

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063334.D
 Acq On : 3 Aug 2019 1:01
 Operator : VA/AP
 Sample : VD0802SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

Quant Time: Aug 03 01:25:27 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	7.04	168	975586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1340015	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1146040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	609772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	520977	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
35) Dibromofluoromethane	6.91	113	565027	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.41	98	1242193	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	13.55	95	570716	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	226617	19.003	ug/l	99
3) Chloromethane	1.74	50	186101	20.086	ug/l	97
4) Vinyl Chloride	1.84	62	181642	18.938	ug/l	95
5) Bromomethane	2.15	94	83980	17.360	ug/l	97
6) Chloroethane	2.25	64	80197	18.110	ug/l	98
7) Trichlorofluoromethane	2.52	101	353079	18.975	ug/l	99
8) Diethyl Ether	2.87	74	53291	20.463	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.13	101	222524	21.589	ug/l	94
10) Methyl Iodide	3.29	142	285843	19.197	ug/l	94
11) Tert butyl alcohol	4.08	59	47207	99.371	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	149040	19.696	ug/l	88
13) Acrolein	3.02	56	35789	78.279	ug/l #	72
14) Allyl chloride	3.60	41	250540	20.784	ug/l	95
15) Acrylonitrile	4.18	53	139226	113.043	ug/l	97
16) Acetone	3.22	43	202760	96.134	ug/l	98
17) Carbon Disulfide	3.36	76	454701	17.953	ug/l	98
18) Methyl Acetate	3.63	43	104912	25.896	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	370433	21.672	ug/l	100
20) Methylene Chloride	3.81	84	191070	22.412	ug/l	91
21) trans-1,2-Dichloroethene	4.20	96	178740	21.052	ug/l	84
22) Diisopropyl ether	5.11	45	513098	21.305	ug/l	98
23) Vinyl Acetate	5.04	43	1541960	104.156	ug/l	100
24) 1,1-Dichloroethane	4.97	63	324250	21.078	ug/l	99
25) 2-Butanone	6.06	43	227749	107.596	ug/l #	90
26) 2,2-Dichloropropane	6.02	77	289091	18.235	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	197386	21.684	ug/l	90
28) Bromochloromethane	6.43	49	128833	21.019	ug/l	90
29) Tetrahydrofuran	6.46	42	115247	115.000	ug/l	98
30) Chloroform	6.66	83	392473	20.558	ug/l	94
31) Cyclohexane	6.94	56	174842	18.132	ug/l #	84
32) 1,1,1-Trichloroethane	6.86	97	372083	20.149	ug/l	91
36) 1,1-Dichloropropene	7.14	75	252261	20.628	ug/l	97
37) Ethyl Acetate	6.17	43	128379	23.366	ug/l #	88
38) Carbon Tetrachloride	7.10	117	352340	19.138	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	204285	20.049	ug/l	98
40) Benzene	7.44	78	557298	21.744	ug/l	99
41) Methacrylonitrile	6.45	41	159534	24.274	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	290001	21.349	ug/l	93
43) Isopropyl Acetate	9.23	43	149544	21.308	ug/l #	99
44) Trichloroethene	8.53	130	203746	19.618	ug/l	93
45) 1,2-Dichloropropane	8.93	63	128045	19.655	ug/l	99
46) Dibromomethane	9.06	93	118966	21.963	ug/l	87
47) Bromodichloromethane	9.36	83	302411	21.901	ug/l	91
48) Methyl methacrylate	9.12	41	102520	22.523	ug/l #	83
49) 1,4-Dioxane	9.07	88	17011	438.866	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	522171	109.402	ug/l	95
52) Toluene	10.50	92	367965	21.586	ug/l	87
53) t-1,3-Dichloropropene	10.91	75	255095	21.429	ug/l	92
54) cis-1,3-Dichloropropene	10.03	75	263094	21.029	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	122479	21.274	ug/l	96
56) Ethyl methacrylate	11.04	69	137094	21.746	ug/l	96
57) 1,3-Dichloropropane	11.40	76	190434	20.993	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.85	63	367791	112.117	ug/l	96
59) 2-Hexanone	11.53	43	368916	107.256	ug/l	99
60) Dibromochloromethane	11.68	129	242265	22.290	ug/l	92
61) 1,2-Dibromoethane	11.80	107	166365	23.418	ug/l	97
64) Tetrachloroethene	11.25	164	187612	20.549	ug/l	95
65) Chlorobenzene	12.39	112	425262	19.292	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	212156	21.849	ug/l	93
67) Ethyl Benzene	12.51	91	746503	19.935	ug/l	99
68) m/p-Xylenes	12.66	106	563238	41.014	ug/l	93
69) o-Xylene	13.04	106	271129	21.499	ug/l	94
70) Styrene	13.06	104	485865	21.725	ug/l	99
71) Bromoform	13.23	173	155486	22.020	ug/l	94
73) Isopropylbenzene	13.40	105	777217	20.308	ug/l	97
74) N-amyl acetate	13.26	43	203825	20.146	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	143831	22.125	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	157213	21.465	ug/l	94
77) Bromobenzene	13.66	156	225150	20.652	ug/l	86
78) n-propylbenzene	13.77	91	912701	20.040	ug/l	99
79) 2-Chlorotoluene	13.83	91	587661	22.269	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	703414	21.310	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	39793	19.566	ug/l	93
82) 4-Chlorotoluene	13.94	91	672104	21.641	ug/l	93
83) tert-Butylbenzene	14.19	119	723761	19.203	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	657237	19.250	ug/l	98
85) sec-Butylbenzene	14.36	105	852731	21.474	ug/l	100
86) p-Isopropyltoluene	14.48	119	698457	18.429	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	399674	20.701	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	403839	20.685	ug/l	99
89) n-Butylbenzene	14.80	91	681751	20.827	ug/l	99
90) Hexachloroethane	15.00	117	193018	19.547	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	354616	21.081	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29465	22.251	ug/l	79

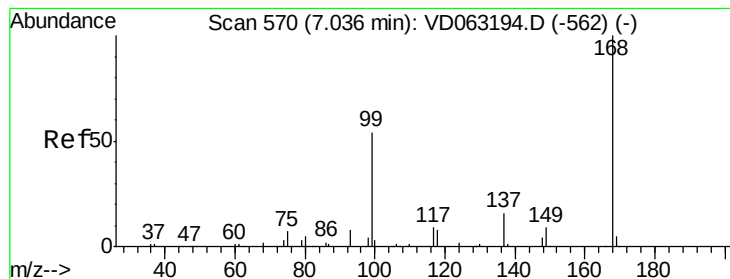
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080219\
Data File : VD063334.D
Acq On : 3 Aug 2019 1:01
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248802	18.644	µg/l	99
94) Hexachlorobutadiene	16.03	225	175243	18.121	µg/l	94
95) Naphthalene	16.12	128	381659	20.235	µg/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	199022	18.878	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

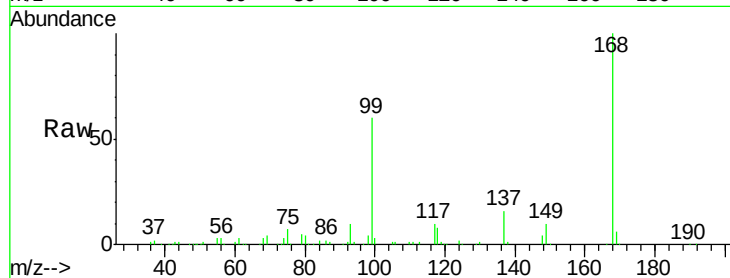
VD0802SBSD02

Tot Ion:168 Resp: 975586

Ion Ratio Lower Upper

168 100

99 59.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

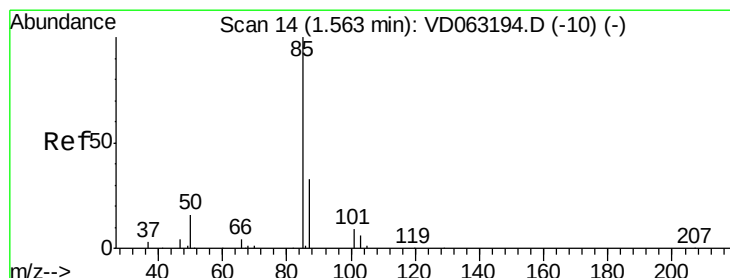
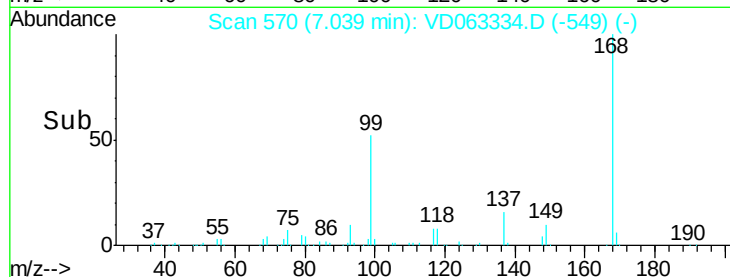
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 19.003 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063334.D

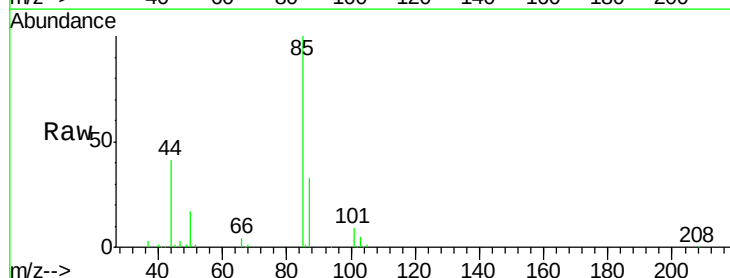
Acq: 3 Aug 2019 1:01

Tgt Ion: 85 Resp: 226617

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

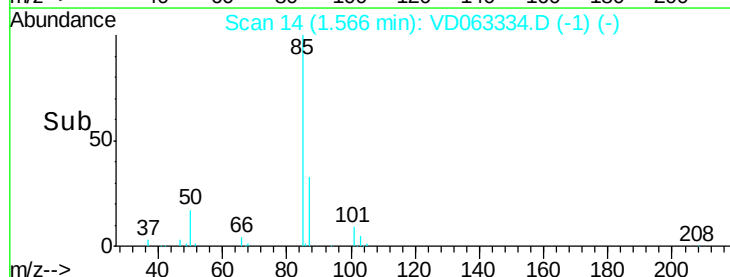
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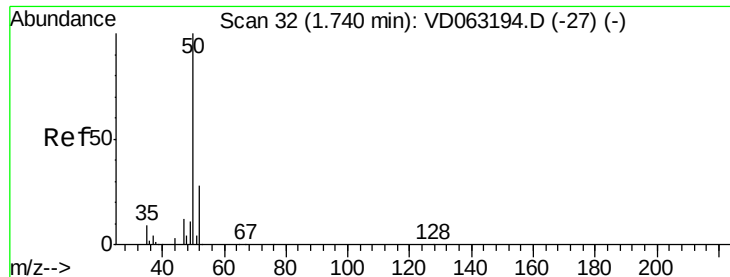
50000

0

Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 20.086 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

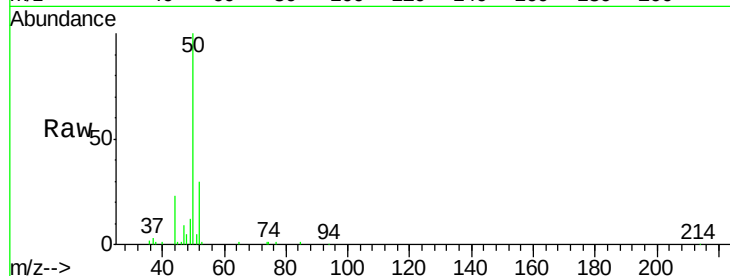
VD0802SBSD02

Tot Ion: 50 Resp: 186101

Ion Ratio Lower Upper

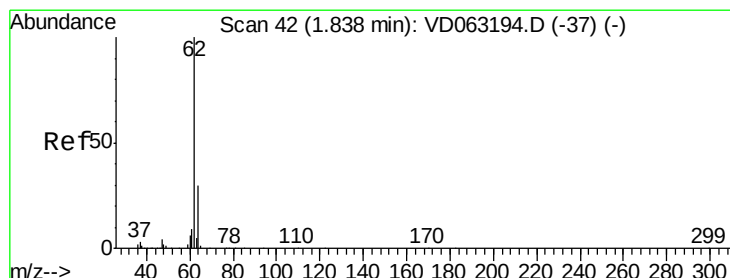
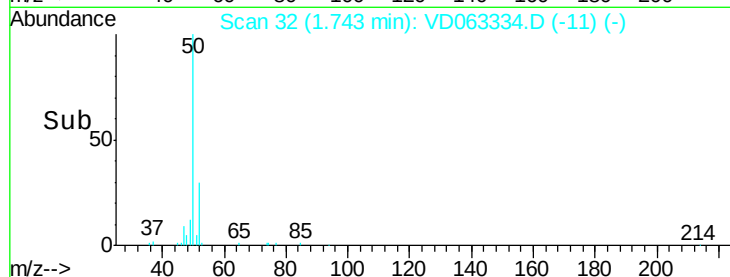
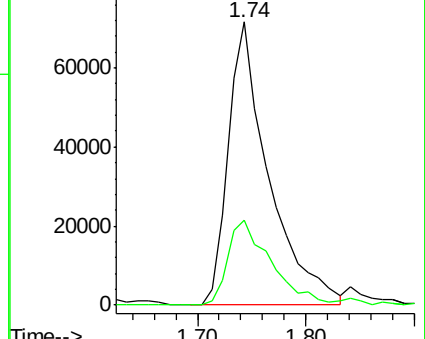
50 100

52 30.1 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.938 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063334.D

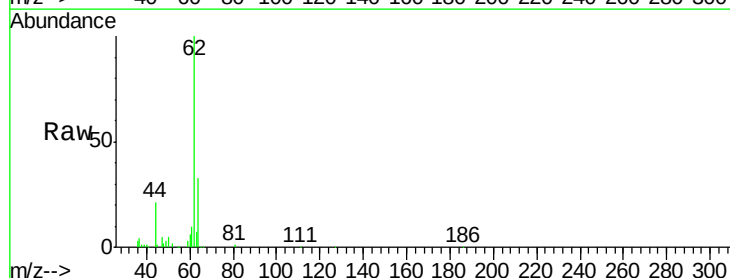
Acq: 3 Aug 2019 1:01

Tgt Ion: 62 Resp: 181642

Ion Ratio Lower Upper

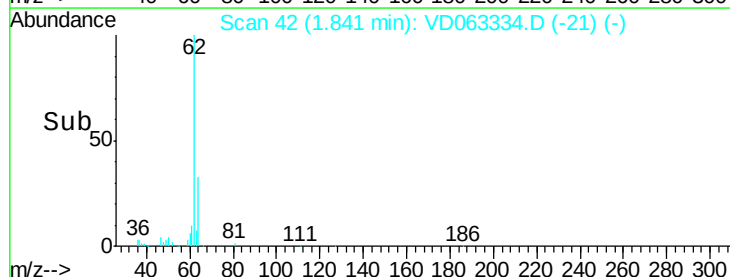
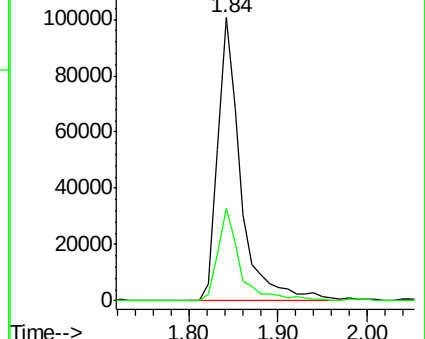
62 100

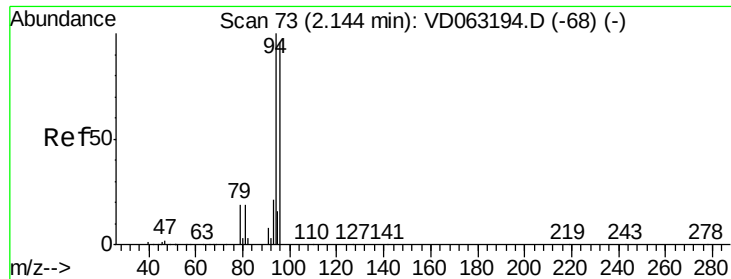
64 32.8 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.360 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

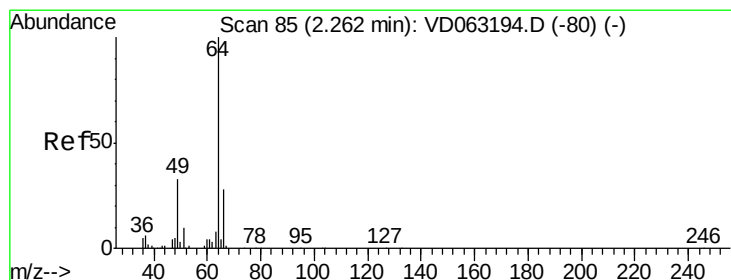
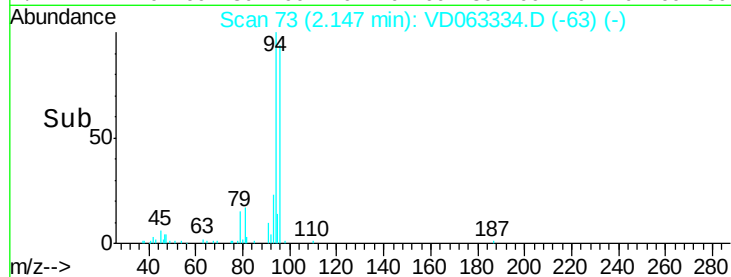
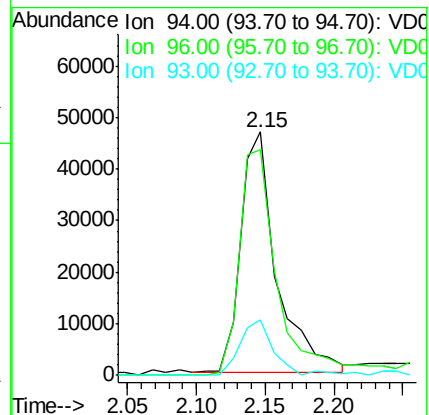
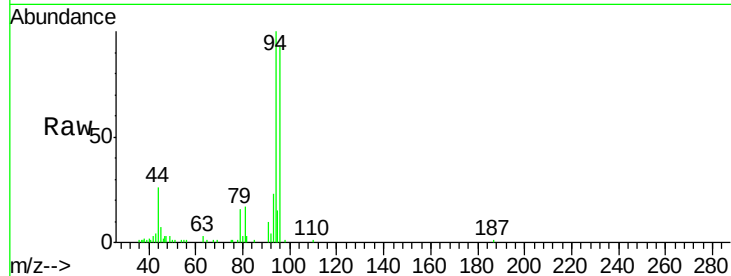
Tot Ion: 94 Resp: 83980

Ion Ratio Lower Upper

94 100

96 92.8 76.4 114.6

93 22.8 17.3 25.9



#6

Chloroethane

Concen: 18.110 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063334.D

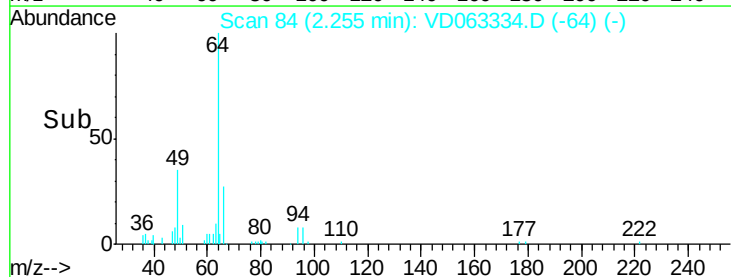
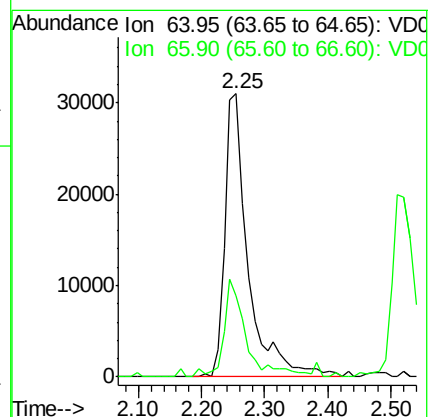
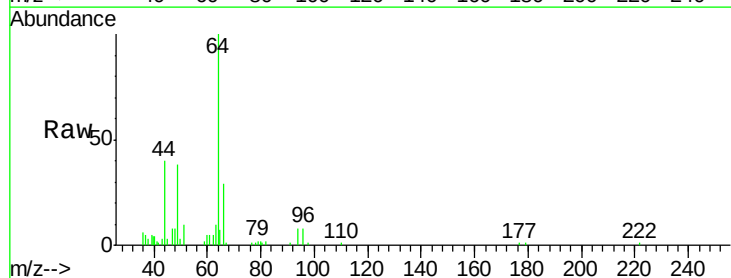
Acq: 3 Aug 2019 1:01

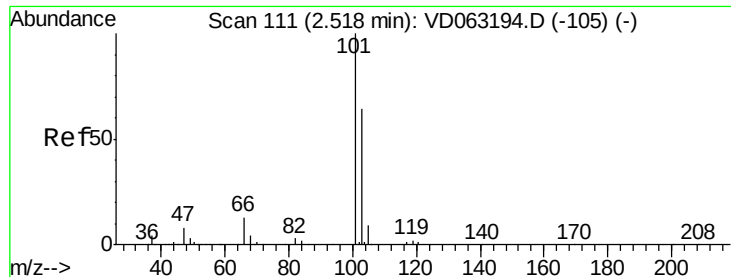
Tgt Ion: 64 Resp: 80197

Ion Ratio Lower Upper

64 100

66 28.6 22.2 33.2



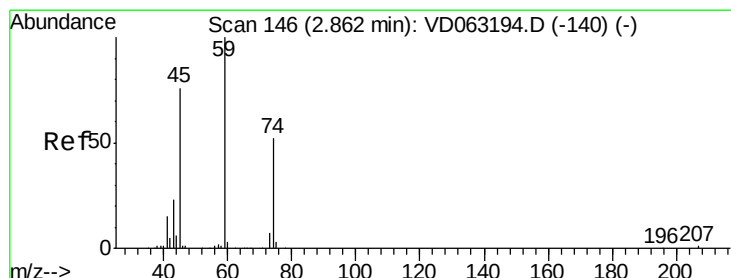
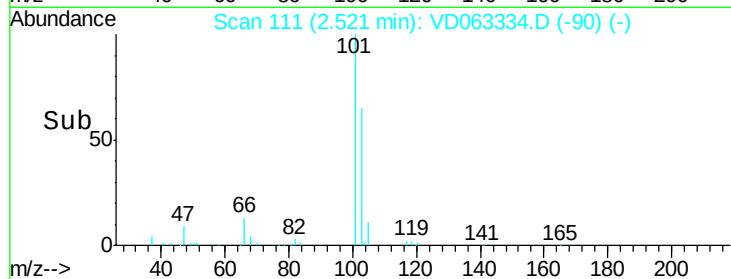
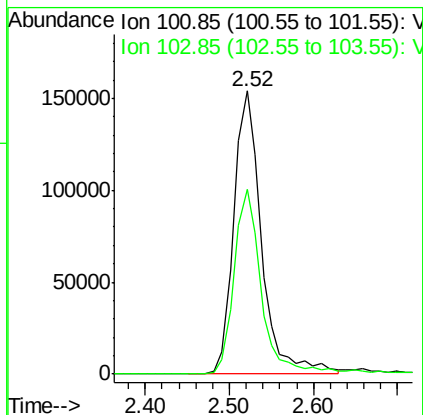
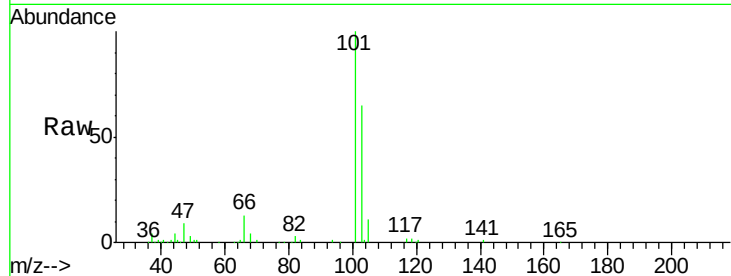


#7

Trichlorofluoromethane
Concen: 18.975 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

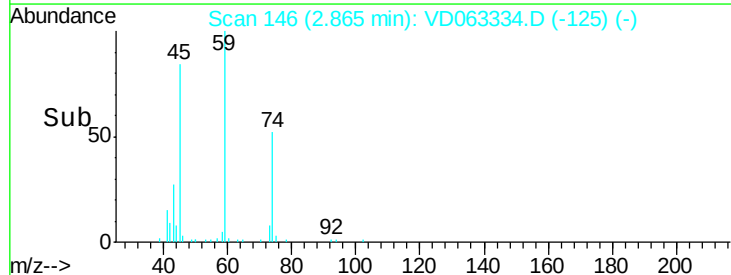
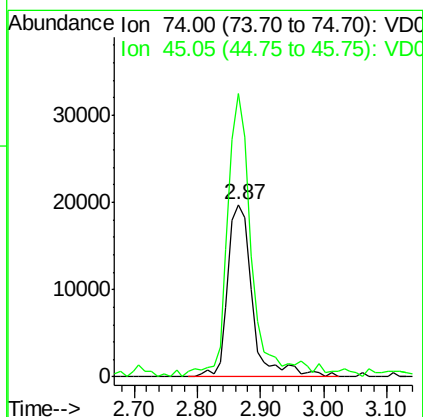
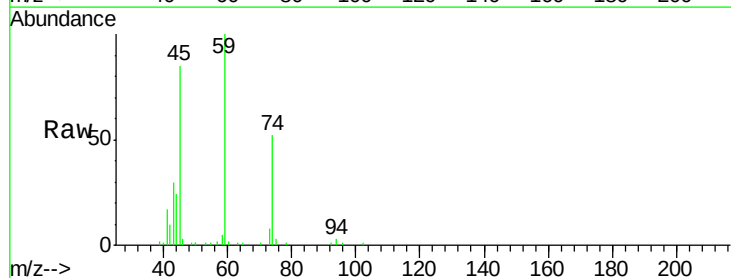
Tot Ion:101 Resp: 353079
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3

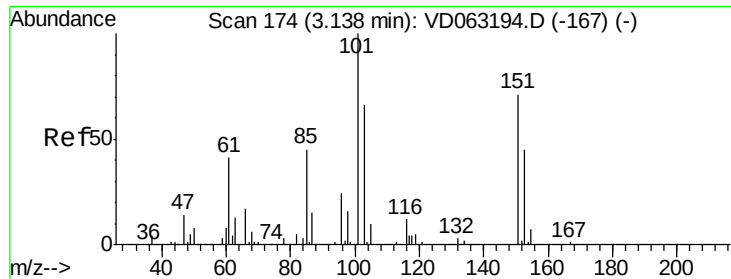


#8

Diethyl Ether
Concen: 20.463 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 74 Resp: 53291
Ion Ratio Lower Upper
74 100
45 164.0 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.589 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

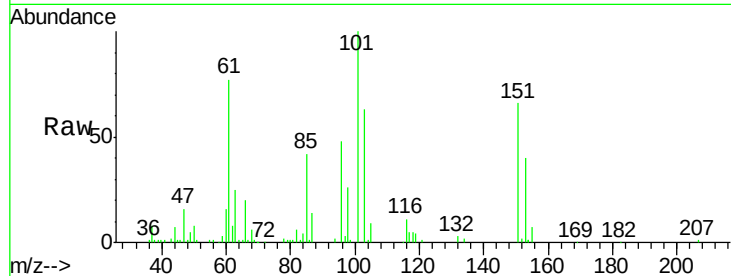
Tot Ion:101 Resp: 222524

Ion Ratio Lower Upper

101 100

85 41.7 36.1 54.1

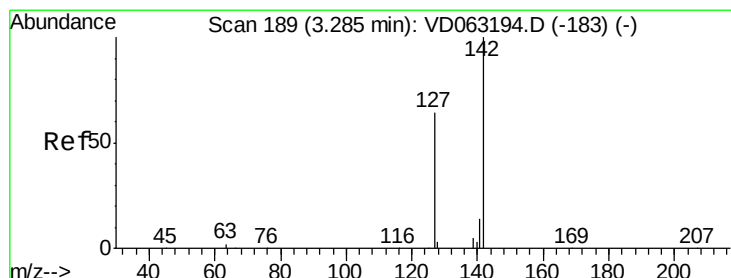
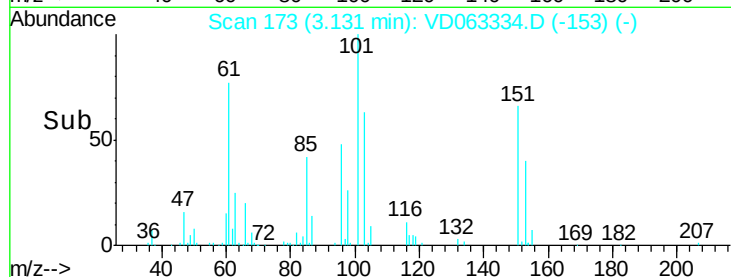
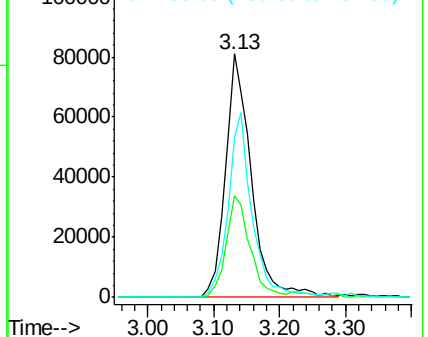
151 66.1 57.1 85.7



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: 19.197 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

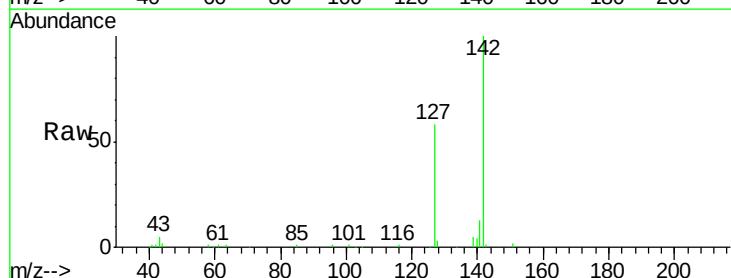
Tgt Ion:142 Resp: 285843

Ion Ratio Lower Upper

142 100

127 58.2 50.8 76.2

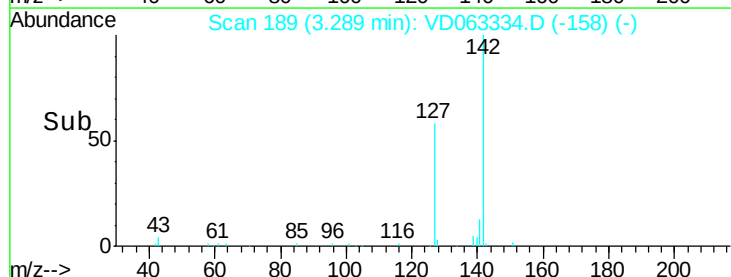
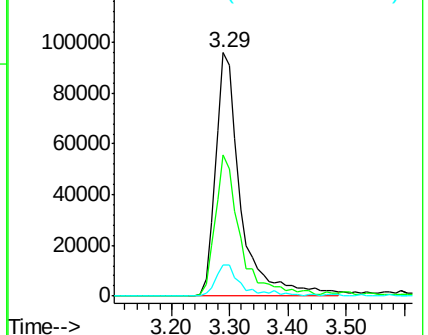
141 12.7 11.4 17.2

