA_D
ClientSampleID :
VD0716SBS02

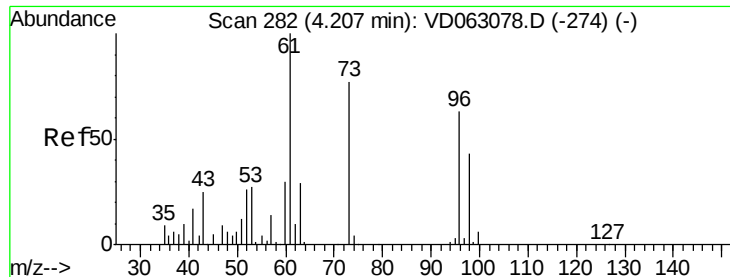
Tot Ion: 73 Resp: 327043
Ion Ratio Lower Upper
73 100
57 18.9 13.1 19.7



#20
Methylene Chloride
Concen: 18.877 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 84 Resp: 155462
Ion Ratio Lower Upper
84 100
49 130.5 110.5 165.7
51 45.1 34.6 51.8
86 60.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.843 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD02

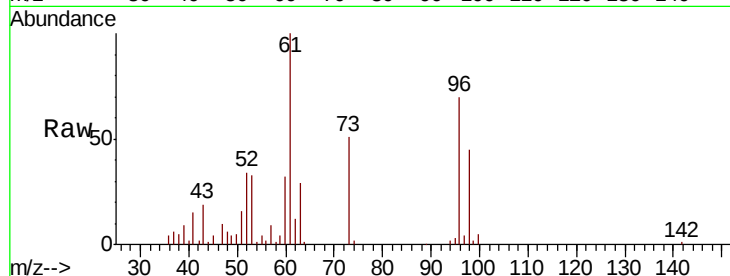
Tot Ion: 96 Resp: 148302

Ion Ratio Lower Upper

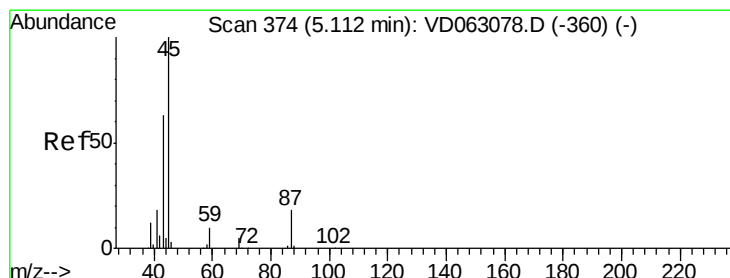
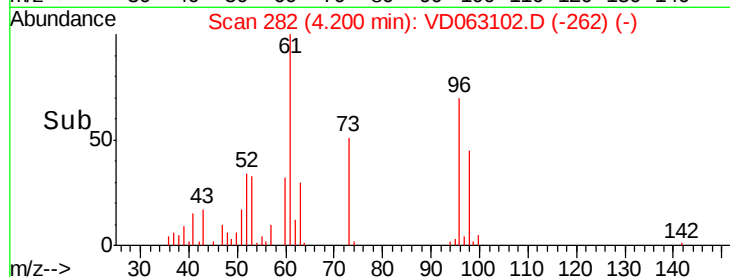
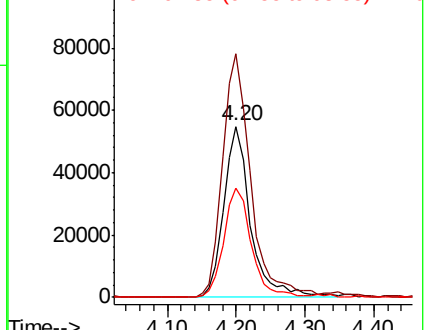
96 100

61 142.5 128.0 192.0

98 64.0 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: 20.814 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Tgt Ion: 45 Resp: 455869

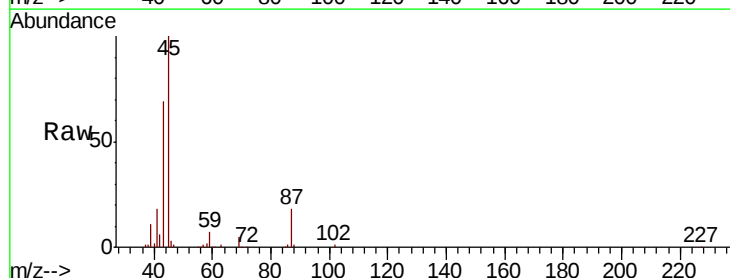
Ion Ratio Lower Upper

45 100

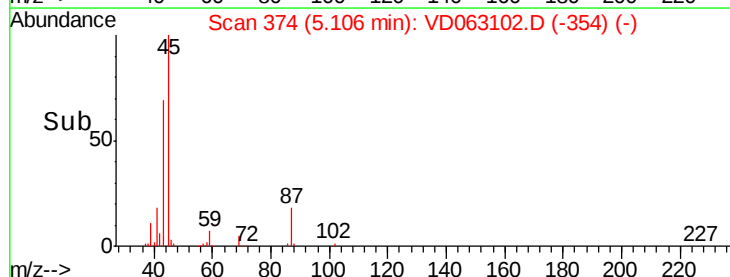
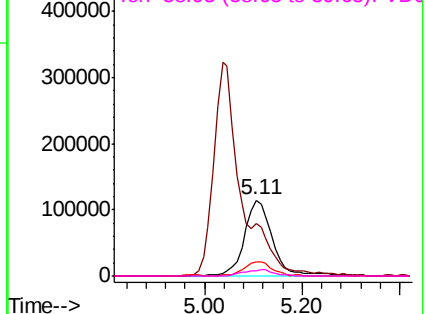
43 68.9 50.5 75.7

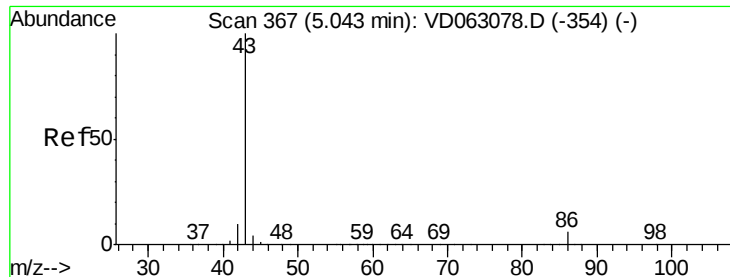
87 18.5 15.1 22.7

59 7.0 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: 98.768 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

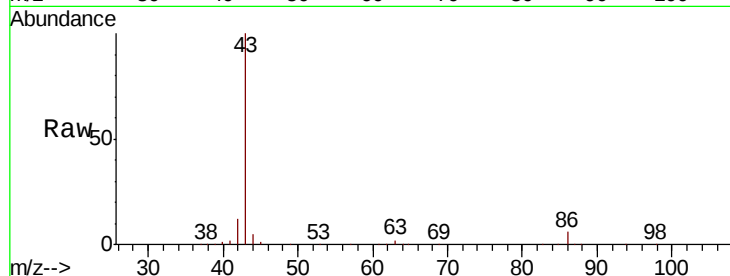
VD0716SBSD02

Tot Ion: 43 Resp: 1262040

Ion Ratio Lower Upper

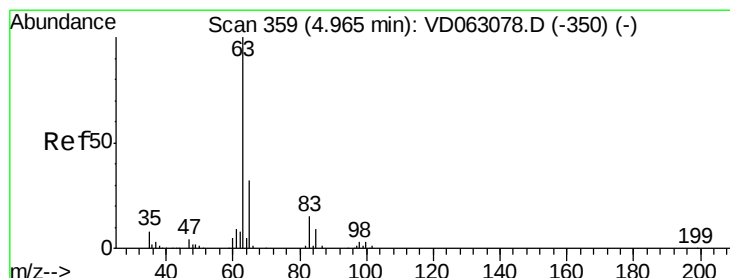
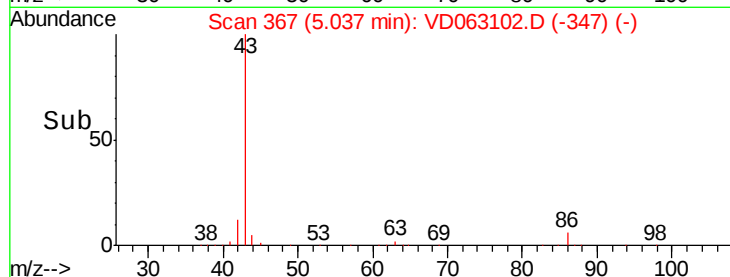
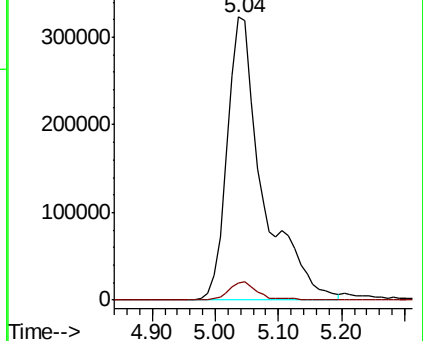
43 100

86 5.9 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.941 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

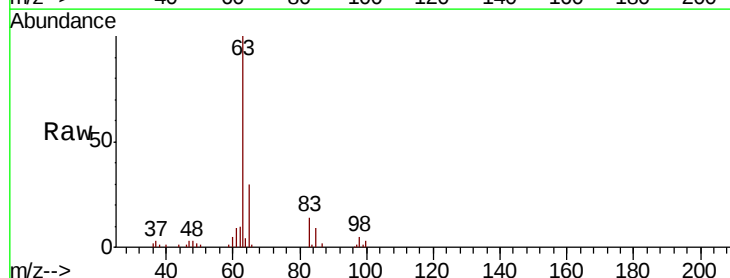
Tgt Ion: 63 Resp: 282518

Ion Ratio Lower Upper

63 100

98 4.9 1.7 5.1

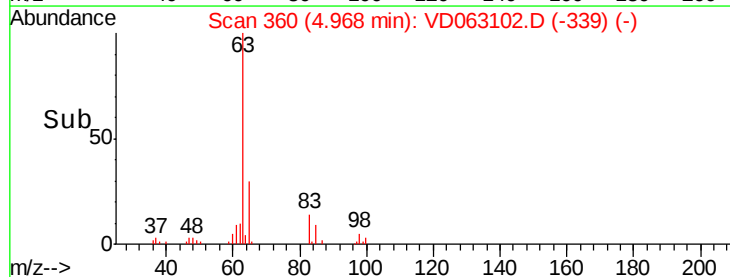
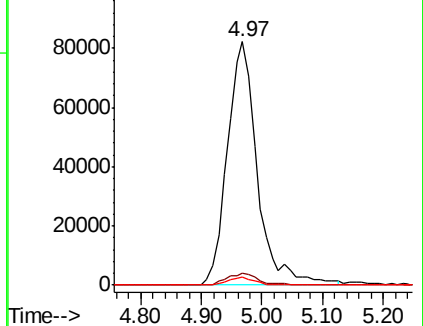
100 3.3 1.5 4.5

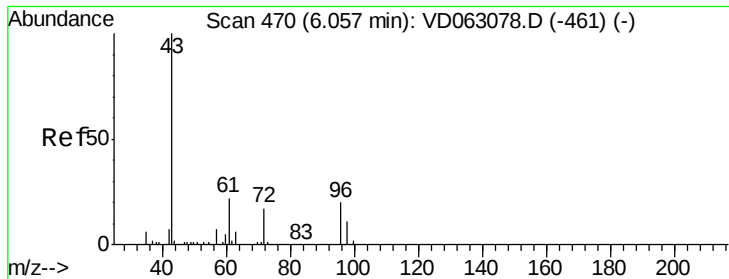


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.903 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

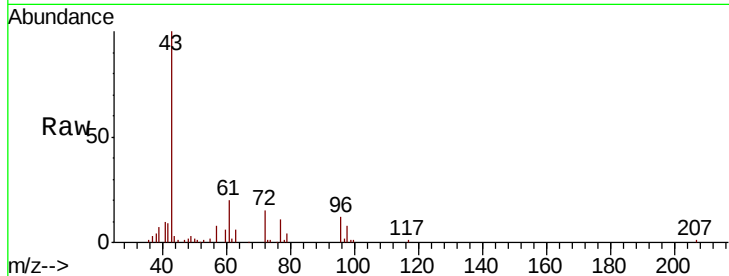
VD0716SBS02

Tot Ion: 43 Resp: 201712

Ion Ratio Lower Upper

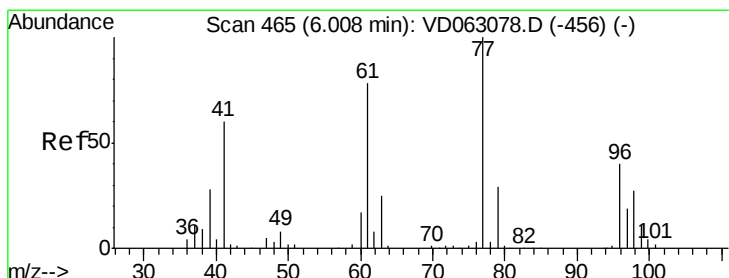
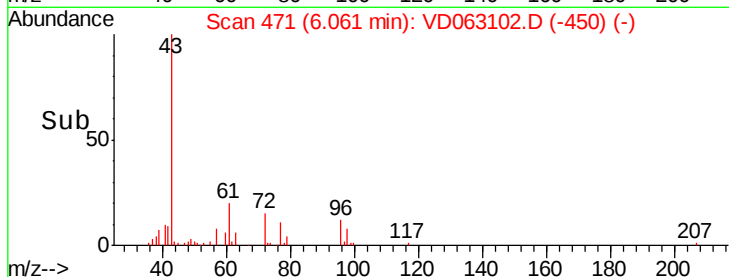
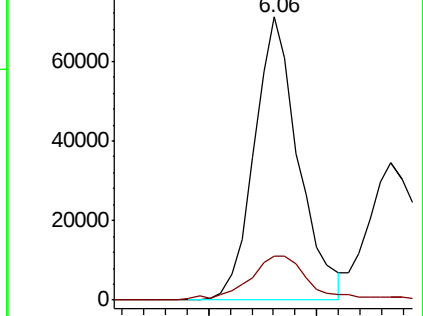
43 100

72 15.4 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: 19.734 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063102.D

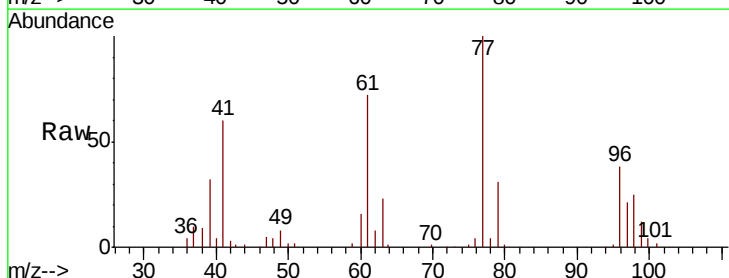
Acq: 16 Jul 2019 13:16

Tgt Ion: 77 Resp: 294654

Ion Ratio Lower Upper

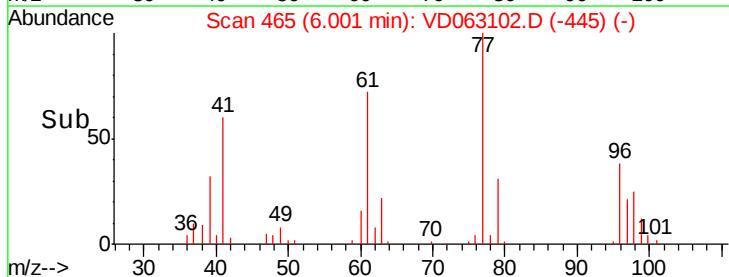
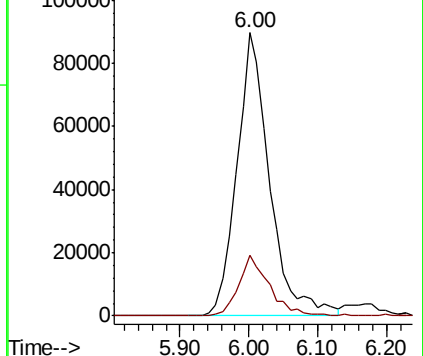
77 100

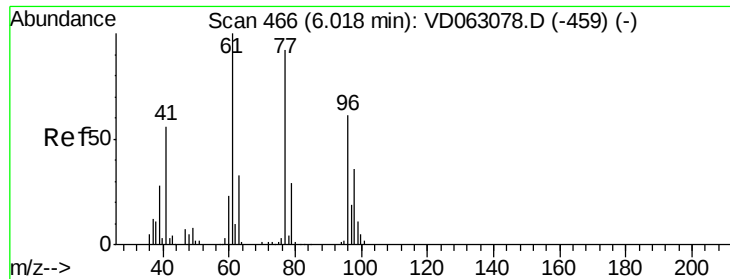
97 21.4 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



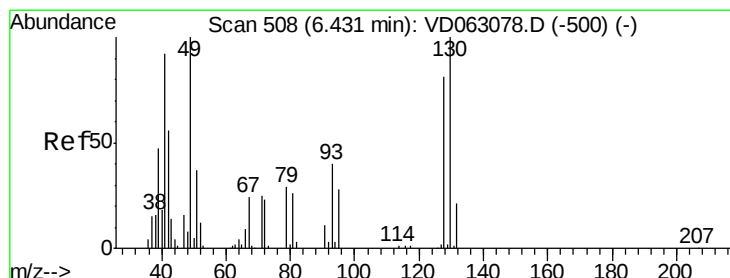
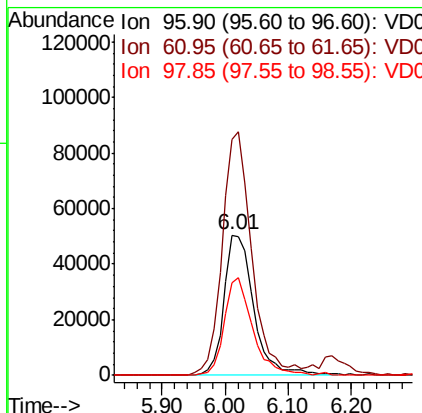
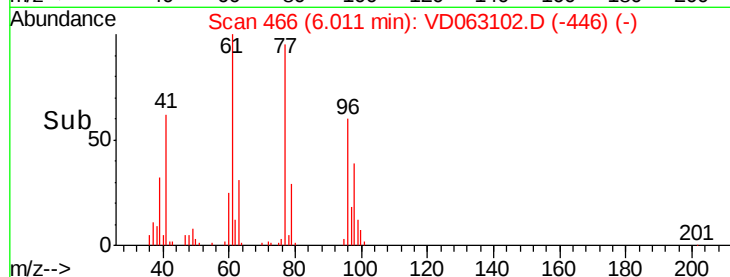
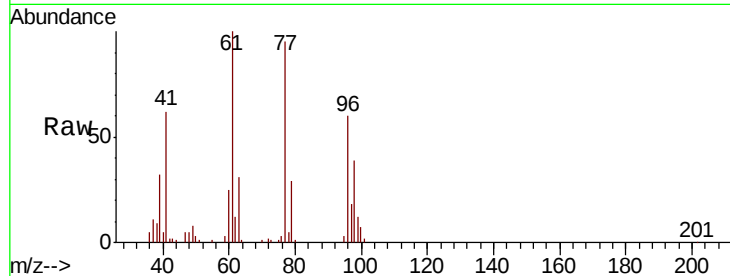


#27

cis-1,2-Dichloroethene
 Concen: 20.380 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

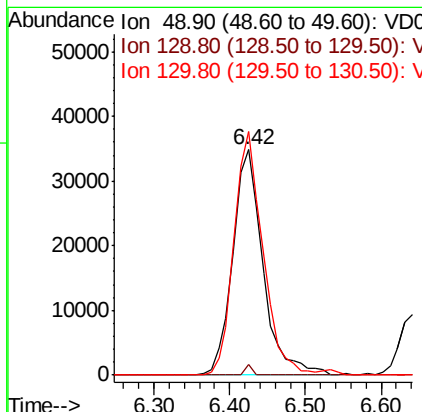
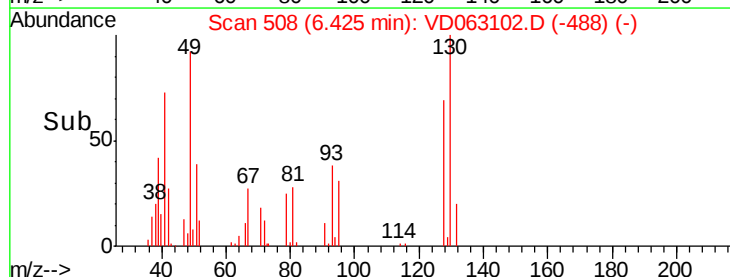
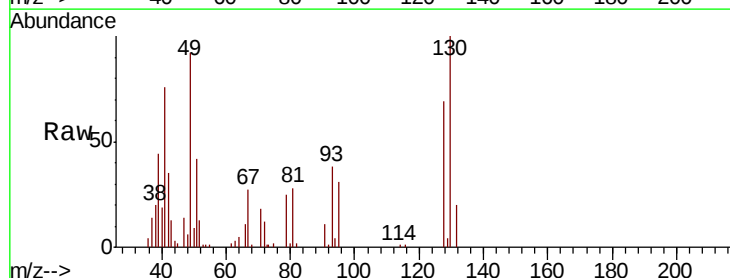
Tot Ion: 96 Resp: 164958
 Ion Ratio Lower Upper
 96 100
 61 167.9 0.0 329.6
 98 66.2 0.0 118.4

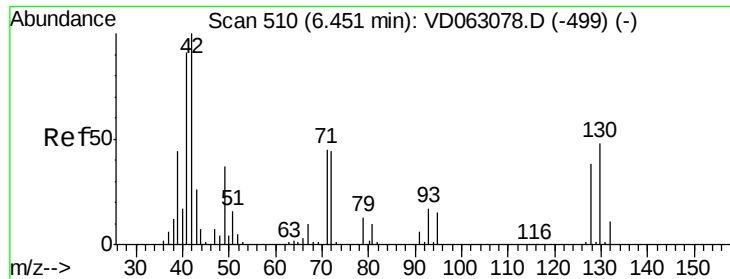


#28

Bromochloromethane
 Concen: 19.656 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 49 Resp: 96206
 Ion Ratio Lower Upper
 49 100
 129 4.7 0.0 3.6#
 130 108.1 80.3 120.5

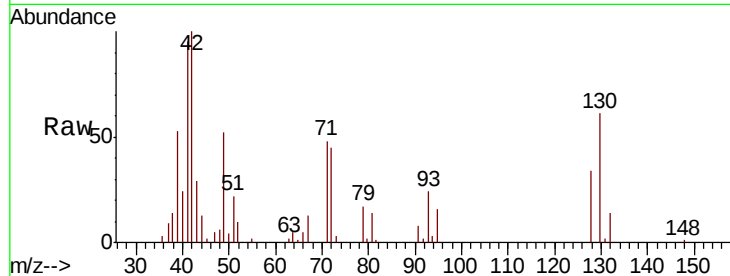




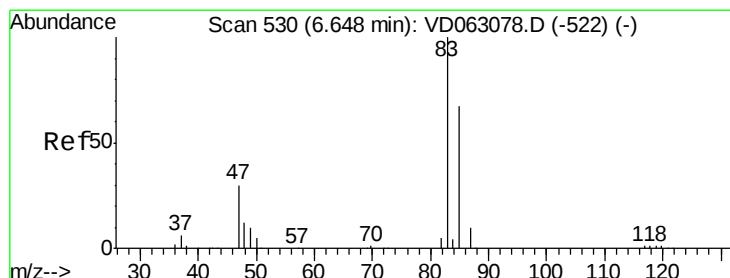
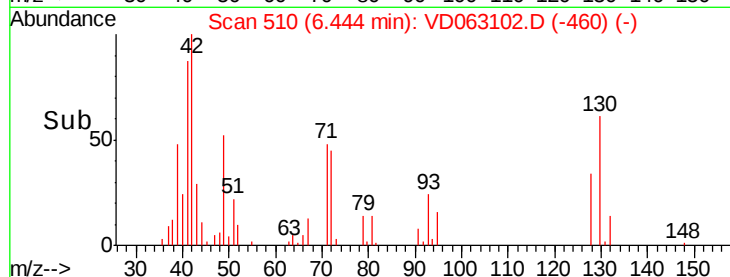
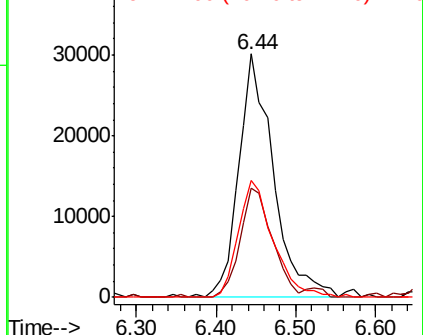
#29
Tetrahydrofuran
Concen: 96.117 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tot Ion: 42 Resp: 90696
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 48.4 34.2 51.2

