

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063309.D
 Acq On : 2 Aug 2019 11:50
 Operator : VA/AP
 Sample : VD0802SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

Quant Time: Aug 04 03:36:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1110957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1487632	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1269773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	674062	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	624162	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	6.90	113	694119	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
50) Toluene-d8	10.40	98	1470284	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	13.55	95	673000	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	285052	20.991	ug/l	93
3) Chloromethane	1.74	50	231690	21.959	ug/l	91
4) Vinyl Chloride	1.84	62	215026	19.687	ug/l	99
5) Bromomethane	2.14	94	88623	16.088	ug/l	97
6) Chloroethane	2.24	64	90191	17.885	ug/l #	88
7) Trichlorofluoromethane	2.51	101	421882	19.910	ug/l	98
8) Diethyl Ether	2.85	74	56234	18.962	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	228938	19.505	ug/l	96
10) Methyl Iodide	3.29	142	295199	17.409	ug/l	93
11) Tert butyl alcohol	4.07	59	47658	88.097	ug/l	97
12) 1,1-Dichloroethene	3.10	96	169734	19.698	ug/l	85
13) Acrolein	3.02	56	44726	85.906	ug/l	89
14) Allyl chloride	3.60	41	264133	19.242	ug/l	94
15) Acrylonitrile	4.18	53	130964	93.378	ug/l	98
16) Acetone	3.21	43	217117	90.397	ug/l	99
17) Carbon Disulfide	3.36	76	556680	19.301	ug/l	99
18) Methyl Acetate	3.62	43	85782	18.594	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	385281	19.794	ug/l	97
20) Methylene Chloride	3.79	84	191017	19.675	ug/l	93
21) trans-1,2-Dichloroethene	4.19	96	194904	20.158	ug/l	97
22) Diisopropyl ether	5.10	45	549306	20.029	ug/l	95
23) Vinyl Acetate	5.03	43	1617329	95.936	ug/l	98
24) 1,1-Dichloroethane	4.96	63	368337	21.026	ug/l	100
25) 2-Butanone	6.05	43	224811	93.266	ug/l	98
26) 2,2-Dichloropropane	6.00	77	359130	19.893	ug/l	94
27) cis-1,2-Dichloroethene	6.01	96	199677	19.262	ug/l	89
28) Bromochloromethane	6.42	49	131658	18.863	ug/l #	93
29) Tetrahydrofuran	6.45	42	102520	89.835	ug/l	97
30) Chloroform	6.64	83	430255	19.791	ug/l	98
31) Cyclohexane	6.93	56	208312	18.971	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	426451	20.280	ug/l	91
36) 1,1-Dichloropropene	7.13	75	285520	21.030	ug/l	92
37) Ethyl Acetate	6.16	43	120514	19.758	ug/l #	83
38) Carbon Tetrachloride	7.09	117	409284	20.025	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	235457	20.816	ug/l	97
40) Benzene	7.43	78	602836	21.186	ug/l	96
41) Methacrylonitrile	6.43	41	135747	18.605	ug/l #	74
42) 1,2-Dichloroethane	7.56	62	288628	19.140	ug/l	96
43) Isopropyl Acetate	9.22	43	149185	19.148	ug/l #	95
44) Trichloroethene	8.52	130	233234	20.229	ug/l	99
45) 1,2-Dichloropropane	8.92	63	141093	19.509	ug/l	94
46) Dibromomethane	9.05	93	118026	19.627	ug/l	95
47) Bromodichloromethane	9.36	83	310707	20.269	ug/l	98
48) Methyl methacrylate	9.11	41	100980	19.984	ug/l	89
49) 1,4-Dioxane	9.08	88	17256	400.655	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	549406	103.686	ug/l	99
52) Toluene	10.49	92	388535	20.531	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	272435	20.615	ug/l	95
54) cis-1,3-Dichloropropene	10.02	75	282268	20.323	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	132133	20.673	ug/l #	93
56) Ethyl methacrylate	11.03	69	143774	20.542	ug/l	92
57) 1,3-Dichloropropane	11.40	76	203104	20.168	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	399187	109.612	ug/l	98
59) 2-Hexanone	11.52	43	386748	101.283	ug/l	98
60) Dibromochloromethane	11.67	129	246076	20.394	ug/l	100
61) 1,2-Dibromoethane	11.79	107	161826	20.519	ug/l	97
64) Tetrachloroethene	11.24	164	207773	20.539	ug/l	97
65) Chlorobenzene	12.38	112	500230	20.482	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	218029	20.266	ug/l	94
67) Ethyl Benzene	12.51	91	804483	19.390	ug/l	100
68) m/p-Xylenes	12.66	106	630137	41.414	ug/l	95
69) o-Xylene	13.04	106	296844	21.245	ug/l	90
70) Styrene	13.06	104	511158	20.628	ug/l	99
71) Bromoform	13.23	173	138604	17.716	ug/l	100
73) Isopropylbenzene	13.40	105	853396	20.172	ug/l	99
74) N-amyl acetate	13.26	43	201593	18.025	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	149467	20.799	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	158165	19.535	ug/l	96
77) Bromobenzene	13.66	156	239826	19.900	ug/l	87
78) n-propylbenzene	13.76	91	1027311	20.405	ug/l	99
79) 2-Chlorotoluene	13.83	91	601650	20.624	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	770285	21.110	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	38149	16.969	ug/l	87
82) 4-Chlorotoluene	13.94	91	733674	21.370	ug/l	97
83) tert-Butylbenzene	14.19	119	823739	19.771	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	737382	19.537	ug/l	97
85) sec-Butylbenzene	14.36	105	924073	21.051	ug/l	98
86) p-Isopropyltoluene	14.48	119	874513	20.873	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	412993	19.351	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	404630	18.748	ug/l	97
89) n-Butylbenzene	14.80	91	745566	20.604	ug/l	100
90) Hexachloroethane	15.00	117	217640	19.939	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	370473	19.923	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24286	16.591	ug/l	77

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

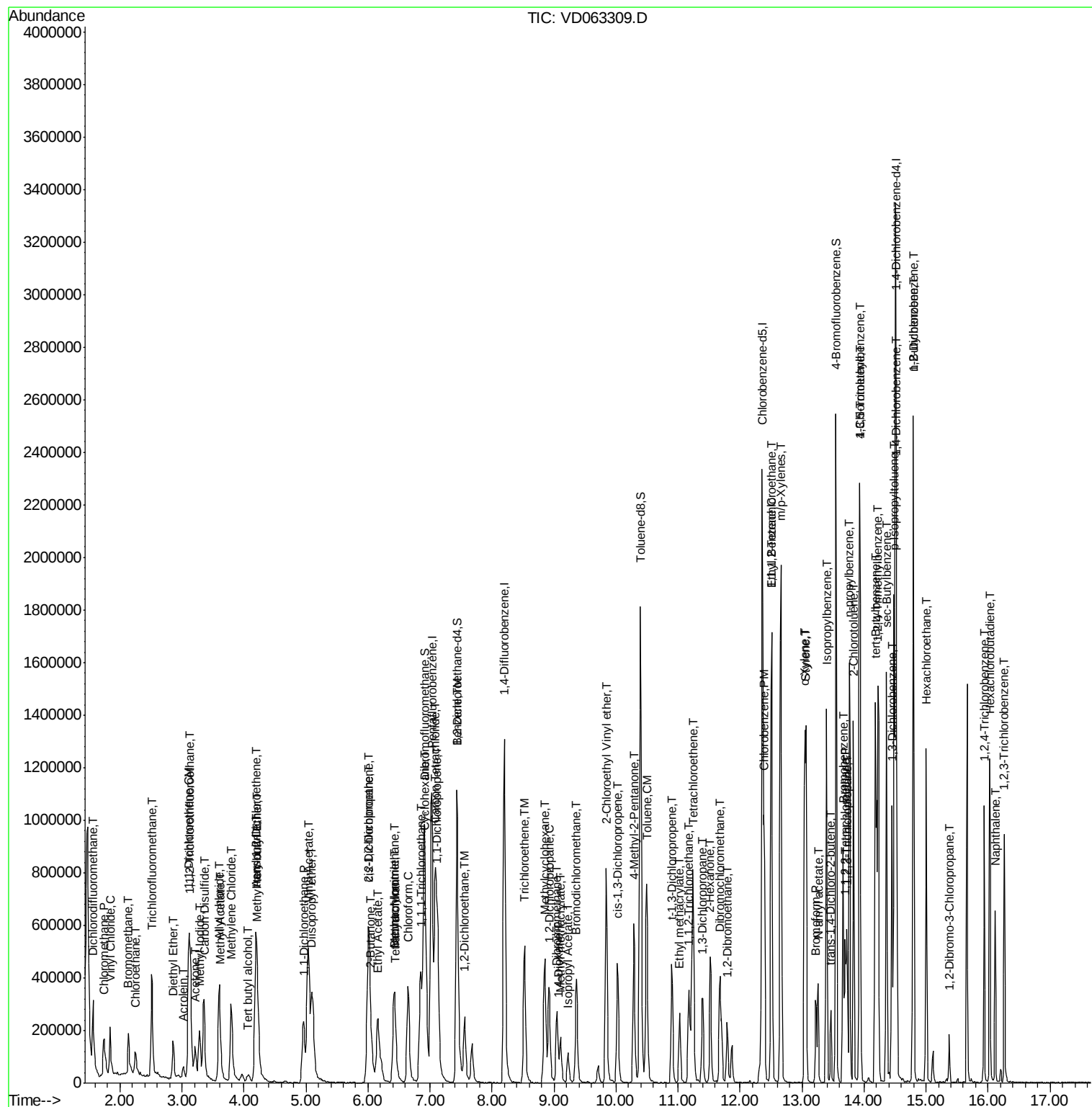
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	253706	17.198	ug/l	98
94) Hexachlorobutadiene	16.03	225	210182	19.661	ug/l	94
95) Naphthalene	16.11	128	374116	17.943	ug/l	96
96) 1,2,3-Trichlorobenzene	16.26	180	220014	18.879	ug/l	94

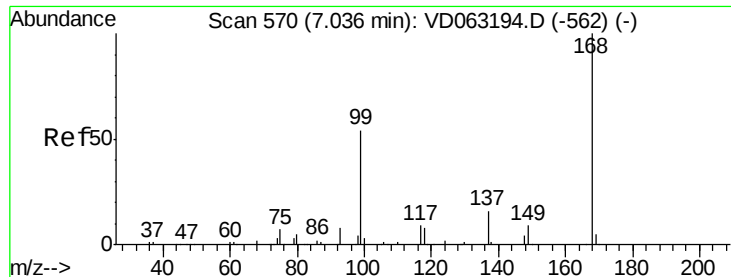
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

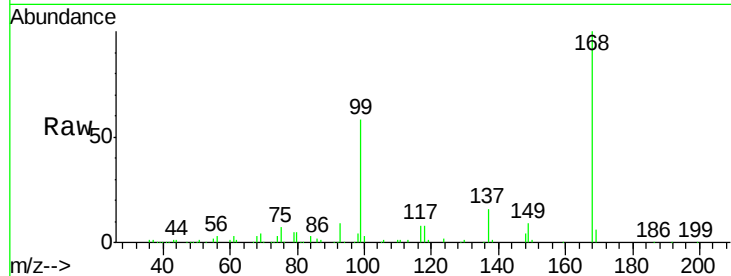
VD0802SBS01

Tot Ion:168 Resp: 1110957

Ion Ratio Lower Upper

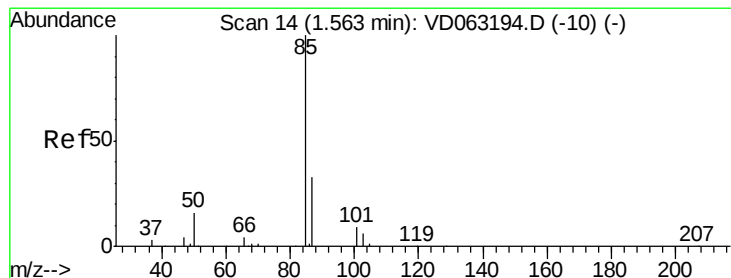
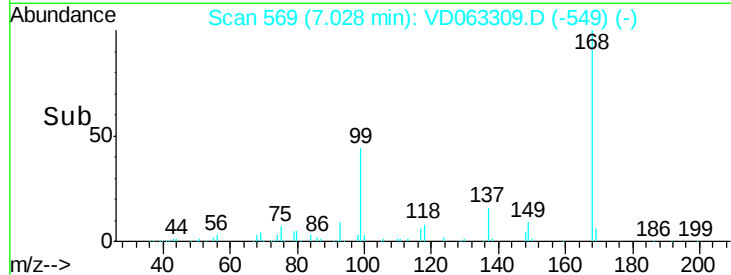
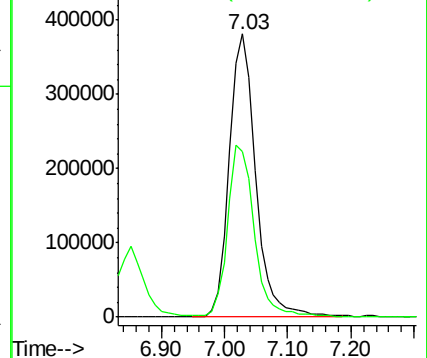
168 100

99 58.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.991 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063309.D

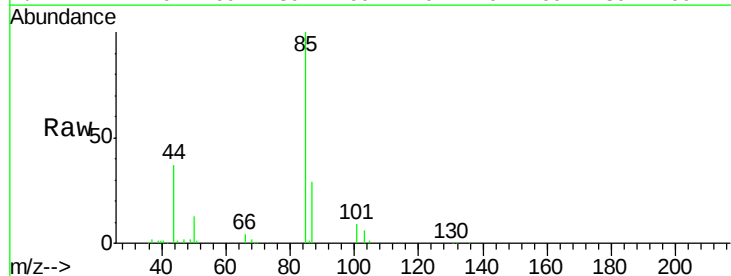
Acq: 2 Aug 2019 11:50

Tgt Ion: 85 Resp: 285052

Ion Ratio Lower Upper

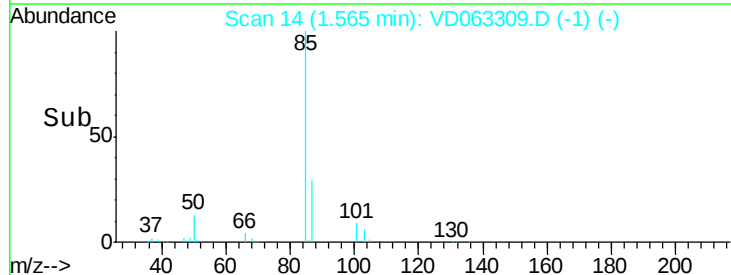
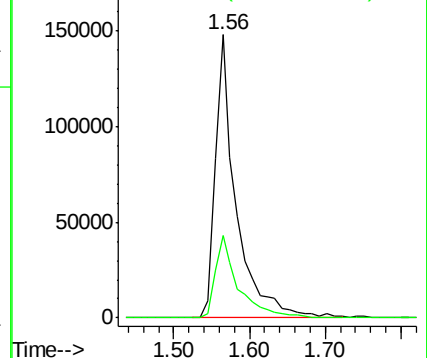
85 100

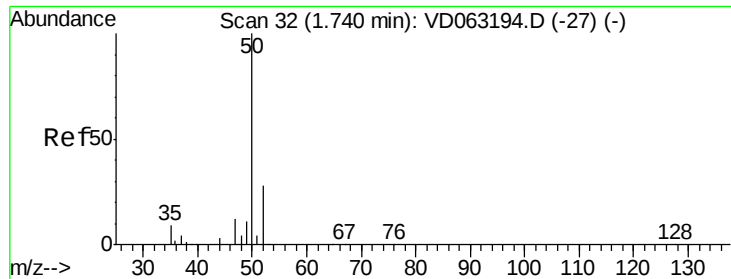
87 29.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.959 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

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ClientSampleId :

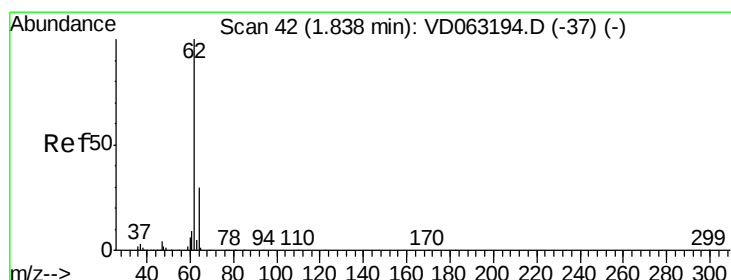
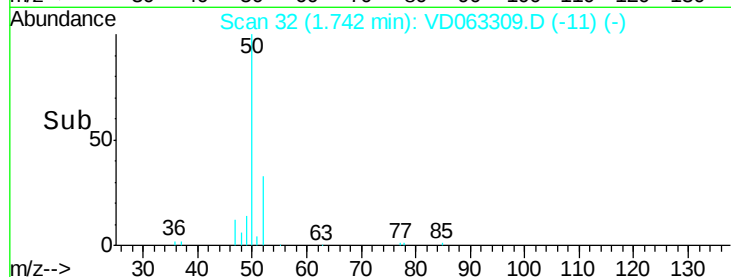
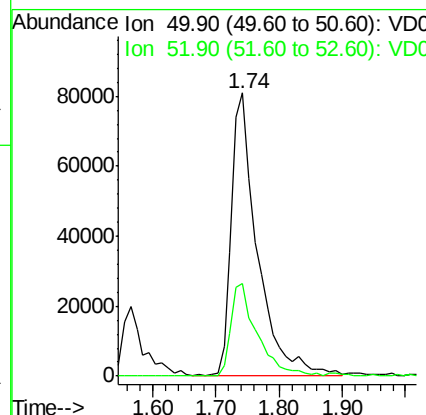
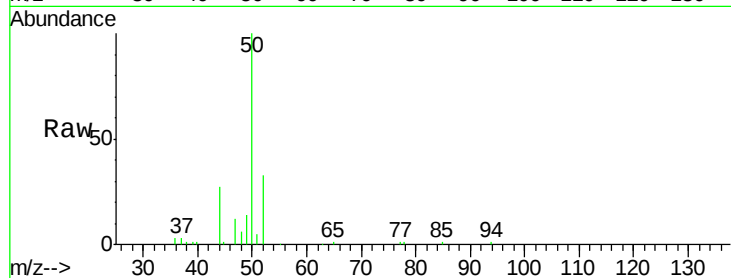
VD0802SBS01

Tot Ion: 50 Resp: 231690

Ion Ratio Lower Upper

50 100

52 32.9 22.6 34.0



#4

Vinyl Chloride

Concen: 19.687 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063309.D

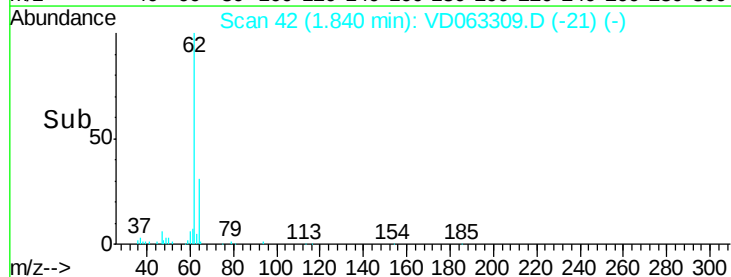
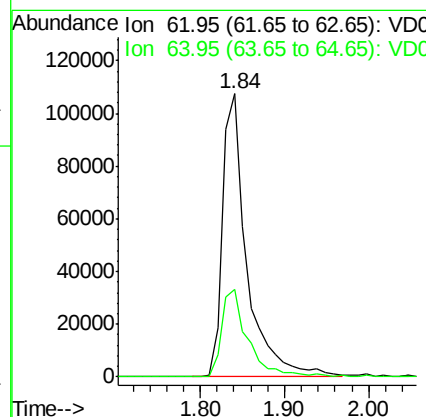
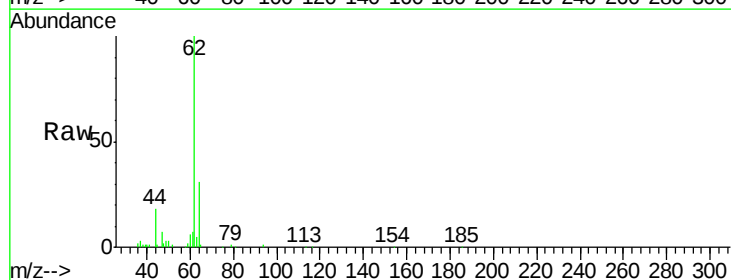
Acq: 2 Aug 2019 11:50

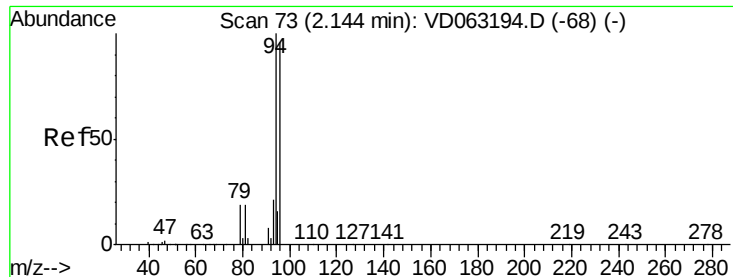
Tgt Ion: 62 Resp: 215026

Ion Ratio Lower Upper

62 100

64 30.7 24.1 36.1





#5

Bromomethane

Concen: 16.088 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

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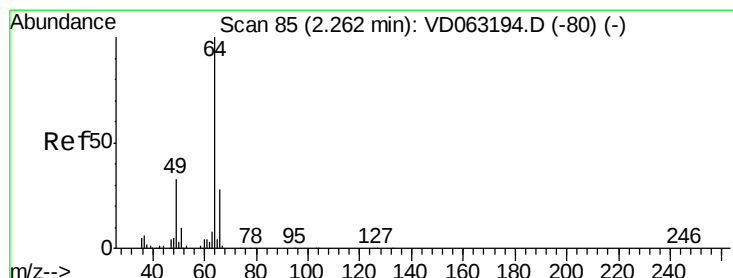
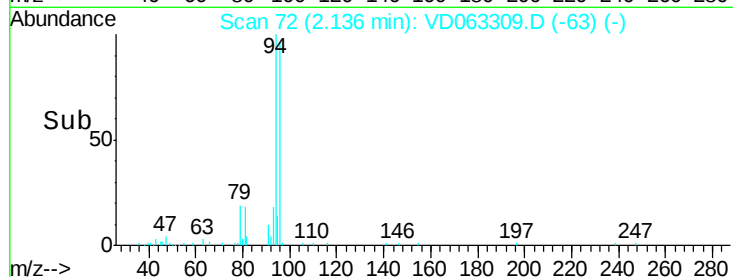
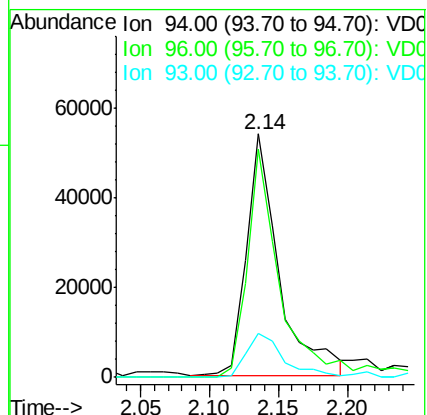
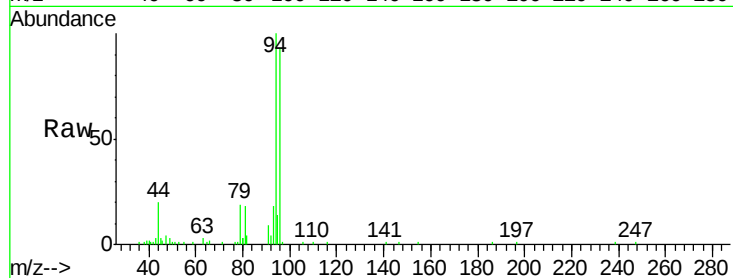
Tot Ion: 94 Resp: 88623

Ion Ratio Lower Upper

94 100

96 93.5 76.4 114.6

93 17.9 17.3 25.9



#6

Chloroethane

Concen: 17.885 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063309.D

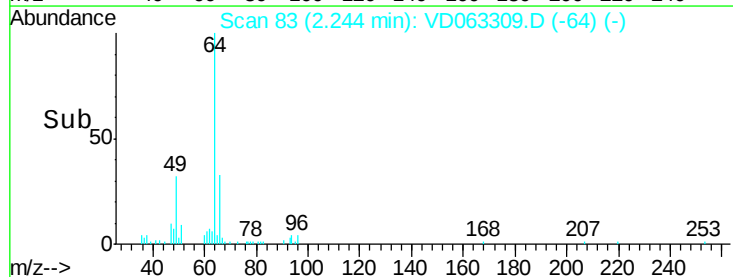
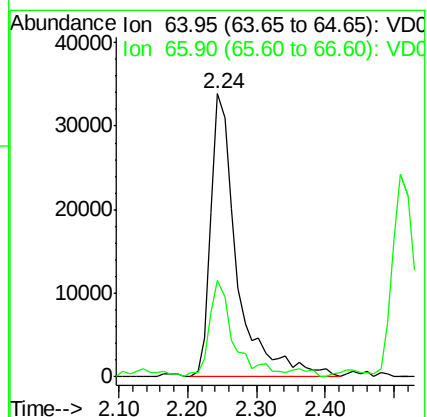
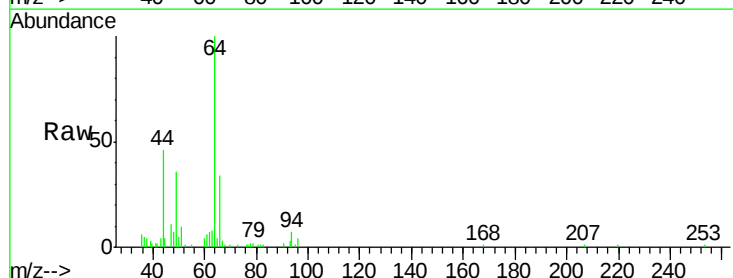
Acq: 2 Aug 2019 11:50

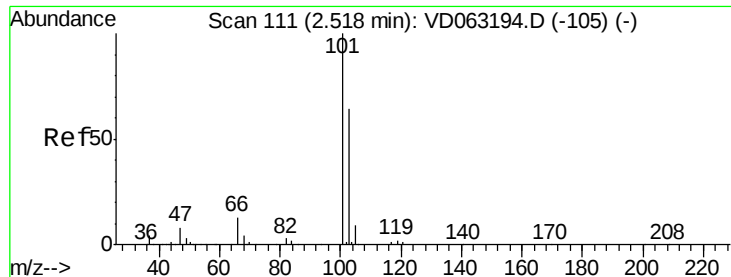
Tgt Ion: 64 Resp: 90191

Ion Ratio Lower Upper

64 100

66 34.1 22.2 33.2#



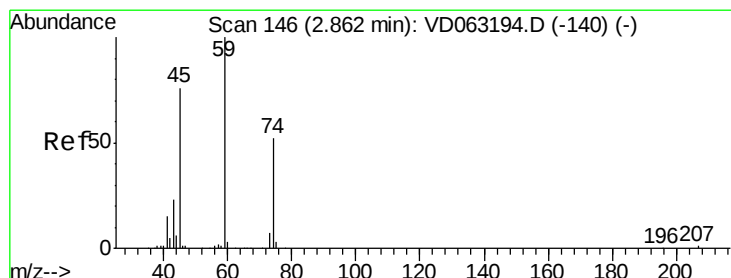
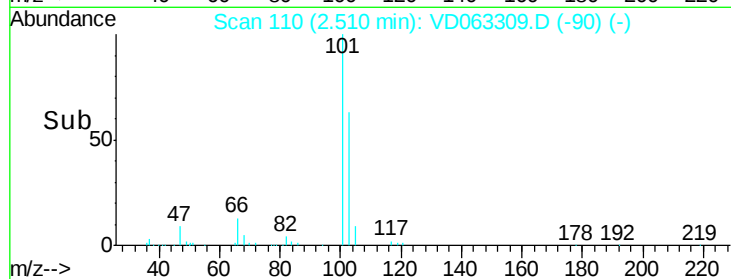
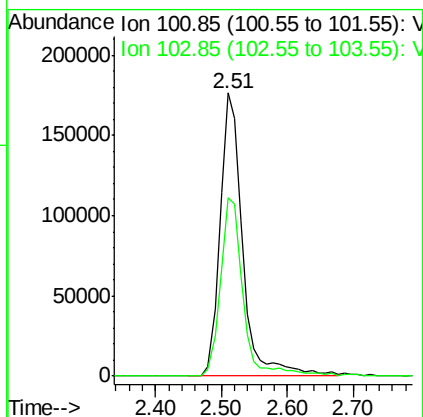
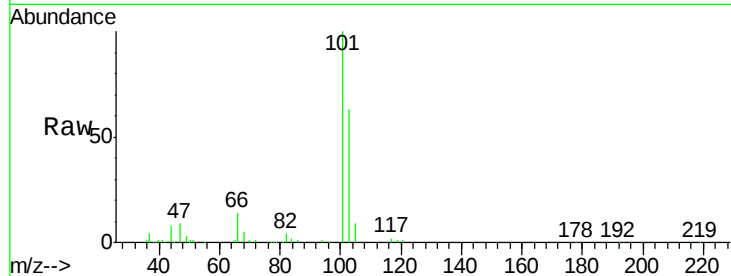


#7

Trichlorofluoromethane
 Concen: 19.910 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Instrument :
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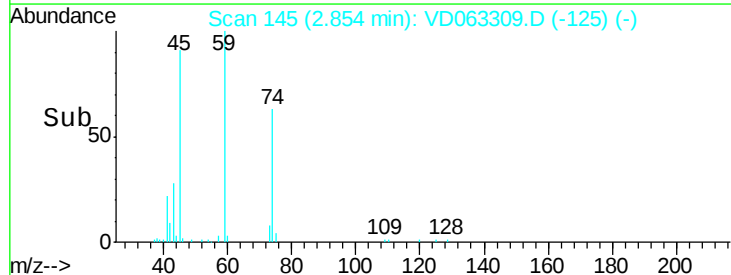
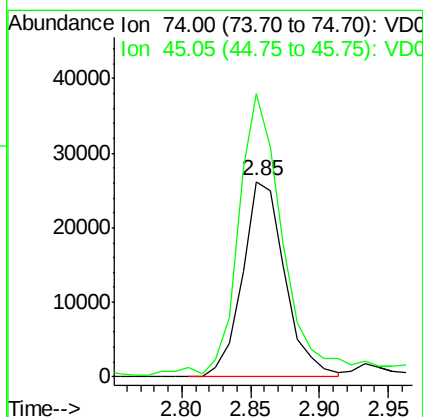
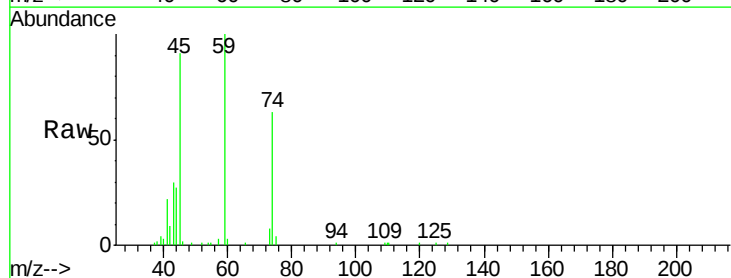
Tot Ion:101 Resp: 421882
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.5 77.3

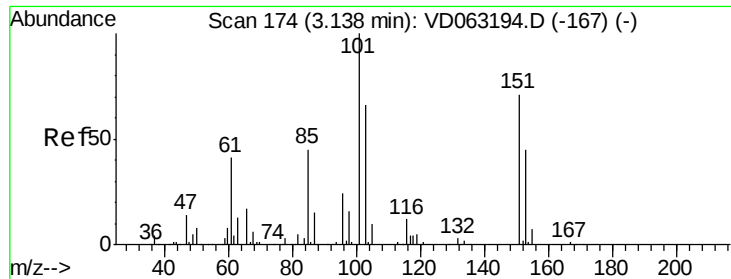


#8

Diethyl Ether
 Concen: 18.962 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion: 74 Resp: 56234
 Ion Ratio Lower Upper
 74 100
 45 145.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.505 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