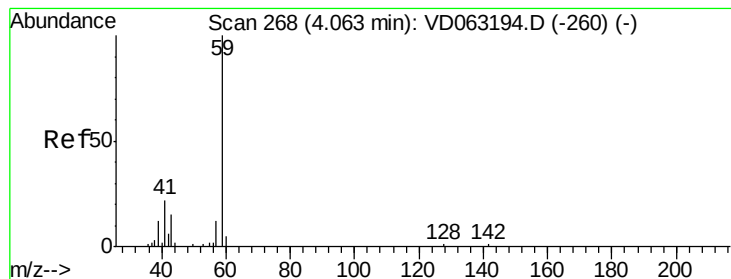


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 99.371 ug/l

RT: 4.08 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

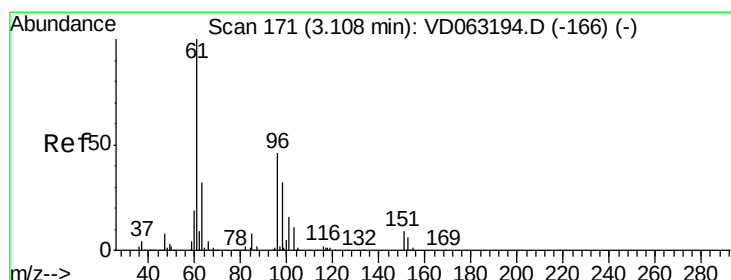
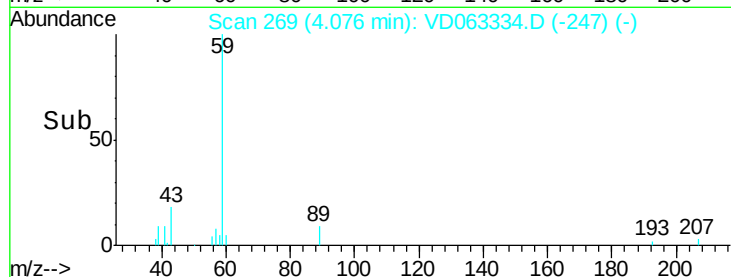
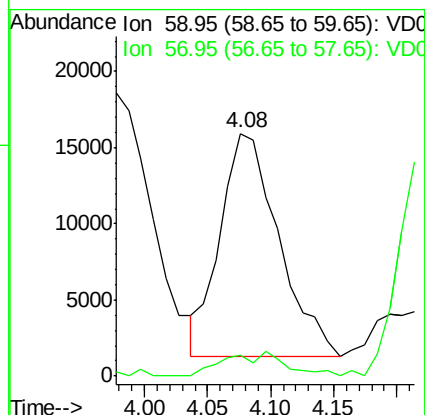
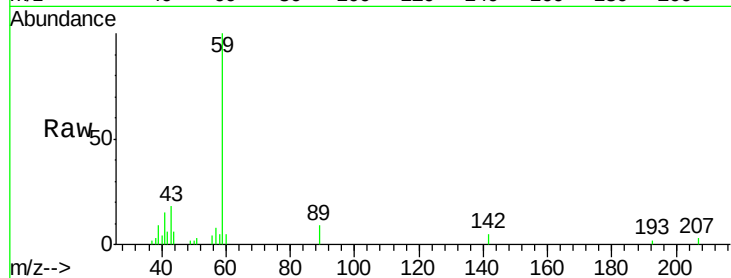
VD0802SBSD02

Tot Ion: 59 Resp: 47207

Ion Ratio Lower Upper

59 100

57 8.5 9.6 14.4#



#12

1,1-Dichloroethene

Concen: 19.696 ug/l

RT: 3.11 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

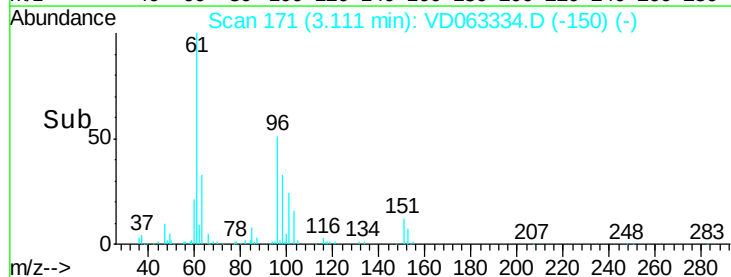
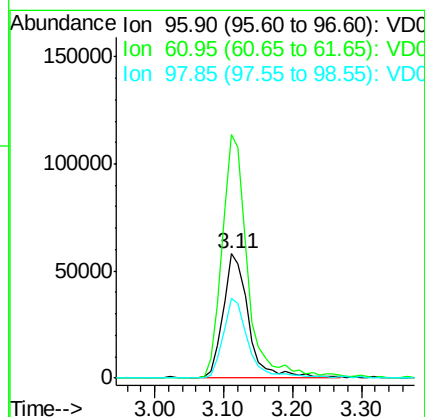
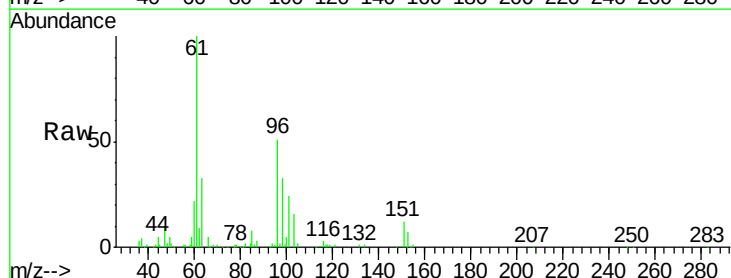
Tgt Ion: 96 Resp: 149040

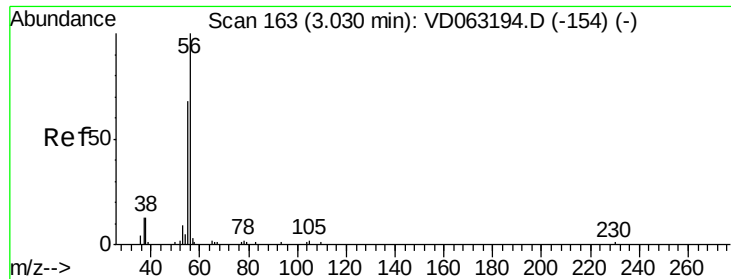
Ion Ratio Lower Upper

96 100

61 196.1 173.7 260.5

98 64.0 55.8 83.8

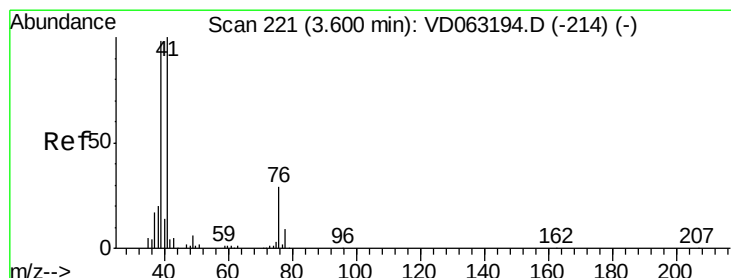
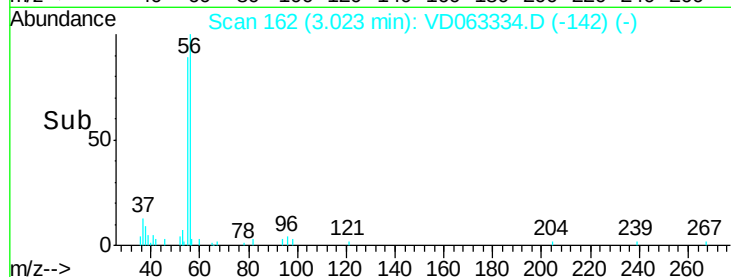
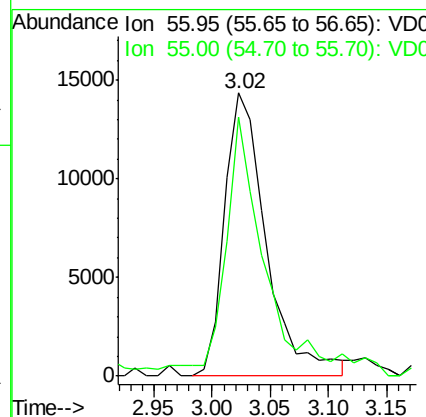
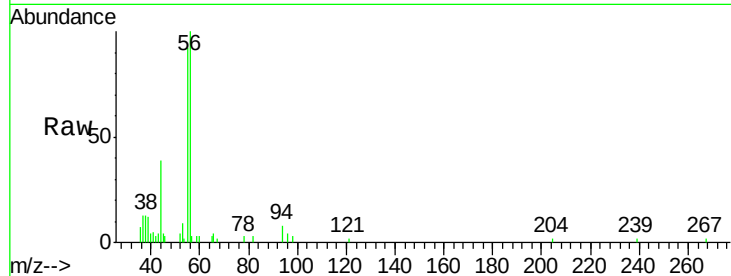




#13
Acrolein
Concen: 78.279 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

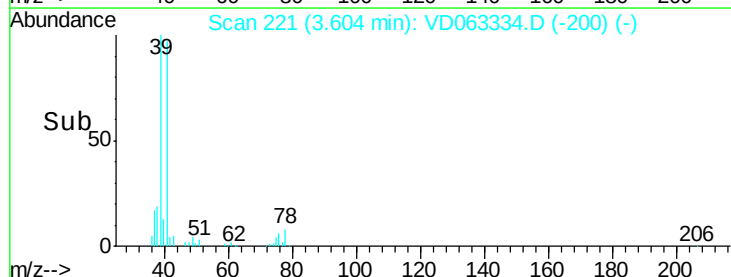
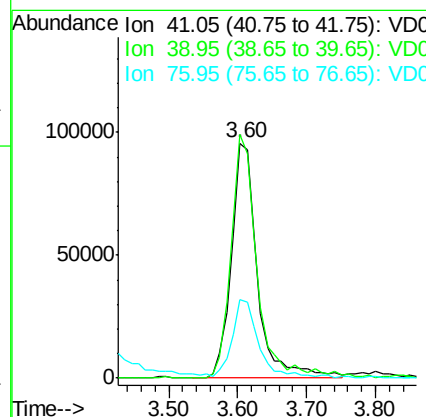
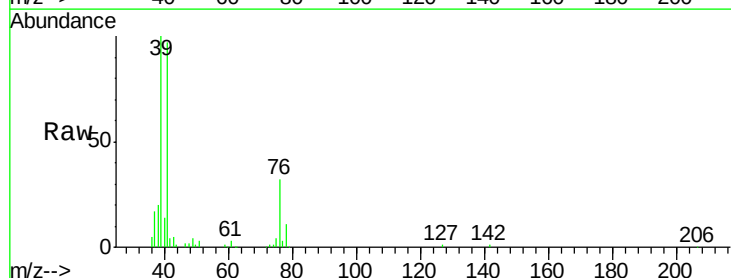
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

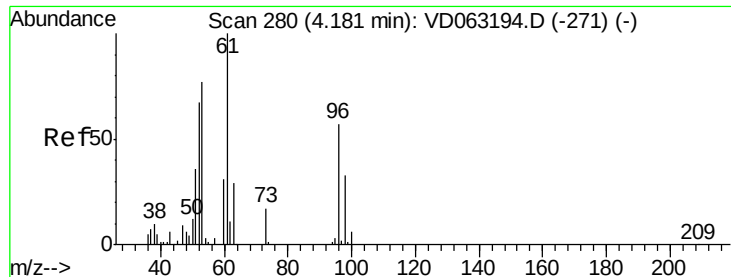
Tot Ion: 56 Resp: 35789
Ion Ratio Lower Upper
56 100
55 91.6 55.3 82.9#



#14
Allyl chloride
Concen: 20.784 ug/l
RT: 3.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 41 Resp: 250540
Ion Ratio Lower Upper
41 100
39 103.6 78.6 117.8
76 33.4 24.5 36.7





#15

Acrylonitrile

Concen: 113.043 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

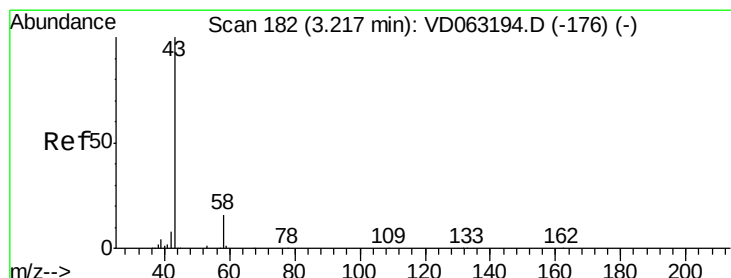
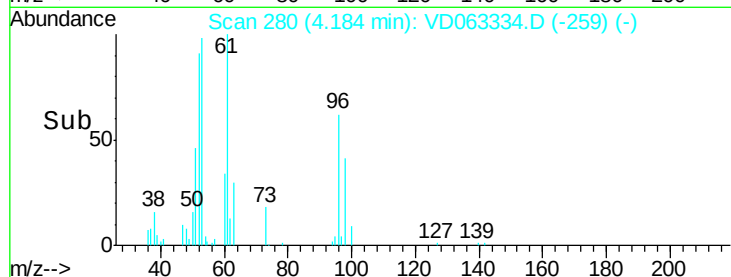
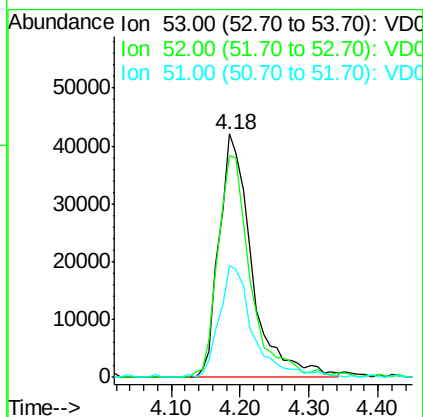
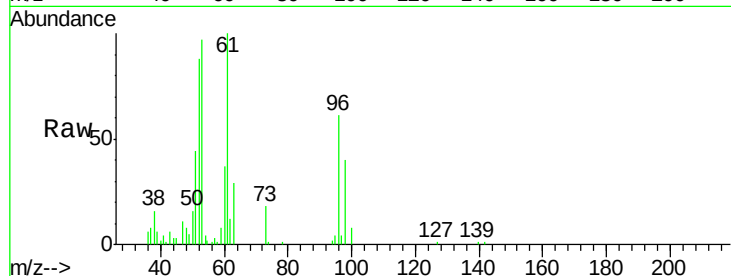
Tot Ion: 53 Resp: 139226

Ion Ratio Lower Upper

53 100

52 91.4 69.7 104.5

51 46.0 37.4 56.0



#16

Acetone

Concen: 96.134 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063334.D

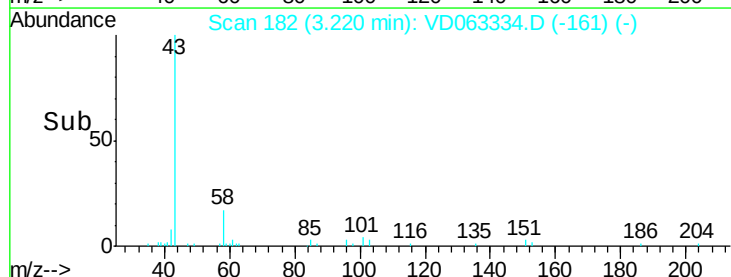
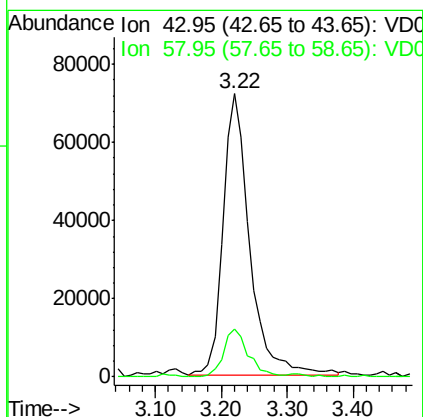
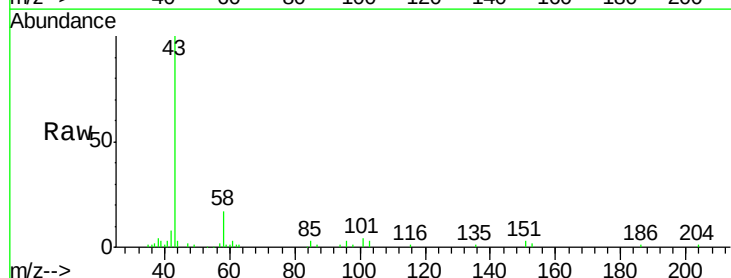
Acq: 3 Aug 2019 1:01

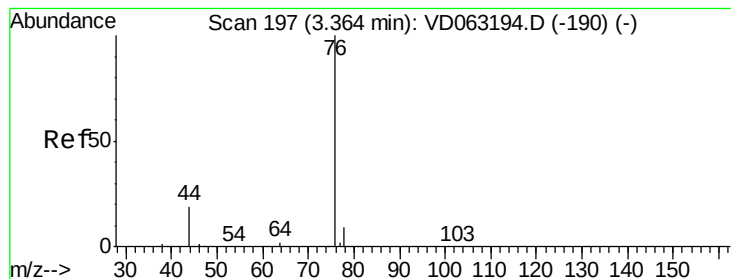
Tgt Ion: 43 Resp: 202760

Ion Ratio Lower Upper

43 100

58 16.9 13.0 19.4





#17

Carbon Disulfide

Concen: 17.953 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

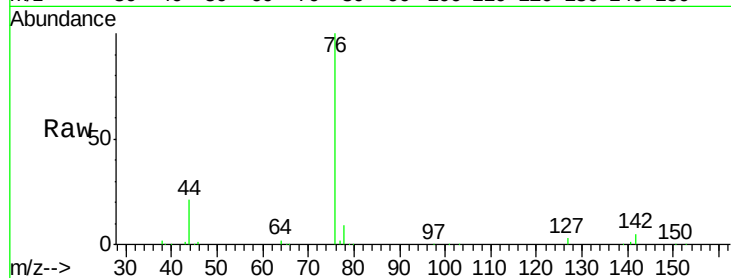
VD0802SBSD02

Tot Ion: 76 Resp: 454701

Ion Ratio Lower Upper

76 100

78 8.6 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

200000

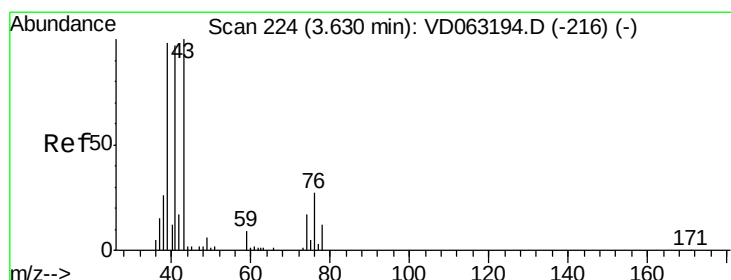
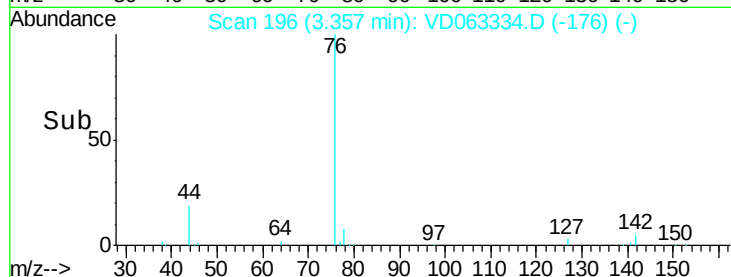
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 25.896 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063334.D

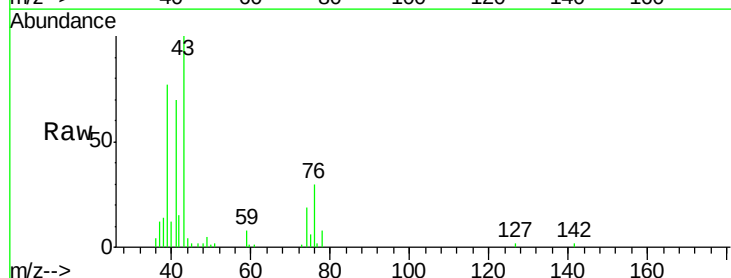
Acq: 3 Aug 2019 1:01

Tgt Ion: 43 Resp: 104912

Ion Ratio Lower Upper

43 100

74 18.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

40000

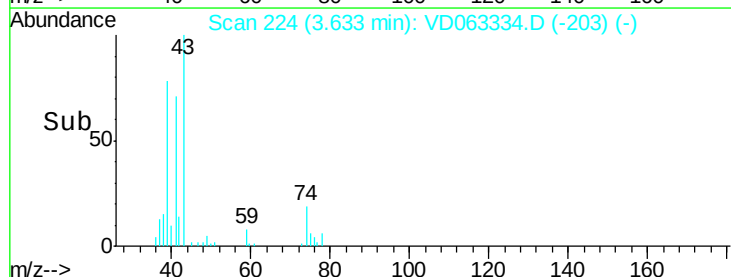
30000

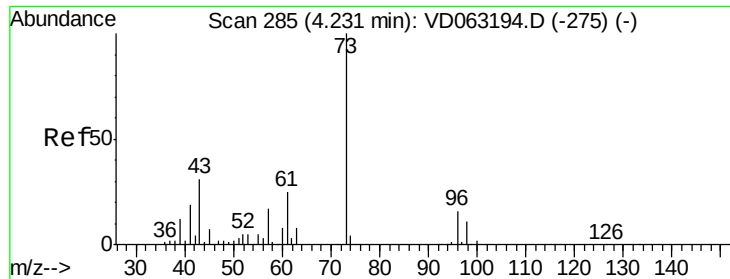
20000

10000

0

Time-->



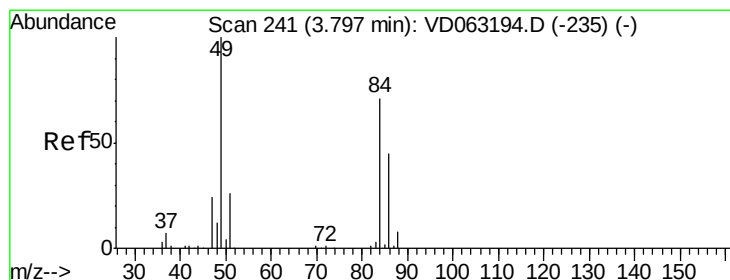
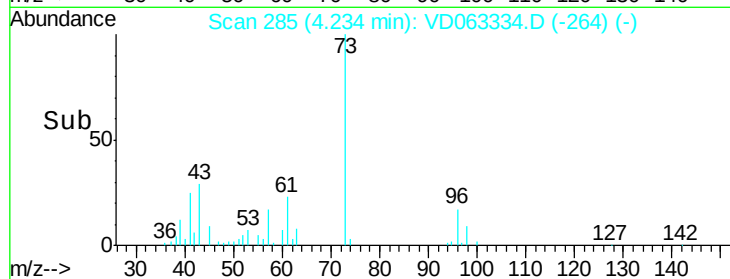
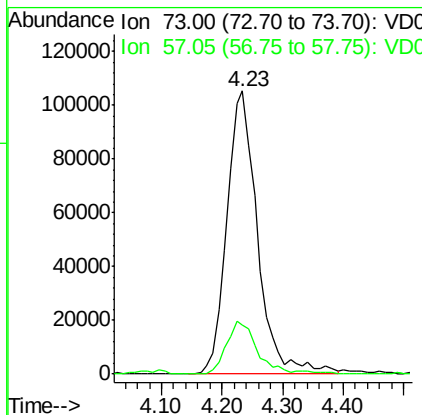
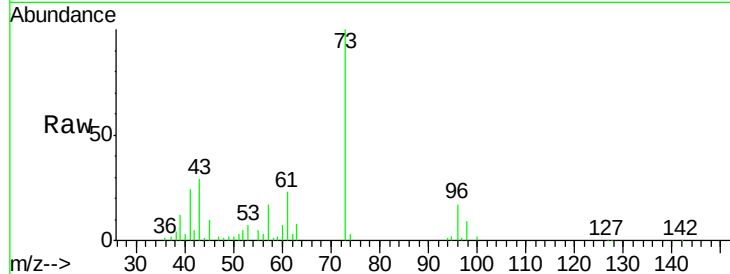


#19

Methyl tert-butyl Ether
 Concen: 21.672 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

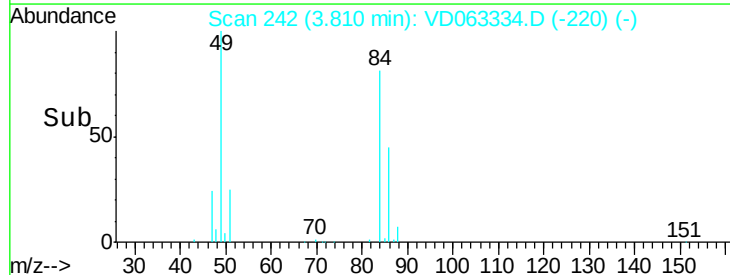
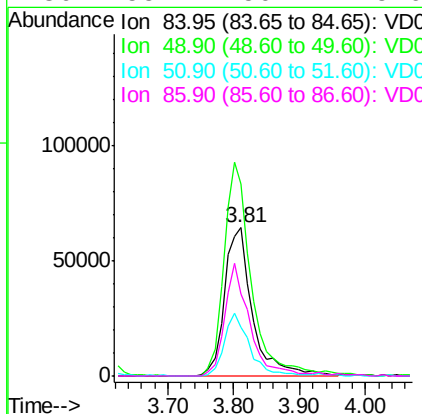
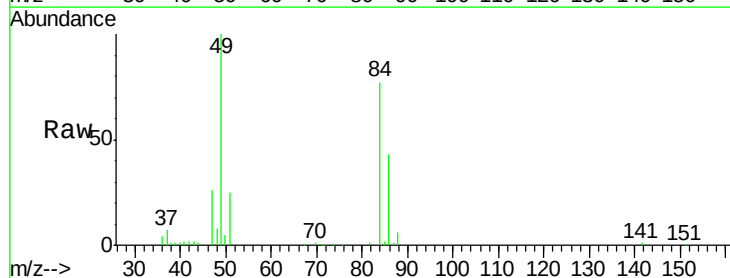
Tot Ion: 73 Resp: 370433
 Ion Ratio Lower Upper
 73 100
 57 17.2 13.8 20.6

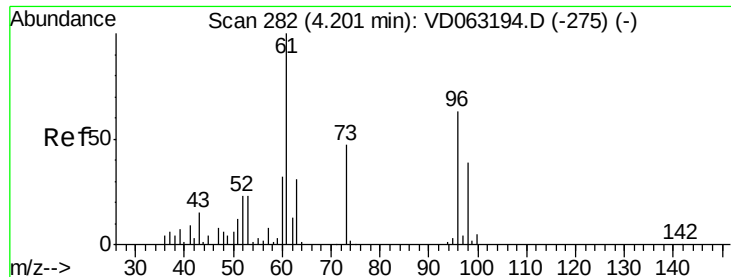


#20

Methylene Chloride
 Concen: 22.412 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion: 84 Resp: 191070
 Ion Ratio Lower Upper
 84 100
 49 129.6 112.5 168.7
 51 33.0 29.6 44.4
 86 55.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.052 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

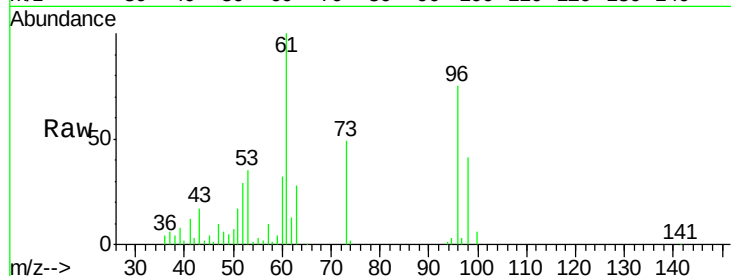
Tot Ion: 96 Resp: 178740

Ion Ratio Lower Upper

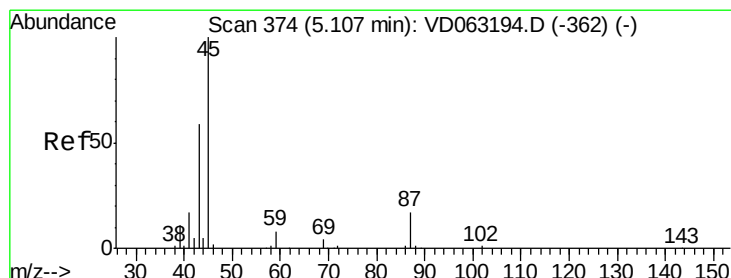
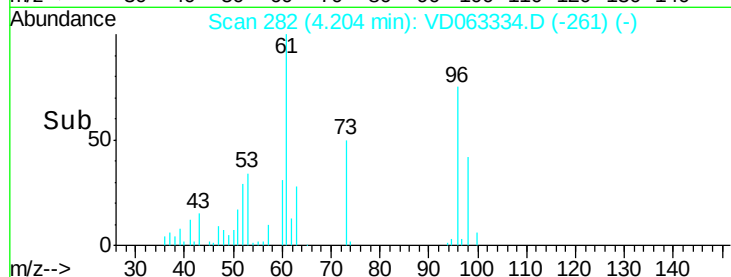
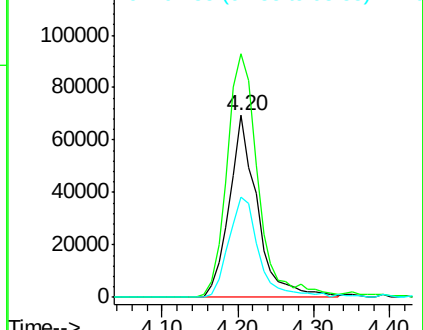
96 100

61 134.1 127.4 191.2

98 55.2 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: 21.305 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Tgt Ion: 45 Resp: 513098

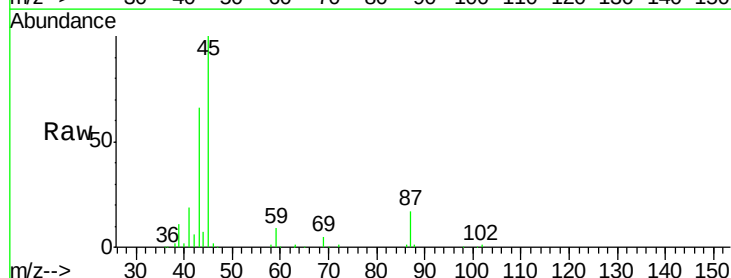
Ion Ratio Lower Upper

45 100

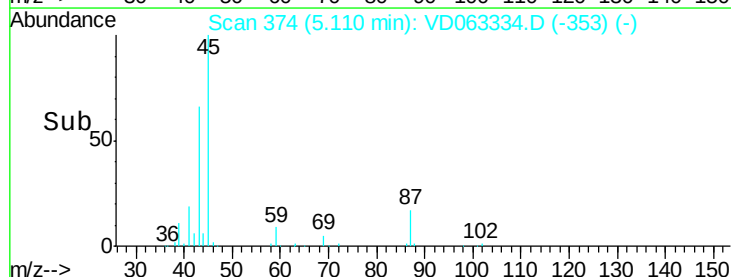
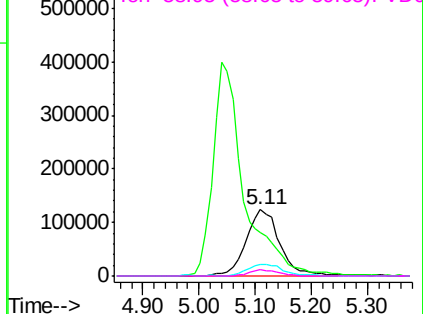
43 66.0 51.7 77.5

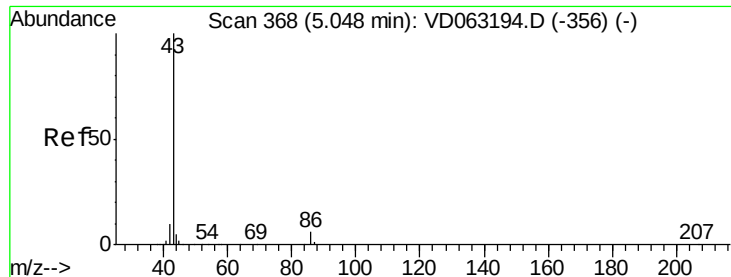
87 17.0 14.6 21.8

59 8.8 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: 104.156 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleID :

