

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063356.D
 Acq On : 3 Aug 2019 12:52
 Operator : VA/AP
 Sample : VD0803SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

Quant Time: Aug 04 06:06:23 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	1077931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1432952	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1230858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	647329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	602380	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	6.92	113	685052	55.99	ug/l	0.01
Spiked Amount			Recovery	=	111.98%	
50) Toluene-d8	10.41	98	1440685	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	13.56	95	602867	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	275503	20.909	ug/l	98
3) Chloromethane	1.74	50	221946	21.680	ug/l	92
4) Vinyl Chloride	1.84	62	219351	20.698	ug/l	99
5) Bromomethane	2.15	94	80854	15.127	ug/l	98
6) Chloroethane	2.25	64	87162	17.814	ug/l #	87
7) Trichlorofluoromethane	2.52	101	417762	20.319	ug/l	92
8) Diethyl Ether	2.86	74	52509	18.249	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.14	101	241287	21.186	ug/l	98
10) Methyl Iodide	3.30	142	290102	17.633	ug/l #	93
11) Tert butyl alcohol	4.09	59	48006	91.459	ug/l #	79
12) 1,1-Dichloroethene	3.11	96	181865	21.752	ug/l	94
13) Acrolein	3.02	56	37802	74.832	ug/l	99
14) Allyl chloride	3.61	41	262322	19.695	ug/l	85
15) Acrylonitrile	4.19	53	147301	108.244	ug/l	96
16) Acetone	3.22	43	237478	101.904	ug/l	100
17) Carbon Disulfide	3.36	76	568442	20.313	ug/l	99
18) Methyl Acetate	3.63	43	96542	21.567	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	398224	21.086	ug/l	98
20) Methylene Chloride	3.80	84	196908	20.904	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	205527	21.908	ug/l	91
22) Diisopropyl ether	5.12	45	537181	20.187	ug/l	97
23) Vinyl Acetate	5.05	43	1662165	101.616	ug/l	100
24) 1,1-Dichloroethane	4.98	63	339680	19.984	ug/l	99
25) 2-Butanone	6.06	43	245235	104.857	ug/l	97
26) 2,2-Dichloropropane	6.00	77	346291	19.770	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	209536	20.833	ug/l	93
28) Bromochloromethane	6.43	49	135736	20.043	ug/l #	89
29) Tetrahydrofuran	6.45	42	119997	108.371	ug/l	98
30) Chloroform	6.65	83	429140	20.344	ug/l	92
31) Cyclohexane	6.94	56	218253	20.485	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	417842	20.479	ug/l	98
36) 1,1-Dichloropropene	7.14	75	290283	22.197	ug/l	99
37) Ethyl Acetate	6.17	43	125654	21.387	ug/l	95
38) Carbon Tetrachloride	7.11	117	400179	20.326	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	236042	21.664	ug/l	92
40) Benzene	7.44	78	600690	21.917	ug/l	99
41) Methacrylonitrile	6.45	41	150660	21.437	ug/l #	84
42) 1,2-Dichloroethane	7.57	62	285643	19.665	ug/l	100
43) Isopropyl Acetate	9.23	43	171647	22.871	ug/l #	97
44) Trichloroethene	8.53	130	234493	21.114	ug/l	99
45) 1,2-Dichloropropane	8.94	63	147797	21.216	ug/l	95
46) Dibromomethane	9.06	93	124754	21.537	ug/l	95
47) Bromodichloromethane	9.37	83	310546	21.032	ug/l	98
48) Methyl methacrylate	9.12	41	113511	23.321	ug/l	88
49) 1,4-Dioxane	9.09	88	20598	497.489	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	577638	113.174	ug/l	98
52) Toluene	10.50	92	389797	21.383	ug/l	91
53) t-1,3-Dichloropropene	10.91	75	262561	20.625	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	285717	21.356	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	135041	21.934	ug/l	94
56) Ethyl methacrylate	11.04	69	132867	19.708	ug/l	89
57) 1,3-Dichloropropane	11.41	76	202297	20.855	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	361006	102.911	ug/l	99
59) 2-Hexanone	11.53	43	419855	114.149	ug/l	99
60) Dibromochloromethane	11.69	129	246349	21.196	ug/l	98
61) 1,2-Dibromoethane	11.80	107	161875	21.308	ug/l	93
64) Tetrachloroethene	11.25	164	204372	20.842	ug/l	94
65) Chlorobenzene	12.39	112	485617	20.512	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	210740	20.208	ug/l	96
67) Ethyl Benzene	12.52	91	846515	21.048	ug/l	100
68) m/p-Xylenes	12.66	106	581309	39.413	ug/l	96
69) o-Xylene	13.04	106	287998	21.263	ug/l	91
70) Styrene	13.06	104	504734	21.013	ug/l	97
71) Bromoform	13.23	173	146954	19.377	ug/l #	99
73) Isopropylbenzene	13.40	105	906106	22.302	ug/l	100
74) N-amyl acetate	13.26	43	233294	21.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	160509	23.258	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	155479	19.997	ug/l	98
77) Bromobenzene	13.66	156	242948	20.991	ug/l	93
78) n-propylbenzene	13.77	91	1042629	21.565	ug/l	98
79) 2-Chlorotoluene	13.84	91	624762	22.301	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	766136	21.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	42844	19.844	ug/l	91
82) 4-Chlorotoluene	13.94	91	742234	22.513	ug/l	93
83) tert-Butylbenzene	14.19	119	856538	21.408	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	747009	20.610	ug/l	99
85) sec-Butylbenzene	14.36	105	830933	19.711	ug/l	99
86) p-Isopropyltoluene	14.49	119	841280	20.909	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	421170	20.549	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	420757	20.301	ug/l	95
89) n-Butylbenzene	14.80	91	760776	21.893	ug/l	98
90) Hexachloroethane	15.00	117	214971	20.507	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	365755	20.481	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29771	21.178	ug/l	85

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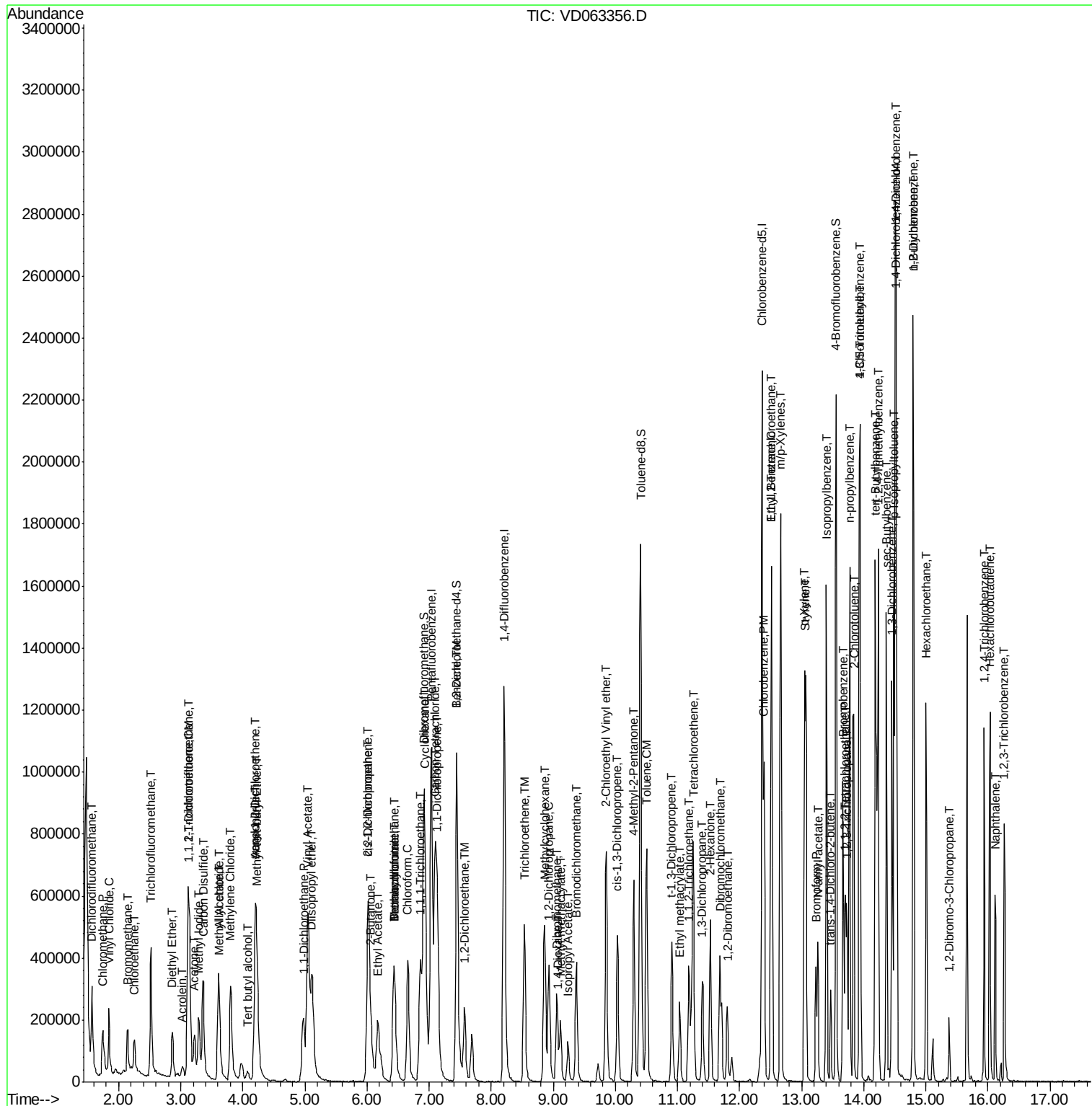
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	280852	19.825	ug/l	95
94) Hexachlorobutadiene	16.04	225	200792	19.558	ug/l	98
95) Naphthalene	16.12	128	396411	19.797	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	210422	18.802	ug/l	96

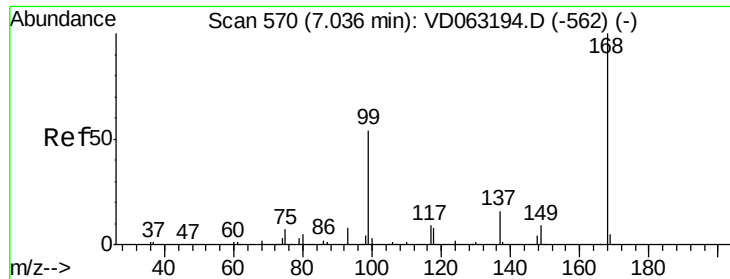
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

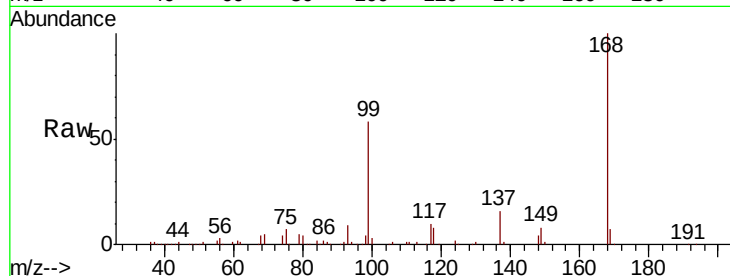
VD0803SBSD01

Tot Ion:168 Resp: 1077931

Ion Ratio Lower Upper

168 100

99 58.2 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

400000

300000

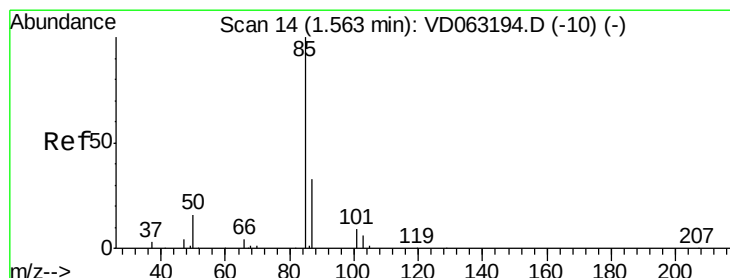
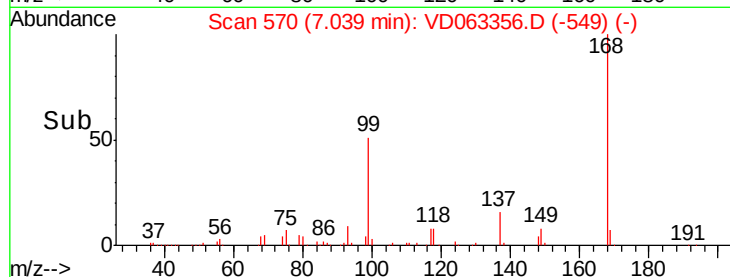
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.909 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063356.D

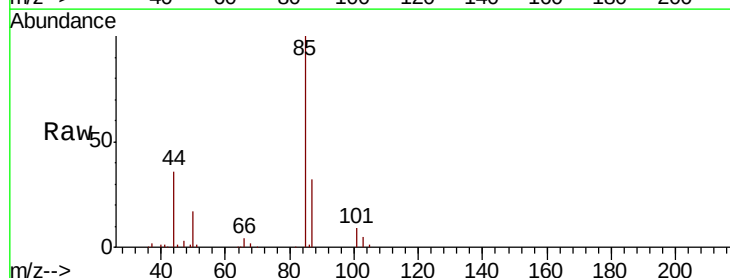
Acq: 3 Aug 2019 12:52

Tgt Ion: 85 Resp: 275503

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

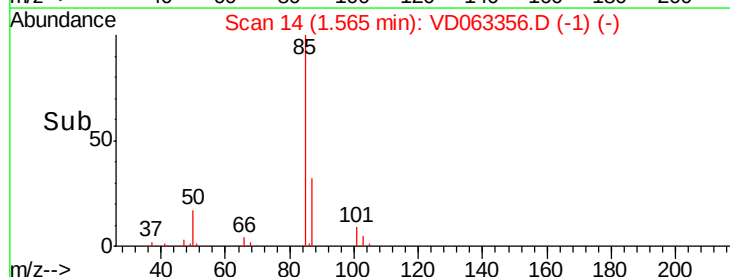
100000

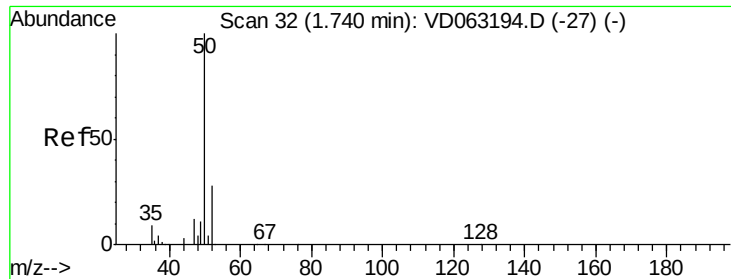
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.680 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

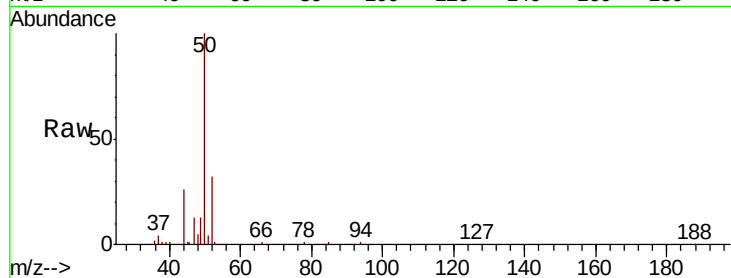
VD0803SBSD01

Tot Ion: 50 Resp: 221946

Ion Ratio Lower Upper

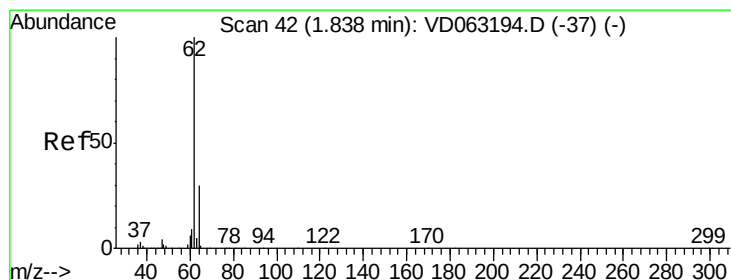
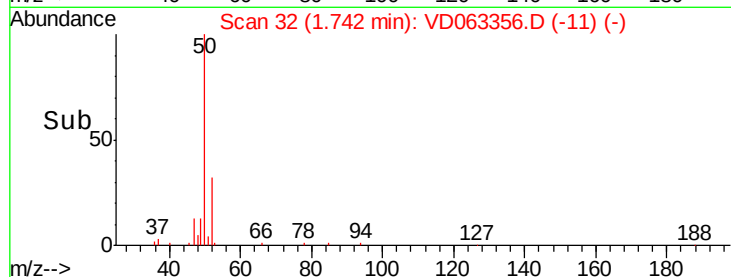
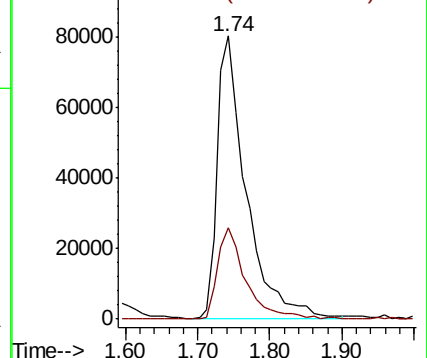
50 100

52 32.3 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: 20.698 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063356.D

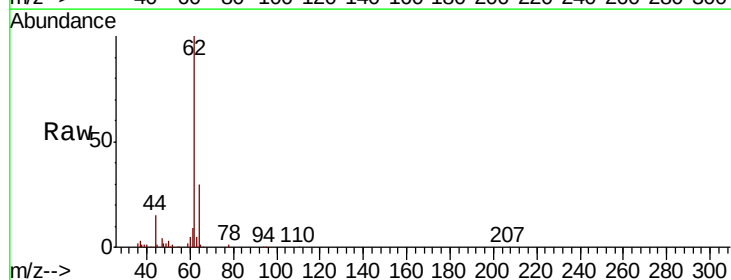
Acq: 3 Aug 2019 12:52

Tgt Ion: 62 Resp: 219351

Ion Ratio Lower Upper

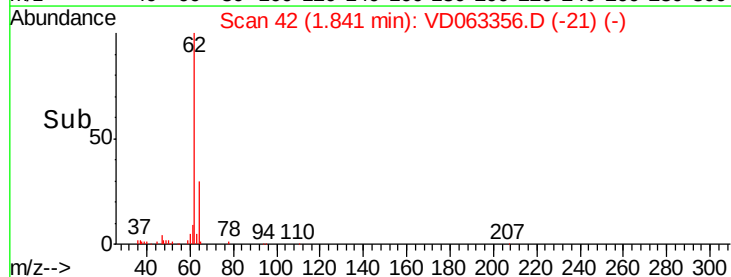
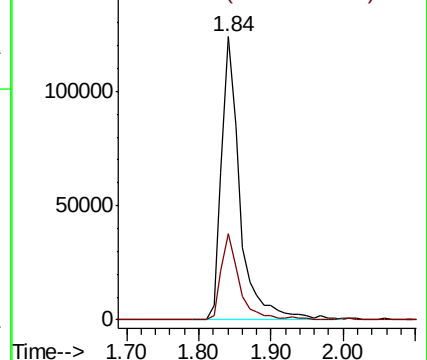
62 100

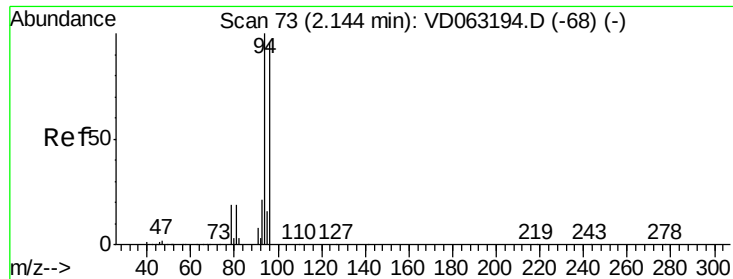
64 30.4 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.127 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

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ClientSampleId :

VD0803SBSD01

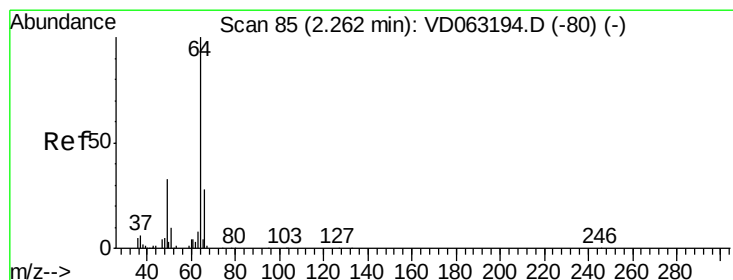
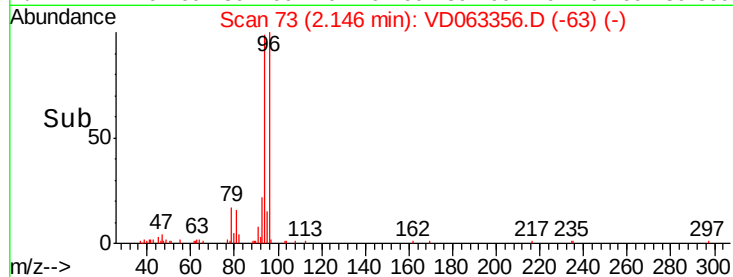
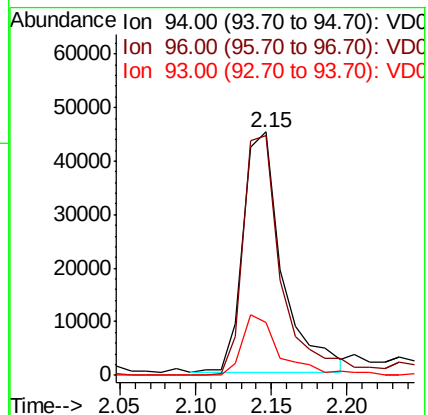
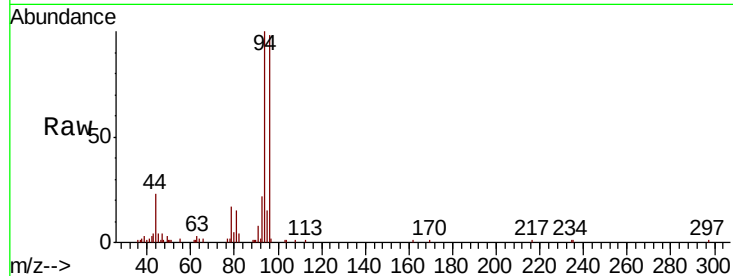
Tot Ion: 94 Resp: 80854

Ion Ratio Lower Upper

94 100

96 98.3 76.4 114.6

93 21.9 17.3 25.9



#6

Chloroethane

Concen: 17.814 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063356.D

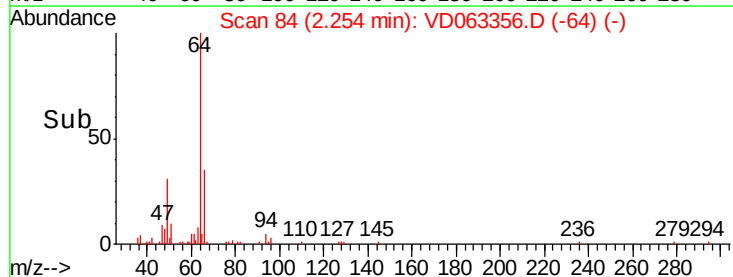
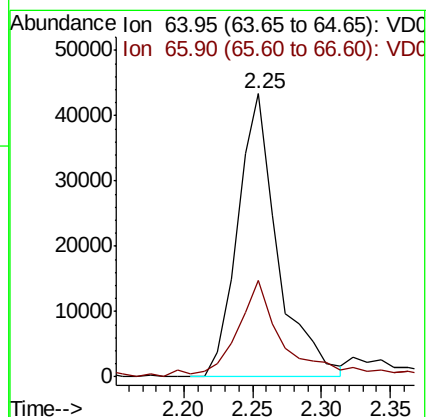
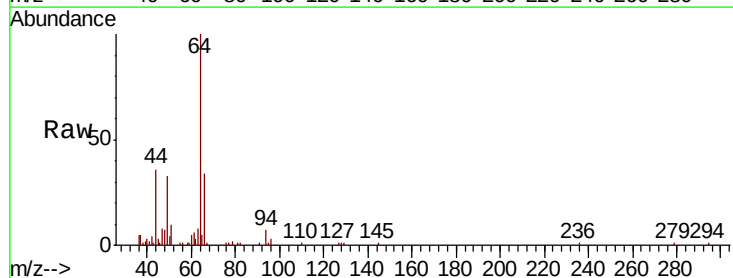
Acq: 3 Aug 2019 12:52