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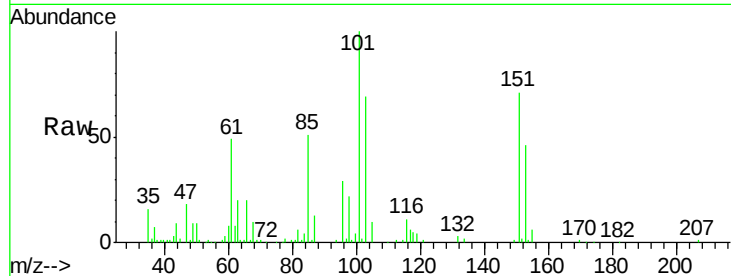
Tot Ion:101 Resp: 228938

Ion Ratio Lower Upper

101 100

85 51.4 36.1 54.1

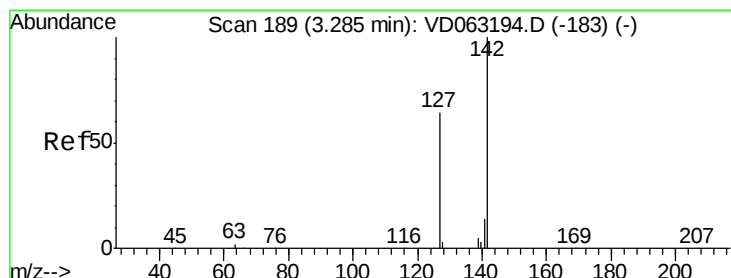
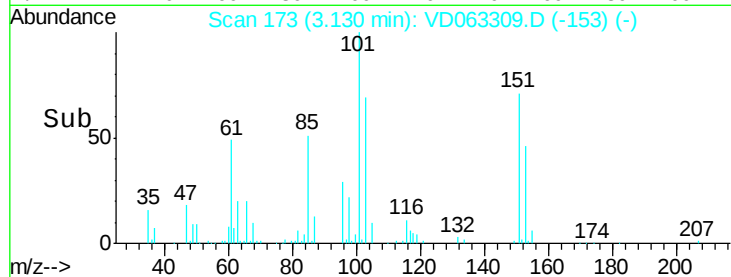
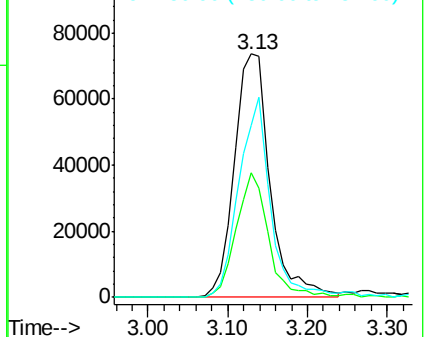
151 70.5 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.409 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

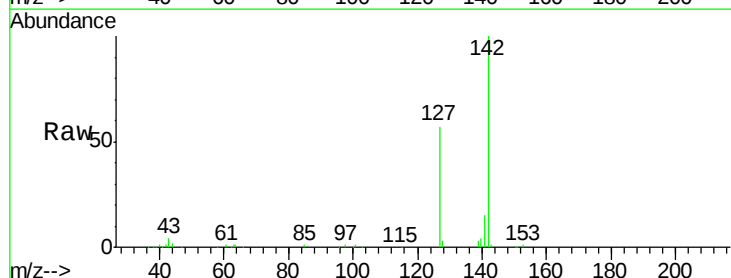
Tgt Ion:142 Resp: 295199

Ion Ratio Lower Upper

142 100

127 57.2 50.8 76.2

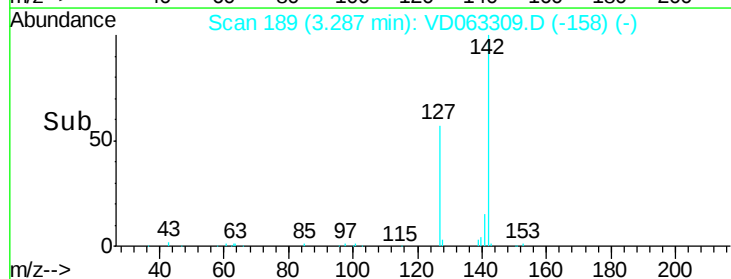
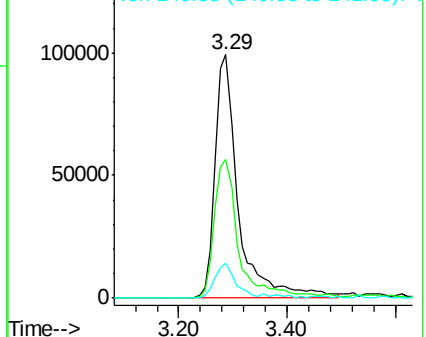
141 14.5 11.4 17.2

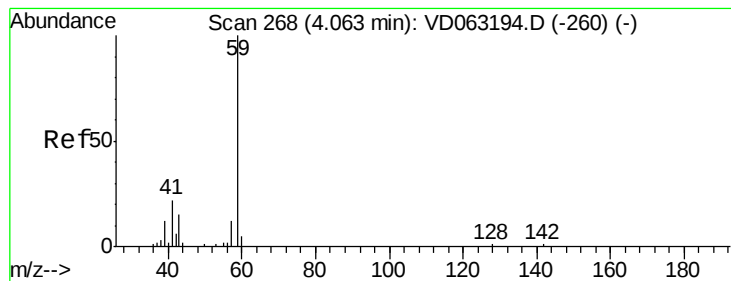


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



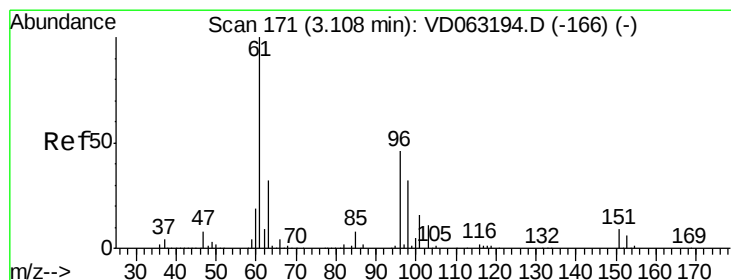
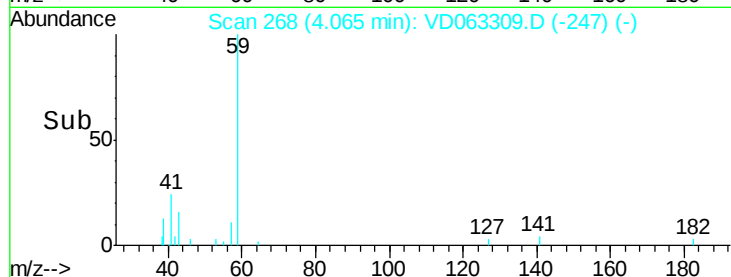
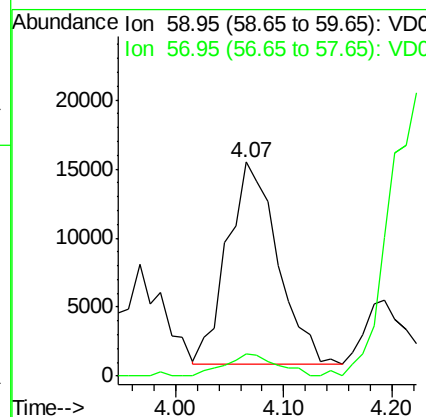
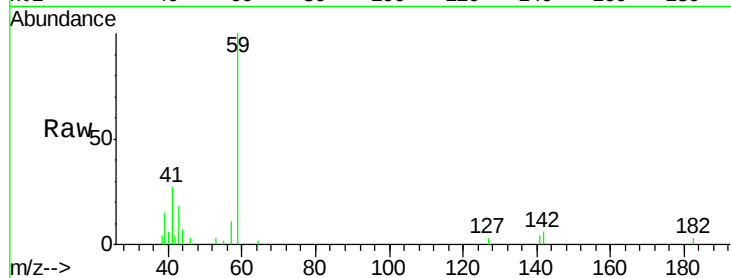


#11

Tert butyl alcohol
 Concen: 88.097 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

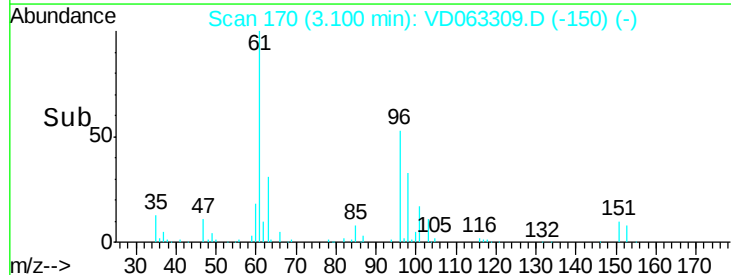
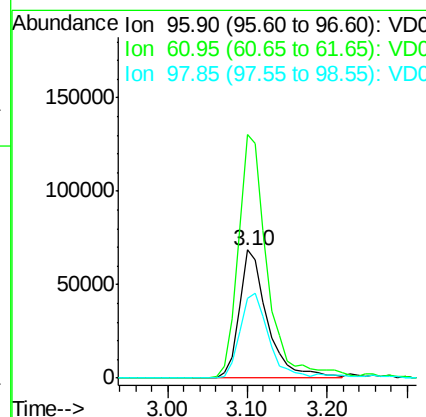
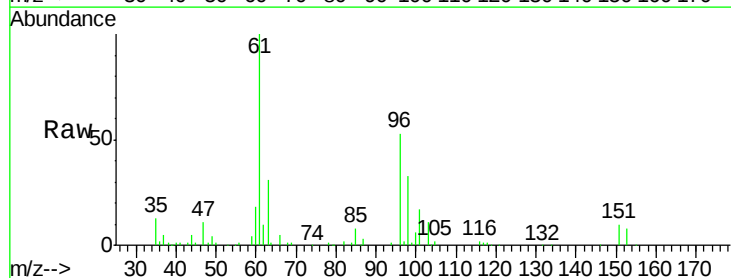
Tot Ion: 59 Resp: 47658
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.6 14.4

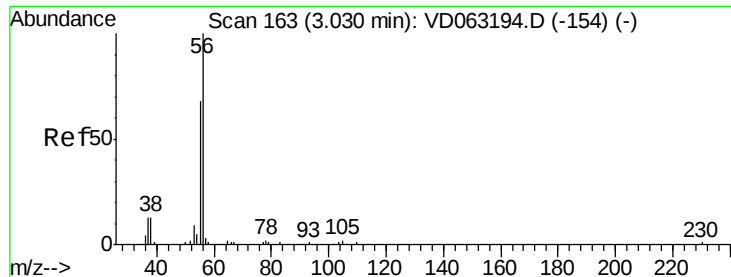


#12

1,1-Dichloroethene
 Concen: 19.698 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion: 96 Resp: 169734
 Ion Ratio Lower Upper
 96 100
 61 190.2 173.7 260.5
 98 62.3 55.8 83.8





#13

Acrolein

Concen: 85.906 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

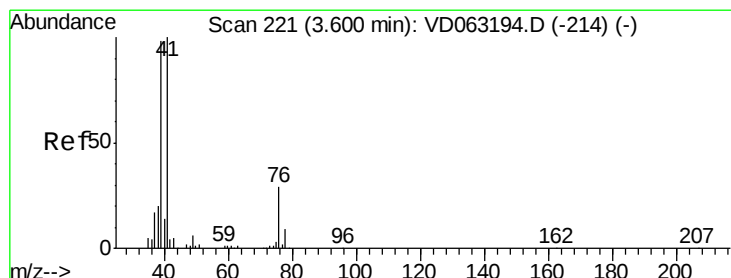
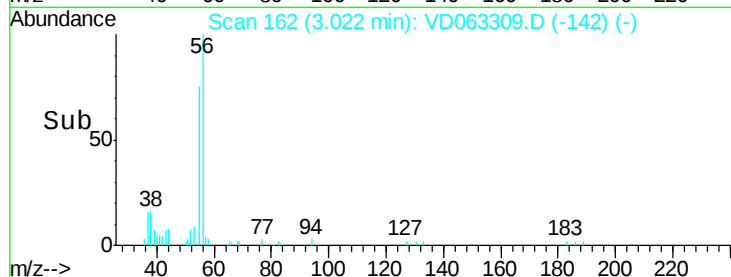
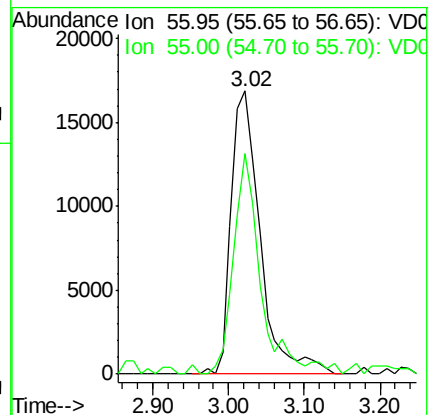
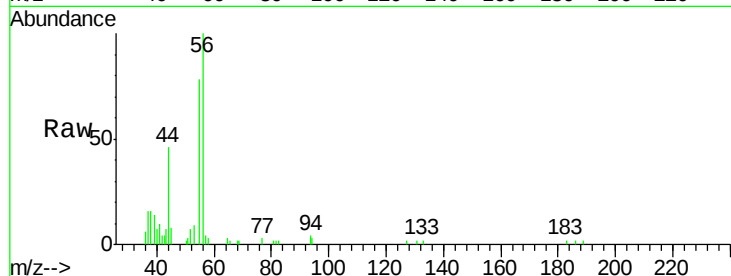
VD0802SBS01

Tot Ion: 56 Resp: 44726

Ion Ratio Lower Upper

56 100

55 77.8 55.3 82.9



#14

Allyl chloride

Concen: 19.242 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

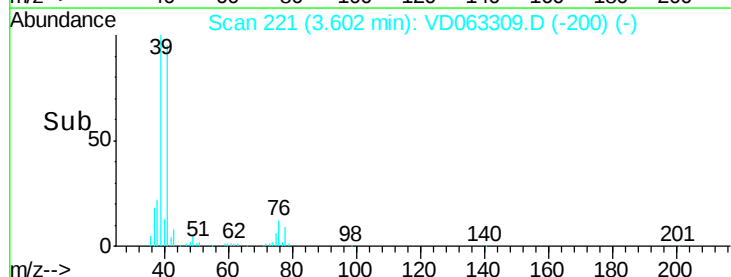
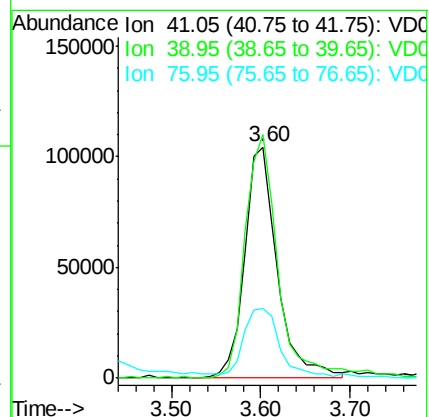
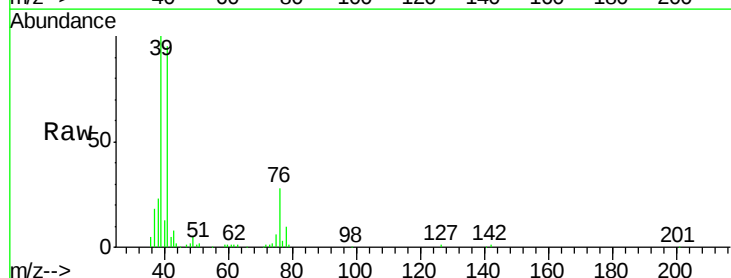
Tgt Ion: 41 Resp: 264133

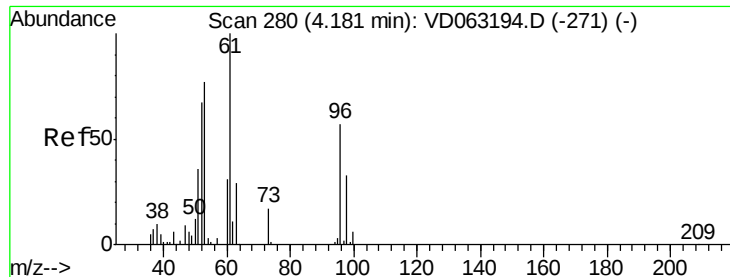
Ion Ratio Lower Upper

41 100

39 105.2 78.6 117.8

76 29.8 24.5 36.7





#15

Acrylonitrile

Concen: 93.378 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

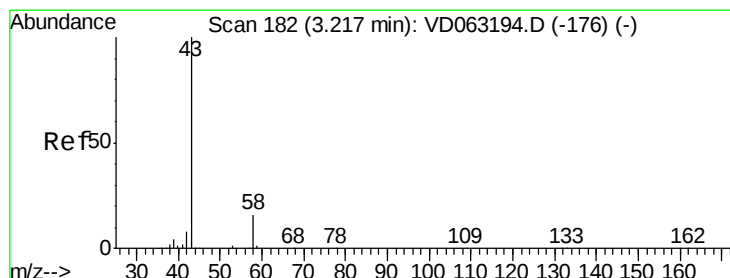
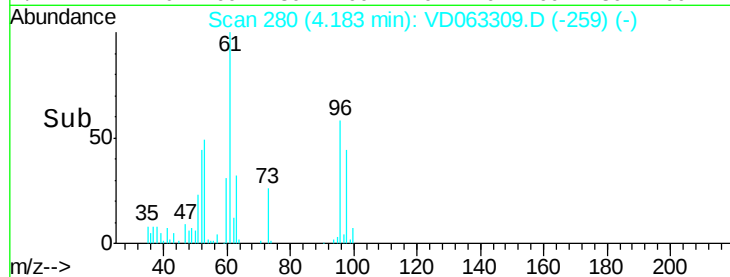
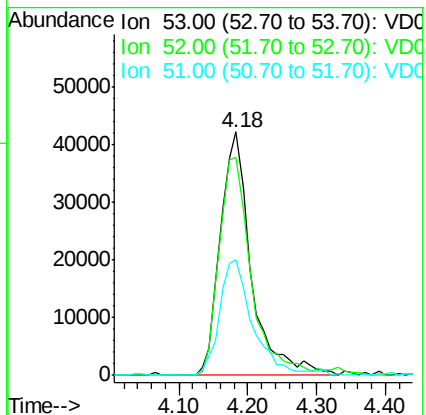
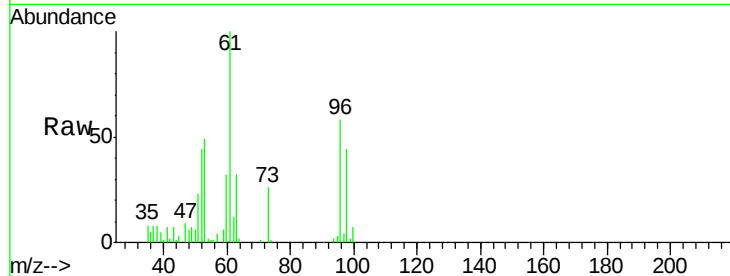
Tot Ion: 53 Resp: 130964

Ion Ratio Lower Upper

53 100

52 89.8 69.7 104.5

51 47.7 37.4 56.0



#16

Acetone

Concen: 90.397 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063309.D

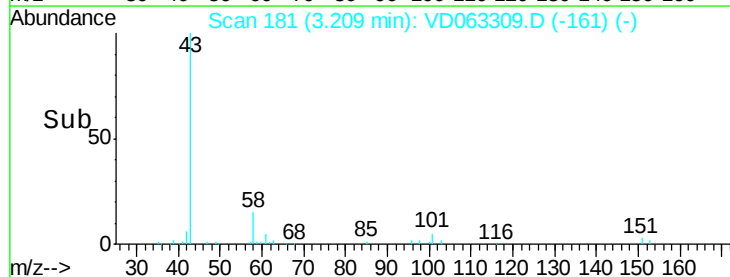
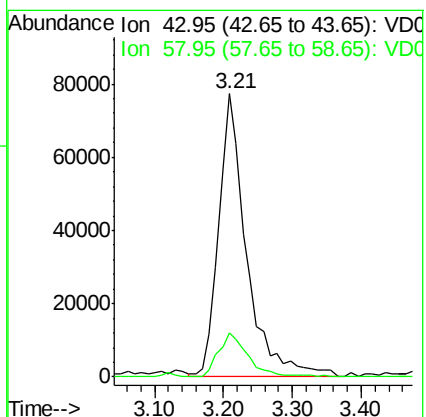
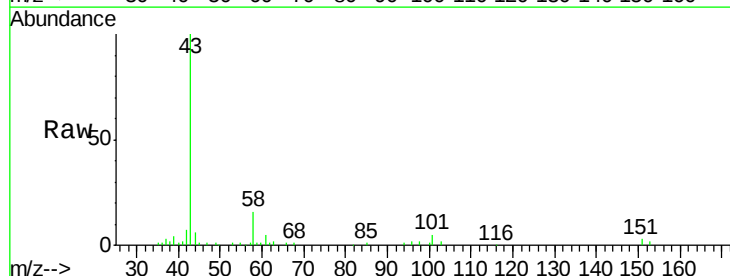
Acq: 2 Aug 2019 11:50

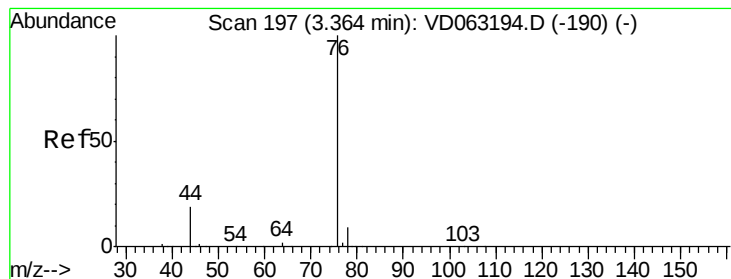
Tgt Ion: 43 Resp: 217117

Ion Ratio Lower Upper

43 100

58 15.6 13.0 19.4





#17

Carbon Disulfide

Concen: 19.301 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

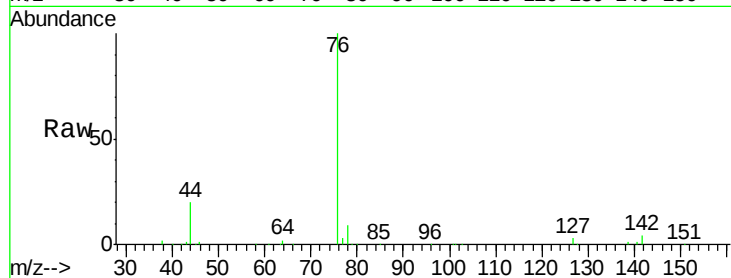
VD0802SBS01

Tot Ion: 76 Resp: 556680

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

250000

200000

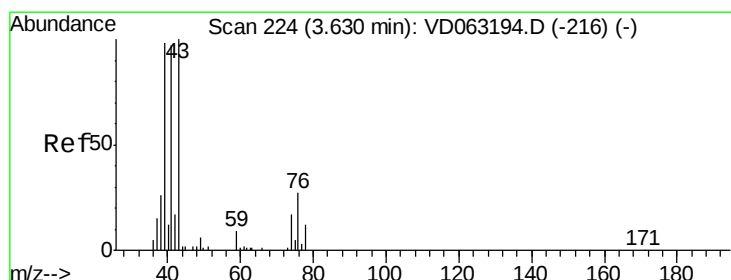
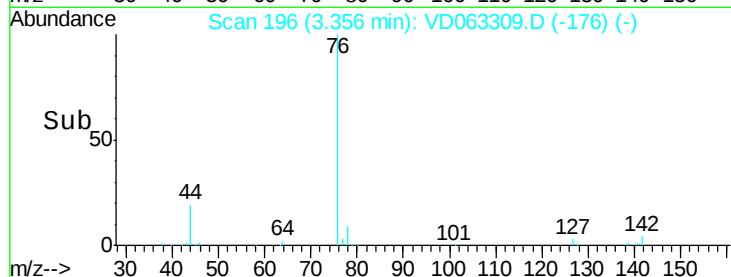
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.594 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063309.D

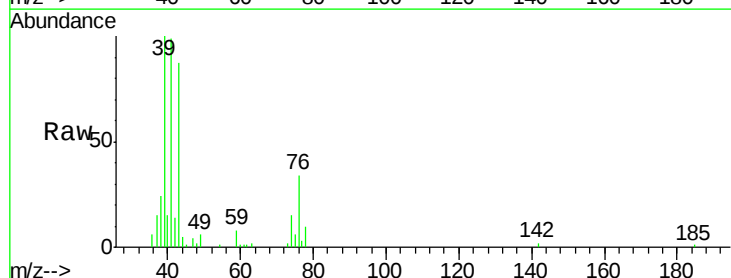
Acq: 2 Aug 2019 11:50

Tgt Ion: 43 Resp: 85782

Ion Ratio Lower Upper

43 100

74 17.5 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

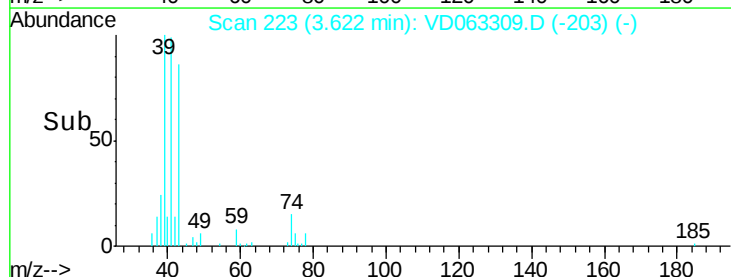
30000

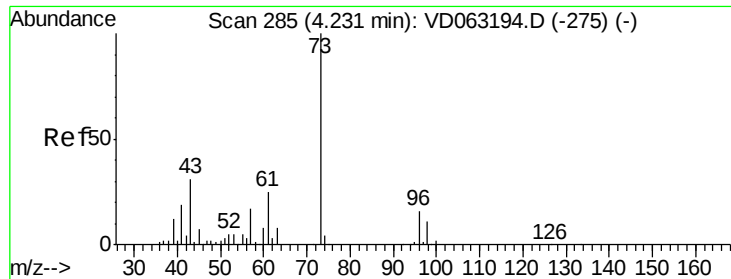
20000

10000

0

Time-->

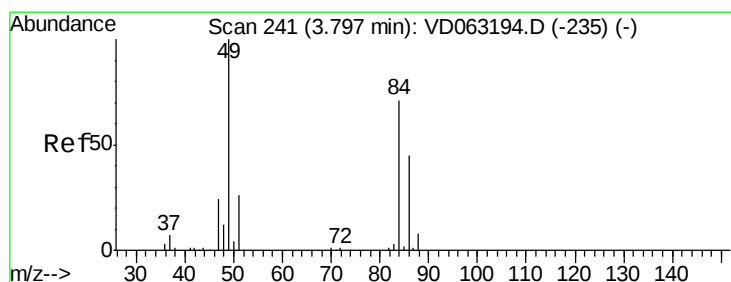
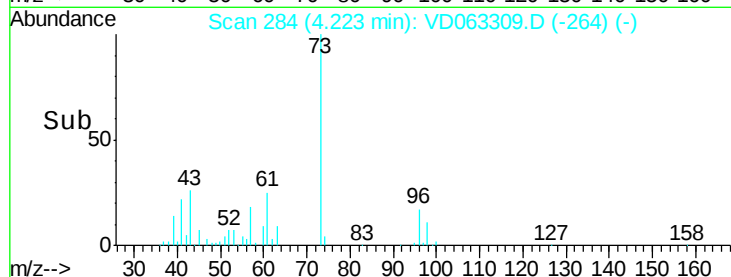
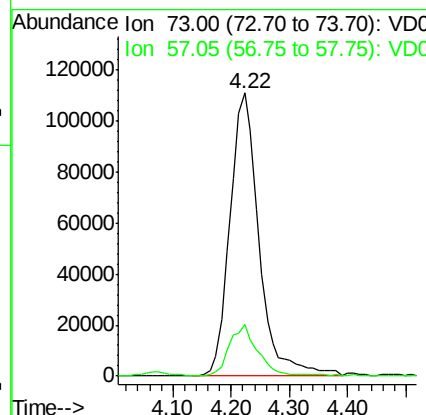
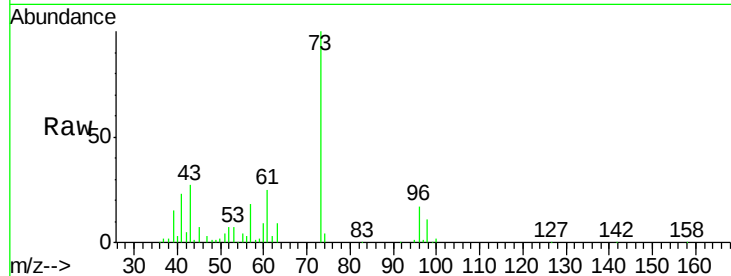




#19
Methvl tert-butvl Ether
Concen: 19.794 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

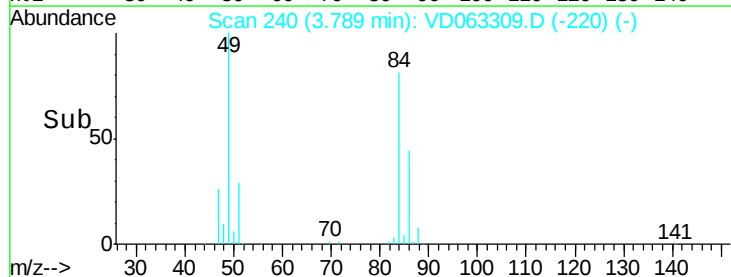
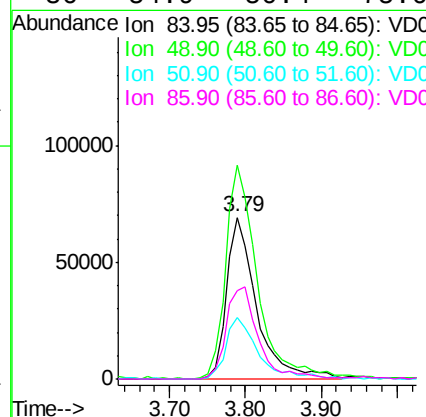
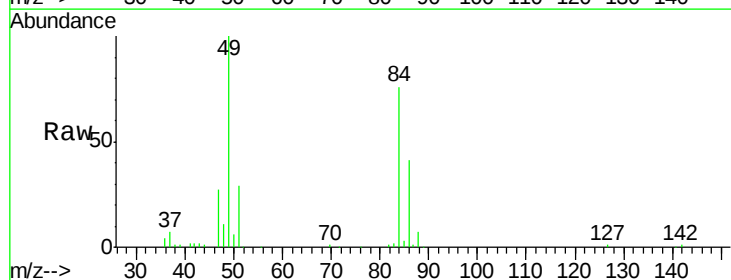
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

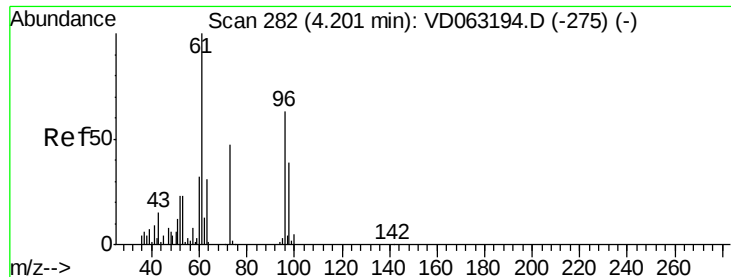
Tot Ion: 73 Resp: 385281
Ion Ratio Lower Upper
73 100
57 18.5 13.8 20.6



#20
Methylene Chloride
Concen: 19.675 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 84 Resp: 191017
Ion Ratio Lower Upper
84 100
49 132.4 112.5 168.7
51 38.5 29.6 44.4
86 54.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.158 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