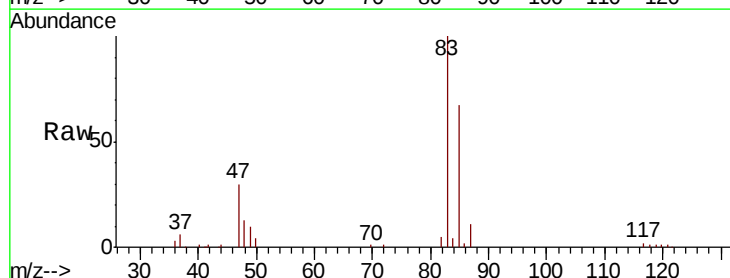


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

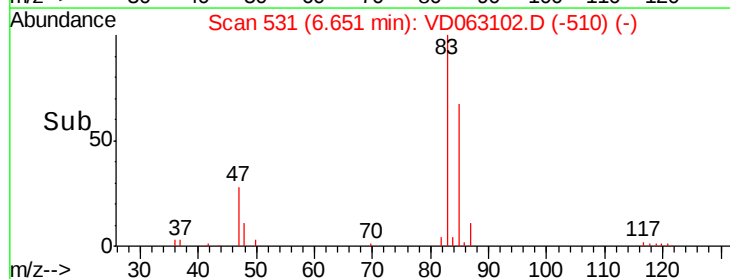
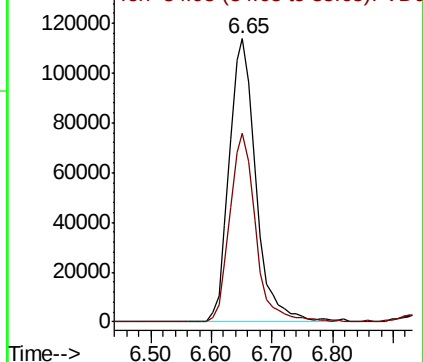


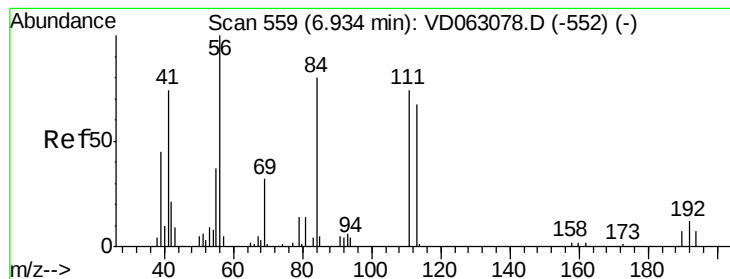
#30
Chloroform
Concen: 21.026 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 83 Resp: 349349
Ion Ratio Lower Upper
83 100
85 66.9 53.8 80.8



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





#31

Cyclohexane

Concen: 19.366 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

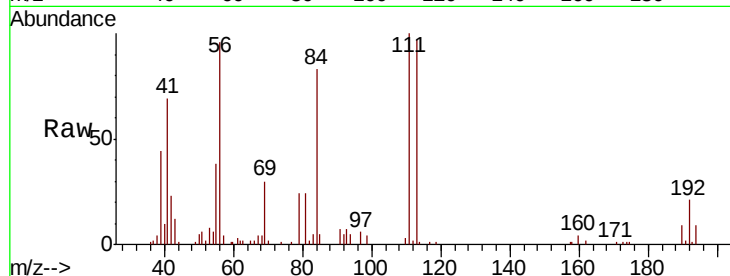
Tot Ion: 56 Resp: 166392

Ion Ratio Lower Upper

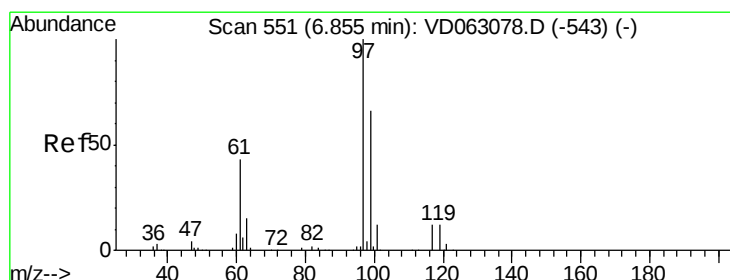
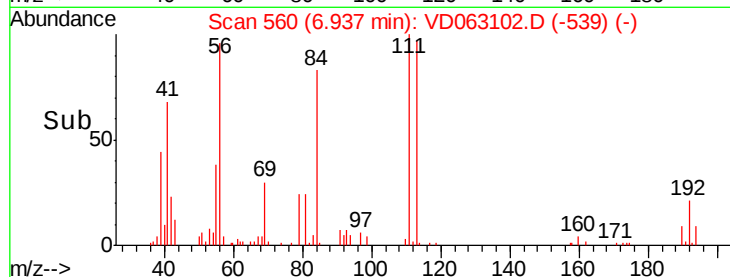
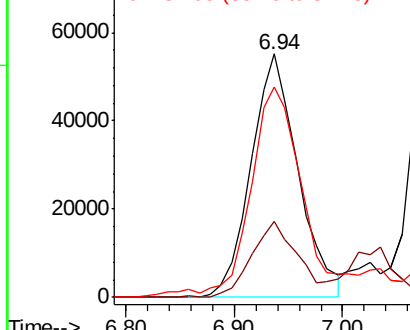
56 100

69 31.1 25.3 37.9

84 86.5 64.2 96.4



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



#32

1,1,1-Trichloroethane

Concen: 19.903 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

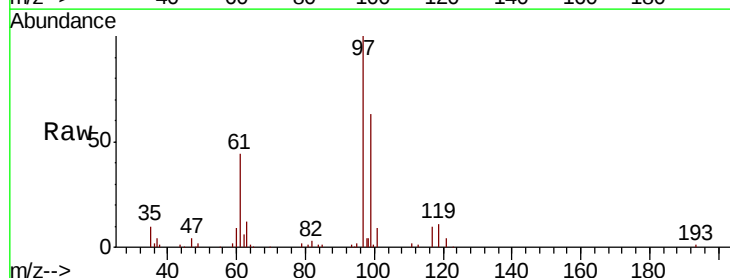
Tgt Ion: 97 Resp: 326101

Ion Ratio Lower Upper

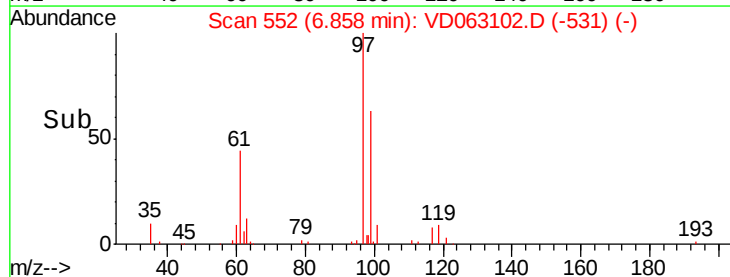
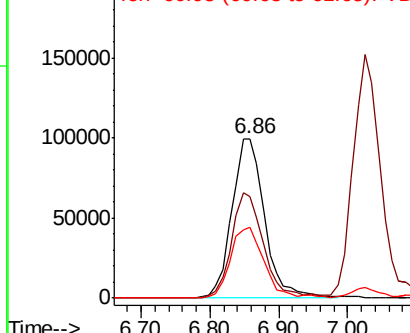
97 100

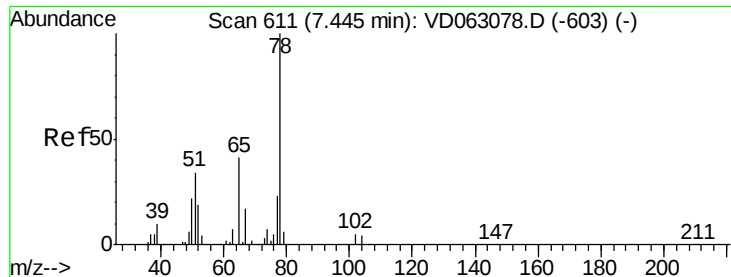
99 63.4 52.9 79.3

61 44.4 34.4 51.6



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

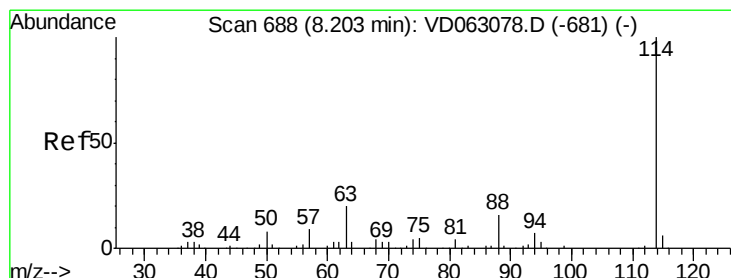
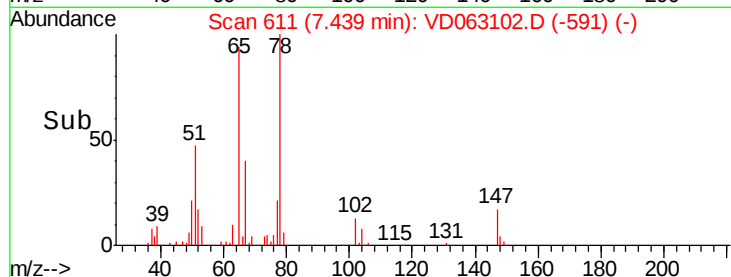
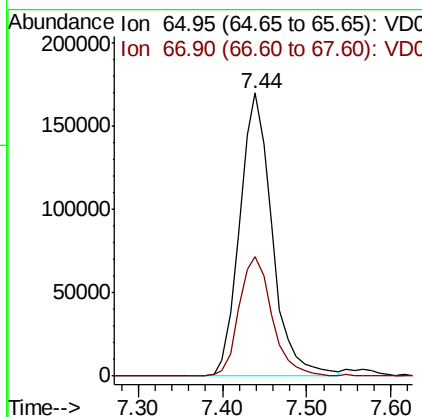
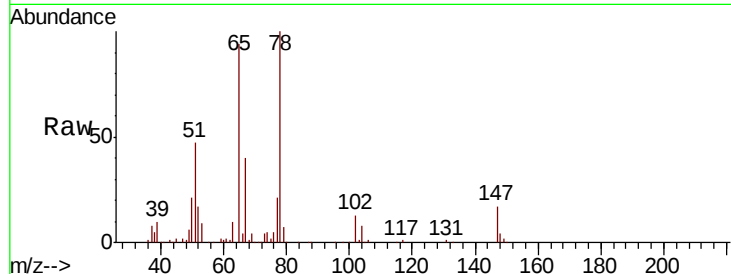




#33
 1,2-Dichloroethane-d4
 Concen: 50.533 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

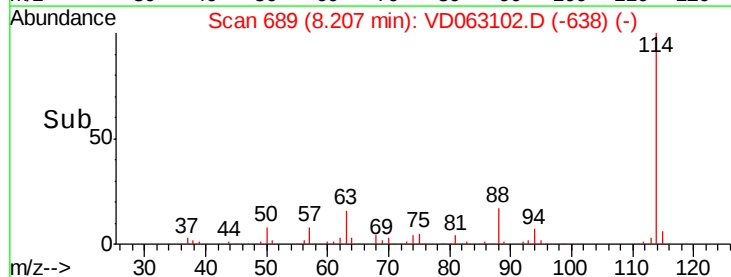
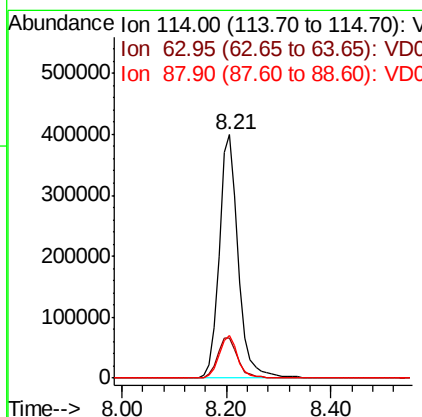
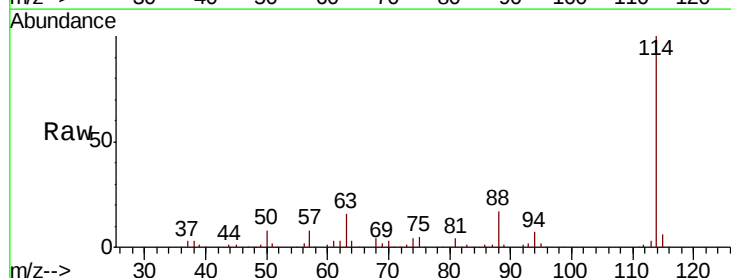
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBSD02

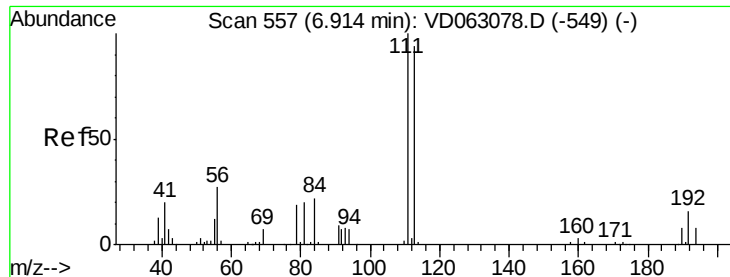
Tot Ion: 65 Resp: 456070
 Ion Ratio Lower Upper
 65 100
 67 42.1 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 114 Resp: 1000144
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 40.6
 88 17.3 0.0 32.6

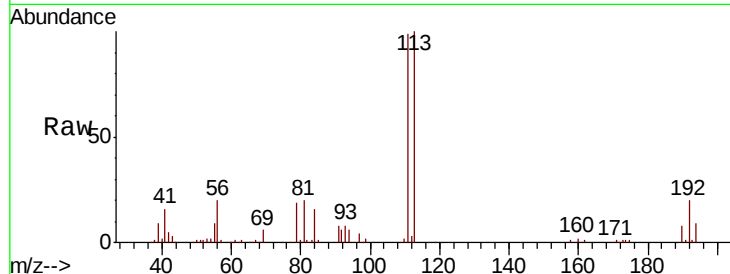




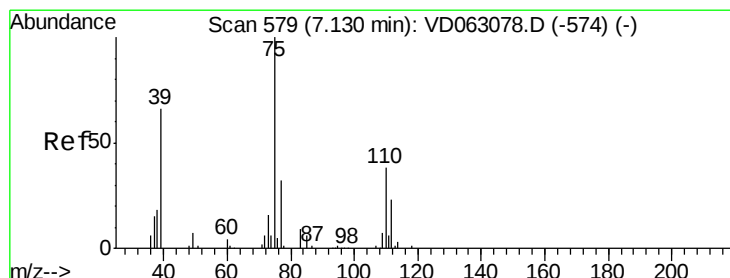
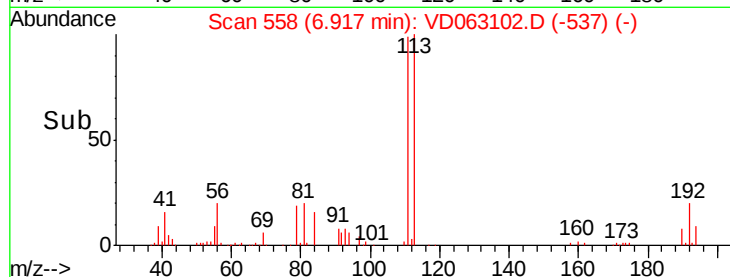
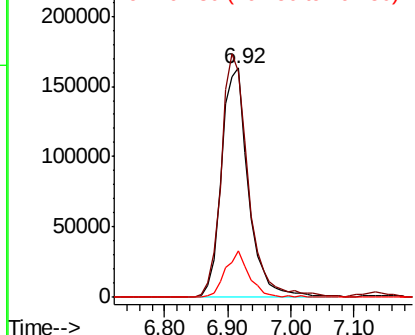
#35
 Dibromofluoromethane
 Concen: 48.659 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBSD02

Tot Ion:113 Resp: 484723
 Ion Ratio Lower Upper
 113 100
 111 98.7 84.8 127.2
 192 20.2 13.4 20.0#

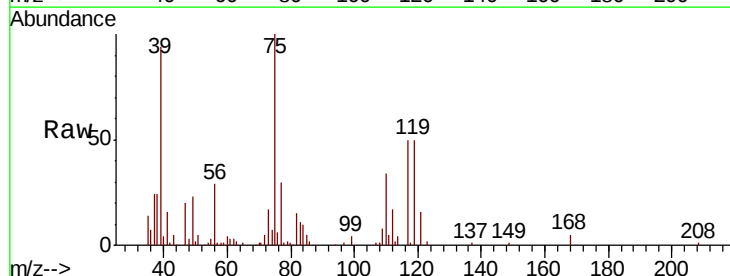


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

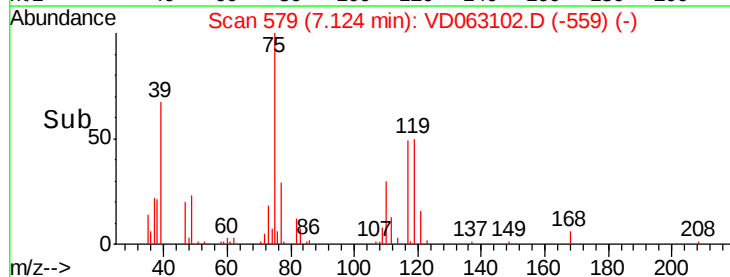
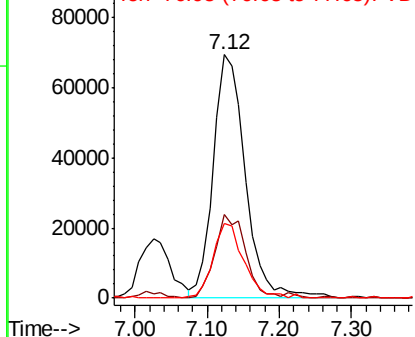


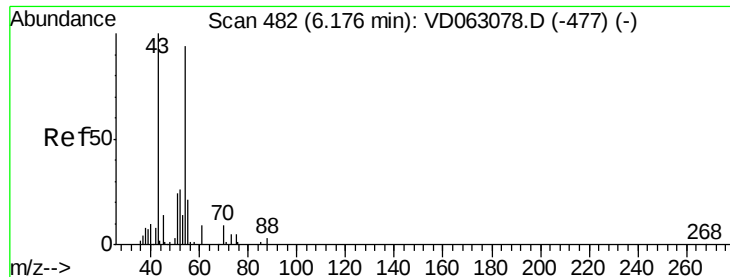
#36
 1,1-Dichloropropene
 Concen: 19.005 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 75 Resp: 213771
 Ion Ratio Lower Upper
 75 100
 110 34.3 18.9 56.5
 77 30.5 25.2 37.8



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

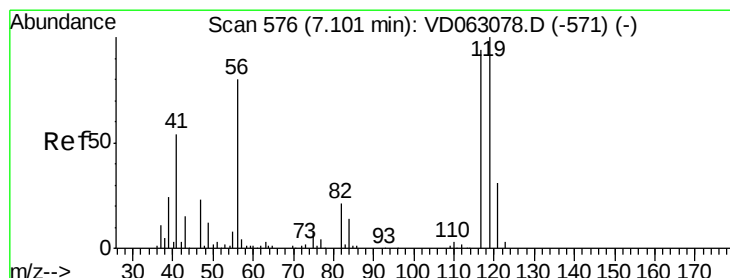
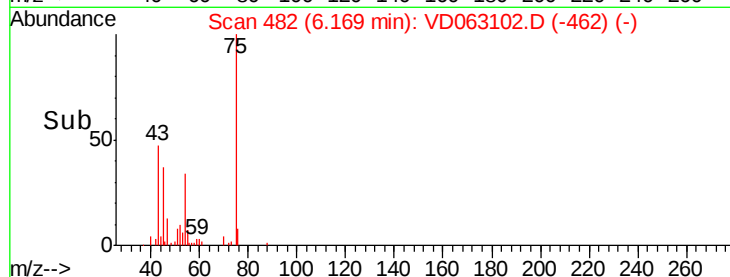
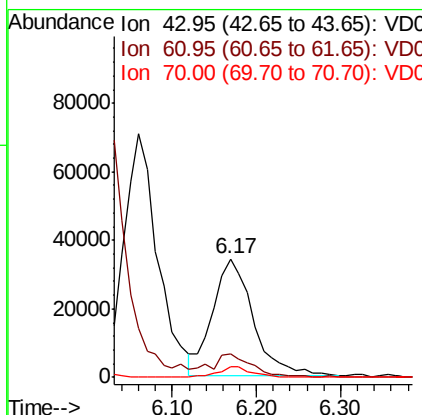
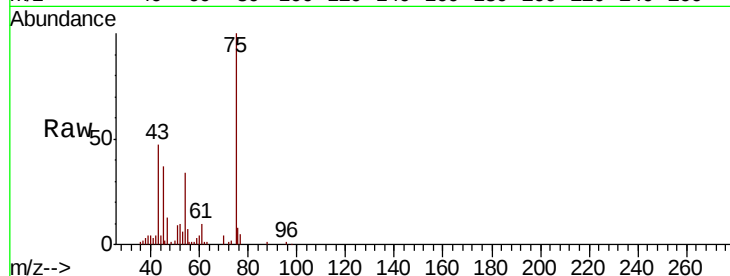




#37
Ethyl Acetate
Concen: 23.920 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

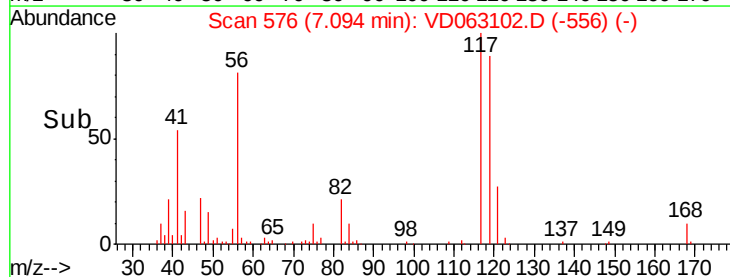
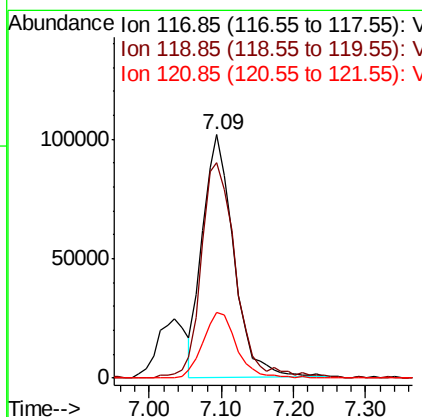
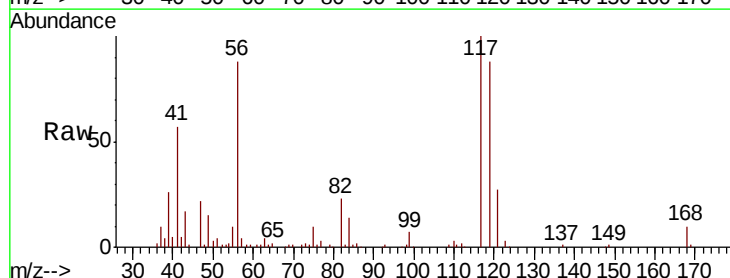
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

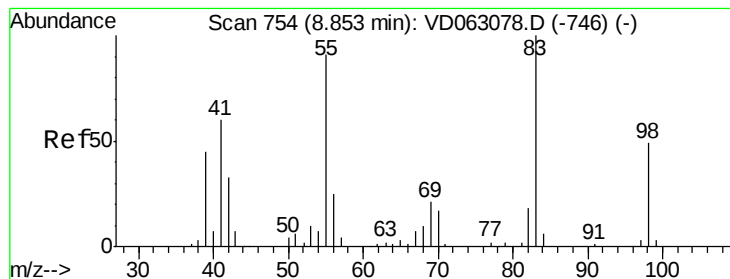
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	10.6	16.0#
70	9.3	6.6	9.8



#38
Carbon Tetrachloride
Concen: 17.753 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	80.0	120.0
121	27.0	25.0	37.4