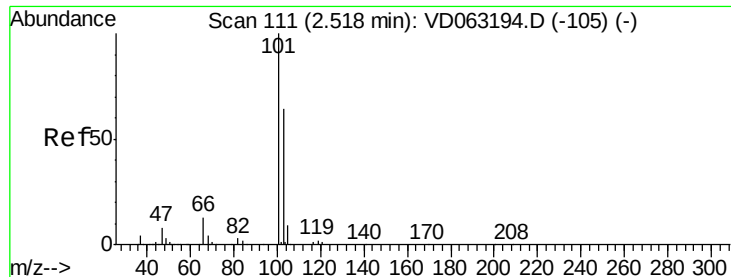
Tgt Ion: 64 Resp: 87162

Ion Ratio Lower Upper

64 100

66 34.3 22.2 33.2#



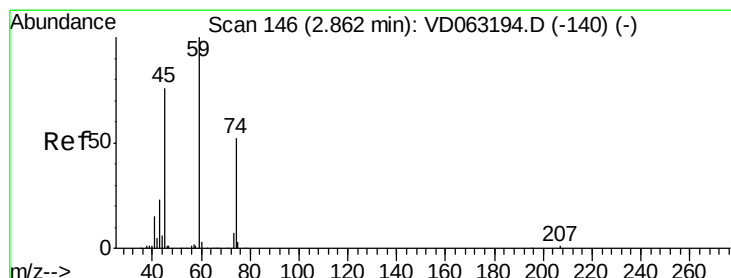
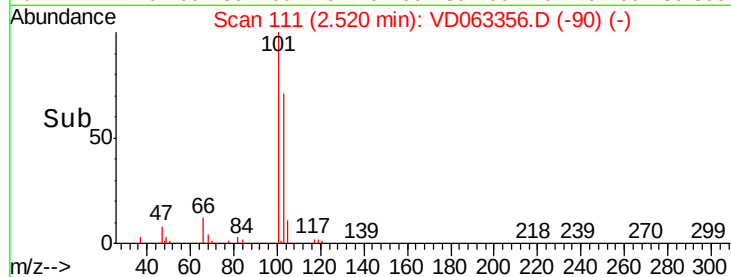
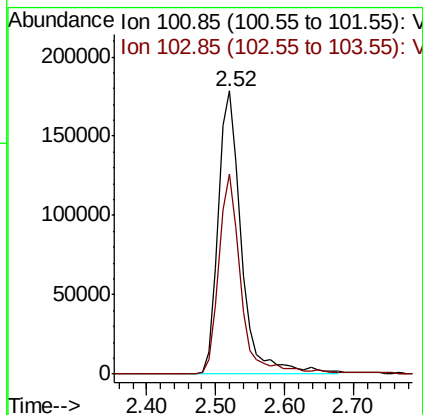
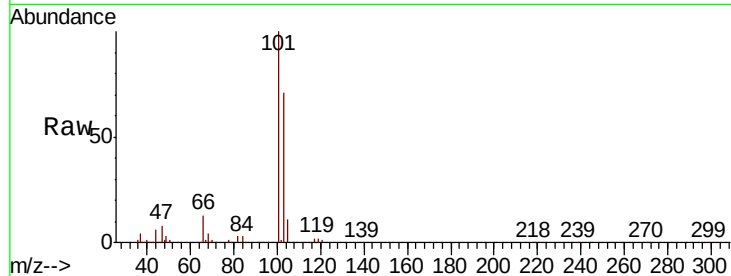


#7

Trichlorofluoromethane
 Concen: 20.319 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

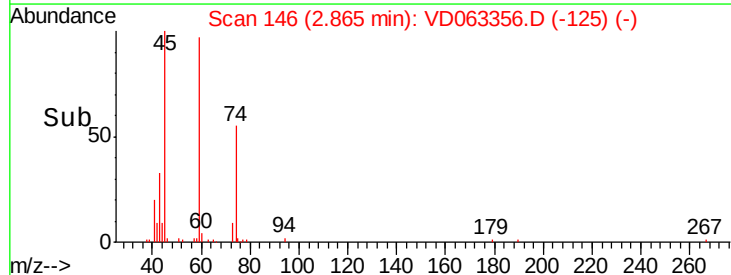
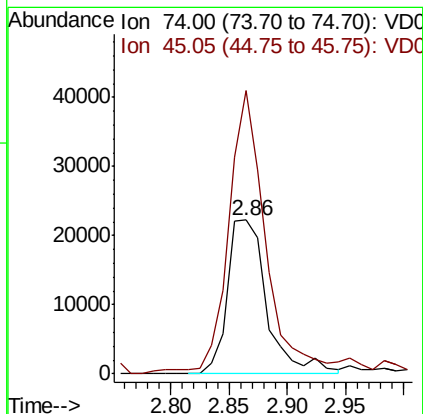
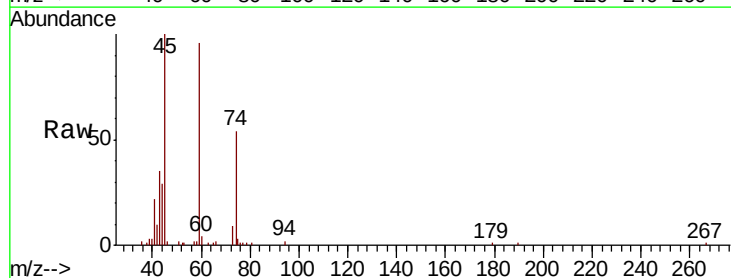
Tot Ion:101 Resp: 417762
 Ion Ratio Lower Upper
 101 100
 103 70.6 51.5 77.3

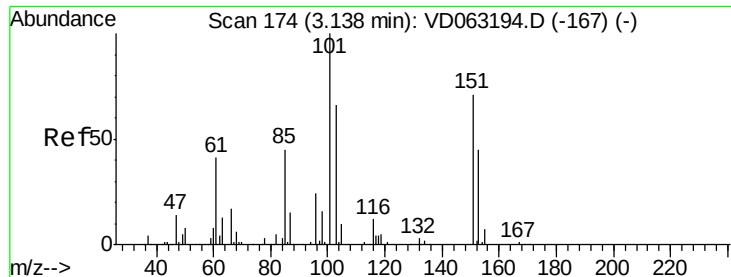


#8

Diethyl Ether
 Concen: 18.249 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 74 Resp: 52509
 Ion Ratio Lower Upper
 74 100
 45 184.2 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.186 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

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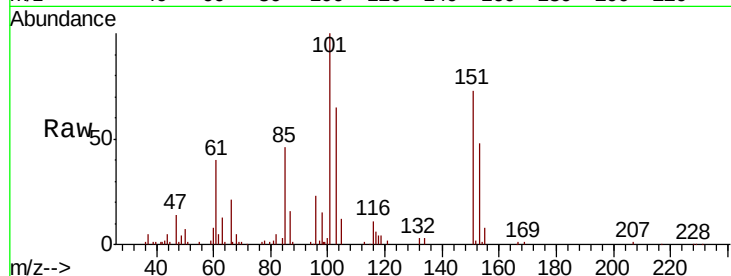
Tot Ion:101 Resp: 241287

Ion Ratio Lower Upper

101 100

85 46.1 36.1 54.1

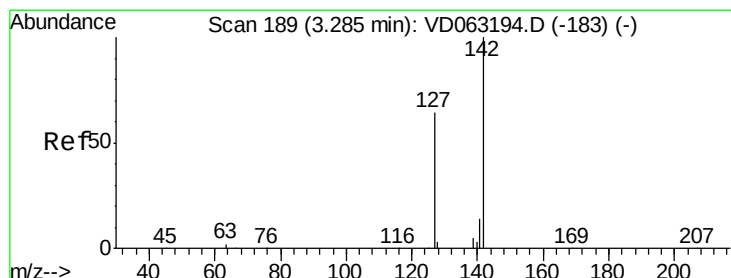
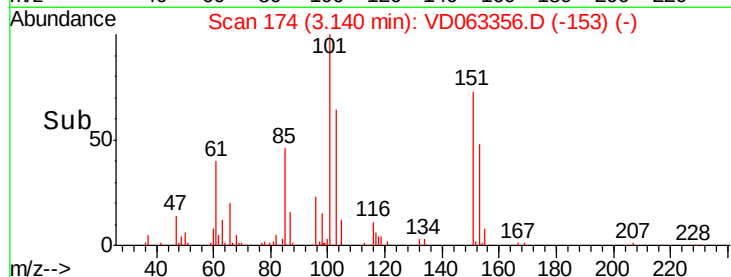
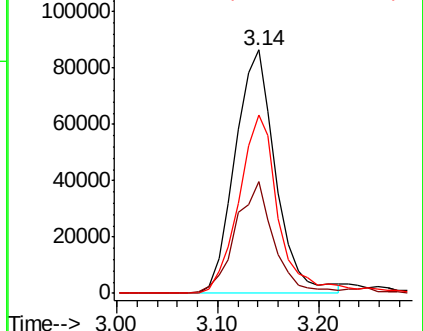
151 73.5 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.633 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

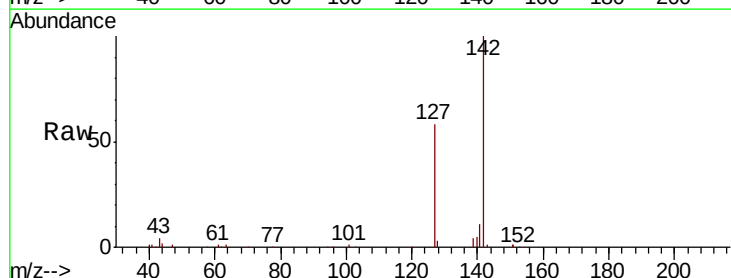
Tgt Ion:142 Resp: 290102

Ion Ratio Lower Upper

142 100

127 57.7 50.8 76.2

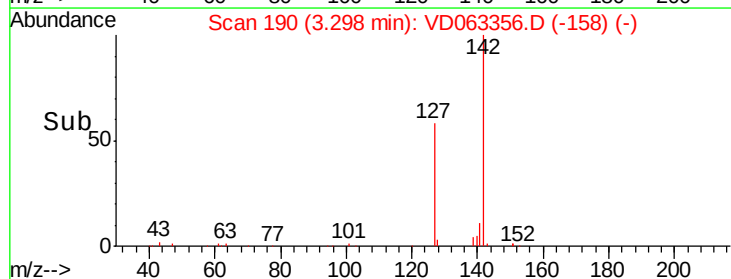
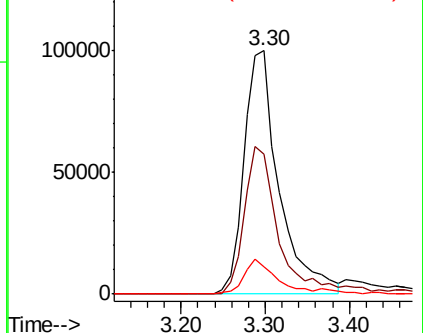
141 11.4 11.4 17.2#

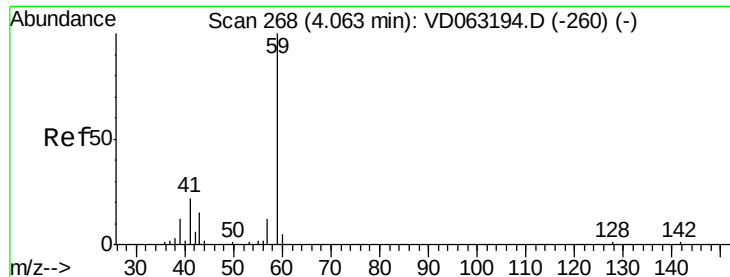


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 91.459 ug/l

RT: 4.09 min Scan# 270

Delta R.T. 0.02 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

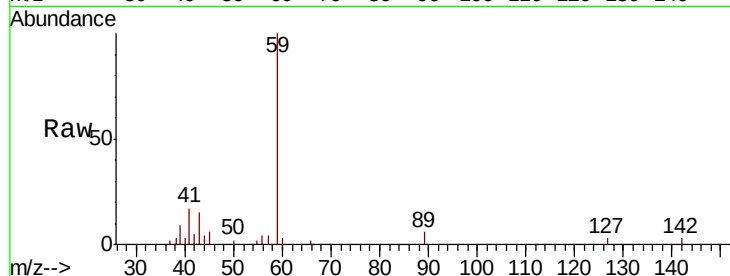
VD0803SBS01

Tot Ion: 59 Resp: 48006

Ion Ratio Lower Upper

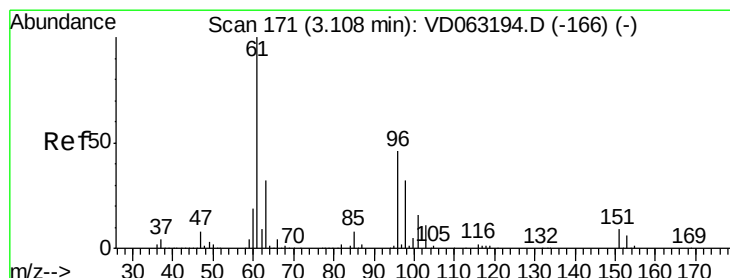
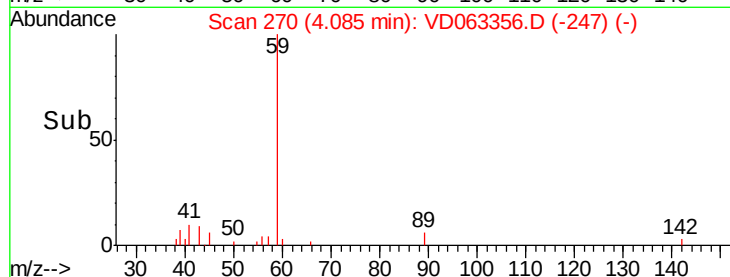
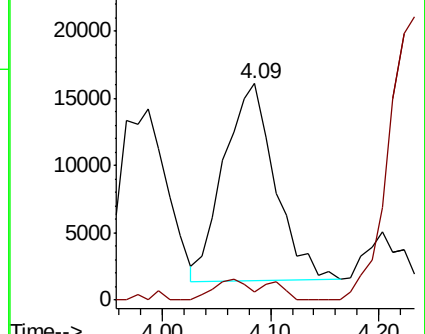
59 100

57 3.7 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 21.752 ug/l

RT: 3.11 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

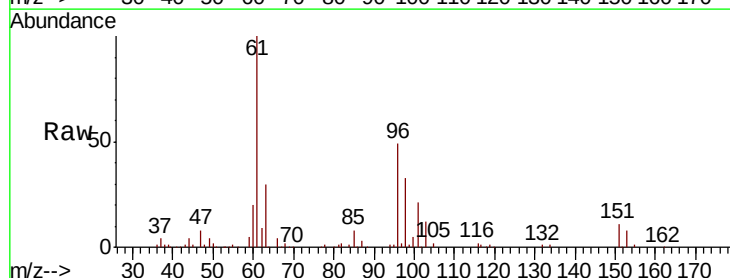
Tgt Ion: 96 Resp: 181865

Ion Ratio Lower Upper

96 100

61 205.4 173.7 260.5

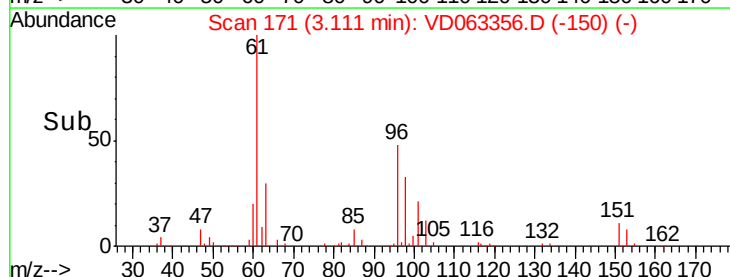
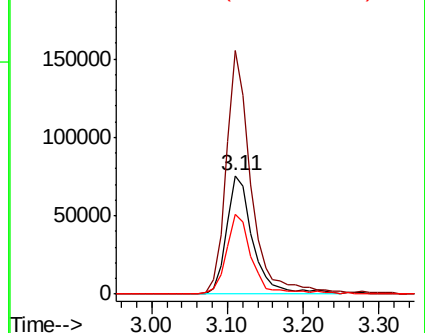
98 66.9 55.8 83.8

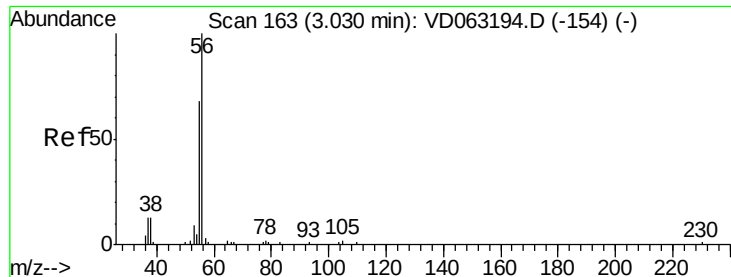


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 74.832 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

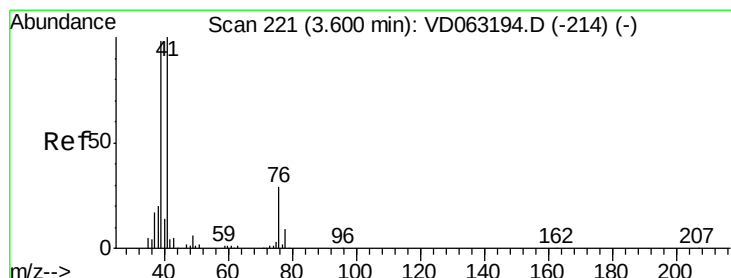
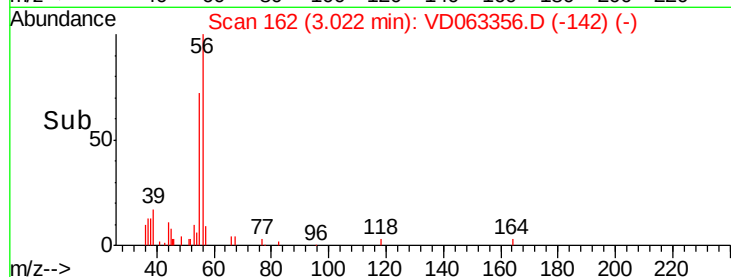
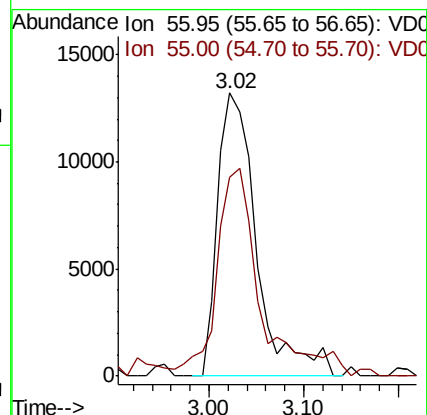
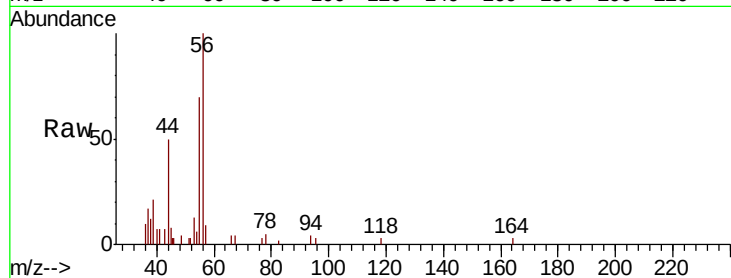
VD0803SBS01

Tot Ion: 56 Resp: 37802

Ion Ratio Lower Upper

56 100

55 70.2 55.3 82.9



#14

Allyl chloride

Concen: 19.695 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

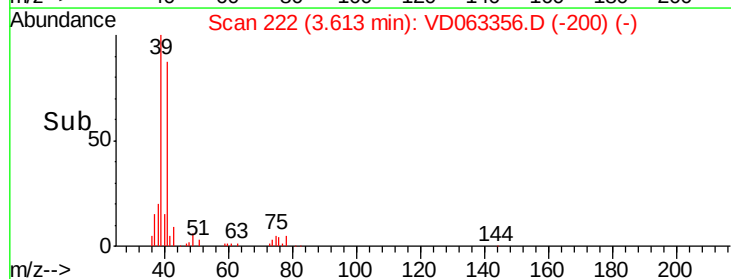
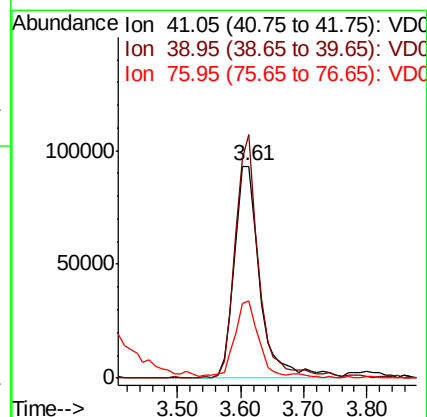
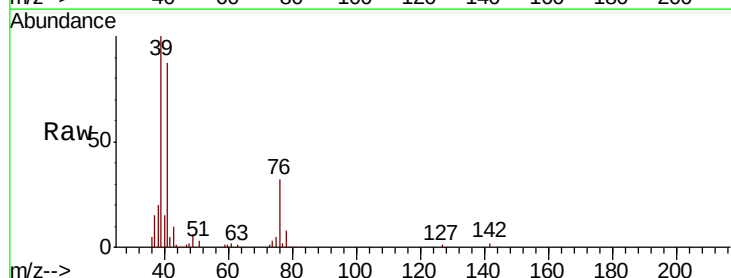
Tgt Ion: 41 Resp: 262322

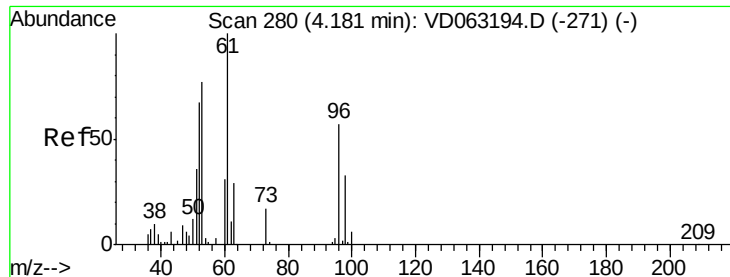
Ion Ratio Lower Upper

41 100

39 114.8 78.6 117.8

76 36.3 24.5 36.7





#15

Acrylonitrile

Concen: 108.244 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

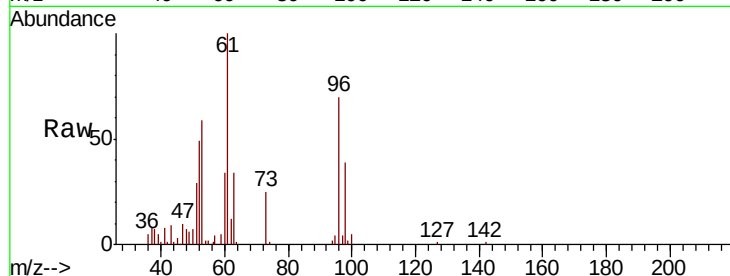
Tot Ion: 53 Resp: 147301

Ion Ratio Lower Upper

53 100

52 83.1 69.7 104.5

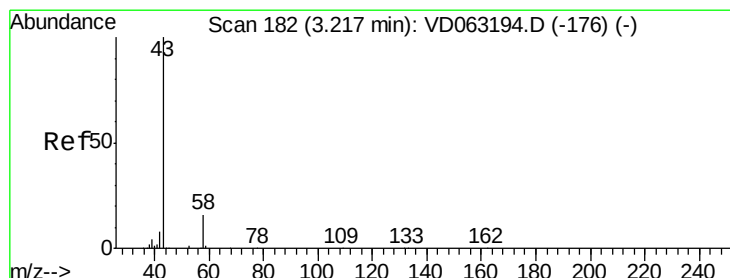
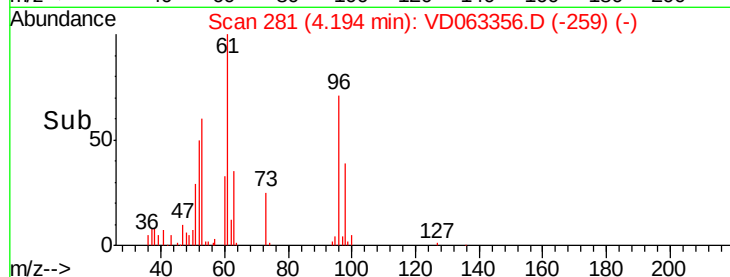
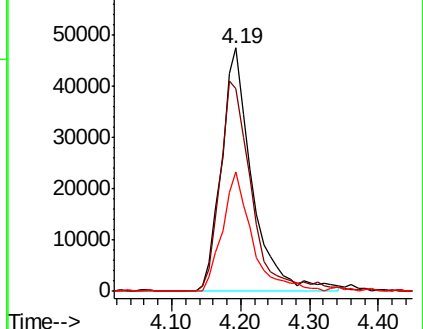
51 49.2 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 101.904 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063356.D