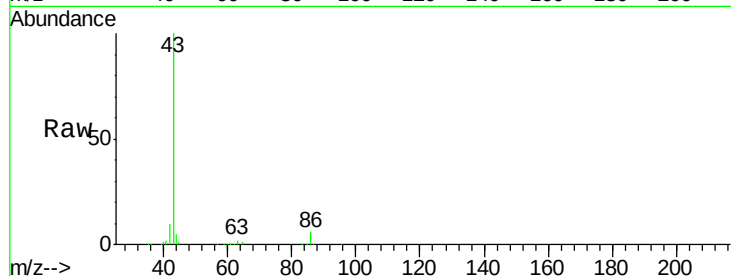
VD0802SBSD02

Tot Ion: 43 Resp: 1541960

Ion Ratio Lower Upper

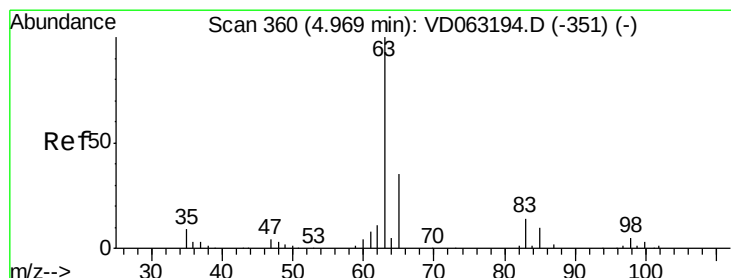
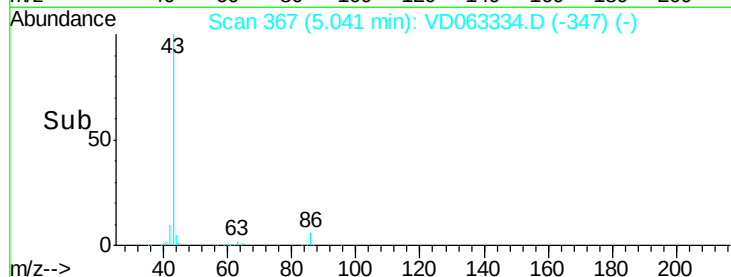
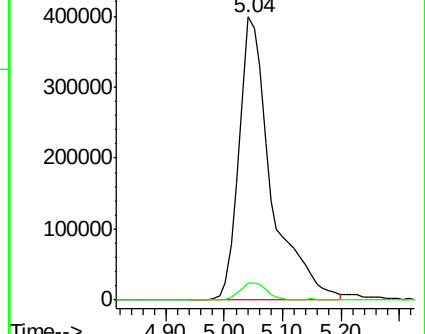
43 100

86 6.0 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: 21.078 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

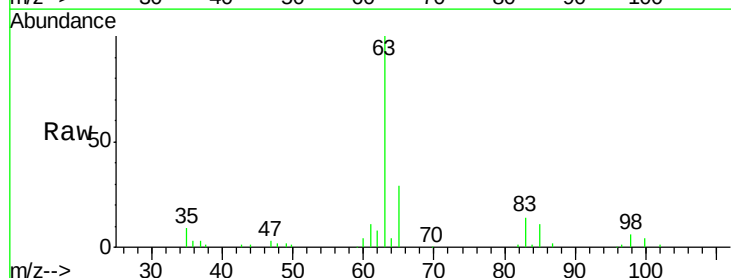
Tgt Ion: 63 Resp: 324250

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

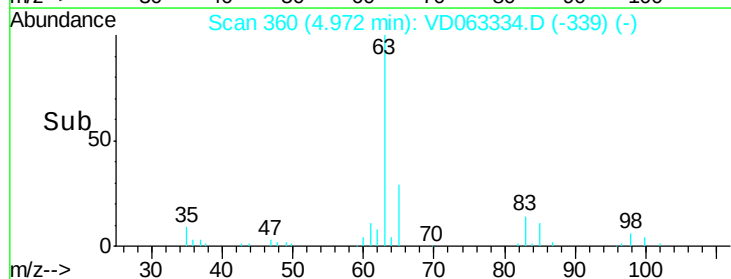
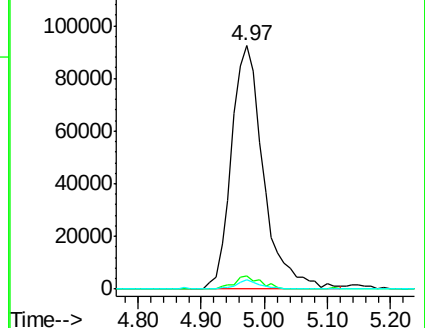
100 3.8 1.3 3.9

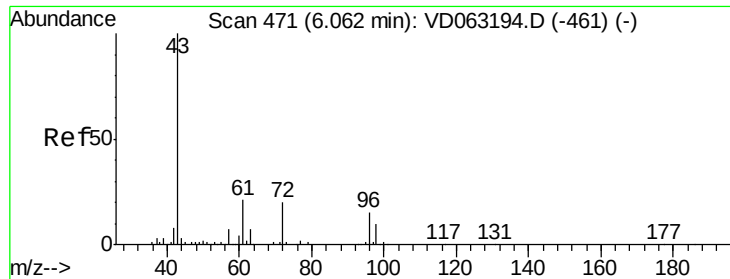


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.596 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

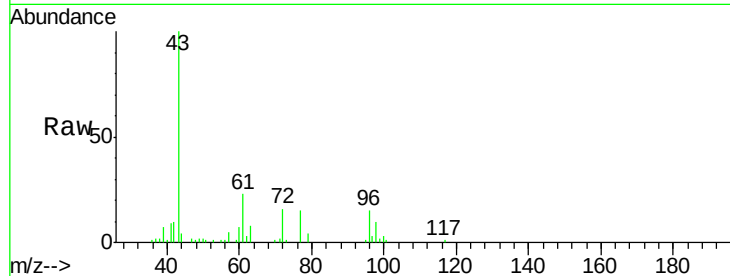
VD0802SBSD02

Tot Ion: 43 Resp: 227749

Ion Ratio Lower Upper

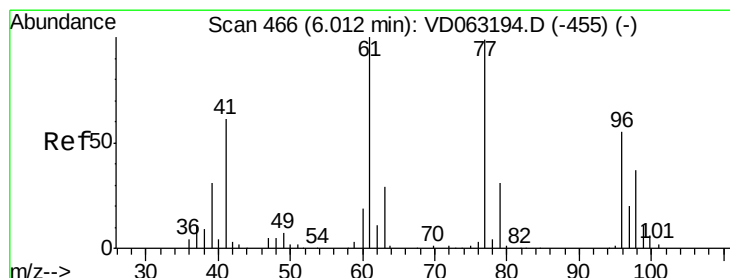
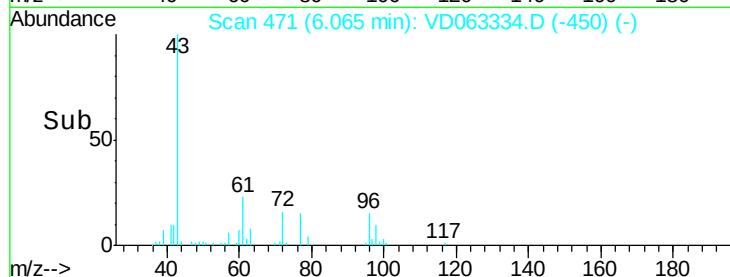
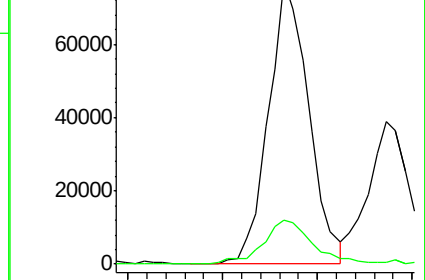
43 100

72 15.7 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: 18.235 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063334.D

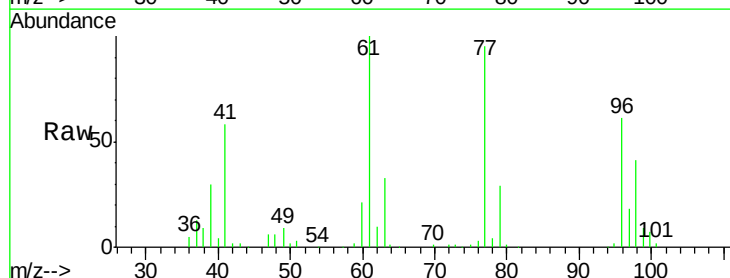
Acq: 3 Aug 2019 1:01

Tgt Ion: 77 Resp: 289091

Ion Ratio Lower Upper

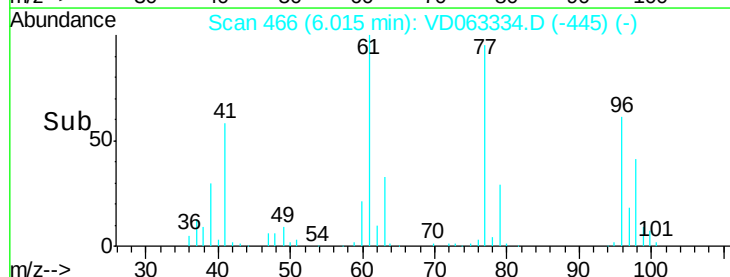
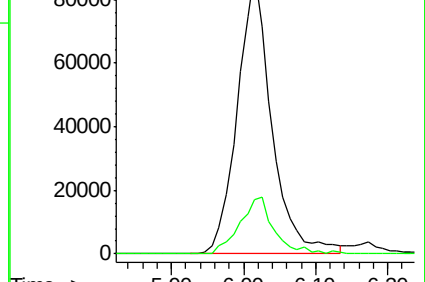
77 100

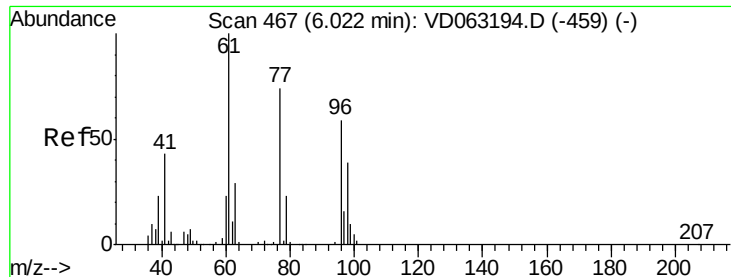
97 19.2 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



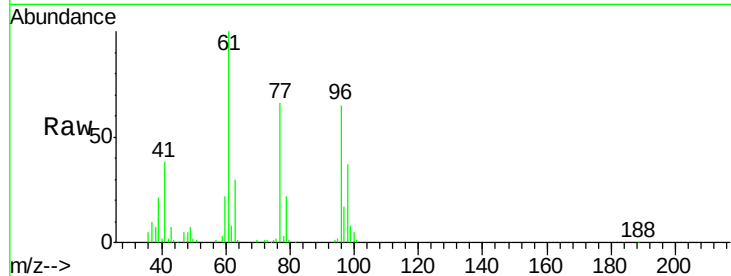


#27

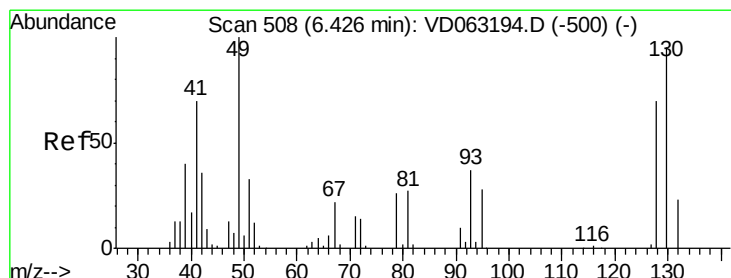
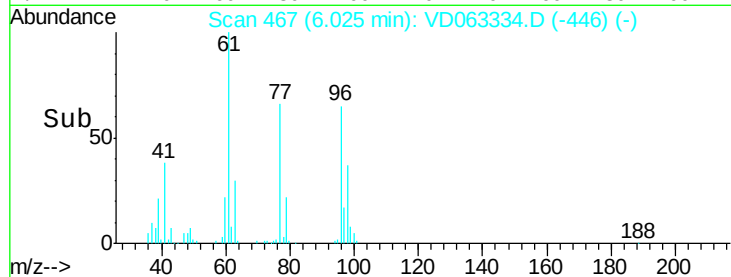
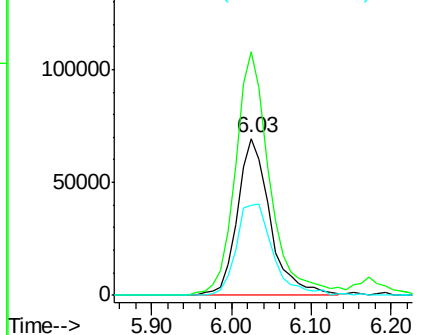
cis-1,2-Dichloroethene
Concen: 21.684 ug/l
RT: 6.03 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

Tot Ion	96	Resp	197386
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	337.2
98	57.2	0.0	130.6



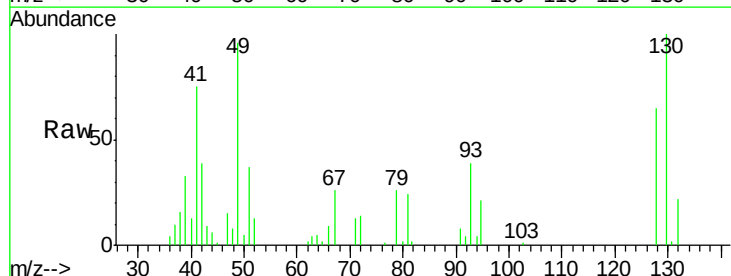
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



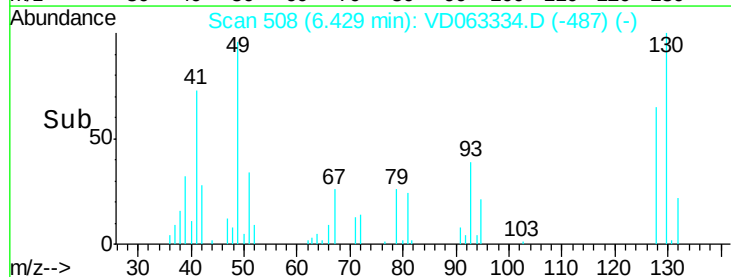
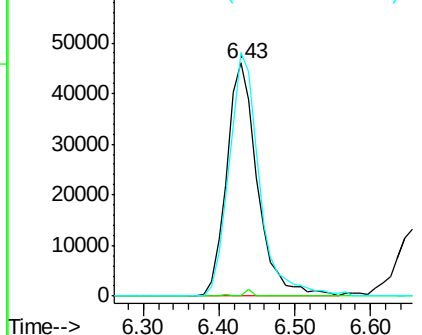
#28

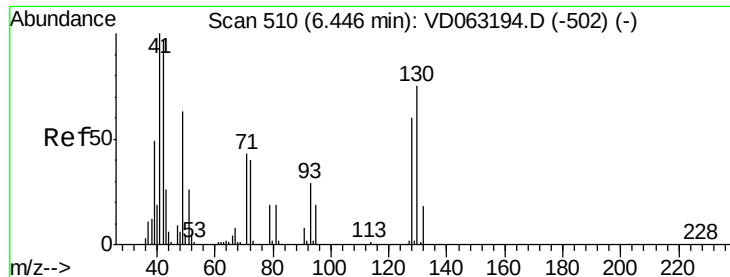
Bromochloromethane
Concen: 21.019 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion	49	Resp	128833
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	104.5	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: 115.000 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

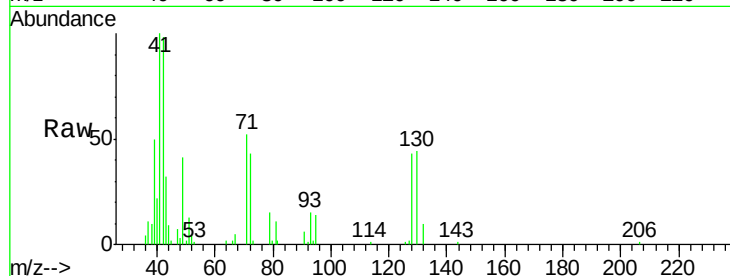
Tot Ion: 42 Resp: 115247

Ion Ratio Lower Upper

42 100

72 39.5 33.4 50.2

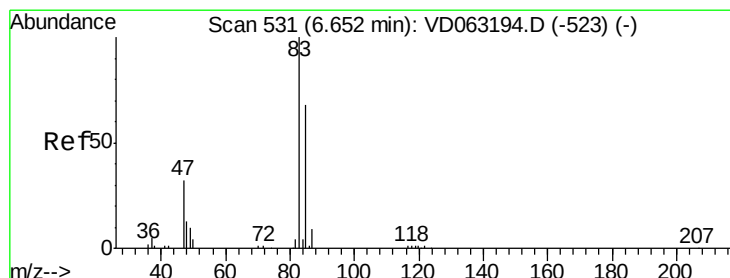
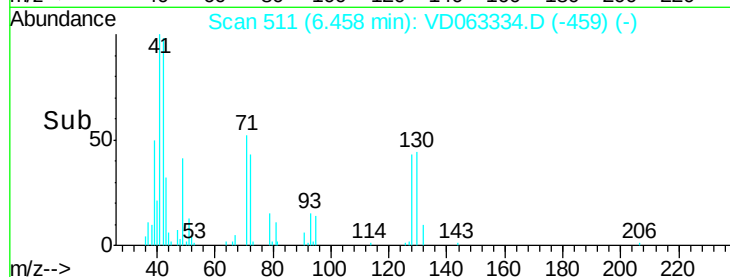
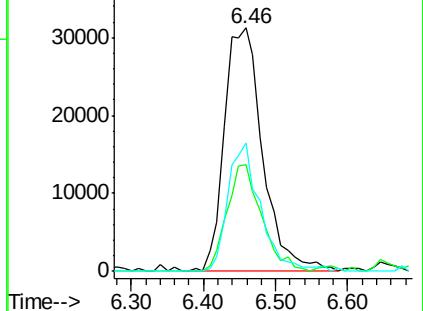
71 45.0 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.558 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063334.D

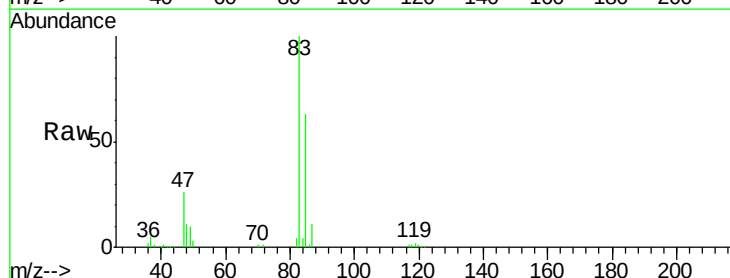
Acq: 3 Aug 2019 1:01

Tgt Ion: 83 Resp: 392473

Ion Ratio Lower Upper

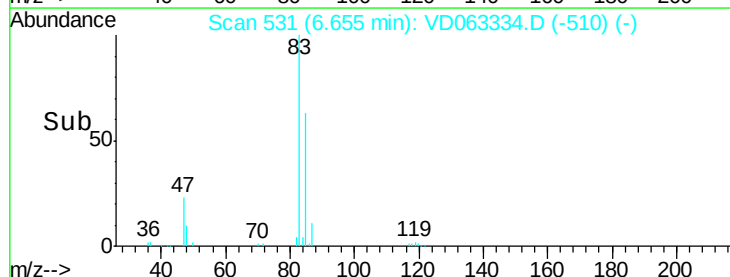
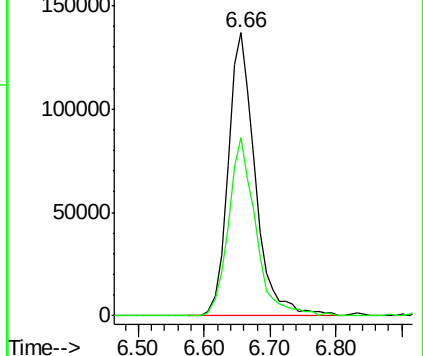
83 100

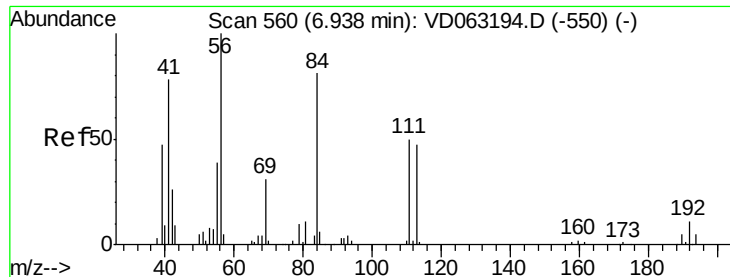
85 63.1 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

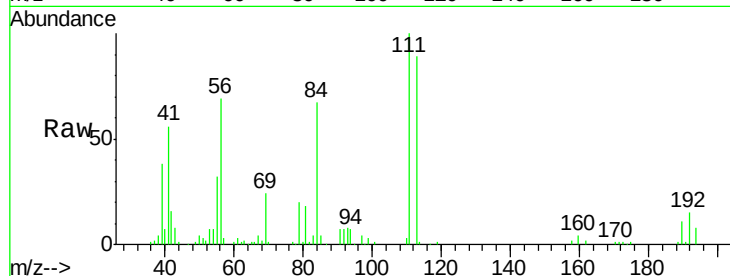




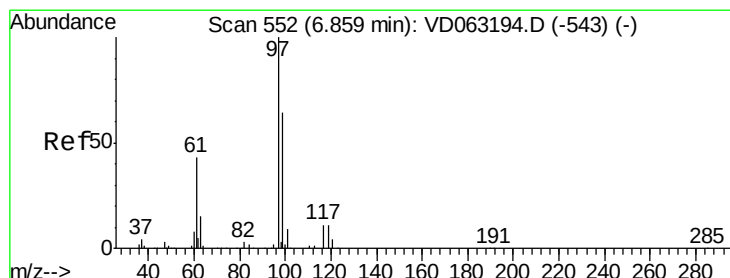
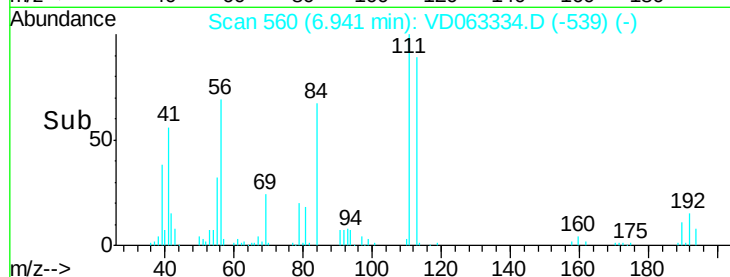
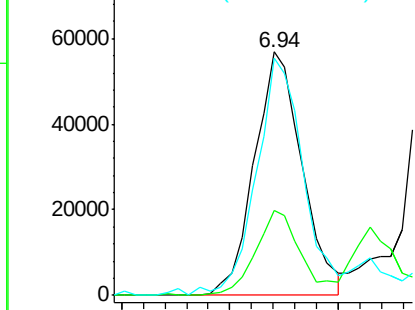
#31
Cyclohexane
Concen: 18.132 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

Tot Ion: 56 Resp: 174842
Ion Ratio Lower Upper
56 100
69 35.1 24.5 36.7
84 97.5 64.9 97.3#

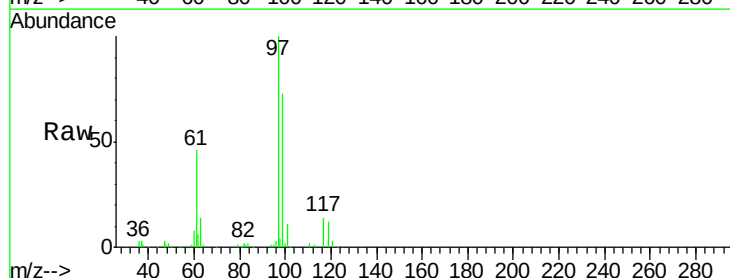


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

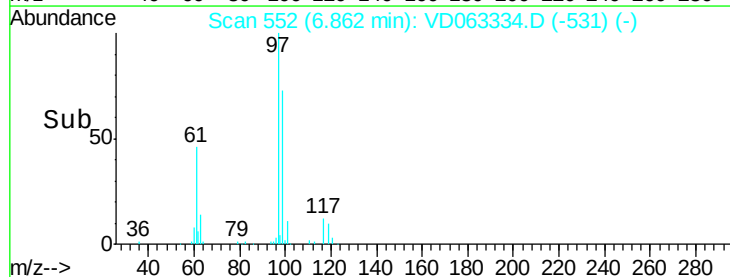
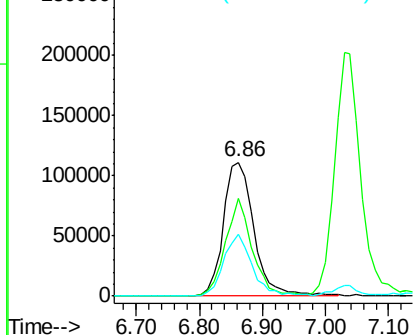


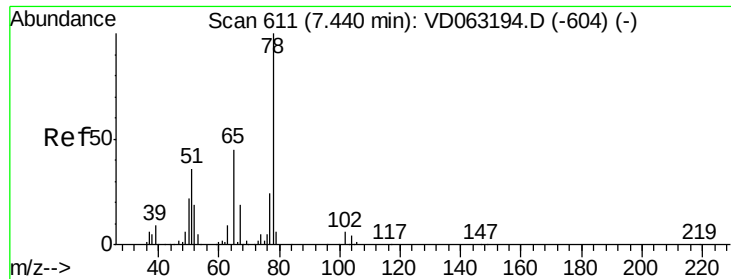
#32
1,1,1-Trichloroethane
Concen: 20.149 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 97 Resp: 372083
Ion Ratio Lower Upper
97 100
99 72.7 51.2 76.8
61 46.0 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: 48.127 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

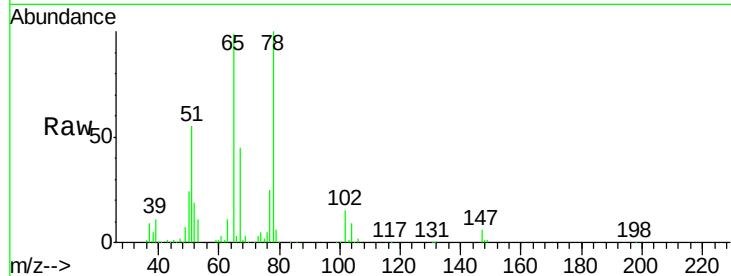
VD0802SBSD02

Tot Ion: 65 Resp: 520977

Ion Ratio Lower Upper

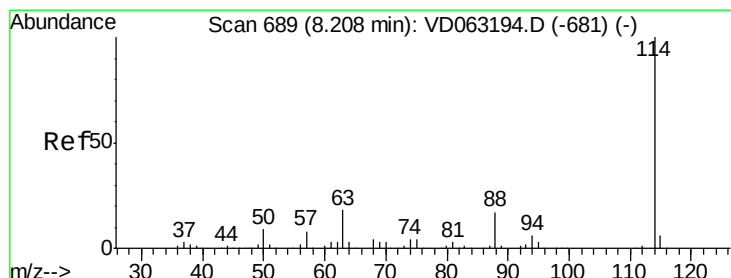
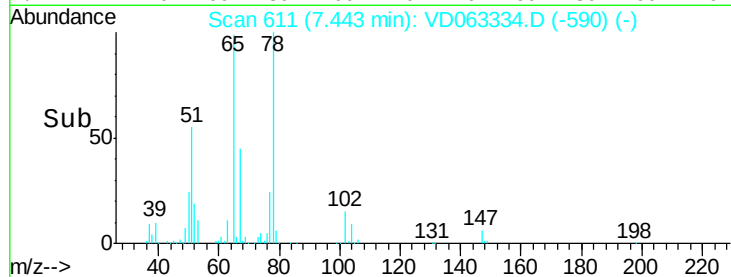
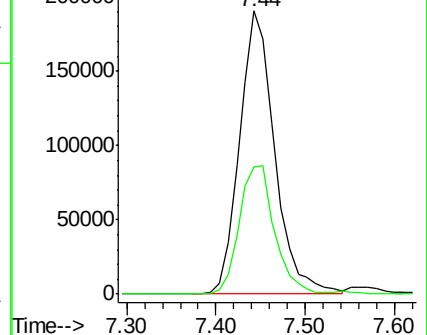
65 100

67 44.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

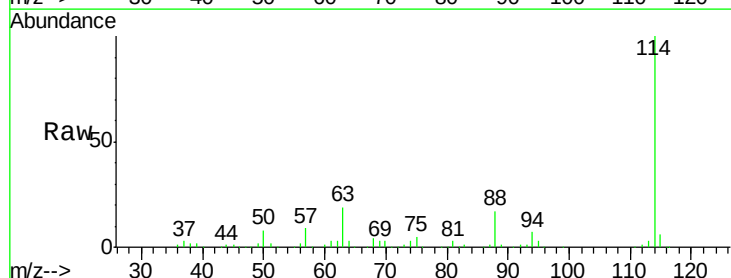
Tgt Ion: 114 Resp: 1340015

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

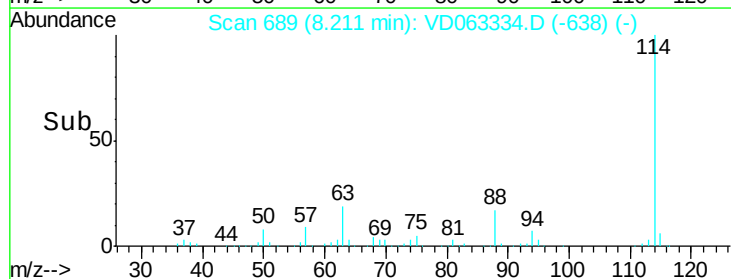
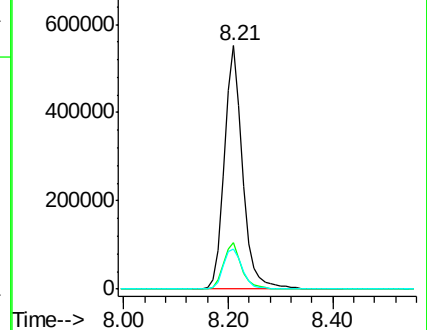
88 16.6 0.0 34.6

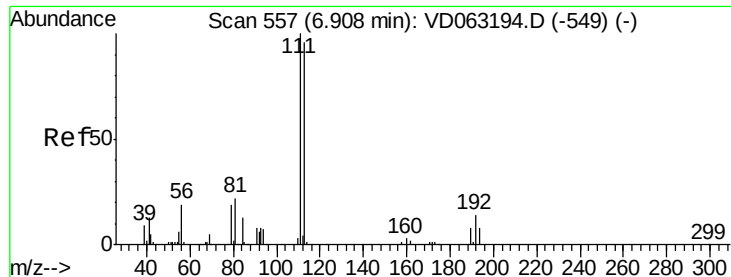


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

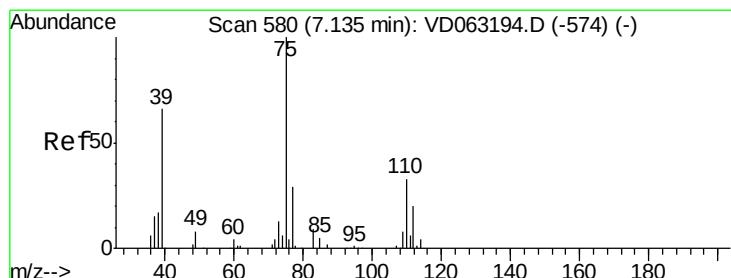
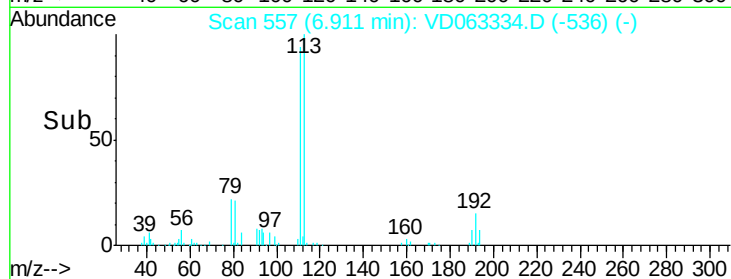
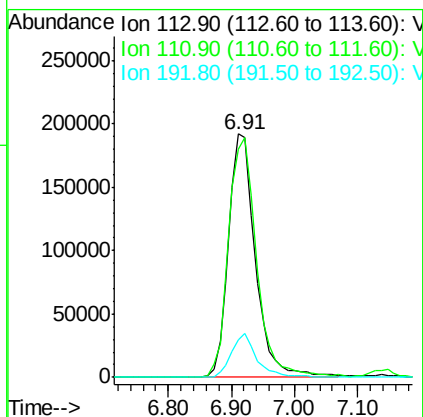
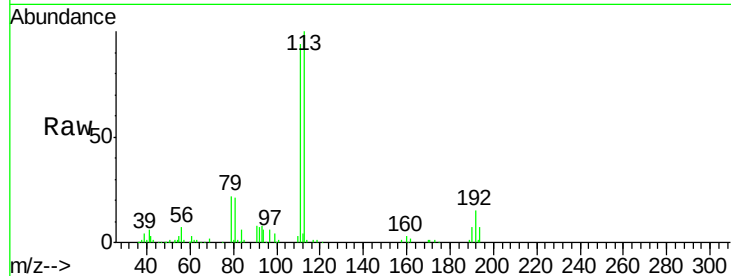