#39

Methvlcvclohexane

Concen: 19.160 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD02

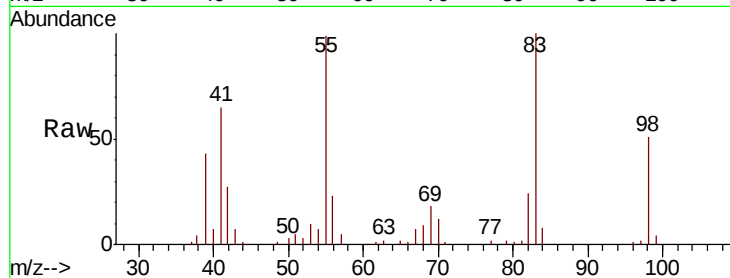
Tot Ion: 83 Resp: 186327

Ion Ratio Lower Upper

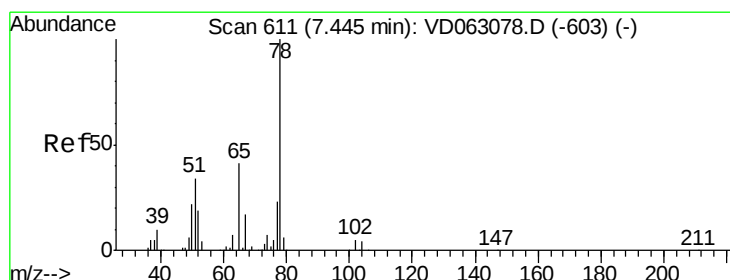
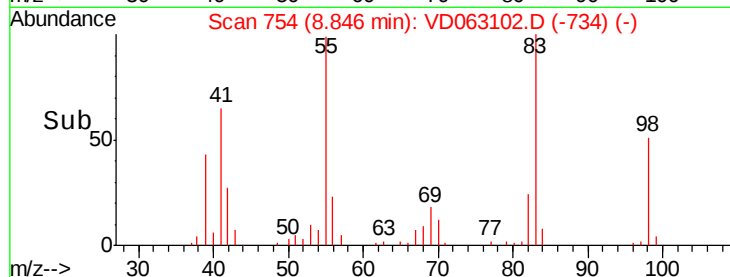
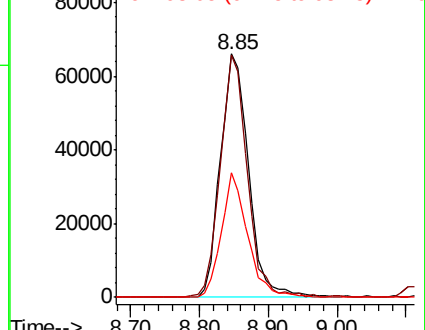
83 100

55 99.4 73.0 109.4

98 51.3 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.685 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063102.D

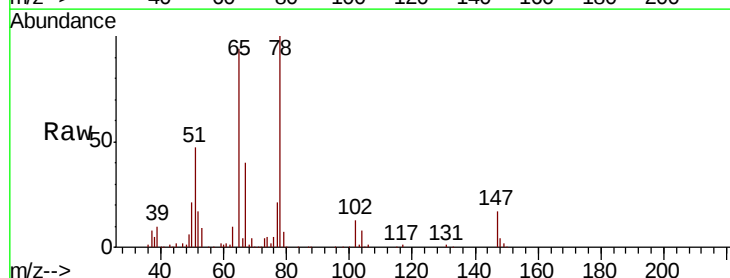
Acq: 16 Jul 2019 13:16

Tgt Ion: 78 Resp: 487325

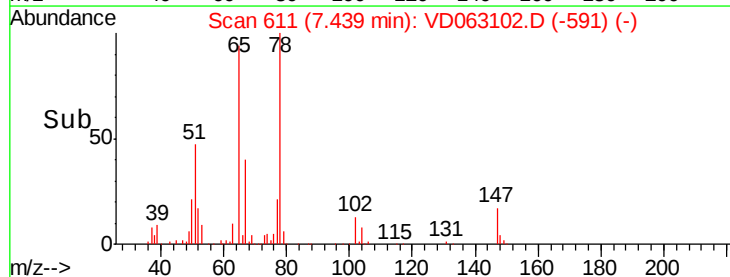
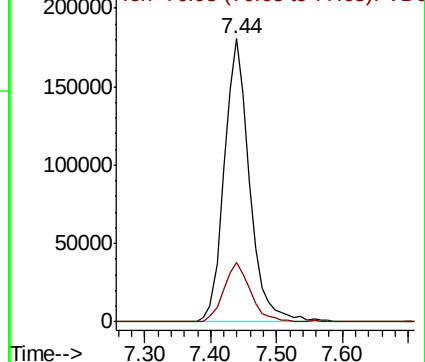
Ion Ratio Lower Upper

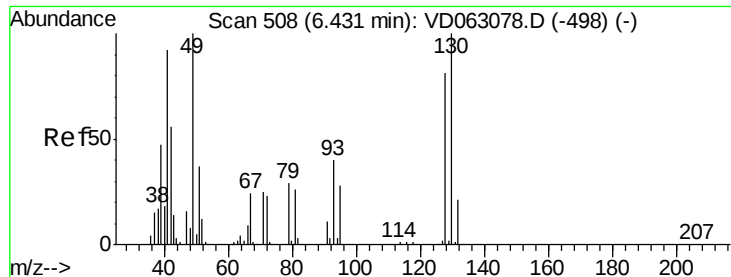
78 100

77 21.2 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.189 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD02

Tot Ion: 41 Resp: 131767

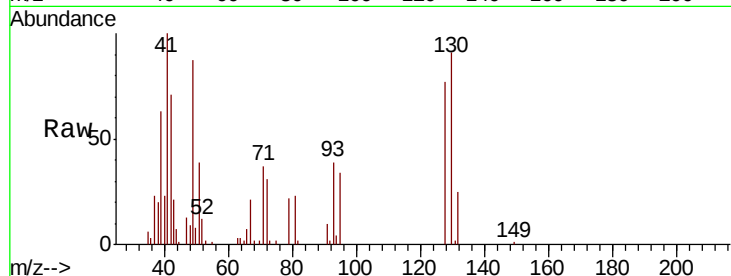
Ion Ratio Lower Upper

41 100

39 62.7 41.0 61.6#

67 20.5 21.3 31.9#

52 12.3 10.5 15.7

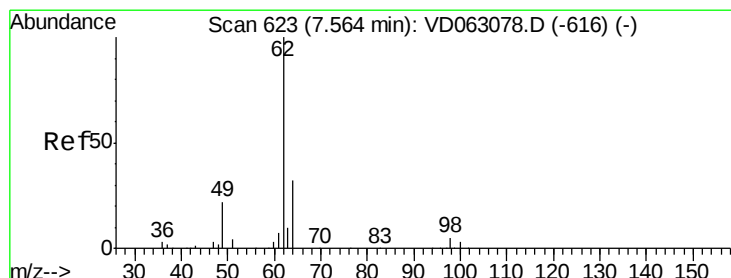
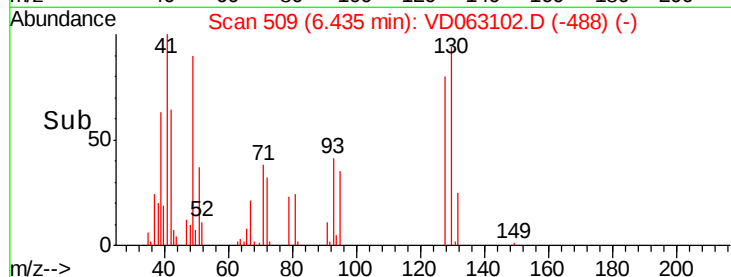
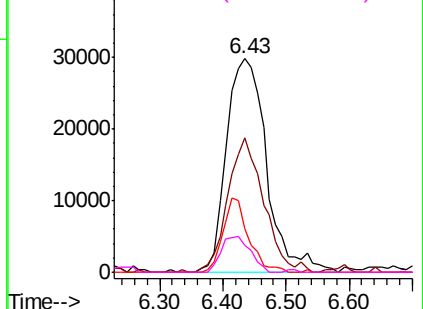


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.967 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.01 min

Lab File: VD063102.D

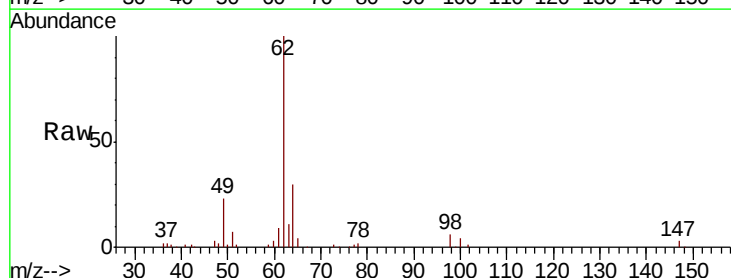
Acq: 16 Jul 2019 13:16

Tgt Ion: 62 Resp: 250616

Ion Ratio Lower Upper

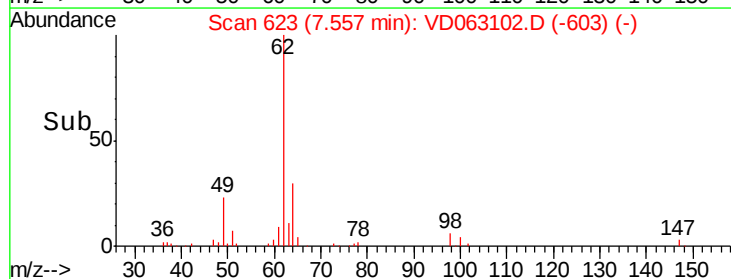
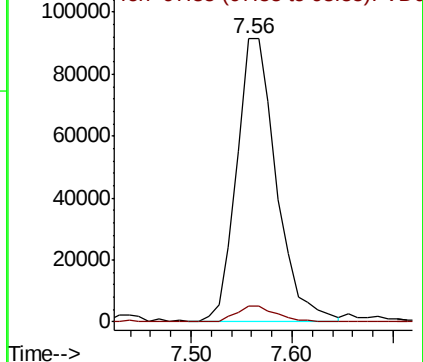
62 100

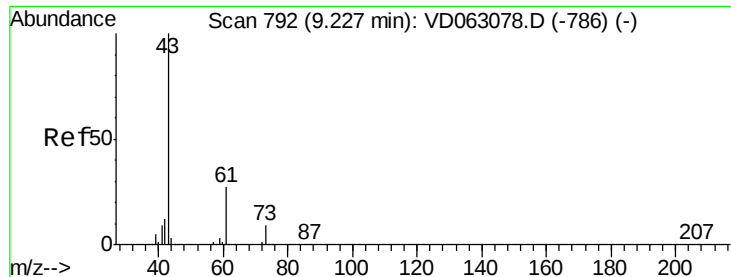
98 5.8 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



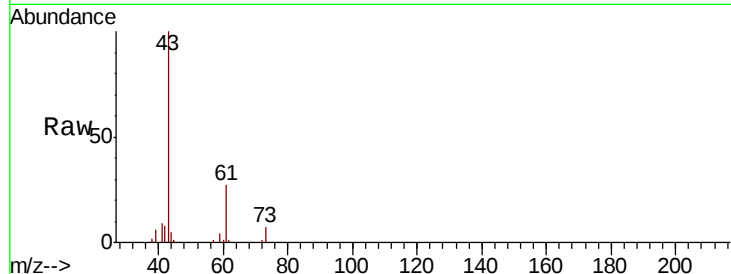


#43

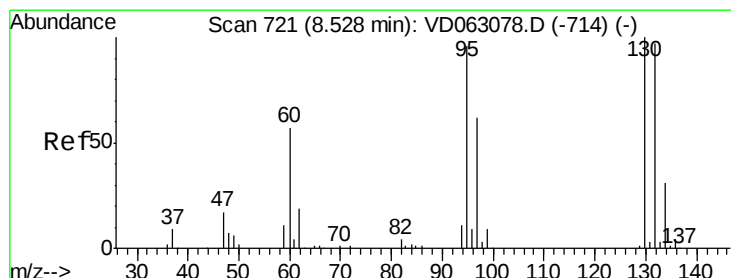
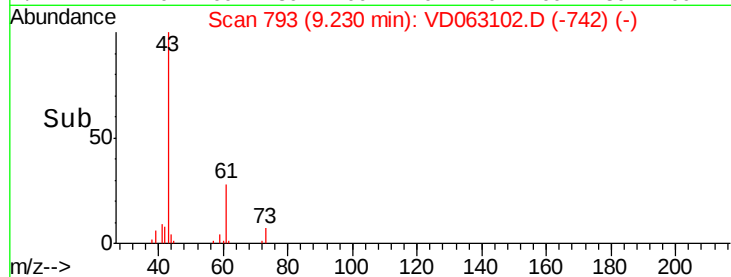
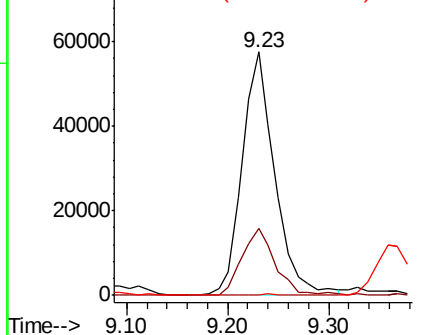
Isopropyl Acetate
 Concen: 18.787 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Tot Ion: 43 Resp: 129637
 Ion Ratio Lower Upper
 43 100
 61 27.4 21.7 32.5
 87 0.0 0.2 0.4#



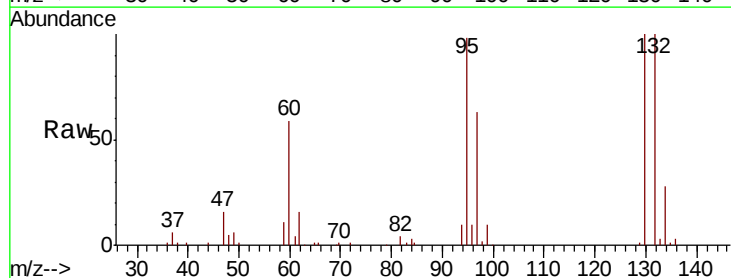
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



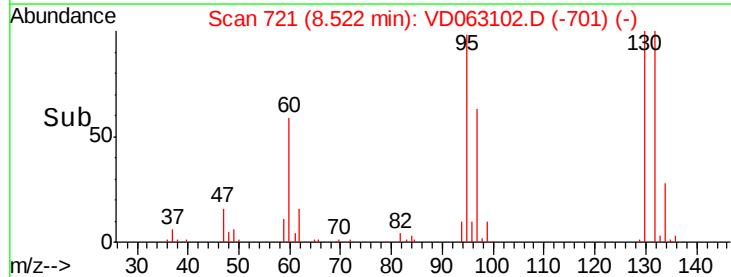
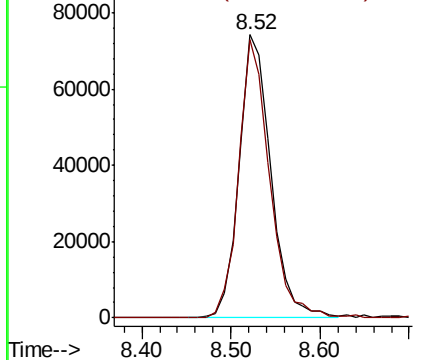
#44

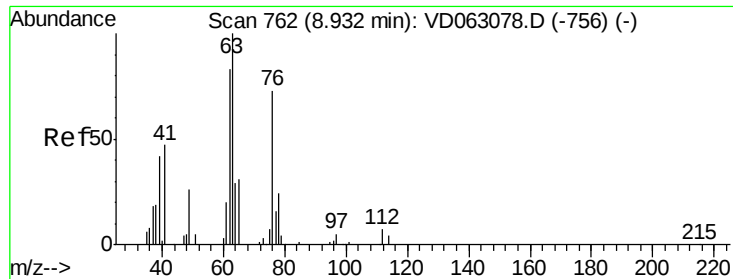
Trichloroethene
 Concen: 20.089 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 130 Resp: 182908
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.031 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

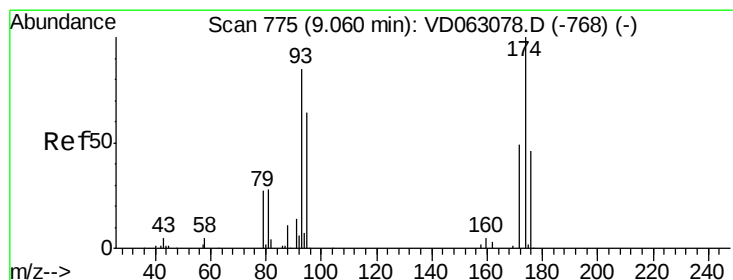
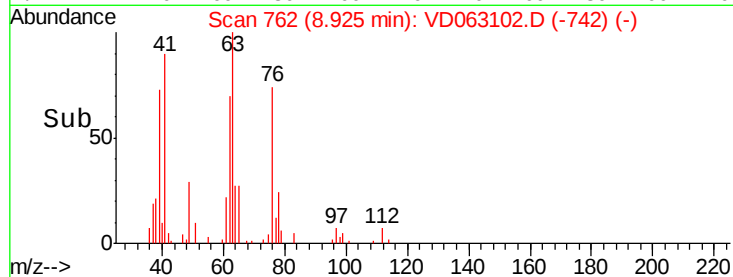
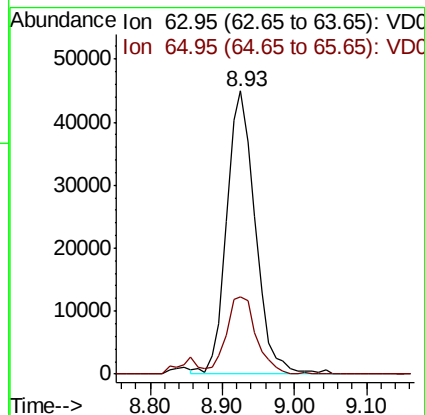
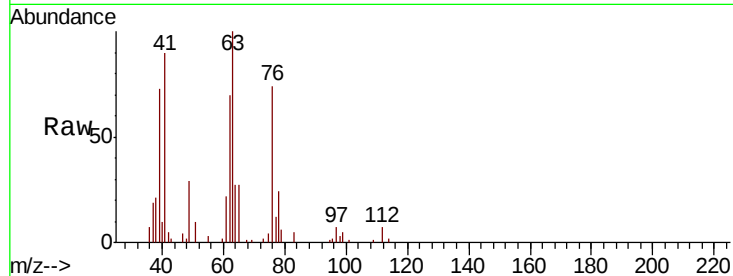
VD0716SBS02

Tot Ion: 63 Resp: 123533

Ion Ratio Lower Upper

63 100

65 27.3 26.3 39.5



#46

Dibromomethane

Concen: 20.055 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

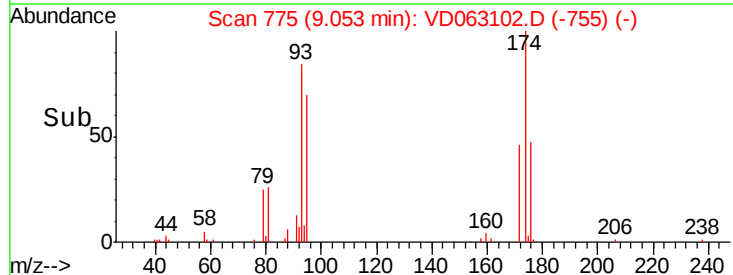
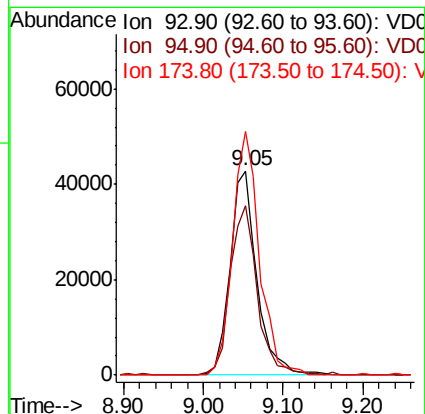
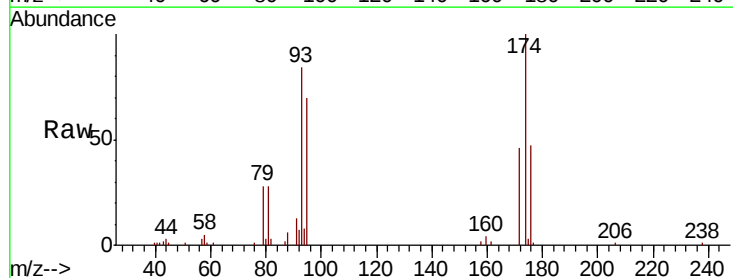
Tgt Ion: 93 Resp: 101227

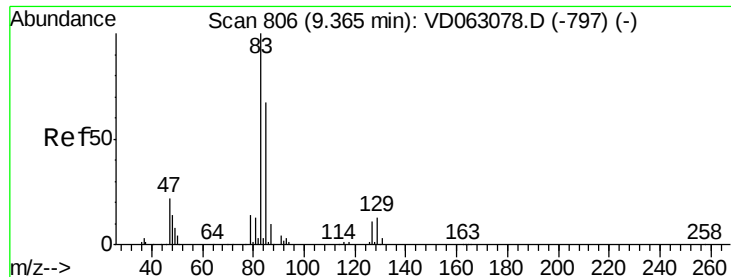
Ion Ratio Lower Upper

93 100

95 83.1 59.7 89.5

174 119.3 93.9 140.9





#47

Bromodichloromethane

Concen: 20.042 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD02

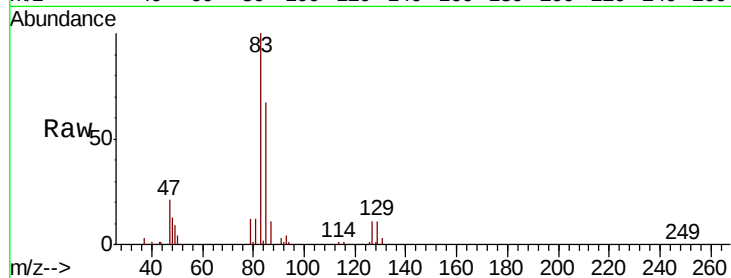
Tot Ion: 83 Resp: 263983

Ion Ratio Lower Upper

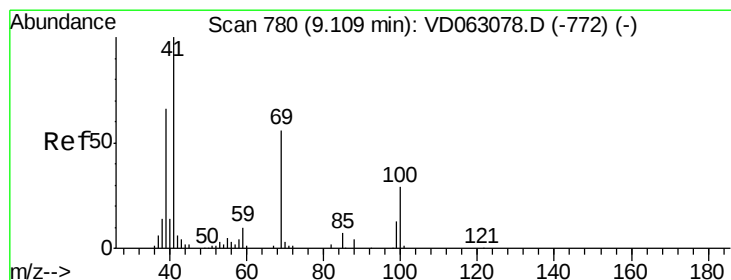
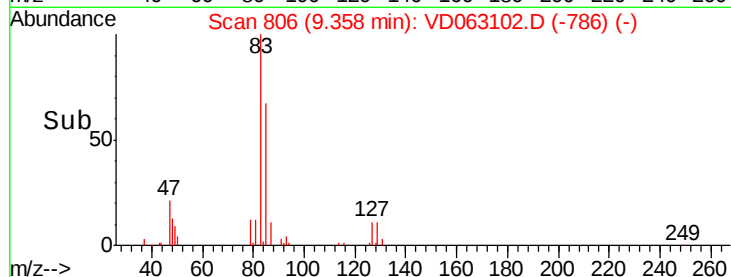
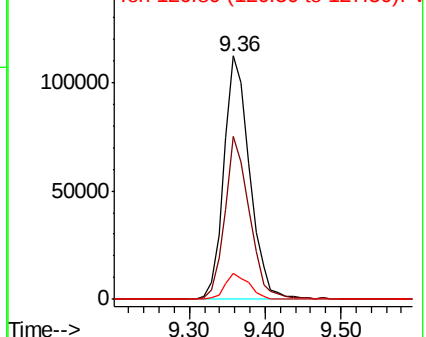
83 100

85 67.0 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: 20.537 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

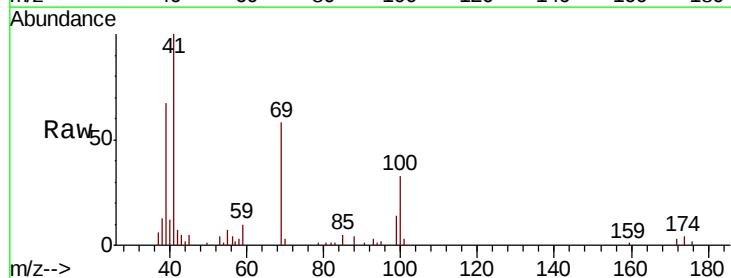
Tgt Ion: 41 Resp: 93059

Ion Ratio Lower Upper

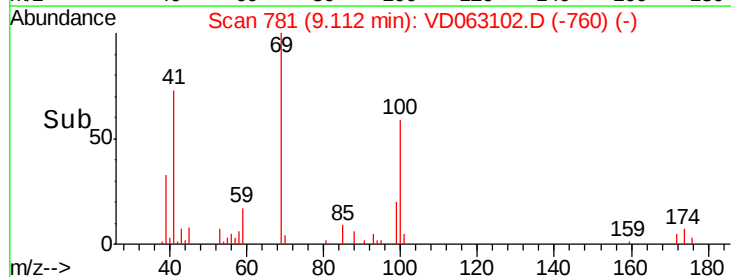
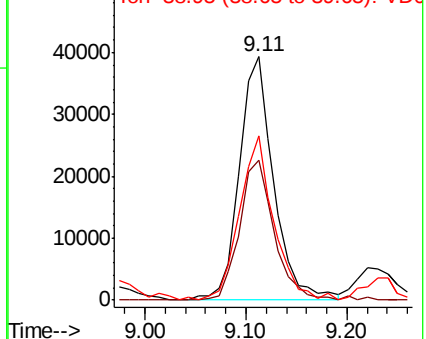
41 100