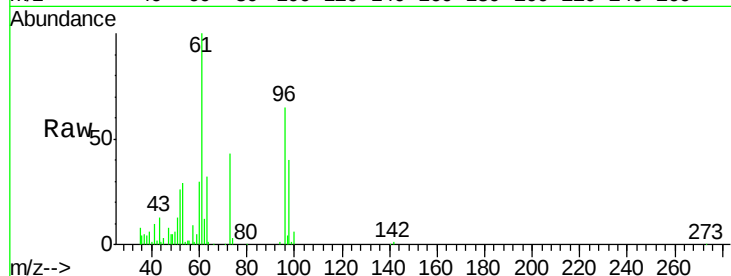
Tot Ion: 96 Resp: 194904

Ion Ratio Lower Upper

96 100

61 154.1 127.4 191.2

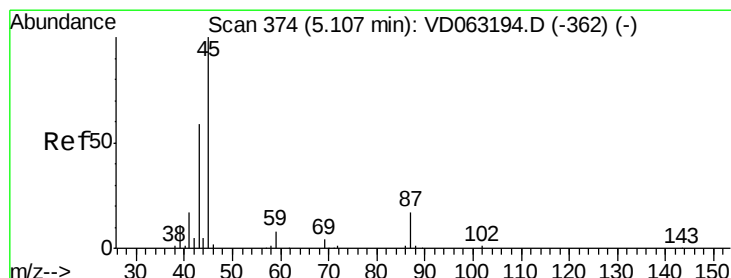
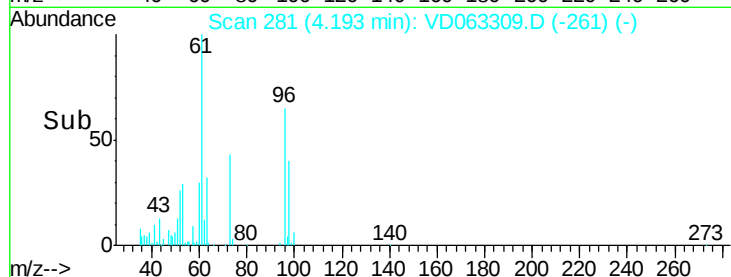
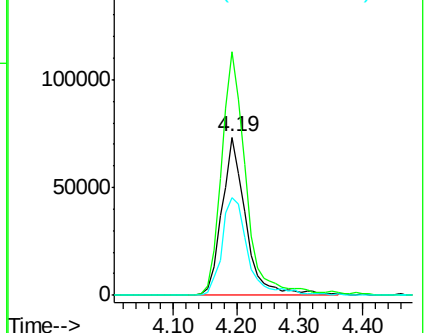
98 61.5 49.3 73.9



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: 20.029 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Tgt Ion: 45 Resp: 549306

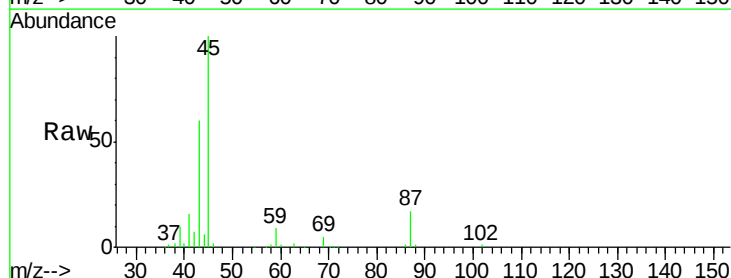
Ion Ratio Lower Upper

45 100

43 59.8 51.7 77.5

87 16.8 14.6 21.8

59 8.9 6.6 10.0

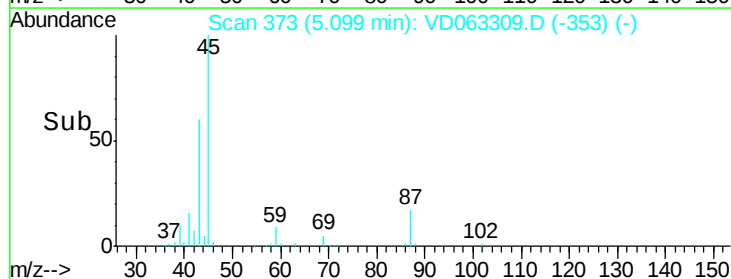
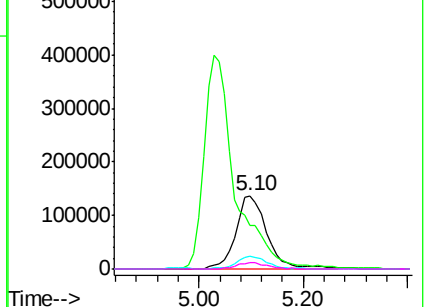


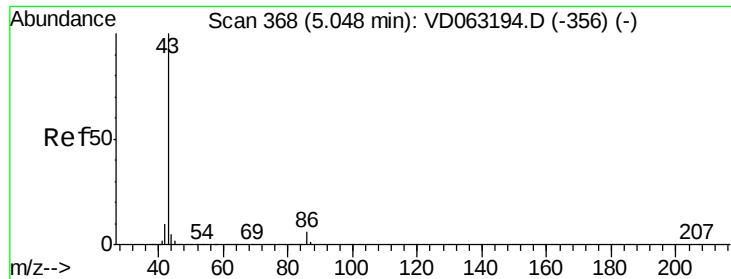
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 95.936 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

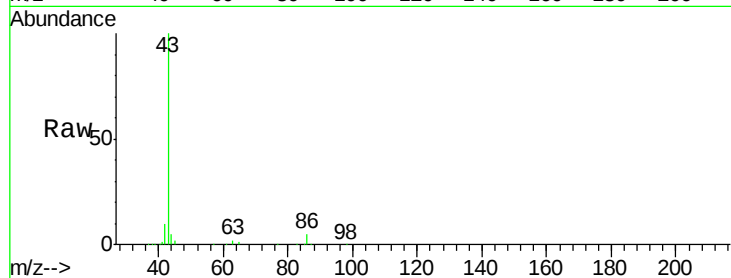
VD0802SBS01

Tot Ion: 43 Resp: 1617329

Ion Ratio Lower Upper

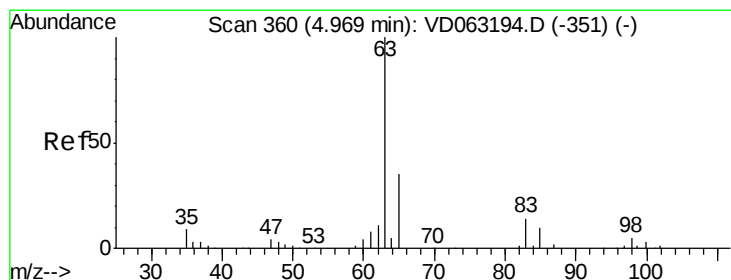
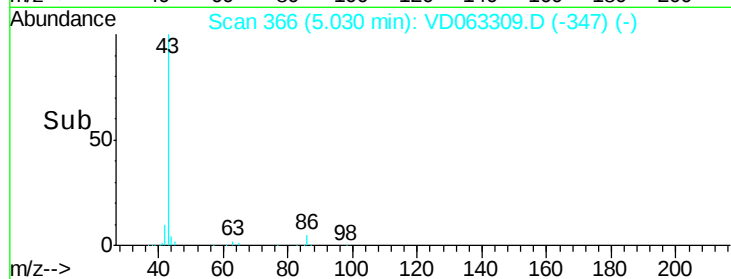
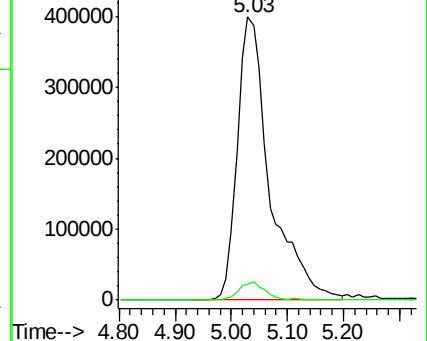
43 100

86 5.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.026 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

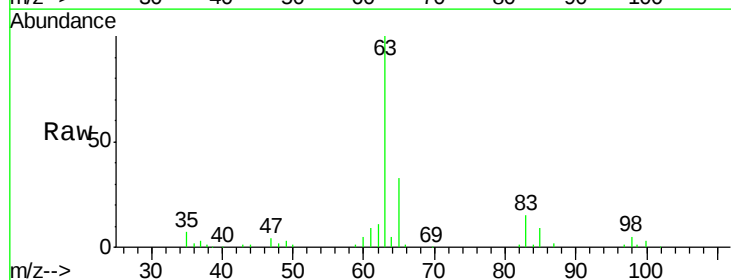
Tgt Ion: 63 Resp: 368337

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

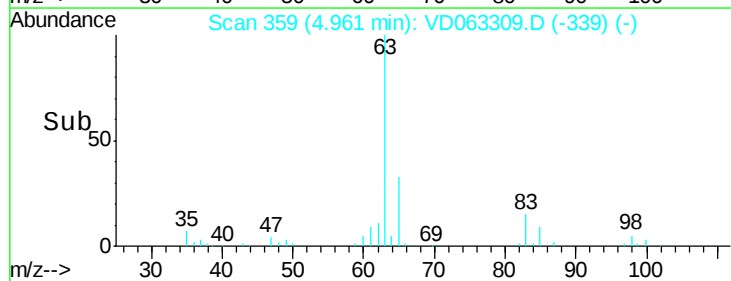
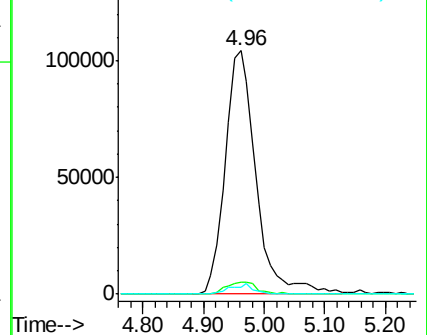
100 2.7 1.3 3.9

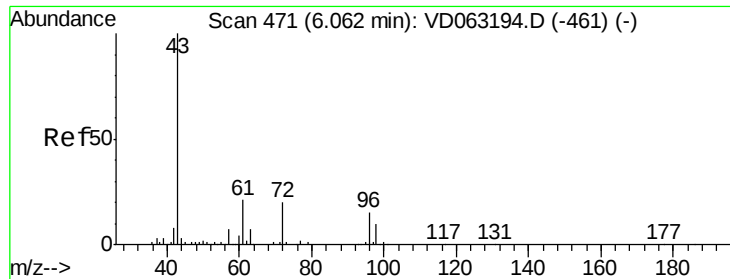


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 93.266 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

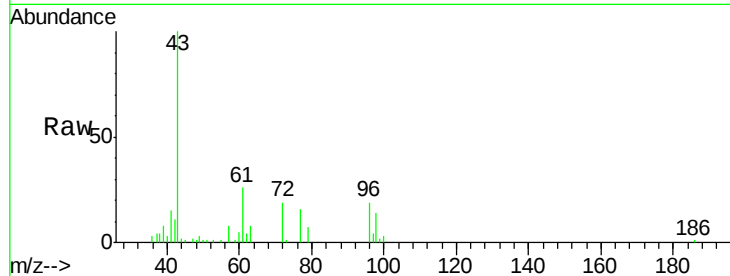
VD0802SBS01

Tot Ion: 43 Resp: 224811

Ion Ratio Lower Upper

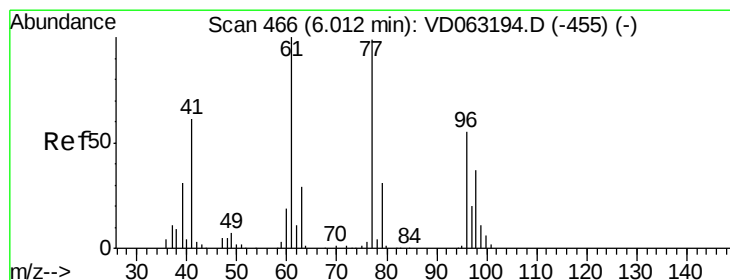
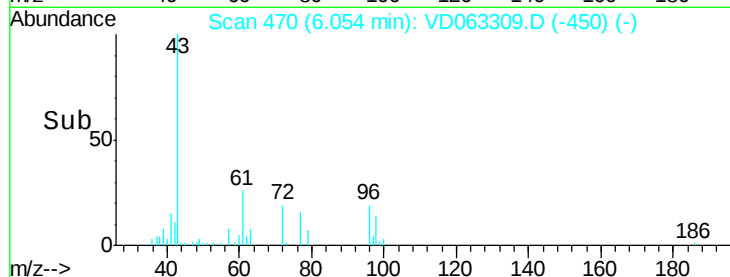
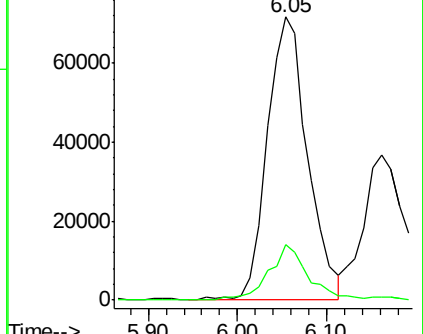
43 100

72 19.5 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.893 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063309.D

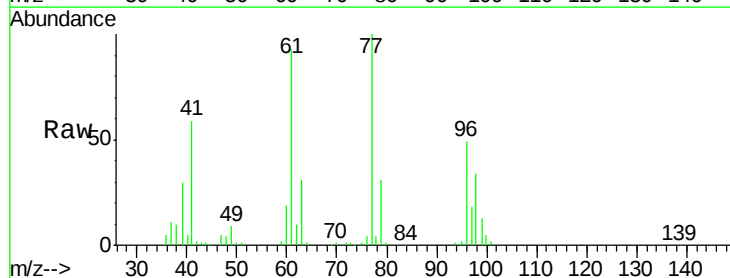
Acq: 2 Aug 2019 11:50

Tgt Ion: 77 Resp: 359130

Ion Ratio Lower Upper

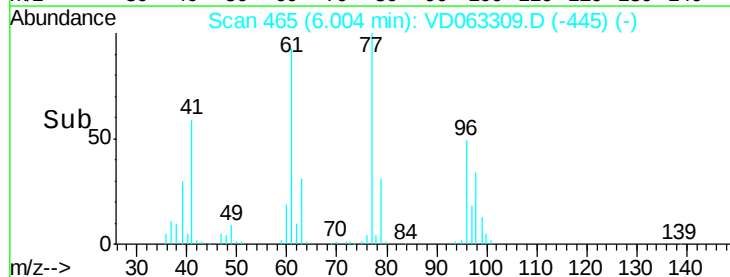
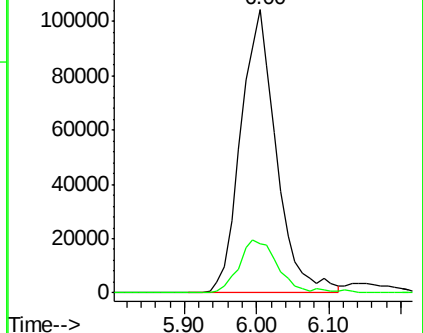
77 100

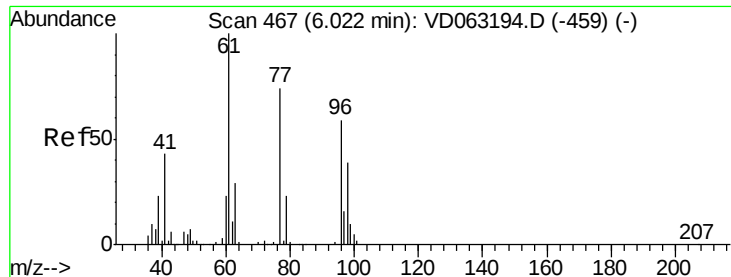
97 17.6 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



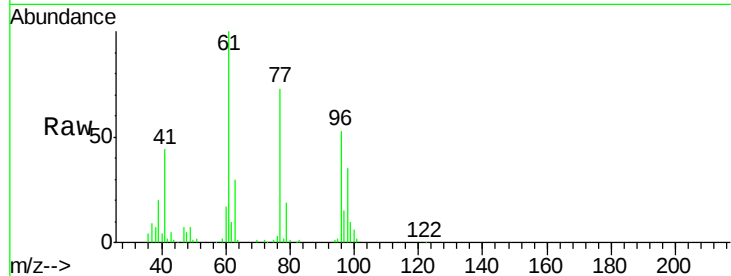


#27

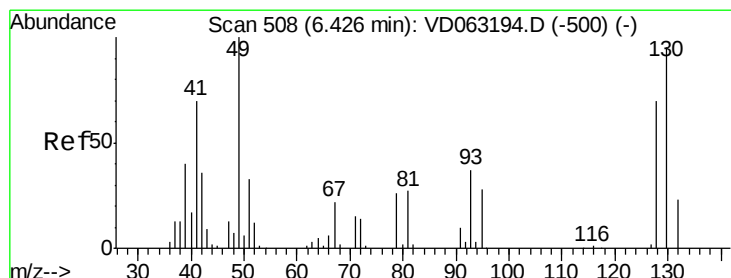
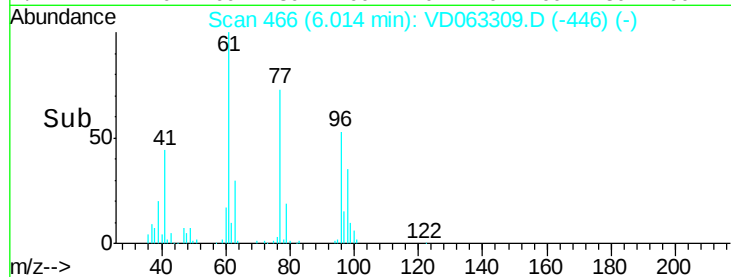
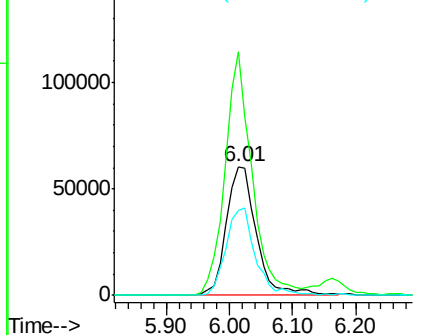
cis-1,2-Dichloroethene
 Concen: 19.262 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

Tot Ion	96	Resp	199677
Ion	Ratio	Lower	Upper
96	100		
61	189.0	0.0	337.2
98	65.6	0.0	130.6



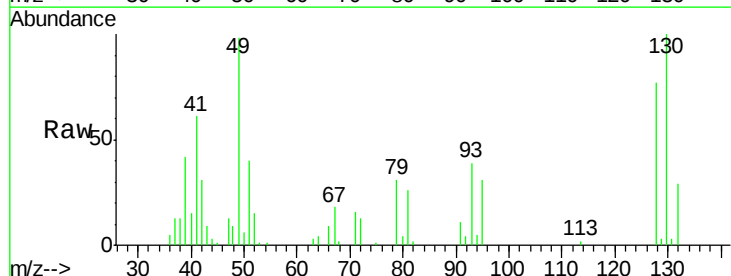
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



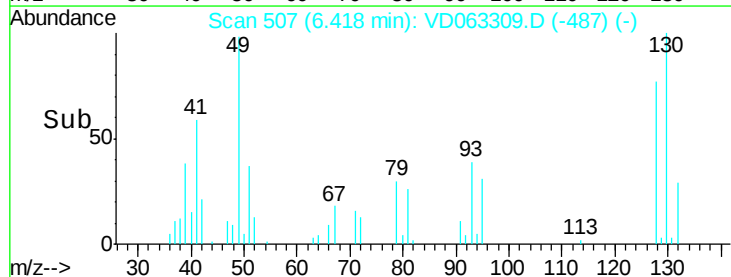
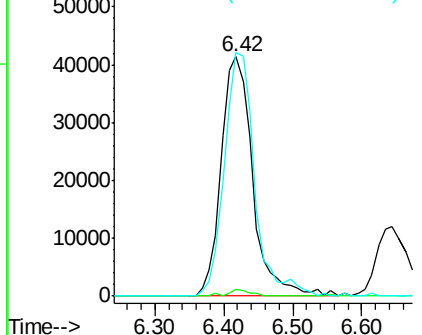
#28

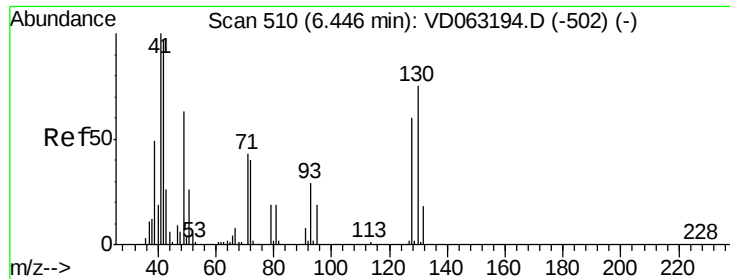
Bromochloromethane
 Concen: 18.863 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion	49	Resp	131658
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	0.0#
130	101.7	75.7	113.5



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

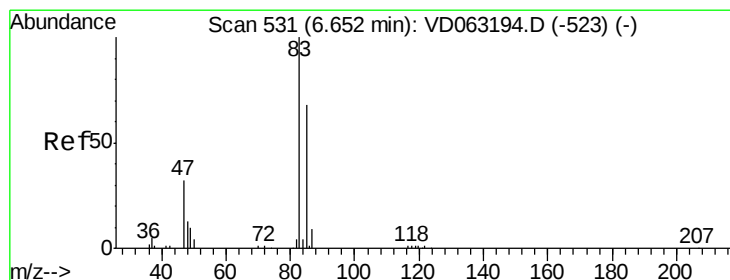
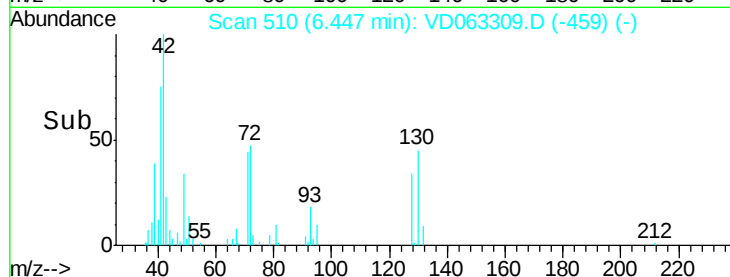
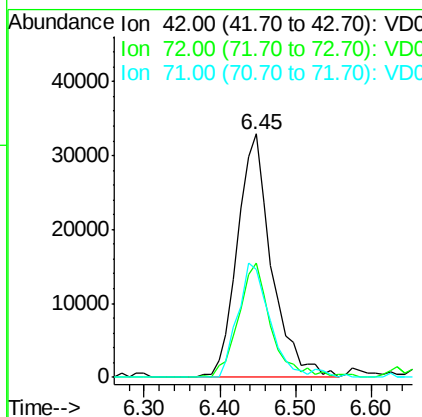
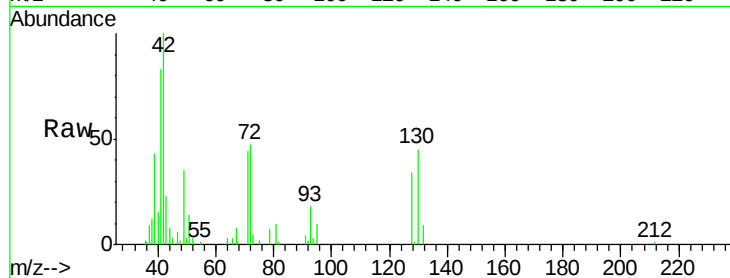




#29
Tetrahydrofuran
Concen: 89.835 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

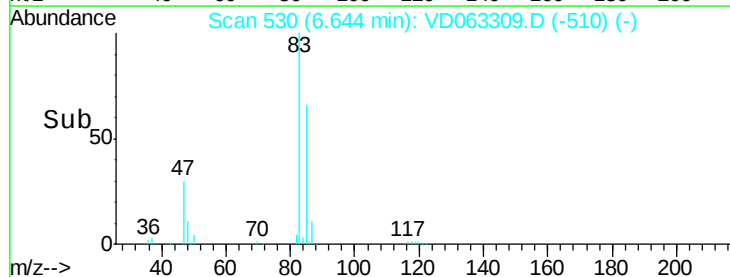
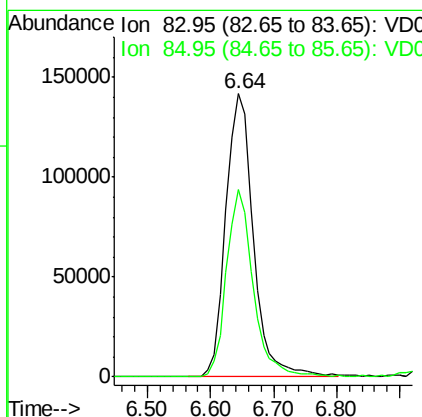
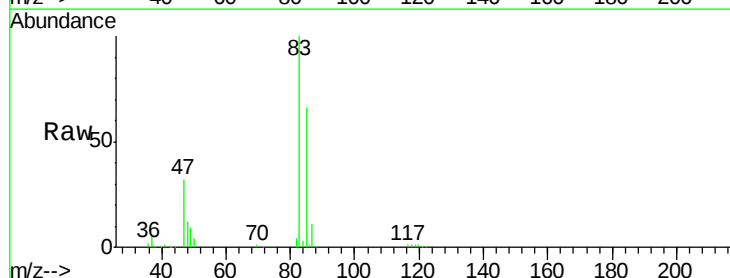
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

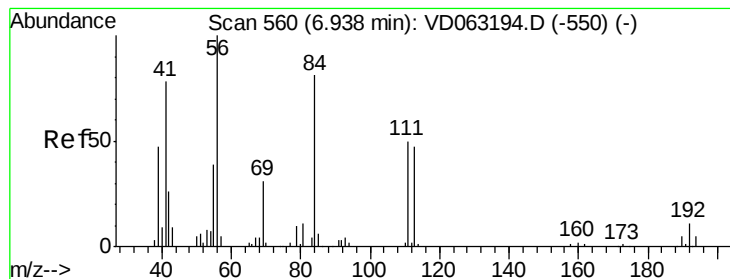
Tot Ion: 42 Resp: 102520
Ion Ratio Lower Upper
42 100
72 45.4 33.4 50.2
71 43.8 35.7 53.5



#30
Chloroform
Concen: 19.791 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 83 Resp: 430255
Ion Ratio Lower Upper
83 100
85 66.1 54.2 81.4





#31

Cyclohexane

Concen: 18.971 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

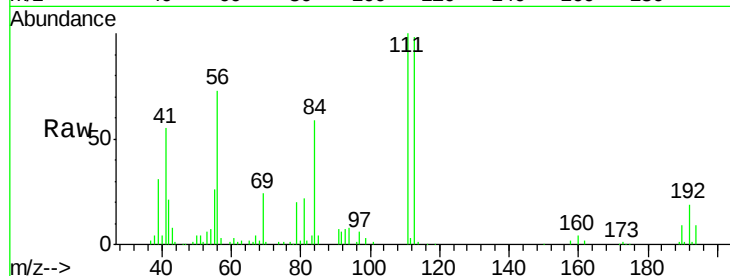
Tot Ion: 56 Resp: 208312

Ion Ratio Lower Upper

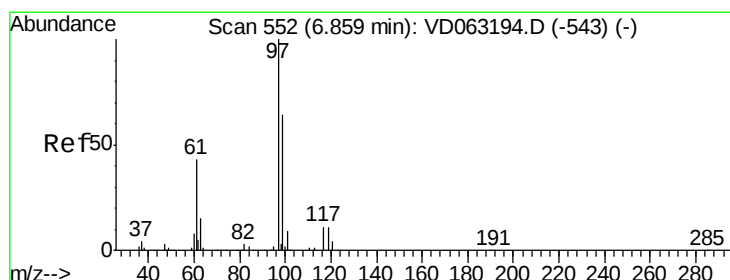
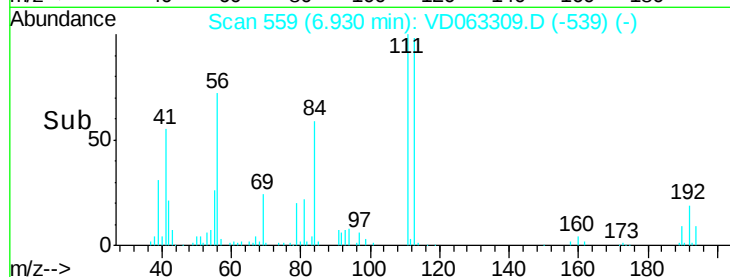
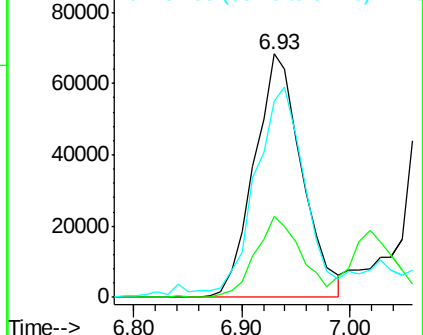
56 100

69 33.5 24.5 36.7

84 80.8 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 20.280 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

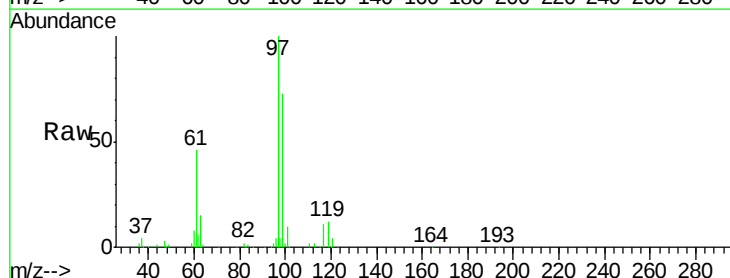
Tgt Ion: 97 Resp: 426451

Ion Ratio Lower Upper

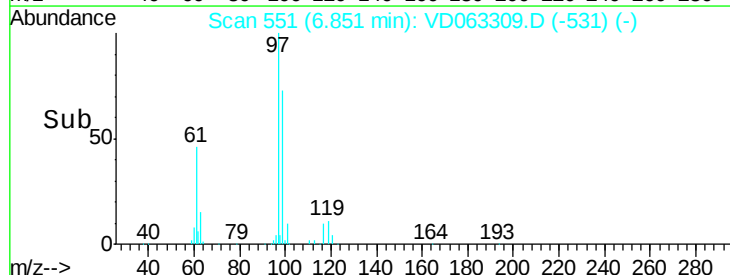
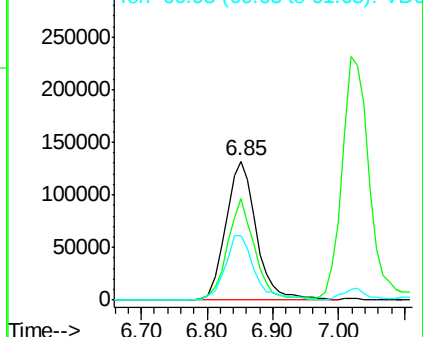
97 100

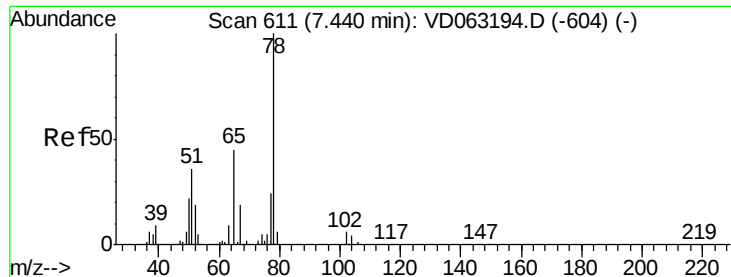
99 72.8 51.2 76.8

61 46.1 34.2 51.2



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: 50.633 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

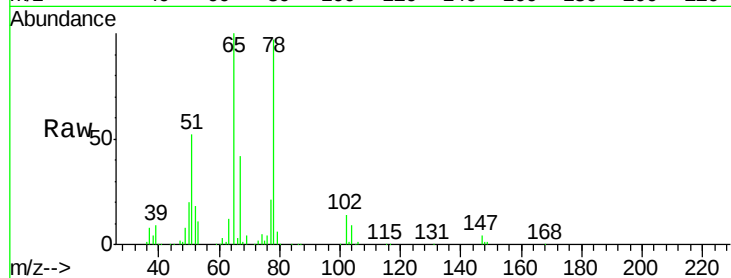
VD0802SBS01

Tot Ion: 65 Resp: 624162

Ion Ratio Lower Upper

65 100

67 42.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

250000

200000

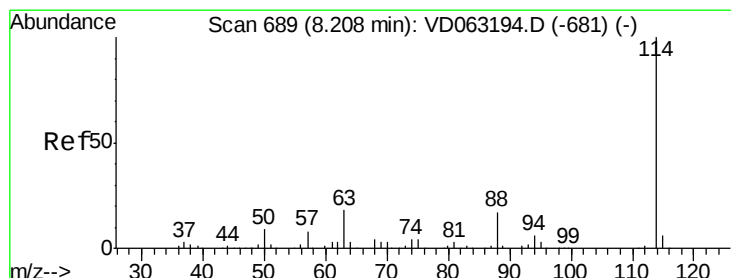
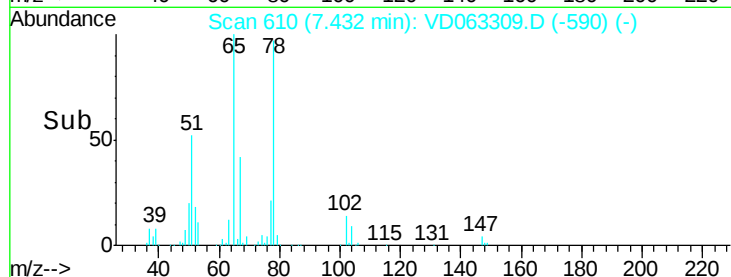
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