#35
 Dibromofluoromethane
 Concen: 49.387 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

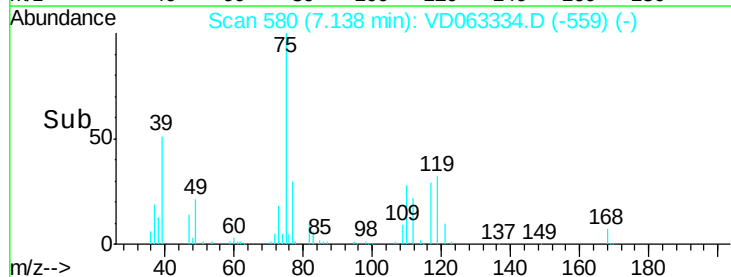
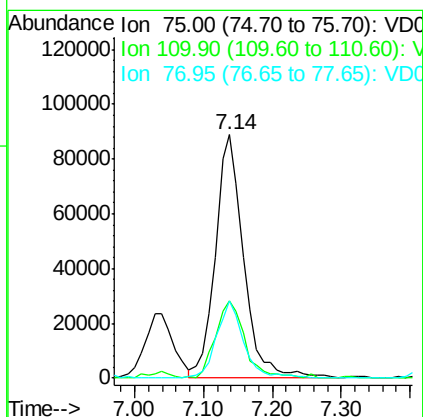
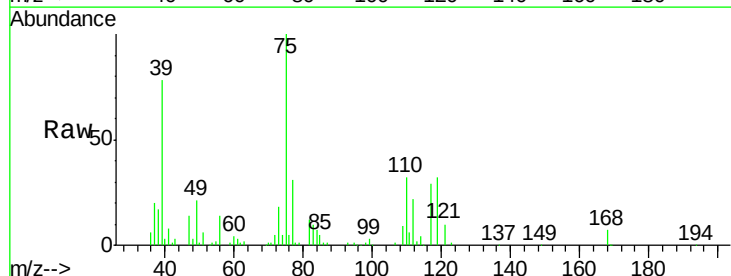
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

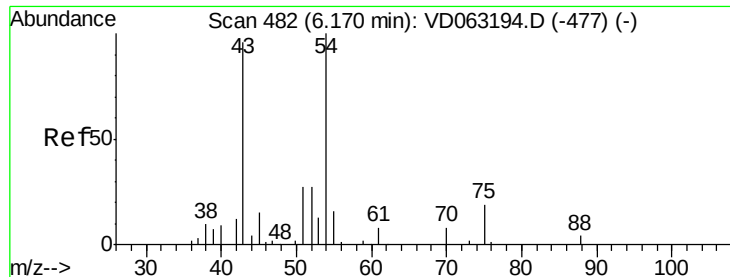
Tot Ion	Ratio	Lower	Upper
113	100		
111	94.0	83.2	124.8
192	15.3	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 20.628 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.1	48.2
77	31.5	22.7	34.1





#37

Ethyl Acetate

Concen: 23.366 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleID :

VD0802SBSD02

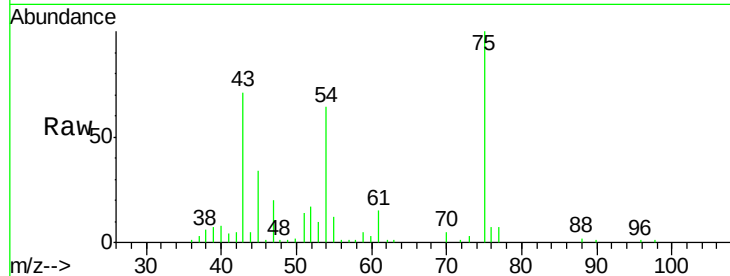
Tot Ion: 43 Resp: 128379

Ion Ratio Lower Upper

43 100

61 21.1 11.3 16.9#

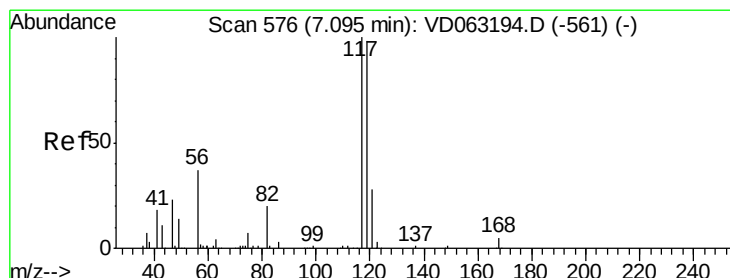
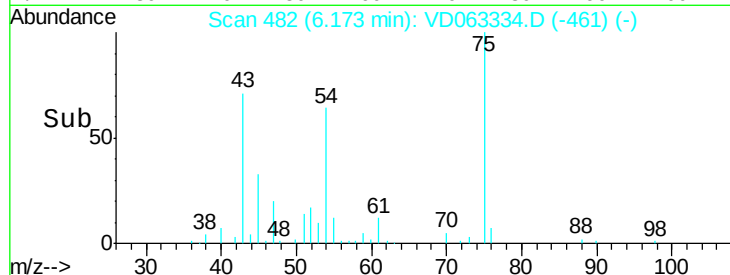
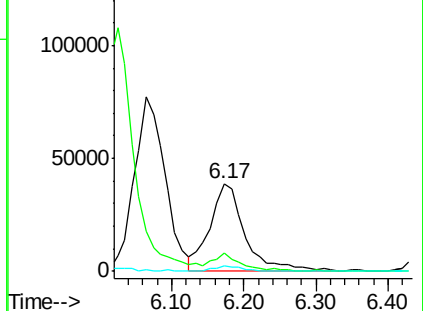
70 6.6 5.1 7.7



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: 19.138 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

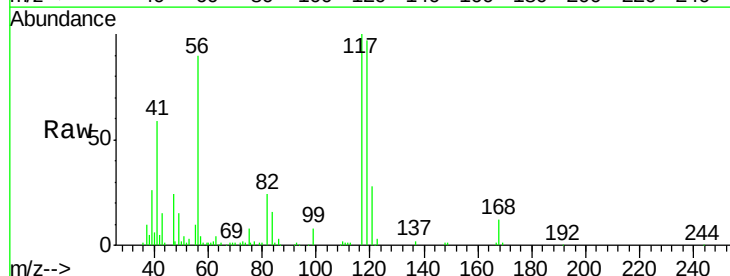
Tgt Ion: 117 Resp: 352340

Ion Ratio Lower Upper

117 100

119 96.7 78.2 117.2

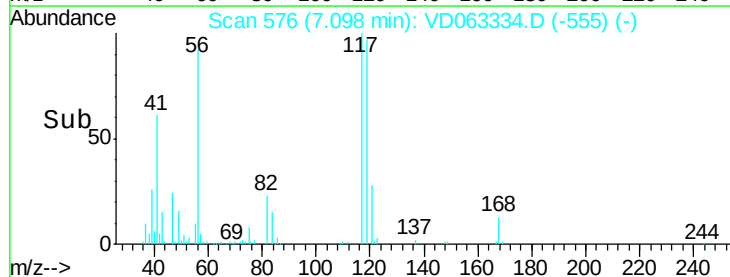
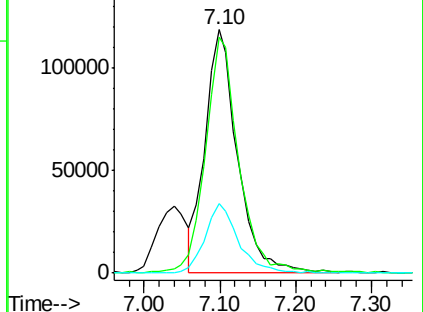
121 28.3 22.1 33.1

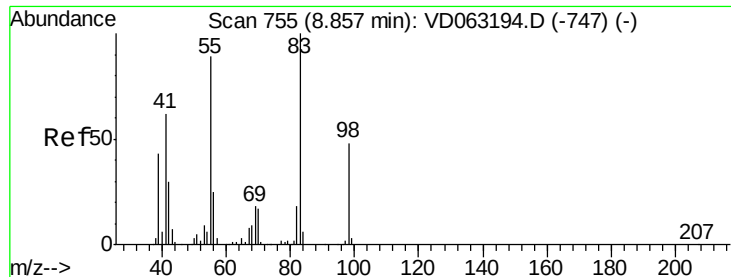


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

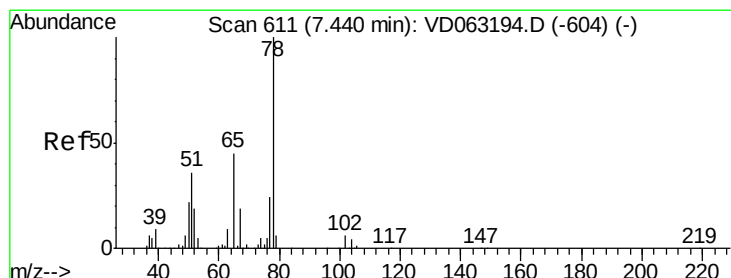
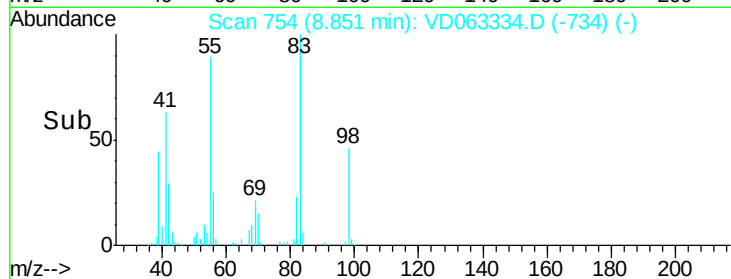
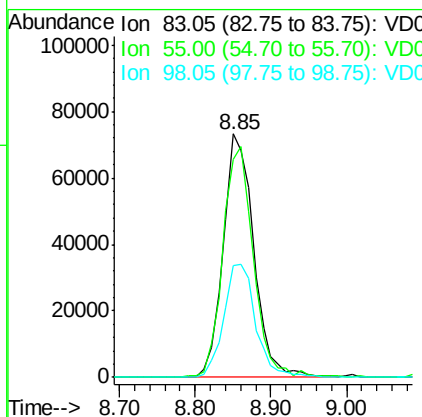
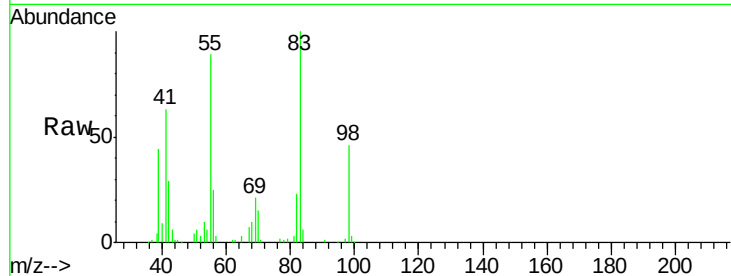




#39
Methylvlcyclohexane
Concen: 20.049 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

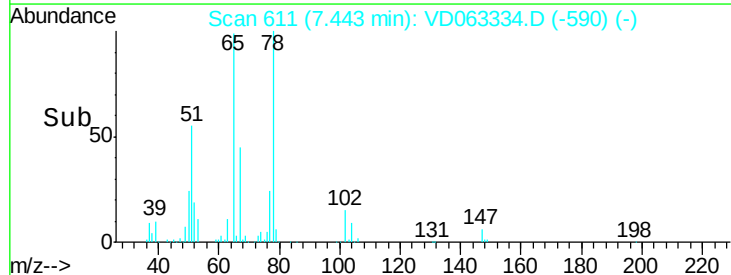
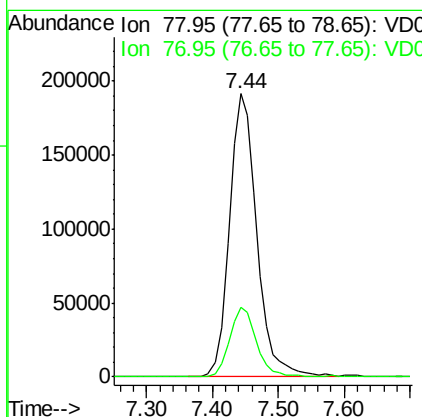
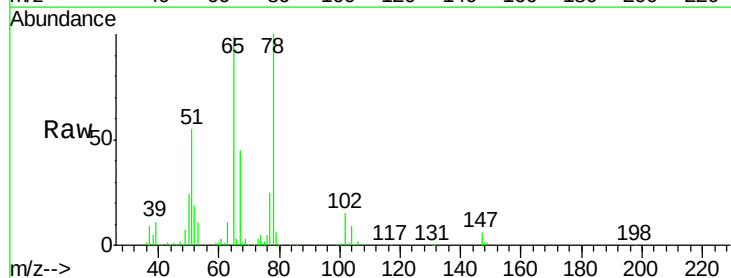
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

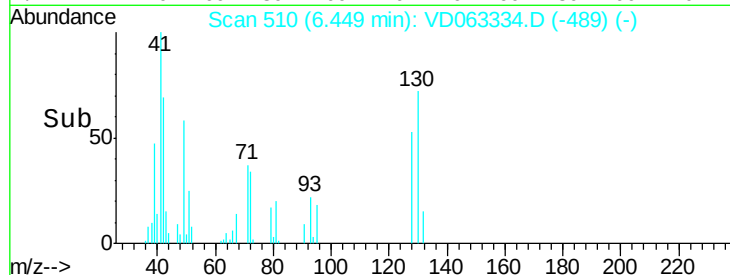
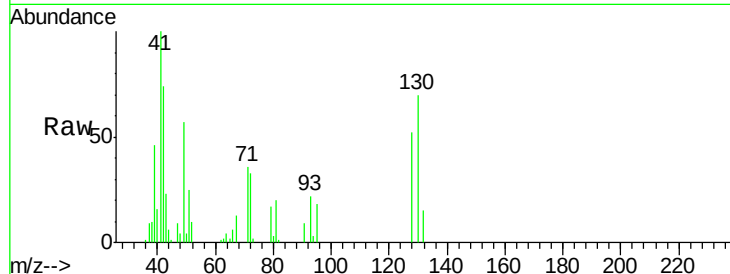
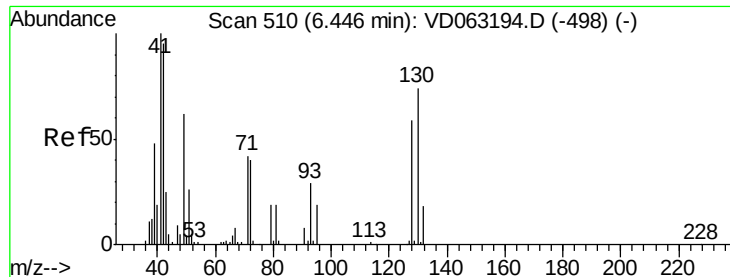
Tot Ion: 83 Resp: 204285
Ion Ratio Lower Upper
83 100
55 89.5 71.1 106.7
98 45.7 38.5 57.7



#40
Benzene
Concen: 21.744 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 78 Resp: 557298
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.2

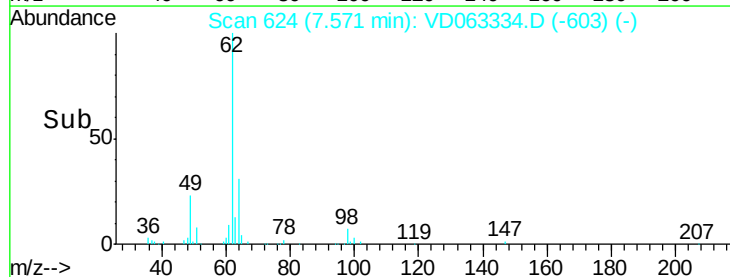
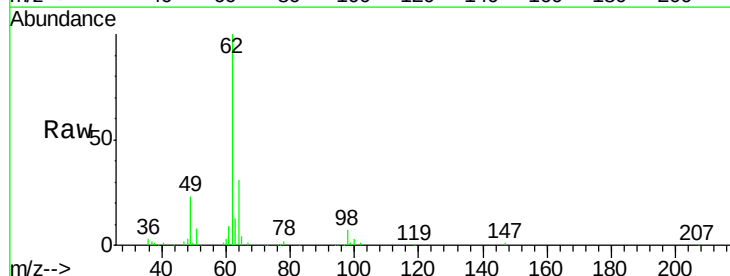
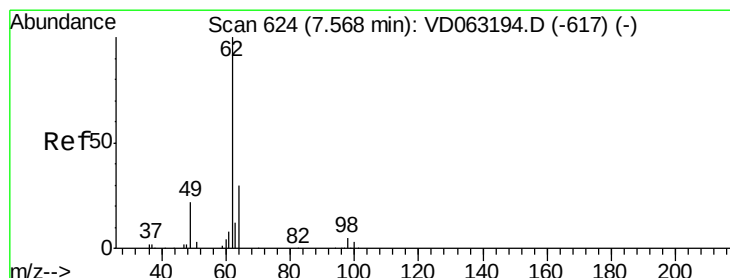
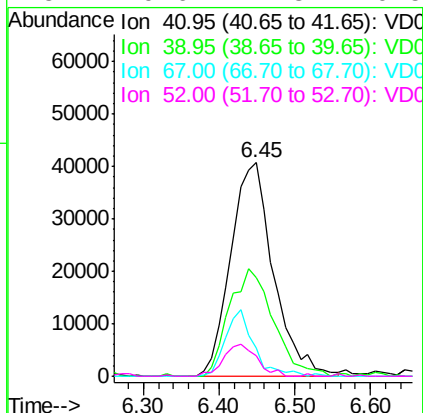




#41
Methacrylonitrile
Concen: 24.274 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

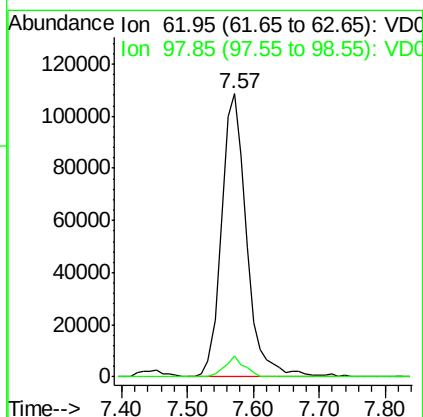
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

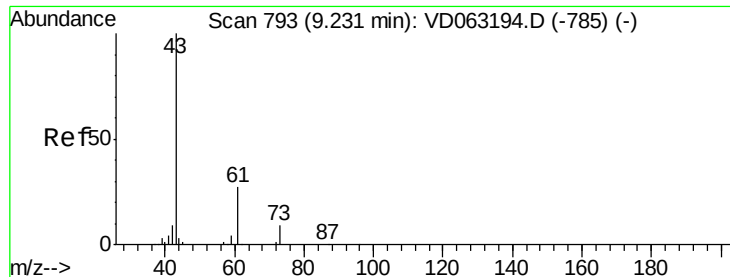
Tot Ion: 41 Resp: 159534
Ion Ratio Lower Upper
41 100
39 46.1 38.4 57.6
67 13.4 6.7 10.1#
52 9.6 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 21.349 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 62 Resp: 290001
Ion Ratio Lower Upper
62 100
98 7.3 0.0 9.8





#43

Isopropyl Acetate

Concen: 21.308 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

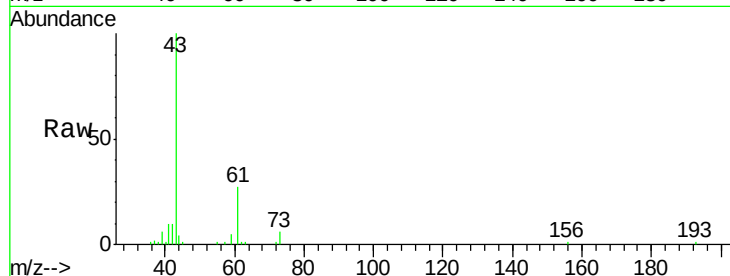
Tot Ion: 43 Resp: 149544

Ion Ratio Lower Upper

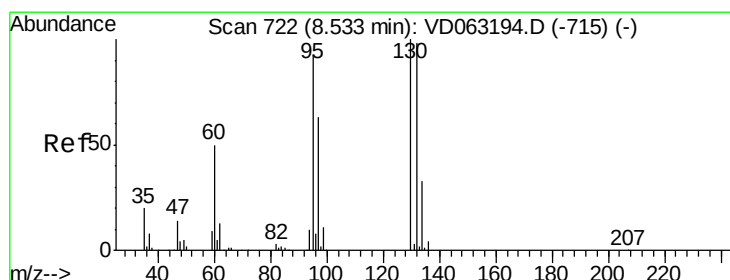
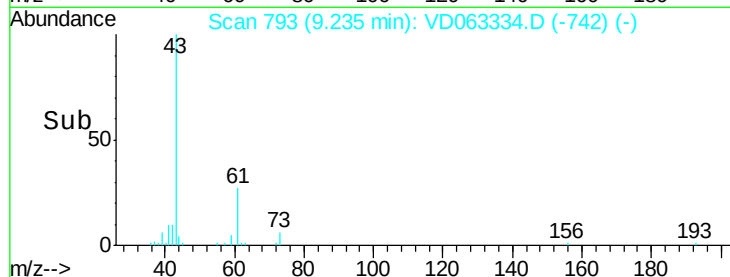
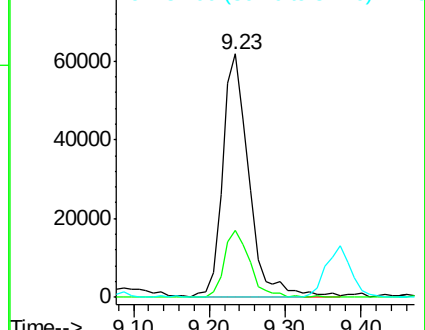
43 100

61 27.3 21.4 32.0

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 19.618 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063334.D

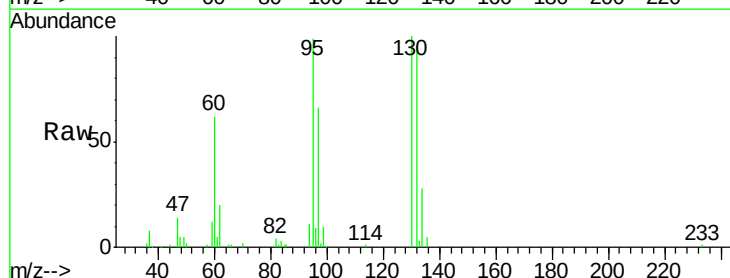
Acq: 3 Aug 2019 1:01

Tgt Ion:130 Resp: 203746

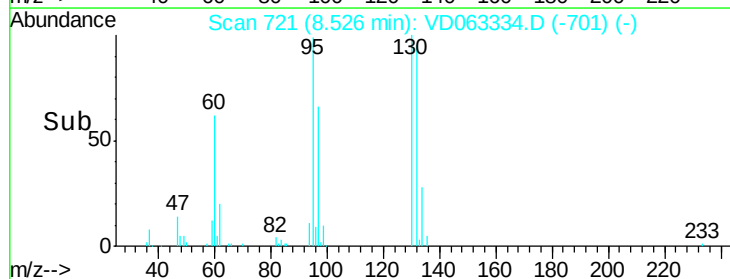
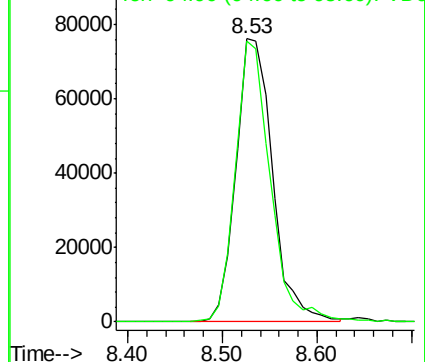
Ion Ratio Lower Upper

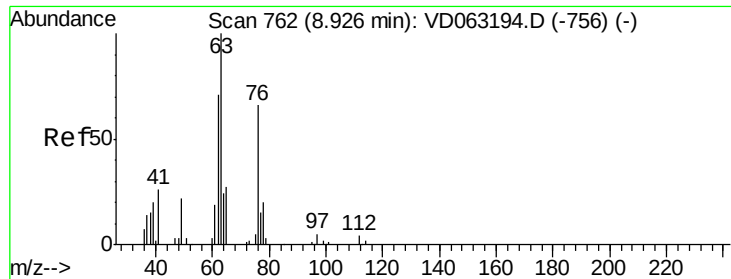
130 100

95 99.3 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: 19.655 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

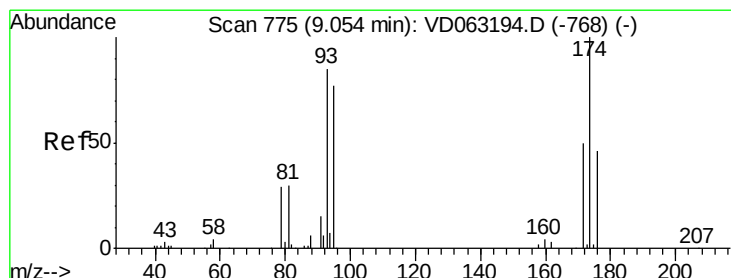
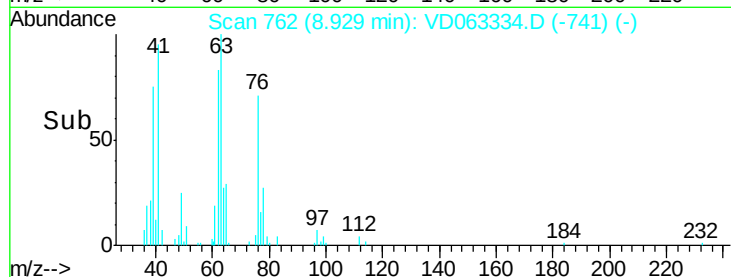
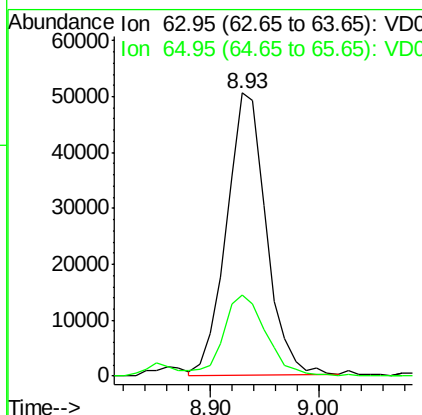
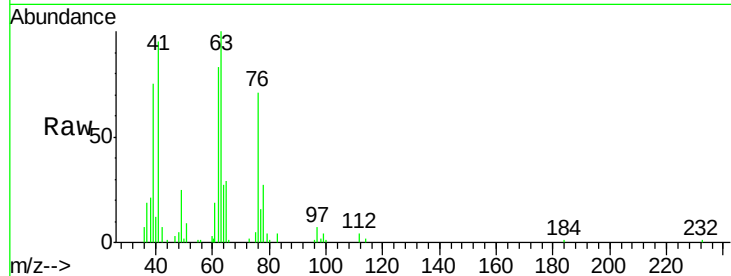
VD0802SBSD02

Tot Ion: 63 Resp: 128045

Ion Ratio Lower Upper

63 100

65 28.8 23.6 35.4



#46

Dibromomethane

Concen: 21.963 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

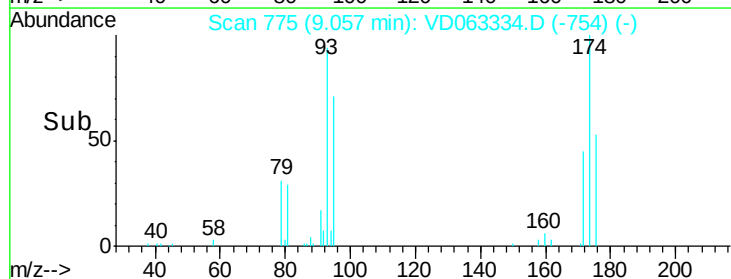
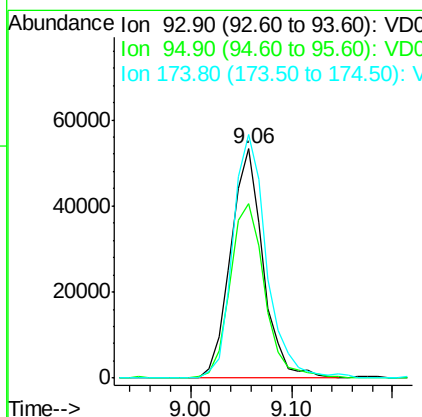
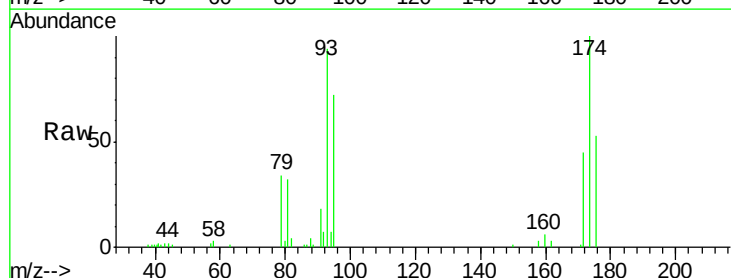
Tgt Ion: 93 Resp: 118966

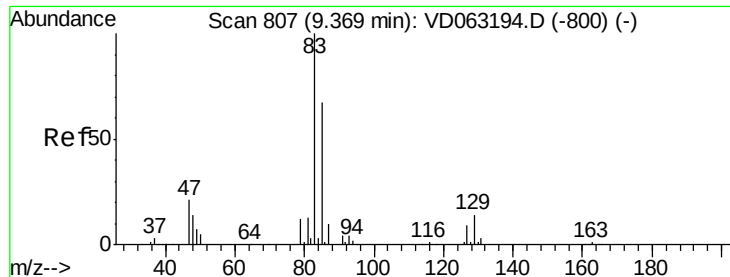
Ion Ratio Lower Upper

93 100

95 76.4 72.8 109.2

174 106.3 94.4 141.6





#47

Bromodichloromethane

Concen: 21.901 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

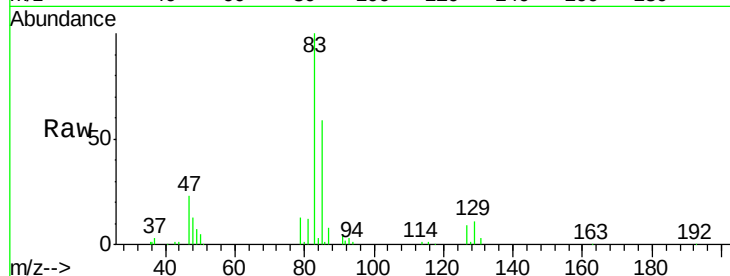
Tot Ion: 83 Resp: 302411

Ion Ratio Lower Upper

83 100

85 58.8 53.6 80.4

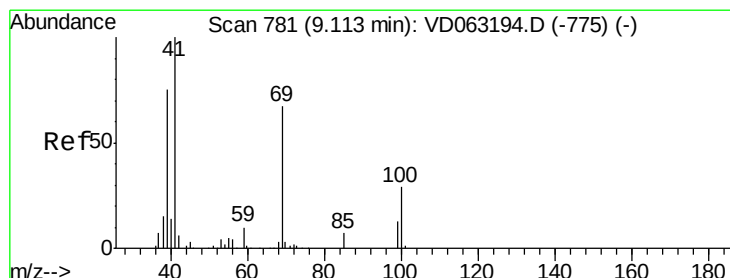
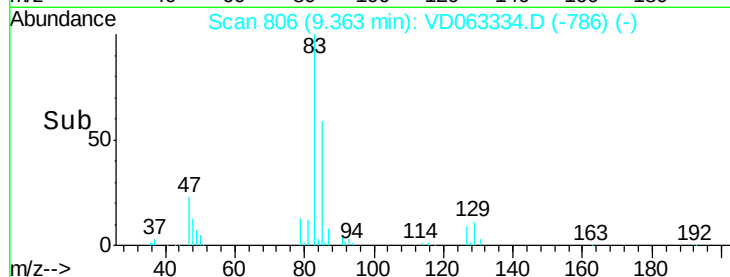
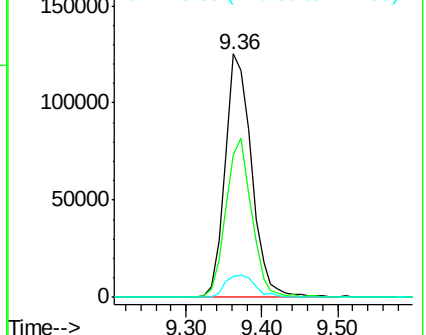
127 8.6 7.2 10.8