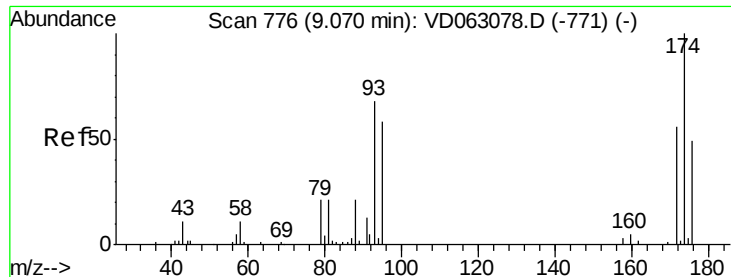
69 57.7 44.3 66.5

39 67.4 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

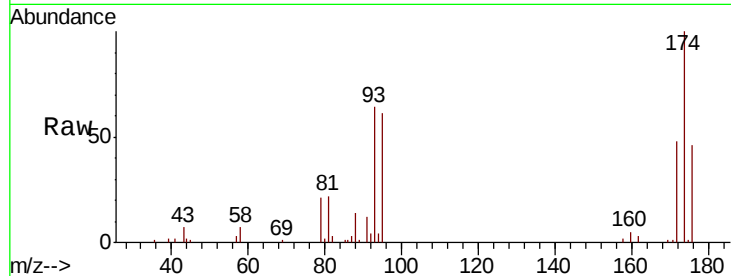




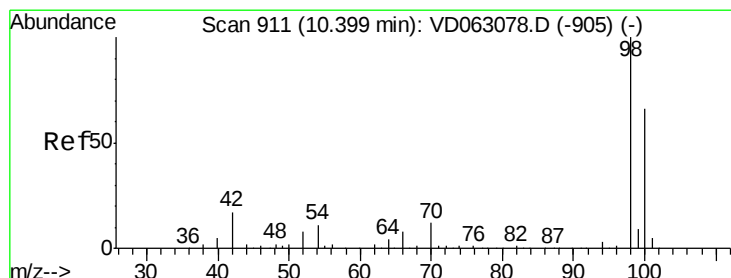
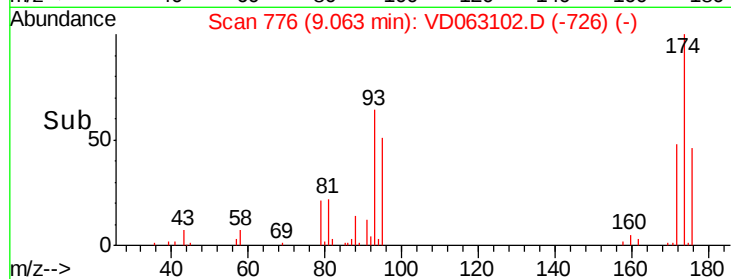
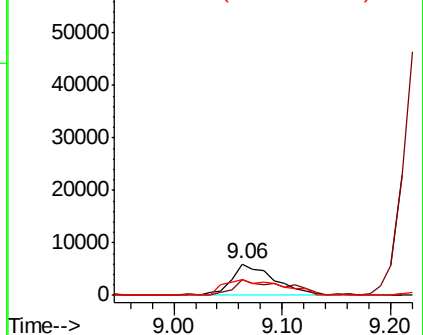
#49
1,4-Dioxane
Concen: 418.124 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tot Ion: 88 Resp: 16340
Ion Ratio Lower Upper
88 100
43 48.3 40.2 60.4
58 51.3 41.6 62.4

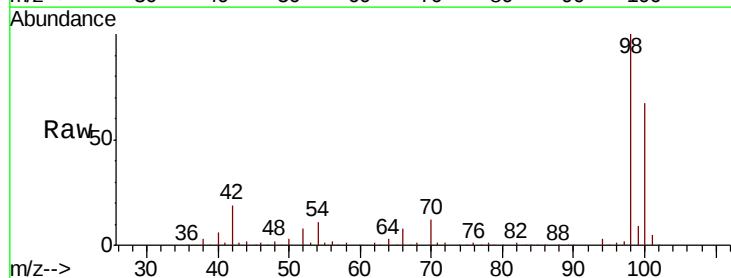


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

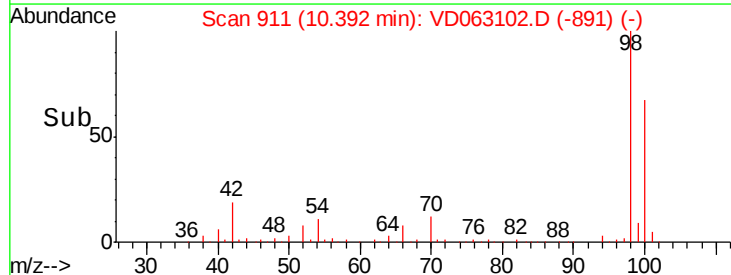
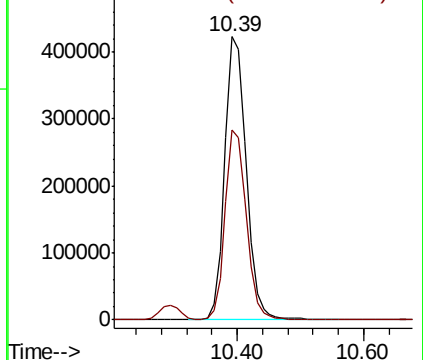


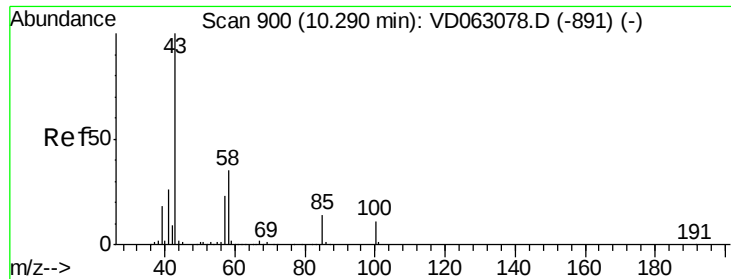
#50
Toluene-d8
Concen: 46.687 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 98 Resp: 998997
Ion Ratio Lower Upper
98 100
100 67.3 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: 105.961 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

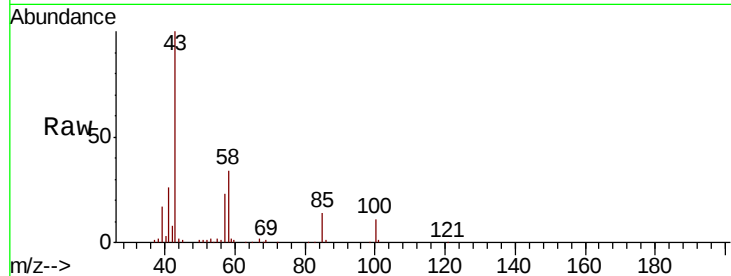
VD0716SBS02

Tot Ion: 43 Resp: 484940

Ion Ratio Lower Upper

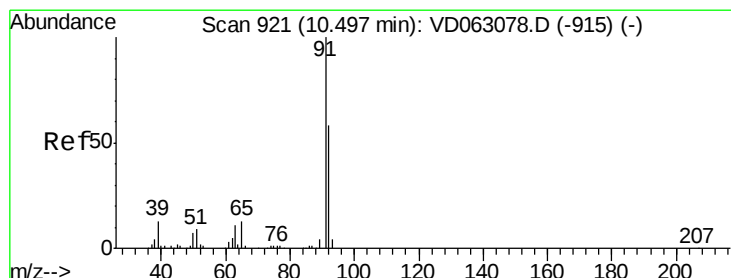
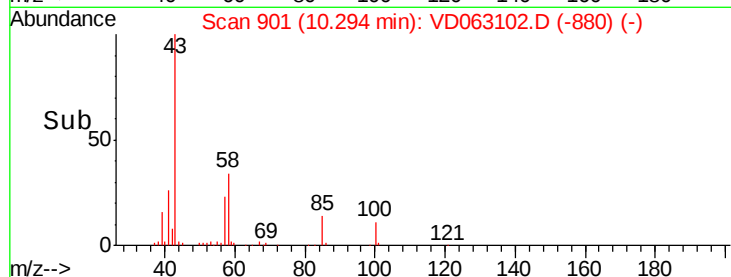
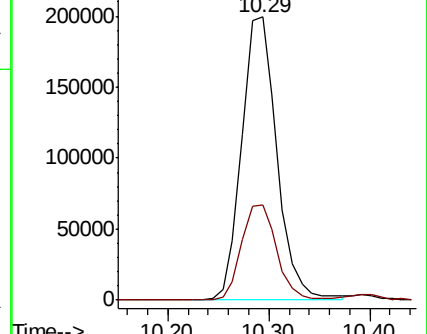
43 100

58 33.8 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.206 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063102.D

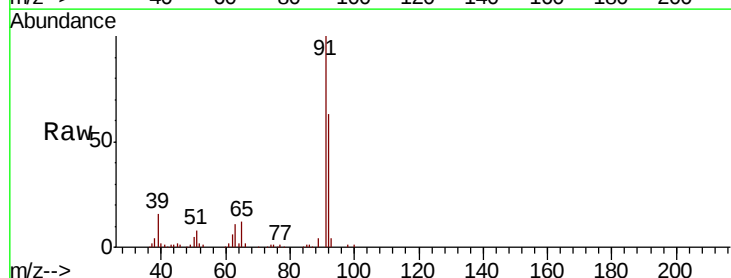
Acq: 16 Jul 2019 13:16

Tgt Ion: 92 Resp: 317884

Ion Ratio Lower Upper

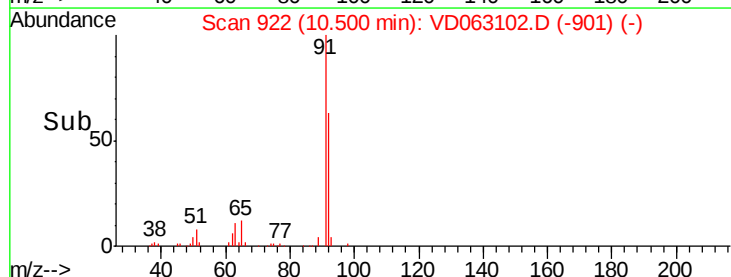
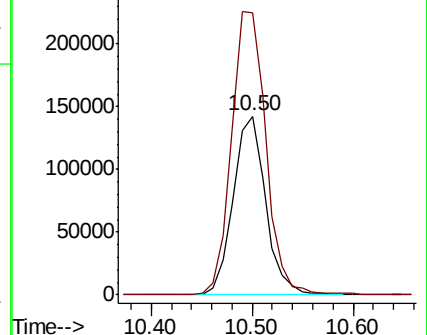
92 100

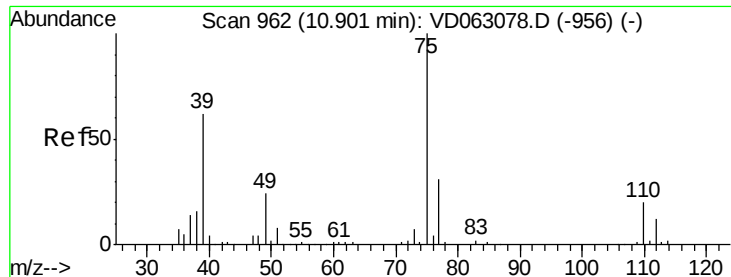
91 158.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

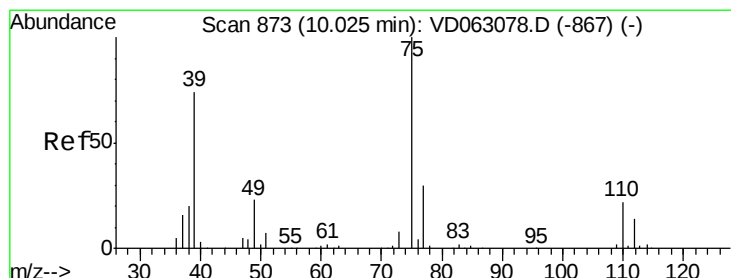
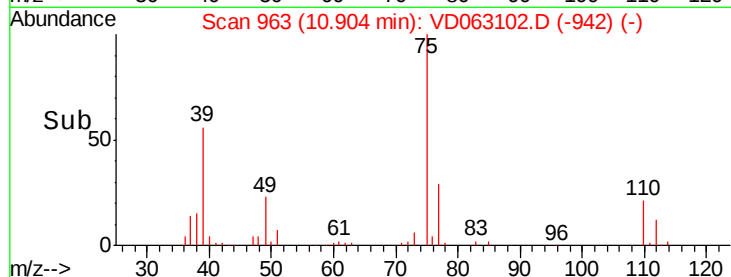
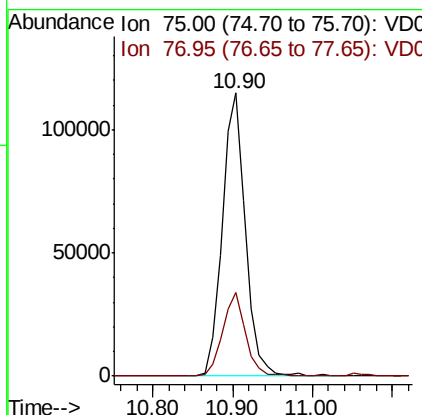
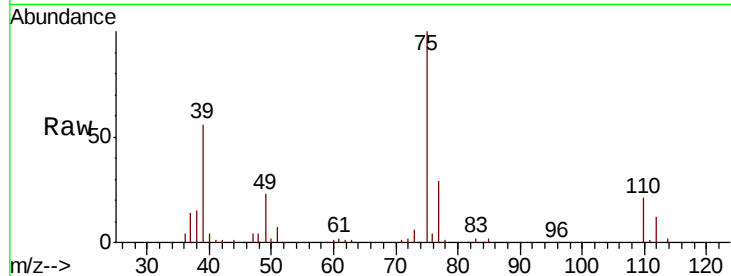




#53
 t-1,3-Dichloropropene
 Concen: 20.792 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

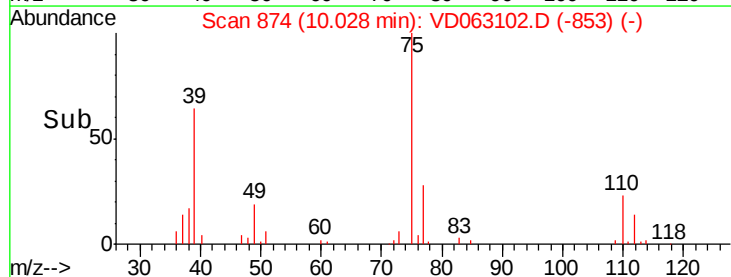
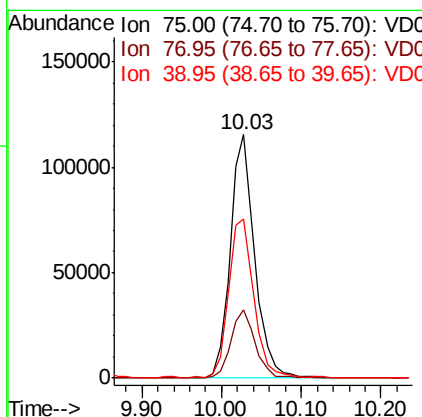
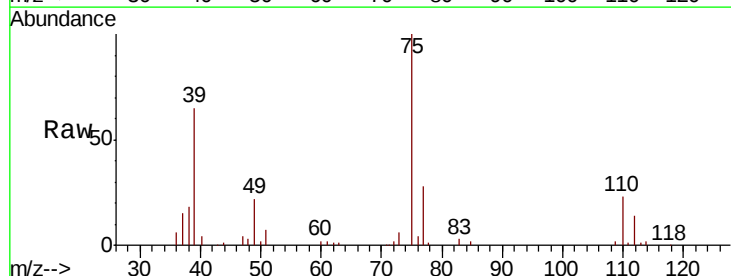
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

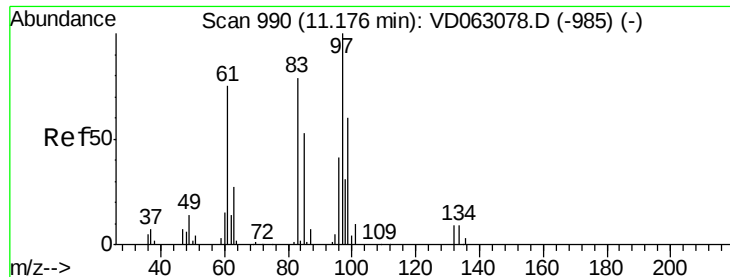
Tot Ion: 75 Resp: 234624
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 21.119 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 75 Resp: 246416
 Ion Ratio Lower Upper
 75 100
 77 28.2 23.9 35.9
 39 65.4 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 20.584 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

Tot Ion: 97 Resp: 111910

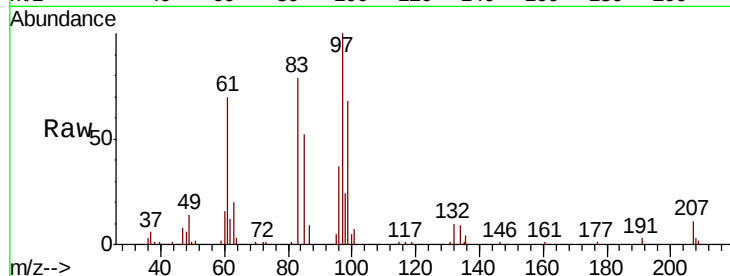
Ion Ratio Lower Upper

97 100

83 78.8 63.2 94.8

85 51.7 42.0 63.0

99 68.0 48.3 72.5

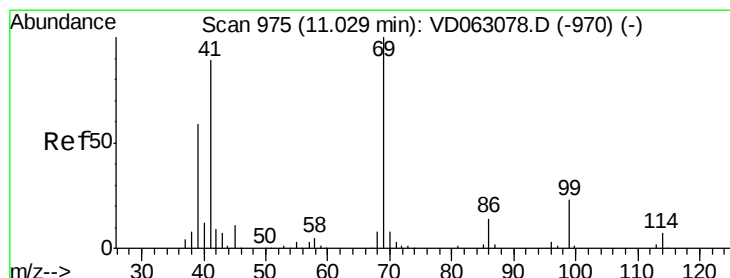
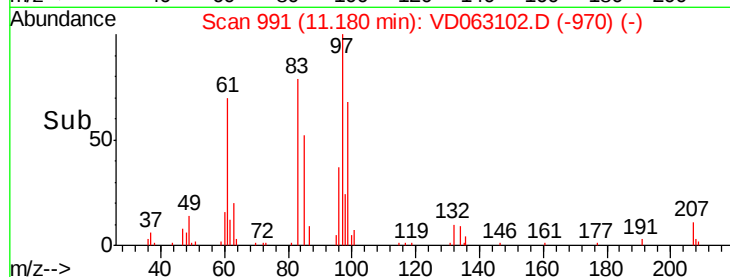
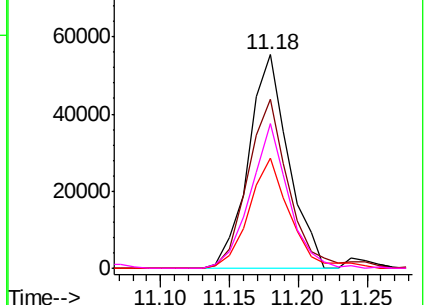


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 18.501 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

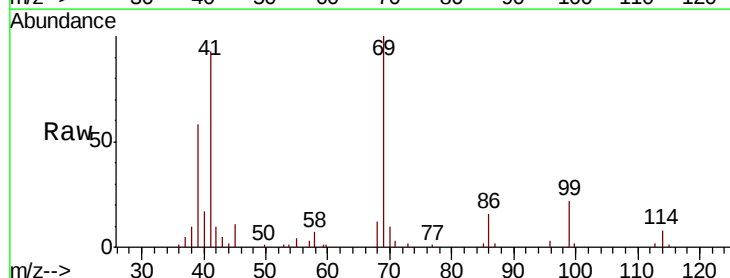
Tgt Ion: 69 Resp: 112385

Ion Ratio Lower Upper

69 100

41 93.3 71.0 106.4

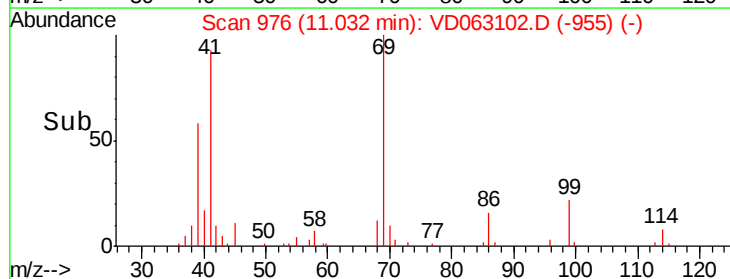
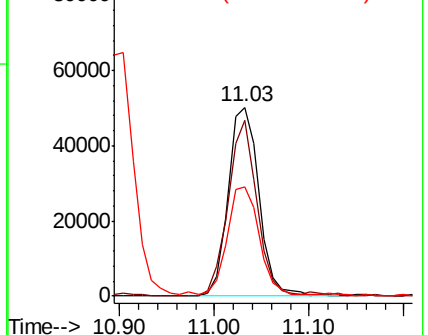
39 58.0 47.7 71.5

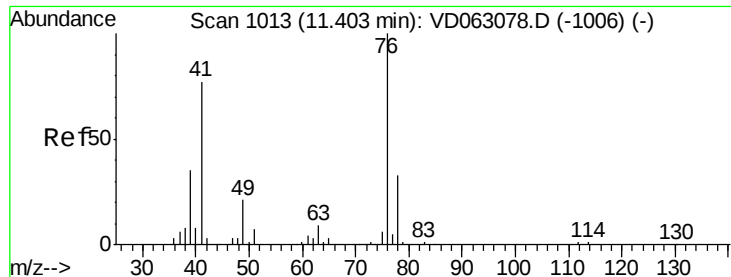


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

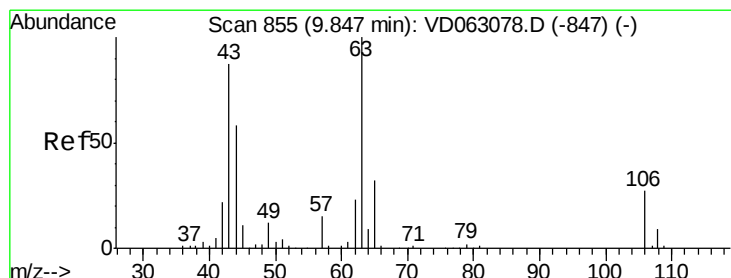
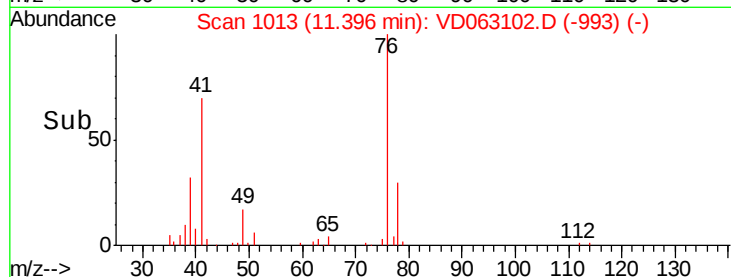
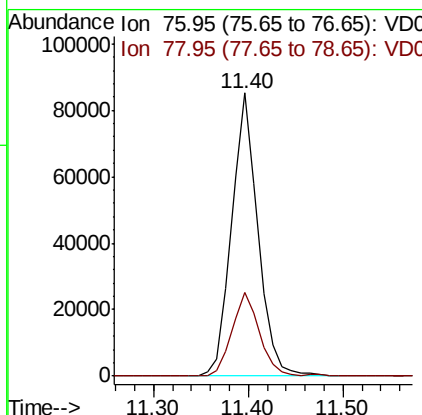
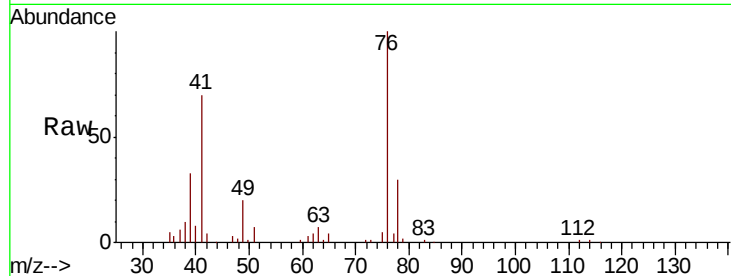




#57
 1,3-Dichloropropane
 Concen: 19.802 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