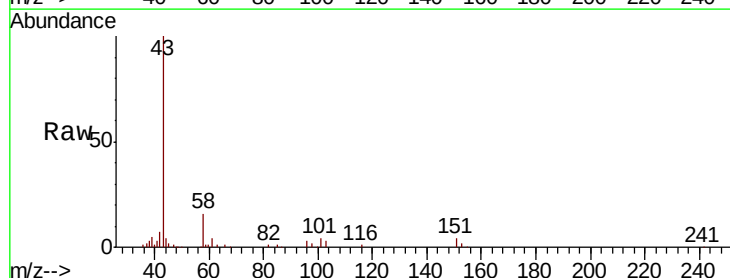
Acq: 3 Aug 2019 12:52

Tgt Ion: 43 Resp: 237478

Ion Ratio Lower Upper

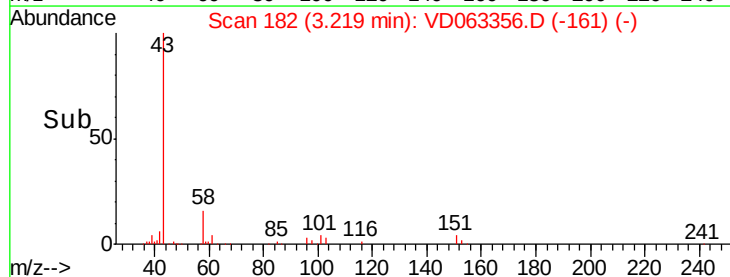
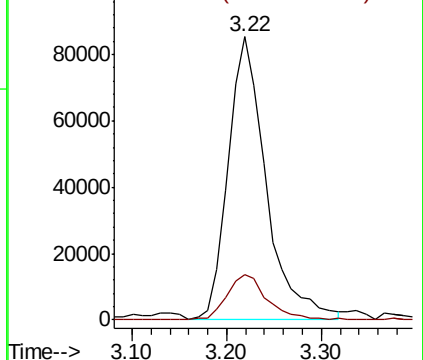
43 100

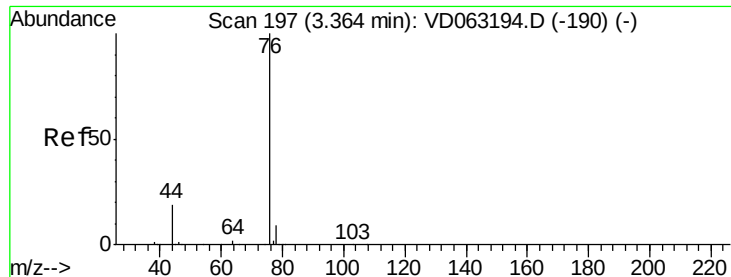
58 16.2 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.313 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

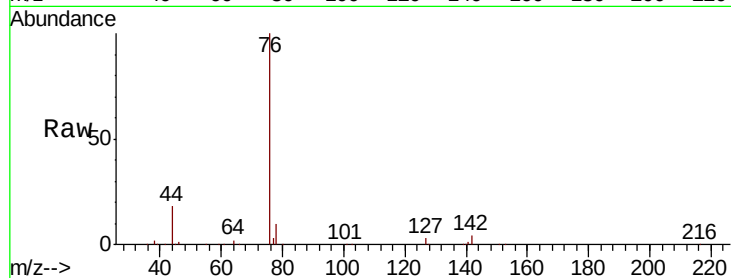
VD0803SBSD01

Tot Ion: 76 Resp: 568442

Ion Ratio Lower Upper

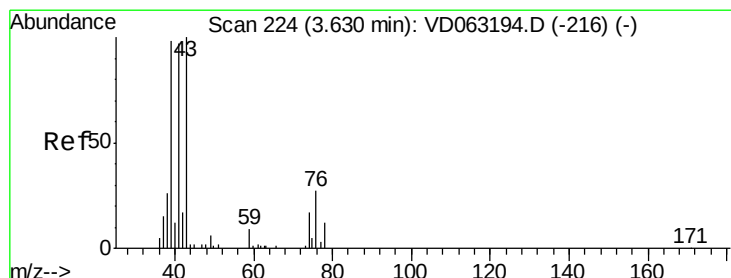
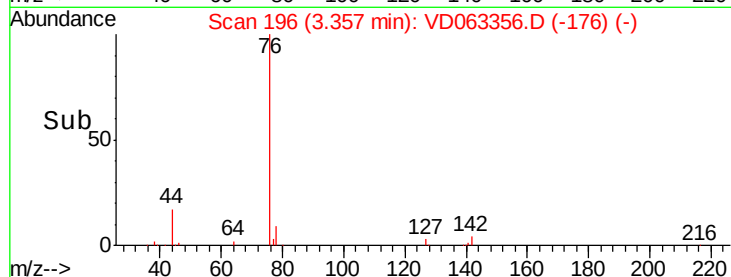
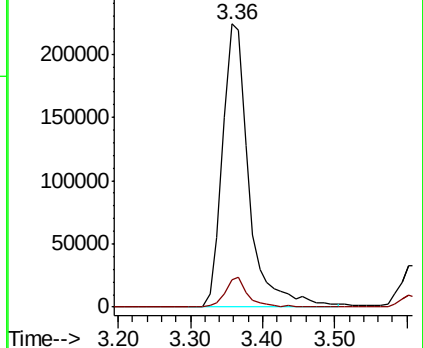
76 100

78 9.6 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.567 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063356.D

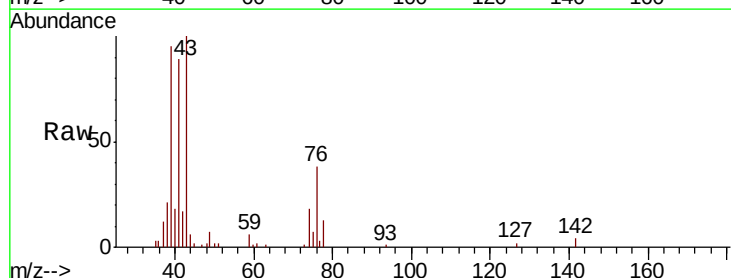
Acq: 3 Aug 2019 12:52

Tgt Ion: 43 Resp: 96542

Ion Ratio Lower Upper

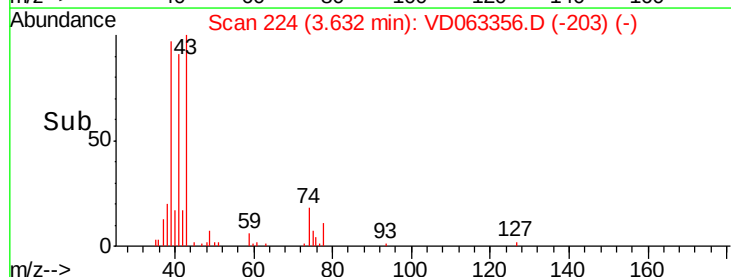
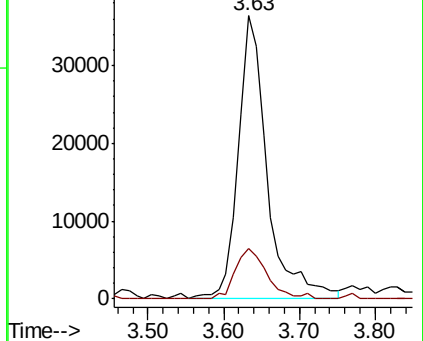
43 100

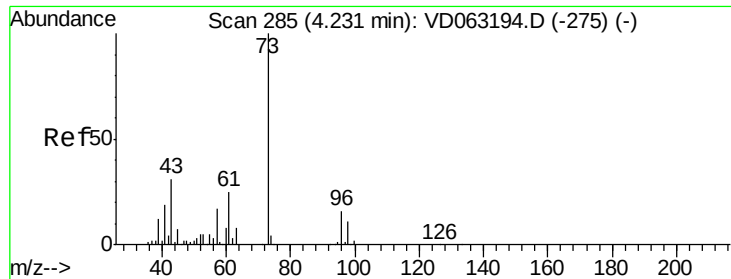
74 17.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



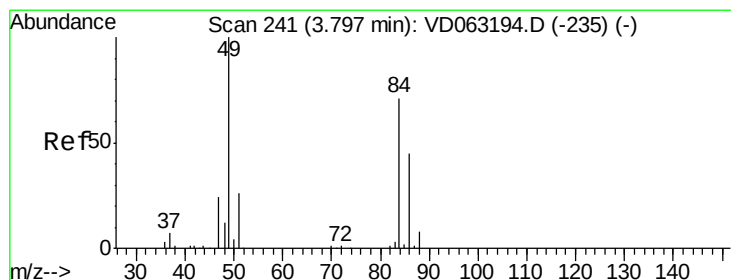
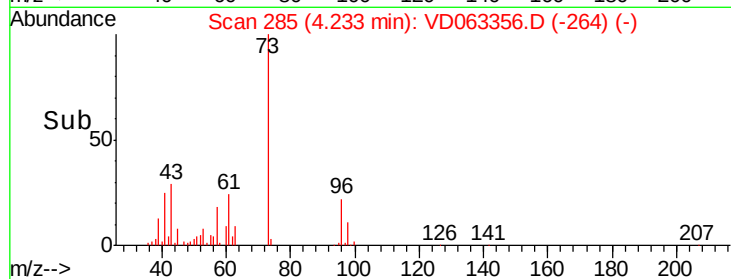
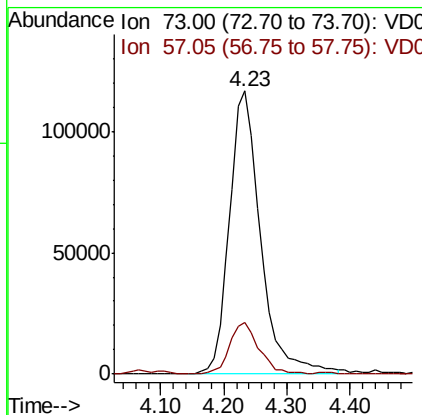
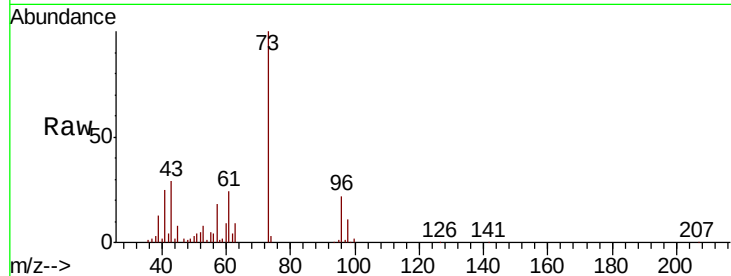


#19

Methvl tert-butyl Ether
 Concen: 21.086 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

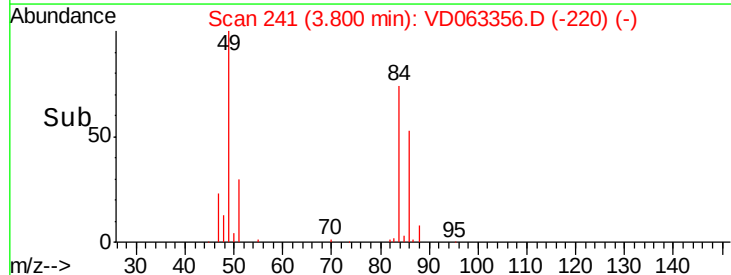
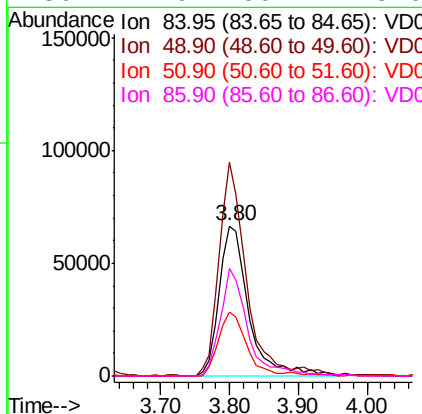
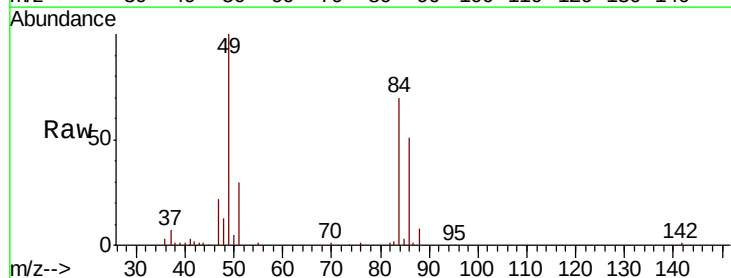
Tot Ion: 73 Resp: 398224
 Ion Ratio Lower Upper
 73 100
 57 18.1 13.8 20.6

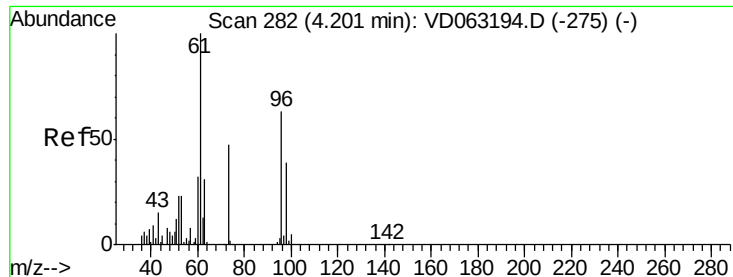


#20

Methylene Chloride
 Concen: 20.904 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 84 Resp: 196908
 Ion Ratio Lower Upper
 84 100
 49 142.2 112.5 168.7
 51 42.5 29.6 44.4
 86 71.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.908 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

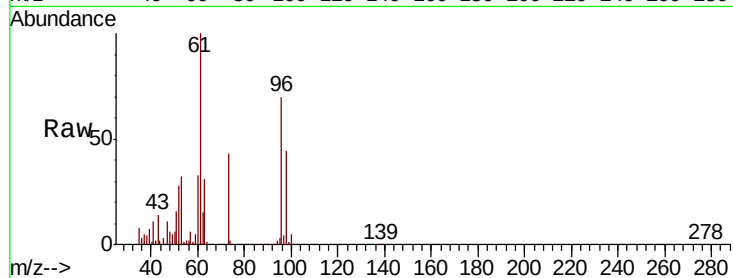
Tot Ion: 96 Resp: 205527

Ion Ratio Lower Upper

96 100

61 142.7 127.4 191.2

98 62.4 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

150000

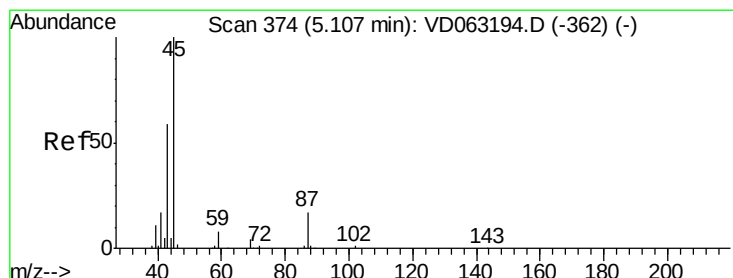
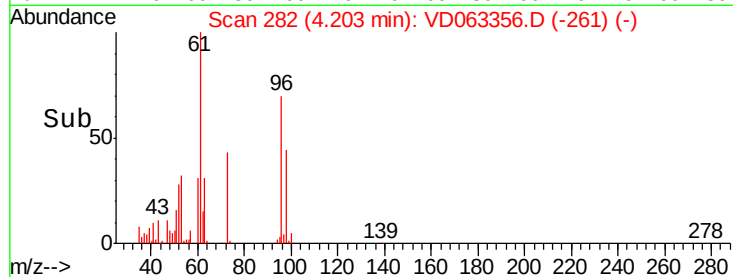
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#22

Diisopropyl ether

Concen: 20.187 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Tgt Ion: 45 Resp: 537181

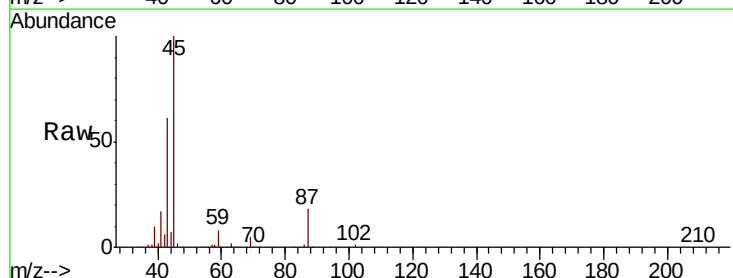
Ion Ratio Lower Upper

45 100

43 60.8 51.7 77.5

87 18.2 14.6 21.8

59 8.1 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

600000

500000

400000

300000

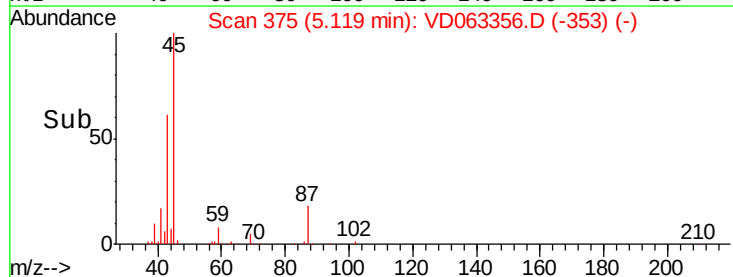
200000

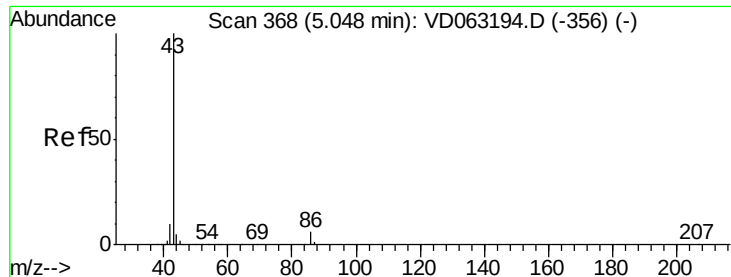
100000

0

5.00 5.20

Time-->





#23

Vinyl Acetate

Concen: 101.616 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

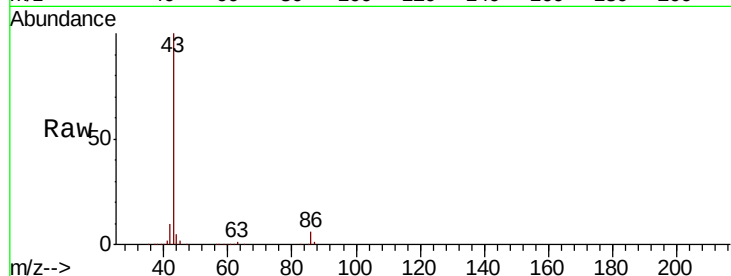
VD0803SBS01

Tot Ion: 43 Resp: 1662165

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

500000

400000

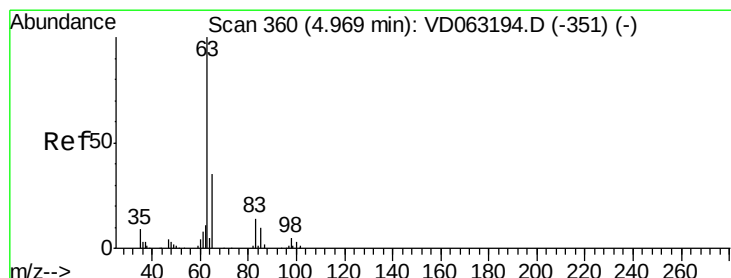
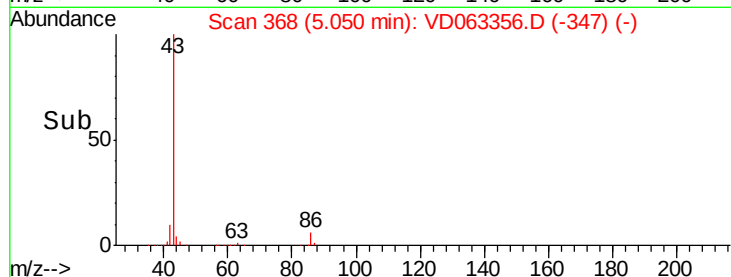
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.984 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

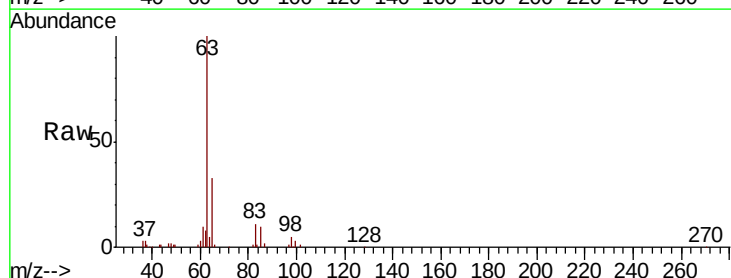
Tgt Ion: 63 Resp: 339680

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

100 2.5 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

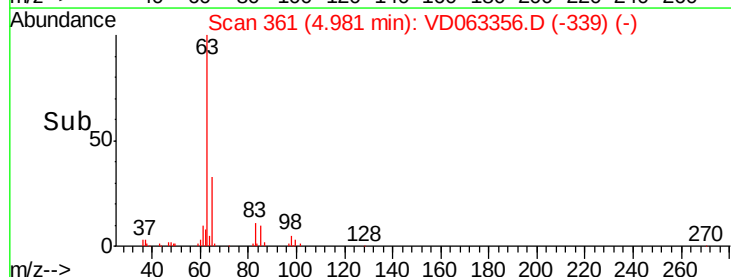
Ion 99.95 (99.65 to 100.65): VDC

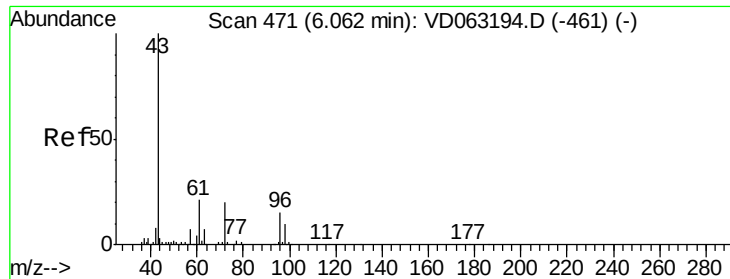
100000

50000

0

Time-->





#25

2-Butanone

Concen: 104.857 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

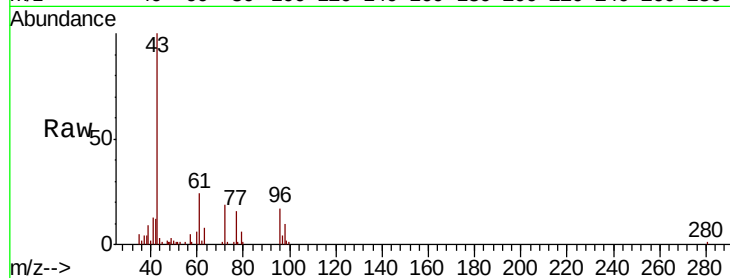
VD0803SBSD01

Tot Ion: 43 Resp: 245235

Ion Ratio Lower Upper

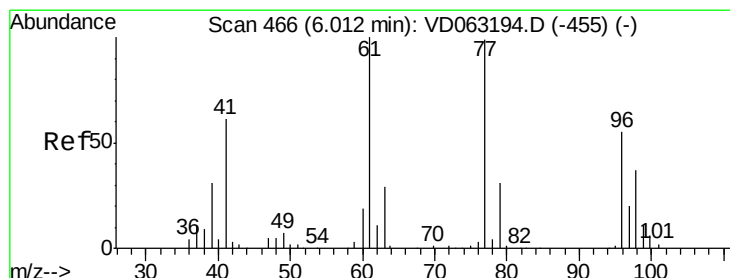
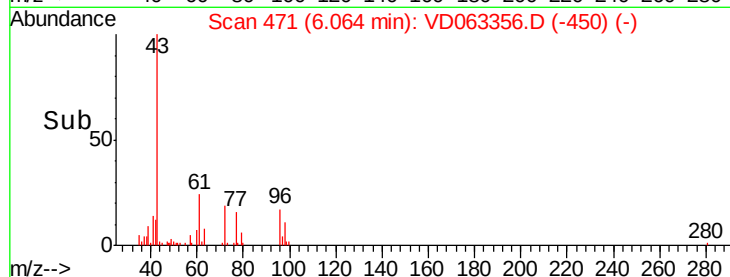
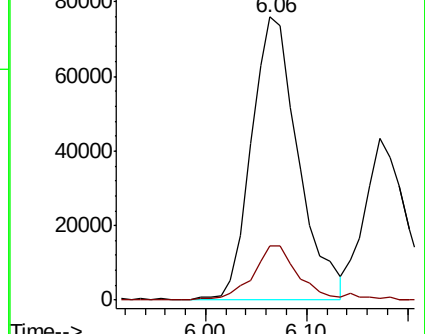
43 100

72 19.1 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.770 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063356.D