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: 22.523 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

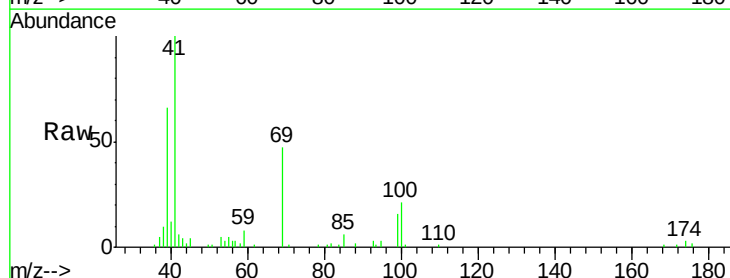
Tgt Ion: 41 Resp: 102520

Ion Ratio Lower Upper

41 100

69 47.2 53.4 80.0#

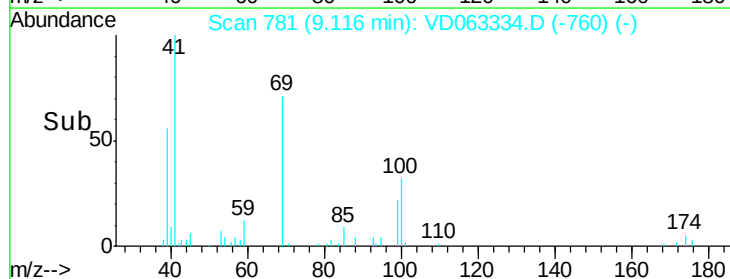
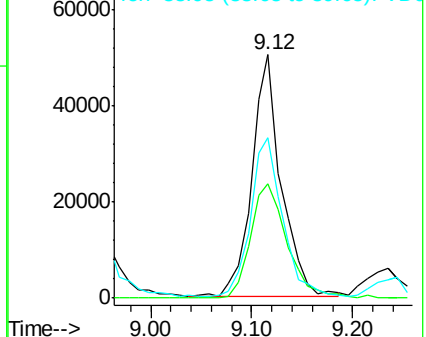
39 65.9 60.3 90.5

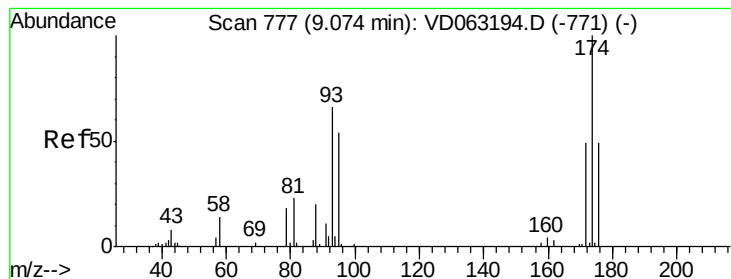


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 438.866 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

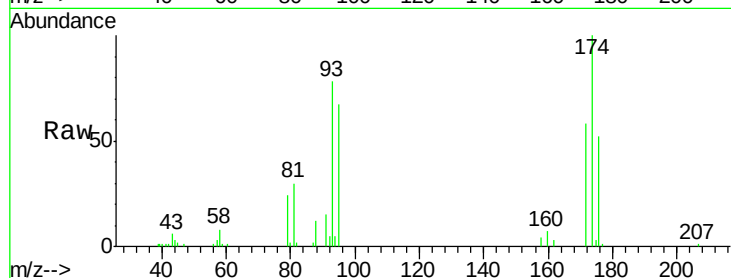
Tot Ion: 88 Resp: 17011

Ion Ratio Lower Upper

88 100

43 45.5 30.7 46.1

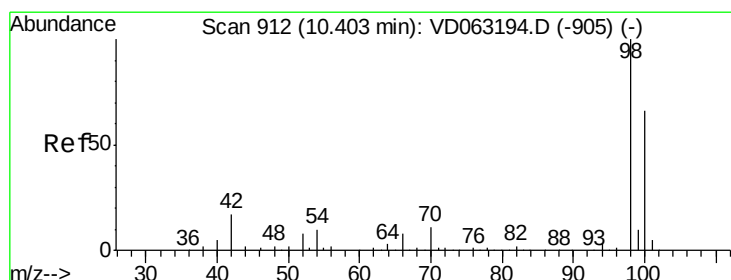
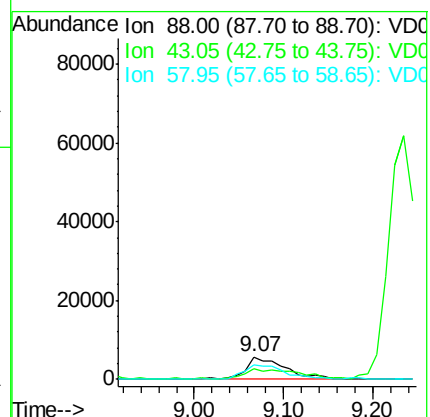
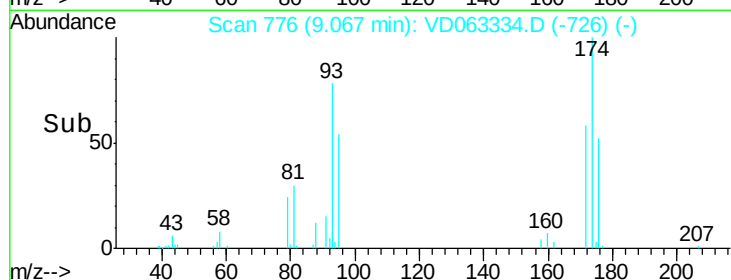
58 64.0 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 48.514 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063334.D

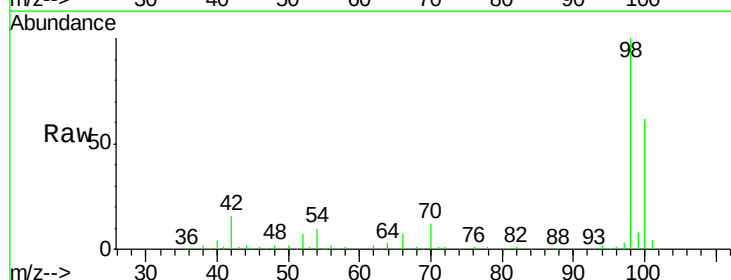
Acq: 3 Aug 2019 1:01

Tgt Ion: 98 Resp: 1242193

Ion Ratio Lower Upper

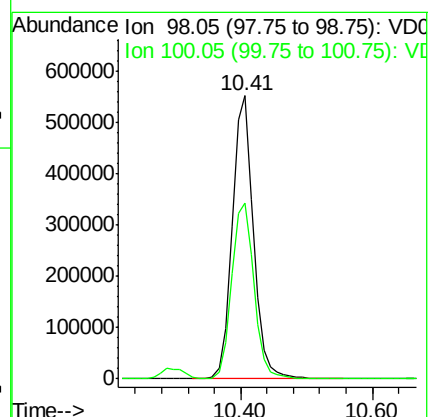
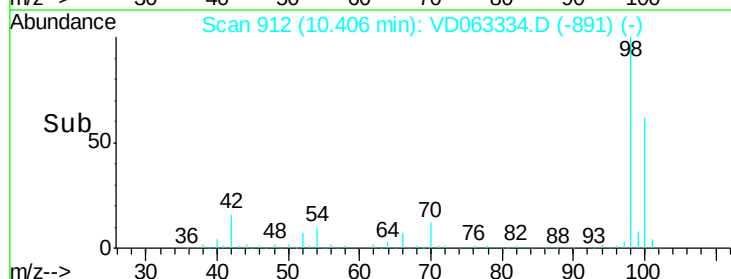
98 100

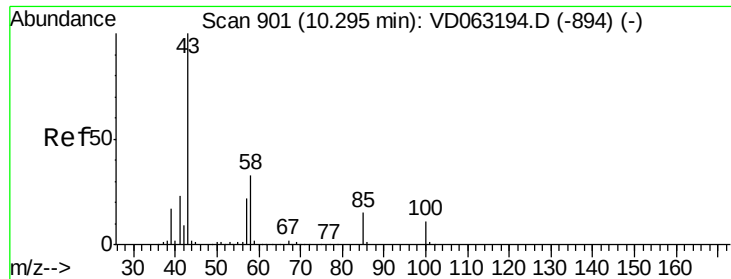
100 62.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

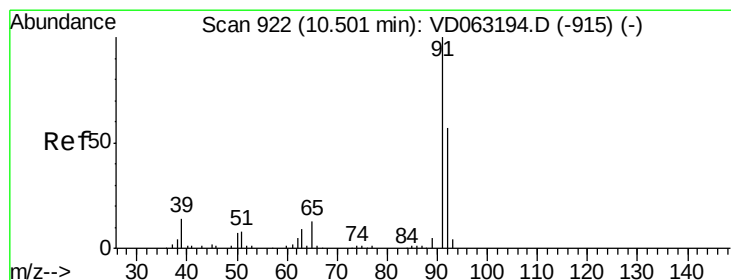
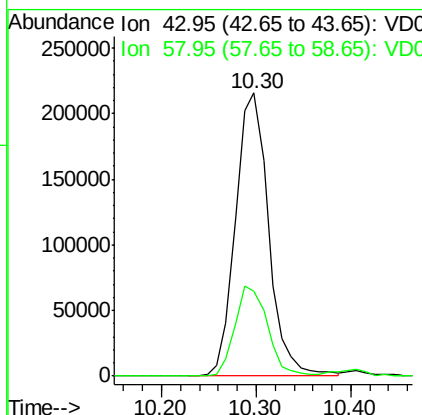
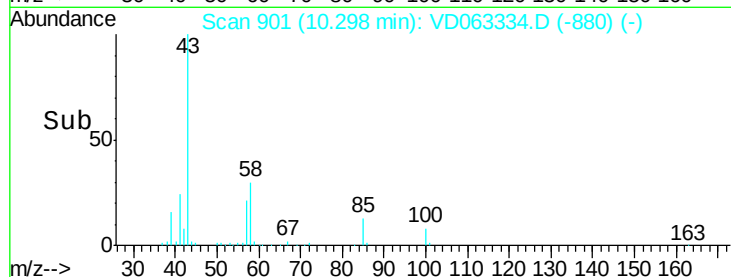
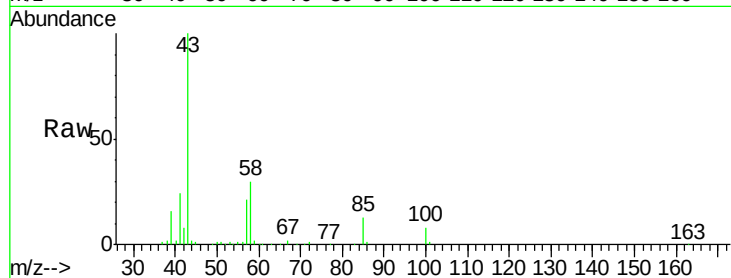




#51
 4-Methyl-2-Pentanone
 Concen: 109.402 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

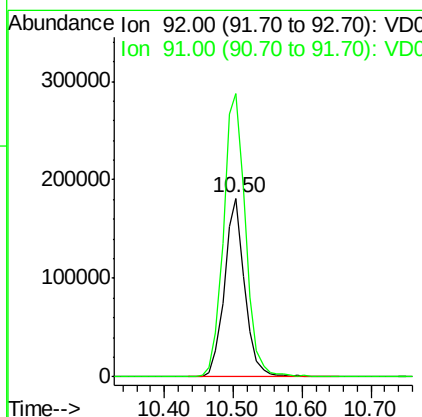
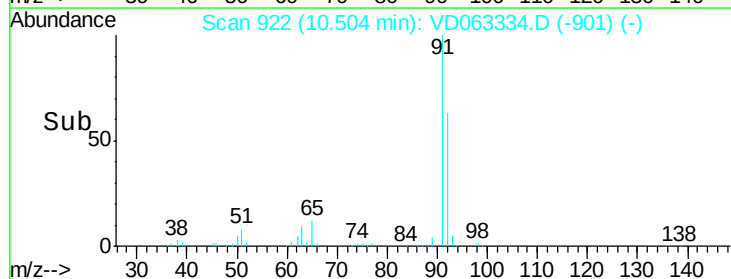
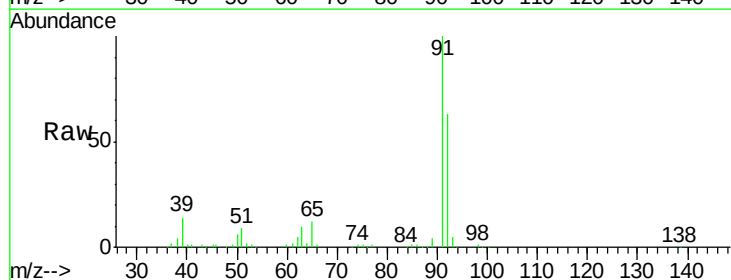
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

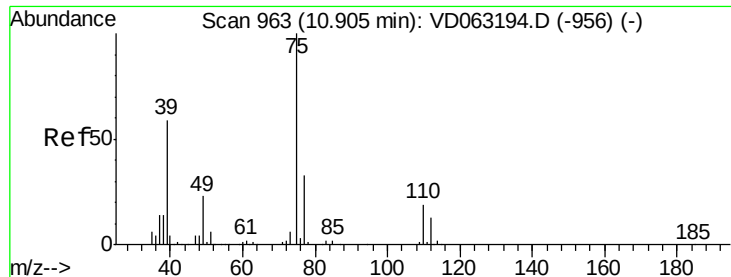
Tot Ion: 43 Resp: 522171
 Ion Ratio Lower Upper
 43 100
 58 30.1 26.2 39.2



#52
 Toluene
 Concen: 21.586 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion: 92 Resp: 367965
 Ion Ratio Lower Upper
 92 100
 91 158.4 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 21.429 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

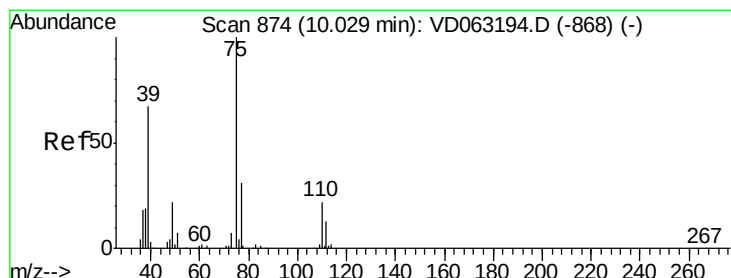
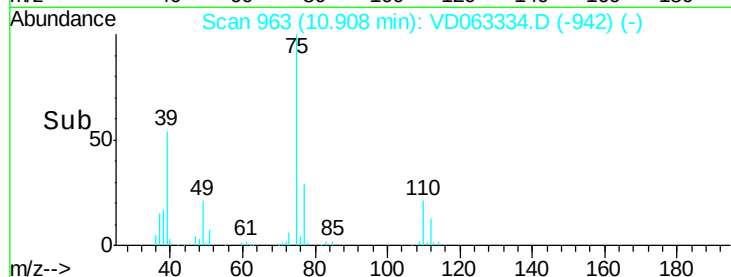
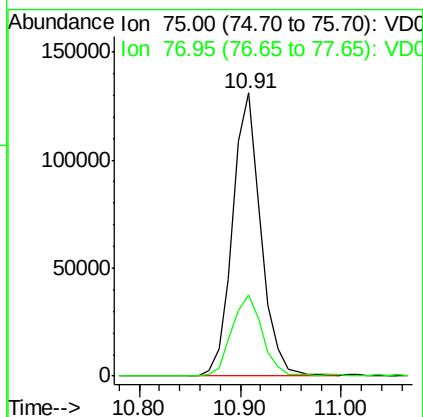
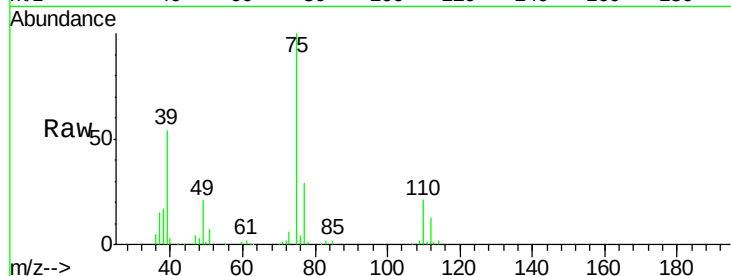
VD0802SBSD02

Tot Ion: 75 Resp: 255095

Ion Ratio Lower Upper

75 100

77 28.8 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 21.029 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

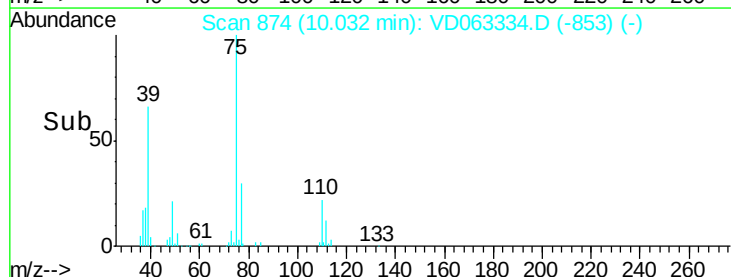
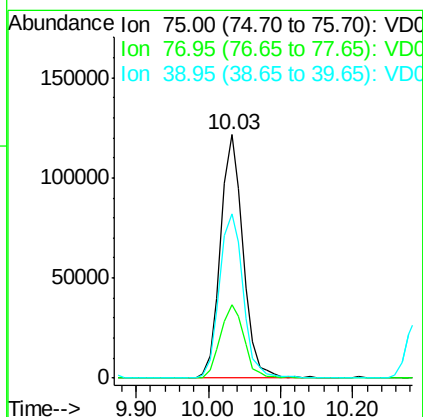
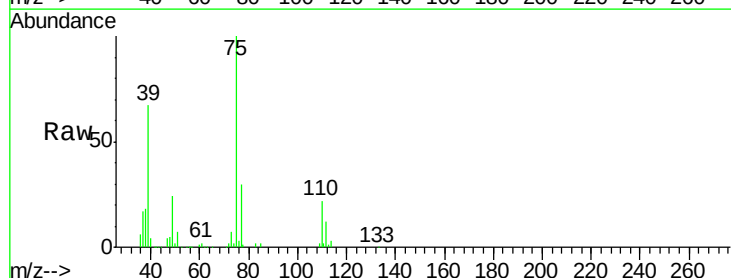
Tgt Ion: 75 Resp: 263094

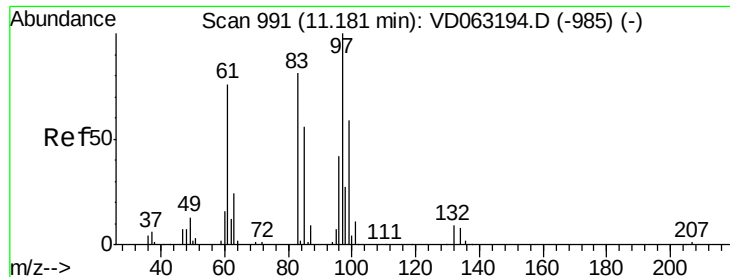
Ion Ratio Lower Upper

75 100

77 30.3 24.9 37.3

39 67.4 53.9 80.9

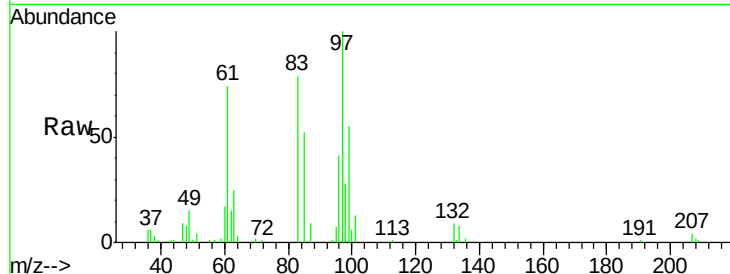




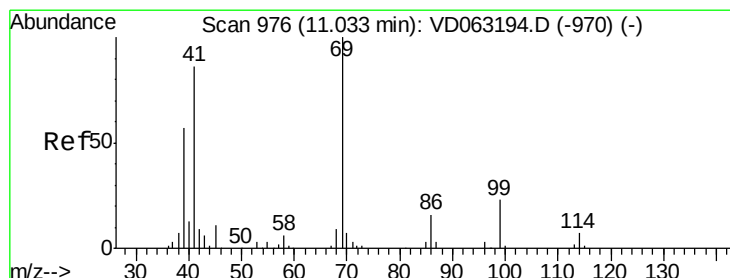
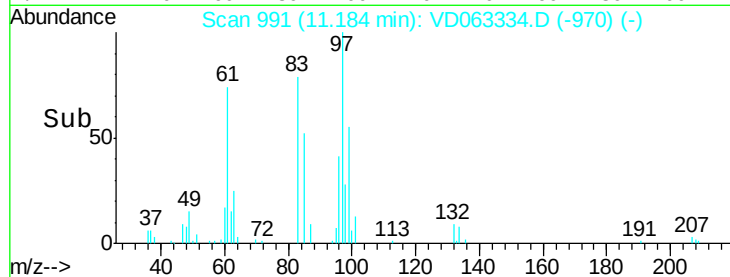
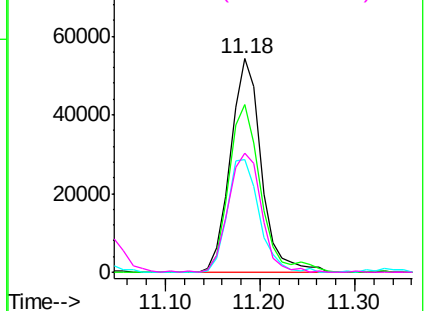
#55
 1,1,2-Trichloroethane
 Concen: 21.274 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

Tot Ion:	97	Resp:	122479
Ion	Ratio	Lower	Upper
97	100		
83	78.5	64.8	97.2
85	52.5	44.9	67.3
99	55.5	47.2	70.8

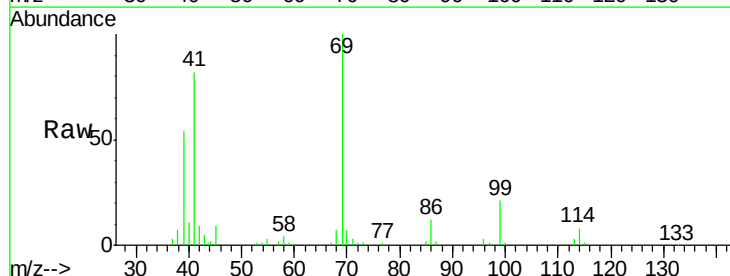


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

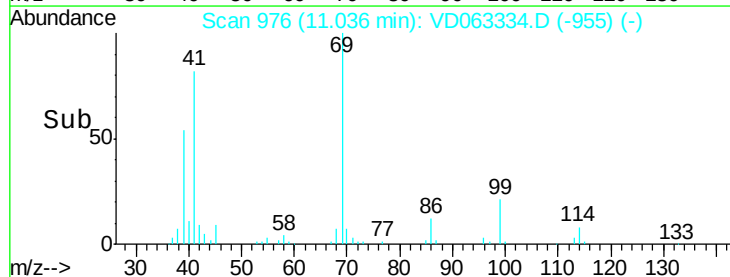
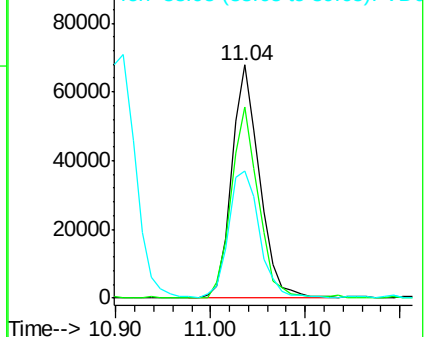


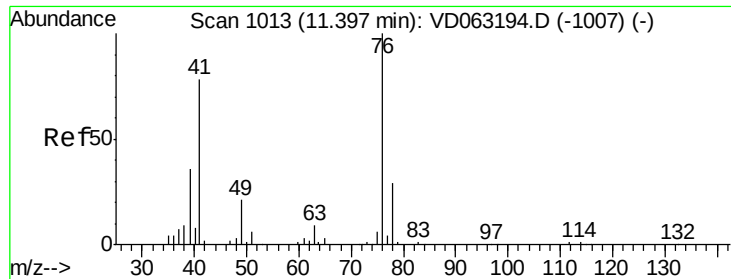
#56
 Ethyl methacrylate
 Concen: 21.746 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion:	69	Resp:	137094
Ion	Ratio	Lower	Upper
69	100		
41	82.1	68.8	103.2
39	54.3	45.8	68.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

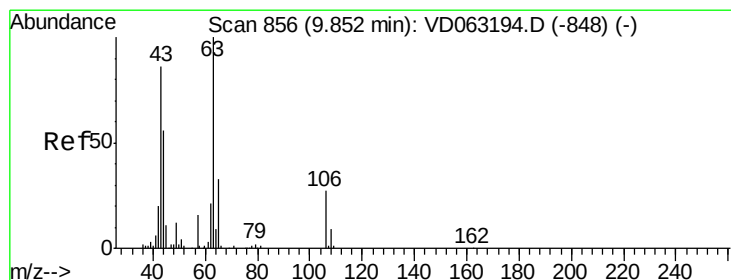
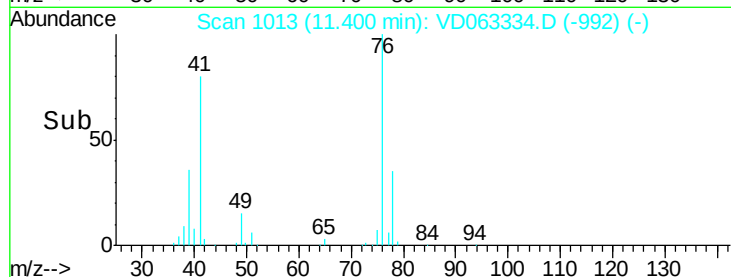
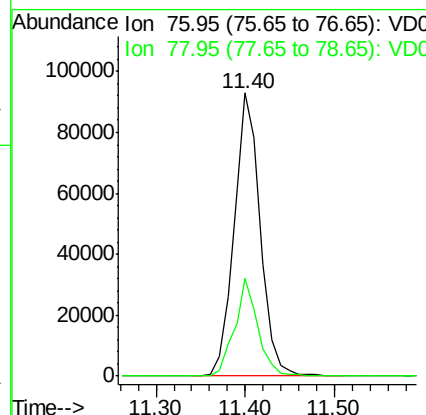
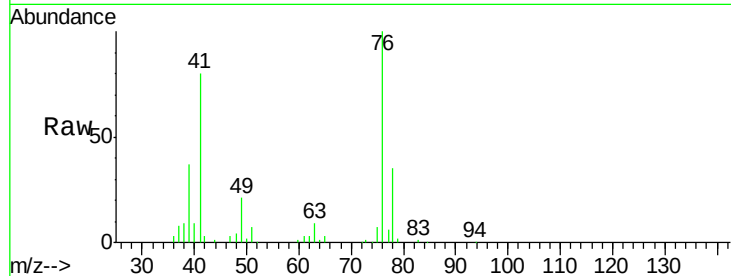




#57
 1,3-Dichloropropane
 Concen: 20.993 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

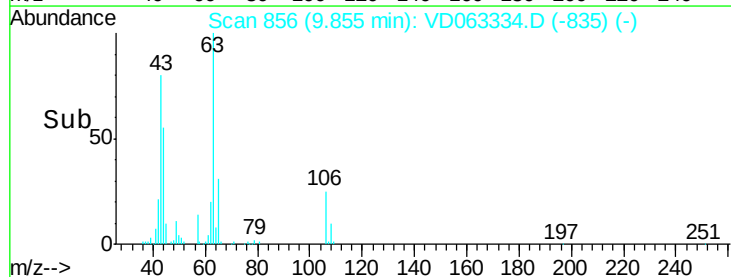
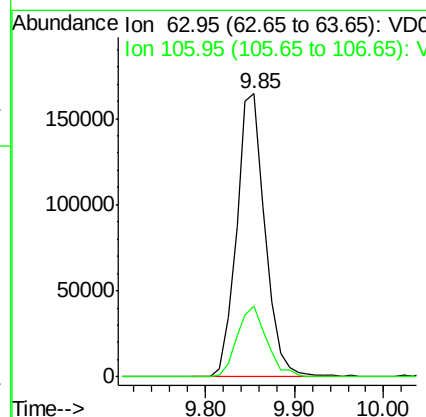
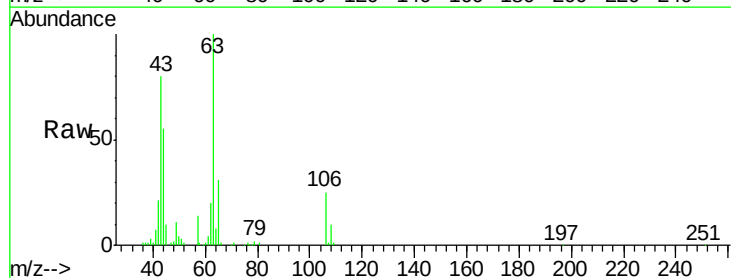
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

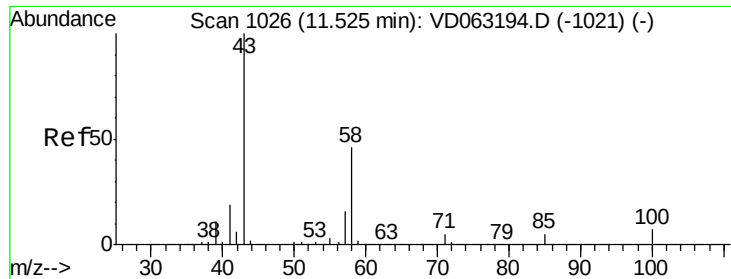
Tot Ion: 76 Resp: 190434
 Ion Ratio Lower Upper
 76 100
 78 34.7 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.117 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion: 63 Resp: 367791
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.0 33.0

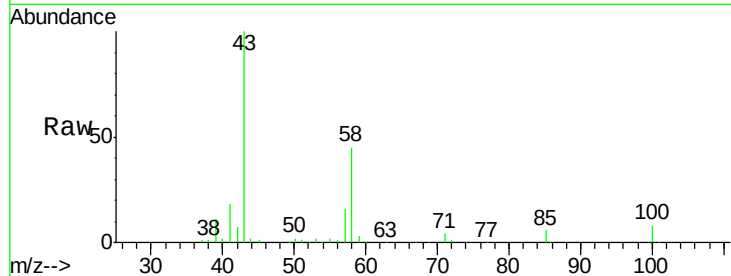




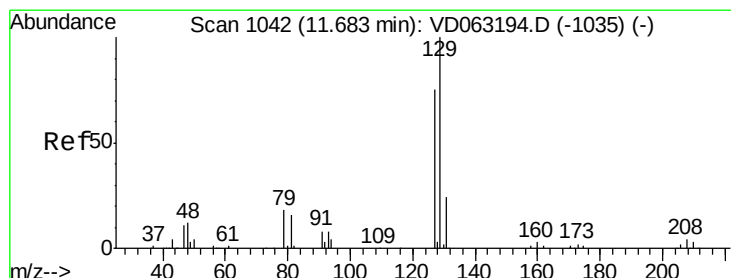
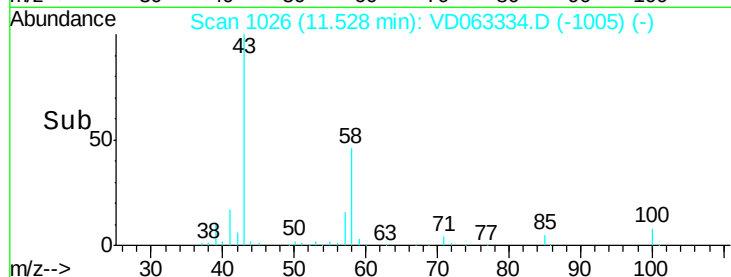
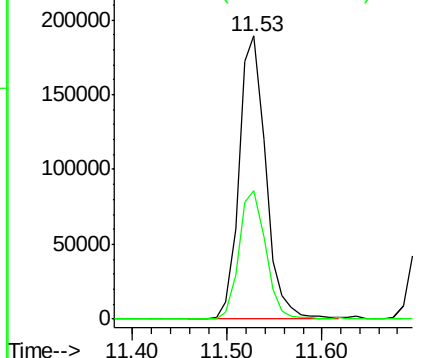
#59
2-Hexanone
Concen: 107.256 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