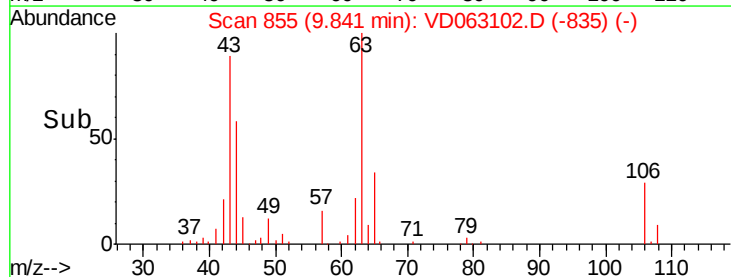
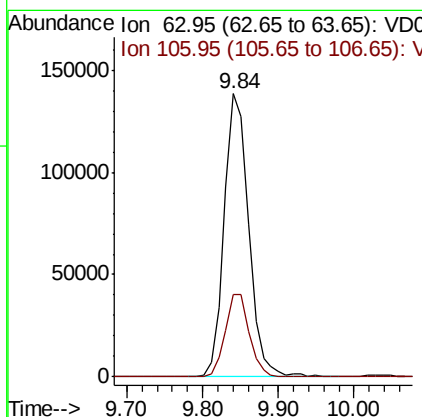
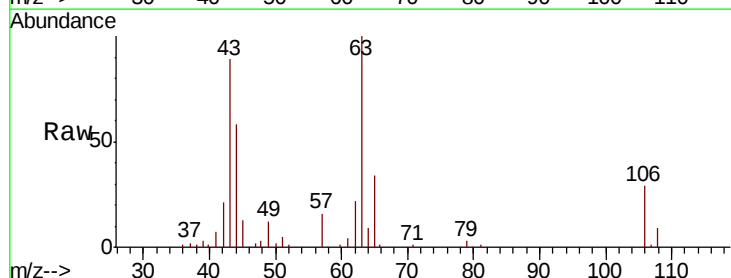
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

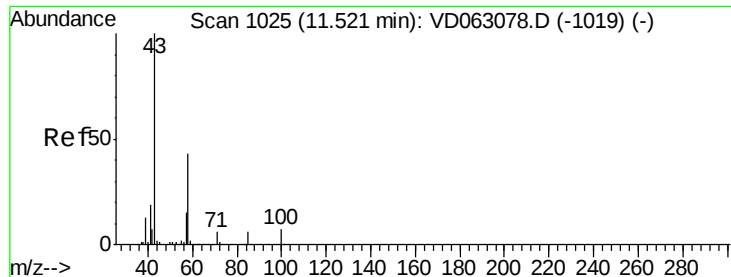
Tot Ion: 76 Resp: 163815
 Ion Ratio Lower Upper
 76 100
 78 29.7 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.817 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 63 Resp: 310550
 Ion Ratio Lower Upper
 63 100
 106 29.2 21.3 31.9

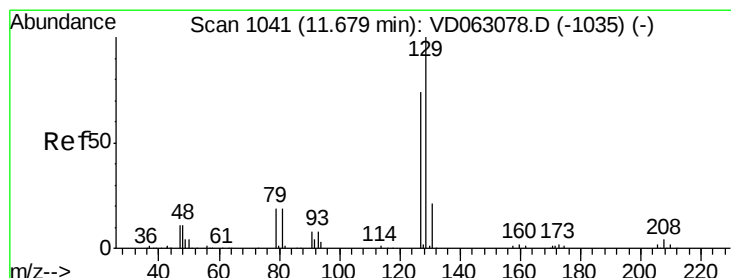
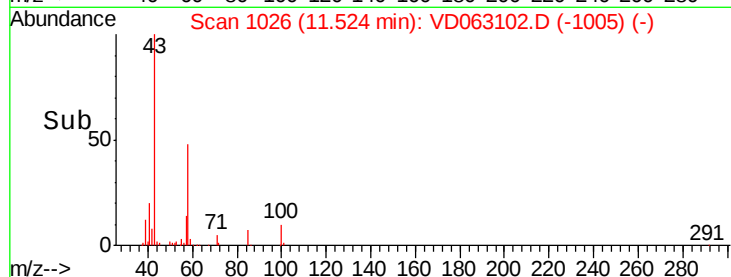
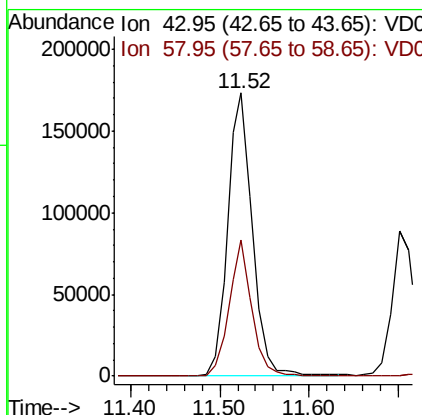
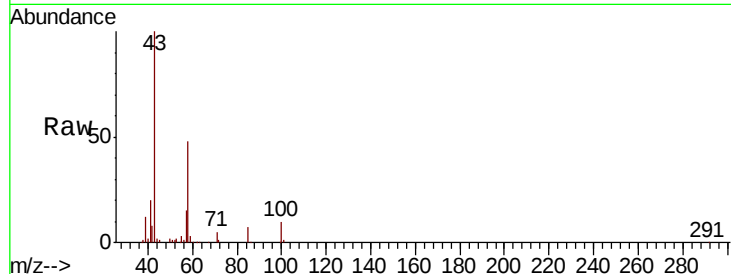




#59
2-Hexanone
Concen: 95.756 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

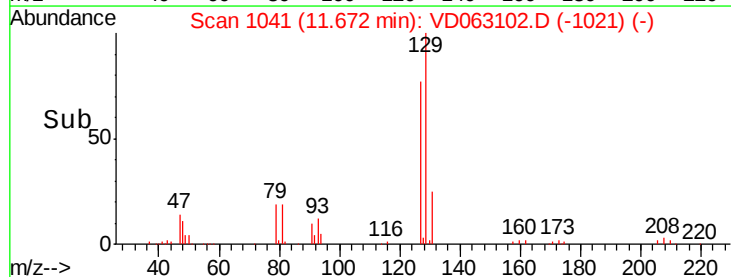
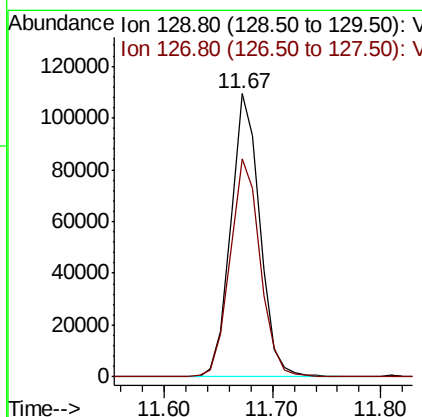
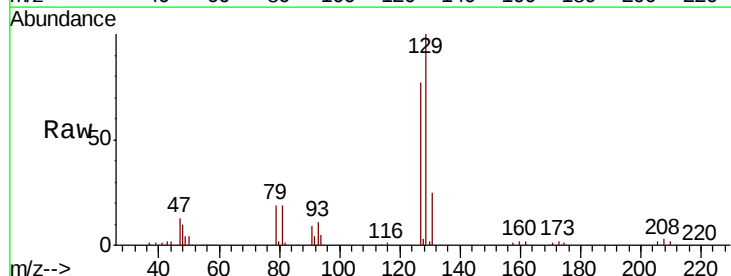
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

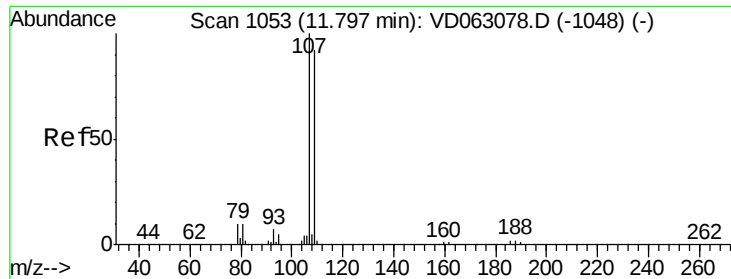
Tot Ion: 43 Resp: 337972
Ion Ratio Lower Upper
43 100
58 48.2 21.7 65.1



#60
Dibromochloromethane
Concen: 19.613 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 129 Resp: 204393
Ion Ratio Lower Upper
129 100
127 76.9 37.0 110.9

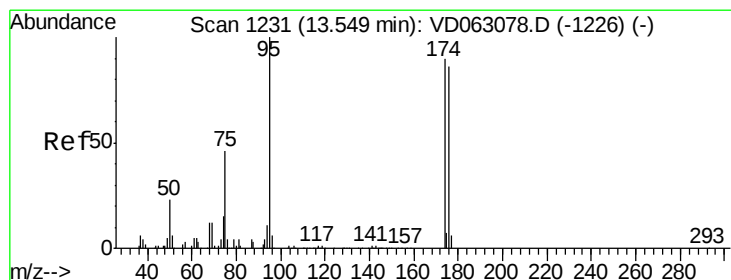
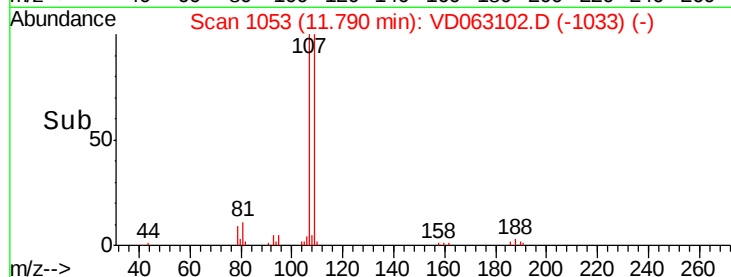
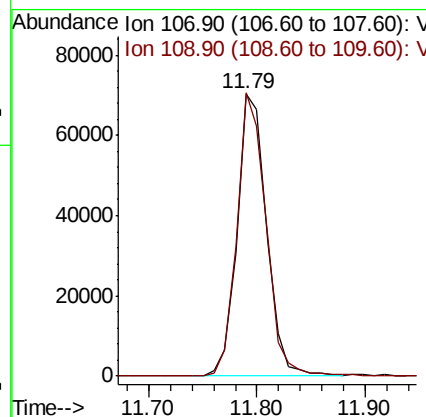
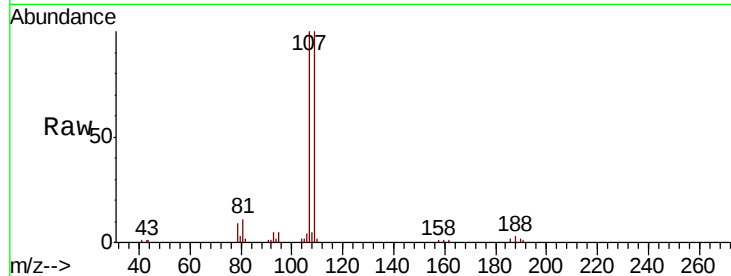




#61
 1,2-Dibromoethane
 Concen: 20.402 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

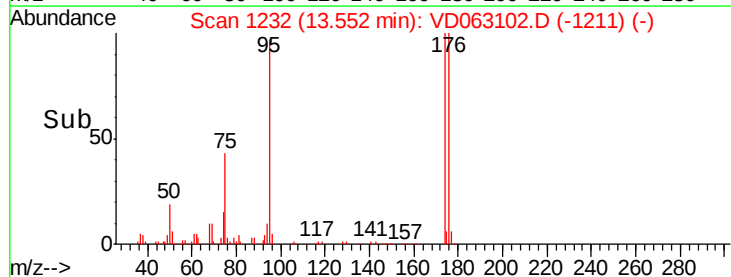
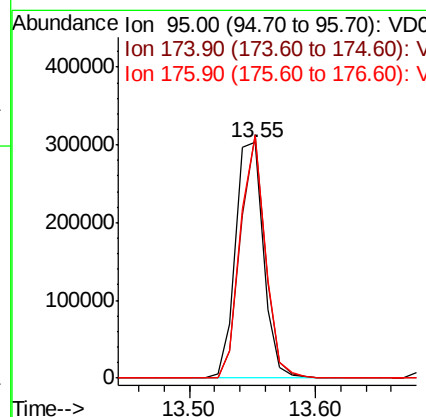
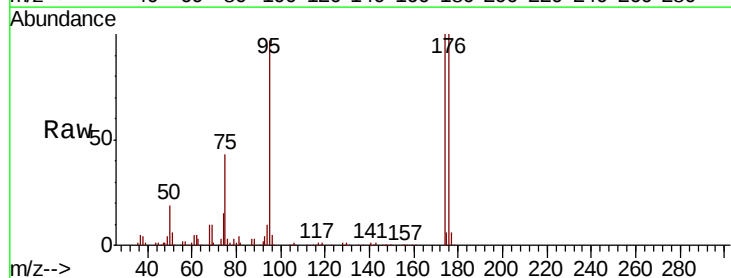
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBSD02

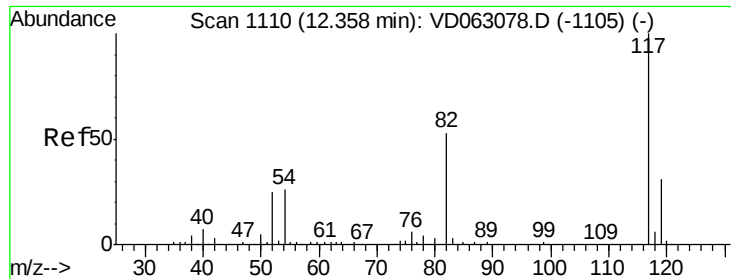
Tot Ion:107 Resp: 132768
 Ion Ratio Lower Upper
 107 100
 109 100.1 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 46.765 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 95 Resp: 462941
 Ion Ratio Lower Upper
 95 100
 174 103.3 0.0 180.6
 176 102.8 0.0 172.2

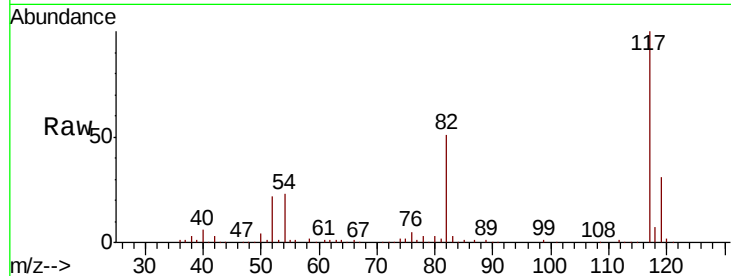




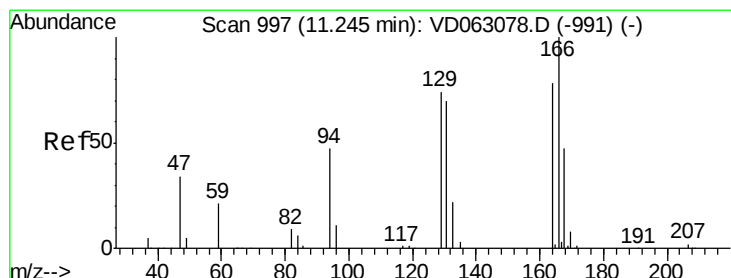
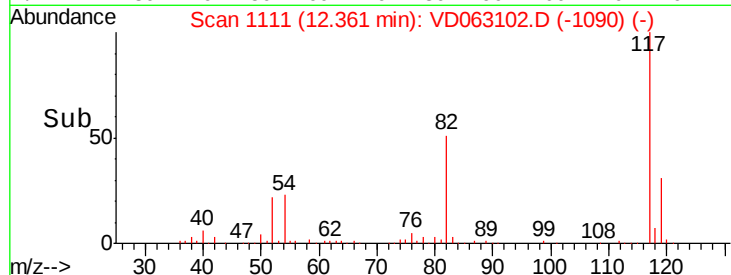
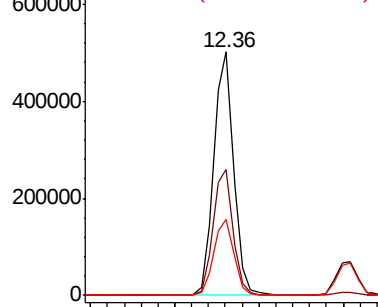
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD02

Tot Ion:117 Resp: 823643
Ion Ratio Lower Upper
117 100
82 51.4 42.3 63.5
119 31.4 25.2 37.8

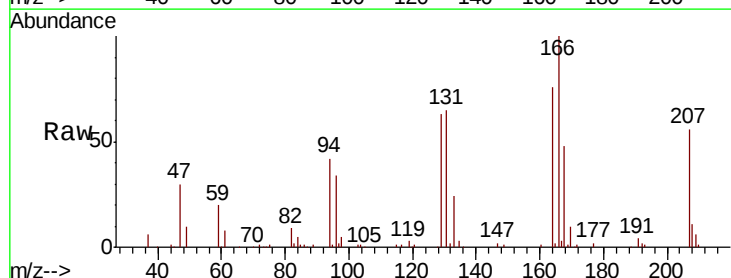


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

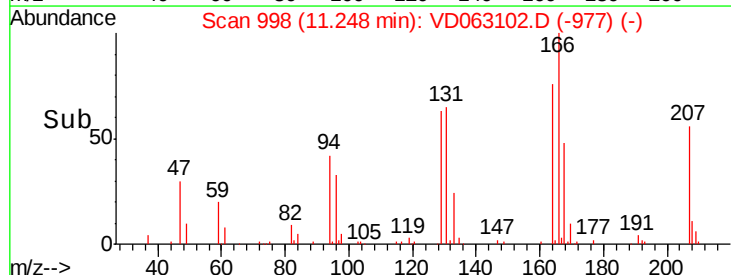
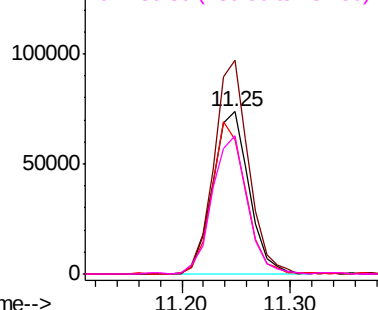


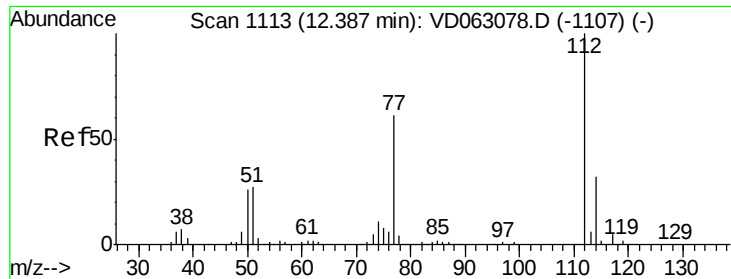
#64
Tetrachloroethene
Concen: 21.430 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion:164 Resp: 171274
Ion Ratio Lower Upper
164 100
166 131.6 102.8 154.2
129 82.9 76.4 114.6
131 85.2 71.7 107.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

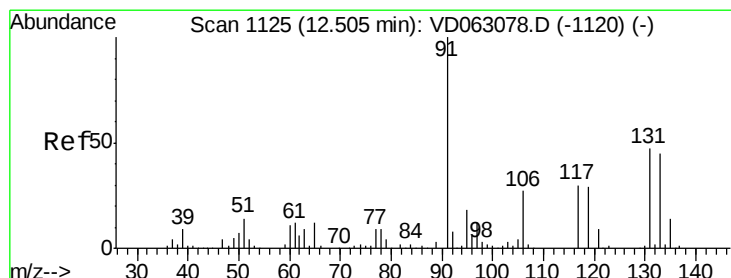
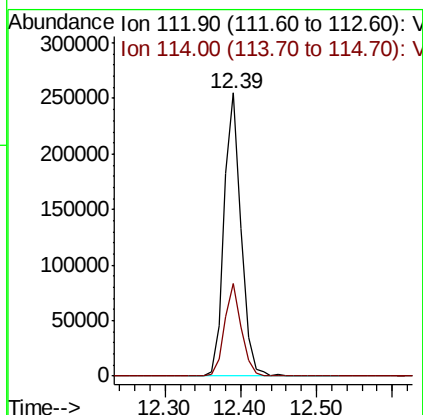
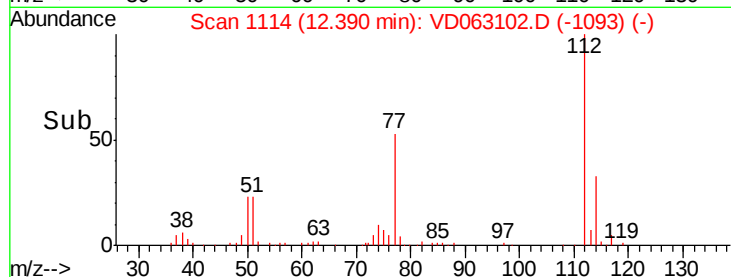
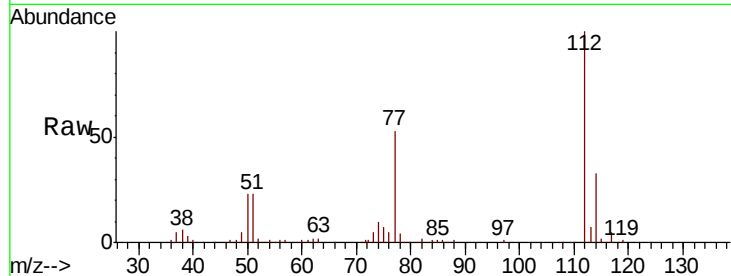




#65
Chlorobenzene
Concen: 20.468 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

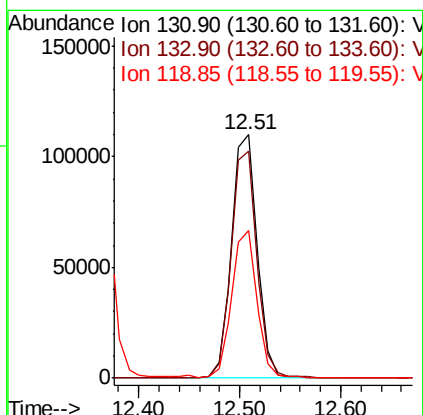
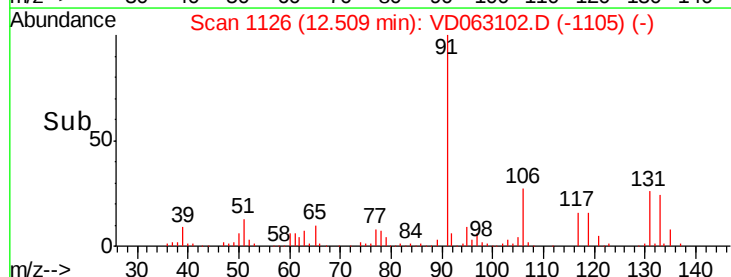
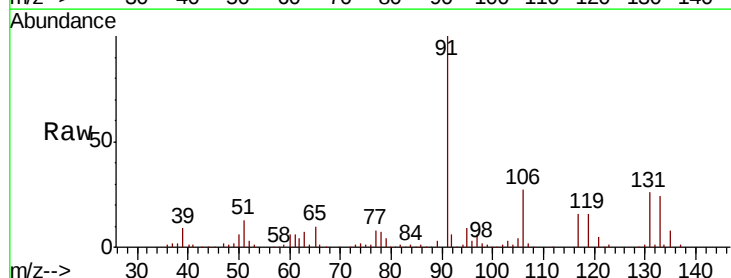
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD02

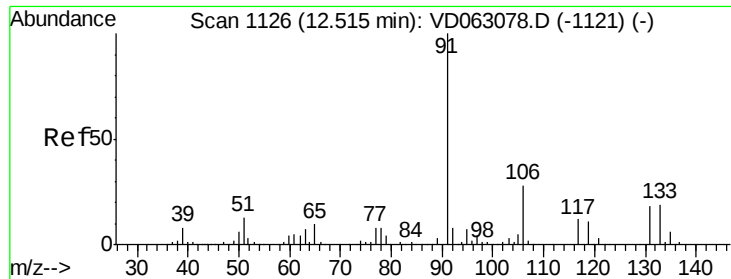
Tot Ion:112 Resp: 396294
Ion Ratio Lower Upper
112 100
114 32.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.524 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion:131 Resp: 193210
Ion Ratio Lower Upper
131 100
133 93.2 48.5 145.6
119 60.9 30.8 92.3

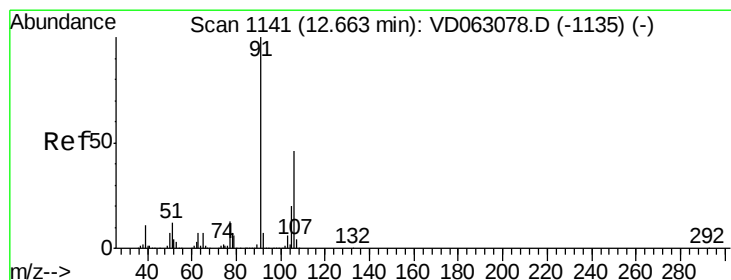
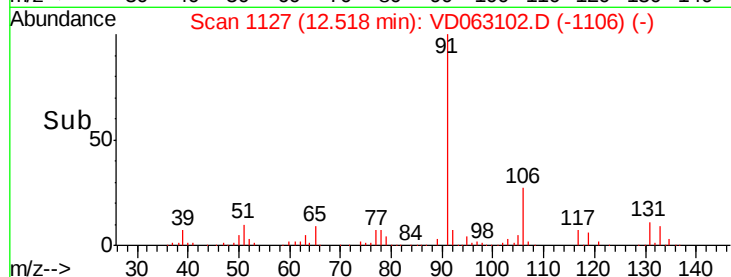
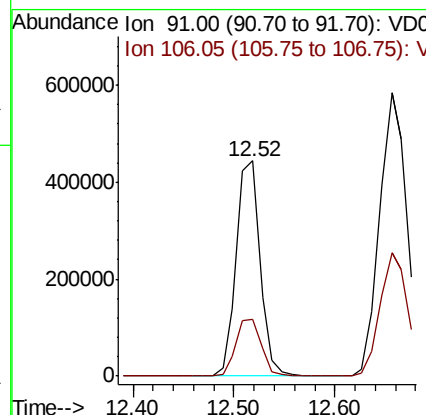
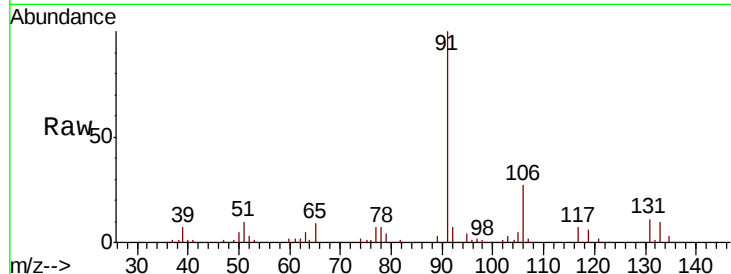