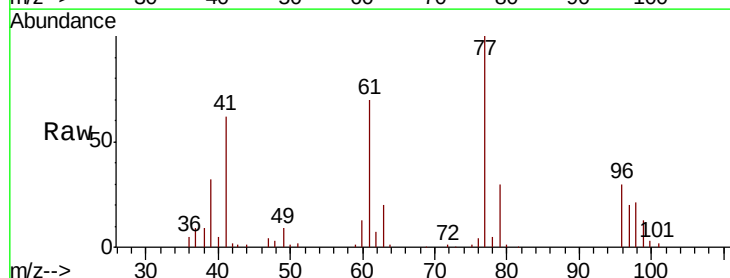
Acq: 3 Aug 2019 12:52

Tgt Ion: 77 Resp: 346291

Ion Ratio Lower Upper

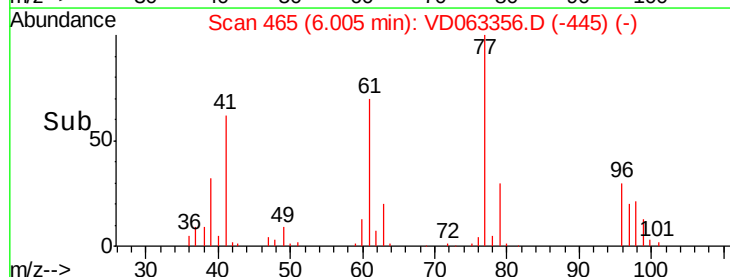
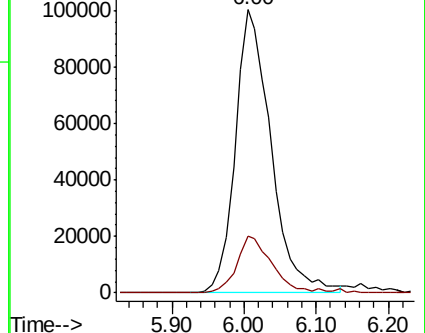
77 100

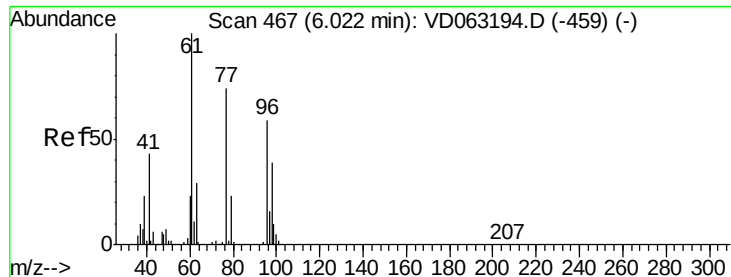
97 20.1 10.2 30.6



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: 20.833 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

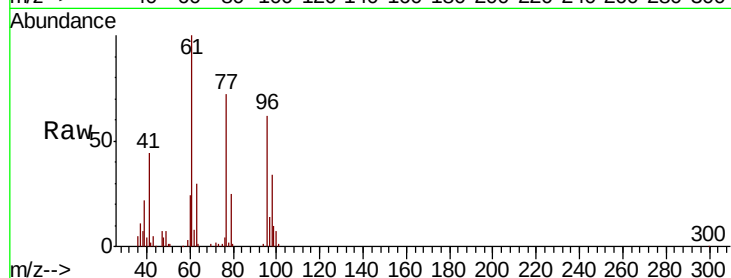
Tot Ion: 96 Resp: 209536

Ion Ratio Lower Upper

96 100

61 162.2 0.0 337.2

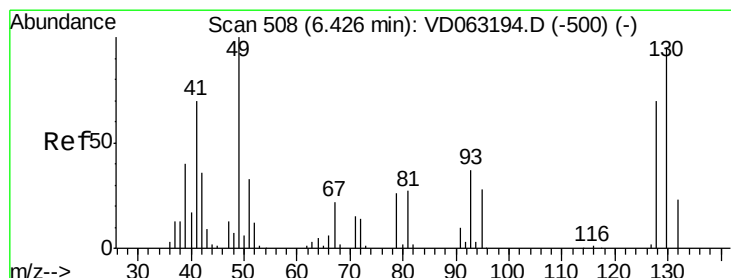
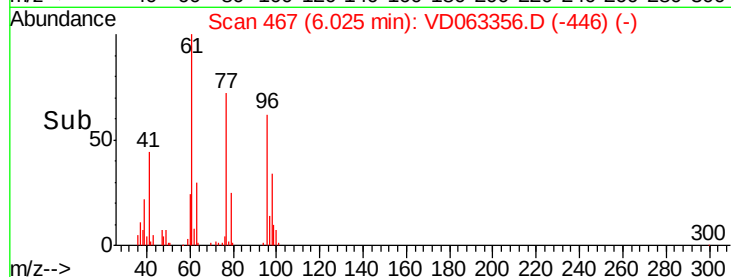
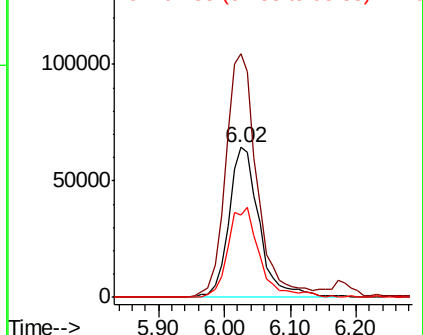
98 54.5 0.0 130.6



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: 20.043 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

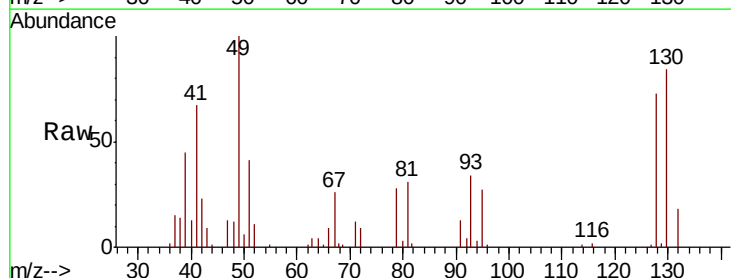
Tgt Ion: 49 Resp: 135736

Ion Ratio Lower Upper

49 100

129 1.7 0.0 0.0#

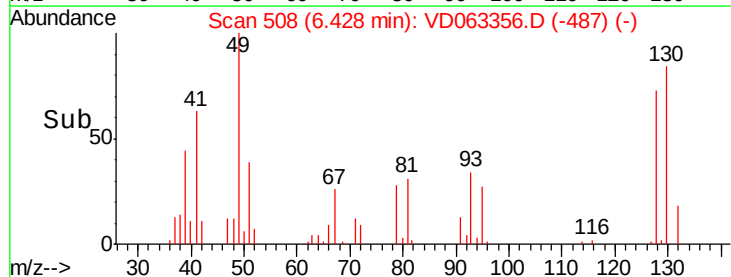
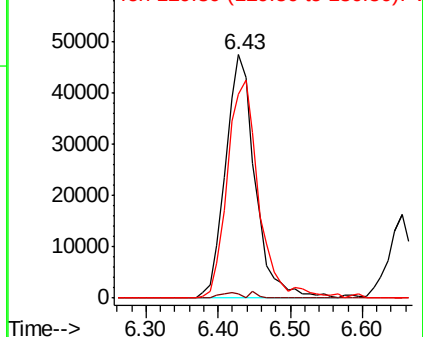
130 83.7 75.7 113.5

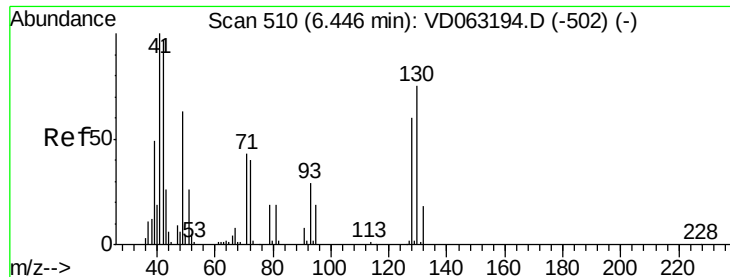


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

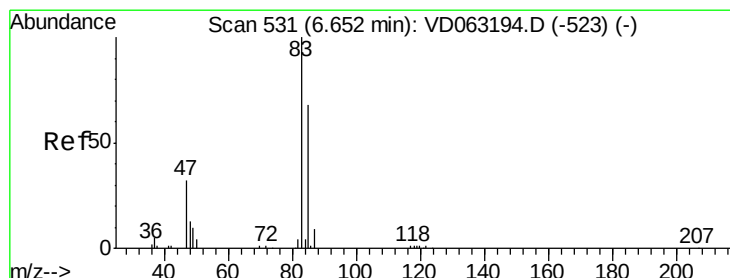
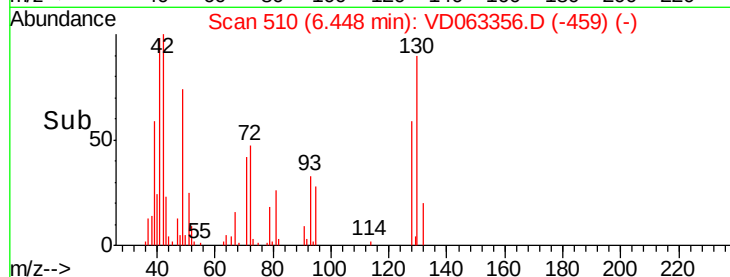
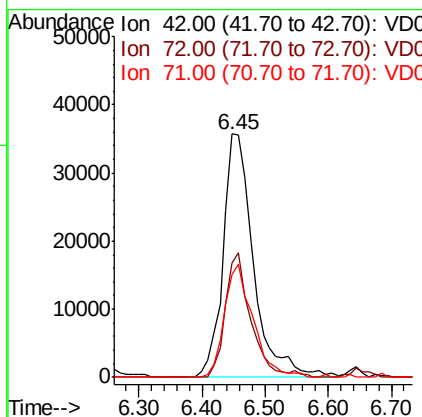
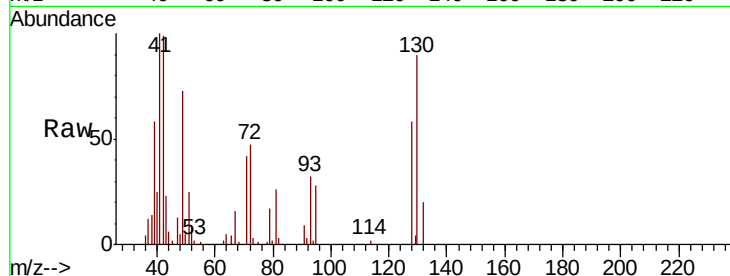




#29
Tetrahydrofuran
Concen: 108.371 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

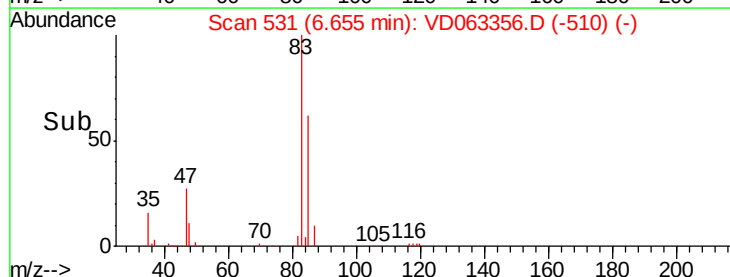
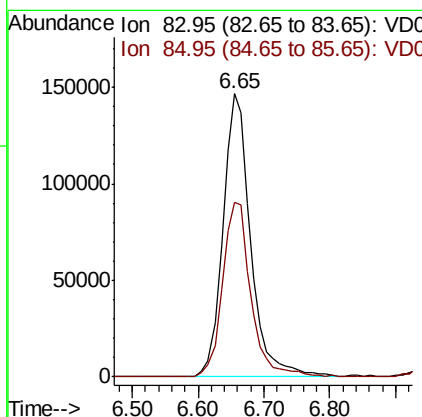
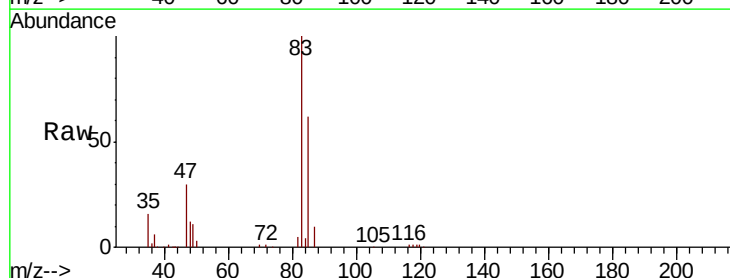
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

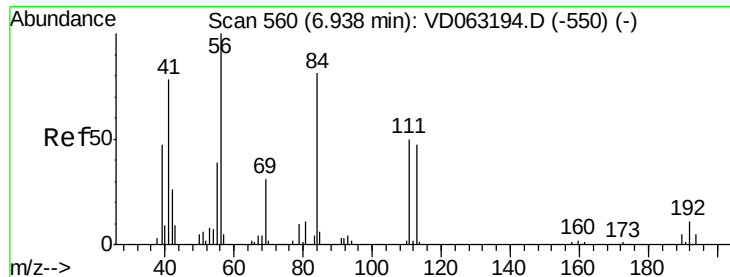
Tot Ion: 42 Resp: 119997
Ion Ratio Lower Upper
42 100
72 42.6 33.4 50.2
71 43.5 35.7 53.5



#30
Chloroform
Concen: 20.344 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion: 83 Resp: 429140
Ion Ratio Lower Upper
83 100
85 61.6 54.2 81.4





#31

Cyclohexane

Concen: 20.485 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

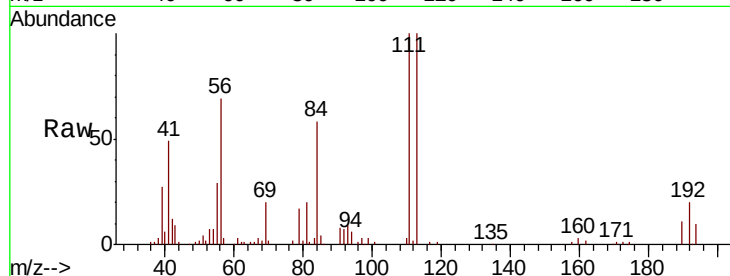
Tot Ion: 56 Resp: 218253

Ion Ratio Lower Upper

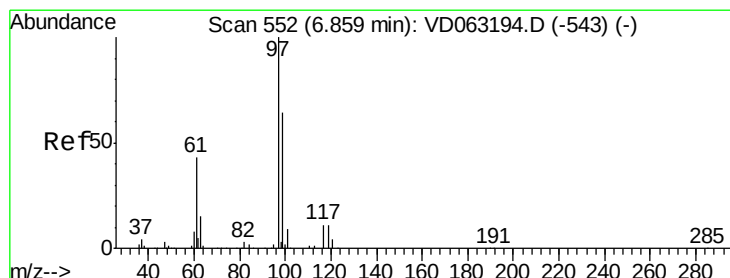
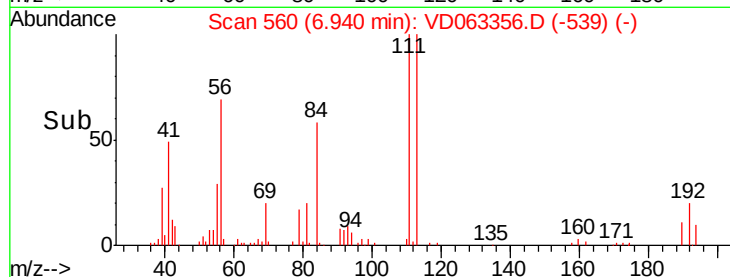
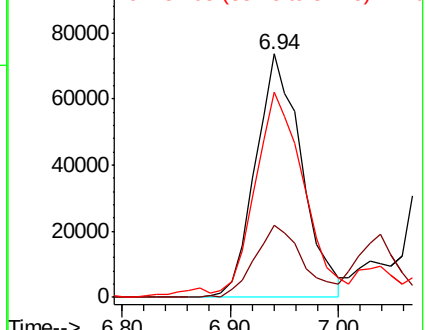
56 100

69 29.5 24.5 36.7

84 84.3 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: 20.479 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

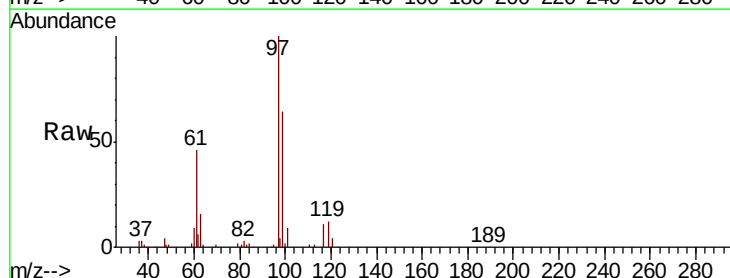
Tgt Ion: 97 Resp: 417842

Ion Ratio Lower Upper

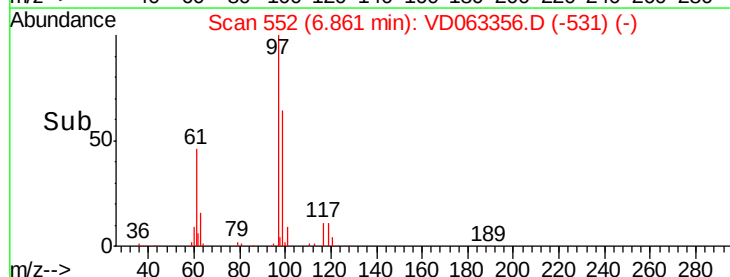
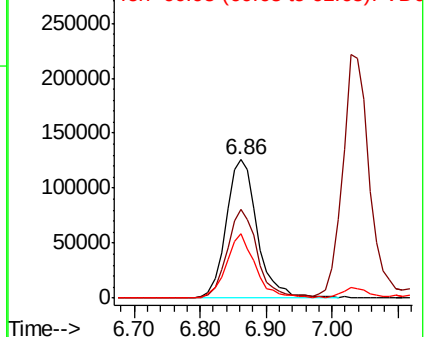
97 100

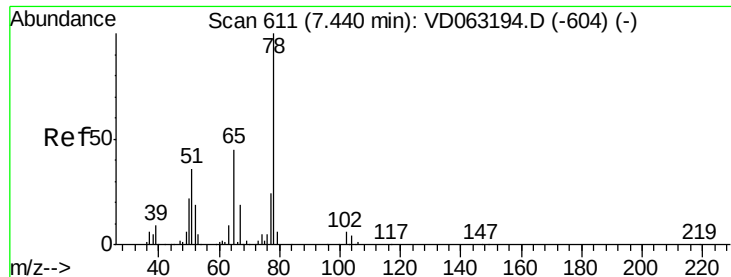
99 63.9 51.2 76.8

61 46.4 34.2 51.2



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

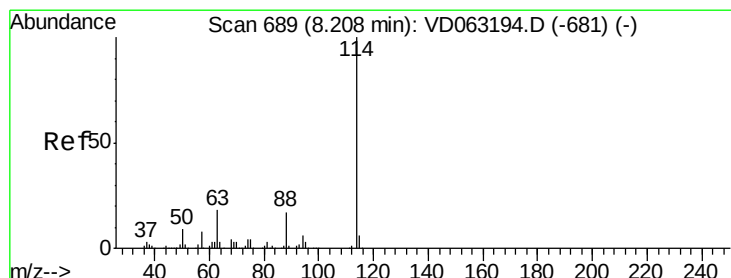
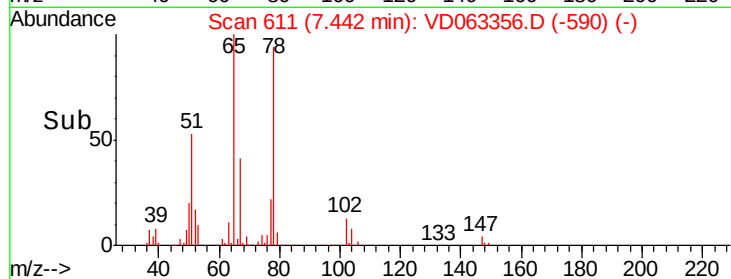
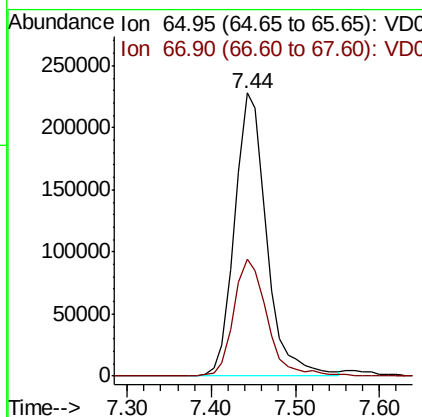
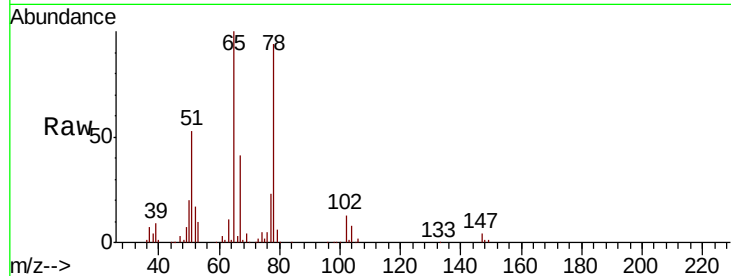




#33
 1,2-Dichloroethane-d4
 Concen: 50.363 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

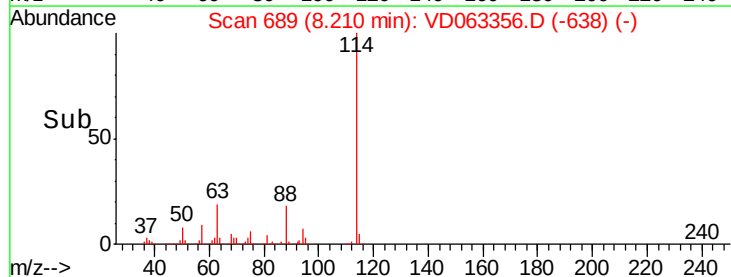
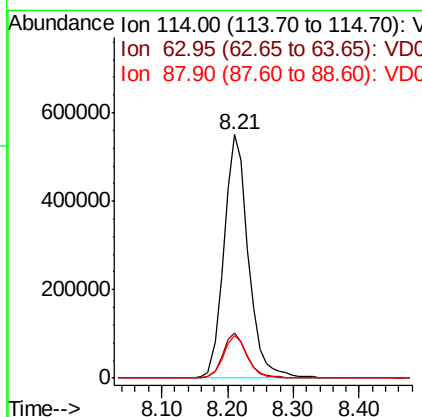
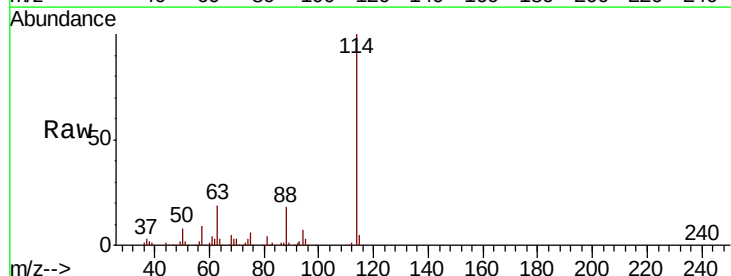
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

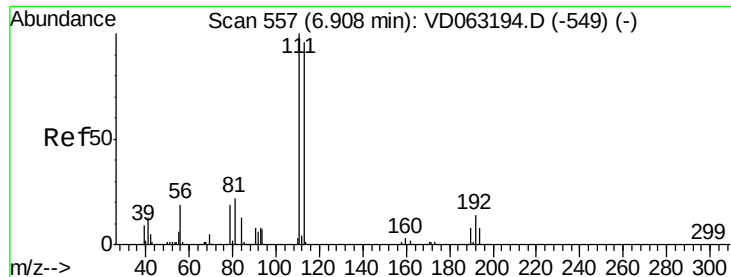
Tot Ion: 65 Resp: 602380
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 114 Resp: 1432952
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 17.7 0.0 34.6