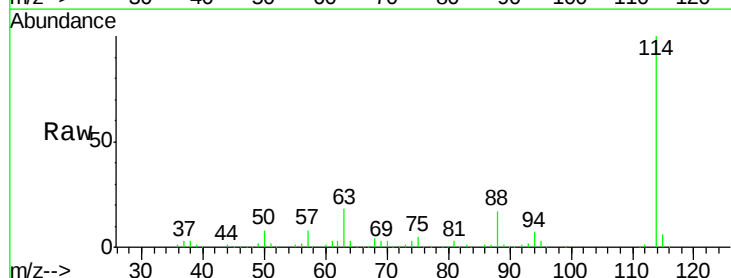
Tgt Ion: 114 Resp: 1487632

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

88 17.2 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

800000

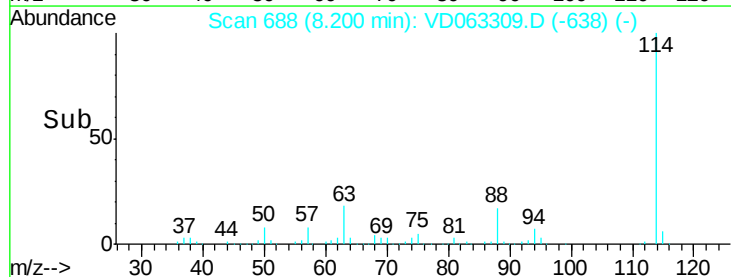
600000

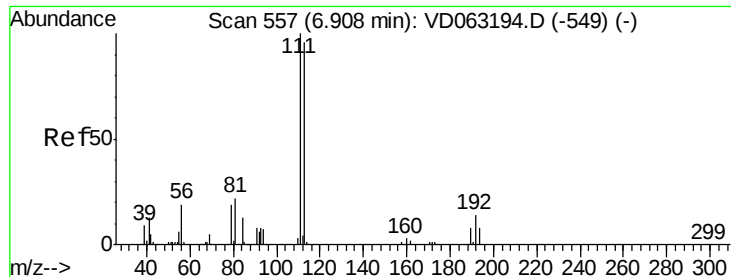
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 54.650 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

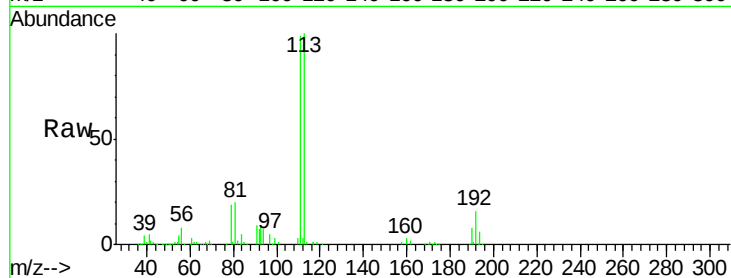
Tot Ion:113 Resp: 694119

Ion Ratio Lower Upper

113 100

111 99.2 83.2 124.8

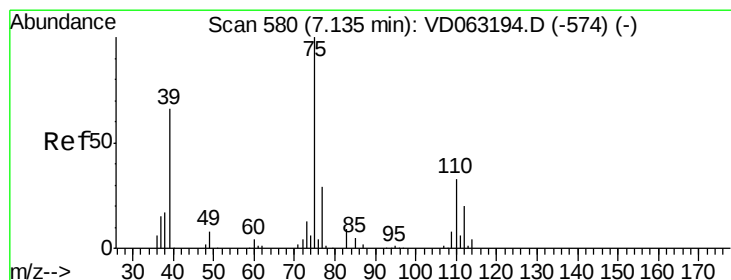
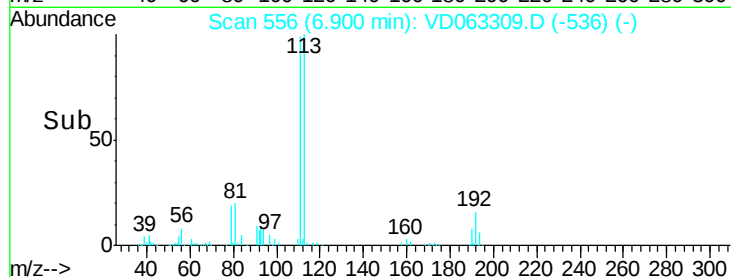
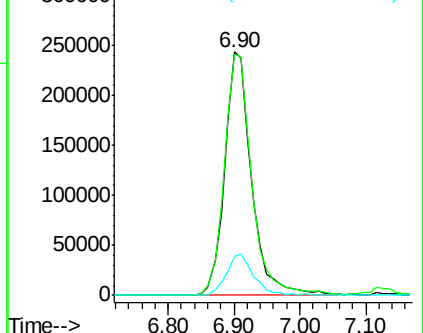
192 15.8 11.8 17.8



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: 21.030 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

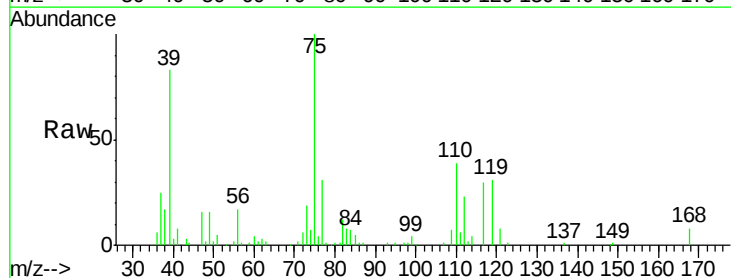
Tgt Ion: 75 Resp: 285520

Ion Ratio Lower Upper

75 100

110 38.6 16.1 48.2

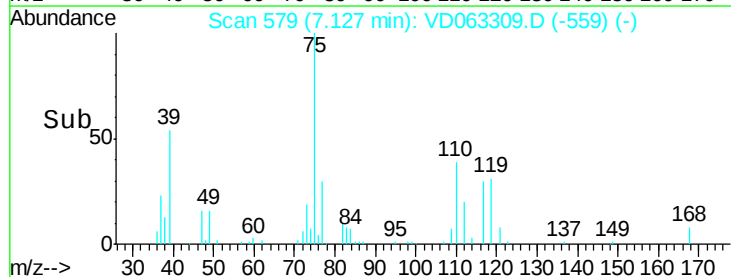
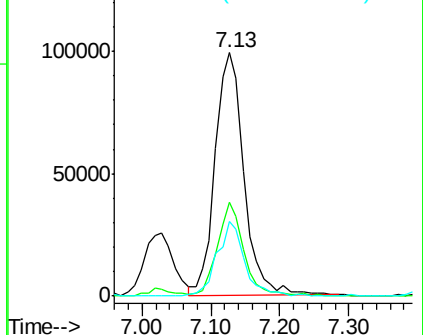
77 30.7 22.7 34.1

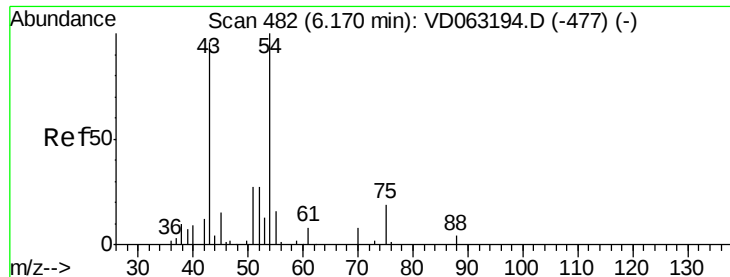


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 19.758 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

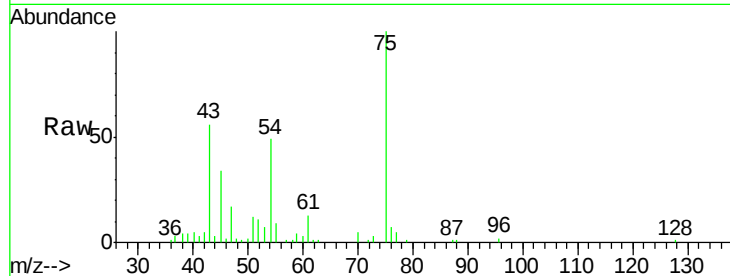
Tot Ion: 43 Resp: 120514

Ion Ratio Lower Upper

43 100

61 22.3 11.3 16.9#

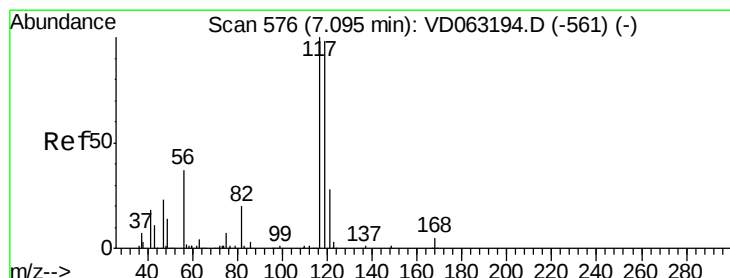
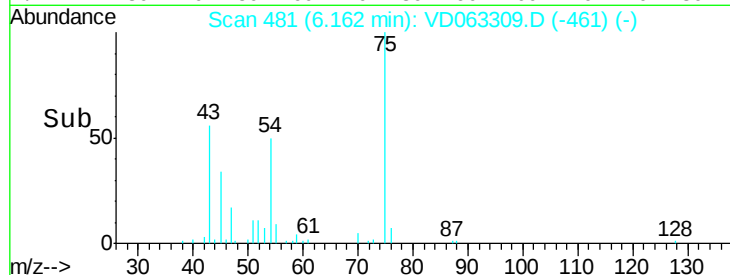
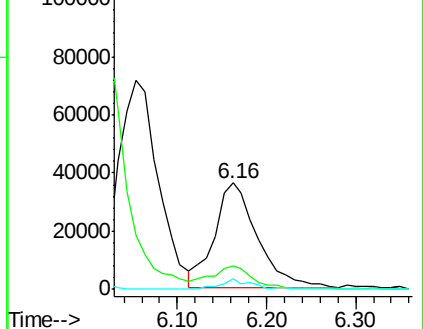
70 9.7 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.025 ug/l

RT: 7.09 min Scan# 575

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

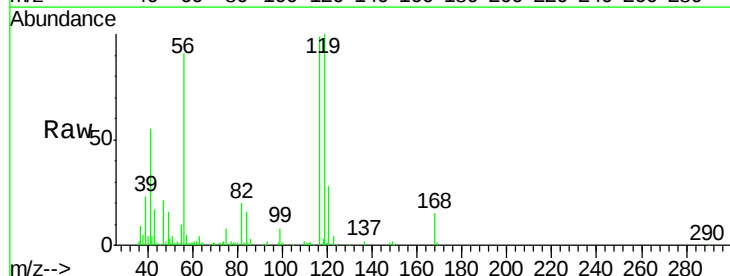
Tgt Ion: 117 Resp: 409284

Ion Ratio Lower Upper

117 100

119 101.0 78.2 117.2

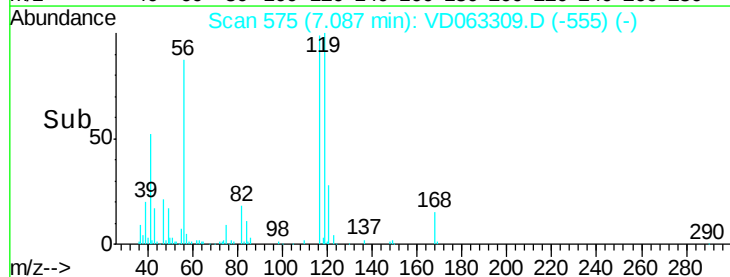
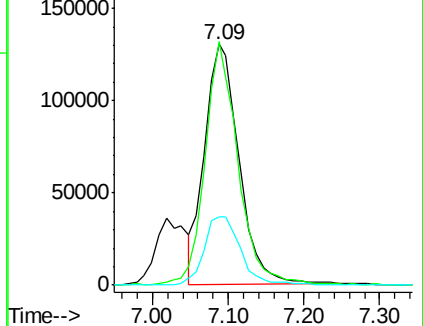
121 28.4 22.1 33.1

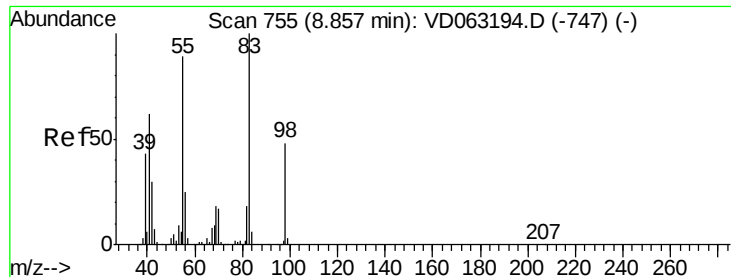


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

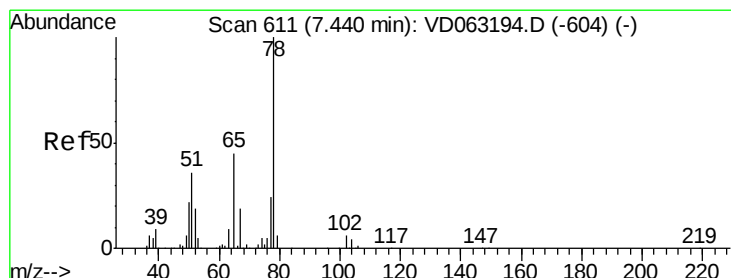
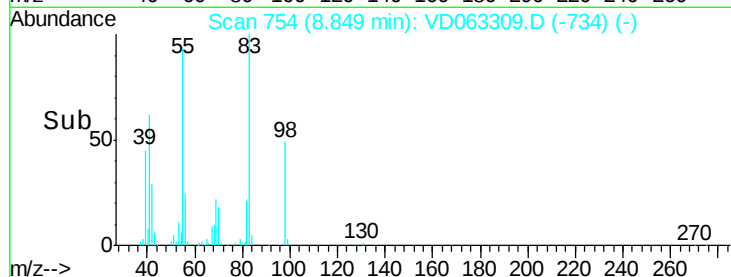
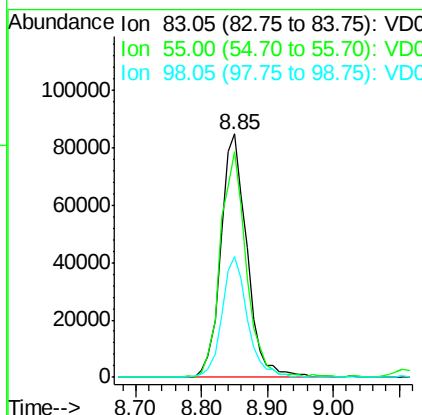
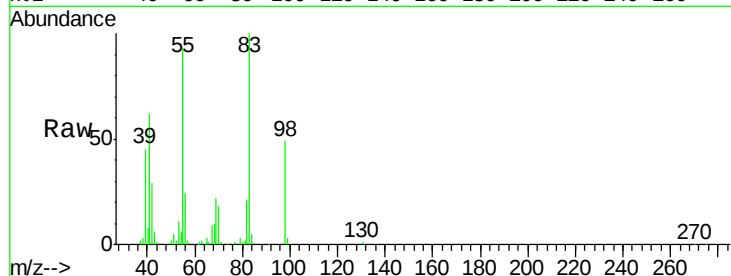




#39
Methvlcvclohexane
Concen: 20.816 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

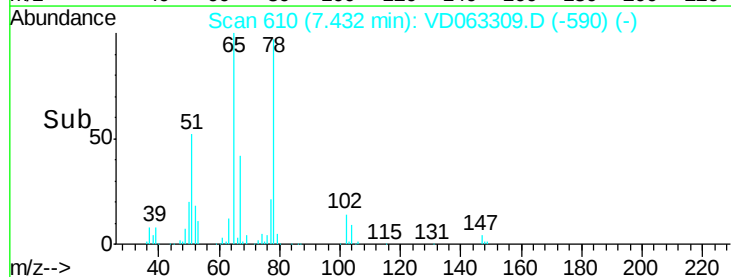
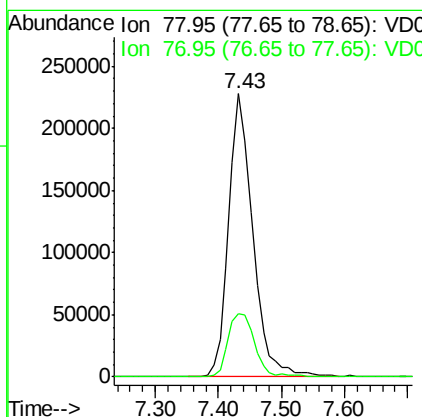
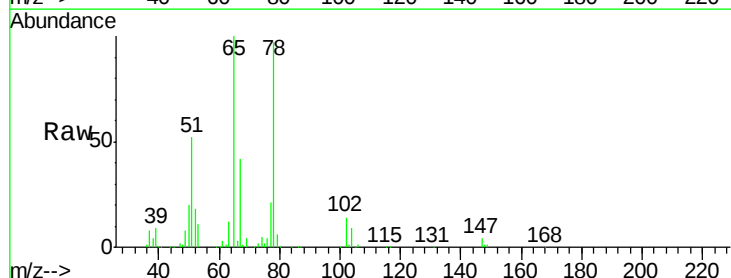
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

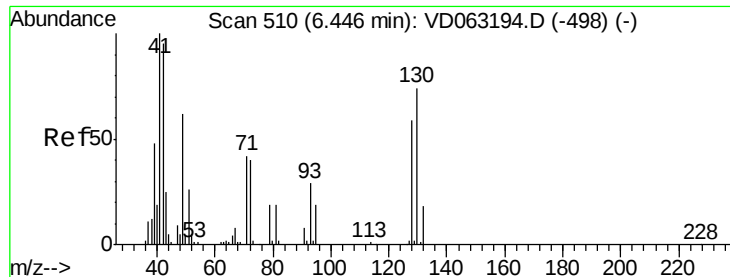
Tot Ion: 83 Resp: 235457
Ion Ratio Lower Upper
83 100
55 93.0 71.1 106.7
98 49.4 38.5 57.7



#40
Benzene
Concen: 21.186 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 78 Resp: 602836
Ion Ratio Lower Upper
78 100
77 22.1 19.4 29.2

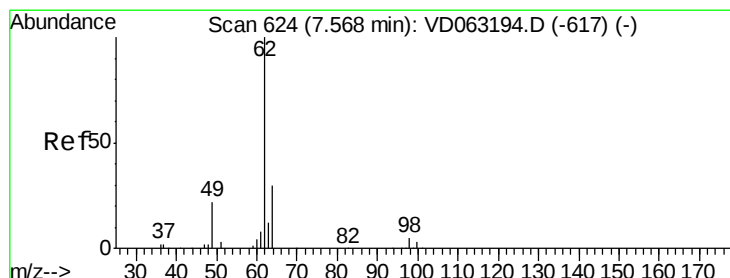
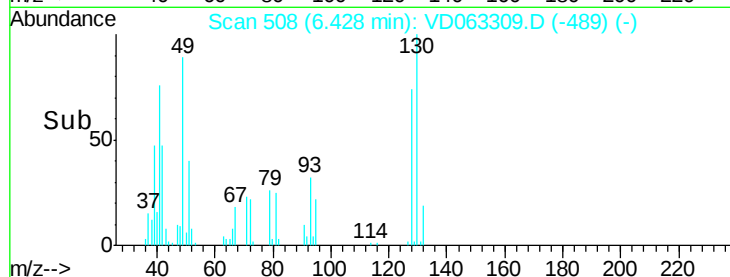
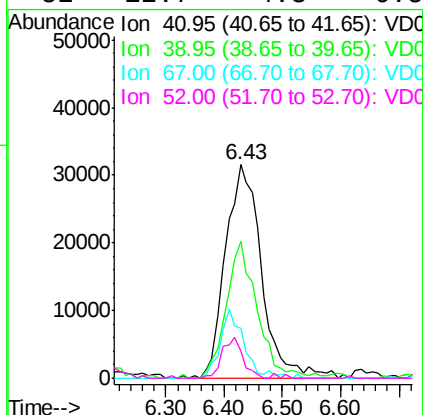
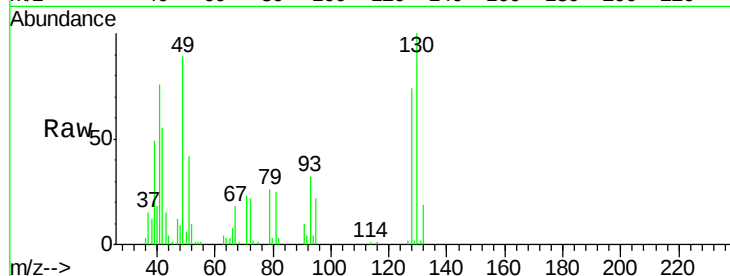




#41
Methacrylonitrile
Concen: 18.605 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

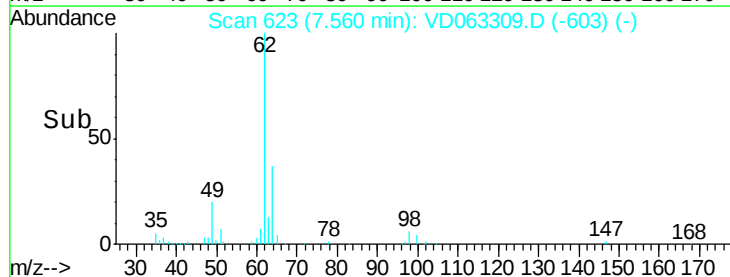
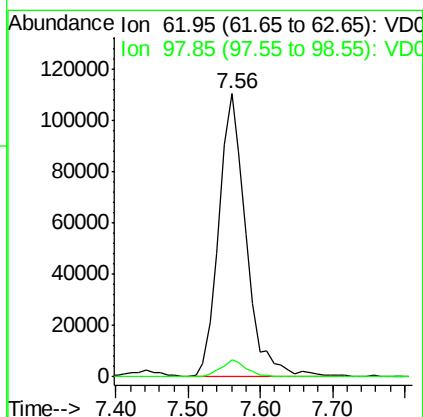
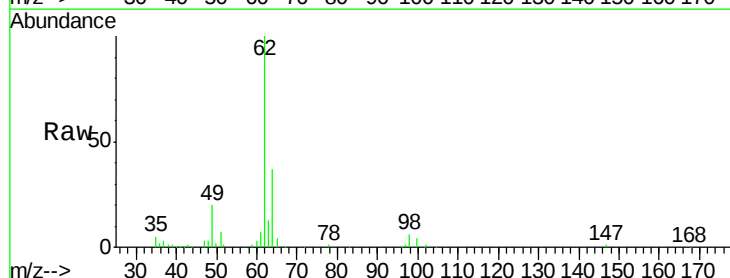
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

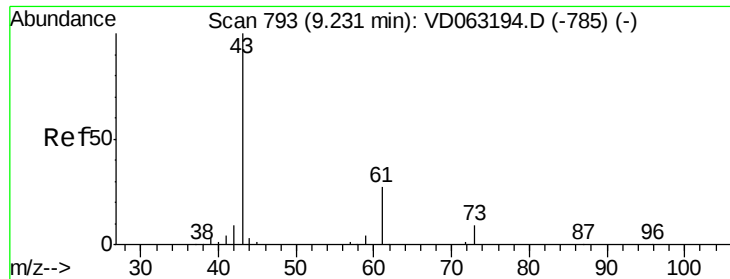
Tot Ion: 41 Resp: 135747
Ion Ratio Lower Upper
41 100
39 64.2 38.4 57.6#
67 23.1 6.7 10.1#
52 12.7 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 19.140 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 62 Resp: 288628
Ion Ratio Lower Upper
62 100
98 6.2 0.0 9.8



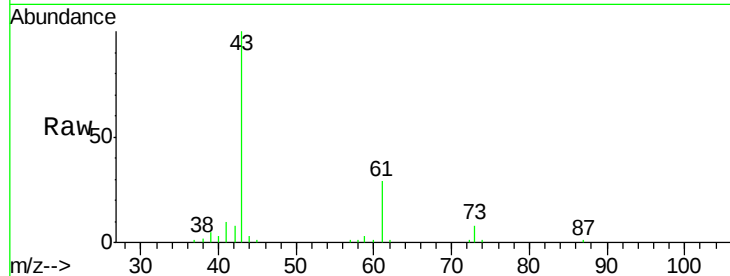


#43

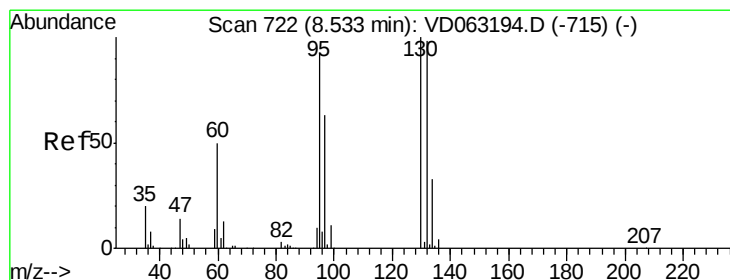
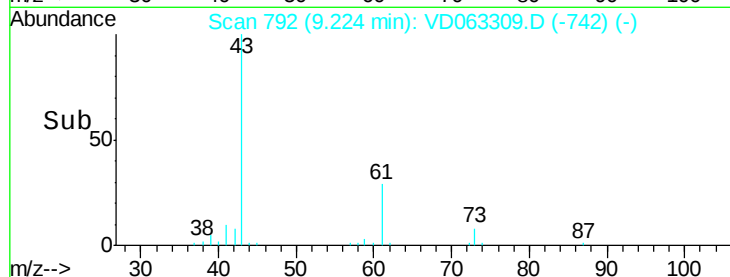
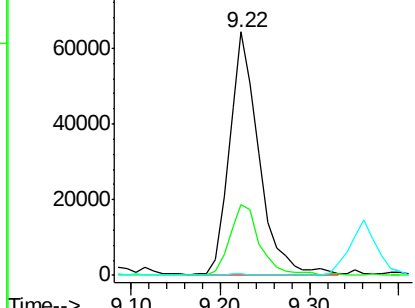
Isopropyl Acetate
 Concen: 19.148 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

Tot Ion: 43 Resp: 149185
 Ion Ratio Lower Upper
 43 100
 61 29.3 21.4 32.0
 87 0.6 0.2 0.4#



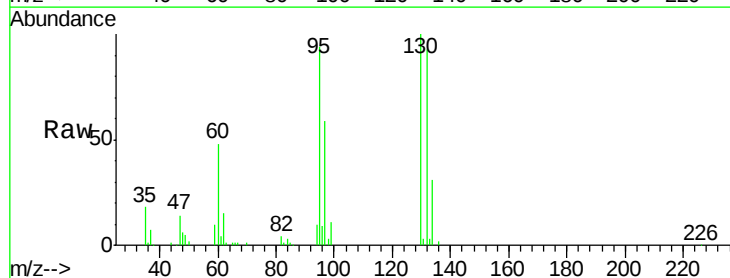
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



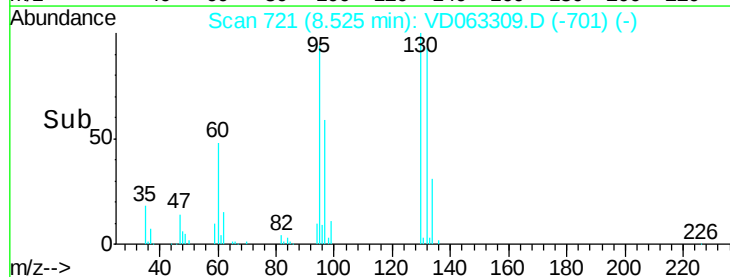
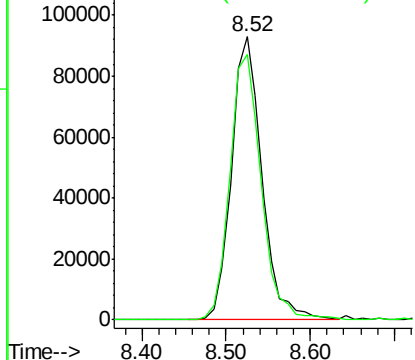
#44

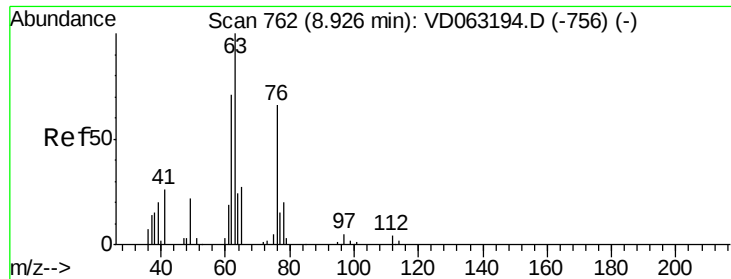
Trichloroethene
 Concen: 20.229 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion: 130 Resp: 233234
 Ion Ratio Lower Upper
 130 100
 95 94.0 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 19.509 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

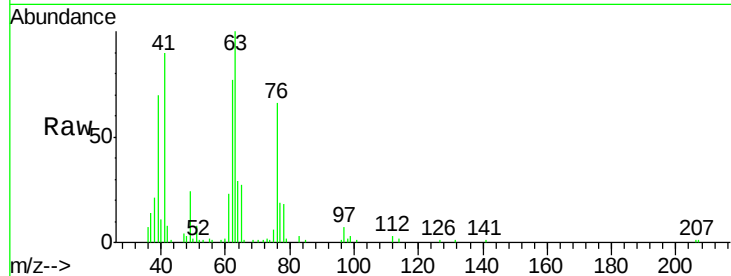
VD0802SBS01

Tot Ion: 63 Resp: 141093

Ion Ratio Lower Upper

63 100

65 26.5 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

60000

50000

40000

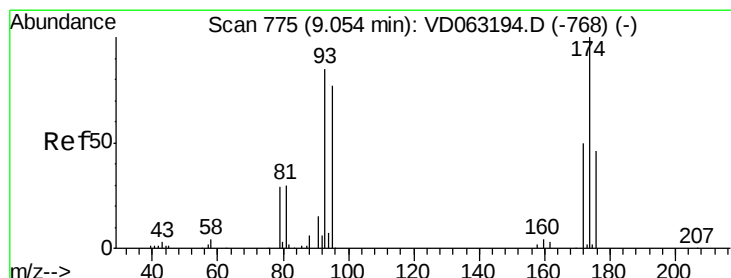
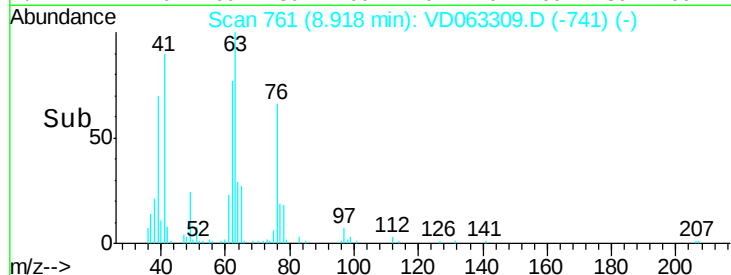
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 19.627 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

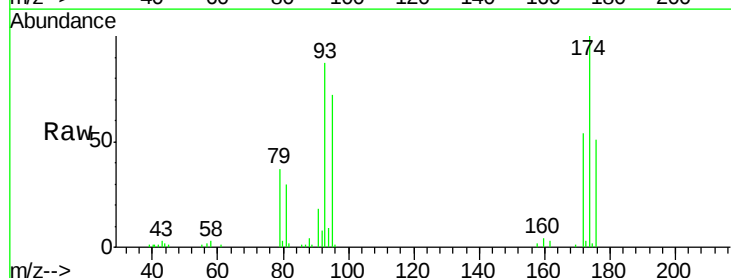
Tgt Ion: 93 Resp: 118026

Ion Ratio Lower Upper

93 100

95 83.4 72.8 109.2

174 115.5 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

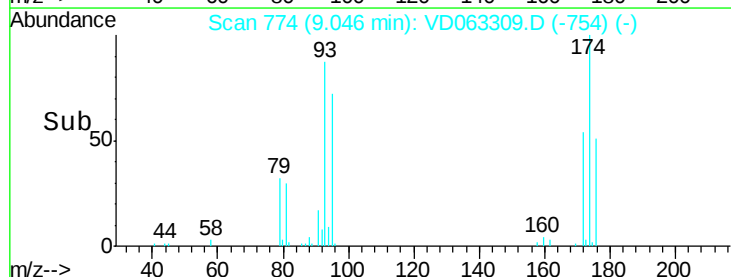
60000

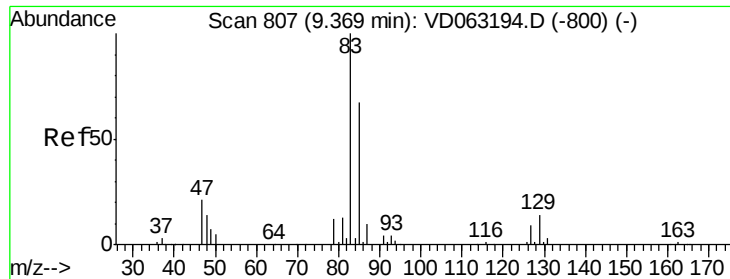
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 20.269 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