#67
Ethyl Benzene
Concen: 21.700 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

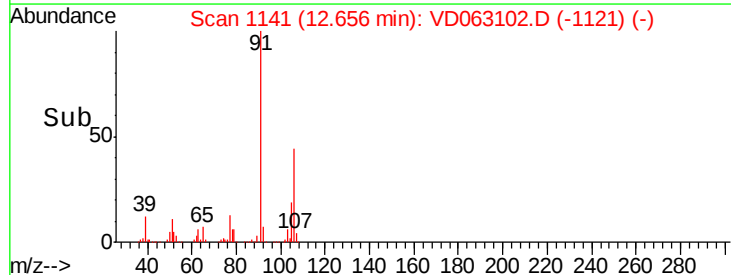
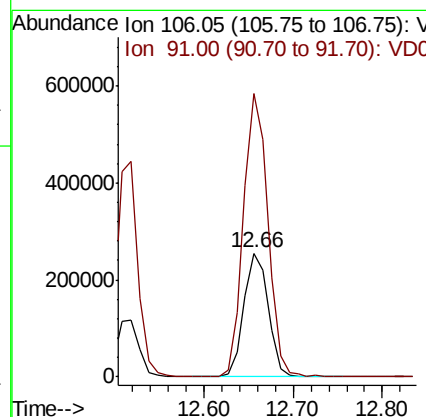
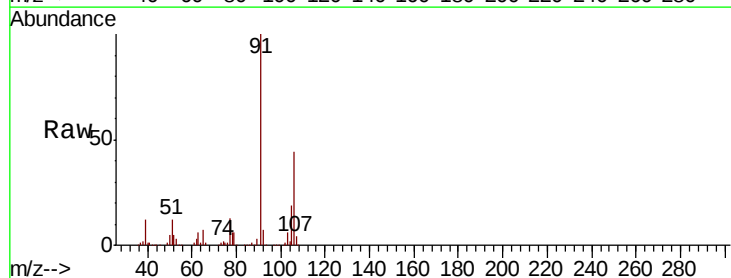
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

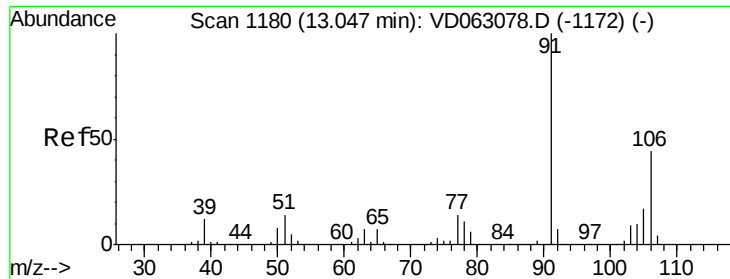
Tot Ion: 91 Resp: 730022
Ion Ratio Lower Upper
91 100
106 26.7 22.5 33.7



#68
m/p-Xylenes
Concen: 40.372 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 106 Resp: 486446
Ion Ratio Lower Upper
106 100
91 229.0 173.0 259.6

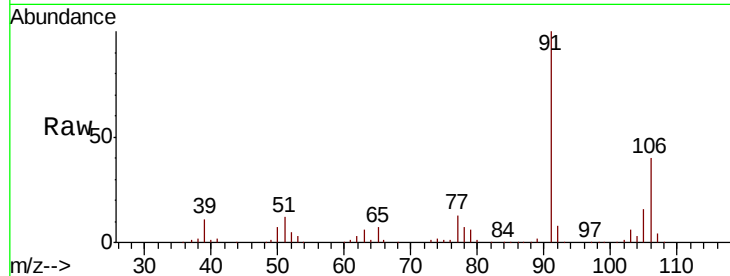




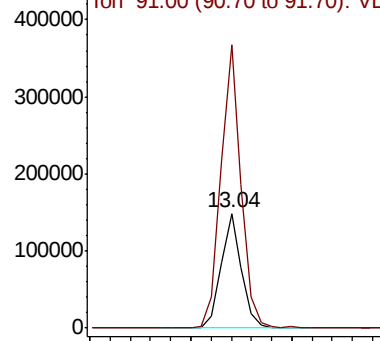
#69
o-Xylene
Concen: 18.332 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

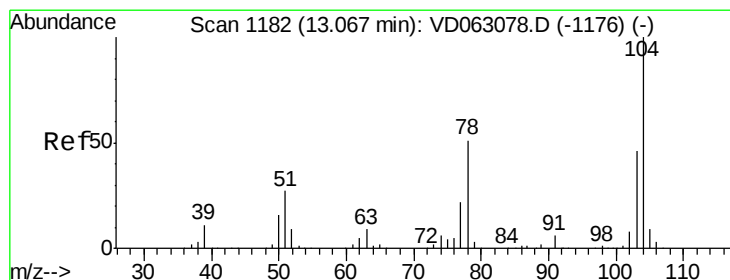
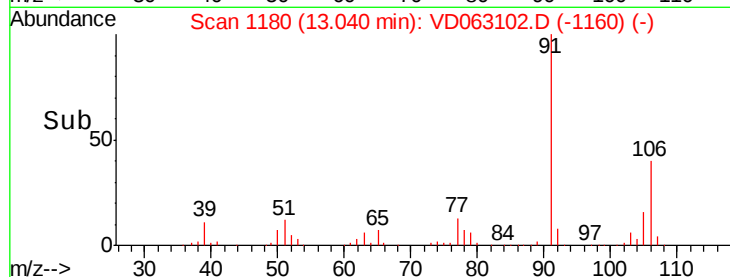
Tot Ion:106 Resp: 209444
Ion Ratio Lower Upper
106 100
91 247.2 114.9 344.7



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

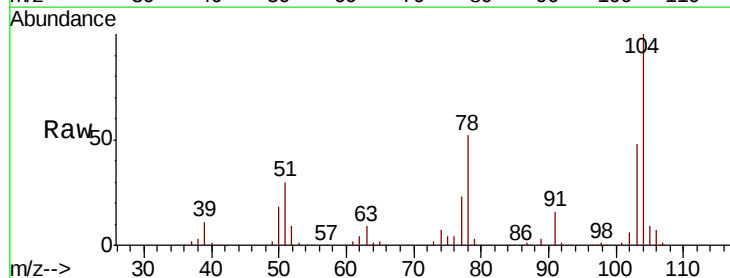


Time--> 12.90 13.00 13.10

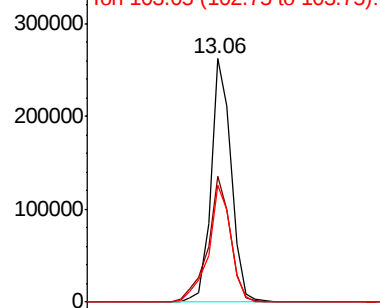


#70
Styrene
Concen: 19.261 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

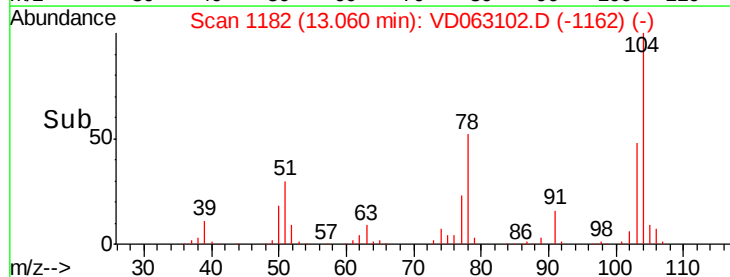
Tgt Ion:104 Resp: 385200
Ion Ratio Lower Upper
104 100
78 51.7 41.1 61.7
103 48.0 37.0 55.6

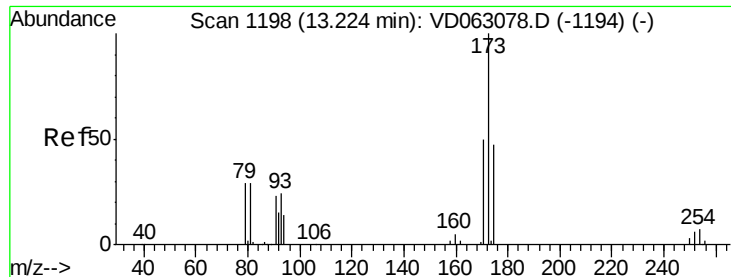


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 13.00 13.10 13.20

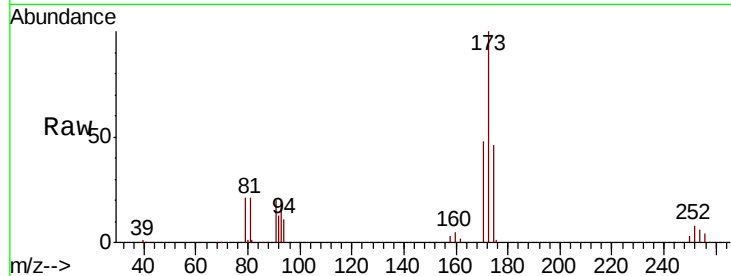




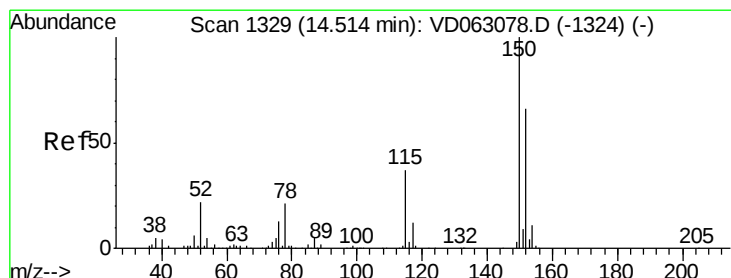
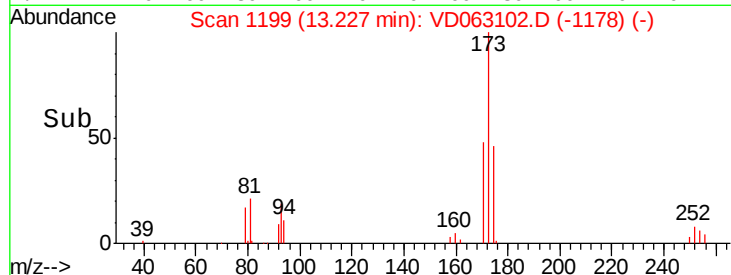
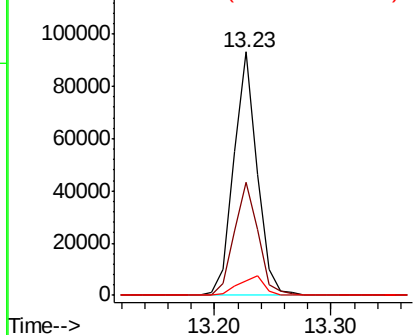
#71
Bromoform
Concen: 20.549 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD02

Tot Ion:173 Resp: 129142
Ion Ratio Lower Upper
173 100
175 46.4 23.4 70.2
254 6.0 5.4 8.0

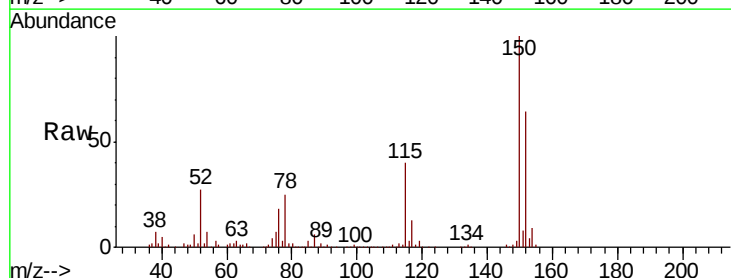


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

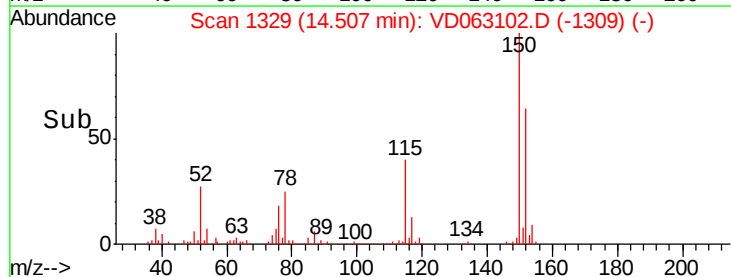
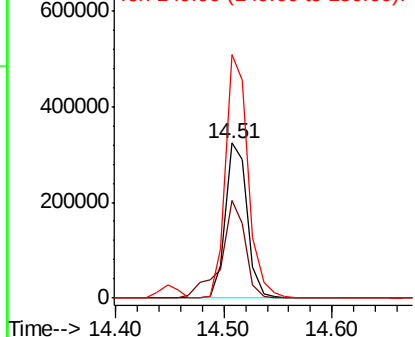


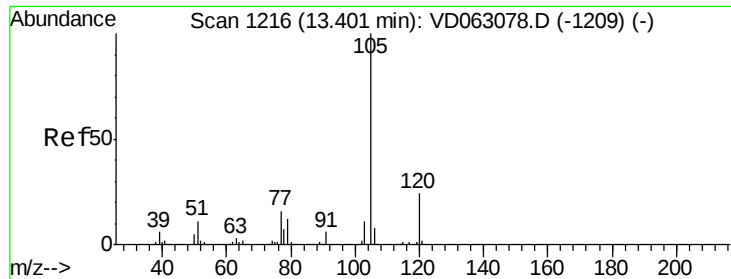
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion:152 Resp: 452084
Ion Ratio Lower Upper
152 100
115 63.2 28.9 86.8
150 156.9 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: 19.220 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

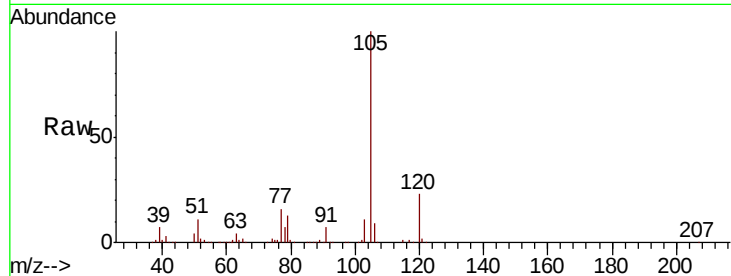
VD0716SBSD02

Tot Ion:105 Resp: 671016

Ion Ratio Lower Upper

105 100

120 22.5 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

500000

400000

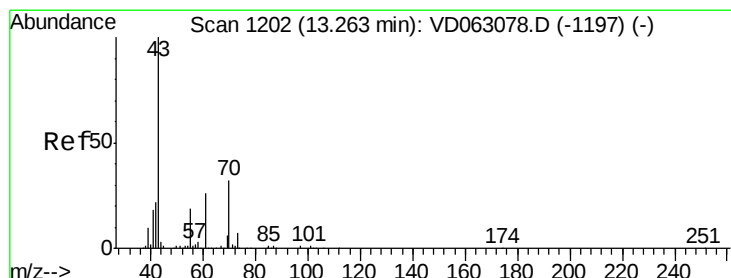
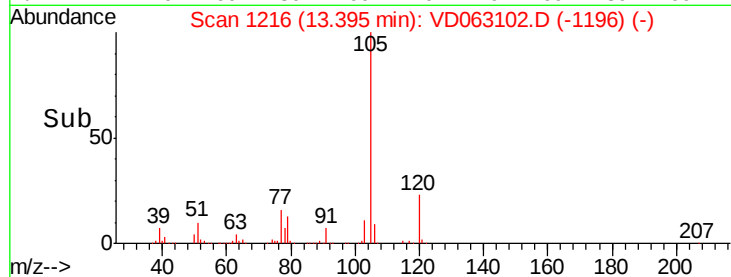
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.242 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Tgt Ion: 43 Resp: 177624

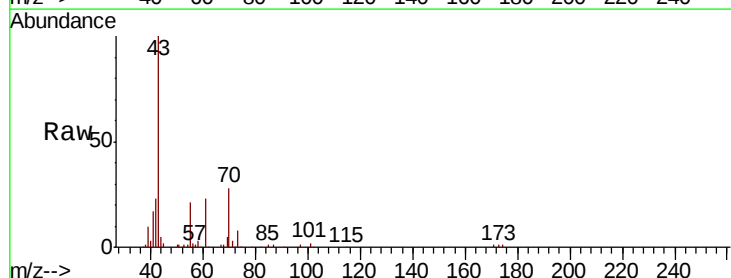
Ion Ratio Lower Upper

43 100

70 27.8 25.5 38.3

55 21.0 15.4 23.0

61 22.7 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

200000

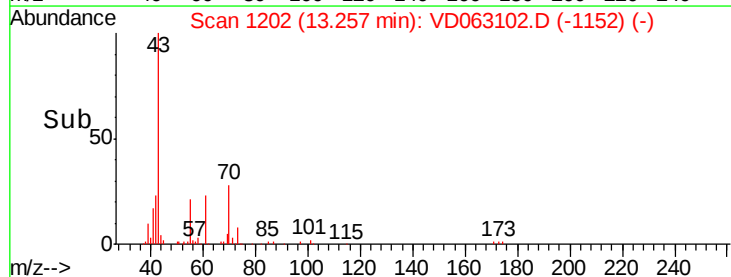
150000

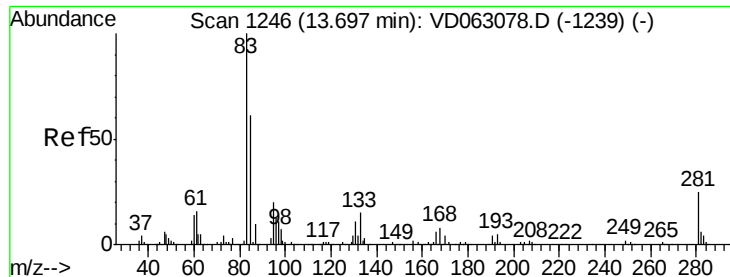
100000

50000

0

Time--> 13.20 13.25 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.429 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD02

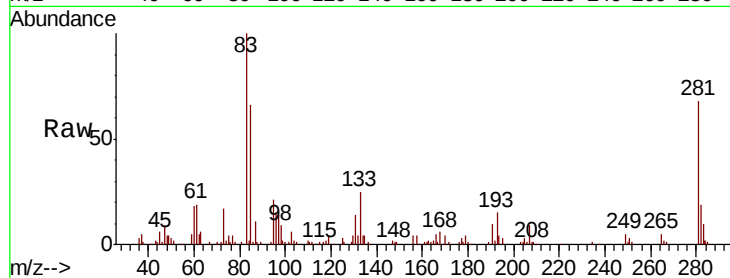
Tot Ion: 83 Resp: 123420

Ion Ratio Lower Upper

83 100

131 13.6 5.5 16.7

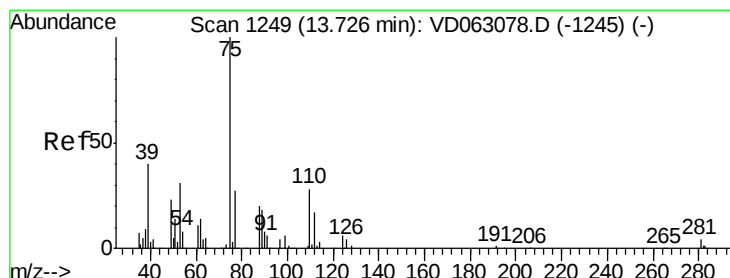
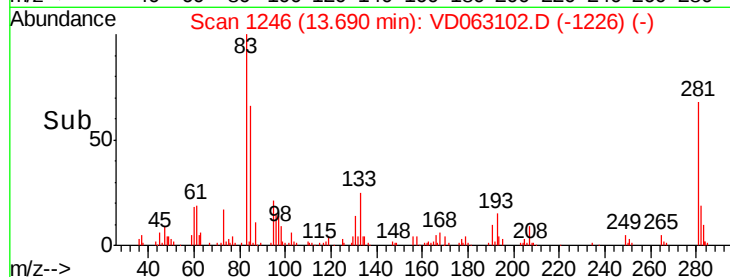
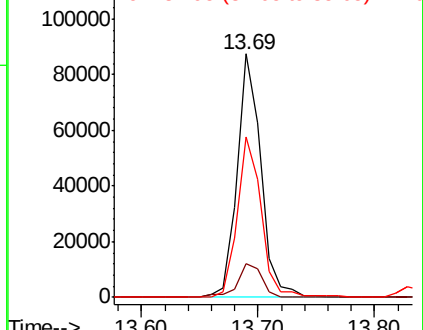
85 66.1 30.7 92.1



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: 20.514 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063102.D

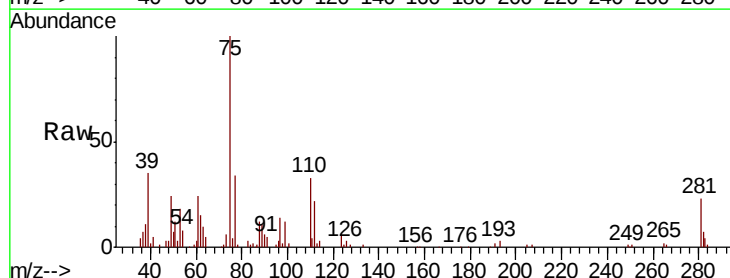
Acq: 16 Jul 2019 13:16

Tgt Ion: 75 Resp: 142665

Ion Ratio Lower Upper

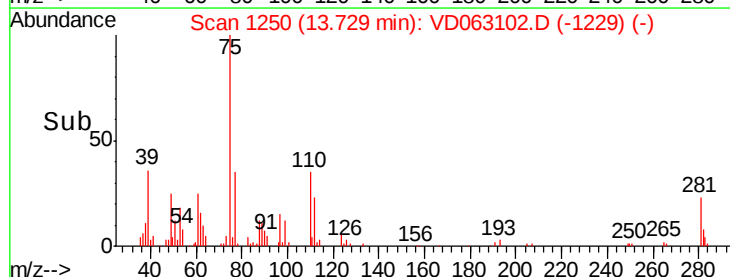
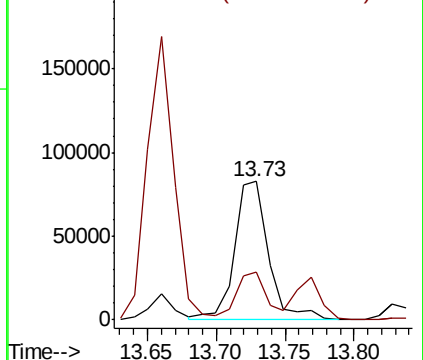
75 100

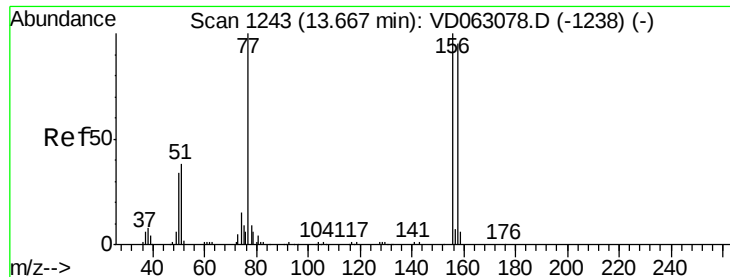
77 34.2 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