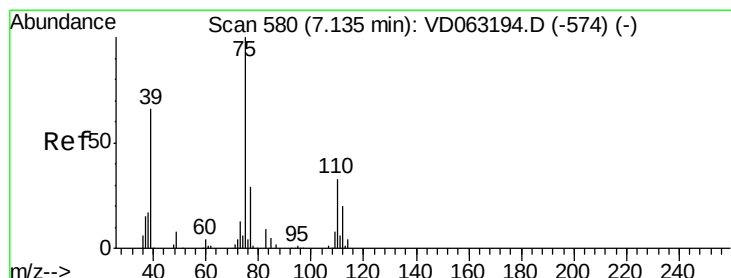
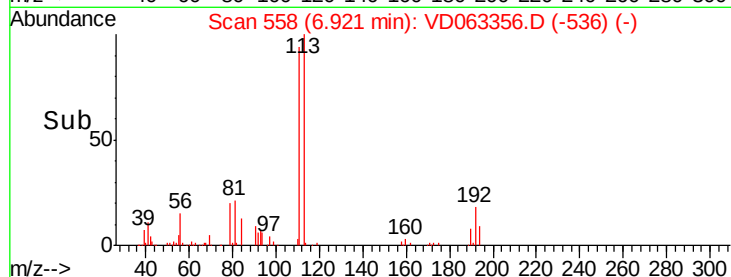
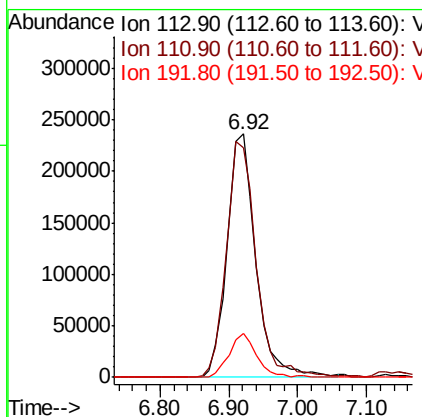
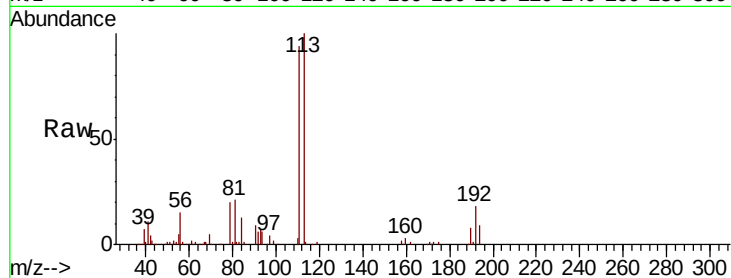




#35
 Dibromofluoromethane
 Concen: 55.994 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

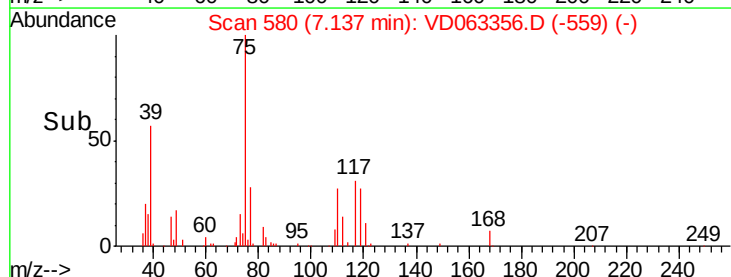
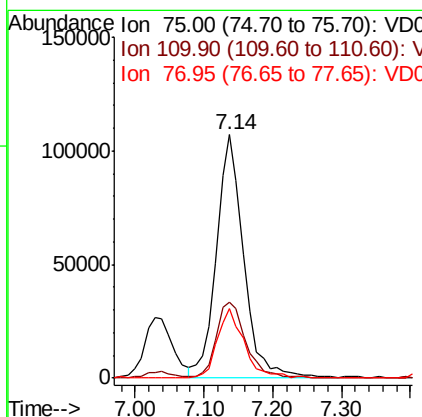
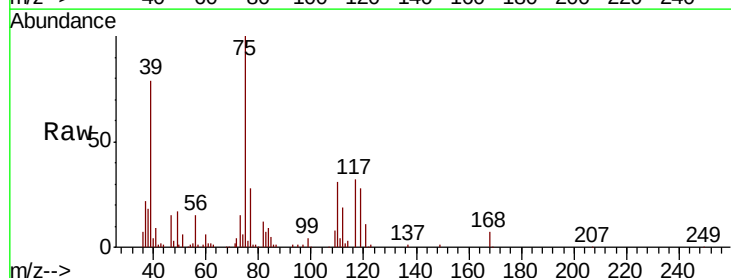
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

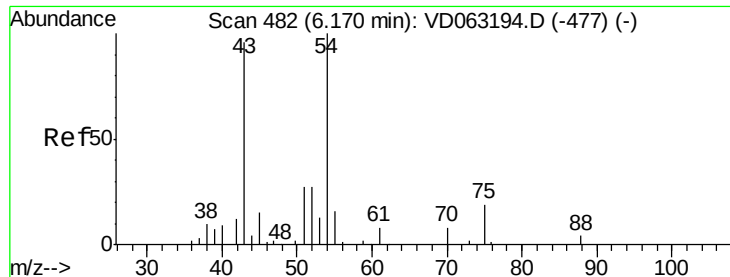
Tot Ion:113 Resp: 685052
 Ion Ratio Lower Upper
 113 100
 111 94.4 83.2 124.8
 192 18.2 11.8 17.8#



#36
 1,1-Dichloropropene
 Concen: 22.197 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 75 Resp: 290283
 Ion Ratio Lower Upper
 75 100
 110 30.9 16.1 48.2
 77 28.4 22.7 34.1

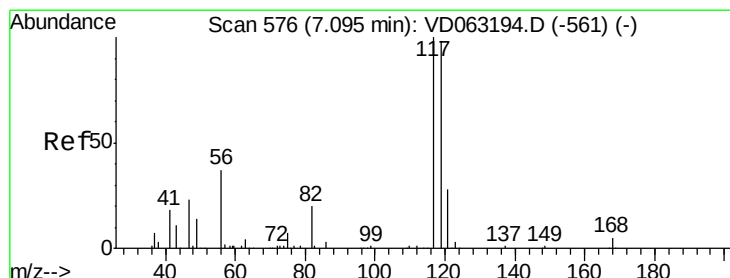
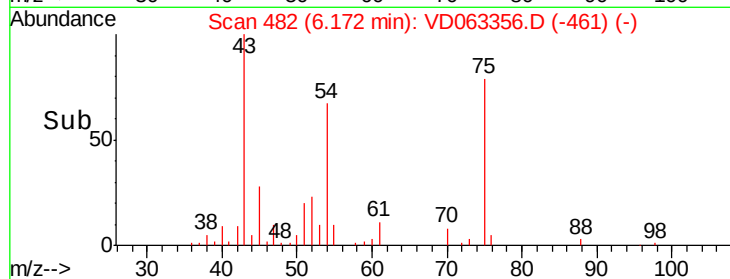
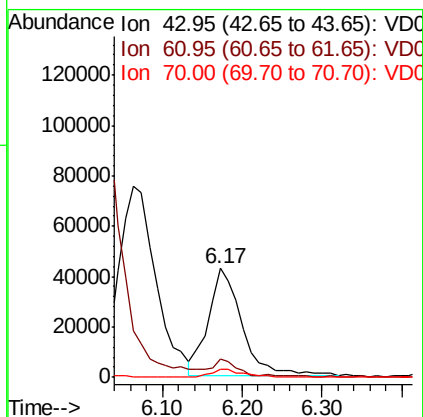
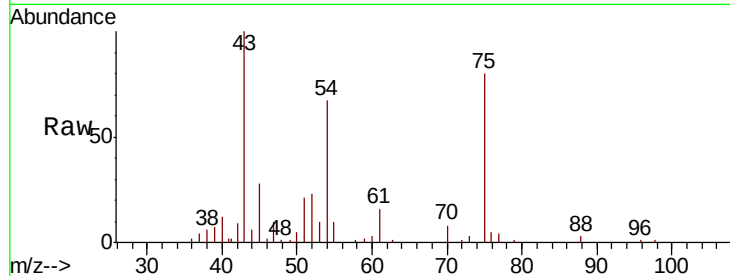




#37
Ethyl Acetate
Concen: 21.387 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

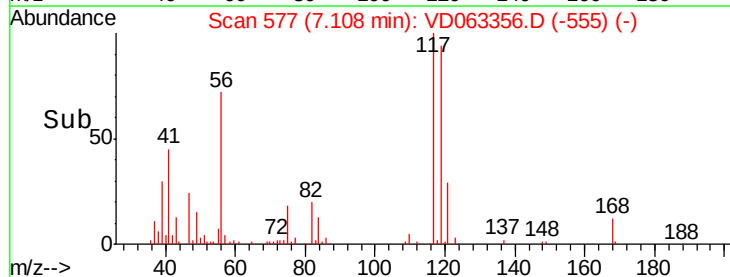
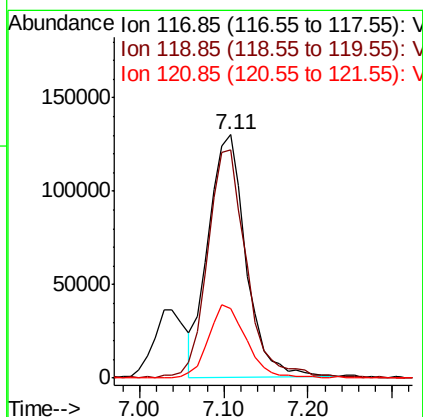
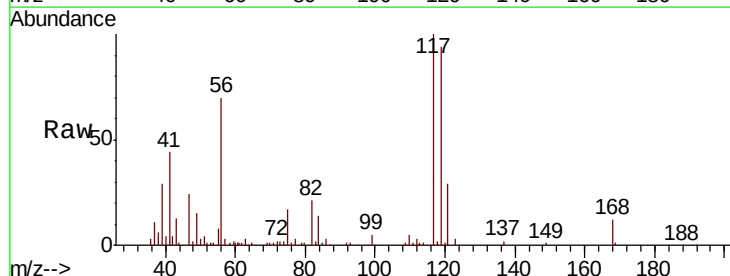
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

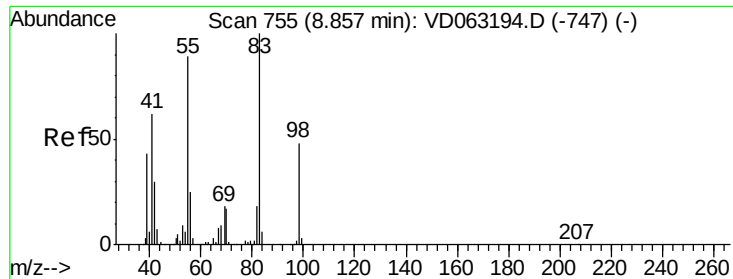
Tot Ion: 43 Resp: 125654
Ion Ratio Lower Upper
43 100
61 16.3 11.3 16.9
70 7.6 5.1 7.7



#38
Carbon Tetrachloride
Concen: 20.326 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion: 117 Resp: 400179
Ion Ratio Lower Upper
117 100
119 93.9 78.2 117.2
121 28.7 22.1 33.1

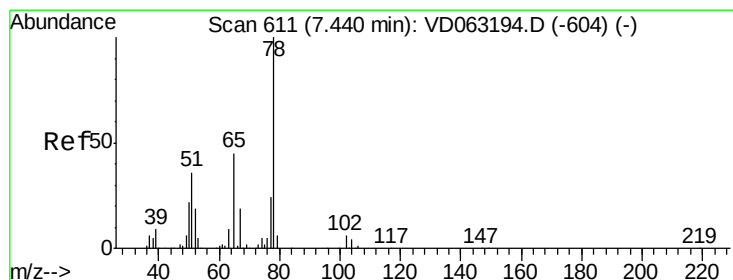
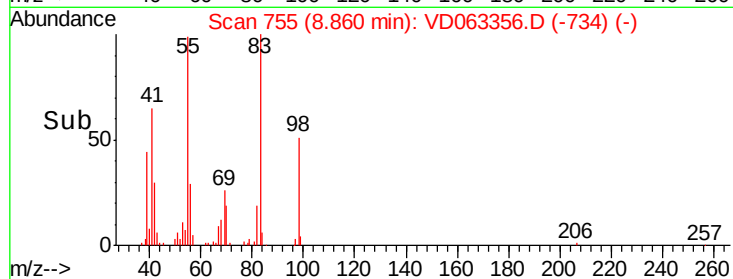
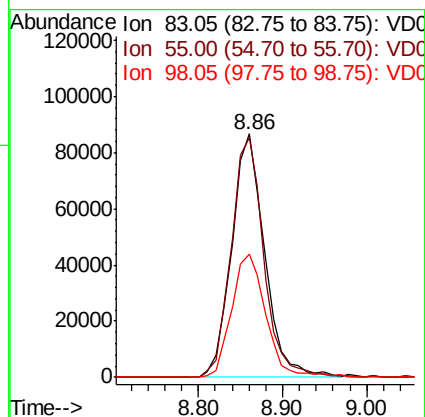
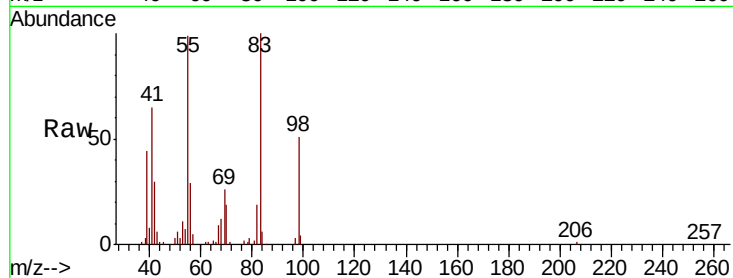




#39
Methylvlcyclohexane
Concen: 21.664 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

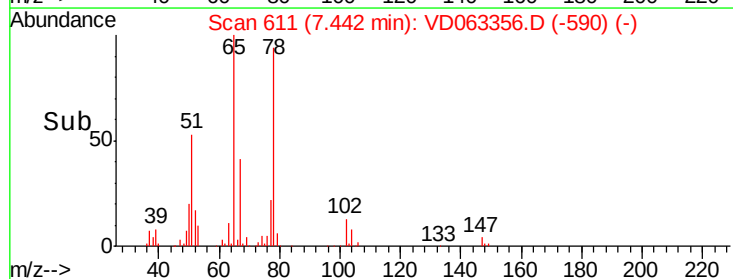
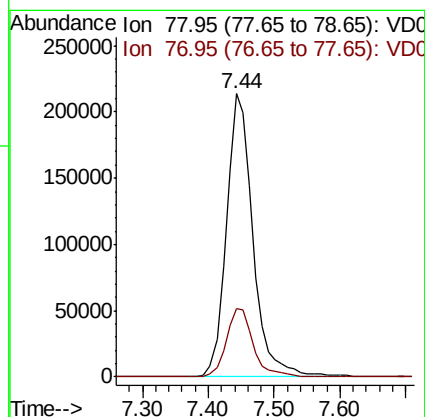
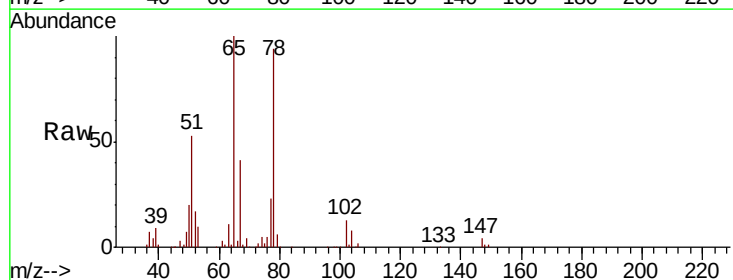
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

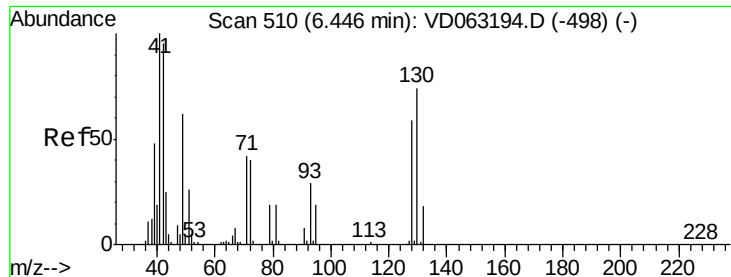
Tot Ion: 83 Resp: 236042
Ion Ratio Lower Upper
83 100
55 98.5 71.1 106.7
98 50.6 38.5 57.7



#40
Benzene
Concen: 21.917 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion: 78 Resp: 600690
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2

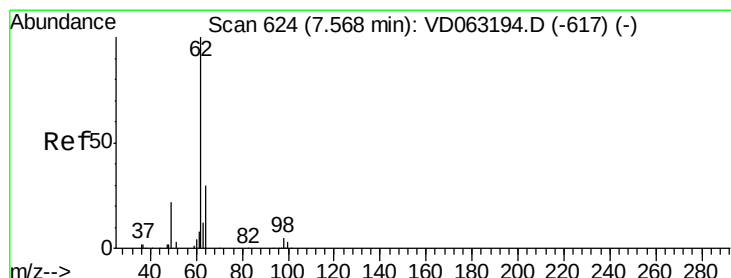
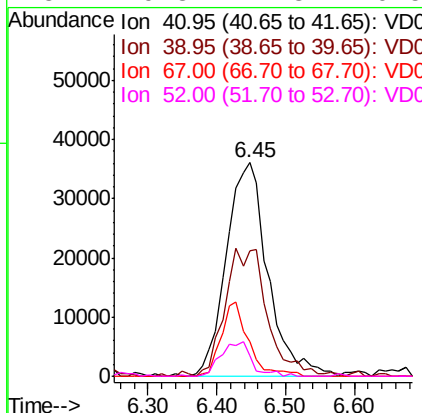
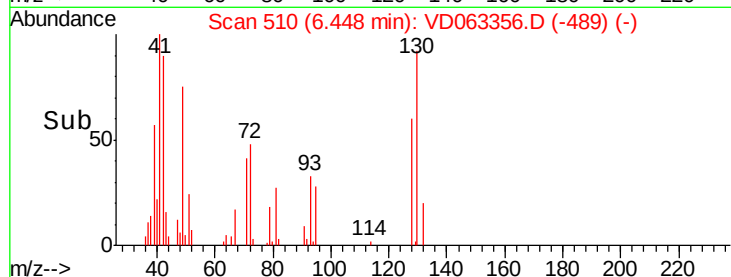
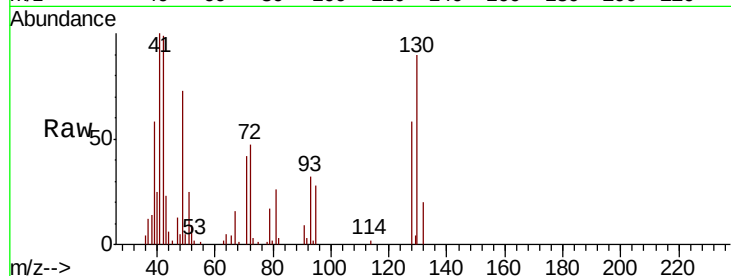




#41
Methacrylonitrile
Concen: 21.437 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

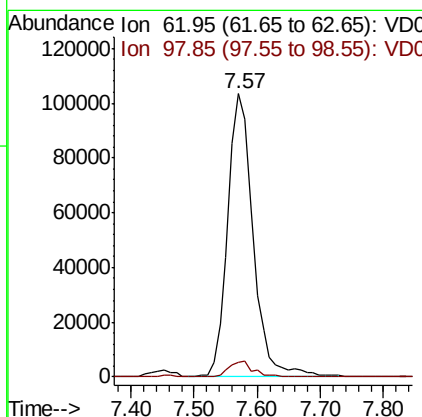
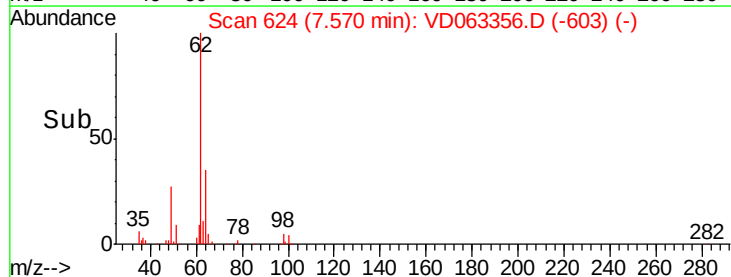
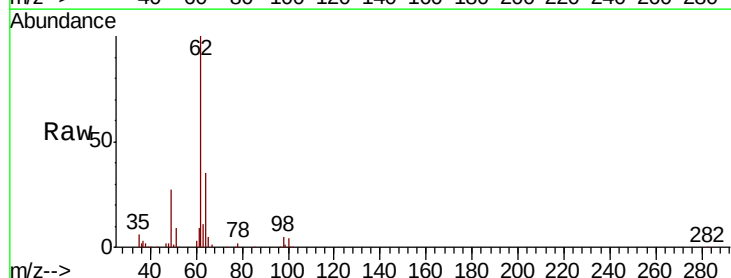
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

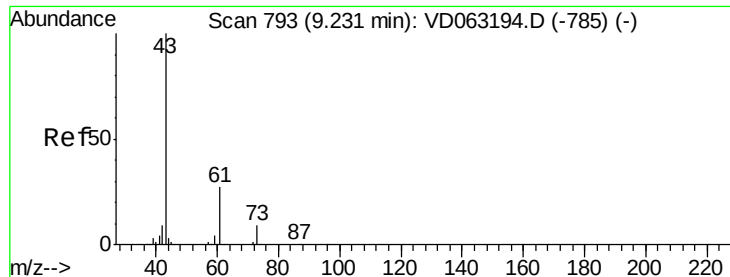
Tot Ion: 41 Resp: 150660
Ion Ratio Lower Upper
41 100
39 58.5 38.4 57.6#
67 16.2 6.7 10.1#
52 9.3 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 19.665 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion: 62 Resp: 285643
Ion Ratio Lower Upper
62 100
98 5.0 0.0 9.8





#43

Isopropyl Acetate

Concen: 22.871 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

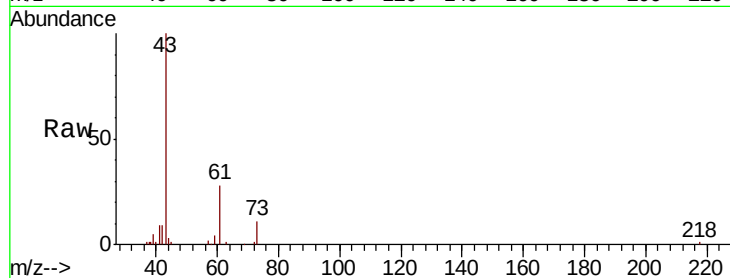
Tot Ion: 43 Resp: 171647

Ion Ratio Lower Upper

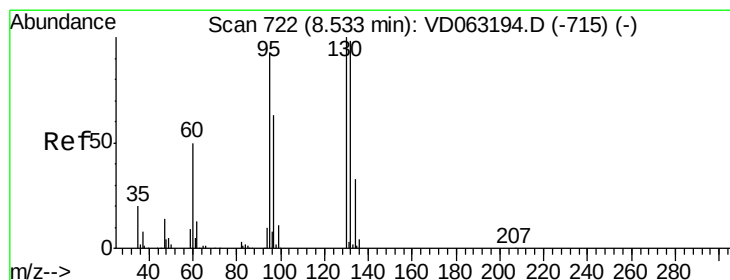
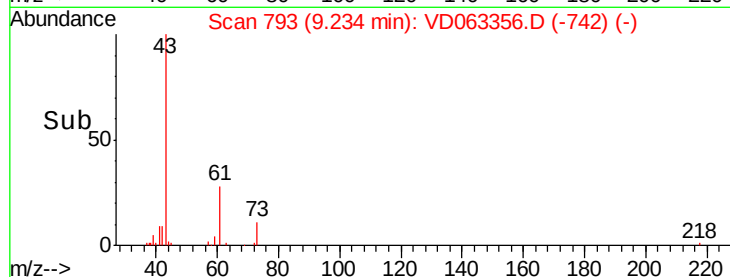
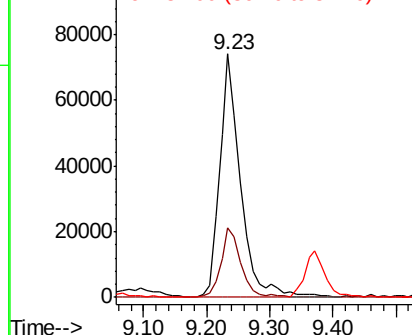
43 100

61 28.3 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: 21.114 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063356.D

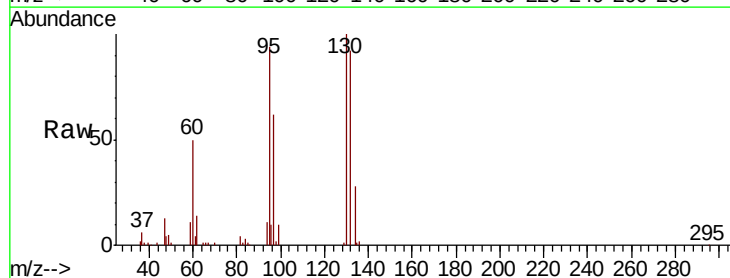
Acq: 3 Aug 2019 12:52

Tgt Ion:130 Resp: 234493

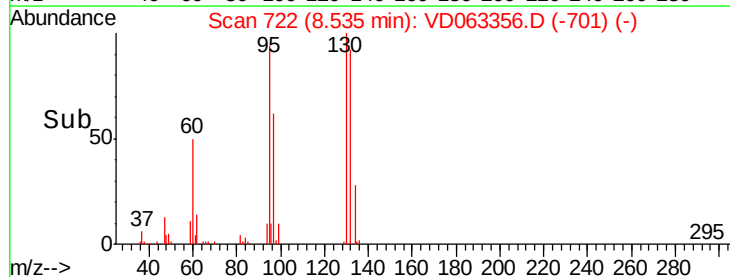
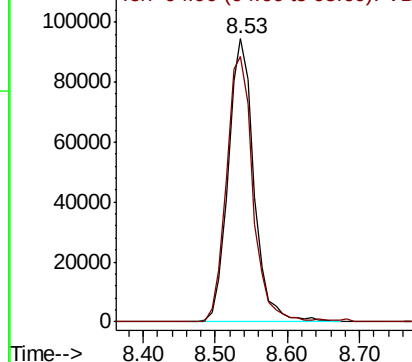
Ion Ratio Lower Upper