Tot Ion: 43 Resp: 368916
Ion Ratio Lower Upper
43 100
58 45.2 22.9 68.5

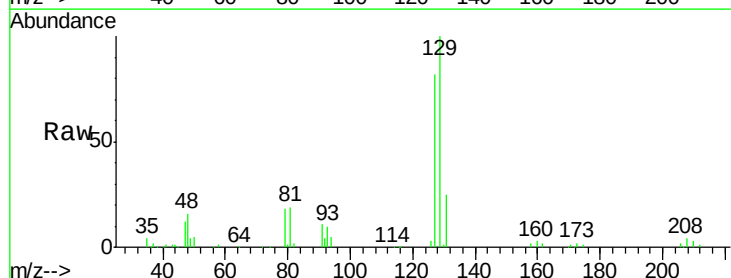


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

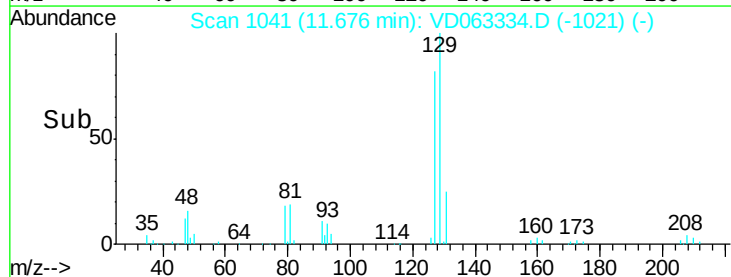
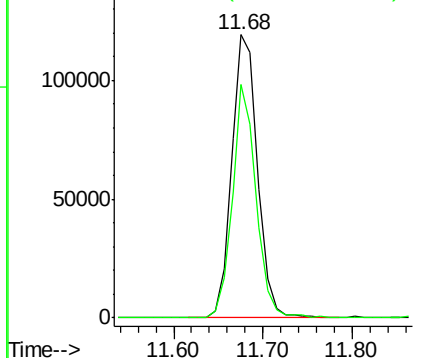


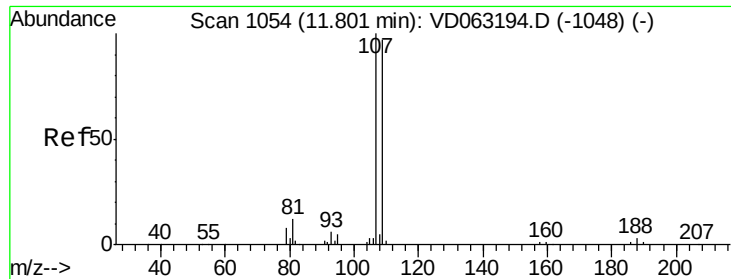
#60
Dibromochloromethane
Concen: 22.290 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 129 Resp: 242265
Ion Ratio Lower Upper
129 100
127 82.3 37.6 112.8



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

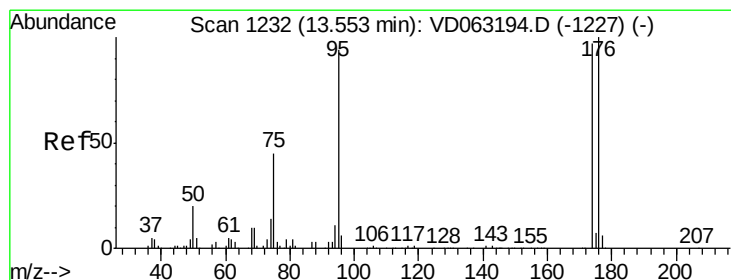
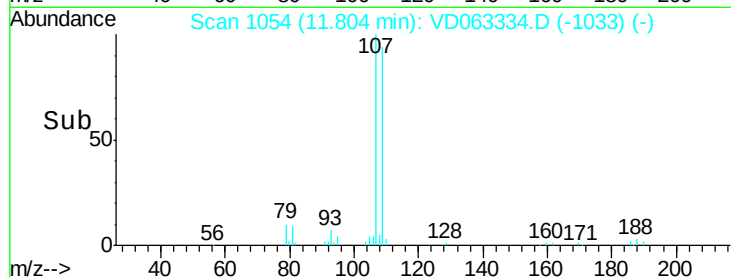
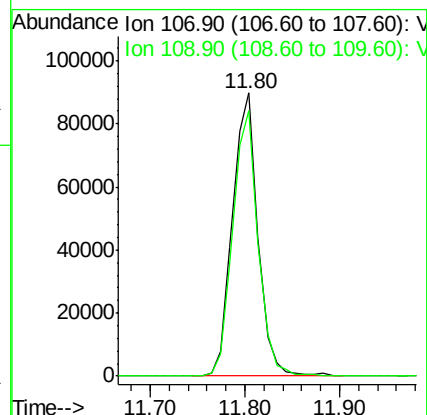
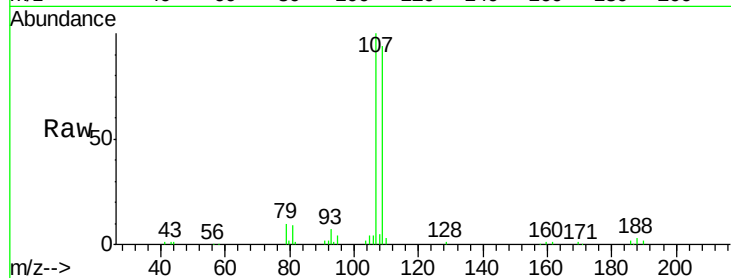




#61
 1,2-Dibromoethane
 Concen: 23.418 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

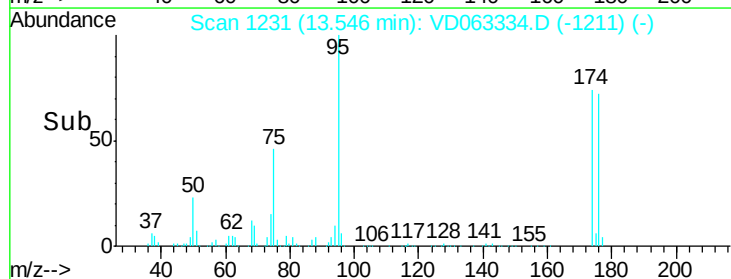
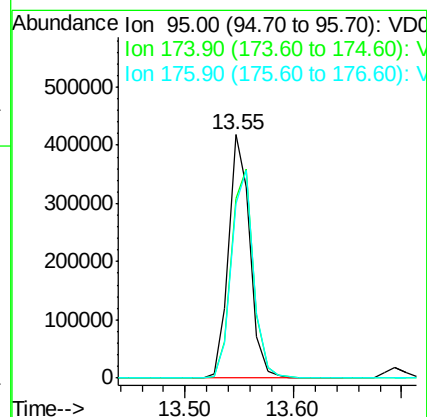
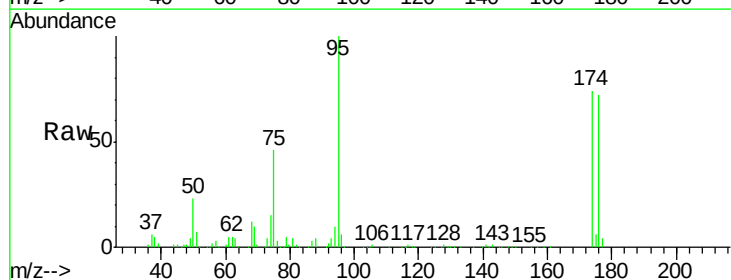
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

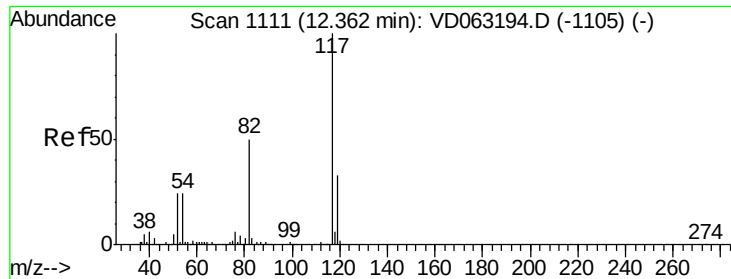
Tot Ion:107 Resp: 166365
 Ion Ratio Lower Upper
 107 100
 109 93.6 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 48.913 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion: 95 Resp: 570716
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 205.4
 176 71.8 0.0 211.8

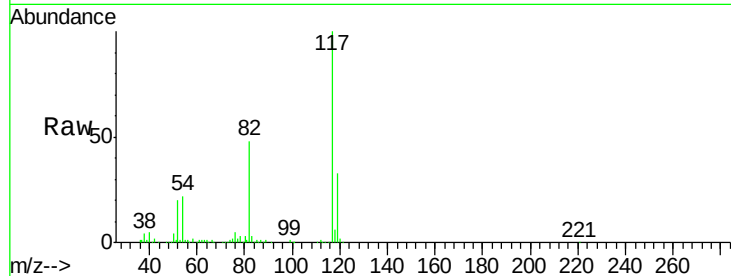




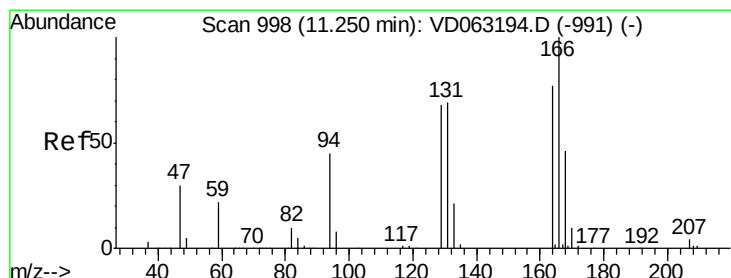
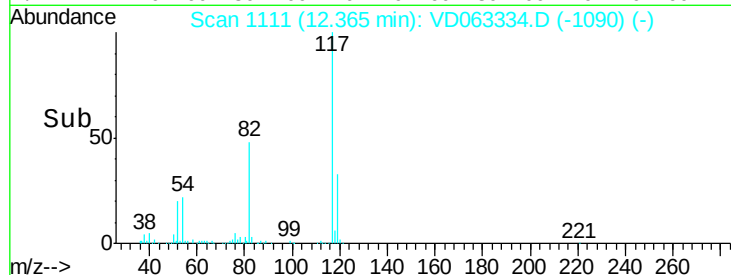
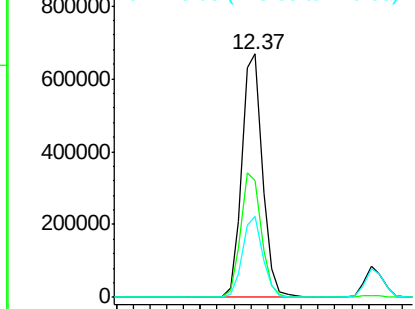
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

Tot Ion:117 Resp: 1146040
Ion Ratio Lower Upper
117 100
82 47.8 40.1 60.1
119 33.0 26.5 39.7

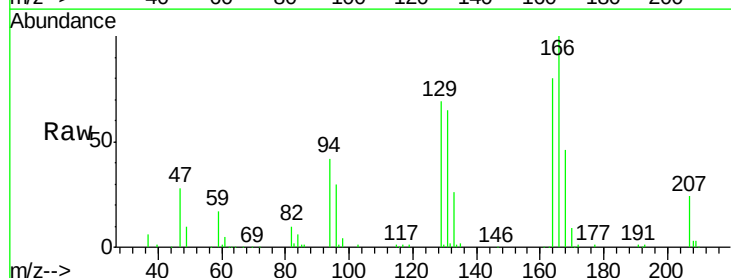


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

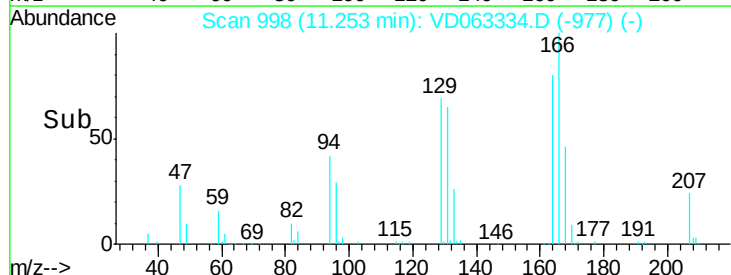
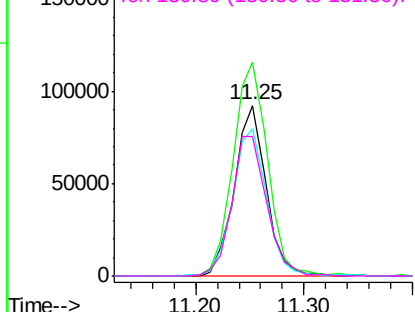


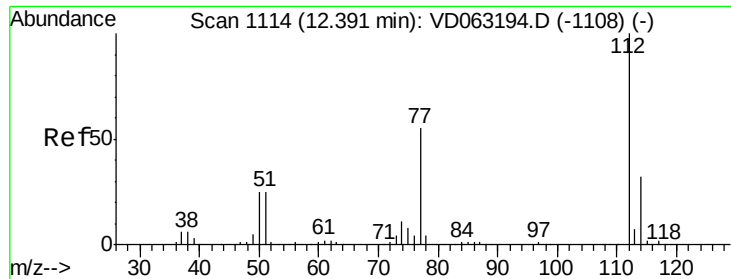
#64
Tetrachloroethene
Concen: 20.549 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion:164 Resp: 187612
Ion Ratio Lower Upper
164 100
166 125.3 104.3 156.5
129 86.2 70.9 106.3
131 81.7 71.6 107.4



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

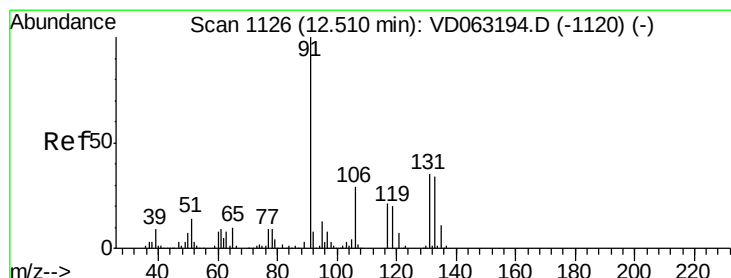
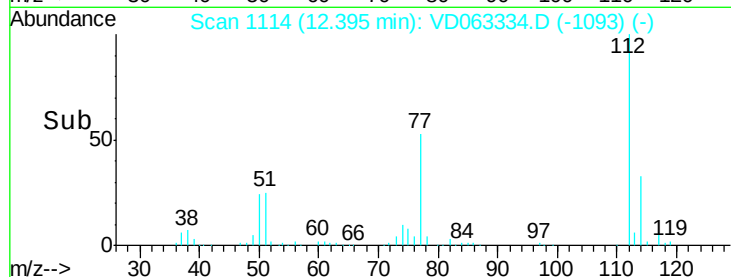
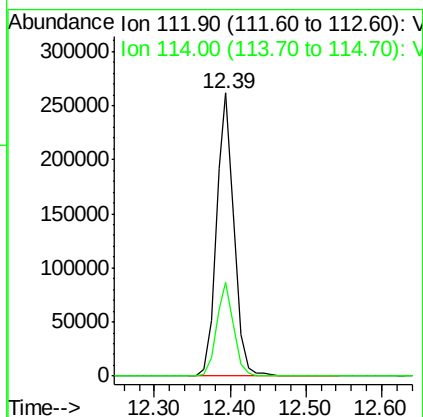
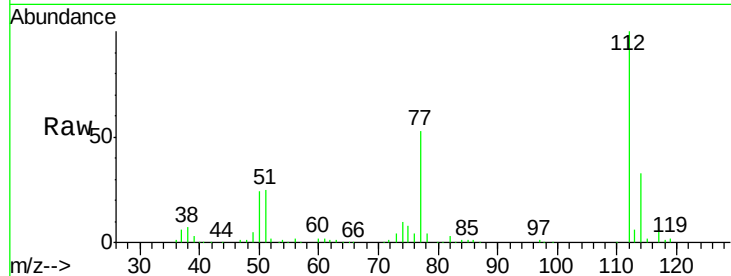




#65
Chlorobenzene
Concen: 19.292 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

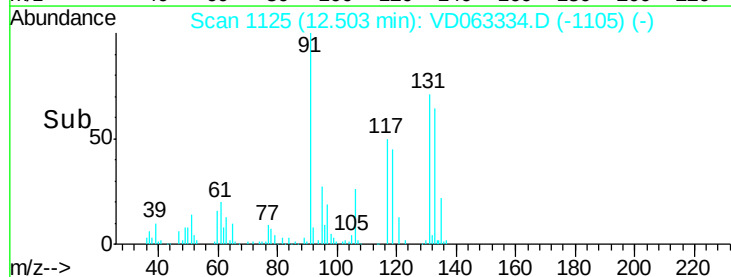
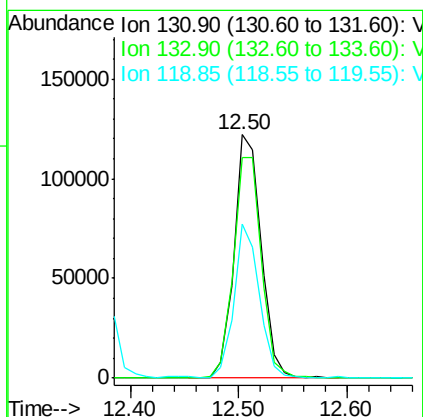
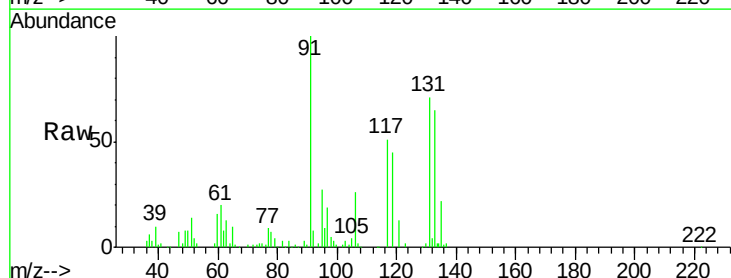
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

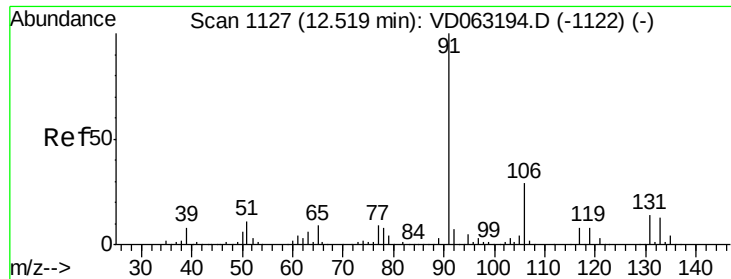
Tot Ion:112 Resp: 425262
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.849 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion:131 Resp: 212156
Ion Ratio Lower Upper
131 100
133 90.6 48.4 145.2
119 63.4 29.1 87.3

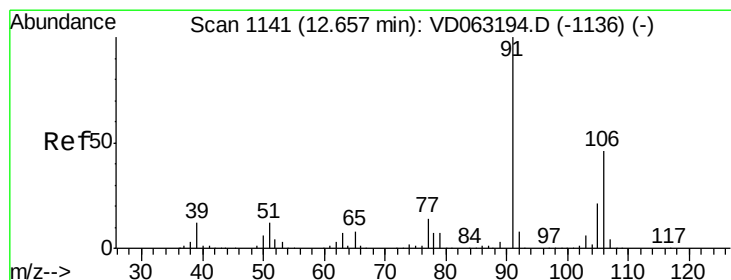
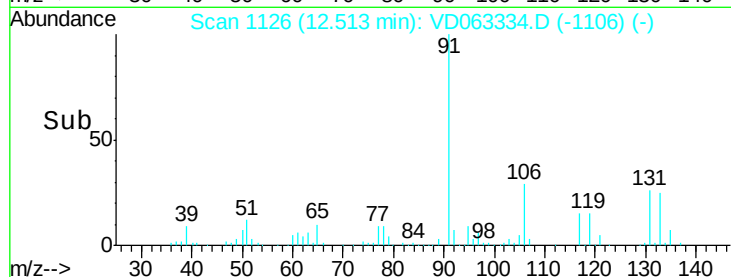
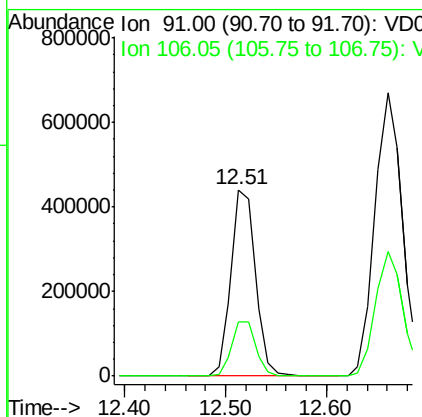
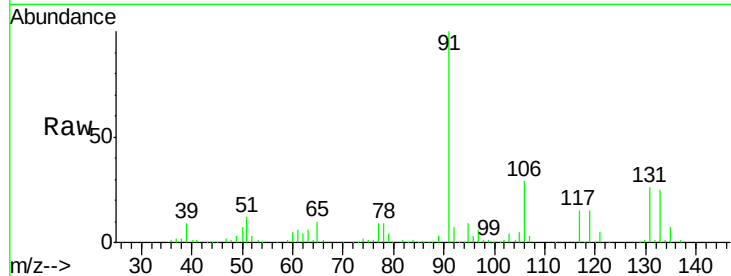




#67
Ethyl Benzene
Concen: 19.935 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

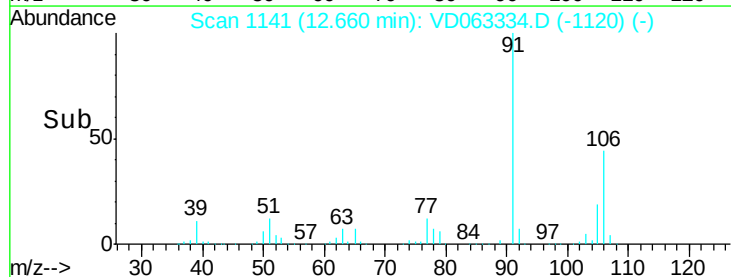
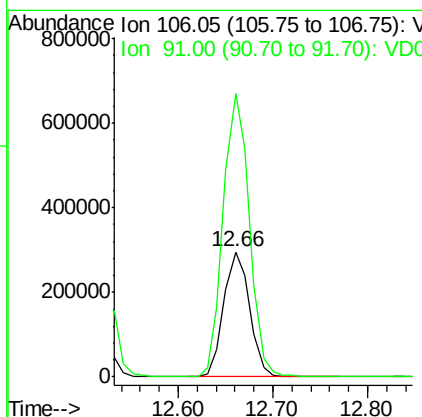
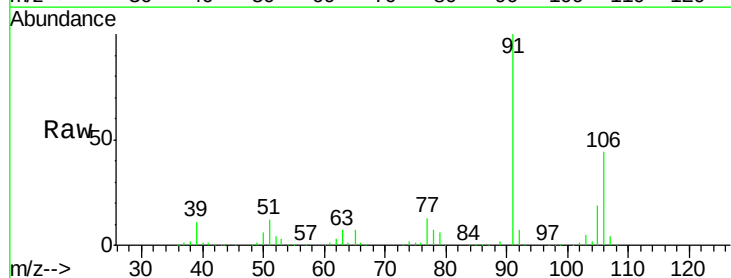
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

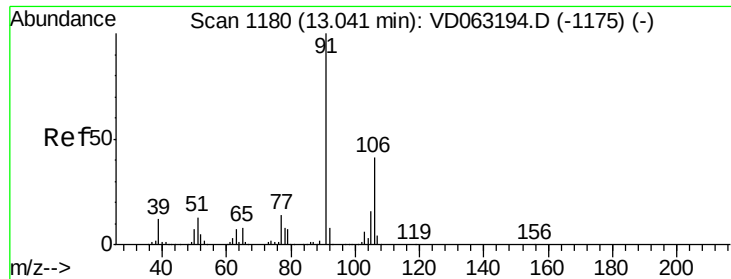
Tot Ion: 91 Resp: 746503
Ion Ratio Lower Upper
91 100
106 29.3 22.9 34.3



#68
m/p-Xylenes
Concen: 41.014 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 106 Resp: 563238
Ion Ratio Lower Upper
106 100
91 226.2 172.6 259.0

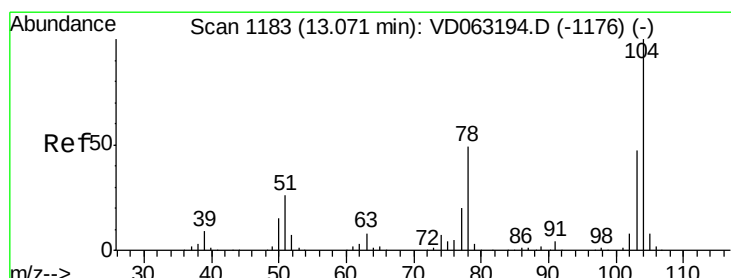
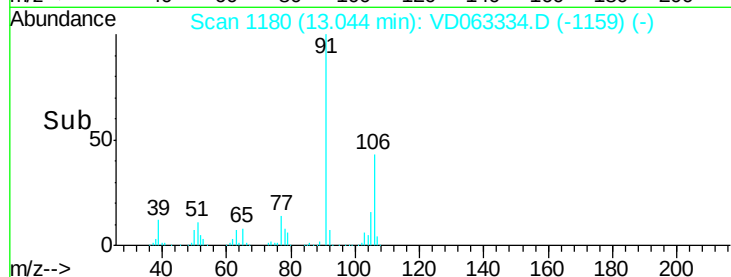
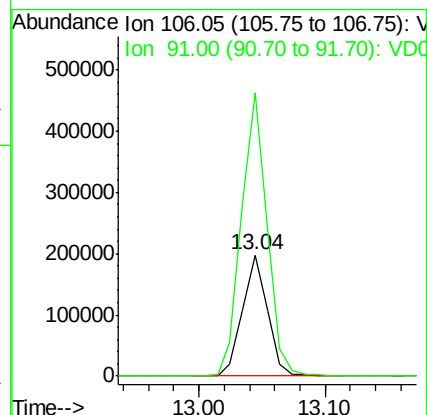
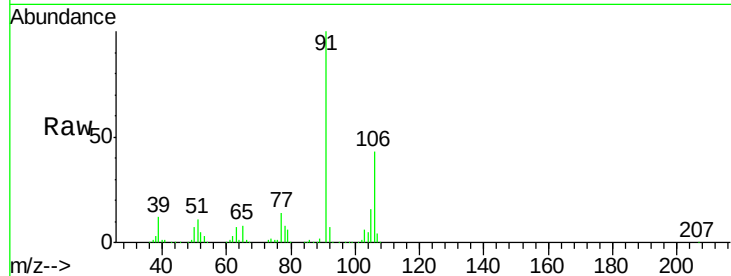




#69
o-Xylene
Concen: 21.499 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

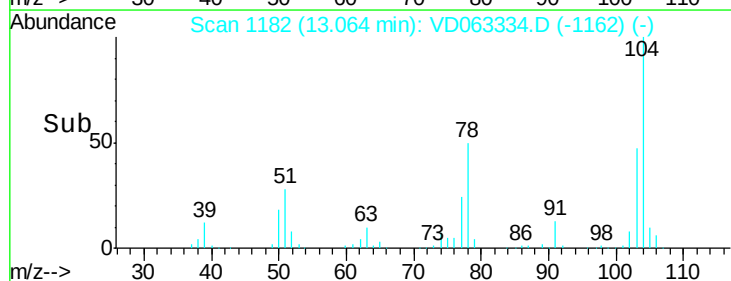
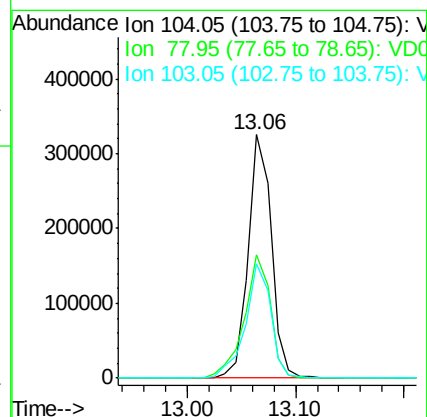
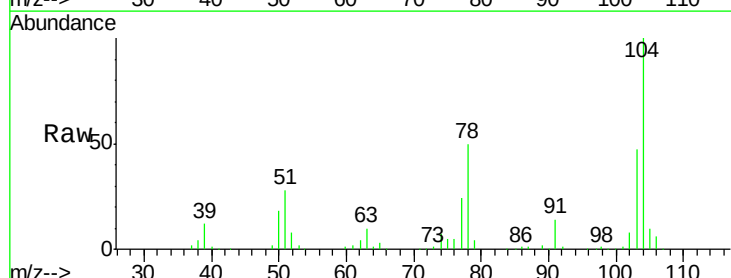
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

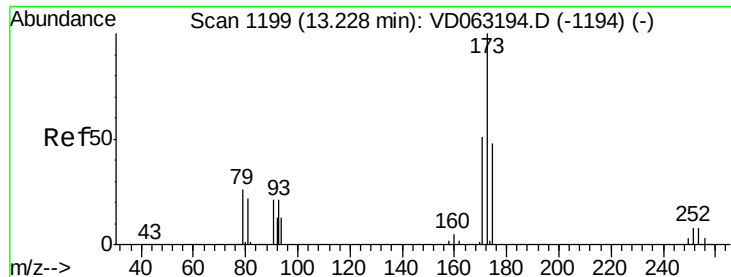
Tot Ion:106 Resp: 271129
Ion Ratio Lower Upper
106 100
91 233.1 121.3 363.9



#70
Styrene
Concen: 21.725 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion:104 Resp: 485865
Ion Ratio Lower Upper
104 100
78 50.5 39.4 59.0
103 46.9 37.4 56.2

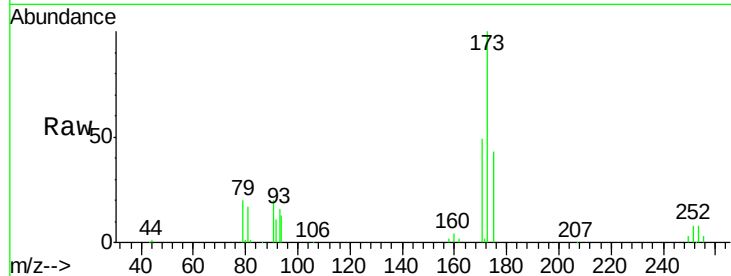




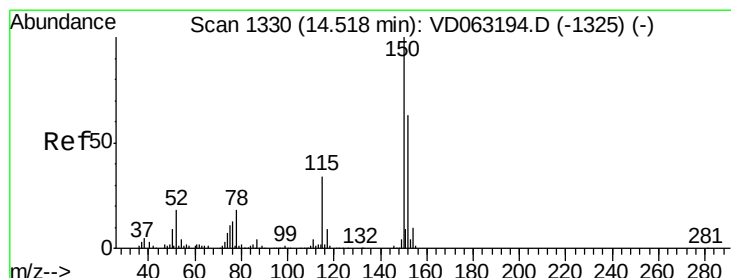
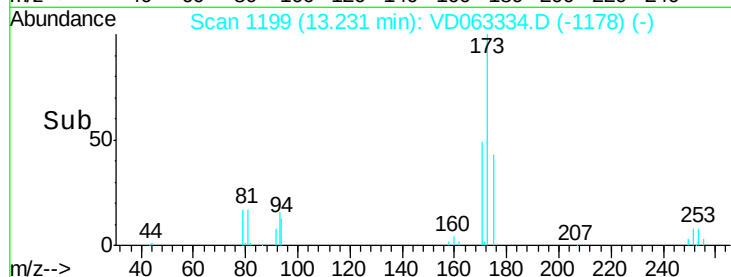
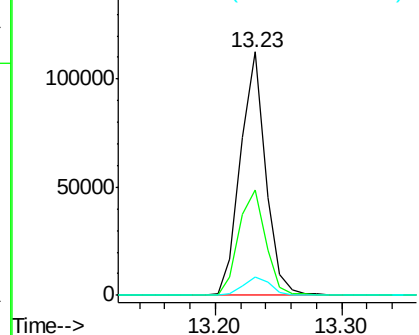
#71
Bromoform
Concen: 22.020 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