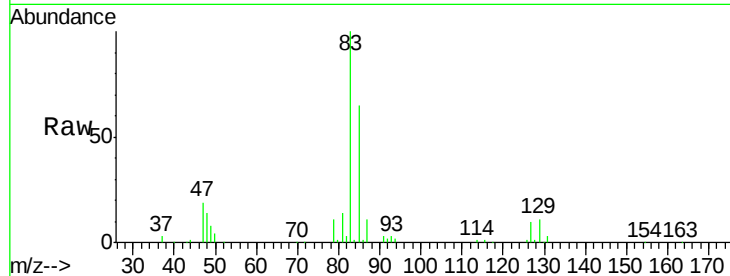
Tot Ion: 83 Resp: 310707

Ion Ratio Lower Upper

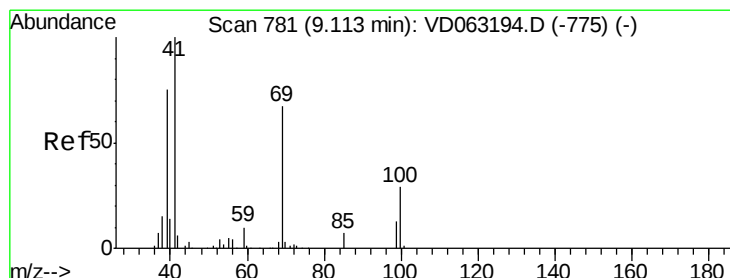
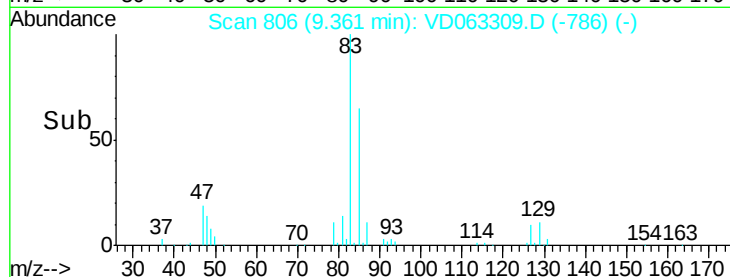
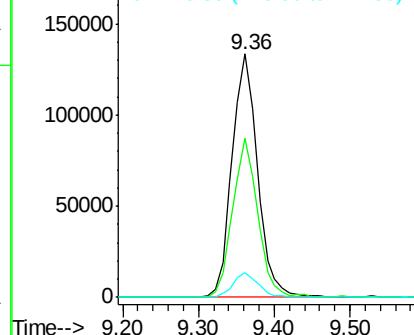
83 100

85 65.1 53.6 80.4

127 9.9 7.2 10.8



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: 19.984 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

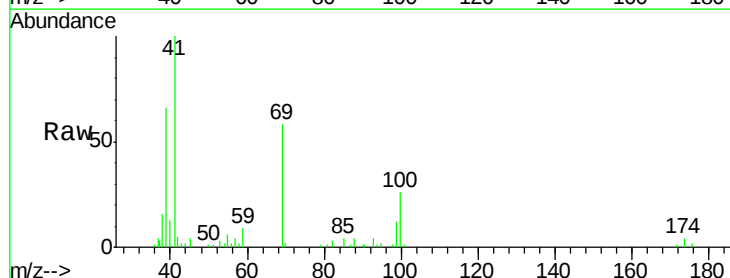
Tgt Ion: 41 Resp: 100980

Ion Ratio Lower Upper

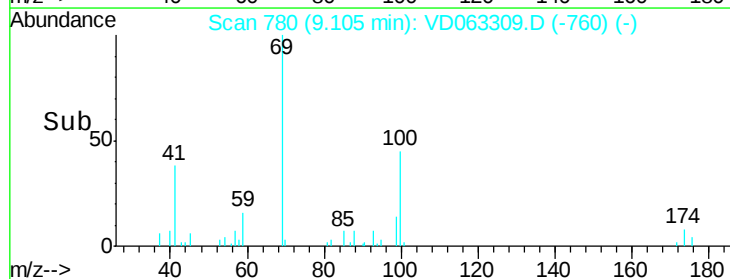
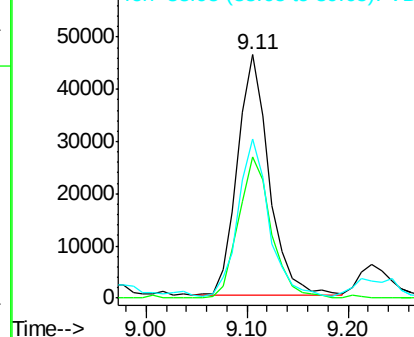
41 100

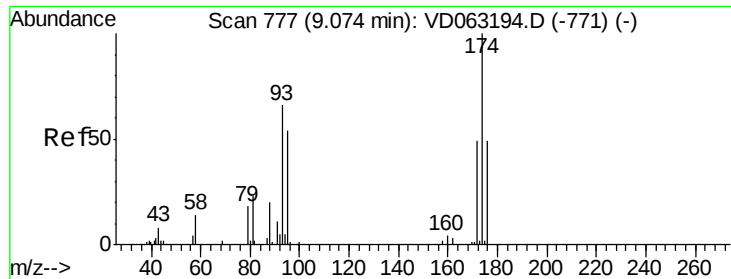
69 58.1 53.4 80.0

39 65.6 60.3 90.5



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

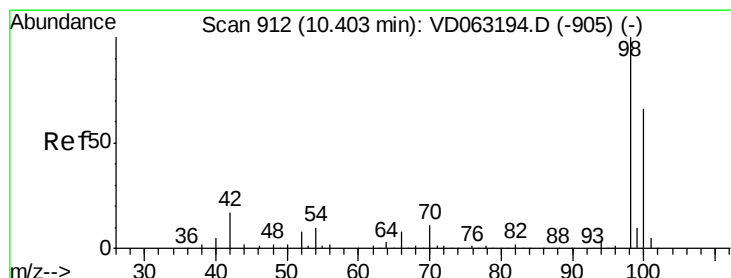
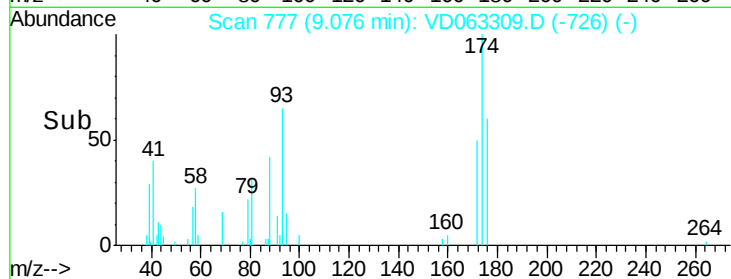
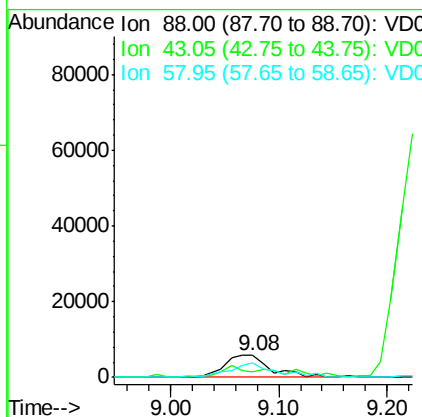
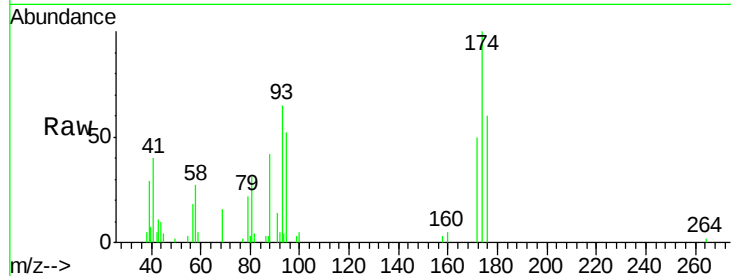




#49
1,4-Dioxane
Concen: 400.655 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

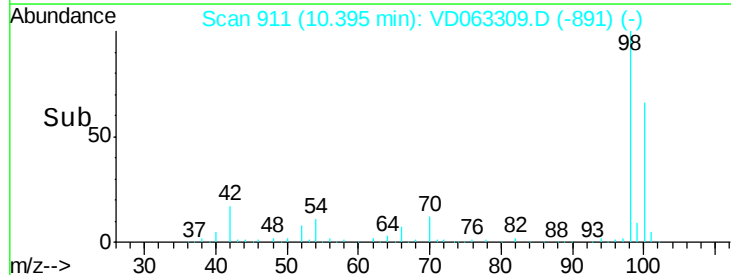
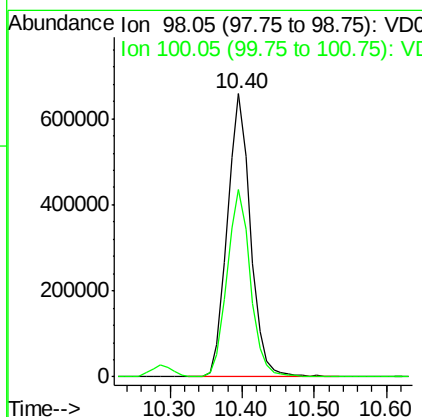
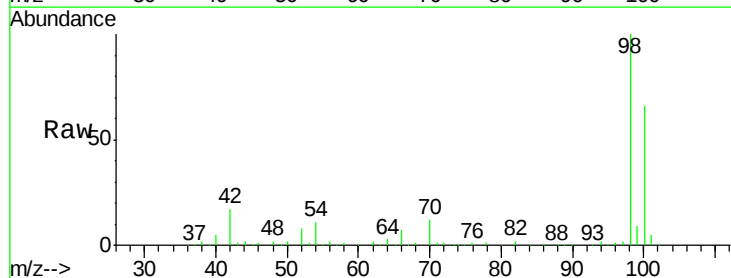
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

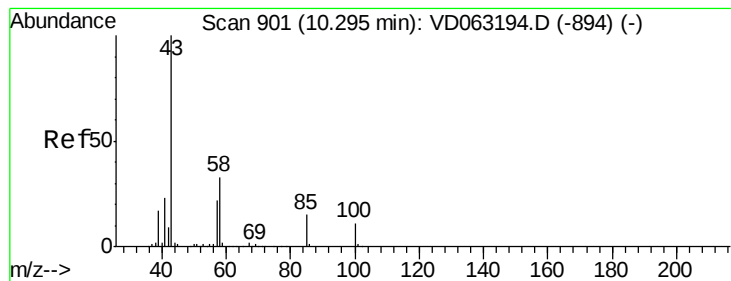
Tot Ion: 88 Resp: 17256
Ion Ratio Lower Upper
88 100
43 26.7 30.7 46.1#
58 64.5 56.5 84.7



#50
Toluene-d8
Concen: 51.725 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 98 Resp: 1470284
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 103.686 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

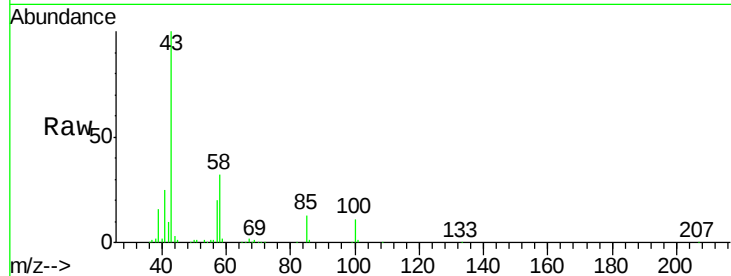
VD0802SBS01

Tot Ion: 43 Resp: 549406

Ion Ratio Lower Upper

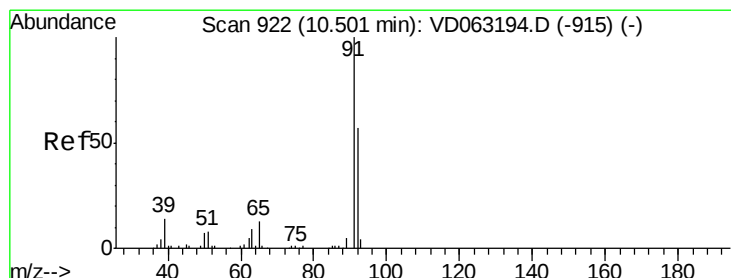
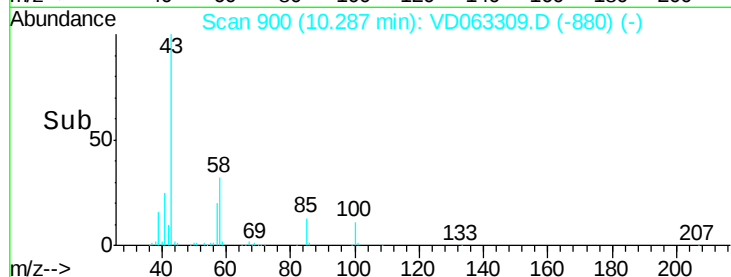
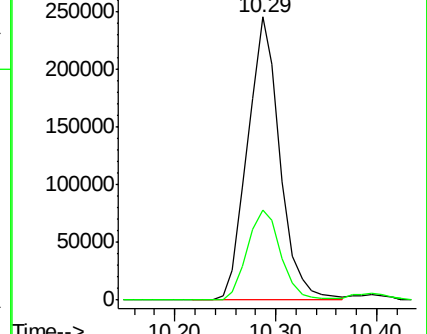
43 100

58 31.9 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.531 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063309.D

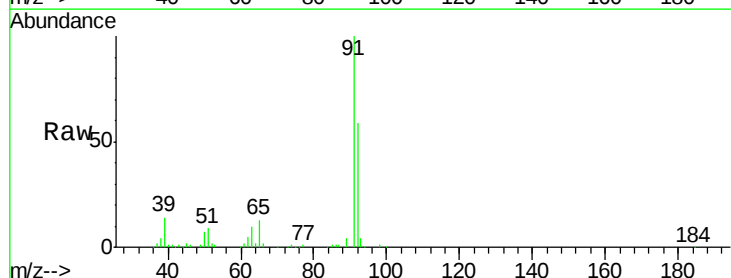
Acq: 2 Aug 2019 11:50

Tgt Ion: 92 Resp: 388535

Ion Ratio Lower Upper

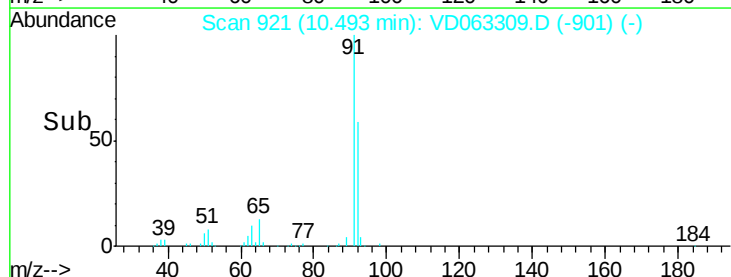
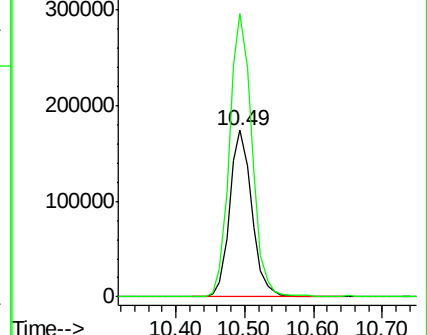
92 100

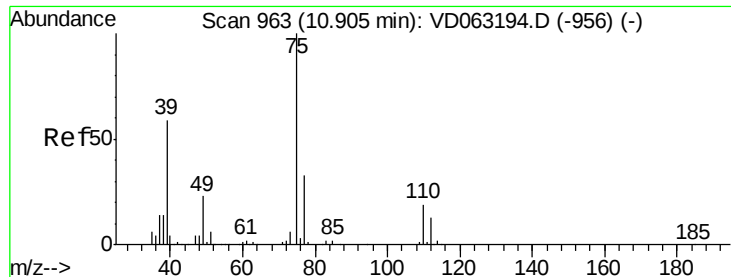
91 170.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

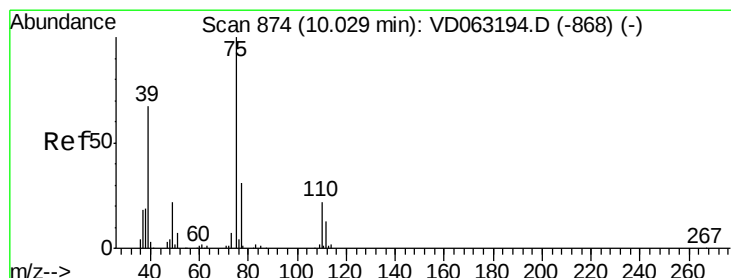
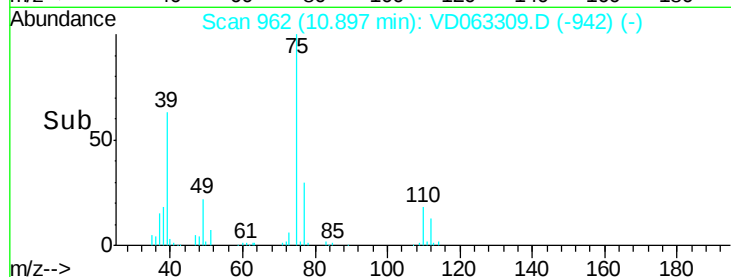
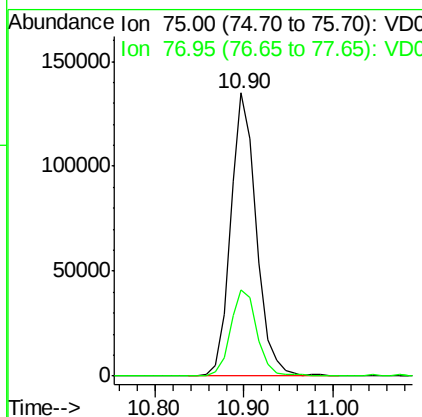
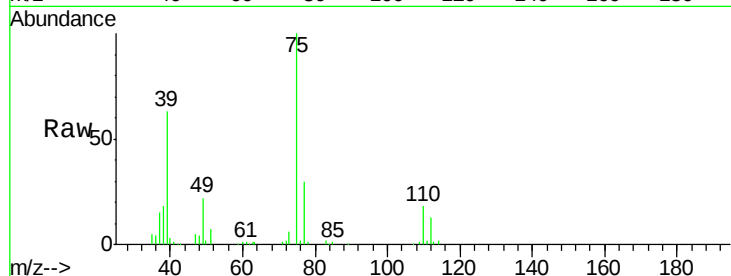




#53
t-1,3-Dichloropropene
Concen: 20.615 ug/l
RT: 10.90 min Scan# 962
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

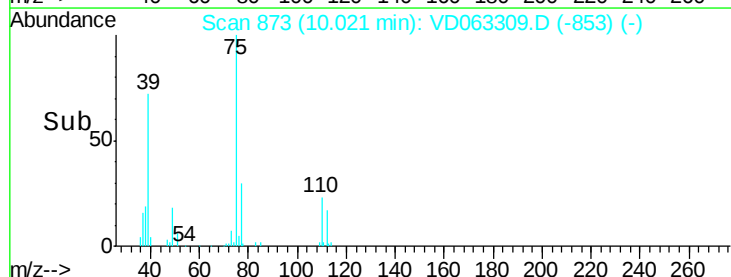
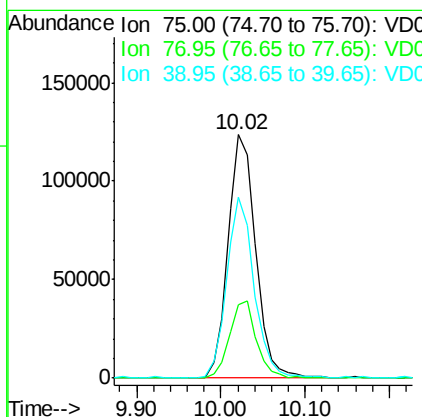
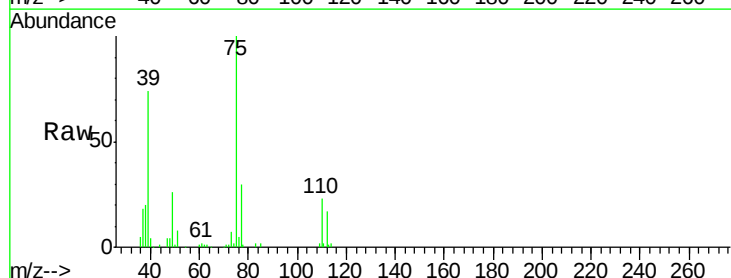
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

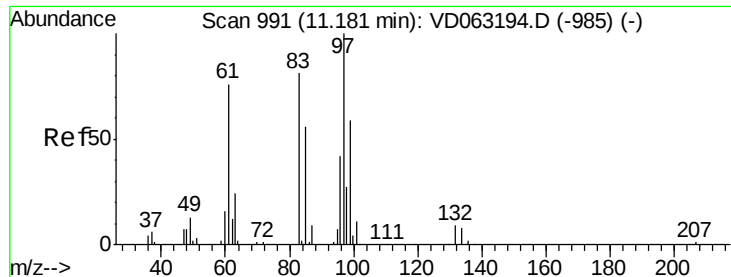
Tot Ion: 75 Resp: 272435
Ion Ratio Lower Upper
75 100
77 30.3 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 20.323 ug/l
RT: 10.02 min Scan# 873
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 75 Resp: 282268
Ion Ratio Lower Upper
75 100
77 30.3 24.9 37.3
39 74.2 53.9 80.9

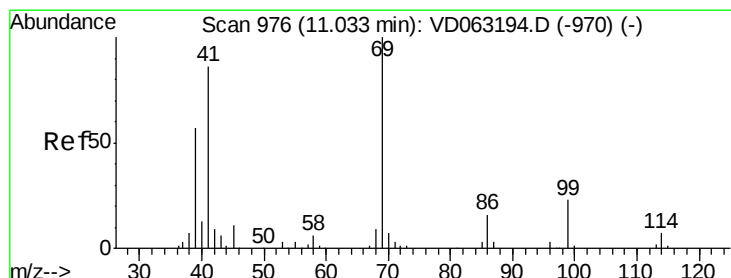
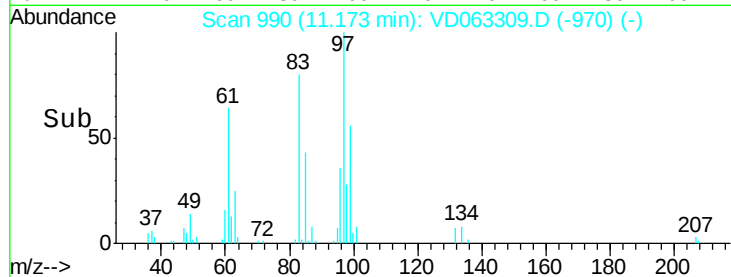
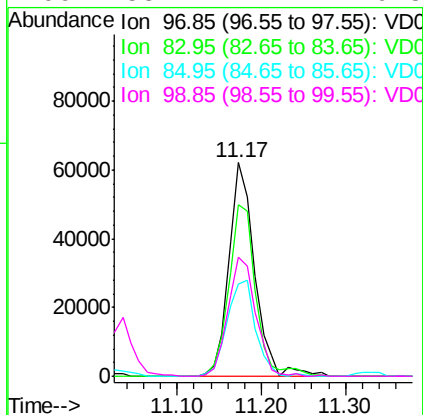
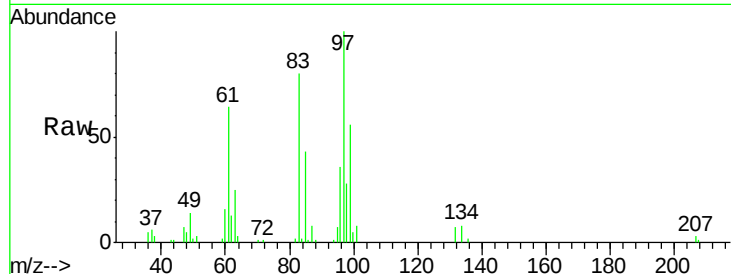




#55
 1,1,2-Trichloroethane
 Concen: 20.673 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

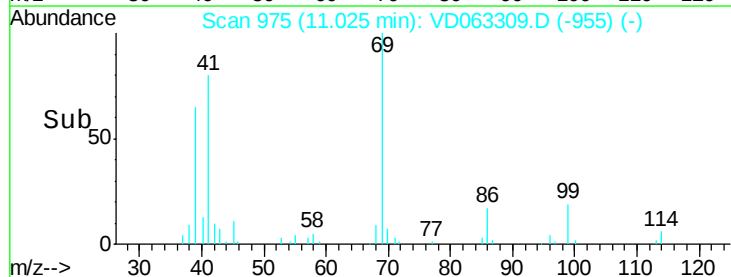
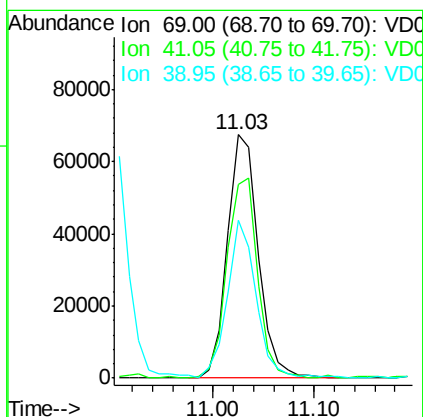
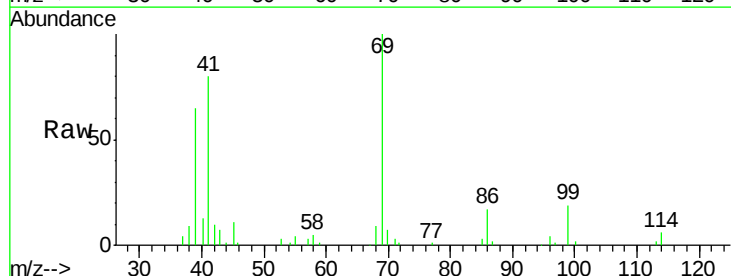
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

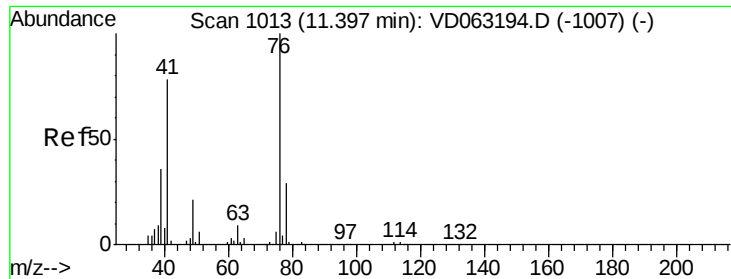
Tot Ion:	97	Resp:	132133
Ion	Ratio	Lower	Upper
97	100		
83	80.3	64.8	97.2
85	43.3	44.9	67.3#
99	55.7	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 20.542 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion:	69	Resp:	143774
Ion	Ratio	Lower	Upper
69	100		
41	79.7	68.8	103.2
39	64.7	45.8	68.8

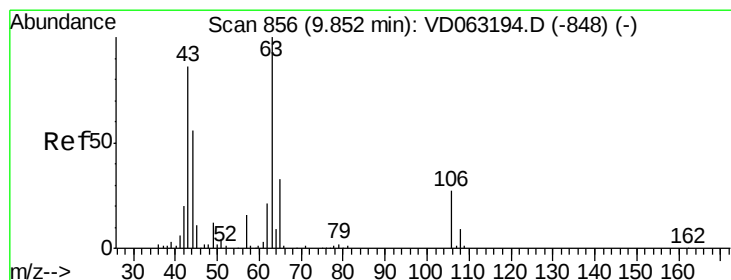
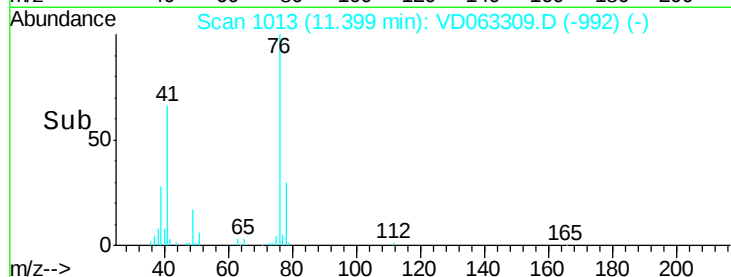
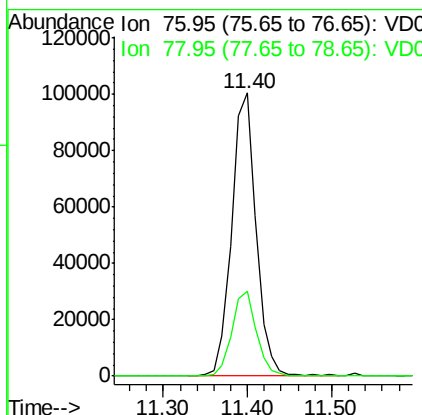
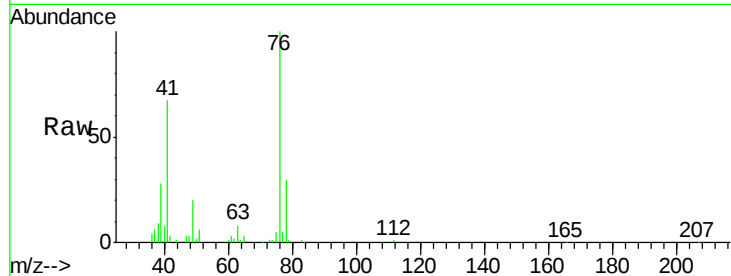




#57
 1,3-Dichloropropane
 Concen: 20.168 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

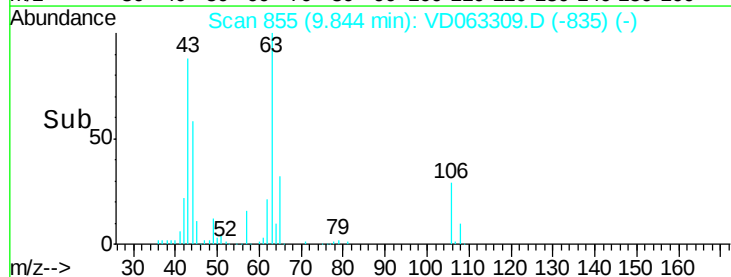
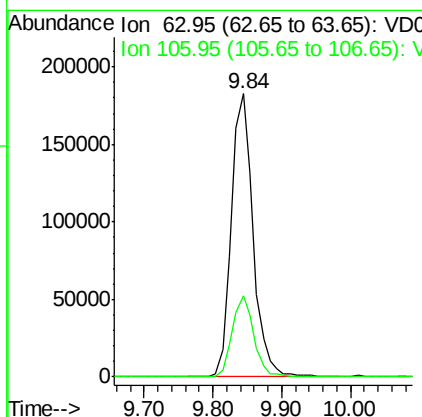
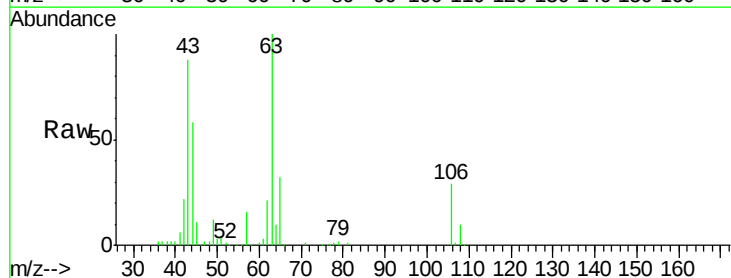
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