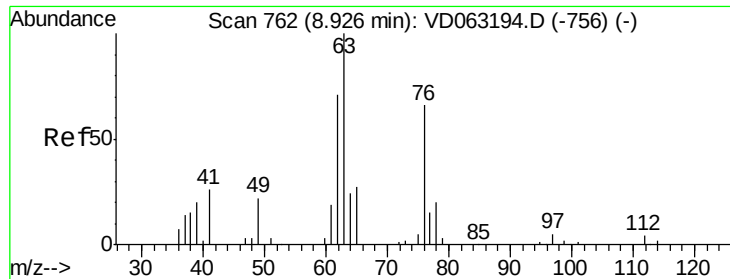
130 100

95 93.8 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: 21.216 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

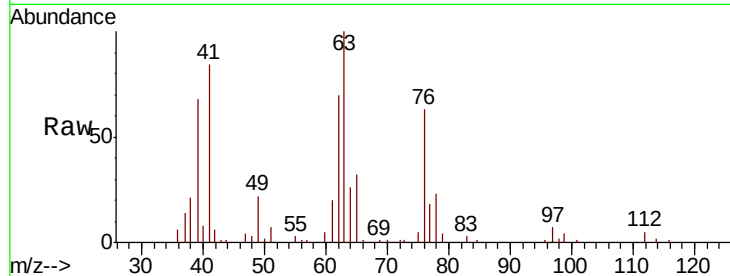
VD0803SBSD01

Tot Ion: 63 Resp: 147797

Ion Ratio Lower Upper

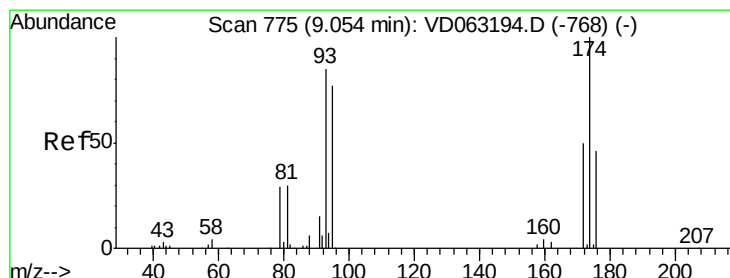
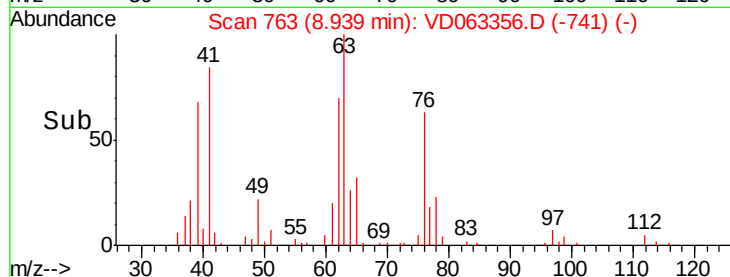
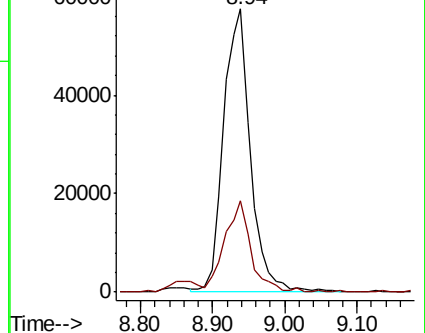
63 100

65 32.2 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.537 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

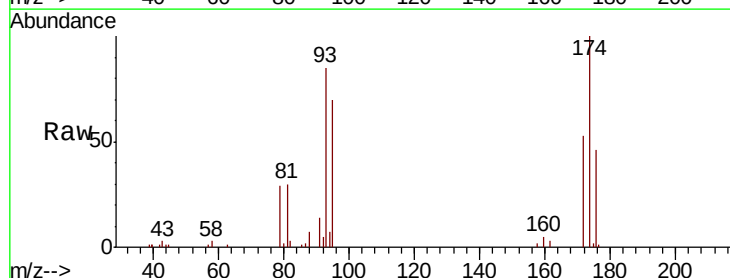
Tgt Ion: 93 Resp: 124754

Ion Ratio Lower Upper

93 100

95 82.1 72.8 109.2

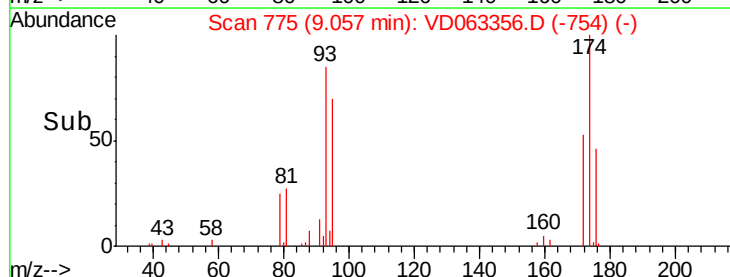
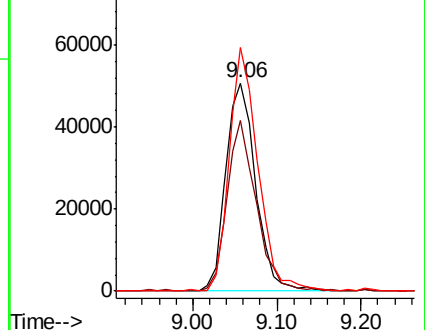
174 117.1 94.4 141.6

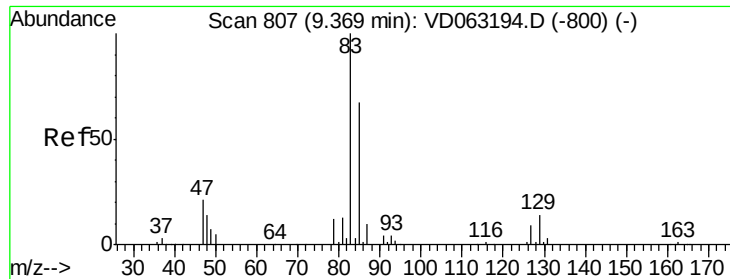


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.032 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

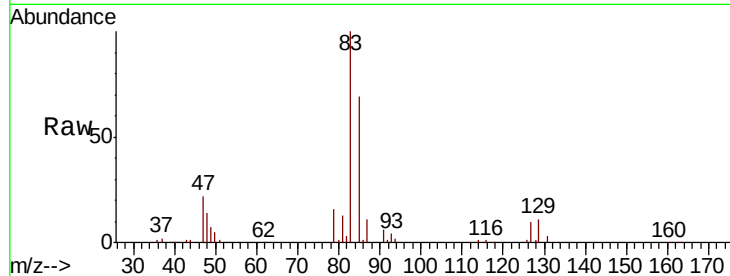
Tot Ion: 83 Resp: 310546

Ion Ratio Lower Upper

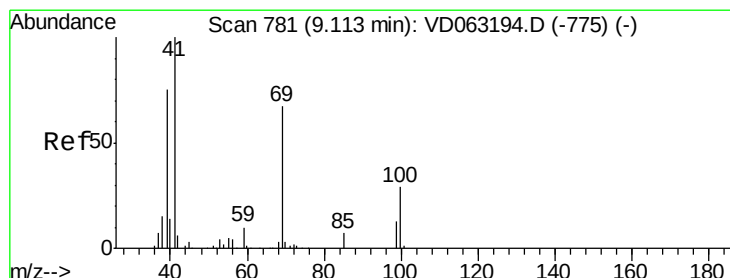
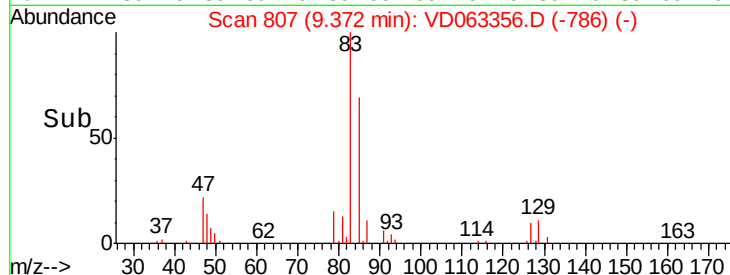
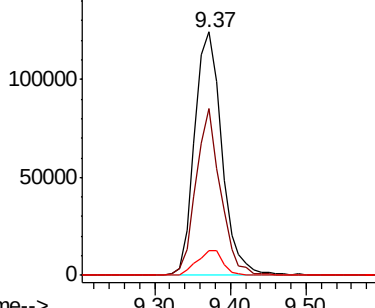
83 100

85 68.6 53.6 80.4

127 10.4 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: 23.321 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

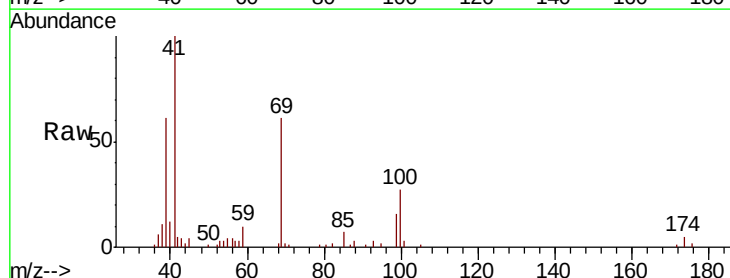
Tgt Ion: 41 Resp: 113511

Ion Ratio Lower Upper

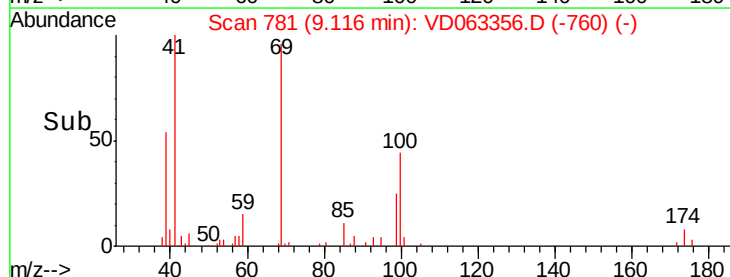
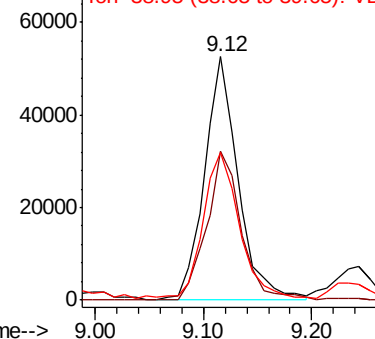
41 100

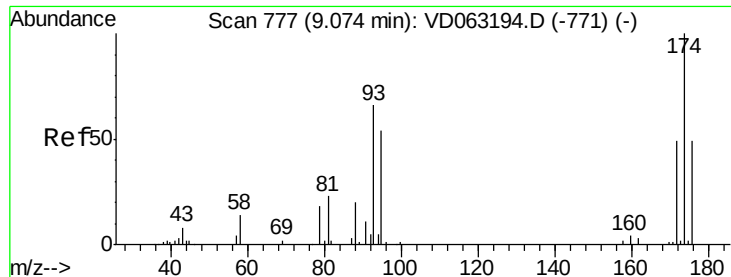
69 61.2 53.4 80.0

39 60.9 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: 497.489 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

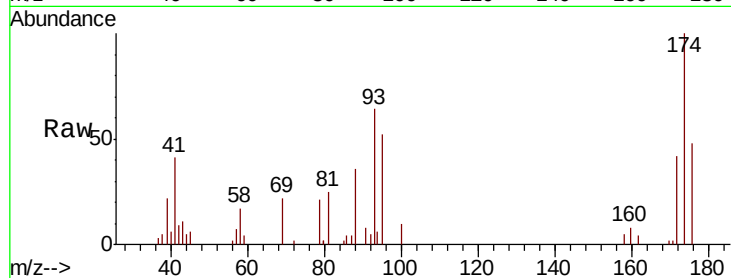
Tot Ion: 88 Resp: 20598

Ion Ratio Lower Upper

88 100

43 31.5 30.7 46.1

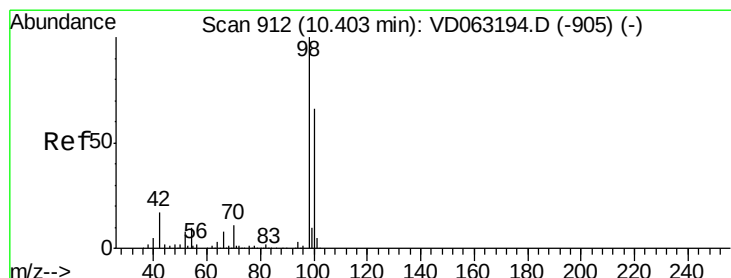
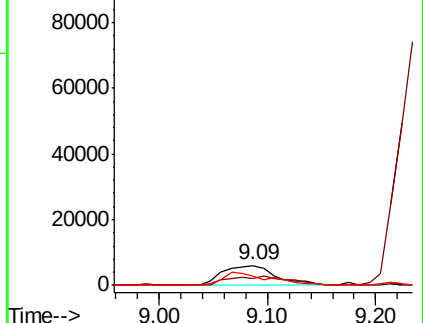
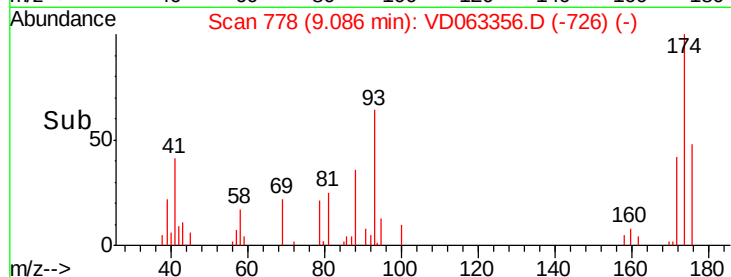
58 46.9 56.5 84.7#



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: 52.617 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063356.D

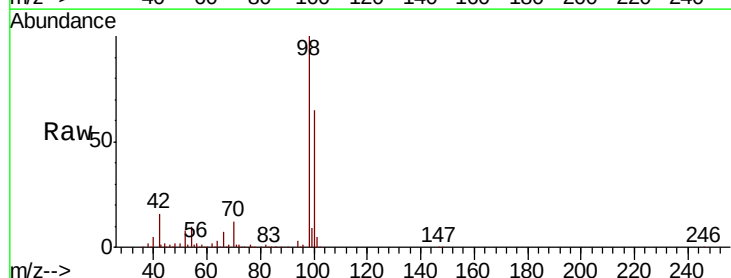
Acq: 3 Aug 2019 12:52

Tgt Ion: 98 Resp: 1440685

Ion Ratio Lower Upper

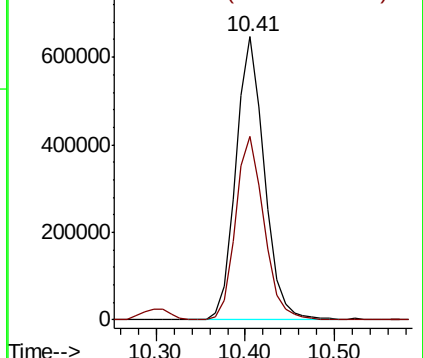
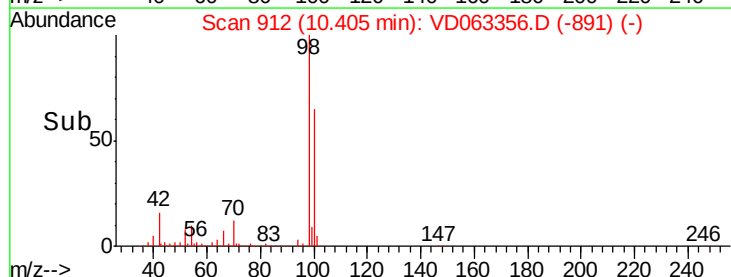
98 100

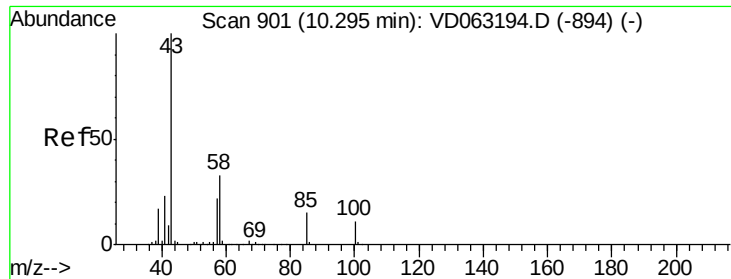
100 65.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

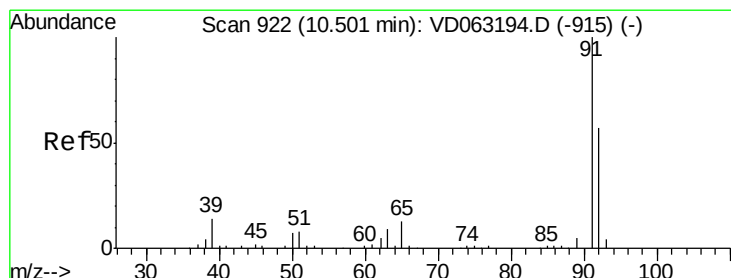
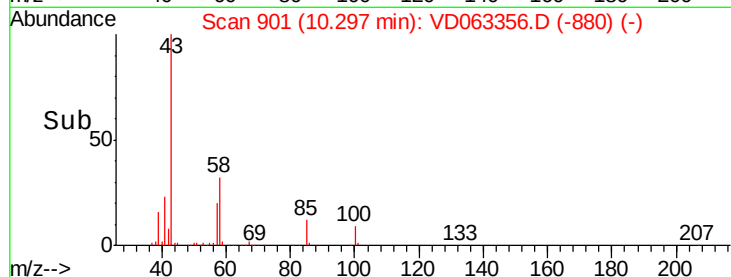
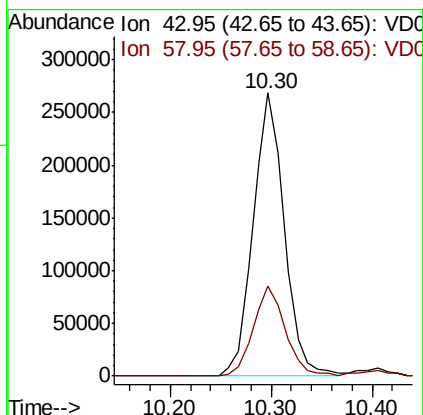
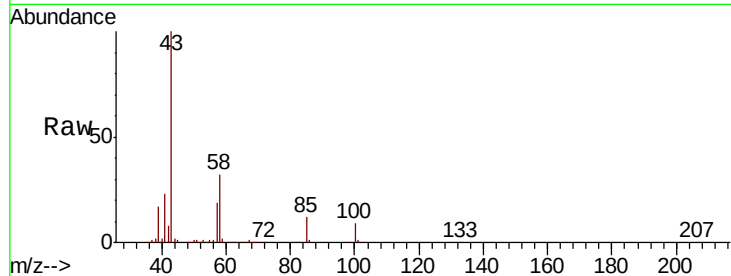




#51
 4-Methyl-2-Pentanone
 Concen: 113.174 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

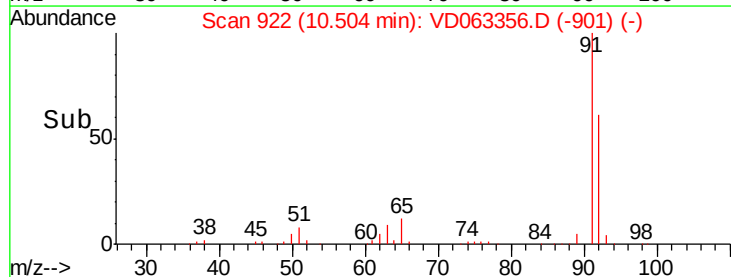
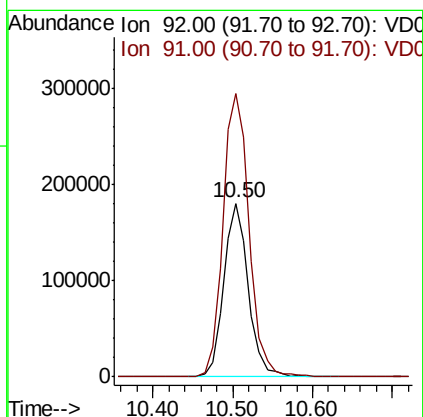
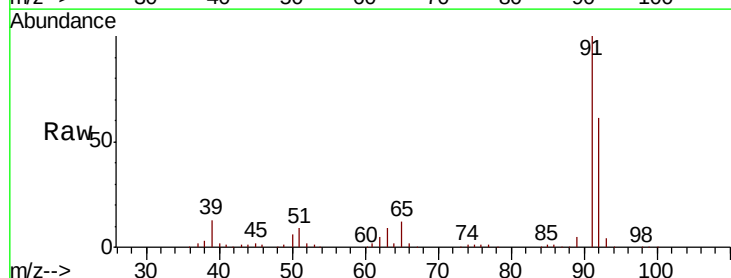
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

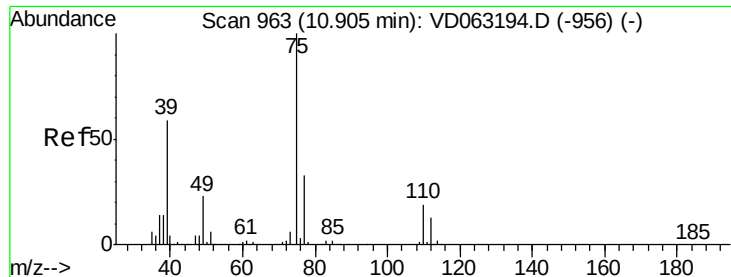
Tot Ion: 43 Resp: 577638
 Ion Ratio Lower Upper
 43 100
 58 31.7 26.2 39.2



#52
 Toluene
 Concen: 21.383 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 92 Resp: 389797
 Ion Ratio Lower Upper
 92 100
 91 163.0 140.8 211.2

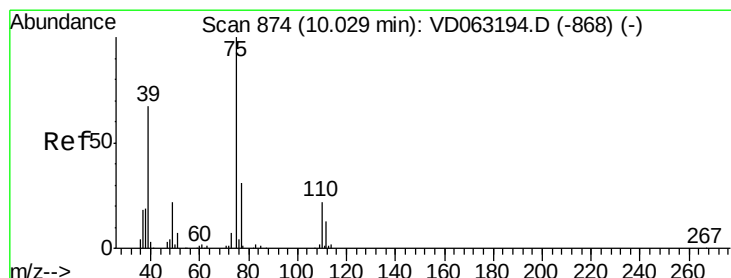
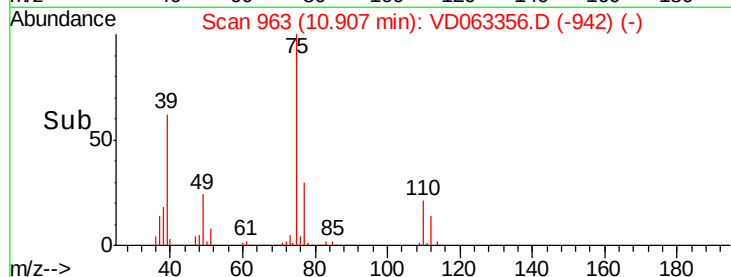
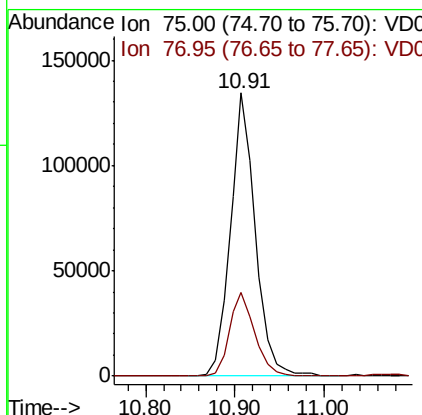
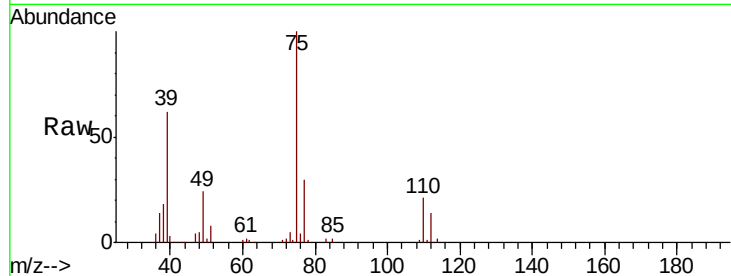