Tot Ion:173 Resp: 155486
Ion Ratio Lower Upper
173 100
175 43.4 23.8 71.5
254 7.6 6.6 10.0

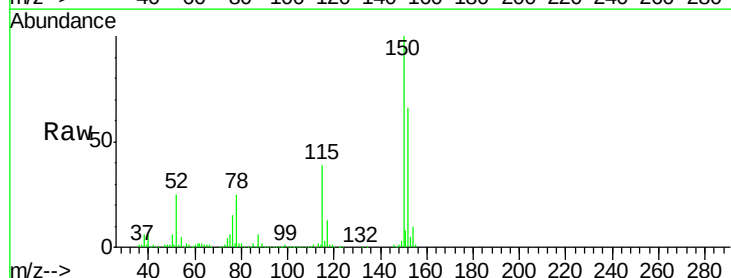


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

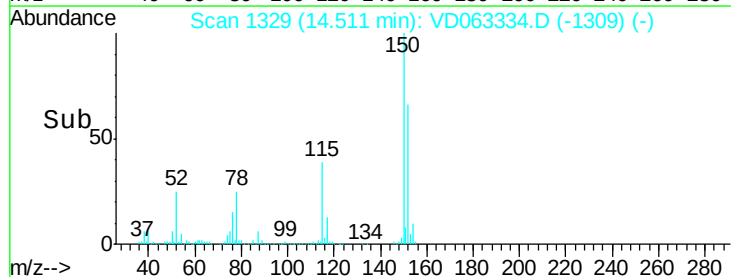
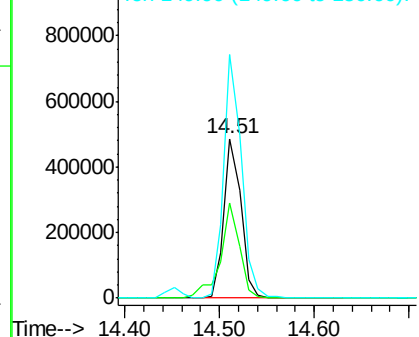


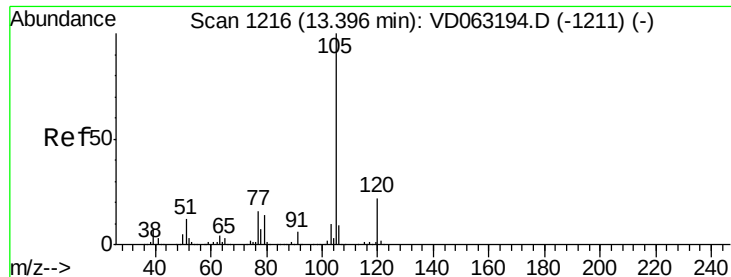
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion:152 Resp: 609772
Ion Ratio Lower Upper
152 100
115 59.7 27.5 82.4
150 152.7 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: 20.308 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

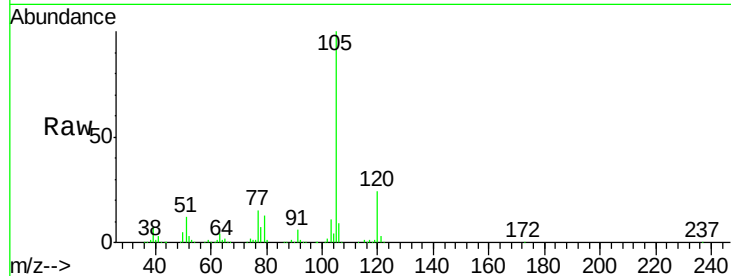
VD0802SBSD02

Tot Ion: 105 Resp: 777217

Ion Ratio Lower Upper

105 100

120 23.7 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

500000

400000

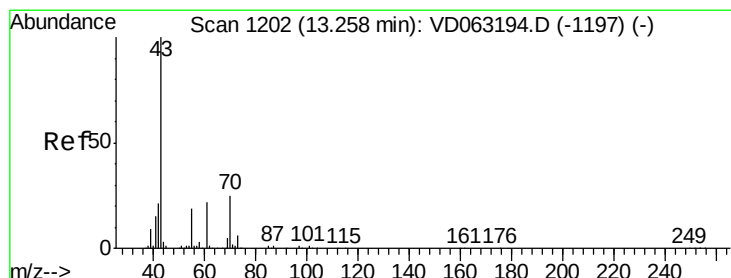
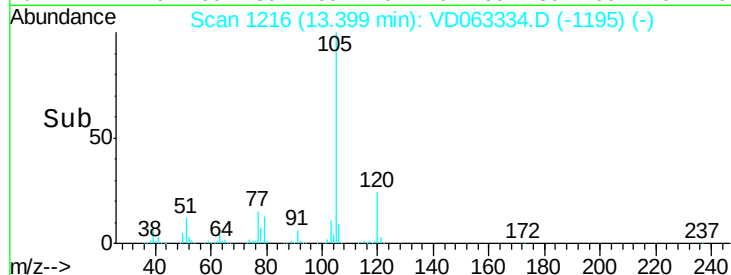
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.146 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Tgt Ion: 43 Resp: 203825

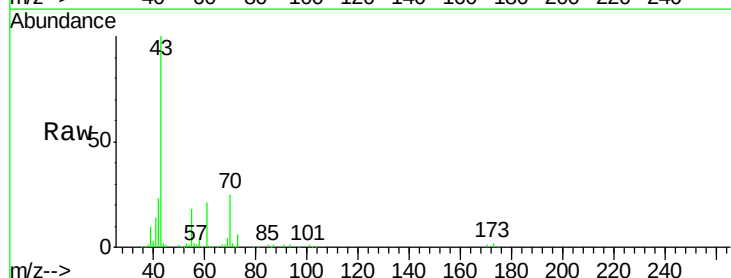
Ion Ratio Lower Upper

43 100

70 24.8 20.2 30.4

55 18.5 14.9 22.3

61 21.4 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

250000

200000

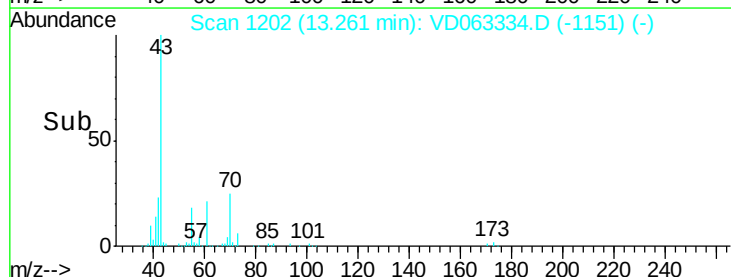
150000

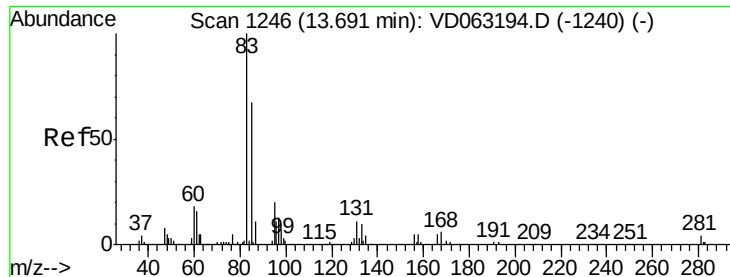
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 22.125 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

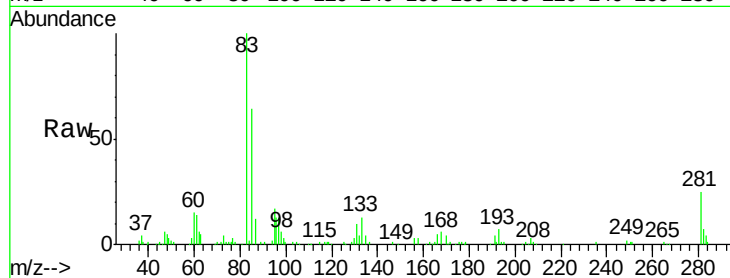
Tot Ion: 83 Resp: 143831

Ion Ratio Lower Upper

83 100

131 9.6 5.5 16.7

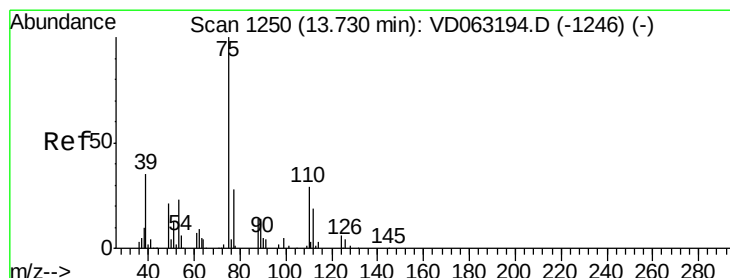
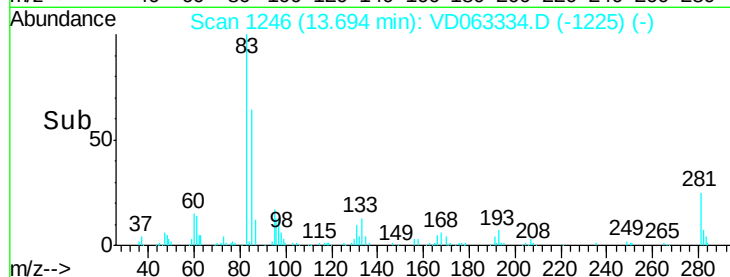
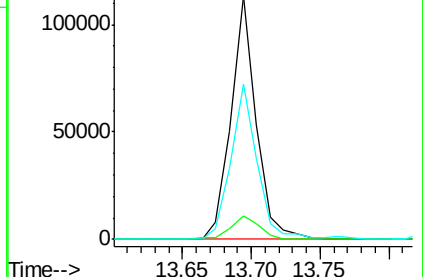
85 63.8 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 21.465 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063334.D

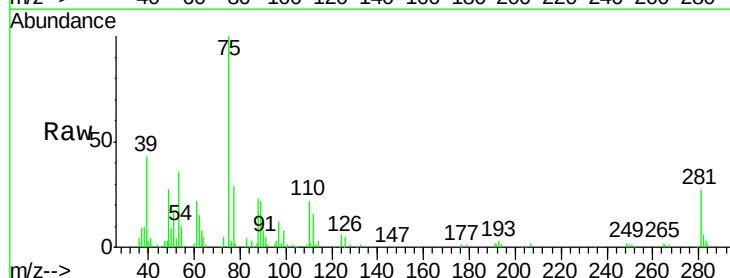
Acq: 3 Aug 2019 1:01

Tgt Ion: 75 Resp: 157213

Ion Ratio Lower Upper

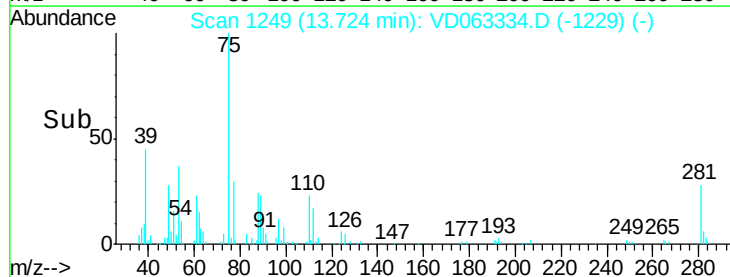
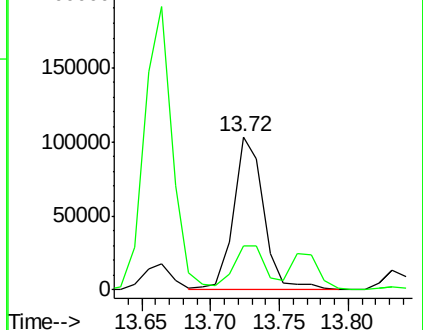
75 100

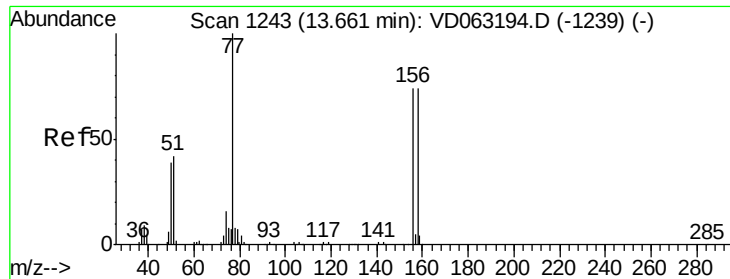
77 28.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

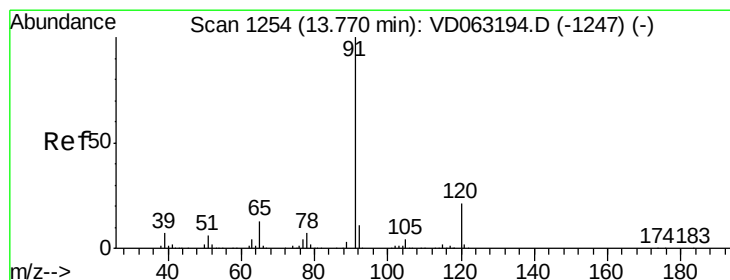
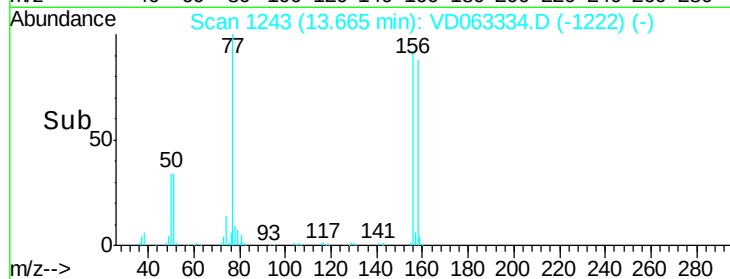
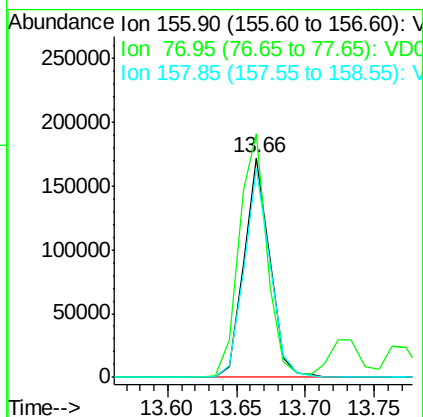
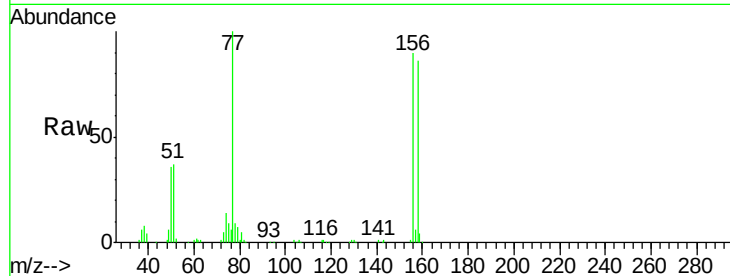




#77
Bromobenzene
Concen: 20.652 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

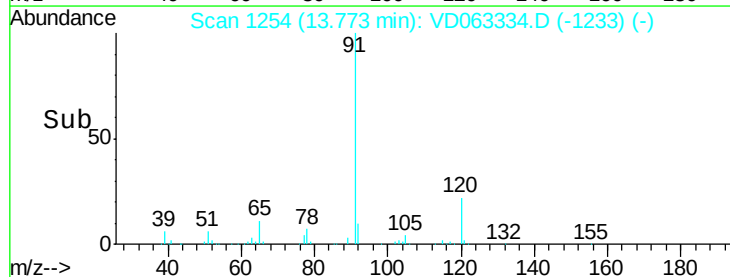
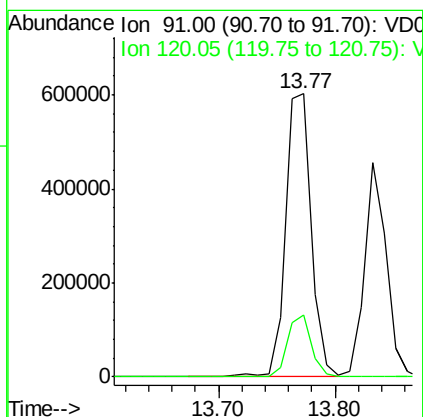
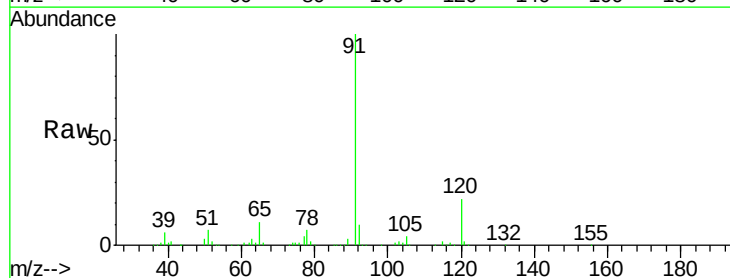
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

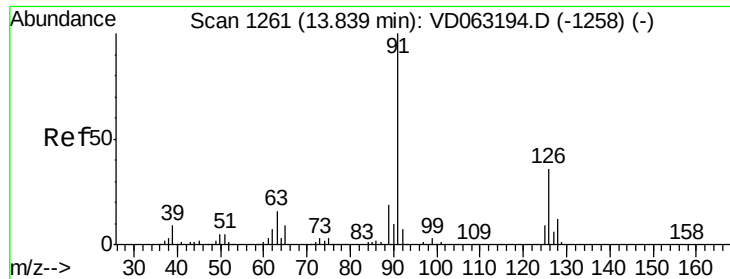
Tot Ion:156 Resp: 225150
Ion Ratio Lower Upper
156 100
77 110.8 67.6 202.8
158 95.3 49.8 149.4



#78
n-propylbenzene
Concen: 20.040 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion: 91 Resp: 912701
Ion Ratio Lower Upper
91 100
120 21.8 10.7 32.1

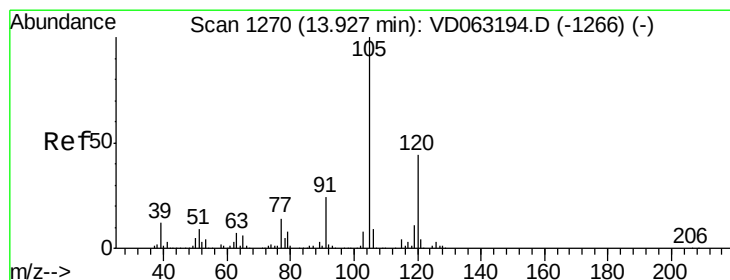
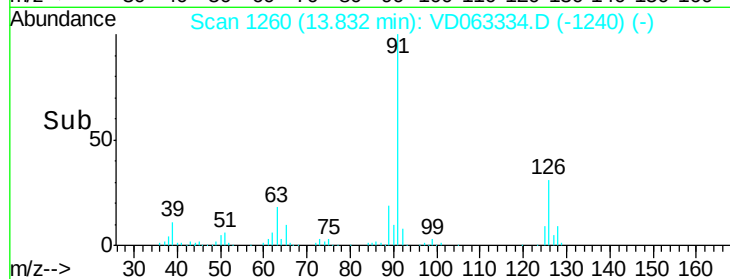
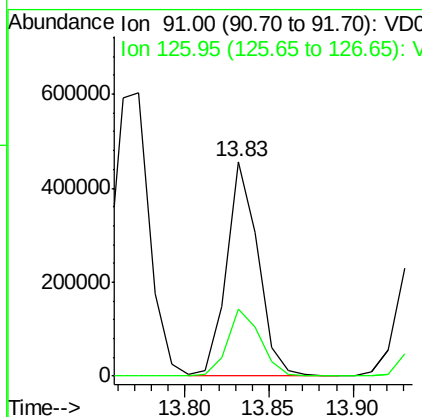
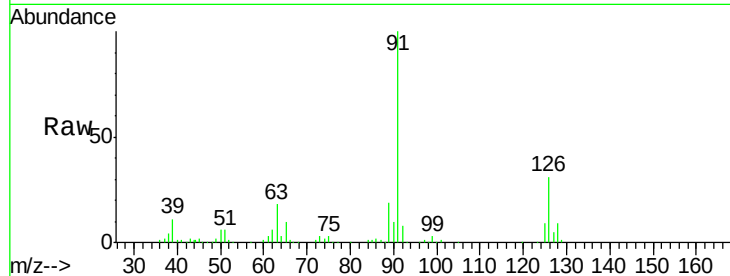




#79
 2-Chlorotoluene
 Concen: 22.269 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

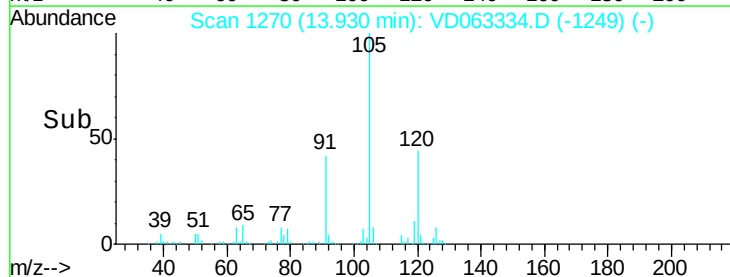
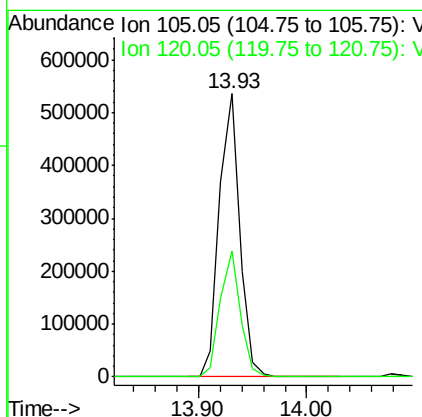
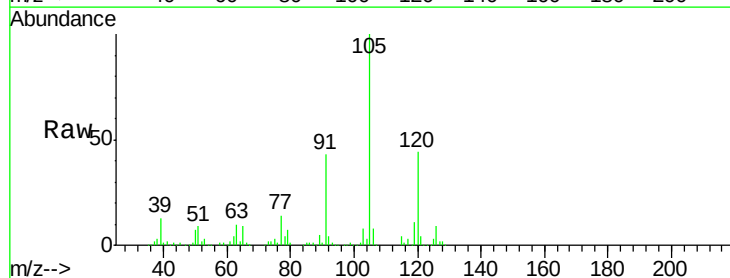
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

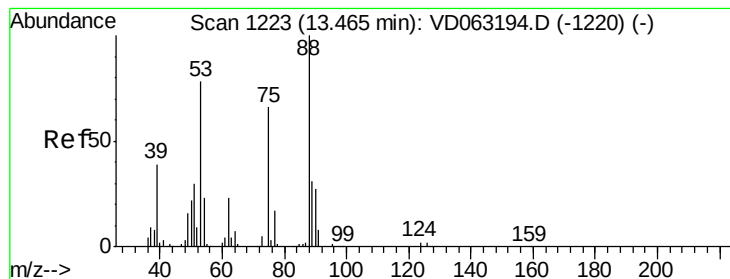
Tot Ion: 91 Resp: 587661
 Ion Ratio Lower Upper
 91 100
 126 31.4 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.310 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion: 105 Resp: 703414
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.566 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBS02

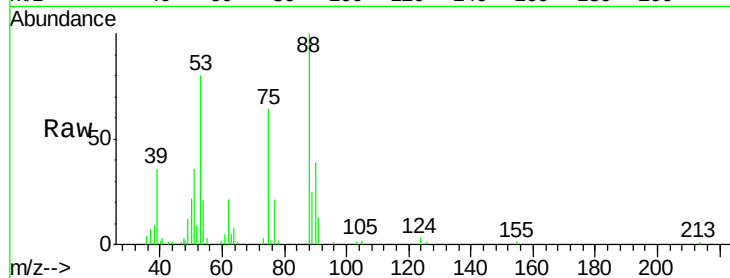
Tot Ion: 75 Resp: 39793

Ion Ratio Lower Upper

75 100

53 125.2 94.9 142.3

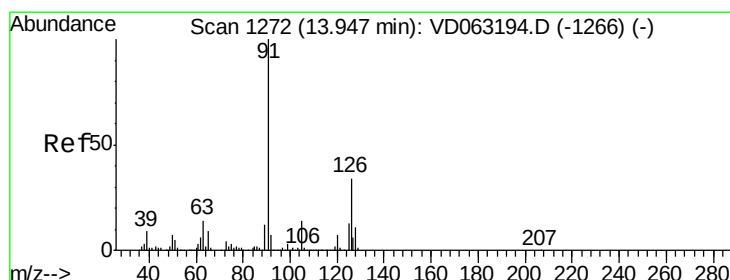
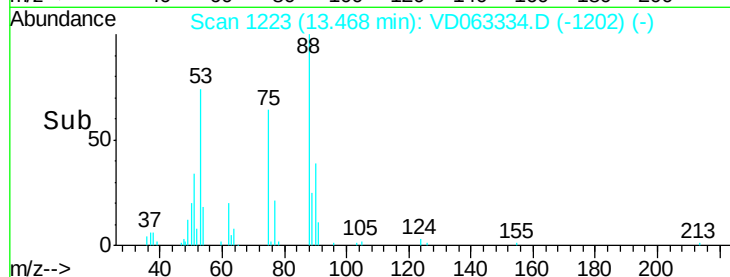
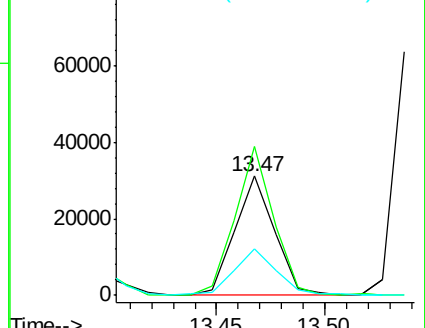
89 39.1 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.641 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063334.D

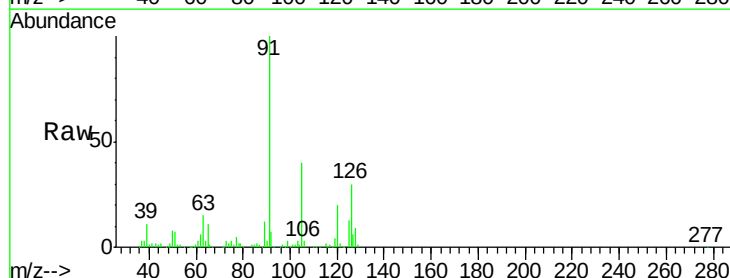
Acq: 3 Aug 2019 1:01

Tgt Ion: 91 Resp: 672104

Ion Ratio Lower Upper

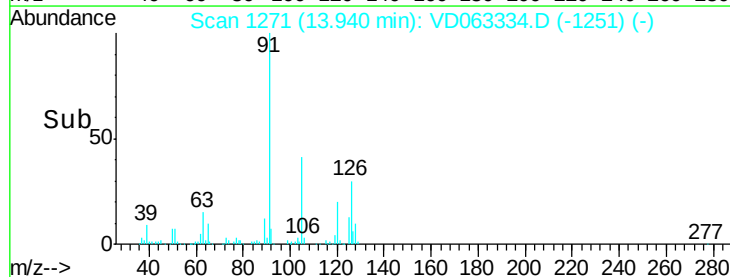
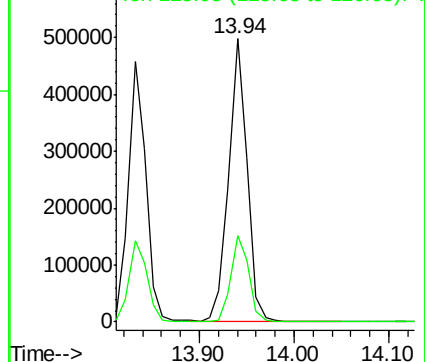
91 100

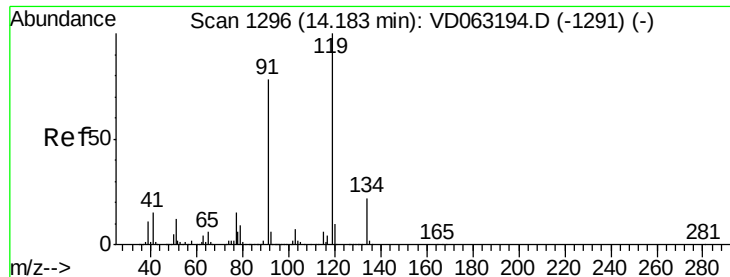
126 30.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

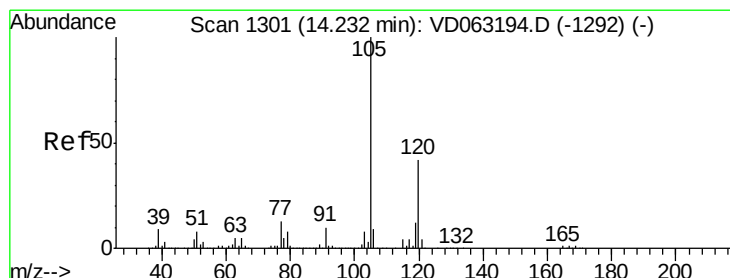
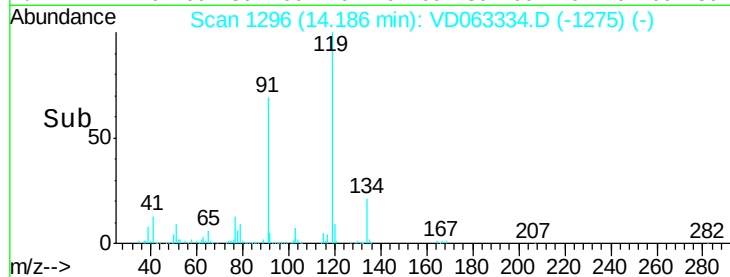
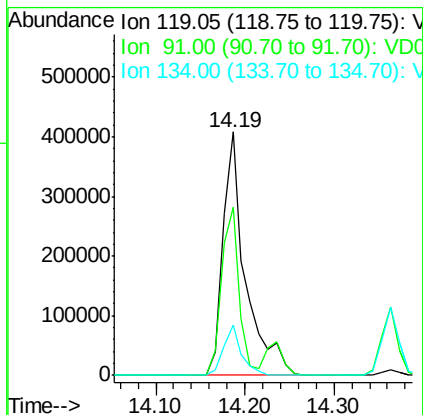
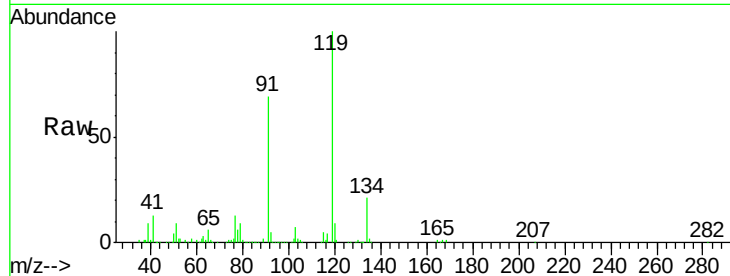




#83
 tert-Butylbenzene
 Concen: 19.203 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