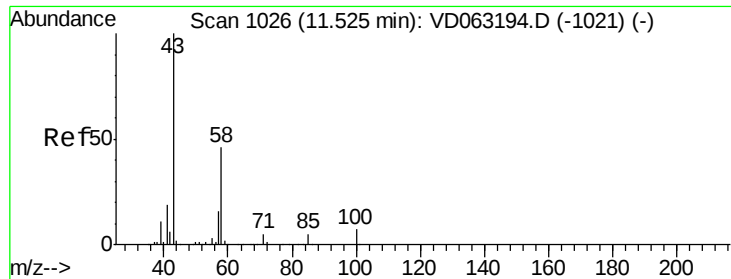
Tot Ion: 76 Resp: 203104
 Ion Ratio Lower Upper
 76 100
 78 29.8 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.612 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion: 63 Resp: 399187
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.0 33.0

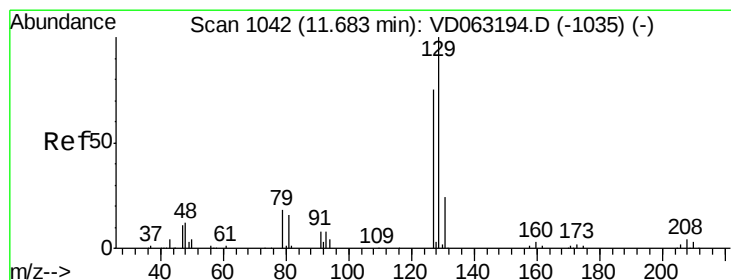
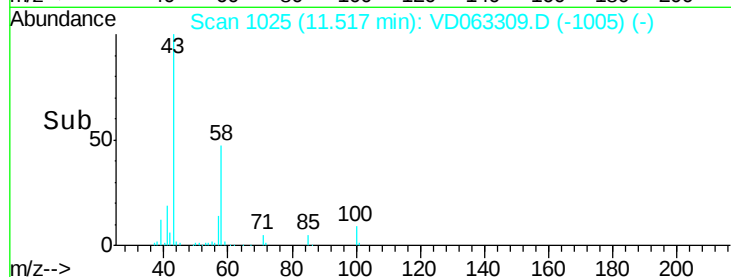
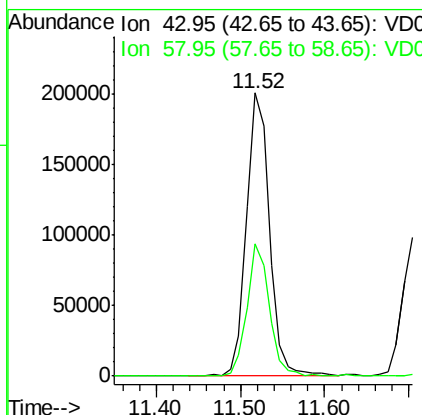
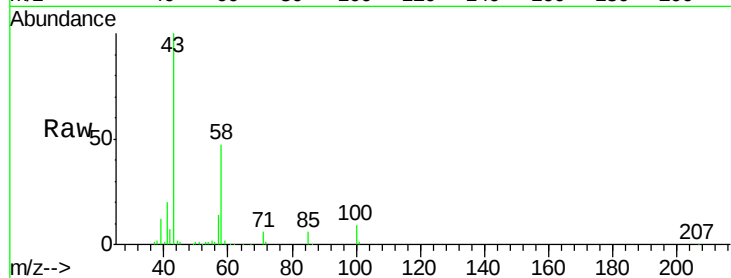




#59
2-Hexanone
Concen: 101.283 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

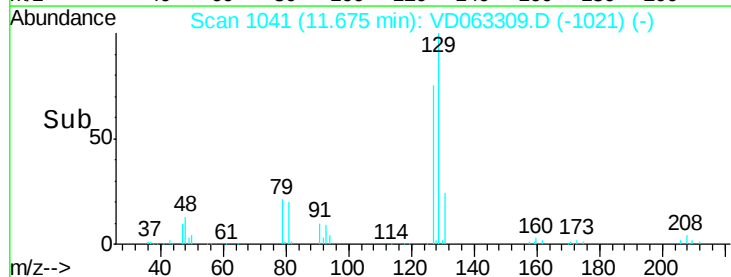
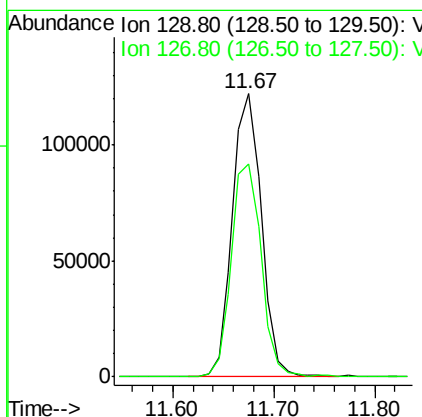
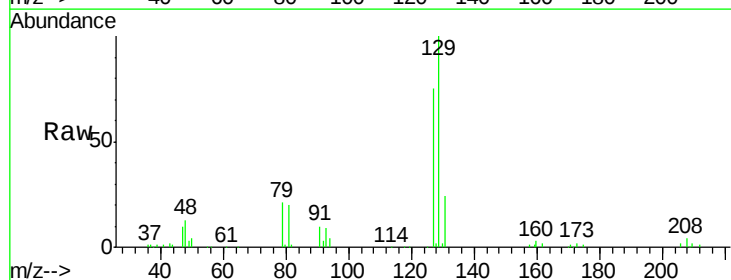
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

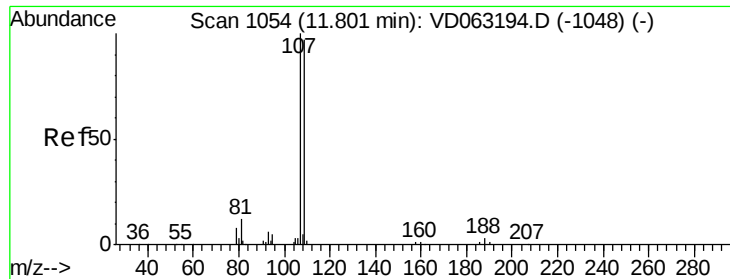
Tot Ion: 43 Resp: 386748
Ion Ratio Lower Upper
43 100
58 46.7 22.9 68.5



#60
Dibromochloromethane
Concen: 20.394 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 129 Resp: 246076
Ion Ratio Lower Upper
129 100
127 75.1 37.6 112.8





#61

1,2-Dibromoethane

Concen: 20.519 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

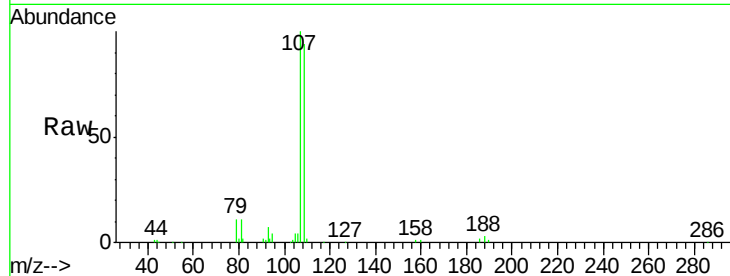
VD0802SBS01

Tot Ion:107 Resp: 161826

Ion Ratio Lower Upper

107 100

109 94.2 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.79

100000

80000

60000

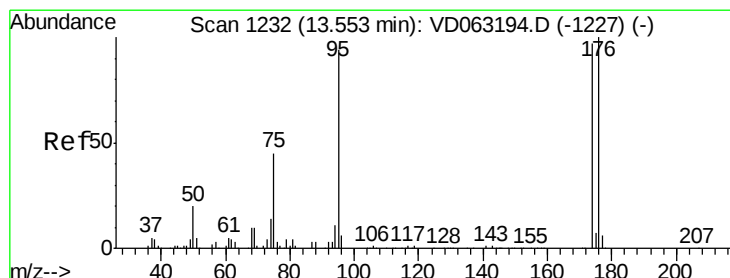
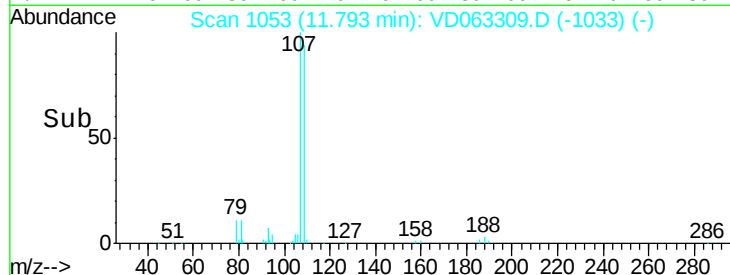
40000

20000

0

Time-->

11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 51.956 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

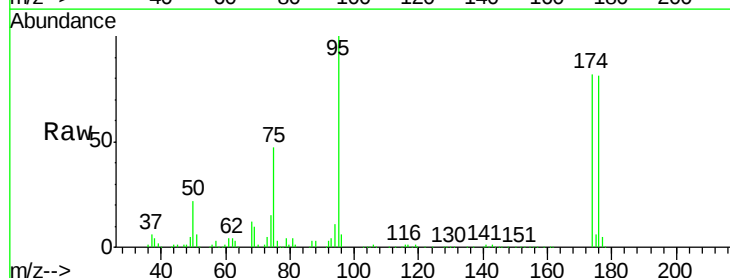
Tgt Ion: 95 Resp: 673000

Ion Ratio Lower Upper

95 100

174 82.0 0.0 205.4

176 80.8 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.55

600000

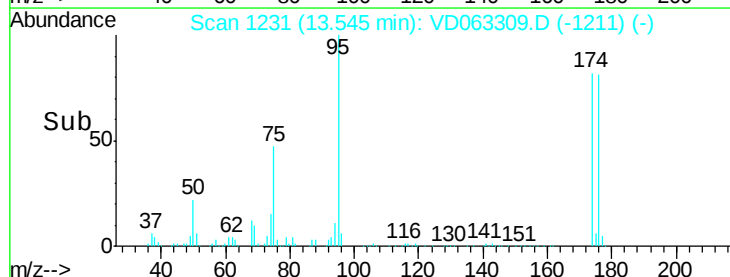
400000

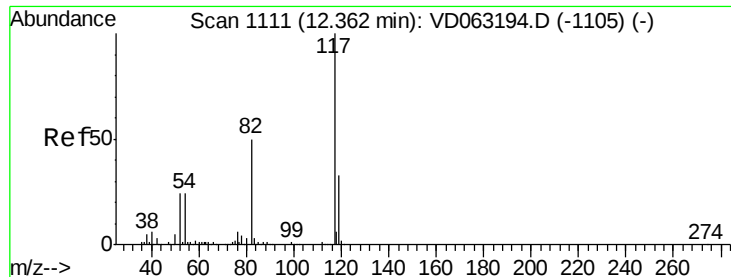
200000

0

Time-->

13.50 13.60

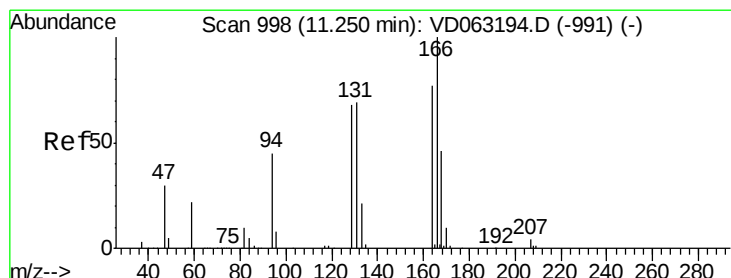
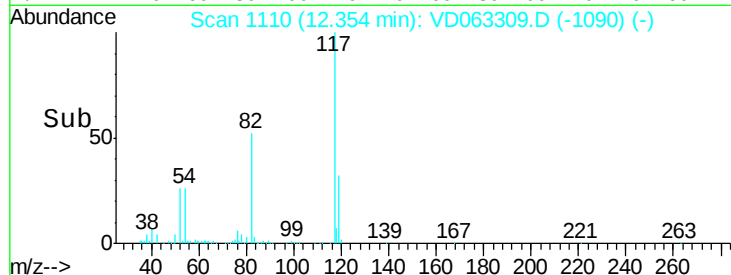
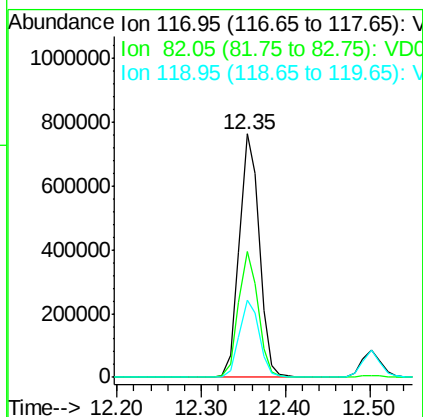
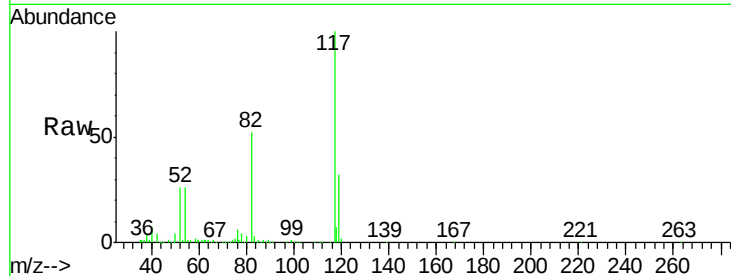




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

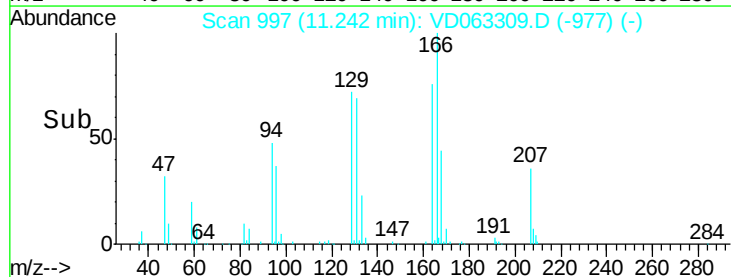
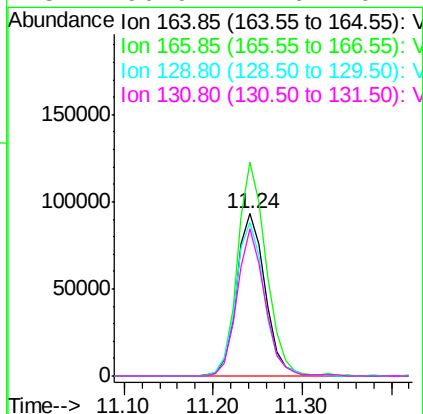
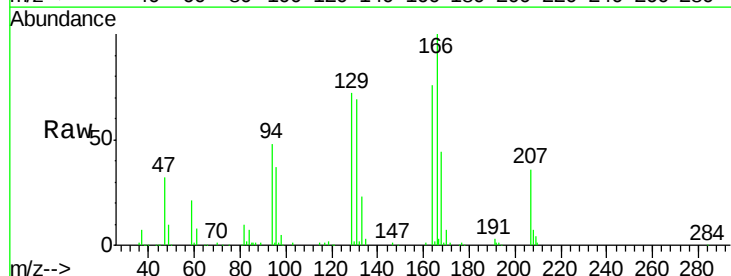
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

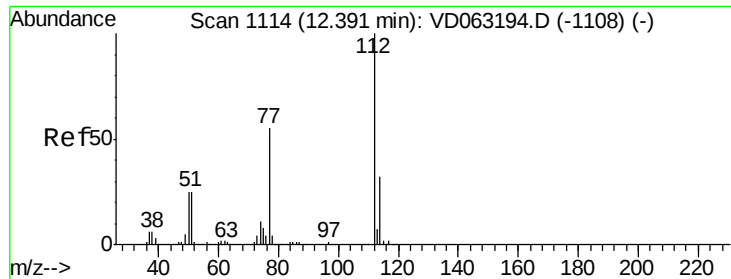
Tot Ion:117 Resp: 1269773
Ion Ratio Lower Upper
117 100
82 51.8 40.1 60.1
119 31.7 26.5 39.7



#64
Tetrachloroethene
Concen: 20.539 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion:164 Resp: 207773
Ion Ratio Lower Upper
164 100
166 131.6 104.3 156.5
129 94.5 70.9 106.3
131 90.9 71.6 107.4

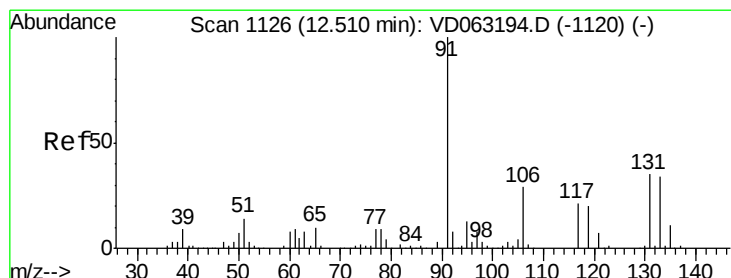
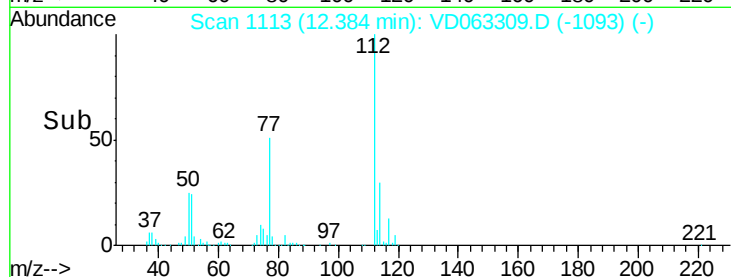
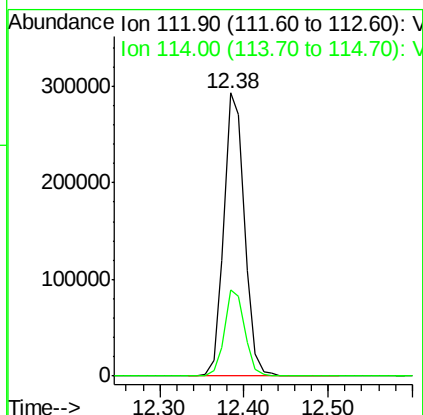
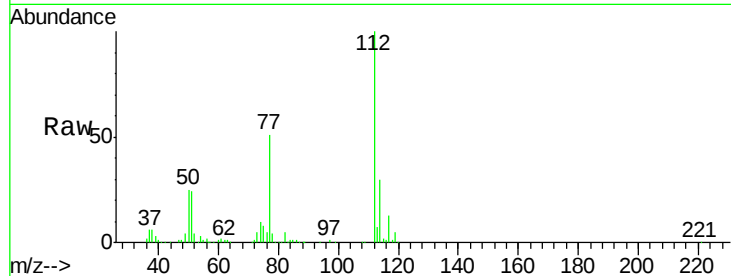




#65
Chlorobenzene
Concen: 20.482 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

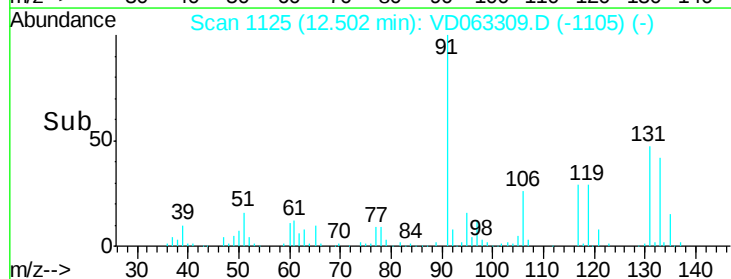
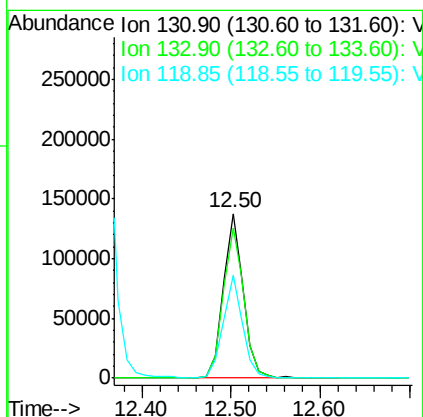
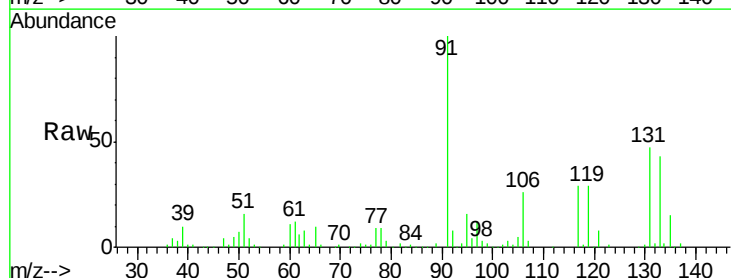
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

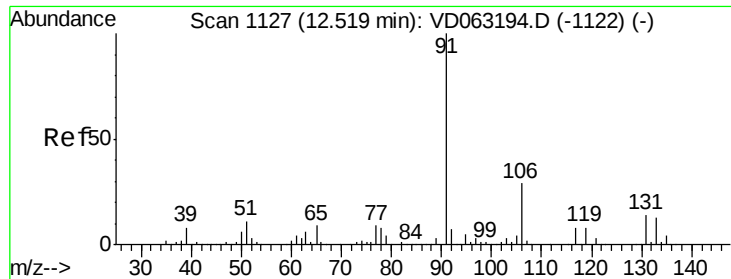
Tot Ion:112 Resp: 500230
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.266 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion:131 Resp: 218029
Ion Ratio Lower Upper
131 100
133 91.7 48.4 145.2
119 62.6 29.1 87.3

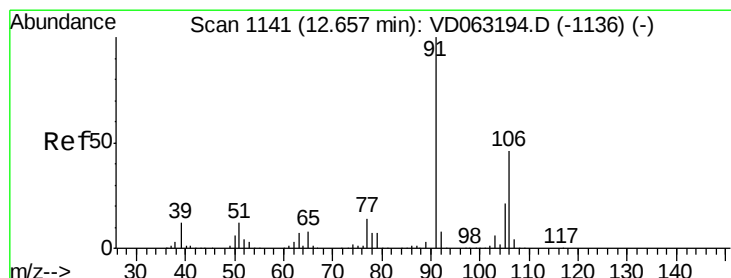
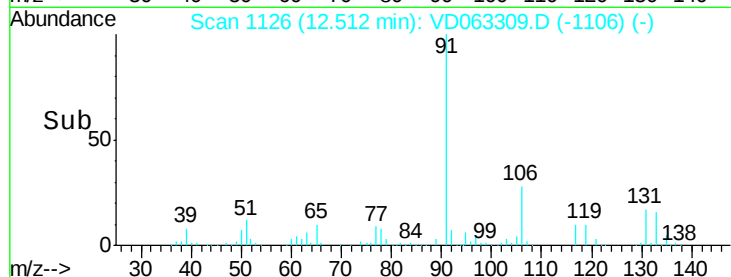
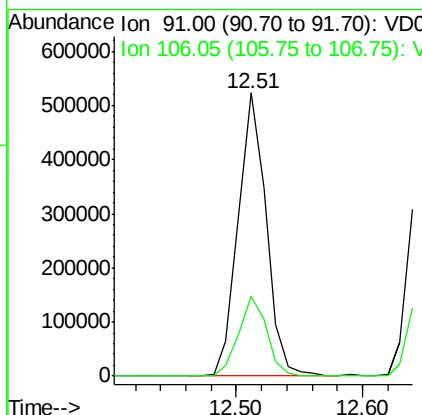
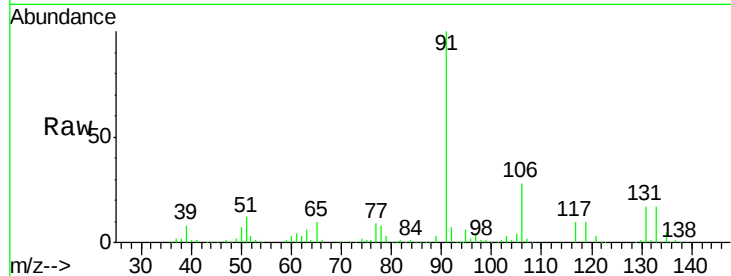




#67
Ethyl Benzene
Concen: 19.390 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

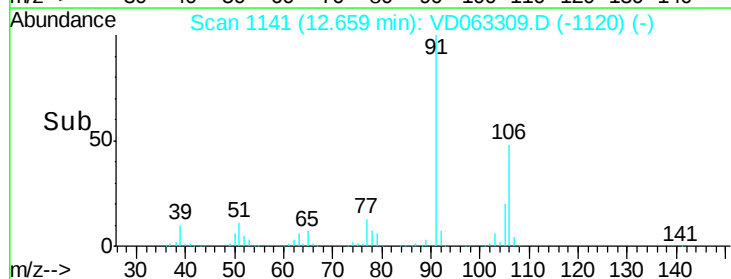
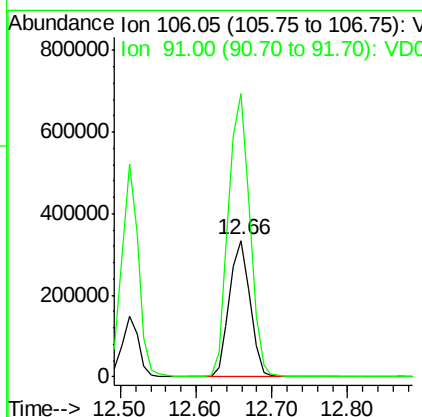
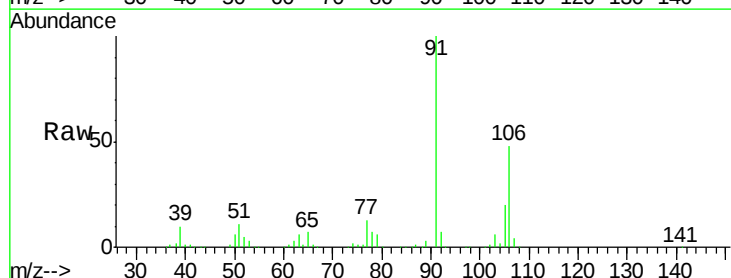
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

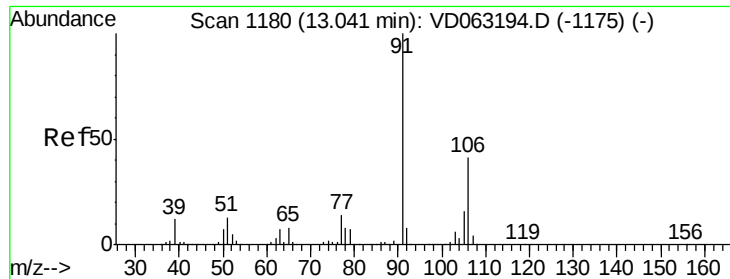
Tot Ion: 91 Resp: 804483
Ion Ratio Lower Upper
91 100
106 28.4 22.9 34.3



#68
m/p-Xylenes
Concen: 41.414 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 106 Resp: 630137
Ion Ratio Lower Upper
106 100
91 207.7 172.6 259.0

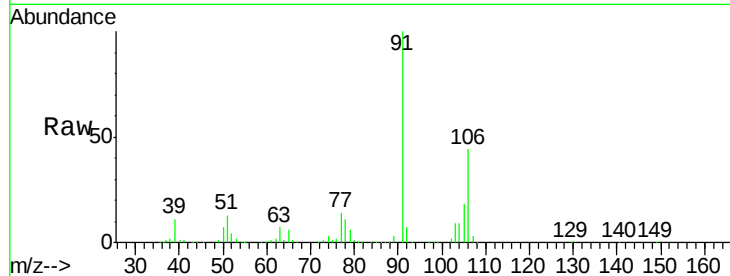




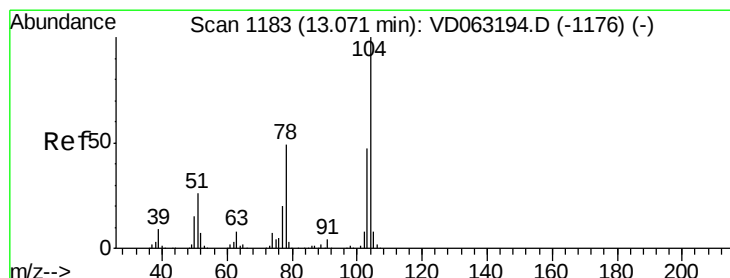
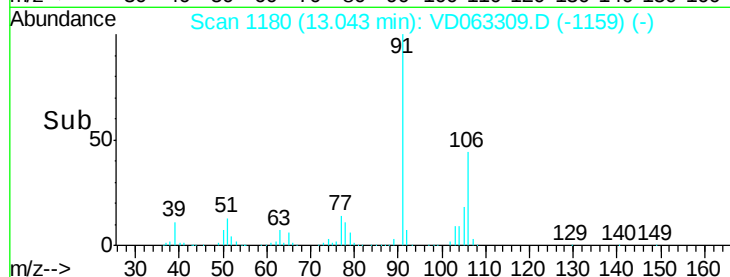
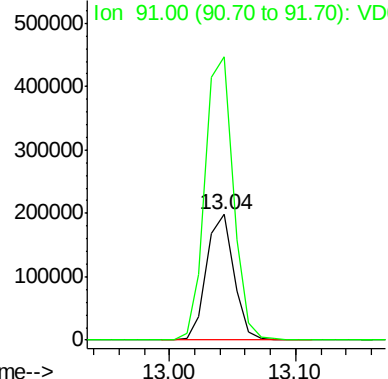
#69
o-Xylene
Concen: 21.245 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

Tot Ion:106 Resp: 296844
Ion Ratio Lower Upper
106 100
91 225.5 121.3 363.9

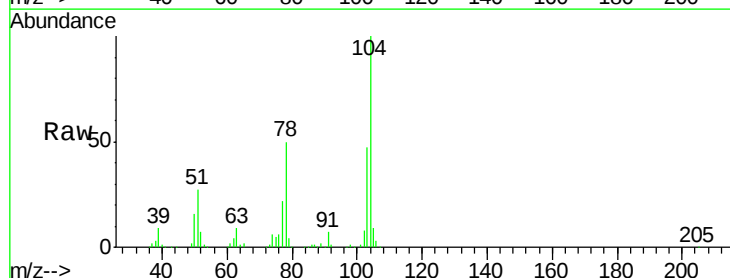


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

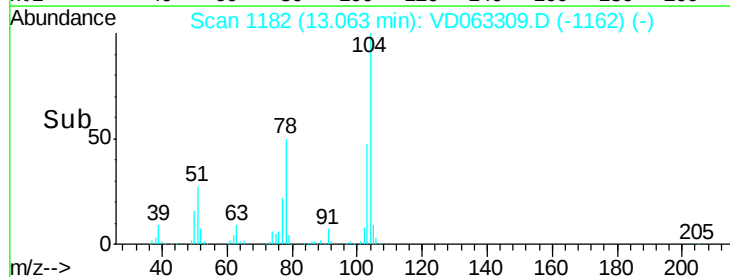
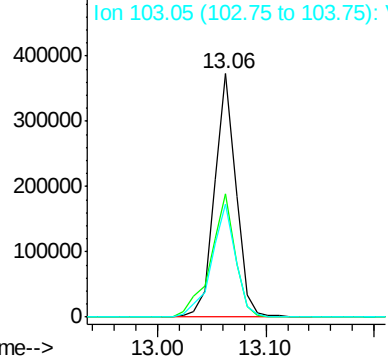


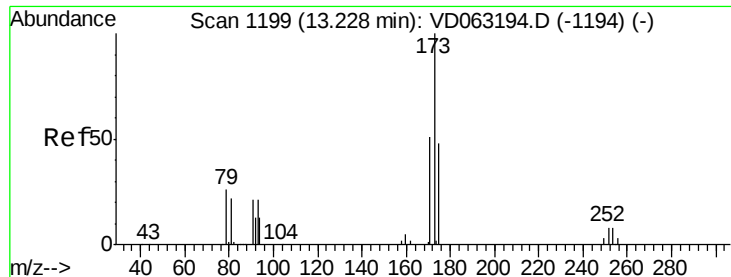
#70
Styrene
Concen: 20.628 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion:104 Resp: 511158
Ion Ratio Lower Upper
104 100
78 50.4 39.4 59.0
103 46.7 37.4 56.2