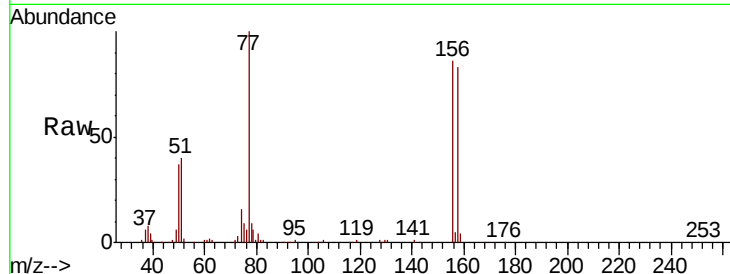




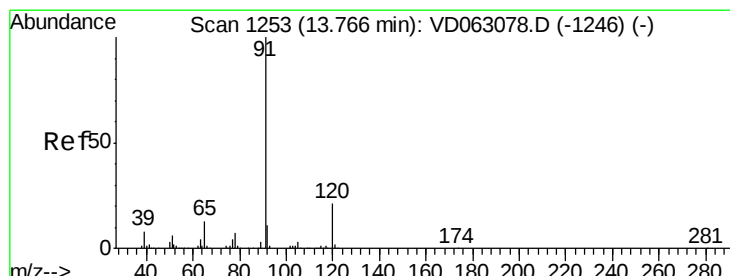
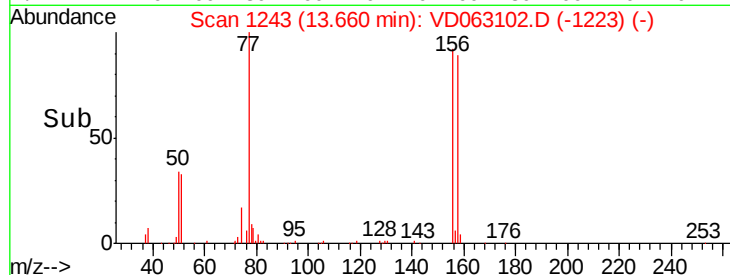
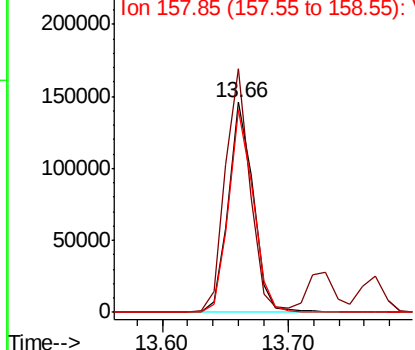
#77
Bromobenzene
Concen: 19.769 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tot Ion:156 Resp: 195730
Ion Ratio Lower Upper
156 100
77 115.9 50.2 150.7
158 96.7 47.6 142.9

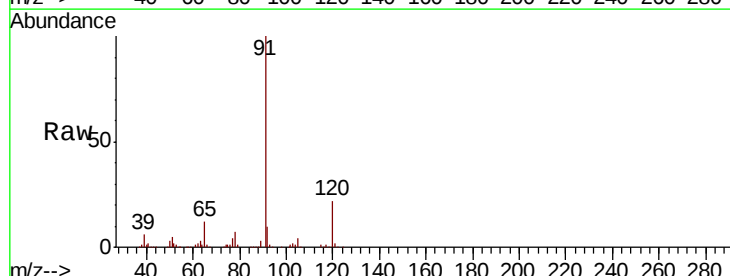


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

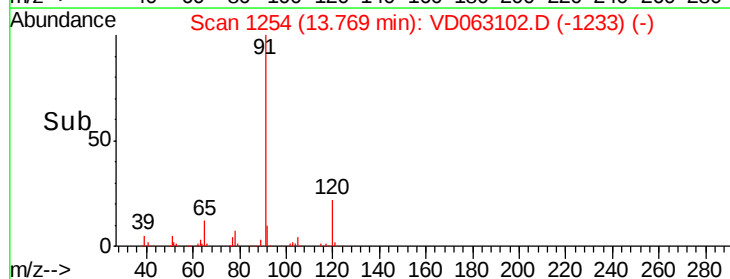
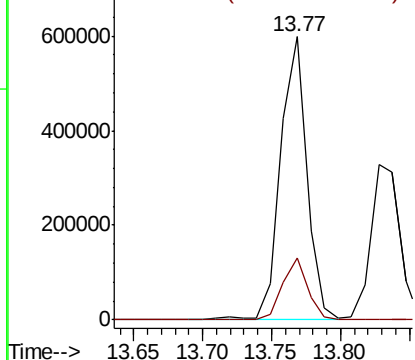


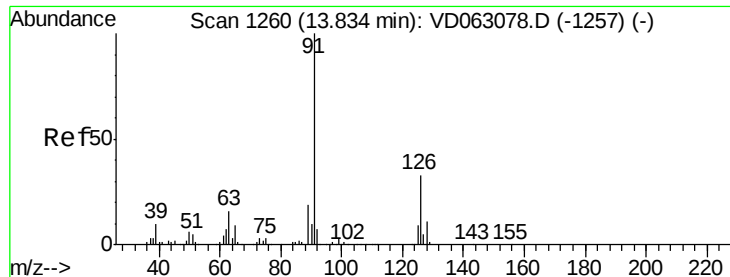
#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 91 Resp: 789124
Ion Ratio Lower Upper
91 100
120 22.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

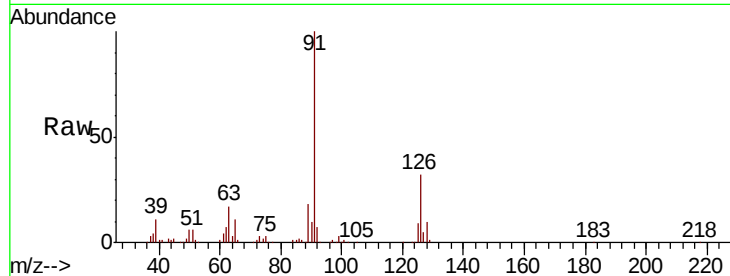




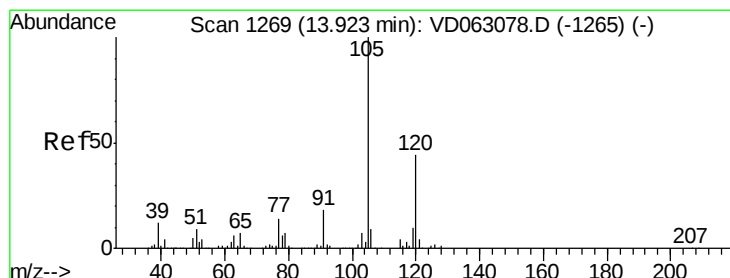
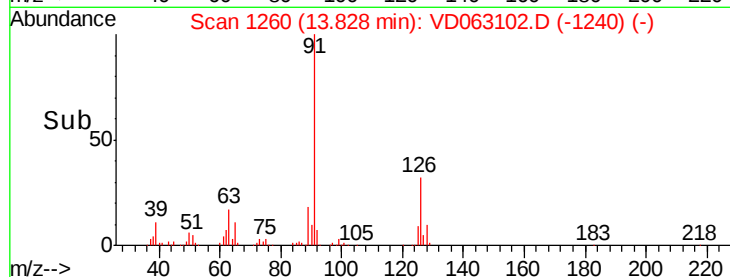
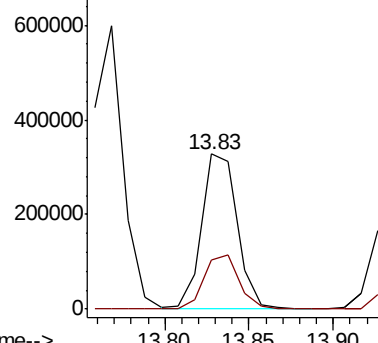
#79
 2-Chlorotoluene
 Concen: 19.803 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Tot Ion: 91 Resp: 481067
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.4 49.2

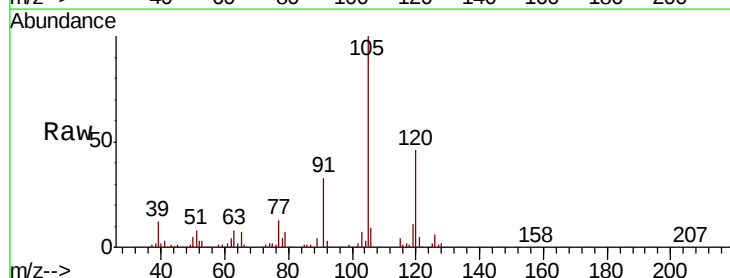


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.95 (125.65 to 126.65): V

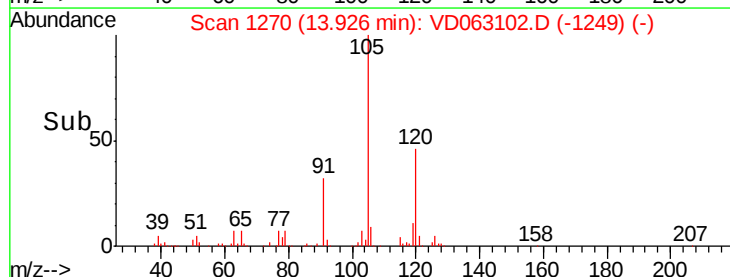
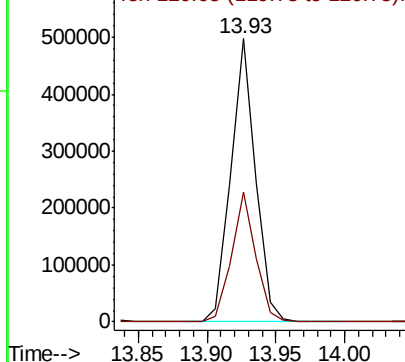


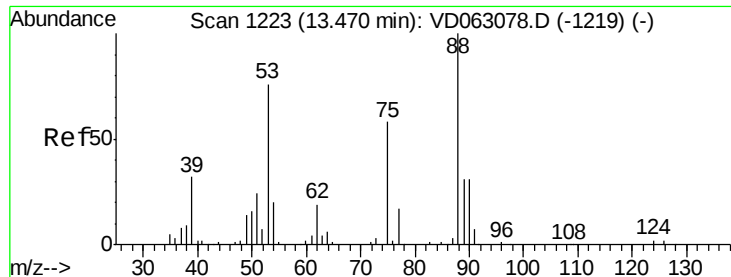
#80
 1,3,5-Trimethylbenzene
 Concen: 20.343 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion: 105 Resp: 619011
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.110 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD02

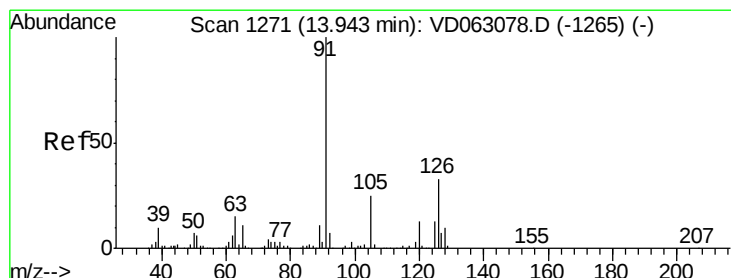
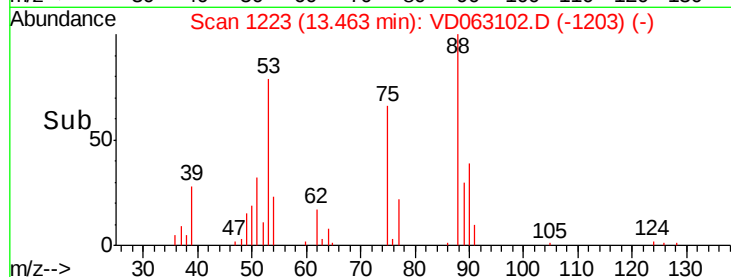
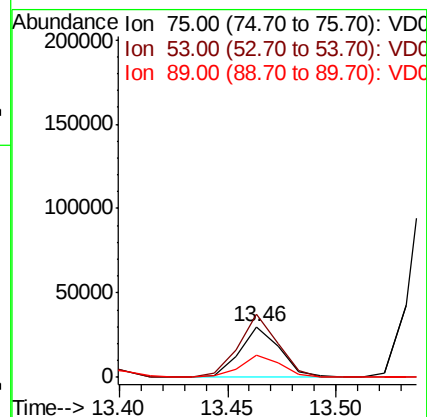
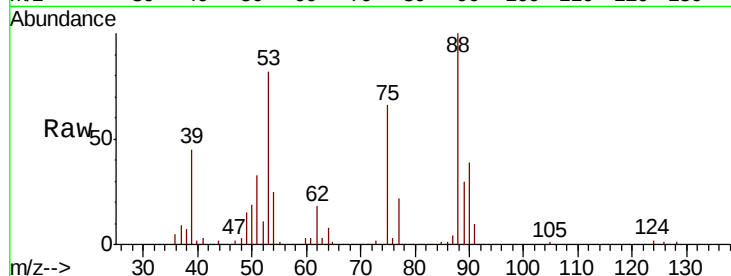
Tot Ion: 75 Resp: 38659

Ion Ratio Lower Upper

75 100

53 124.9 104.4 156.6

89 44.9 43.1 64.7



#82

4-Chlorotoluene

Concen: 21.071 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063102.D

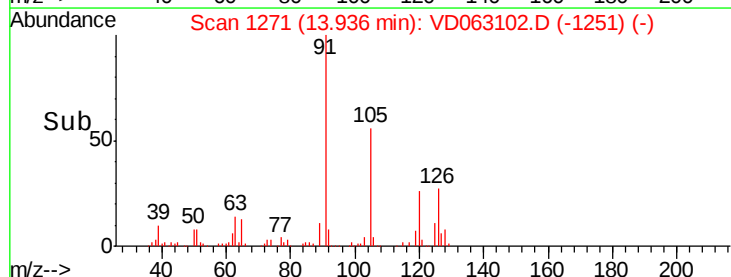
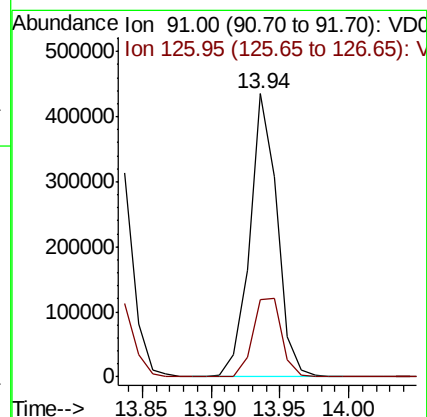
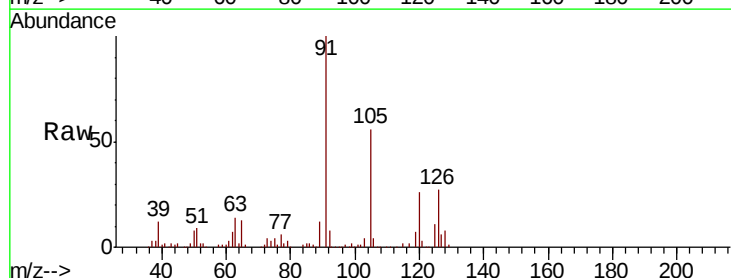
Acq: 16 Jul 2019 13:16

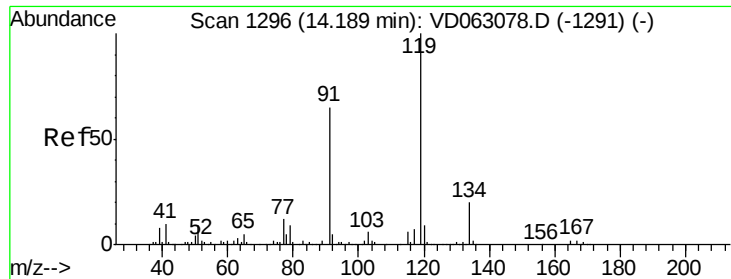
Tgt Ion: 91 Resp: 597727

Ion Ratio Lower Upper

91 100

126 27.1 16.7 50.1

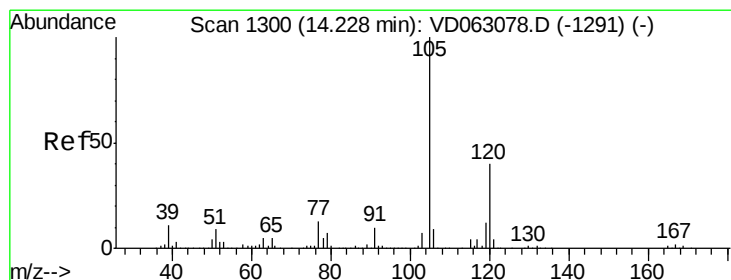
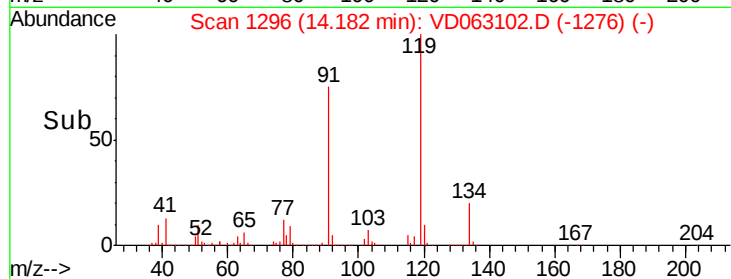
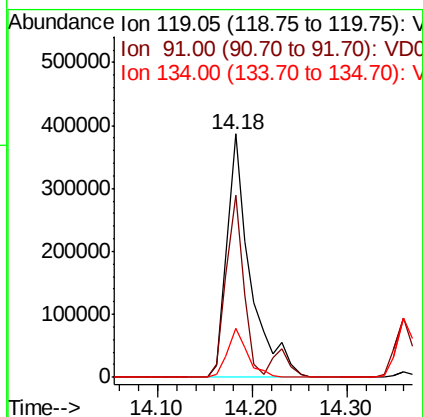
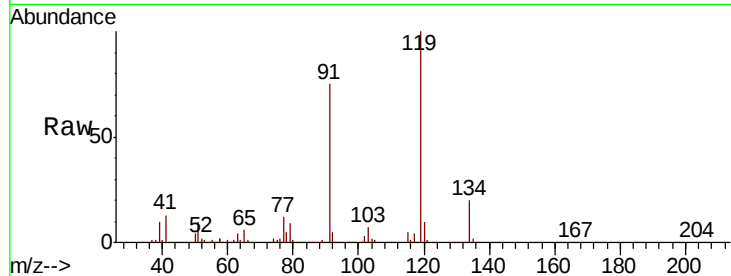




#83
tert-Butylbenzene
Concen: 19.290 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

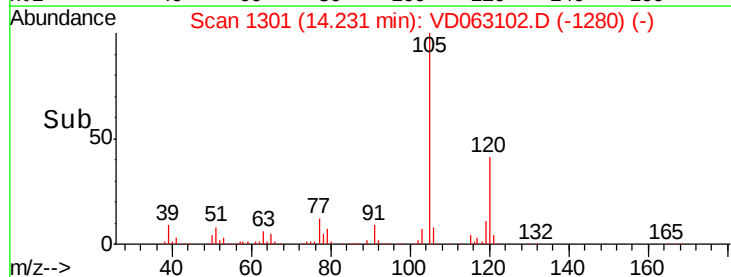
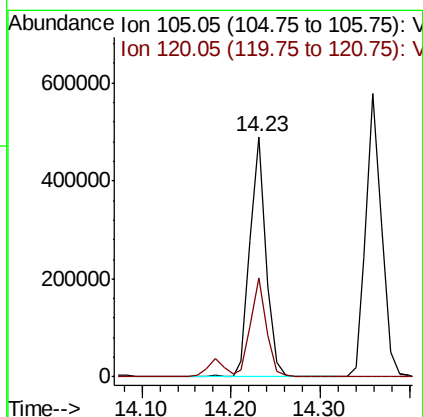
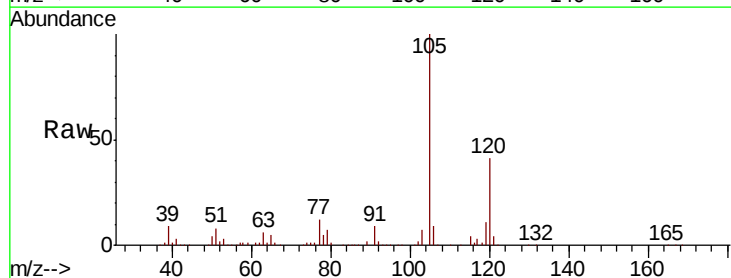
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

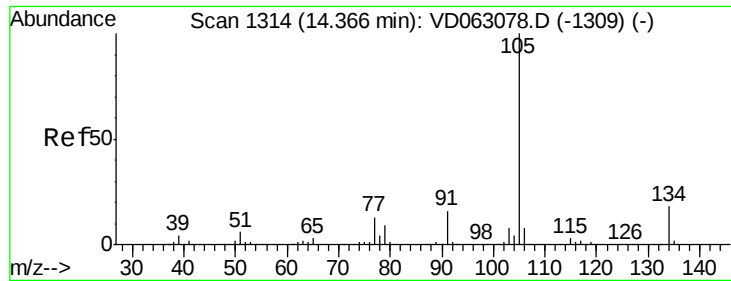
Tot Ion:119 Resp: 663697
Ion Ratio Lower Upper
119 100
91 75.0 32.4 97.2
134 20.2 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 20.032 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion:105 Resp: 607695
Ion Ratio Lower Upper
105 100
120 41.2 20.2 60.6

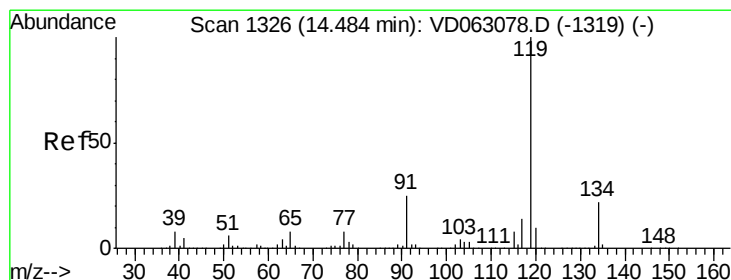
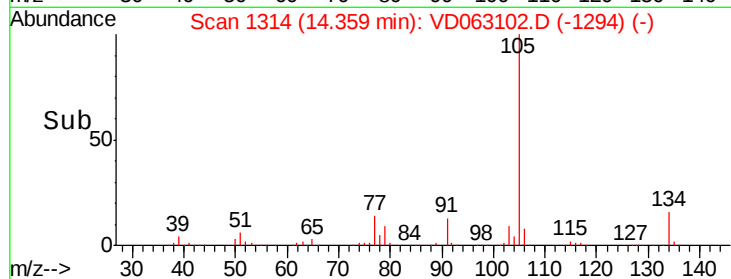
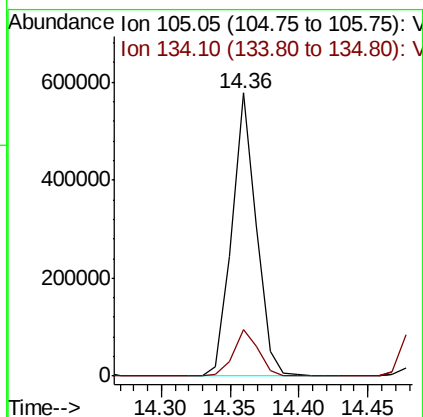
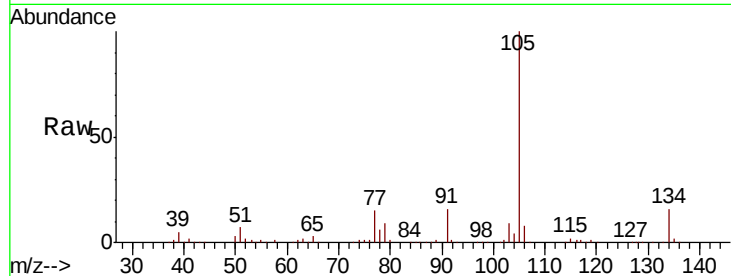




#85
 sec-Butylbenzene
 Concen: 19.584 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

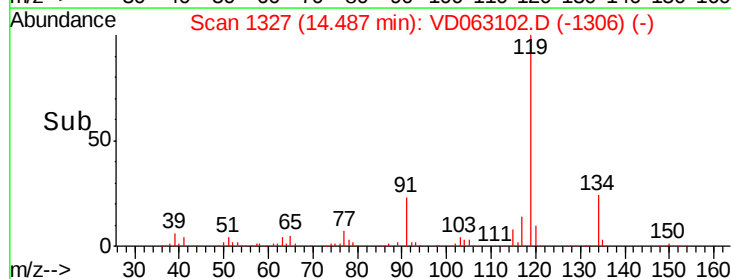
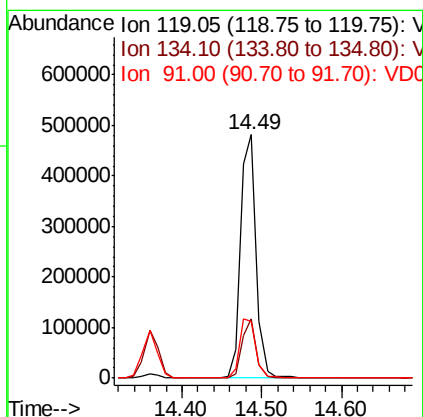
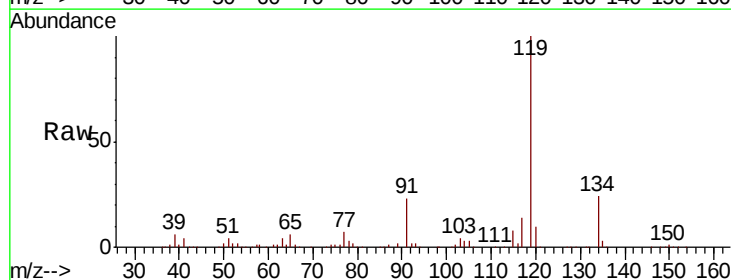
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