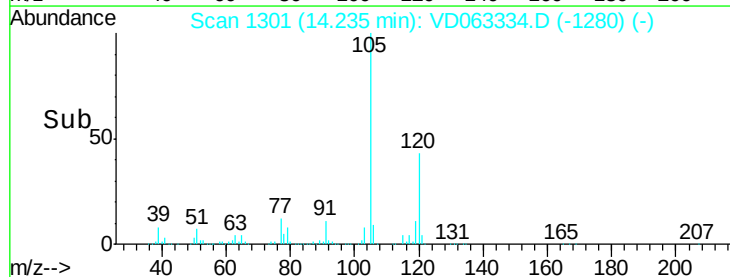
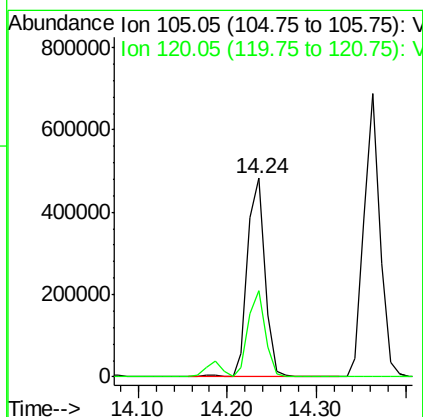
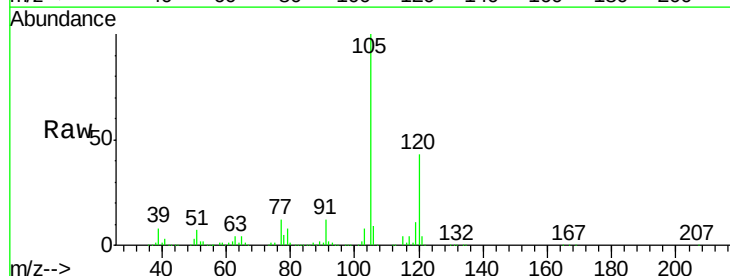
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

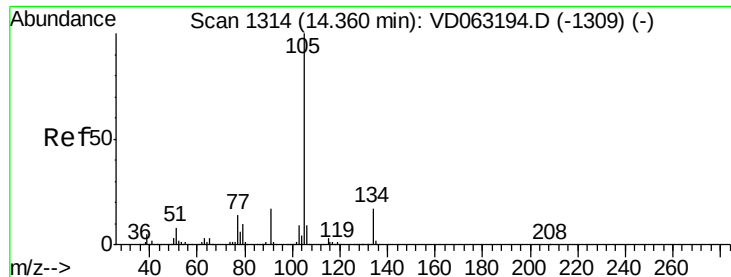
Tot Ion:119 Resp: 723761
 Ion Ratio Lower Upper
 119 100
 91 69.1 39.1 117.5
 134 20.5 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.250 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion:105 Resp: 657237
 Ion Ratio Lower Upper
 105 100
 120 43.2 20.9 62.7





#85

sec-Butylbenzene

Concen: 21.474 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

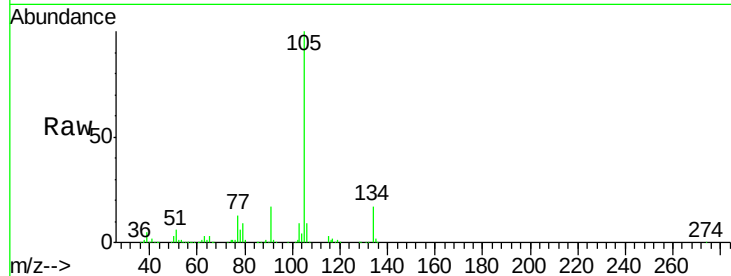
VD0802SBSD02

Tot Ion:105 Resp: 852731

Ion Ratio Lower Upper

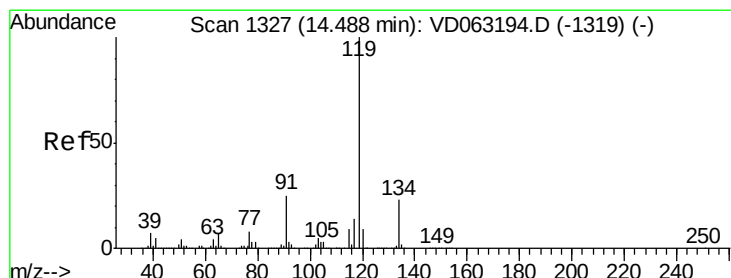
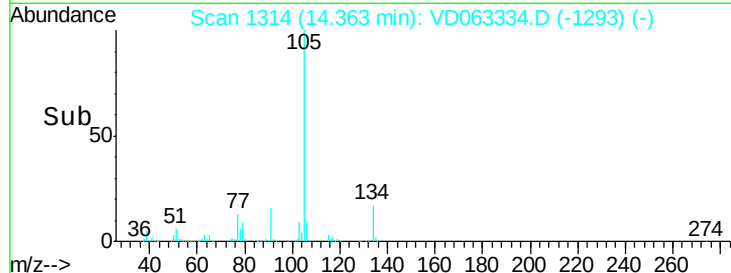
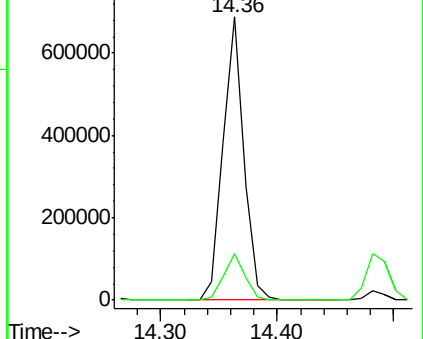
105 100

134 16.6 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: 18.429 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

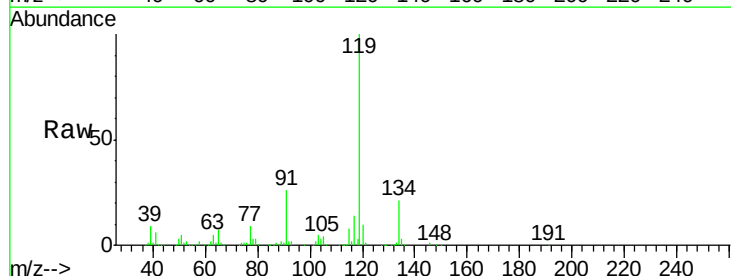
Tgt Ion:119 Resp: 698457

Ion Ratio Lower Upper

119 100

134 20.7 11.5 34.5

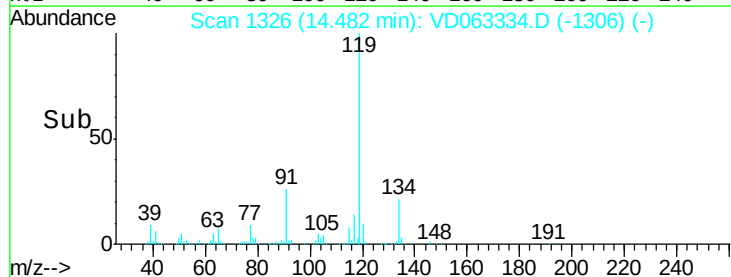
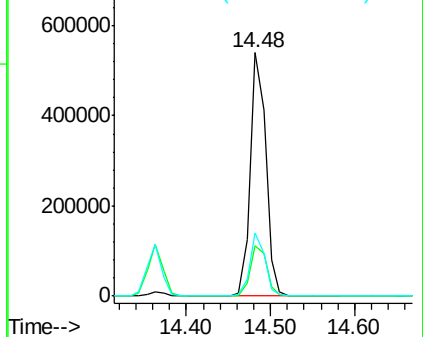
91 26.2 12.6 37.6

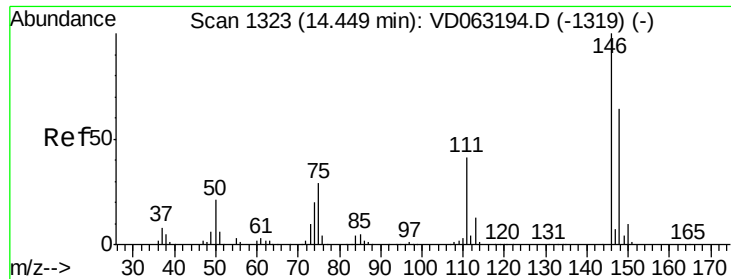


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

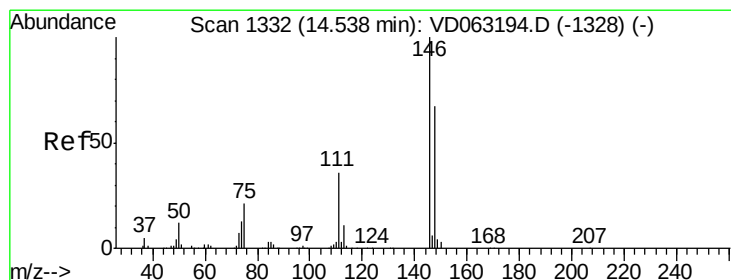
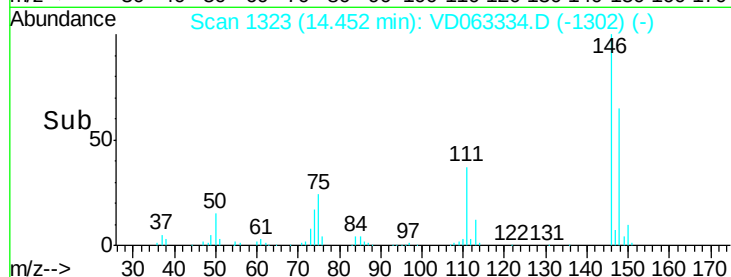
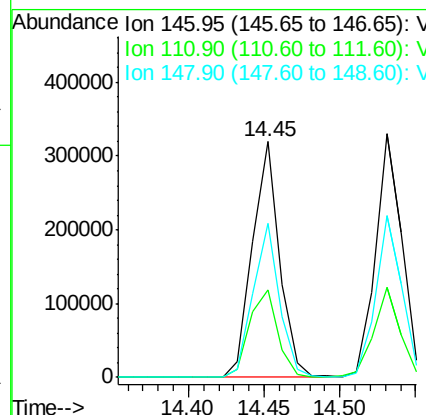
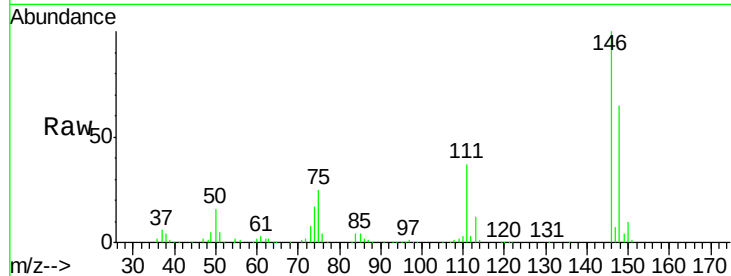




#87
 1,3-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

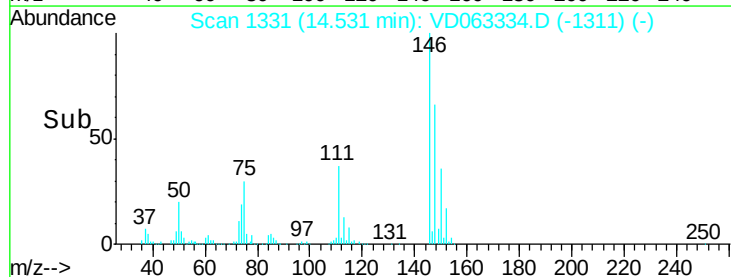
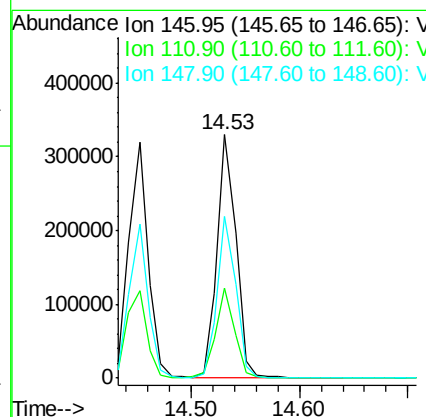
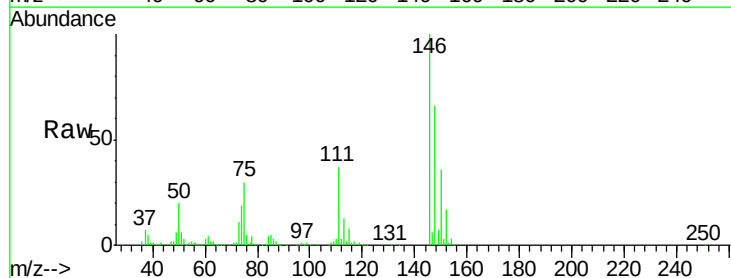
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

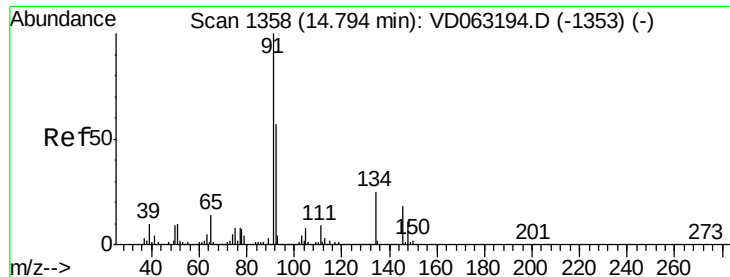
Tot Ion:146 Resp: 399674
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.4 61.3
 148 65.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.685 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion:146 Resp: 403839
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.3
 148 66.2 33.4 100.1





#89

n-Butylbenzene

Concen: 20.827 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063334.D

Acq: 3 Aug 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD02

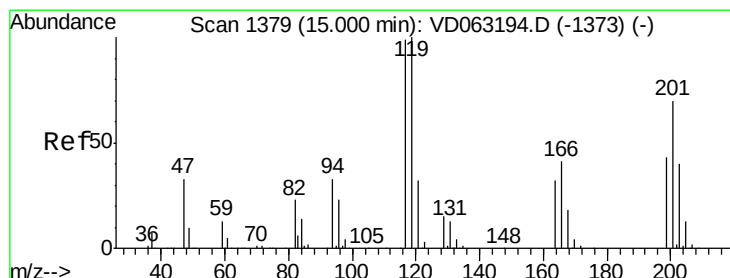
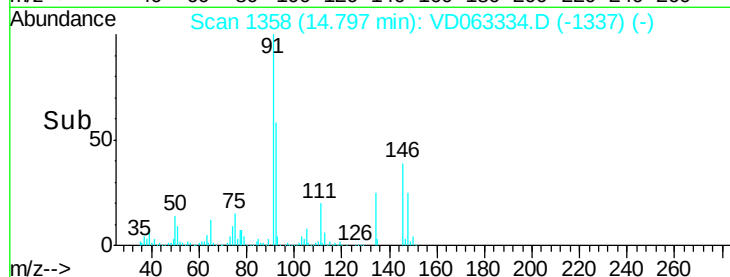
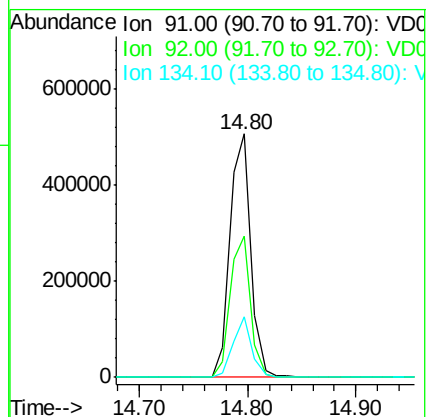
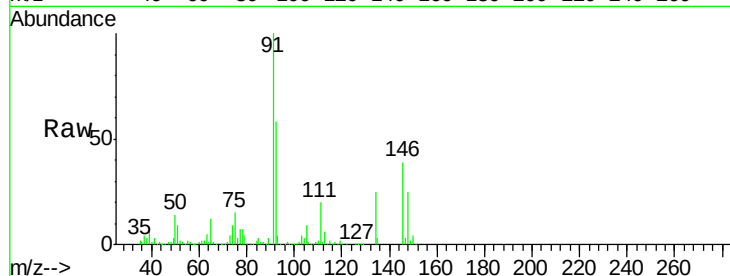
Tot Ion: 91 Resp: 681751

Ion Ratio Lower Upper

91 100

92 57.8 28.3 85.0

134 25.0 12.3 36.8



#90

Hexachloroethane

Concen: 19.547 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063334.D

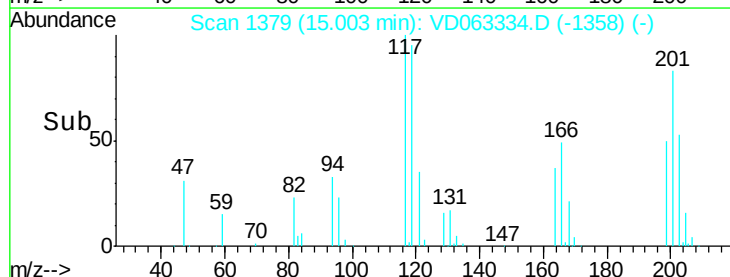
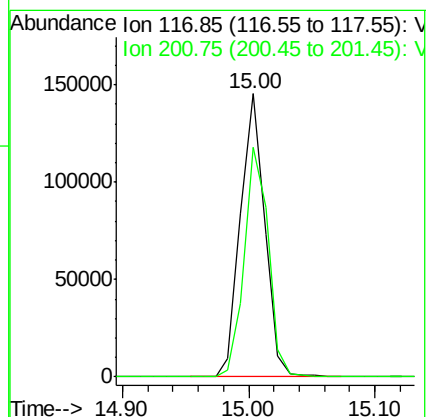
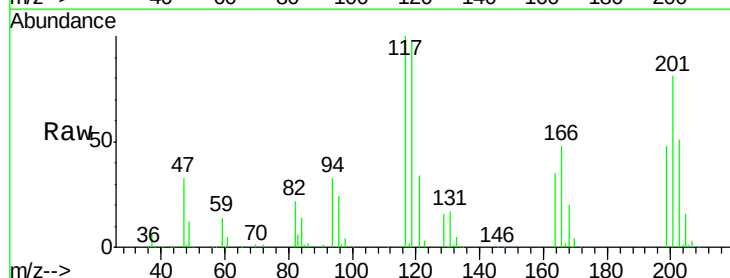
Acq: 3 Aug 2019 1:01

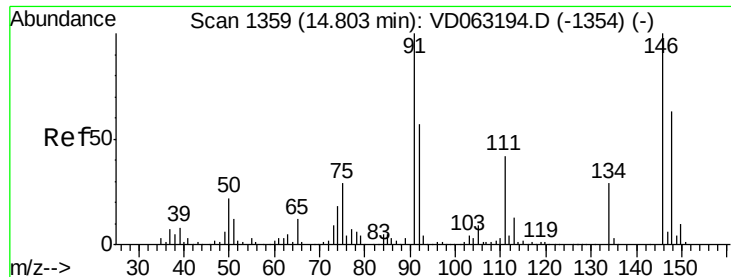
Tgt Ion: 117 Resp: 193018

Ion Ratio Lower Upper

117 100

201 80.9 35.2 105.6

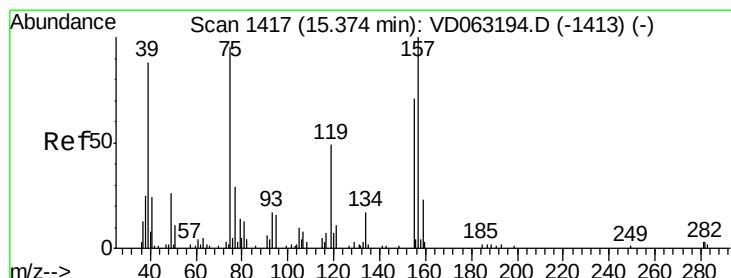
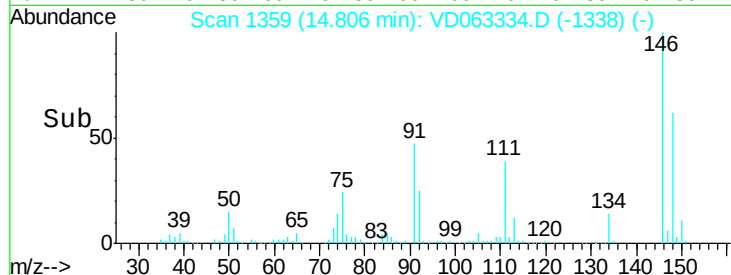
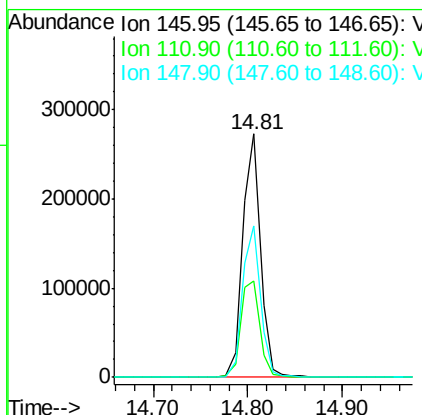
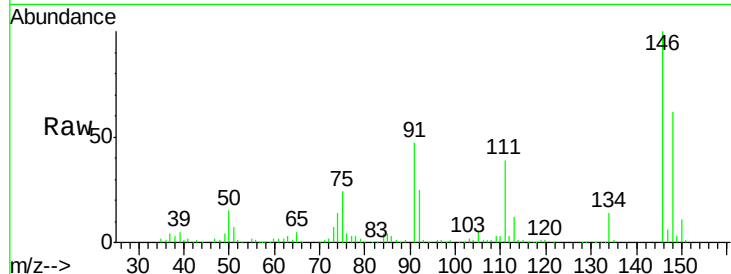




#91
 1,2-Dichlorobenzene
 Concen: 21.081 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

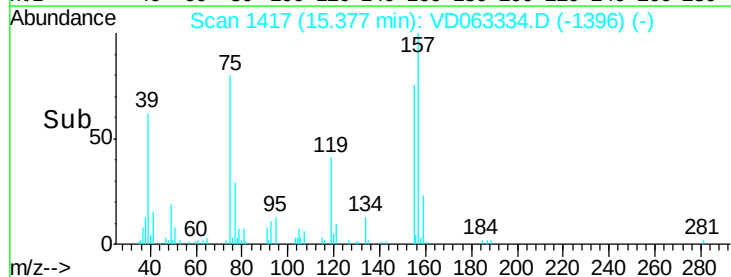
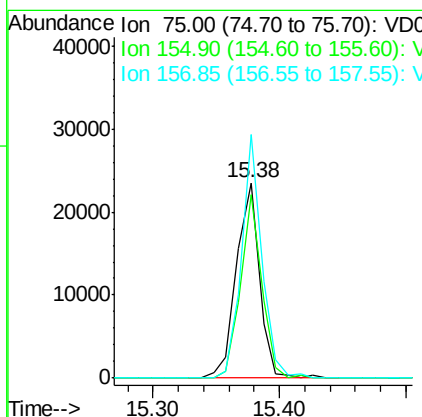
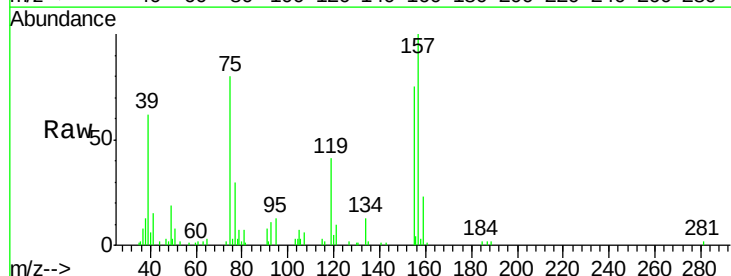
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

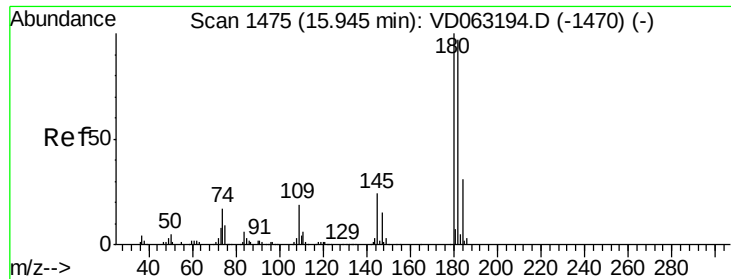
Tot Ion:146 Resp: 354616
 Ion Ratio Lower Upper
 146 100
 111 39.5 21.1 63.3
 148 62.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.251 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion: 75 Resp: 29465
 Ion Ratio Lower Upper
 75 100
 155 93.5 37.0 111.0
 157 124.5 52.4 157.2

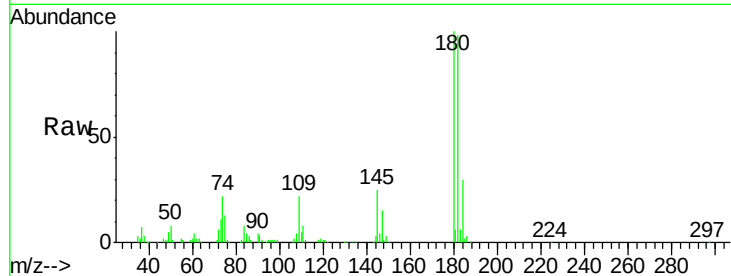




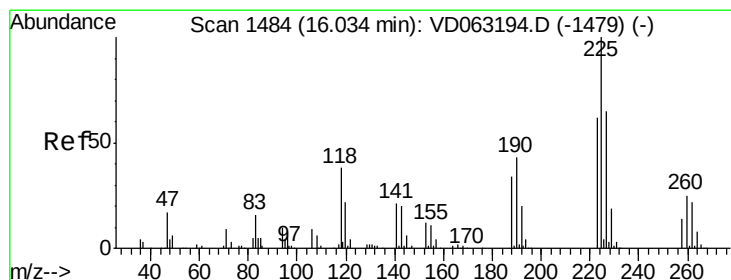
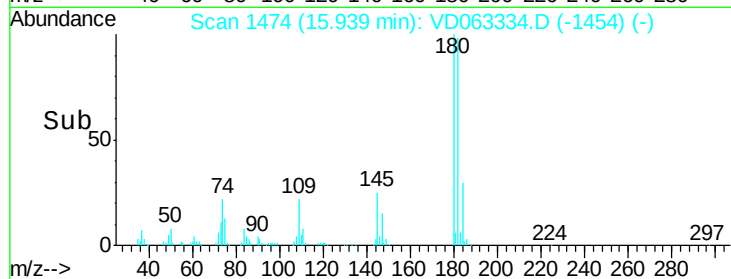
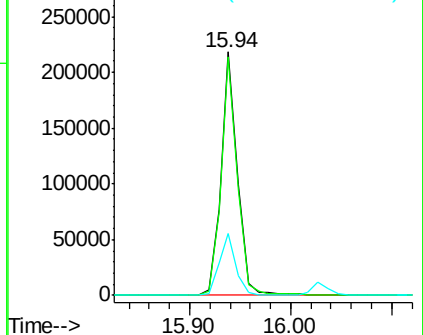
#93
 1,2,4-Trichlorobenzene
 Concen: 18.644 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.6	145.8
145	25.5	12.2	36.6

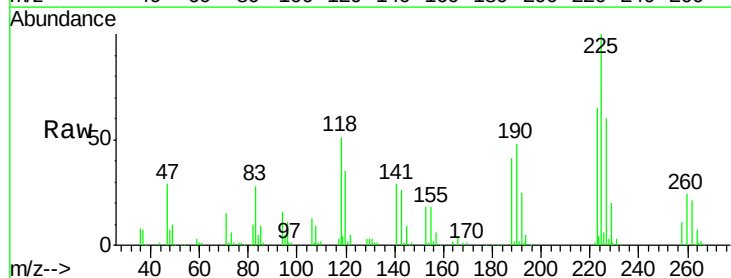


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

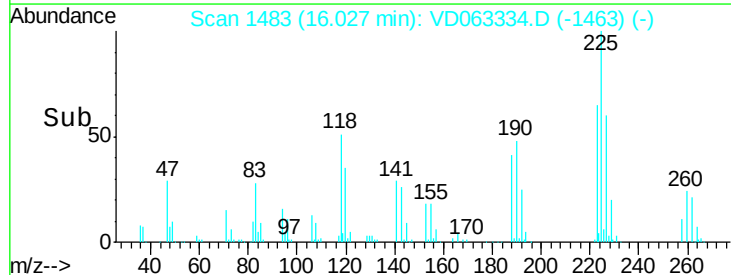
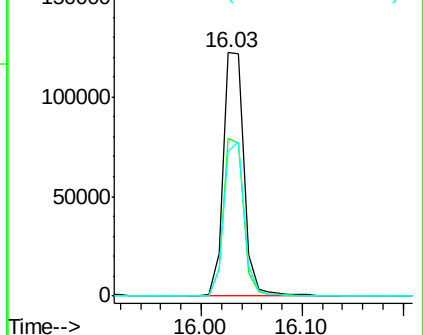


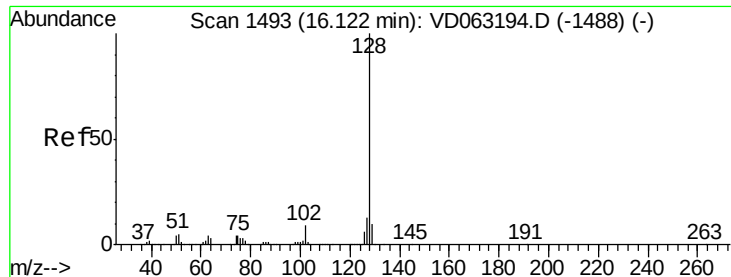
#94
 Hexachlorobutadiene
 Concen: 18.121 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063334.D
 Acq: 3 Aug 2019 1:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	30.9	92.5
227	59.5	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

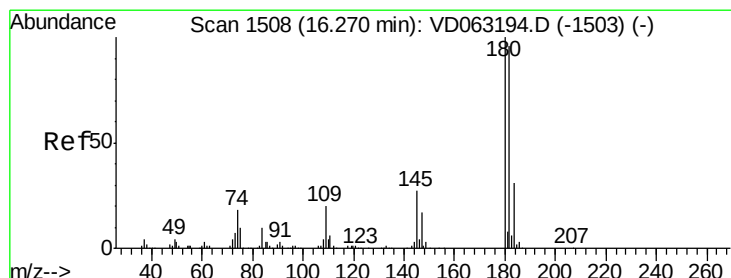
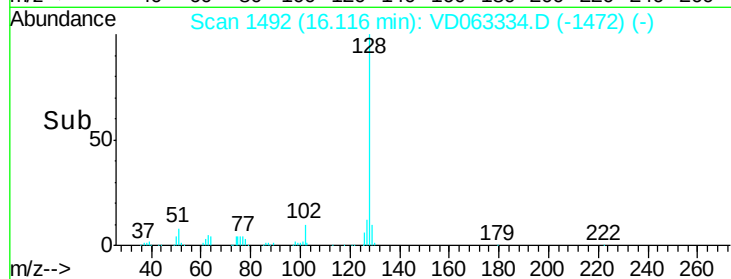
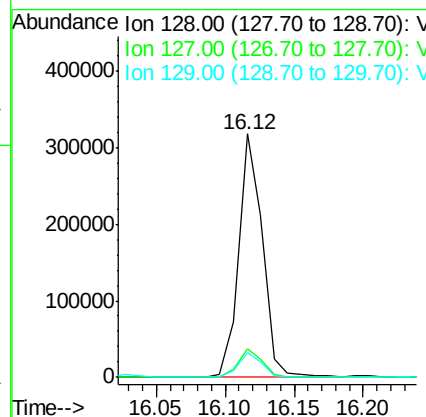
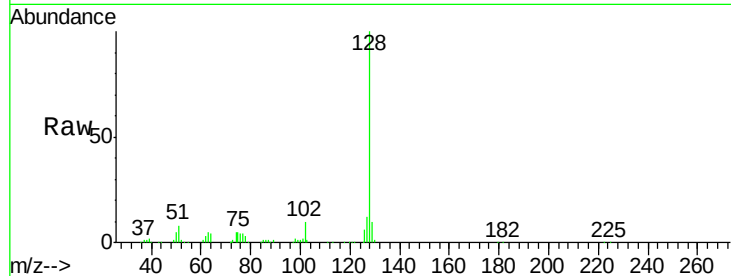




#95
Naphthalene
Concen: 20.235 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD02

Tot Ion:128 Resp: 381659
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 10.1 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 18.878 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063334.D
Acq: 3 Aug 2019 1:01

Tgt Ion:180 Resp: 199022
Ion Ratio Lower Upper
180 100
182 95.2 48.3 144.9
145 30.7 13.6 40.7