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





#71

Bromoform

Concen: 17.716 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

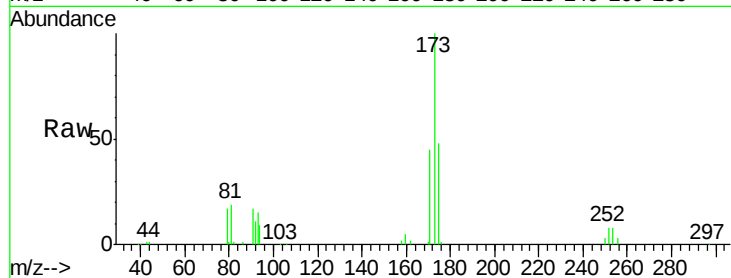
Tot Ion:173 Resp: 138604

Ion Ratio Lower Upper

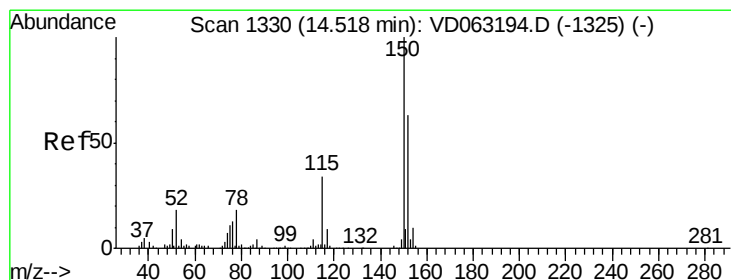
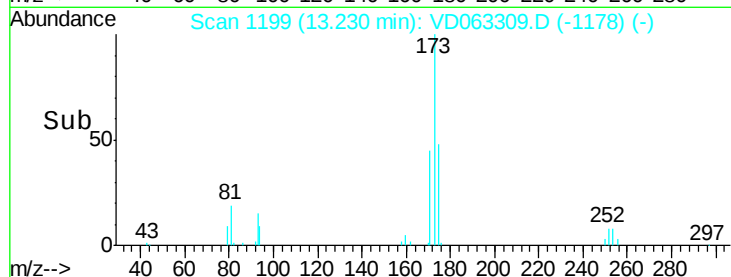
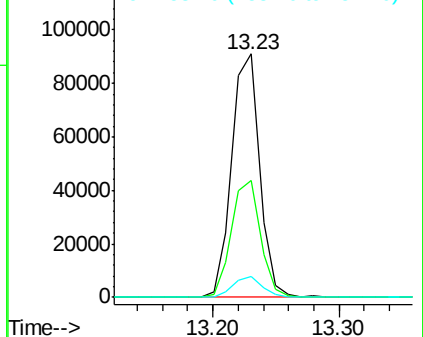
173 100

175 47.8 23.8 71.5

254 8.4 6.6 10.0



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: VD063309.D

Acq: 2 Aug 2019 11:50

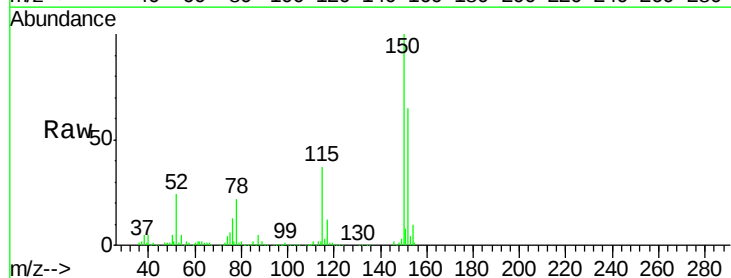
Tgt Ion:152 Resp: 674062

Ion Ratio Lower Upper

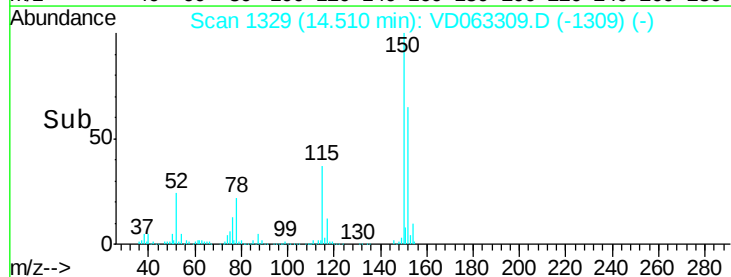
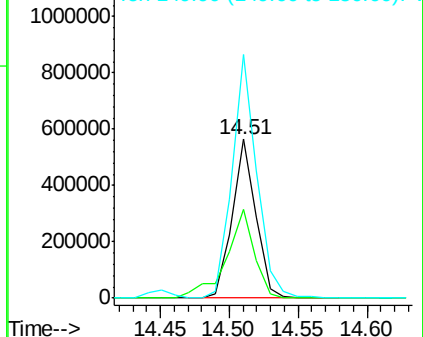
152 100

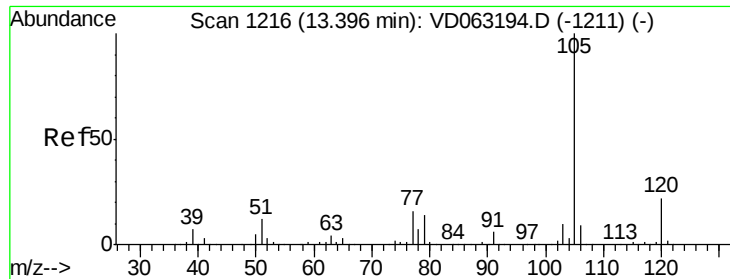
115 56.3 27.5 82.4

150 153.3 0.0 320.6



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: 20.172 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

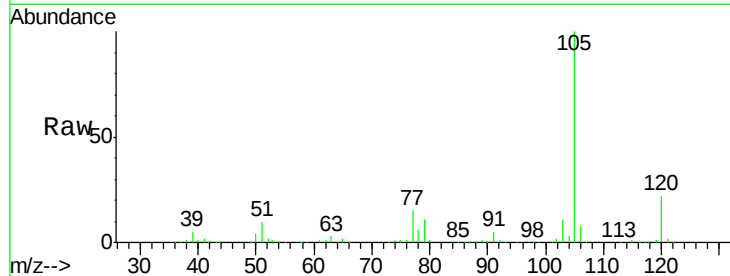
VD0802SBS01

Tot Ion:105 Resp: 853396

Ion Ratio Lower Upper

105 100

120 21.9 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

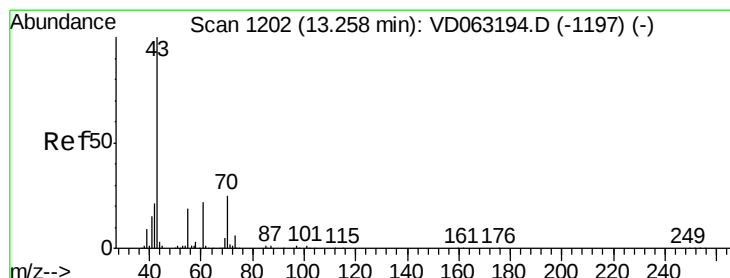
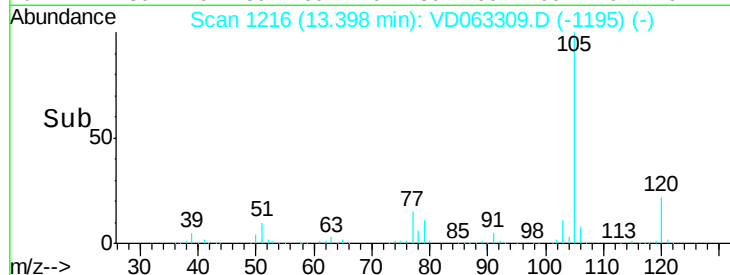
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.025 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Tgt Ion: 43 Resp: 201593

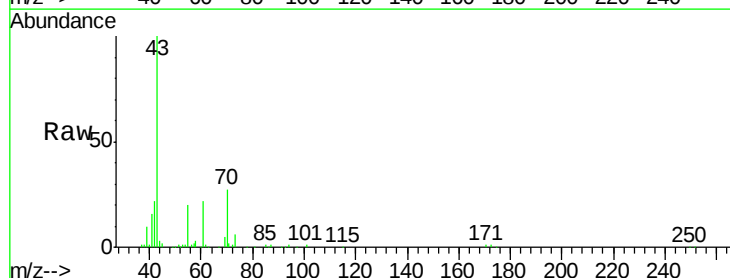
Ion Ratio Lower Upper

43 100

70 26.8 20.2 30.4

55 19.6 14.9 22.3

61 22.1 17.9 26.9



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

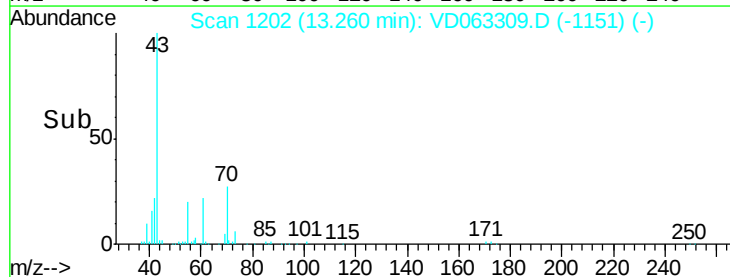
150000

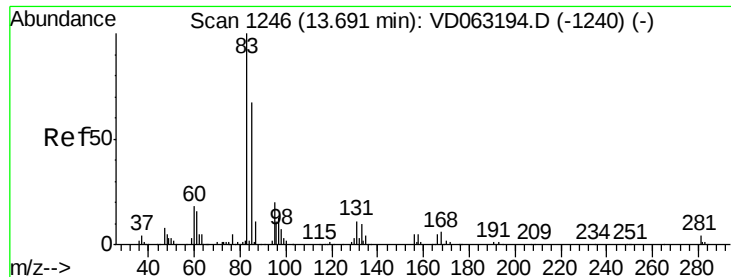
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.799 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

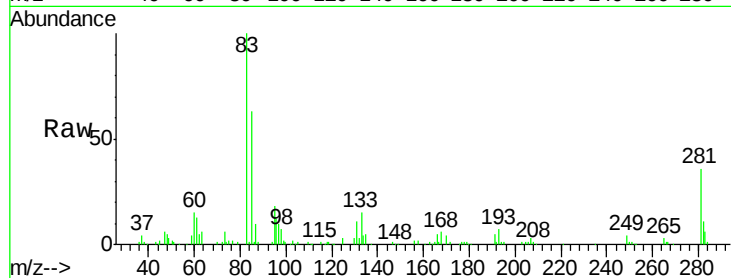
Tot Ion: 83 Resp: 149467

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

85 62.8 33.7 101.1



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

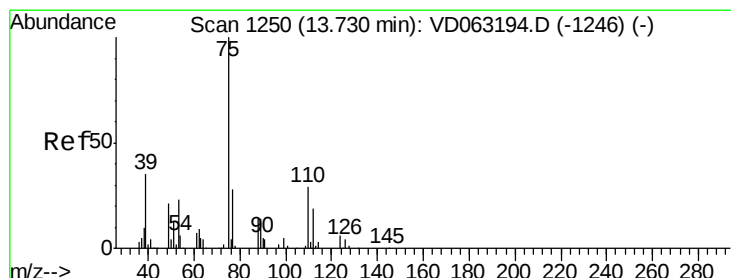
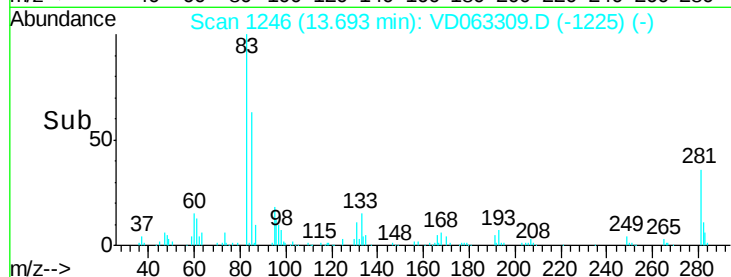
13.69

100000

50000

0

Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 19.535 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063309.D

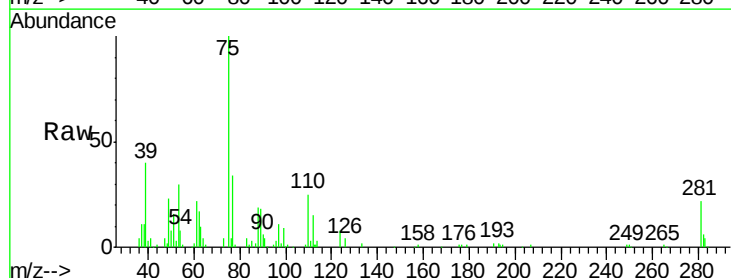
Acq: 2 Aug 2019 11:50

Tgt Ion: 75 Resp: 158165

Ion Ratio Lower Upper

75 100

77 34.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

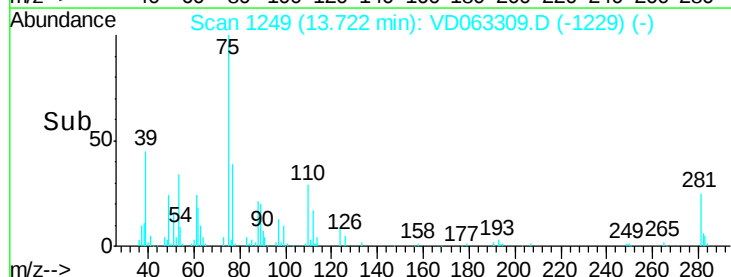
150000

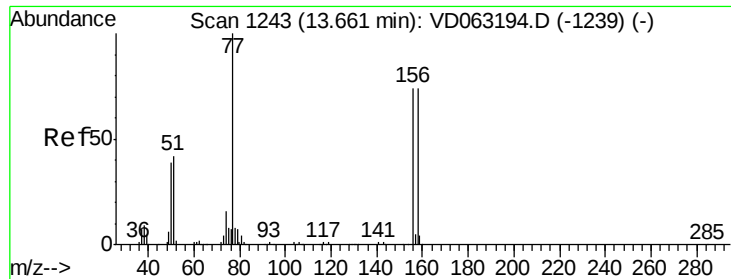
100000

50000

0

Time--> 13.70 13.80





#77

Bromobenzene

Concen: 19.900 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

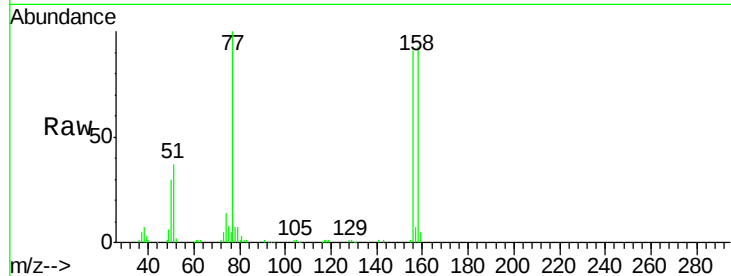
Tot Ion:156 Resp: 239826

Ion Ratio Lower Upper

156 100

77 110.4 67.6 202.8

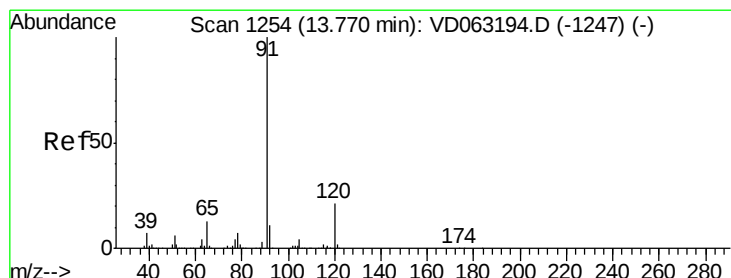
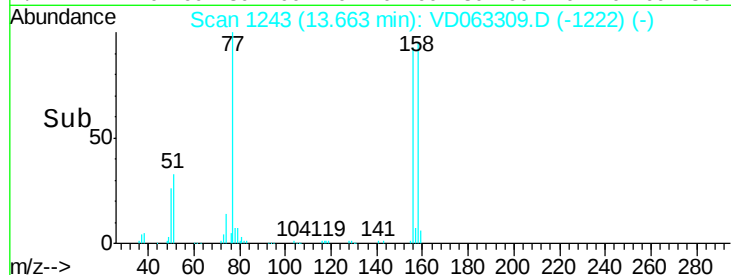
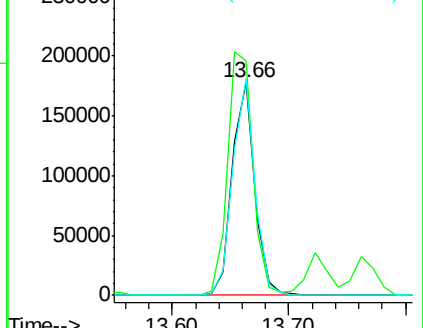
158 102.2 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.405 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD063309.D

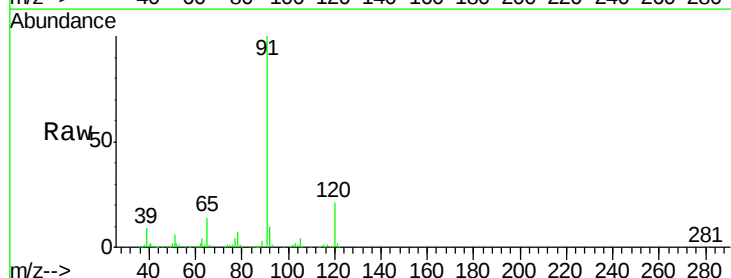
Acq: 2 Aug 2019 11:50

Tgt Ion: 91 Resp: 1027311

Ion Ratio Lower Upper

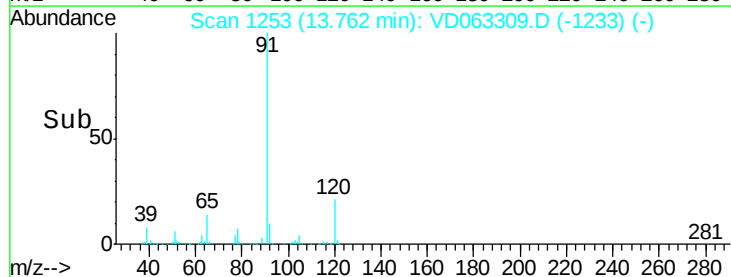
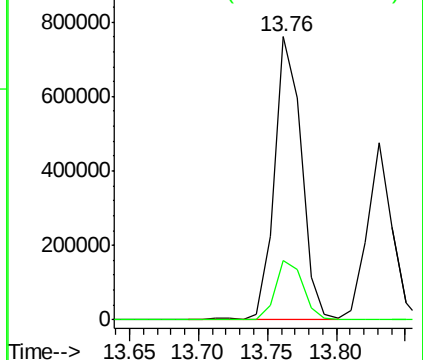
91 100

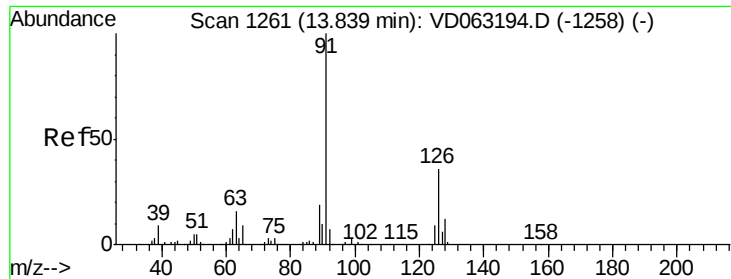
120 21.0 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.624 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

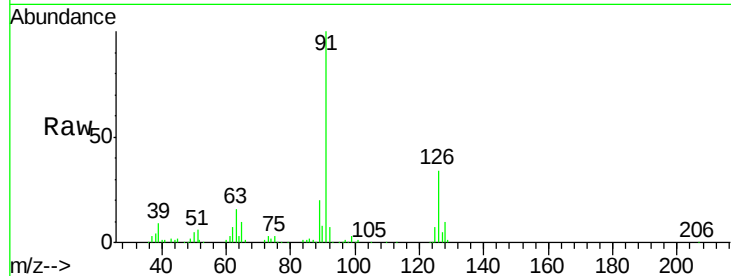
VD0802SBS01

Tot Ion: 91 Resp: 601650

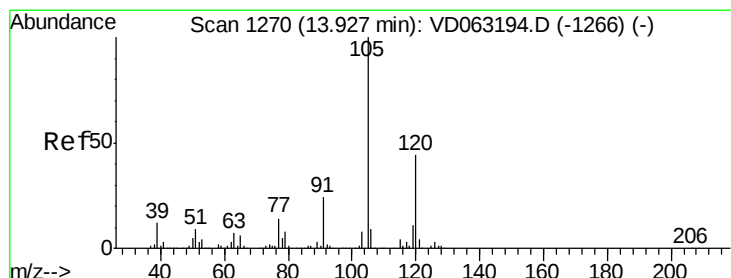
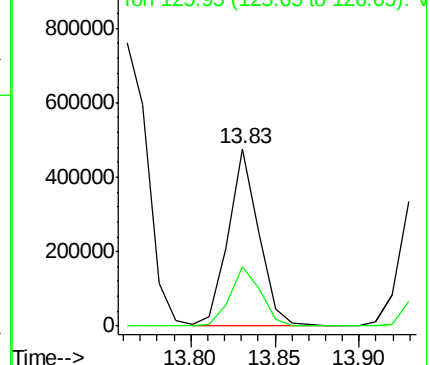
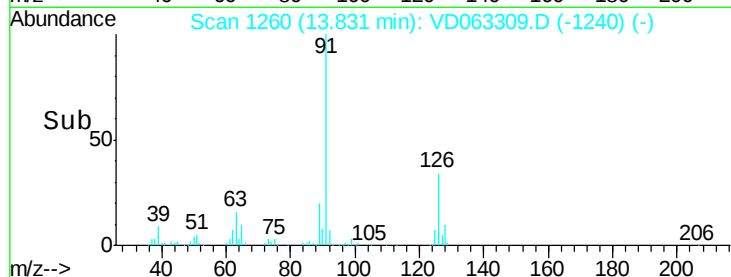
Ion Ratio Lower Upper

91 100

126 33.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063309.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.110 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063309.D

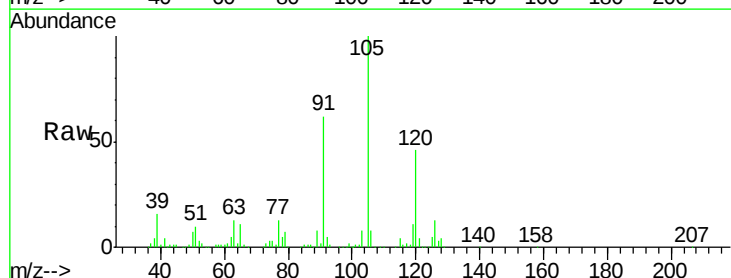
Acq: 2 Aug 2019 11:50

Tgt Ion: 105 Resp: 770285

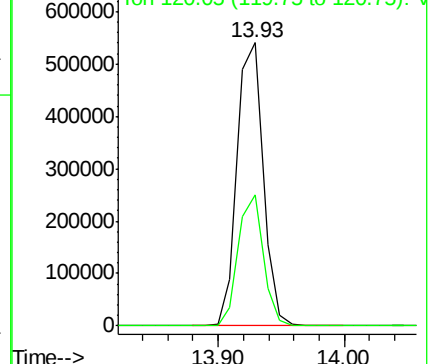
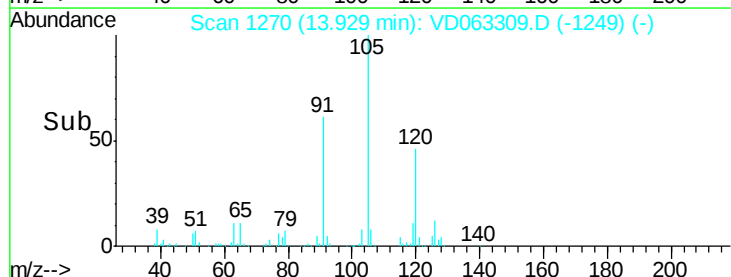
Ion Ratio Lower Upper

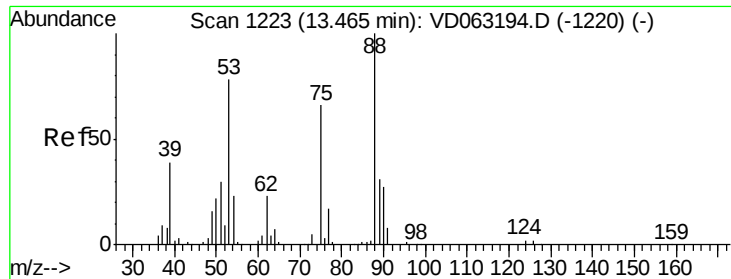
105 100

120 46.4 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063309.D (-1249) (-)

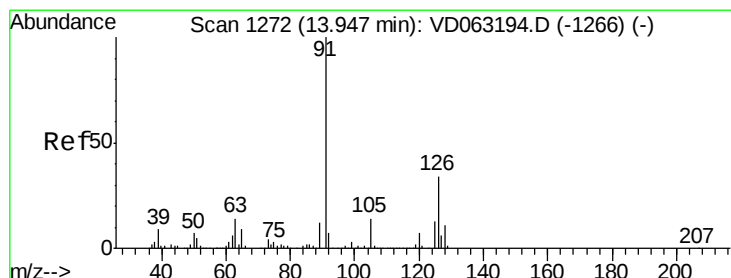
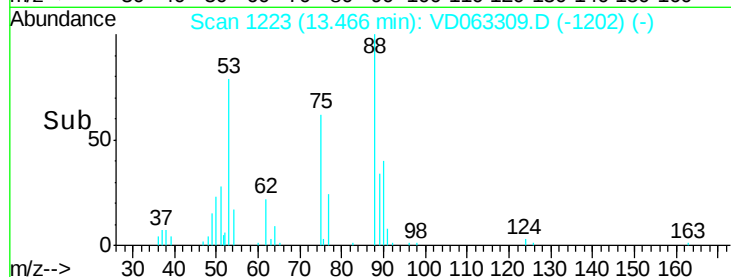
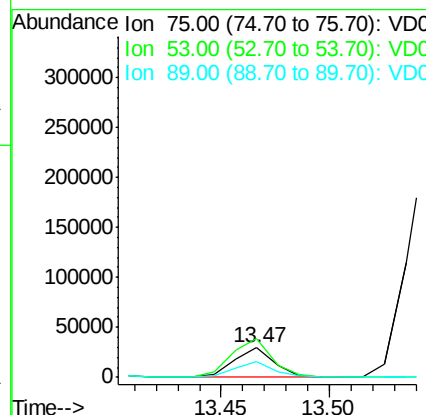
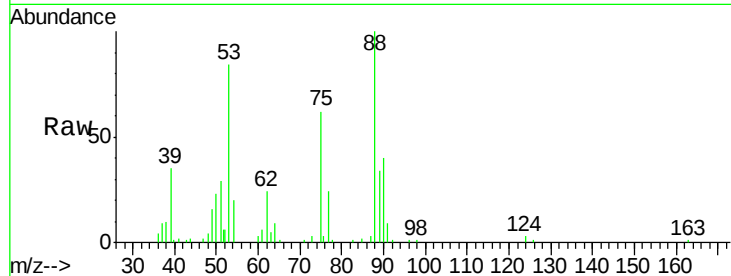




#81
trans-1,4-Dichloro-2-butene
Concen: 16.969 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

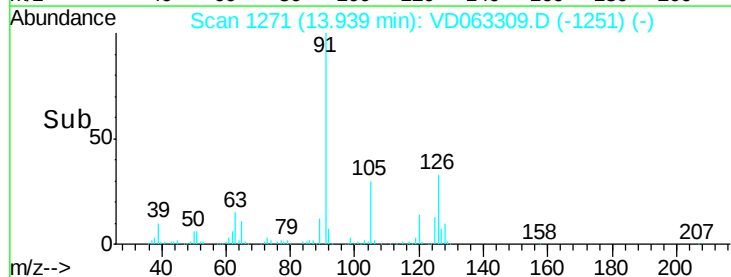
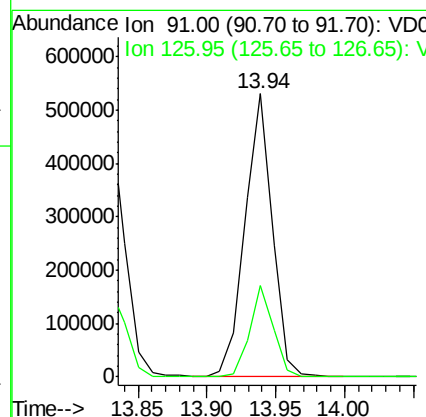
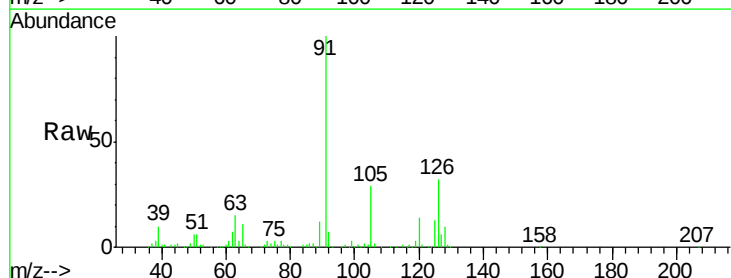
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

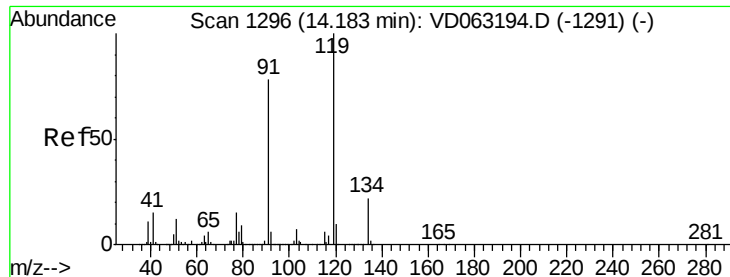
Tot Ion: 75 Resp: 38149
Ion Ratio Lower Upper
75 100
53 134.4 94.9 142.3
89 54.0 37.4 56.0



#82
4-Chlorotoluene
Concen: 21.370 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion: 91 Resp: 733674
Ion Ratio Lower Upper
91 100
126 32.5 17.1 51.2

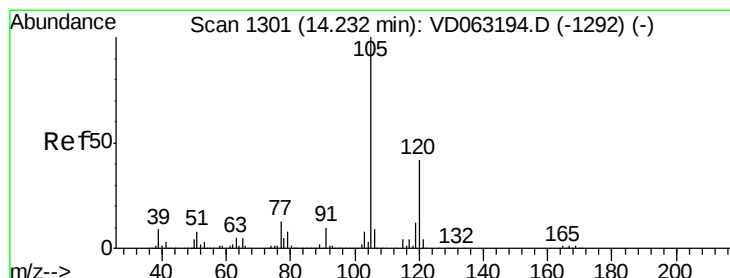
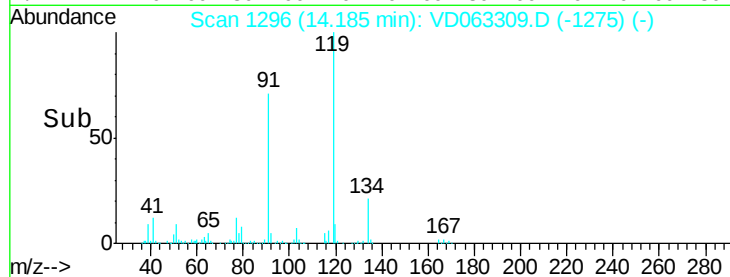
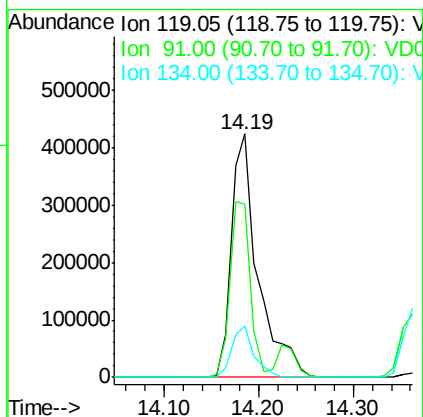
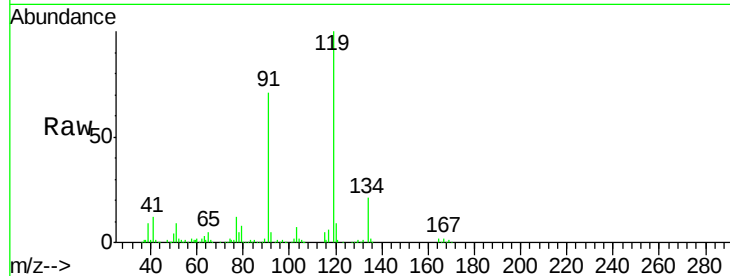




#83
 tert-Butylbenzene
 Concen: 19.771 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