#53
 t-1,3-Dichloropropene
 Concen: 20.625 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

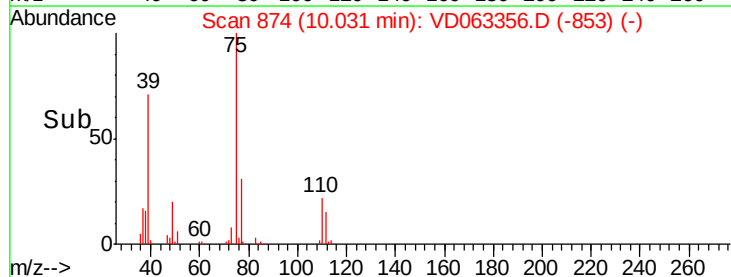
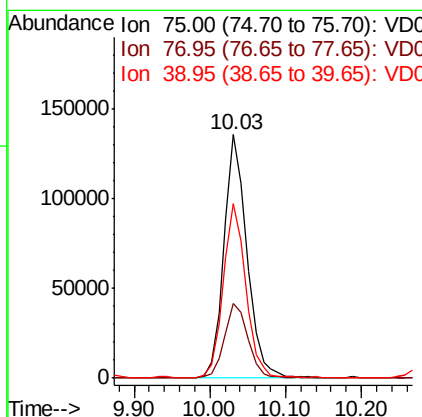
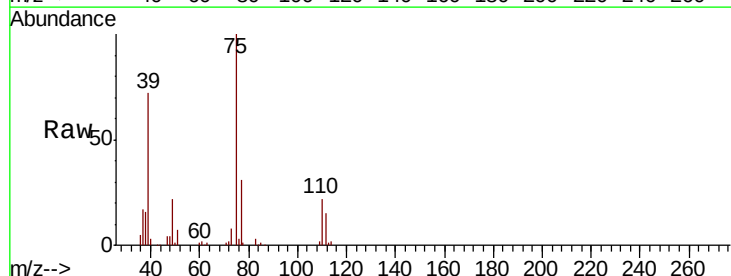
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

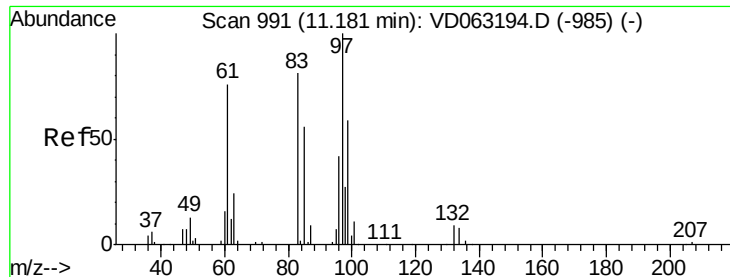
Tot Ion: 75 Resp: 262561
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.356 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 75 Resp: 285717
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.9 37.3
 39 71.6 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 21.934 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

Tot Ion: 97 Resp: 135041

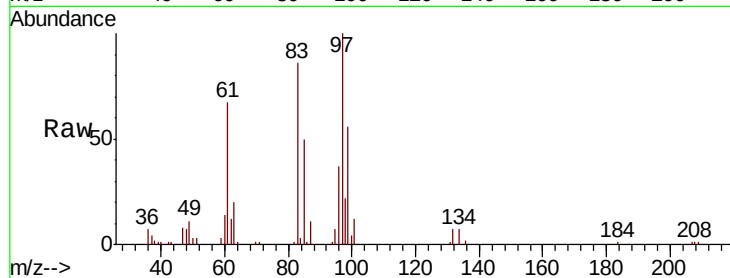
Ion Ratio Lower Upper

97 100

83 85.9 64.8 97.2

85 49.9 44.9 67.3

99 56.3 47.2 70.8

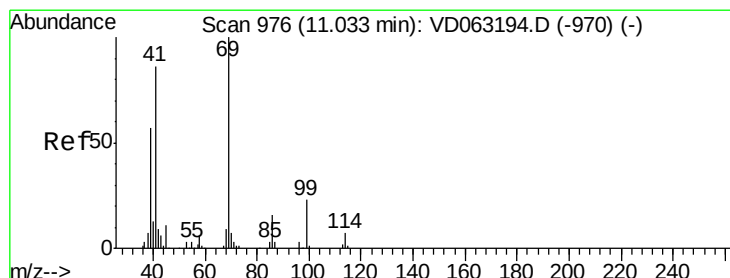
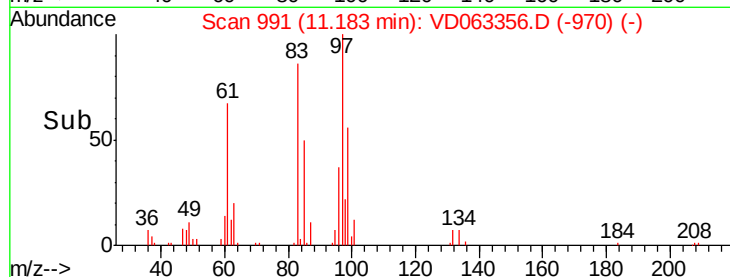
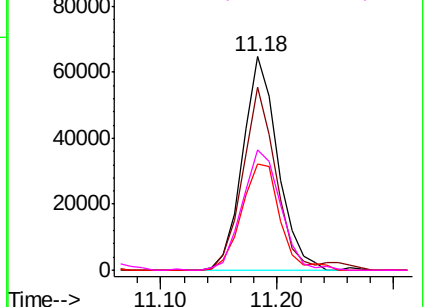


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.708 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

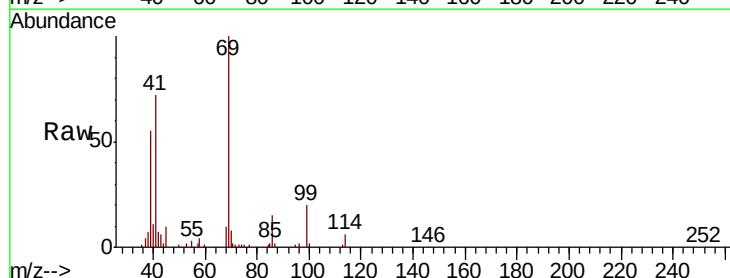
Tgt Ion: 69 Resp: 132867

Ion Ratio Lower Upper

69 100

41 71.5 68.8 103.2

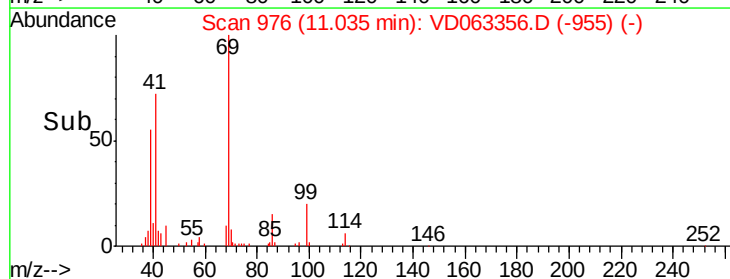
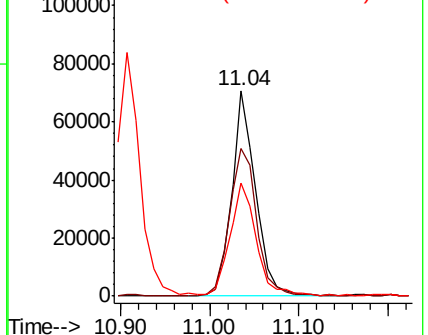
39 54.9 45.8 68.8

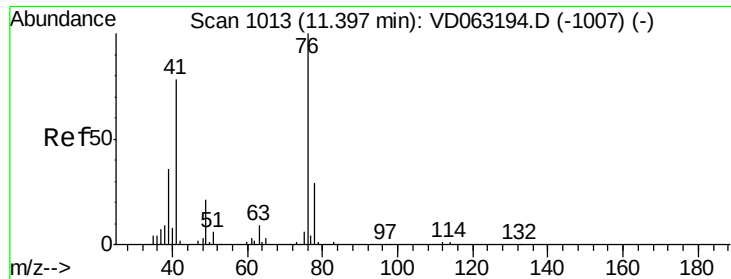


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

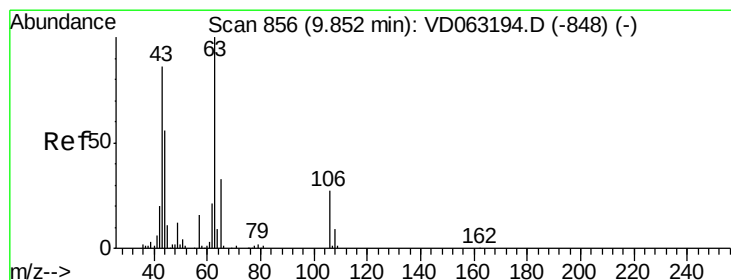
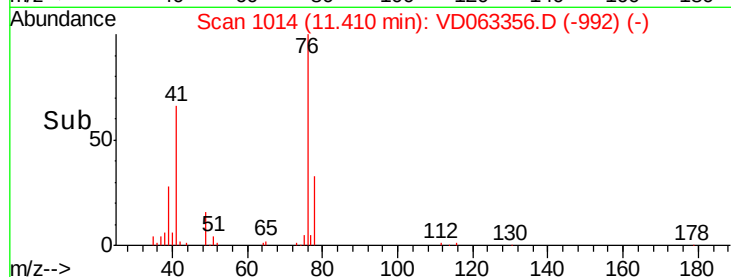
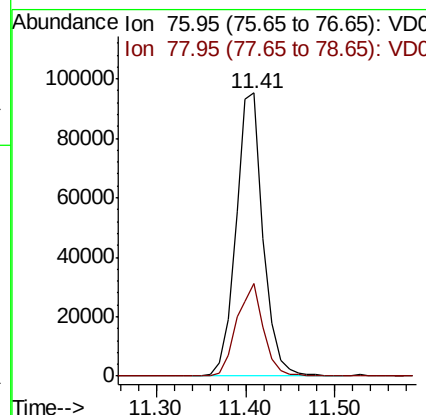
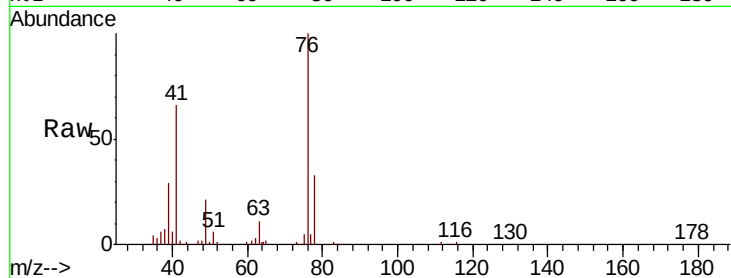




#57
 1,3-Dichloropropane
 Concen: 20.855 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

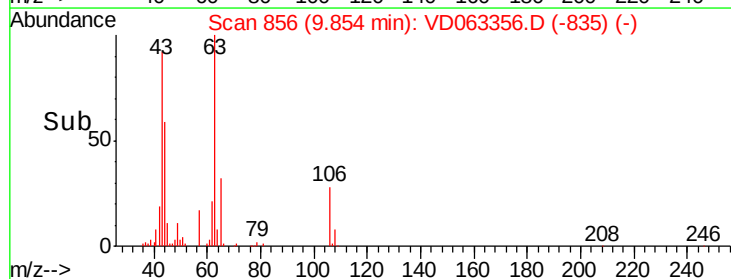
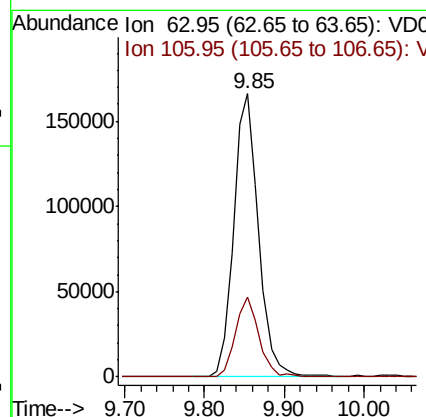
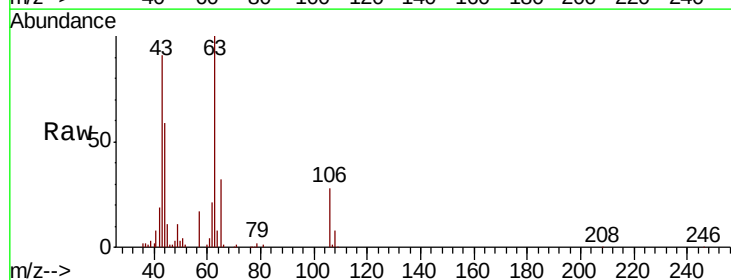
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

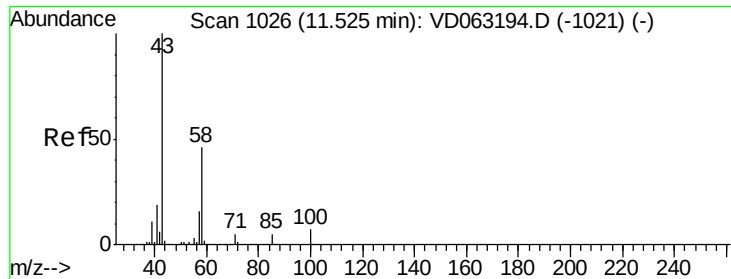
Tot Ion: 76 Resp: 202297
 Ion Ratio Lower Upper
 76 100
 78 32.8 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.911 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 63 Resp: 361006
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.0 33.0

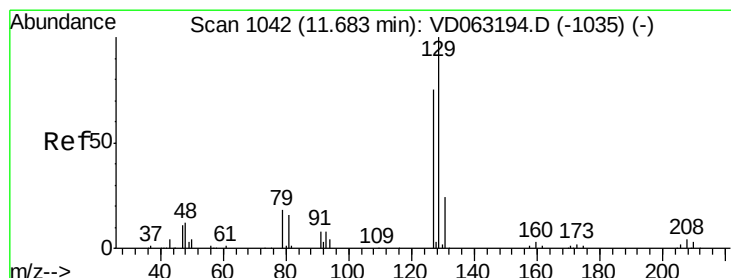
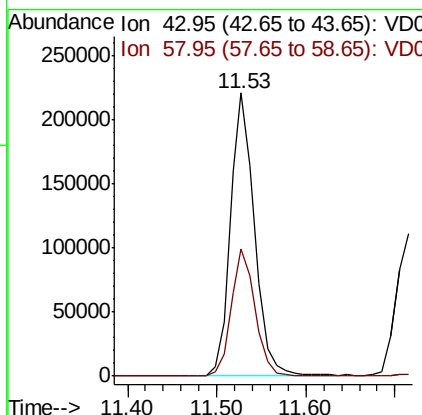
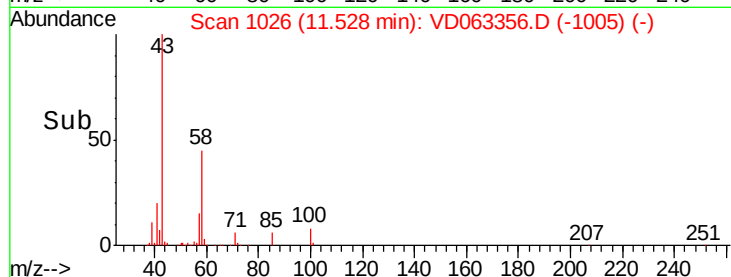
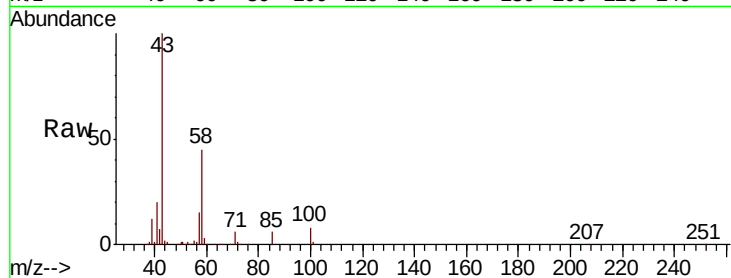




#59
2-Hexanone
Concen: 114.149 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

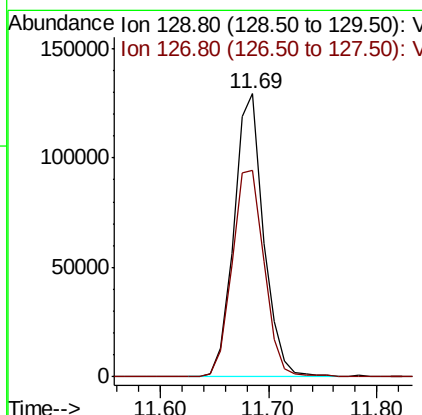
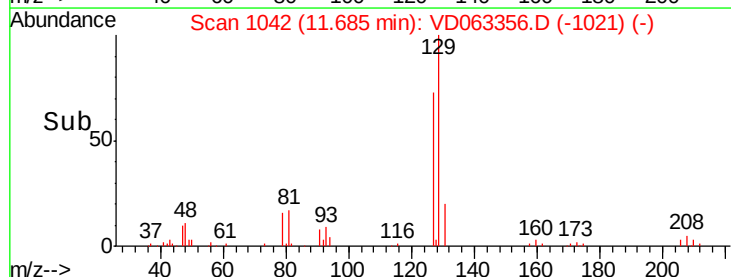
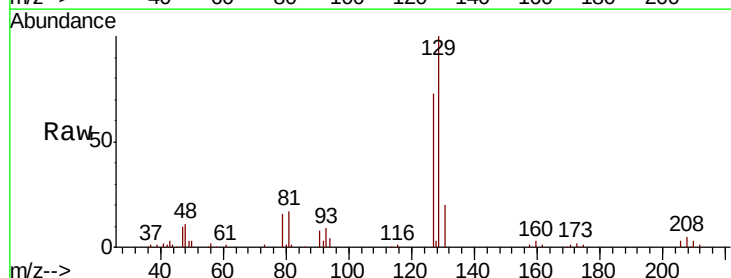
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

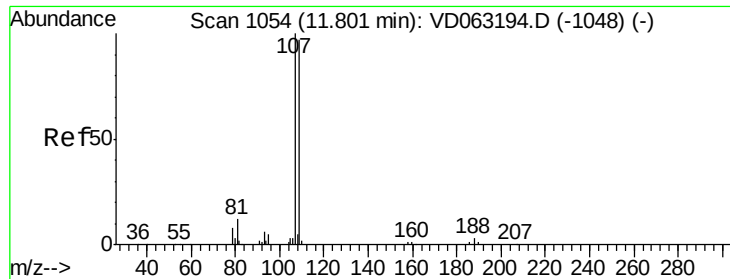
Tot Ion: 43 Resp: 419855
Ion Ratio Lower Upper
43 100
58 45.1 22.9 68.5



#60
Dibromochloromethane
Concen: 21.196 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion: 129 Resp: 246349
Ion Ratio Lower Upper
129 100
127 73.1 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.308 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

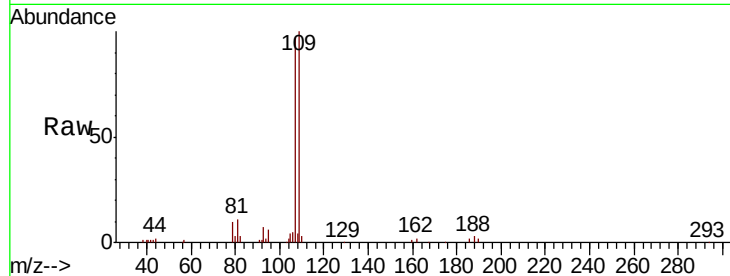
VD0803SBSD01

Tot Ion:107 Resp: 161875

Ion Ratio Lower Upper

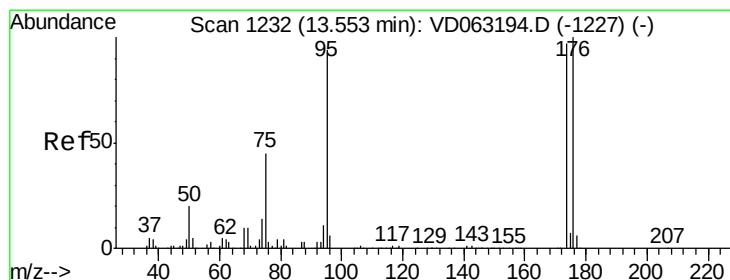
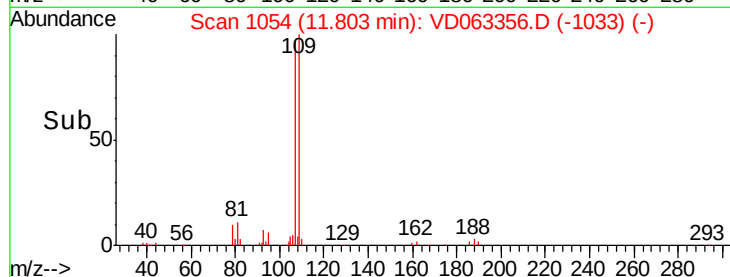
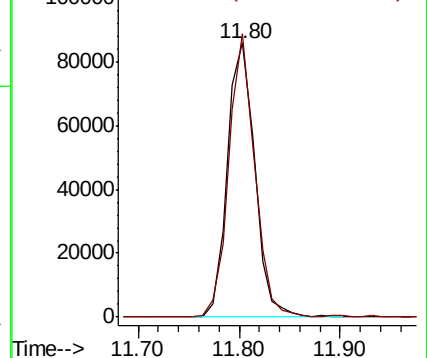
107 100

109 103.4 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 48.318 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

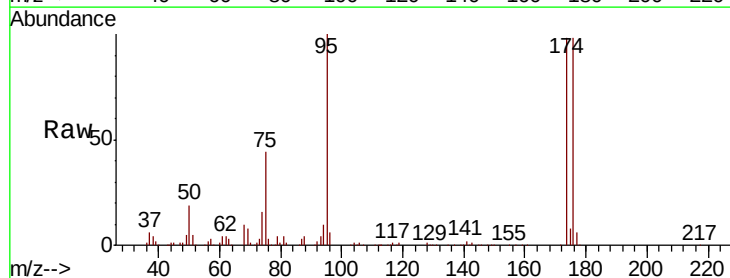
Tgt Ion: 95 Resp: 602867

Ion Ratio Lower Upper

95 100

174 97.8 0.0 205.4

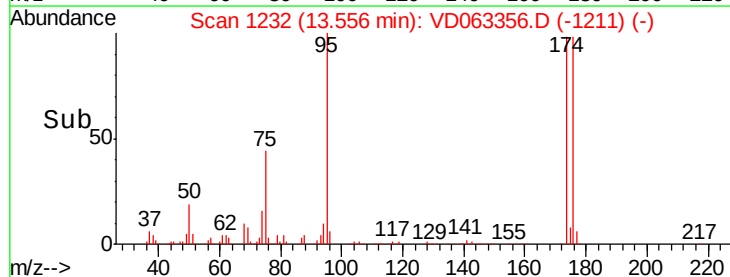
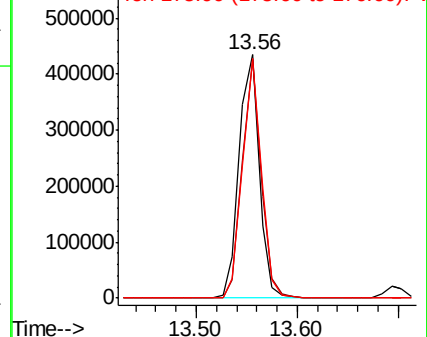
176 98.4 0.0 211.8