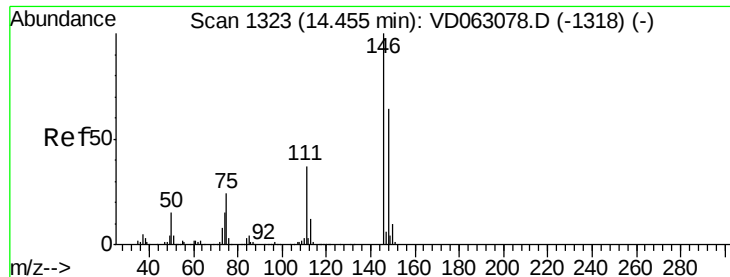
Tot Ion:105 Resp: 715903
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 19.178 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion:119 Resp: 654007
 Ion Ratio Lower Upper
 119 100
 134 24.4 10.8 32.4
 91 23.4 12.5 37.5

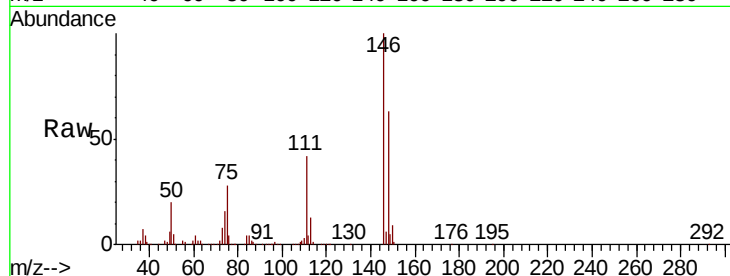




#87
 1,3-Dichlorobenzene
 Concen: 19.884 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.6	55.6
148	63.0	32.0	96.0

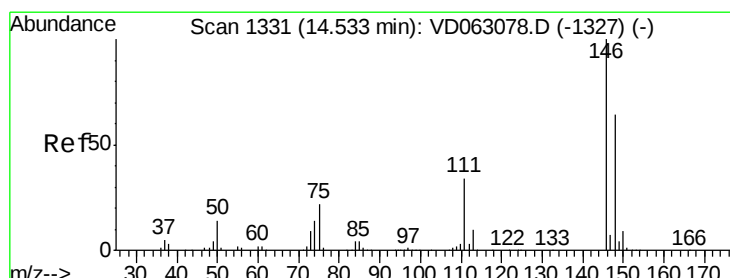
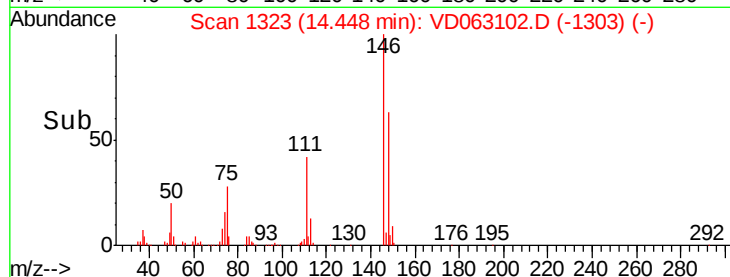
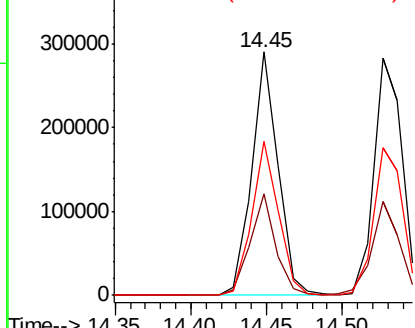


Abundance

Ion 145.95 (145.65 to 146.65): V

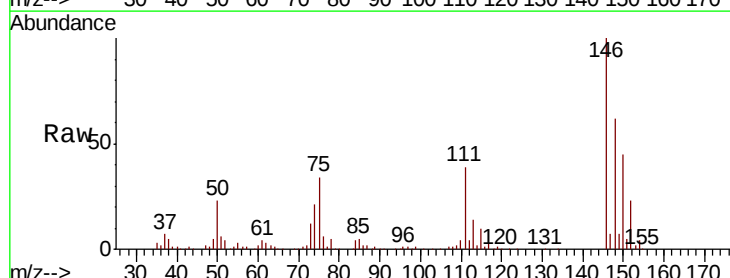
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 21.993 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	17.0	51.0
148	62.5	32.0	96.2

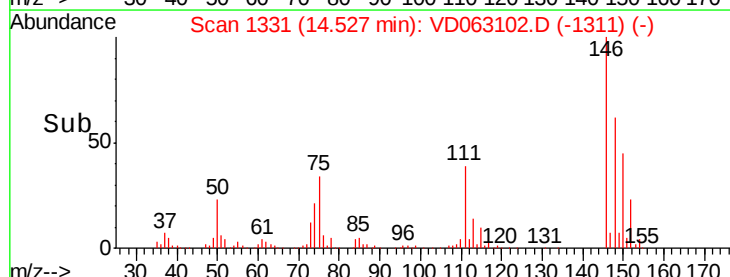
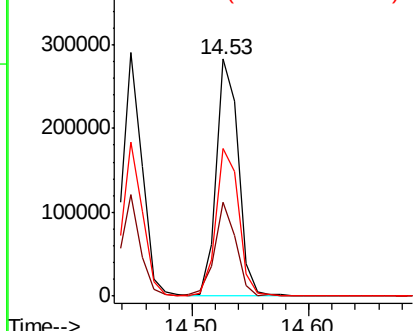


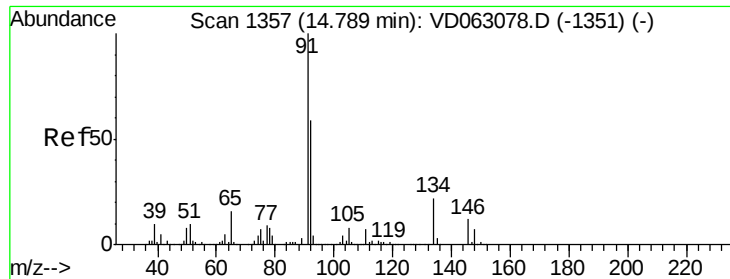
Abundance

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

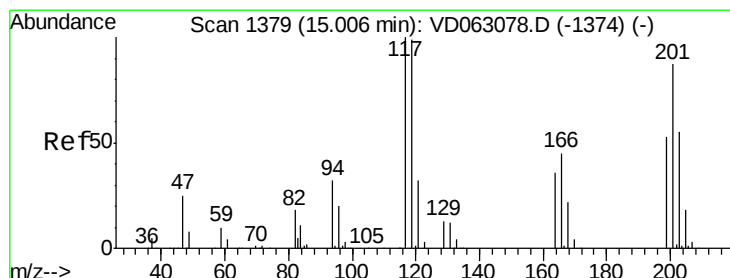
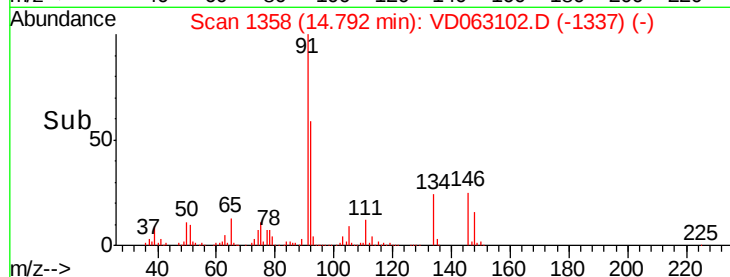
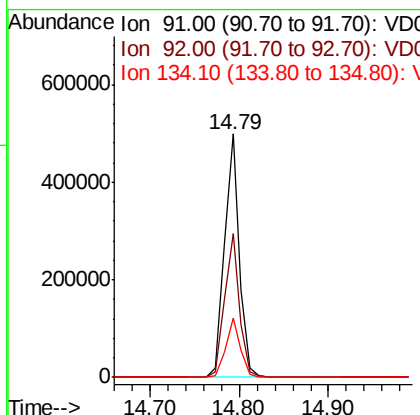
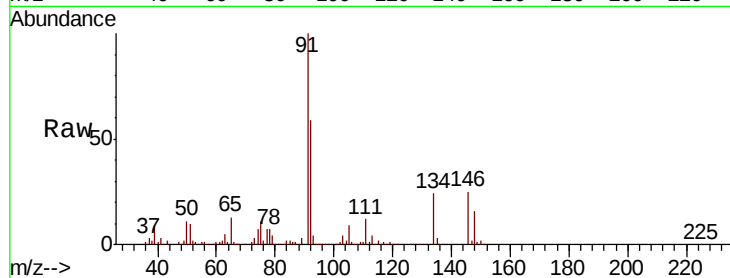




#89
n-Butylbenzene
Concen: 18.811 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

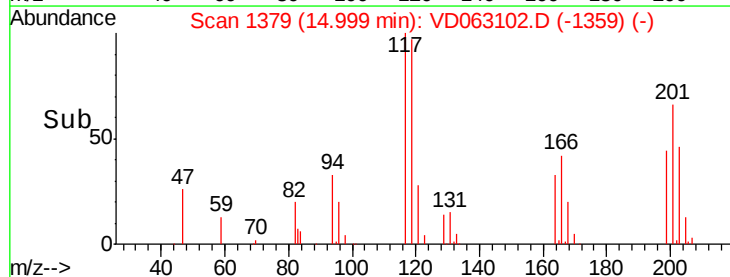
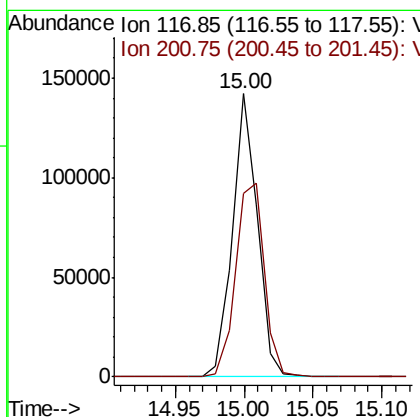
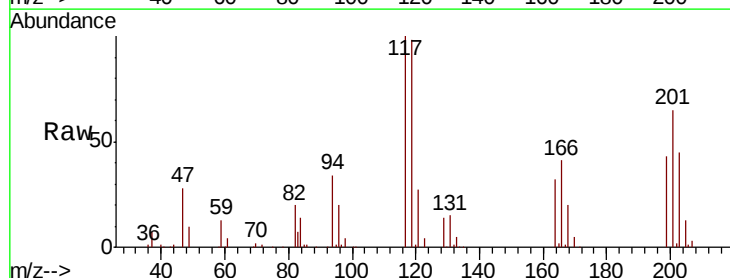
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBSD02

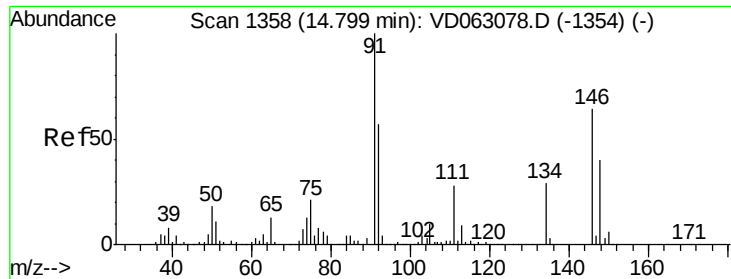
Tot Ion: 91 Resp: 591268
Ion Ratio Lower Upper
91 100
92 58.9 29.4 88.3
134 24.4 11.3 33.8



#90
Hexachloroethane
Concen: 19.523 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion: 117 Resp: 177974
Ion Ratio Lower Upper
117 100
201 65.0 43.4 130.1





#91

1,2-Dichlorobenzene

Concen: 19.816 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBSD02

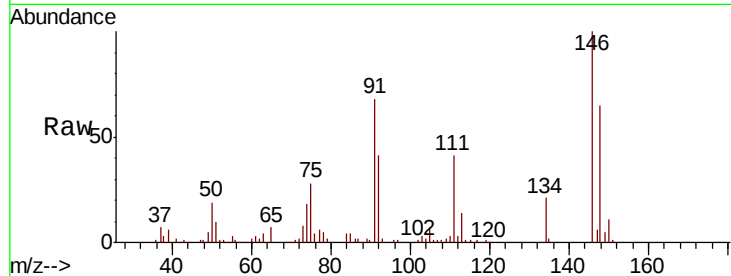
Tot Ion:146 Resp: 311999

Ion Ratio Lower Upper

146 100

111 41.0 21.9 65.5

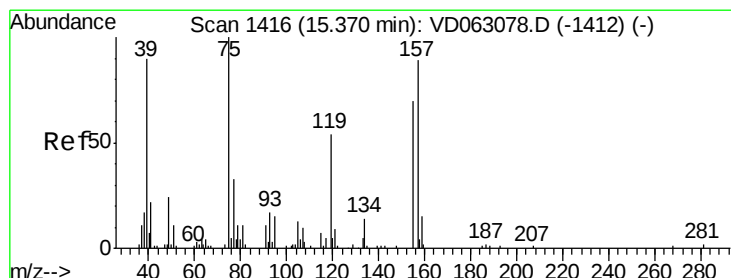
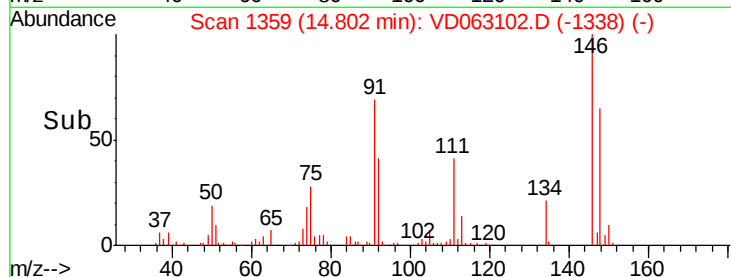
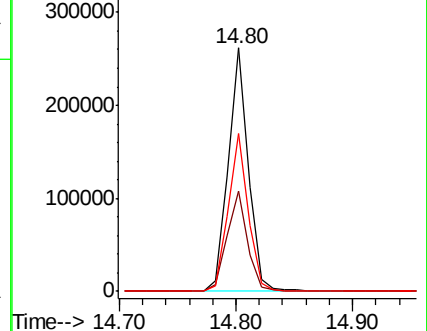
148 64.9 31.5 94.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.821 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063102.D

Acq: 16 Jul 2019 13:16

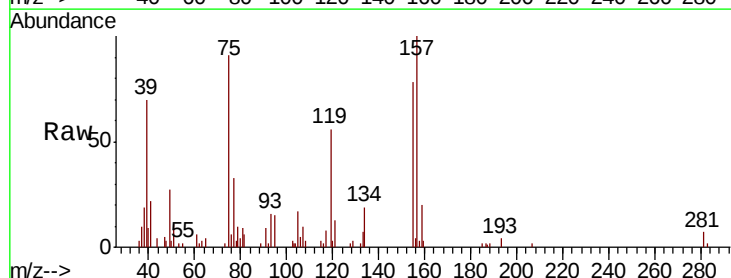
Tgt Ion: 75 Resp: 21698

Ion Ratio Lower Upper

75 100

155 85.6 34.8 104.3

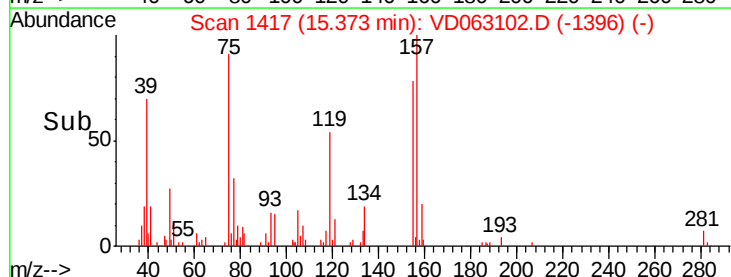
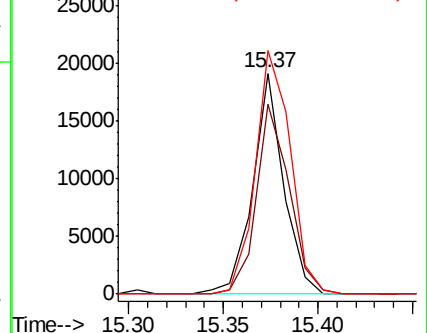
157 110.1 44.7 134.1

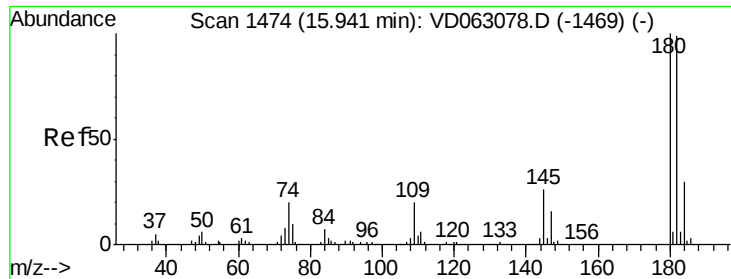


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

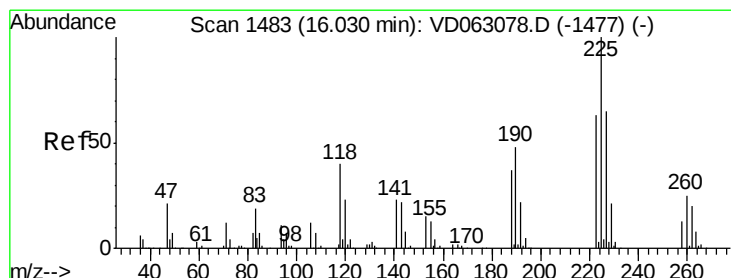
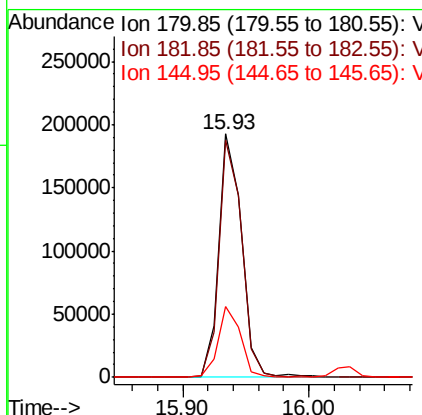
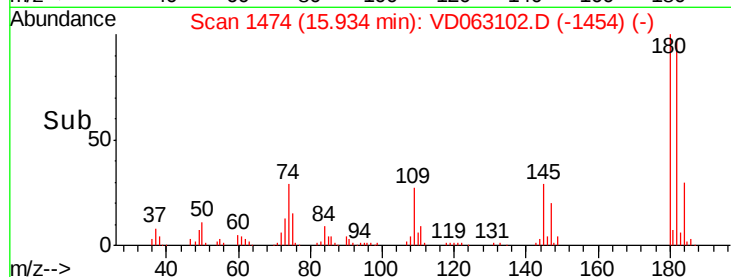
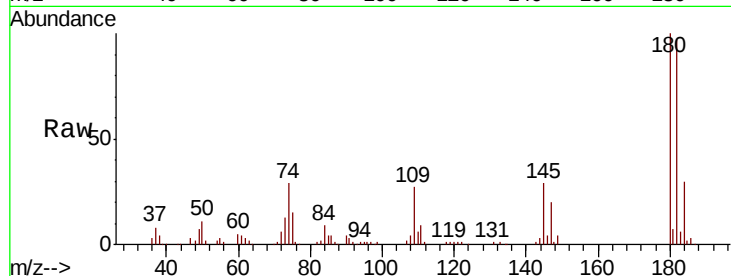




#93
 1,2,4-Trichlorobenzene
 Concen: 20.606 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

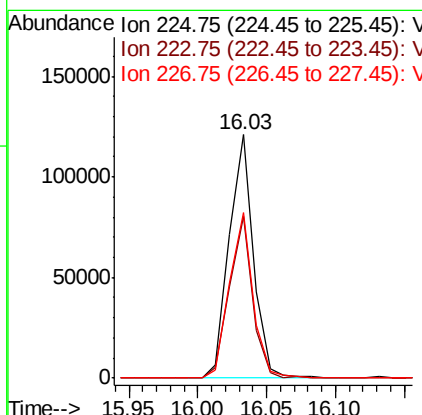
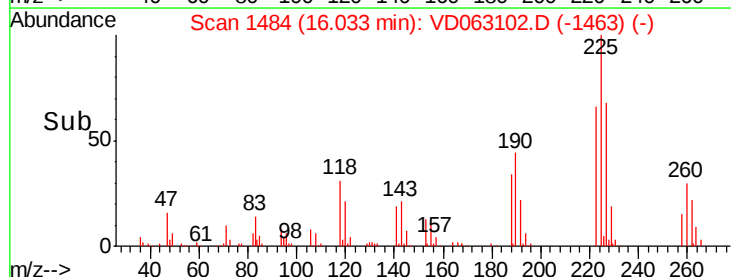
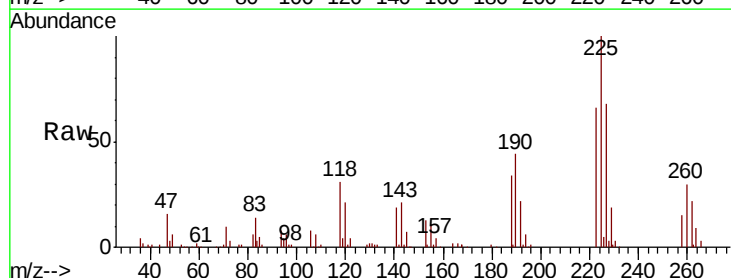
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

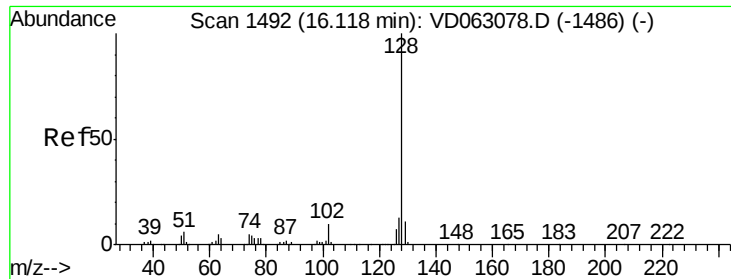
Tot Ion:180 Resp: 243743
 Ion Ratio Lower Upper
 180 100
 182 97.4 49.5 148.3
 145 29.0 12.8 38.4



#94
 Hexachlorobutadiene
 Concen: 16.985 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063102.D
 Acq: 16 Jul 2019 13:16

Tgt Ion:225 Resp: 148090
 Ion Ratio Lower Upper
 225 100
 223 66.3 31.4 94.2
 227 68.2 32.6 97.8

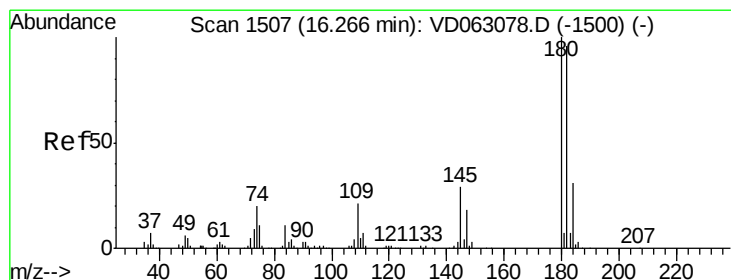
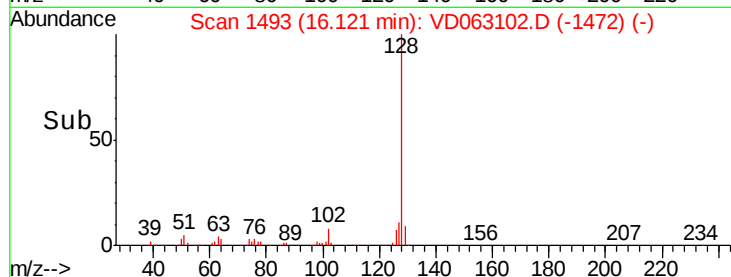
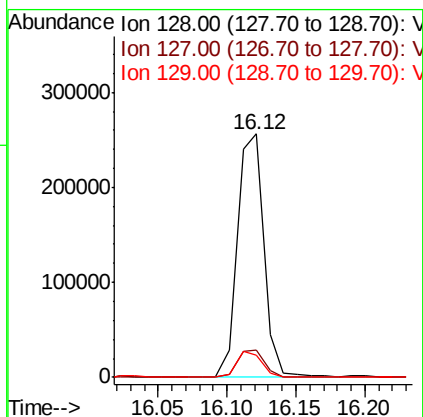
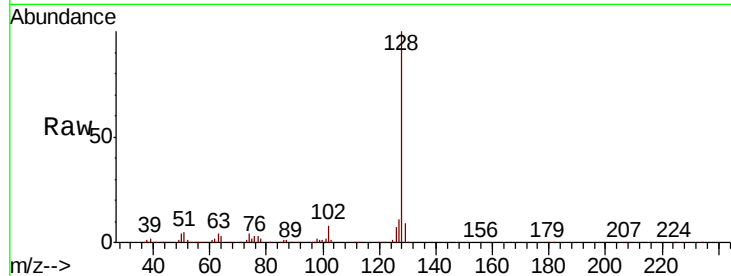




#95
Naphthalene
Concen: 19.884 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tot Ion:128 Resp: 344056
Ion Ratio Lower Upper
128 100
127 11.2 10.7 16.1
129 9.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.165 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063102.D
Acq: 16 Jul 2019 13:16

Tgt Ion:180 Resp: 182368
Ion Ratio Lower Upper
180 100
182 98.8 47.9 143.6
145 30.3 14.4 43.4