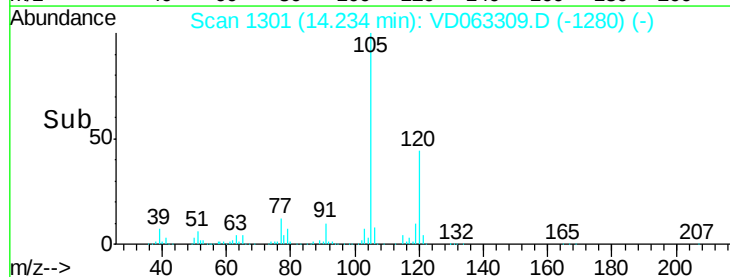
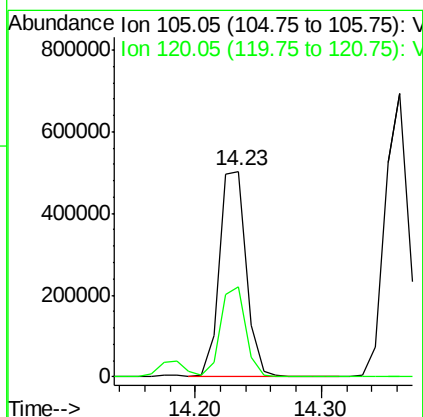
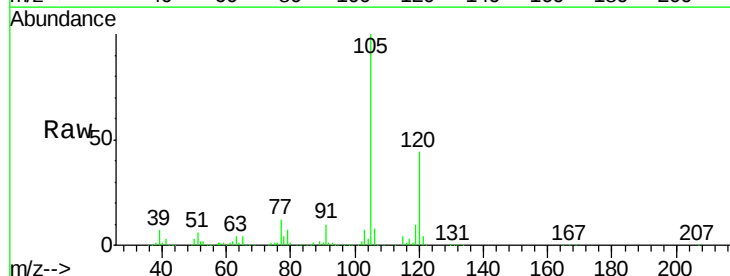
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

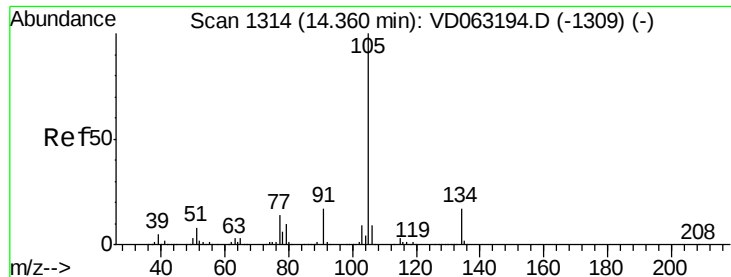
Tot Ion:119 Resp: 823739
 Ion Ratio Lower Upper
 119 100
 91 71.4 39.1 117.5
 134 21.2 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.537 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion:105 Resp: 737382
 Ion Ratio Lower Upper
 105 100
 120 43.5 20.9 62.7





#85

sec-Butylbenzene

Concen: 21.051 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

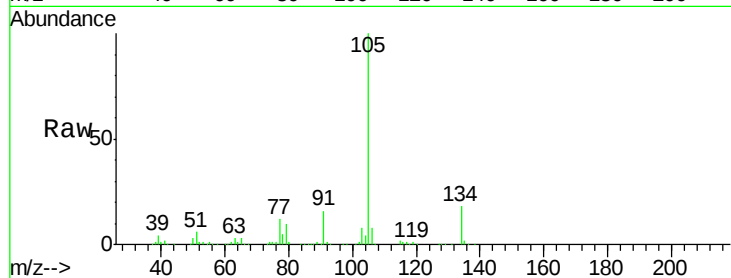
VD0802SBS01

Tot Ion:105 Resp: 924073

Ion Ratio Lower Upper

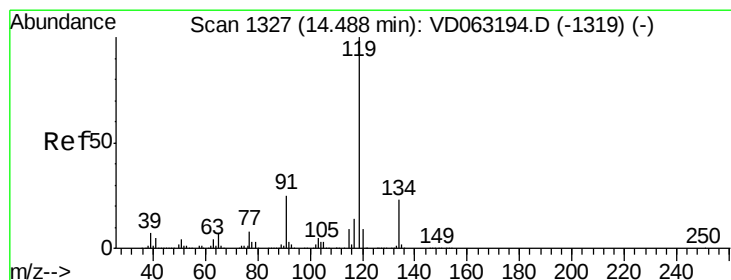
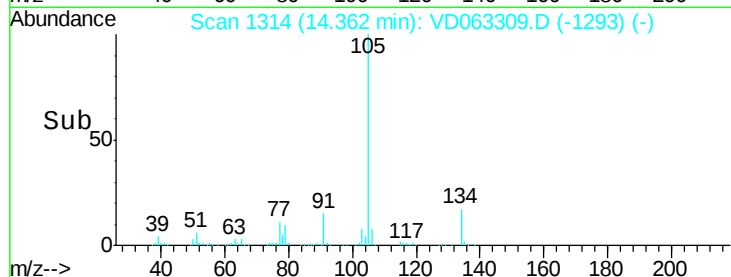
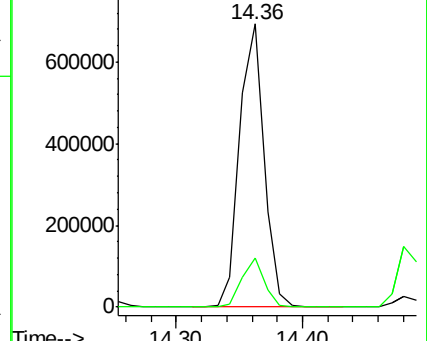
105 100

134 17.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.873 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

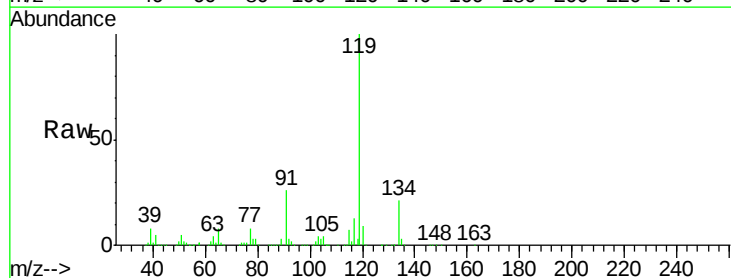
Tgt Ion:119 Resp: 874513

Ion Ratio Lower Upper

119 100

134 21.5 11.5 34.5

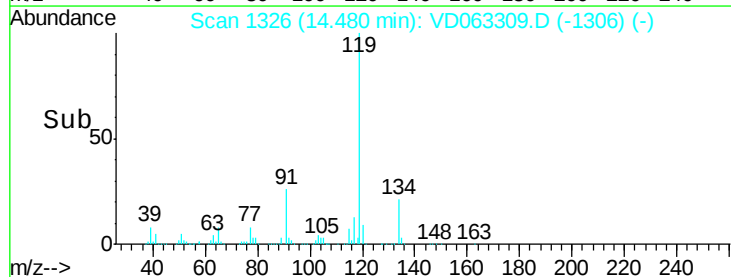
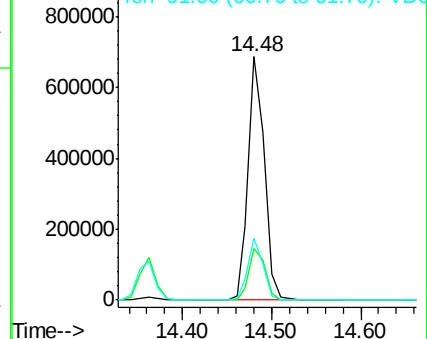
91 25.6 12.6 37.6

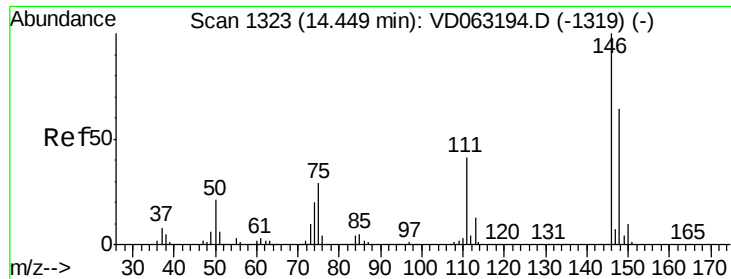


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

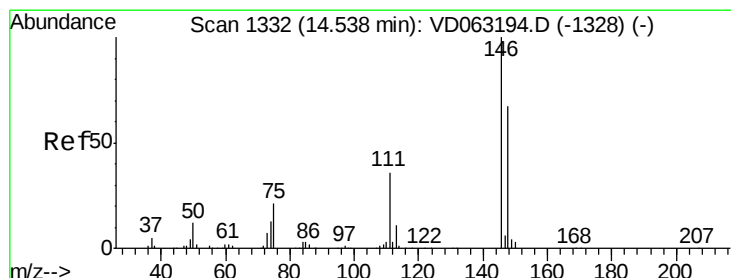
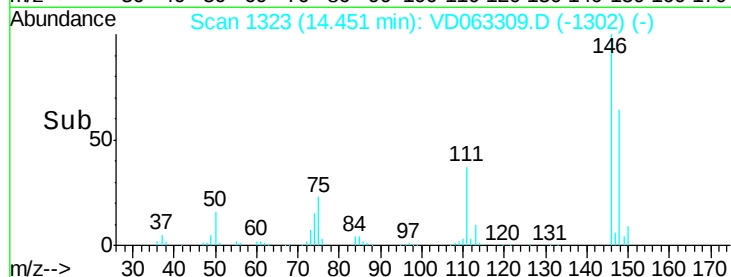
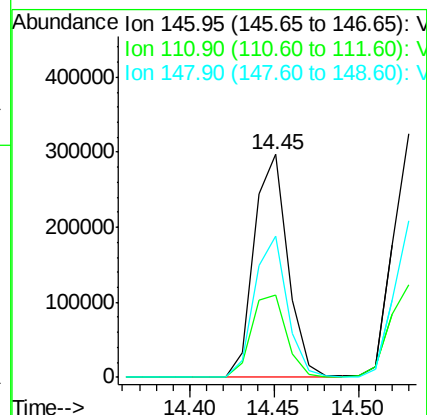
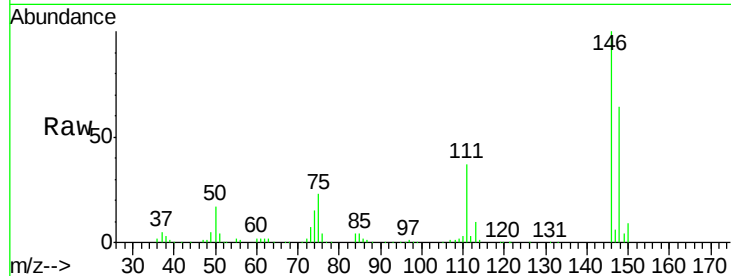




#87
 1,3-Dichlorobenzene
 Concen: 19.351 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

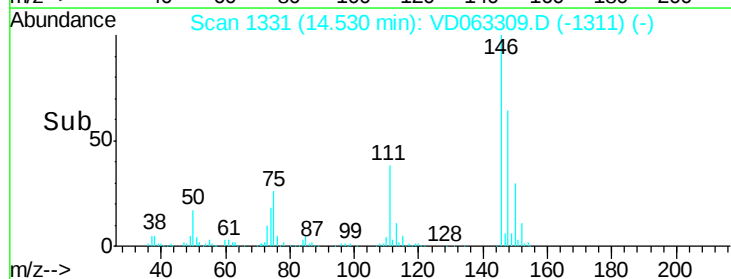
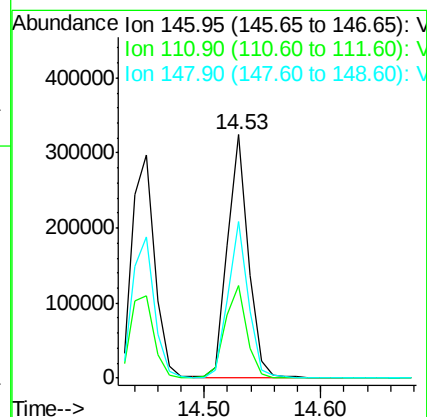
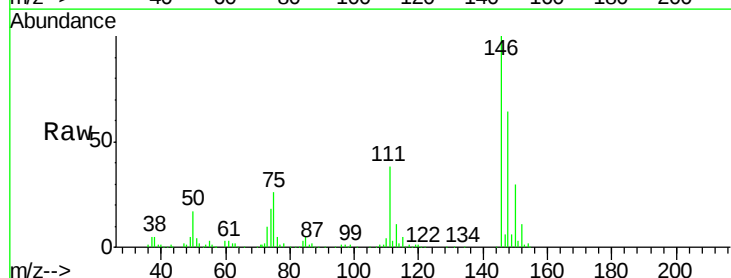
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

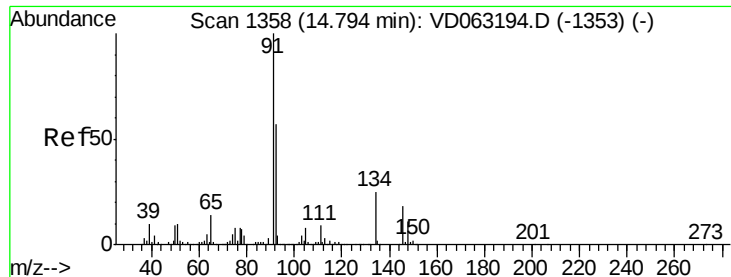
Tot Ion:146 Resp: 412993
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.4 61.3
 148 63.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.748 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion:146 Resp: 404630
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.3
 148 64.2 33.4 100.1





#89

n-Butylbenzene

Concen: 20.604 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

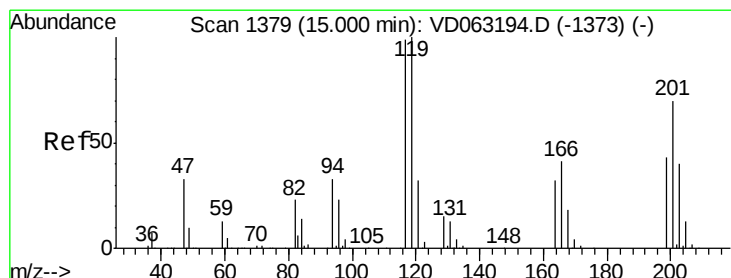
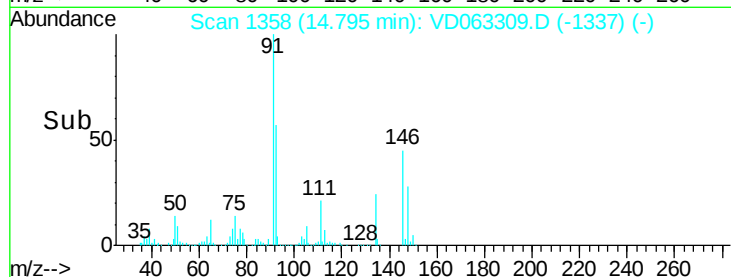
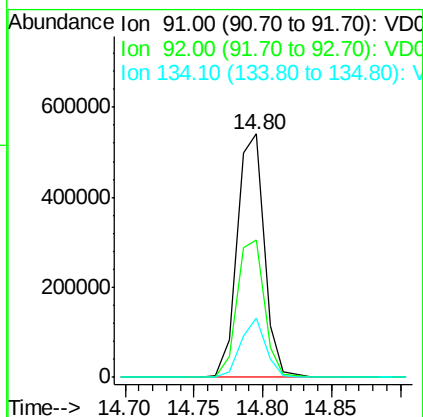
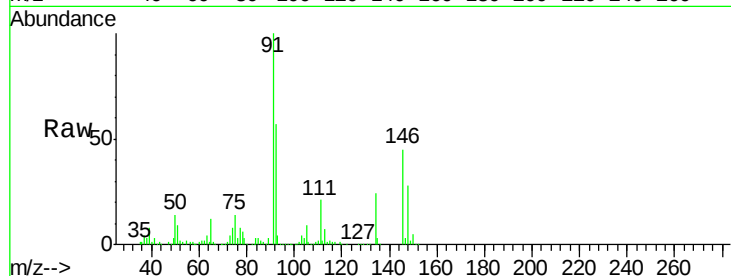
Tot Ion: 91 Resp: 745566

Ion Ratio Lower Upper

91 100

92 56.6 28.3 85.0

134 24.3 12.3 36.8



#90

Hexachloroethane

Concen: 19.939 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063309.D

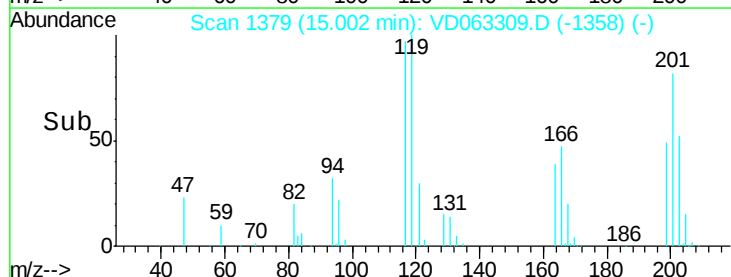
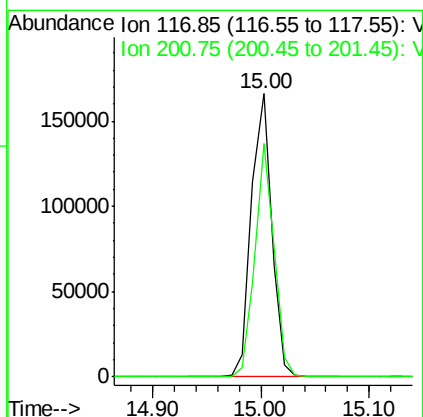
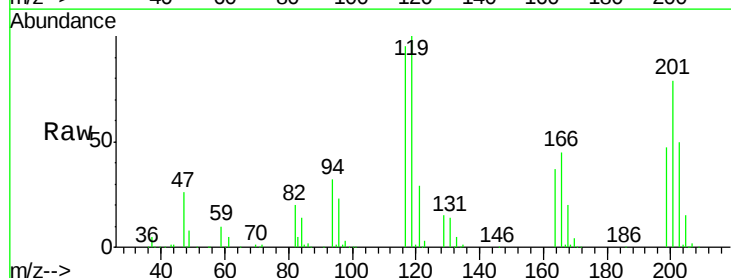
Acq: 2 Aug 2019 11:50

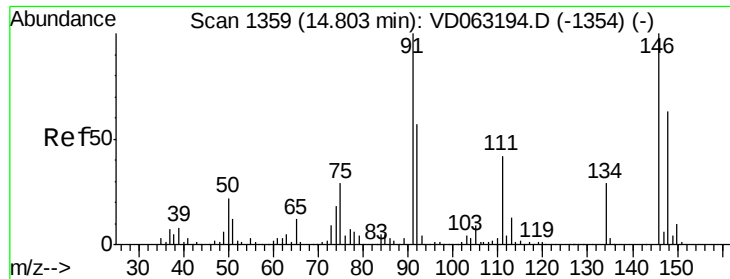
Tgt Ion: 117 Resp: 217640

Ion Ratio Lower Upper

117 100

201 82.3 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 19.923 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS01

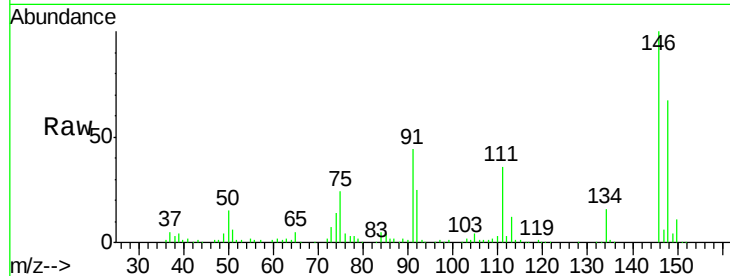
Tot Ion:146 Resp: 370473

Ion Ratio Lower Upper

146 100

111 35.7 21.1 63.3

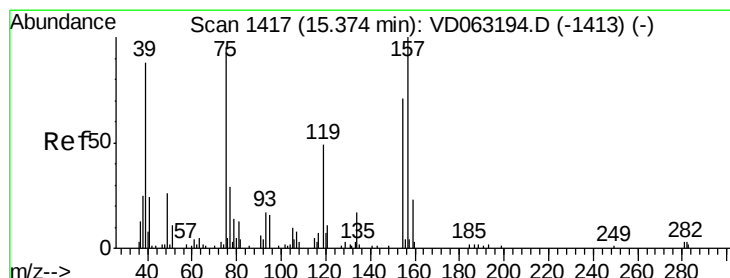
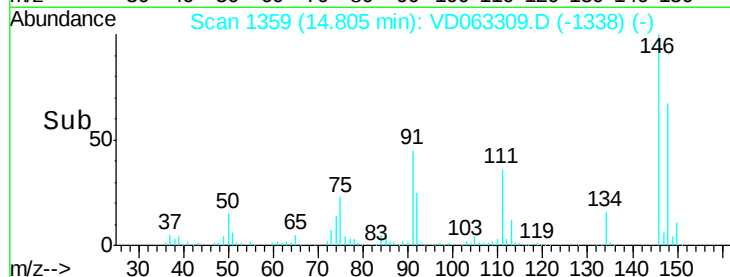
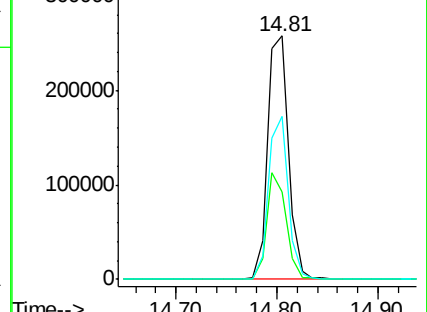
148 66.8 31.6 94.8



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: 16.591 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063309.D

Acq: 2 Aug 2019 11:50

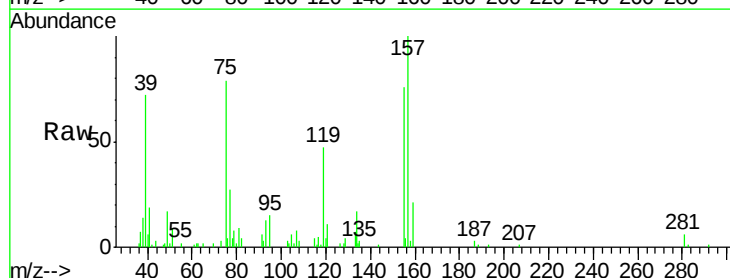
Tgt Ion: 75 Resp: 24286

Ion Ratio Lower Upper

75 100

155 95.5 37.0 111.0

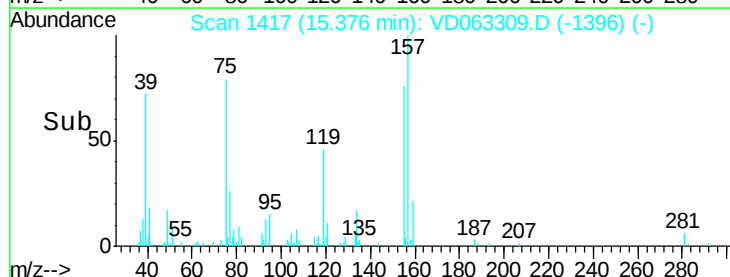
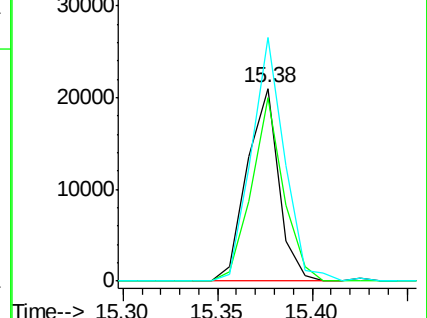
157 126.3 52.4 157.2

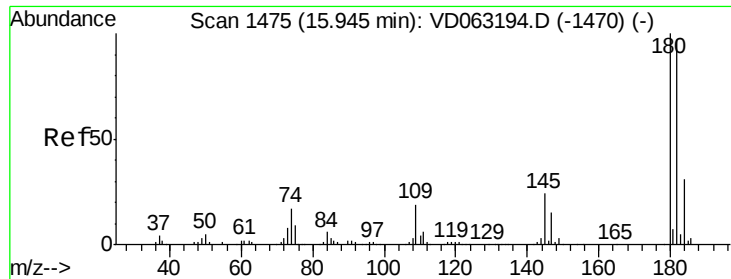


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

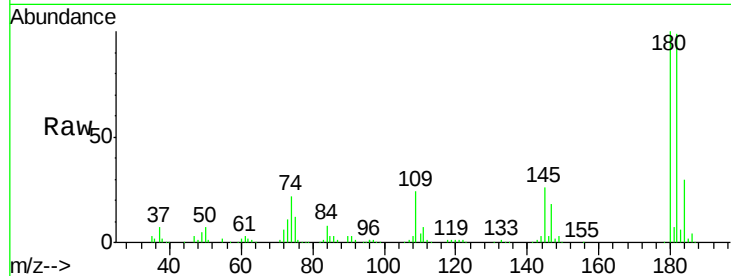




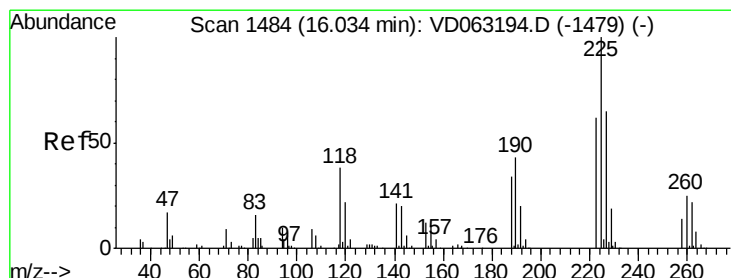
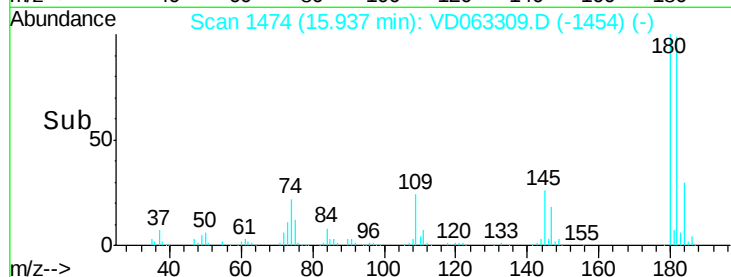
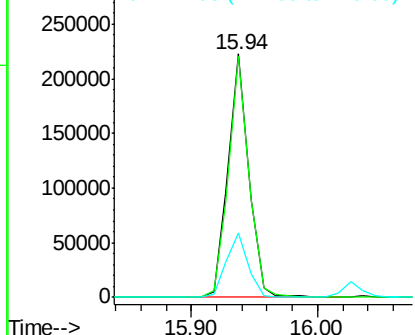
#93
 1,2,4-Trichlorobenzene
 Concen: 17.198 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBS01

Tot Ion:180 Resp: 253706
 Ion Ratio Lower Upper
 180 100
 182 98.9 48.6 145.8
 145 26.4 12.2 36.6

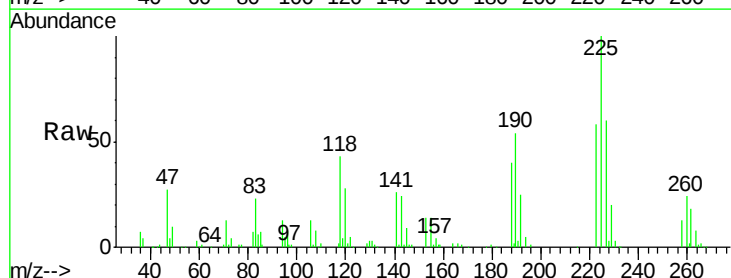


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

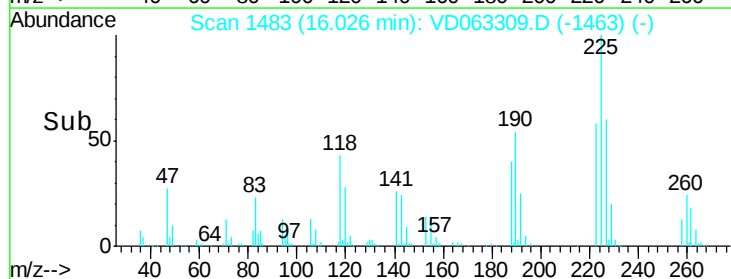
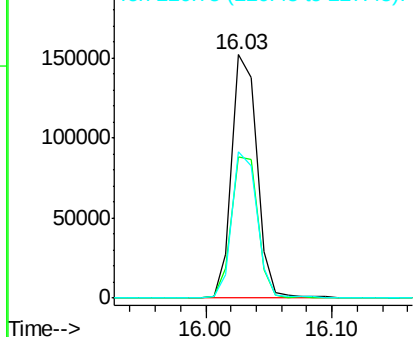


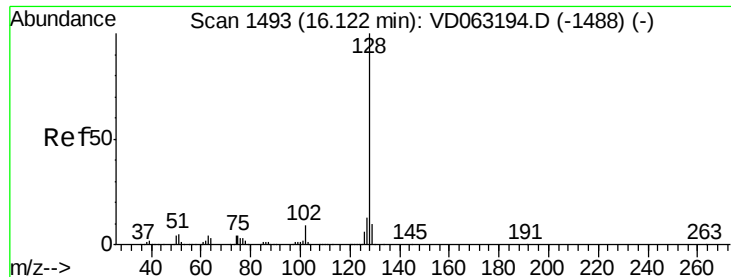
#94
 Hexachlorobutadiene
 Concen: 19.661 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063309.D
 Acq: 2 Aug 2019 11:50

Tgt Ion:225 Resp: 210182
 Ion Ratio Lower Upper
 225 100
 223 58.0 30.9 92.5
 227 59.9 32.6 97.7



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

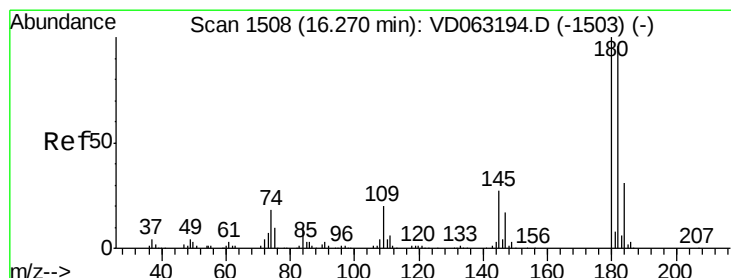
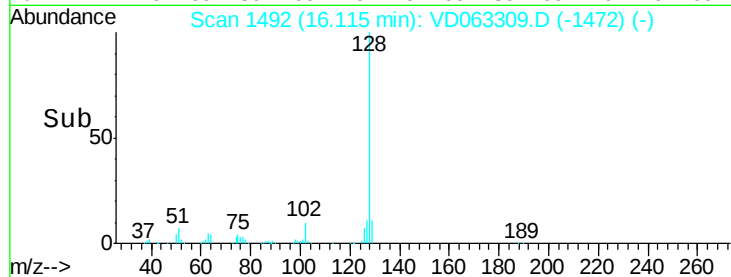
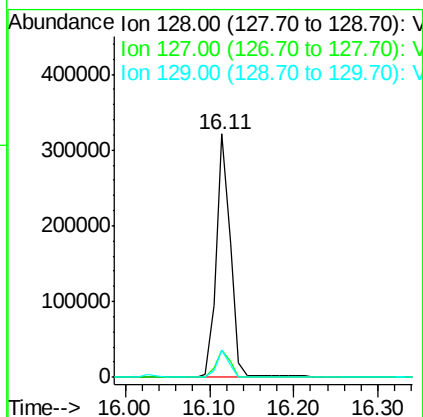
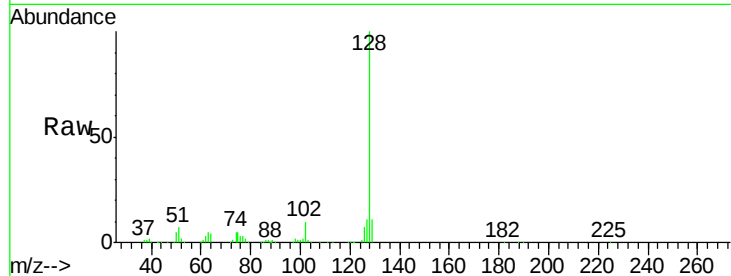




#95
Naphthalene
Concen: 17.943 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBS01

Tot Ion:128 Resp: 374116
Ion Ratio Lower Upper
128 100
127 11.2 10.2 15.4
129 11.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 18.879 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063309.D
Acq: 2 Aug 2019 11:50

Tgt Ion:180 Resp: 220014
Ion Ratio Lower Upper
180 100
182 101.6 48.3 144.9
145 31.1 13.6 40.7