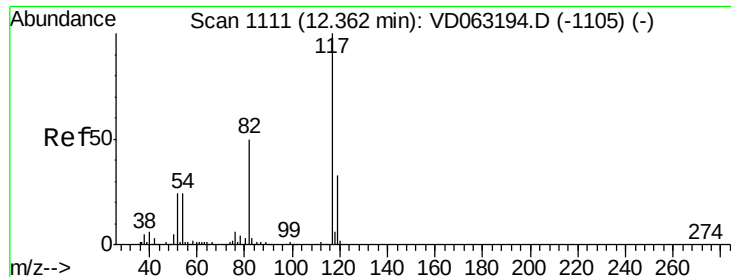


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

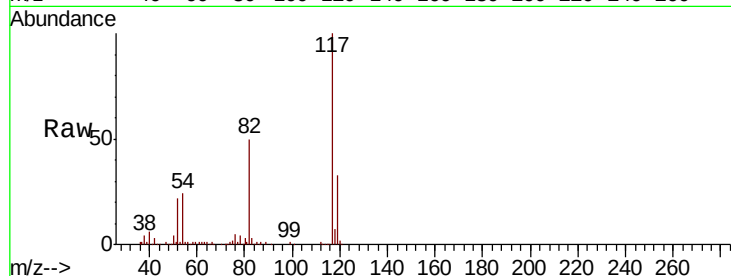




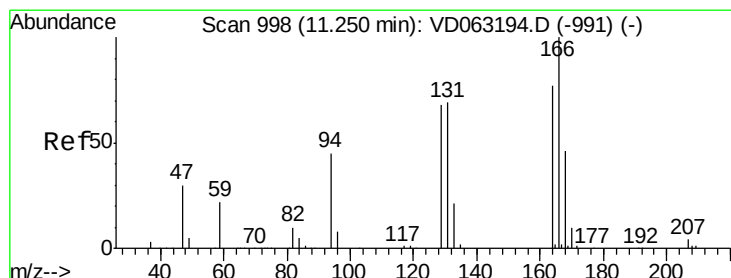
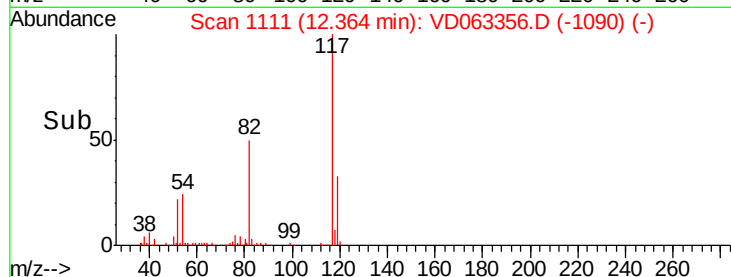
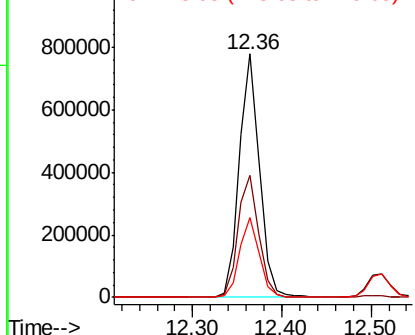
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

Tot Ion:117 Resp: 1230858
Ion Ratio Lower Upper
117 100
82 50.1 40.1 60.1
119 33.0 26.5 39.7

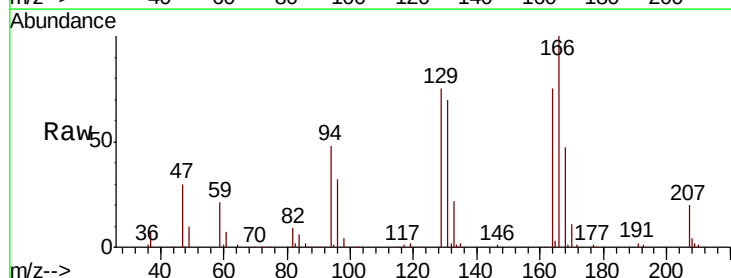


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

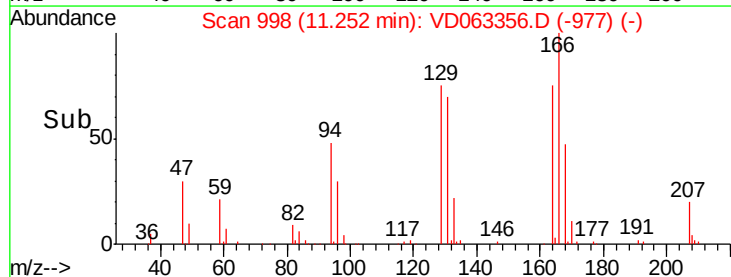
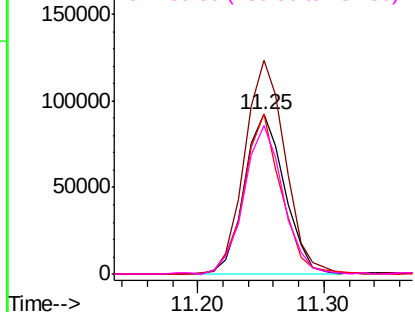


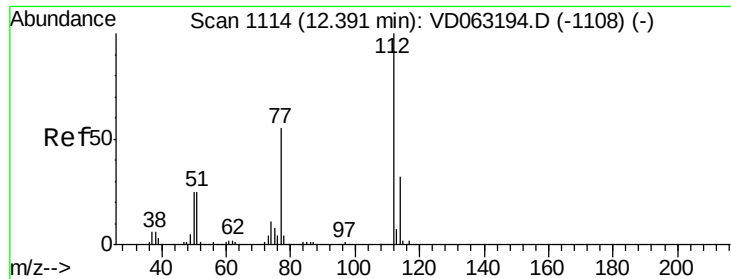
#64
Tetrachloroethene
Concen: 20.842 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion:164 Resp: 204372
Ion Ratio Lower Upper
164 100
166 133.8 104.3 156.5
129 99.9 70.9 106.3
131 93.3 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

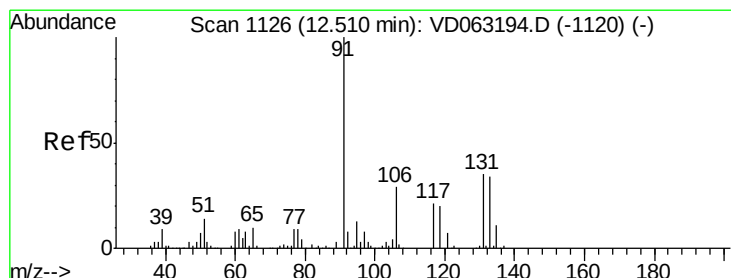
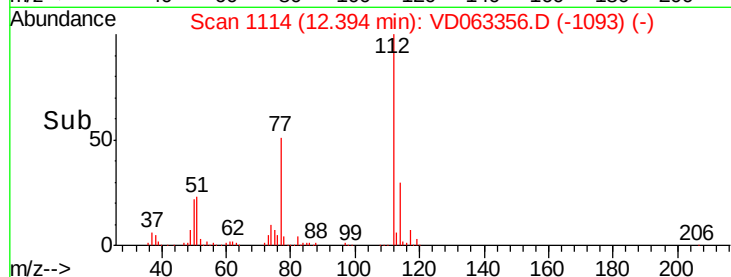
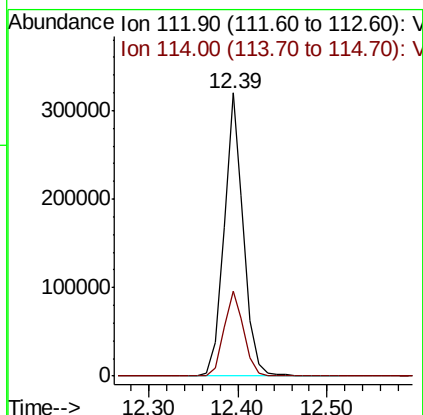
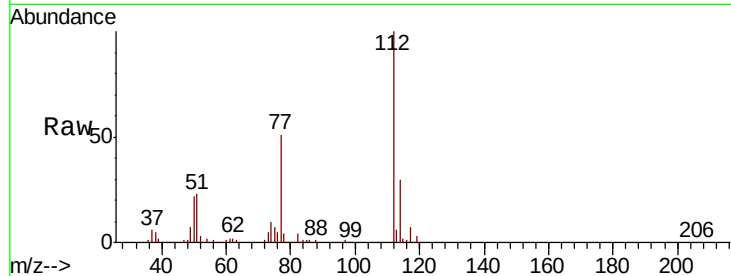




#65
Chlorobenzene
Concen: 20.512 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

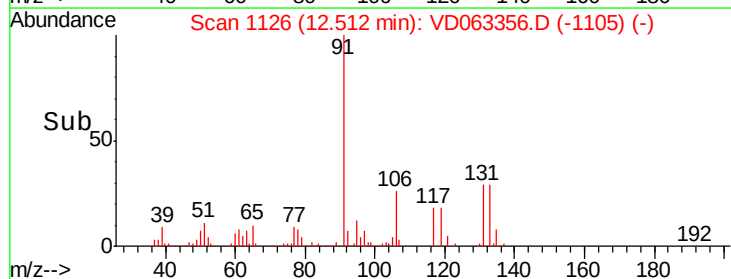
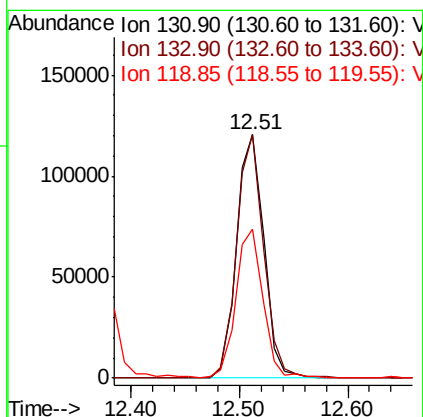
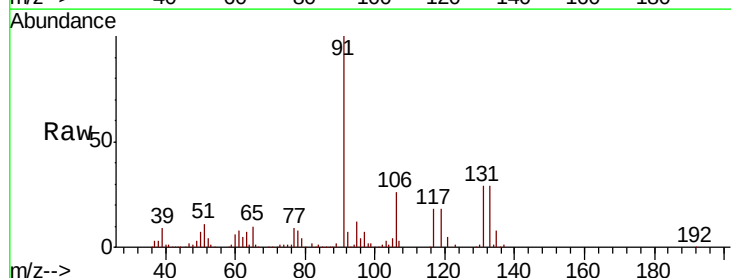
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

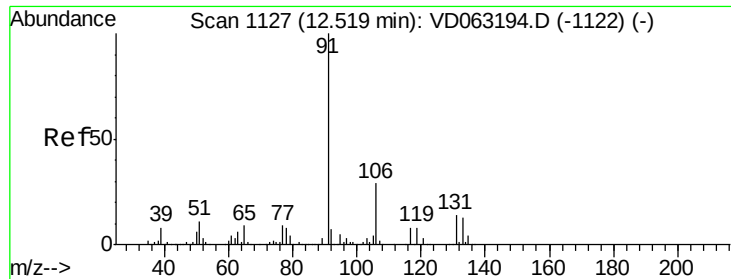
Tot Ion:112 Resp: 485617
Ion Ratio Lower Upper
112 100
114 30.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.208 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion:131 Resp: 210740
Ion Ratio Lower Upper
131 100
133 99.9 48.4 145.2
119 61.4 29.1 87.3





#67

Ethyl Benzene

Concen: 21.048 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

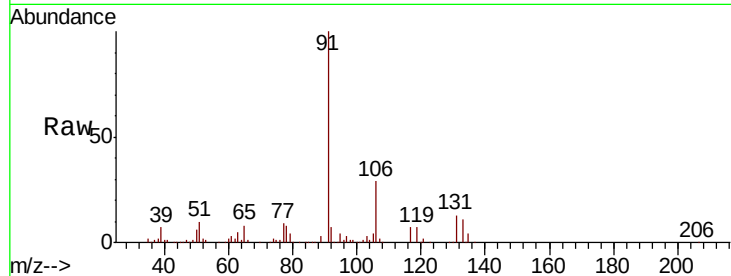
VD0803SBSD01

Tot Ion: 91 Resp: 846515

Ion Ratio Lower Upper

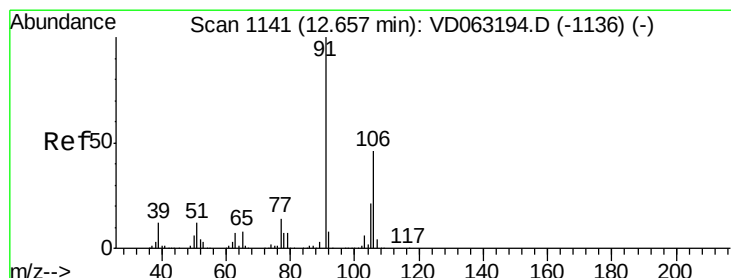
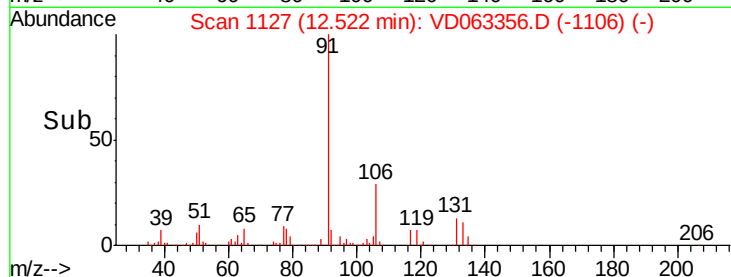
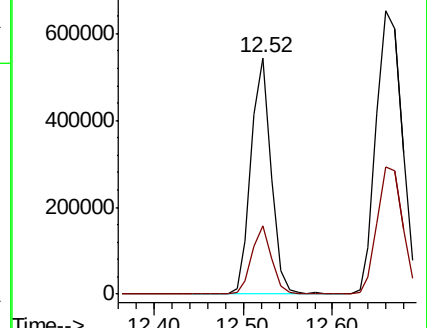
91 100

106 28.7 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 39.413 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VD063356.D

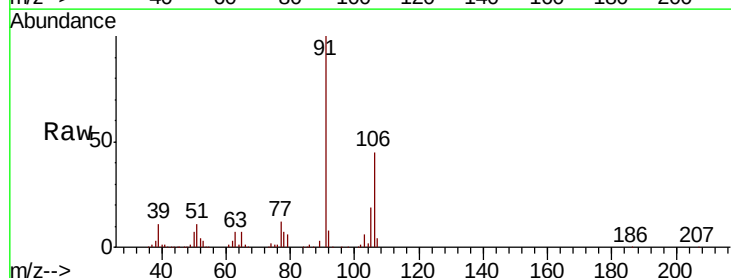
Acq: 3 Aug 2019 12:52

Tgt Ion: 106 Resp: 581309

Ion Ratio Lower Upper

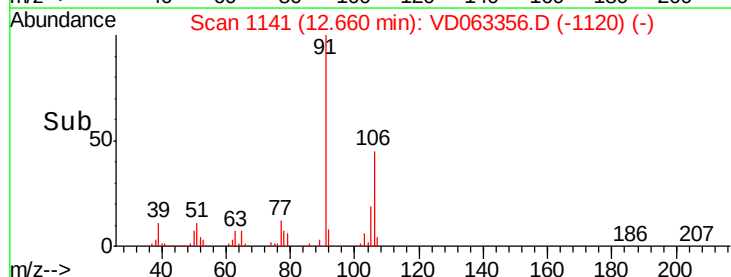
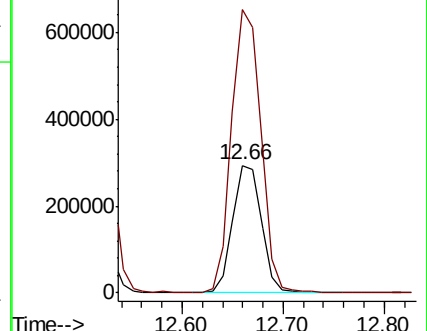
106 100

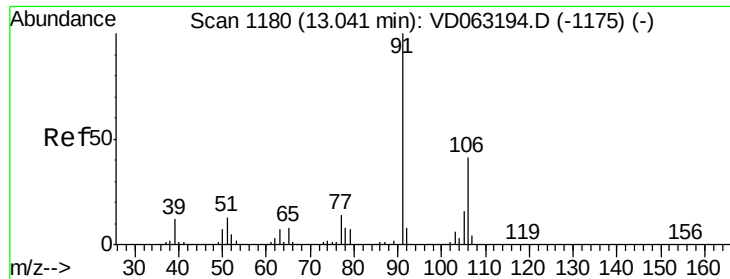
91 222.4 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

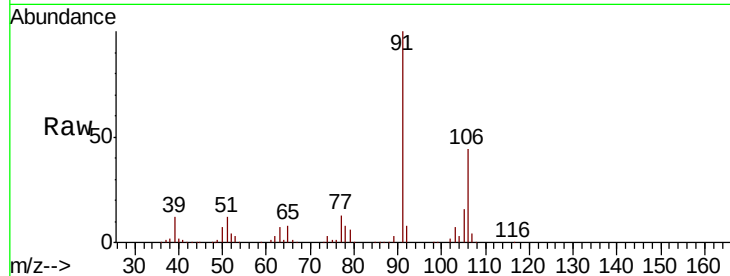




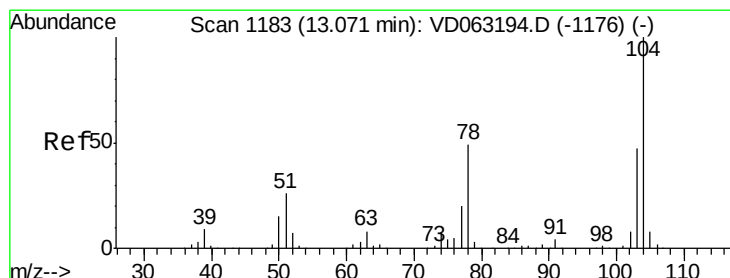
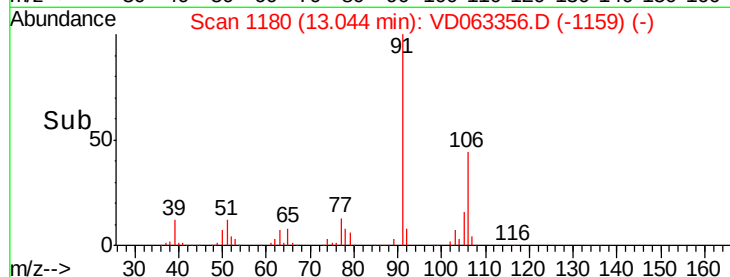
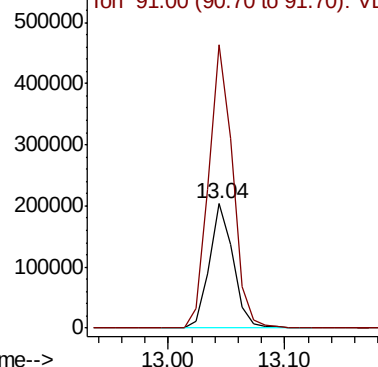
#69
o-Xylene
Concen: 21.263 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

Tot Ion:106 Resp: 287998
Ion Ratio Lower Upper
106 100
91 227.5 121.3 363.9

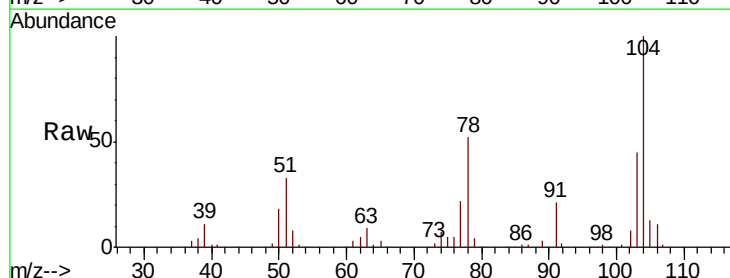


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

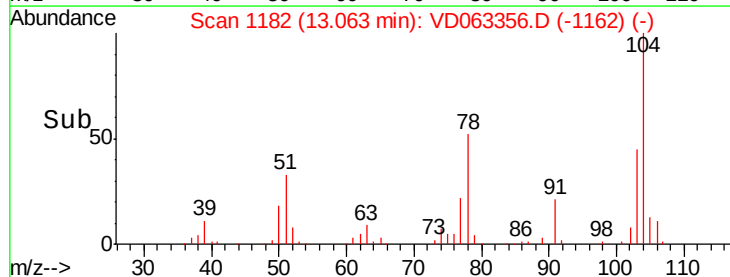
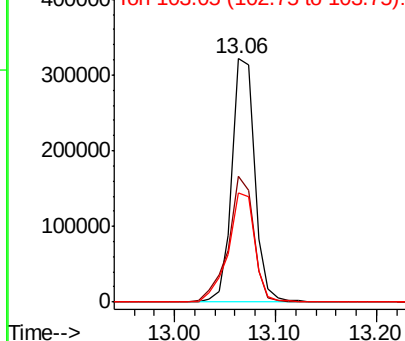


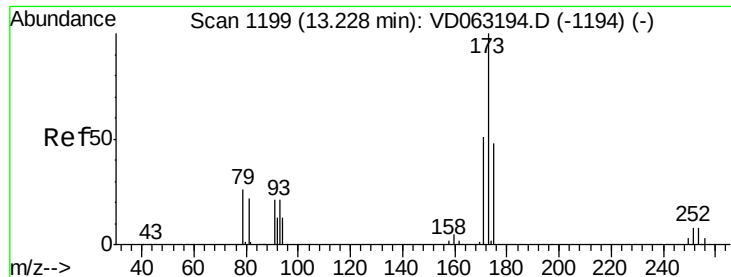
#70
Styrene
Concen: 21.013 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion:104 Resp: 504734
Ion Ratio Lower Upper
104 100
78 51.6 39.4 59.0
103 44.7 37.4 56.2



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





#71

Bromoform

Concen: 19.377 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

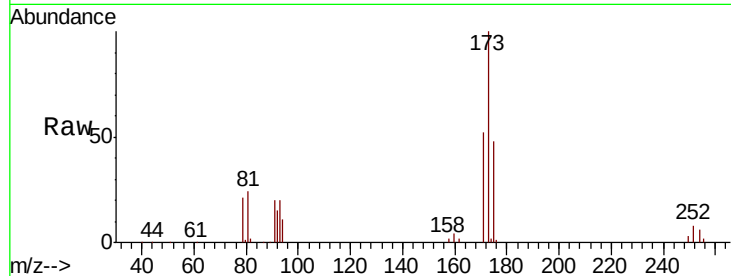
Tot Ion:173 Resp: 146954

Ion Ratio Lower Upper

173 100

175 48.1 23.8 71.5

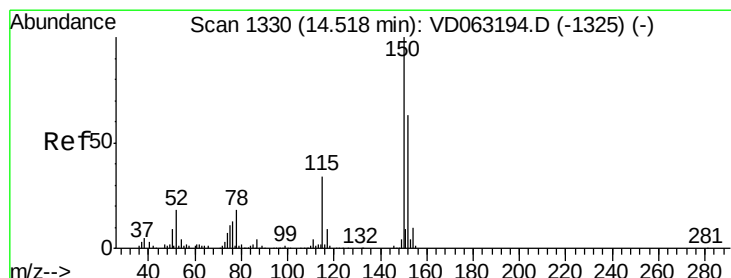
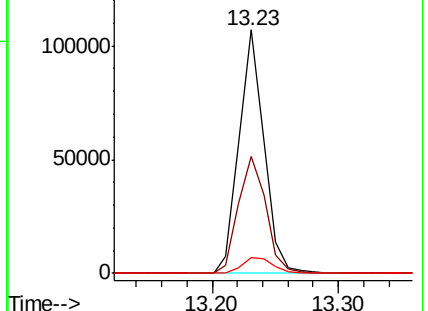
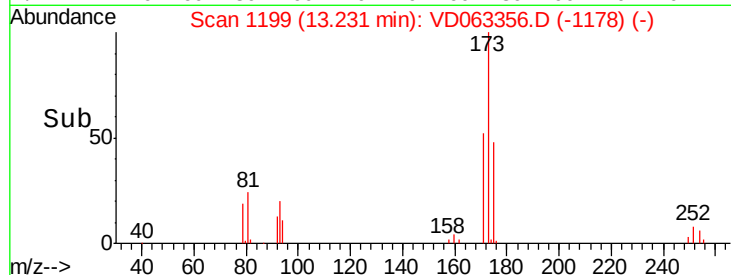
254 6.3 6.6 10.0#



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: VD063356.D

Acq: 3 Aug 2019 12:52

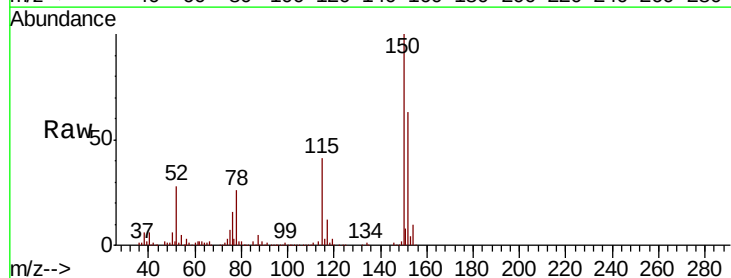
Tgt Ion:152 Resp: 647329

Ion Ratio Lower Upper

152 100

115 64.0 27.5 82.4

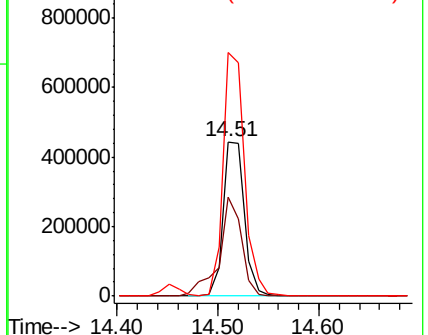
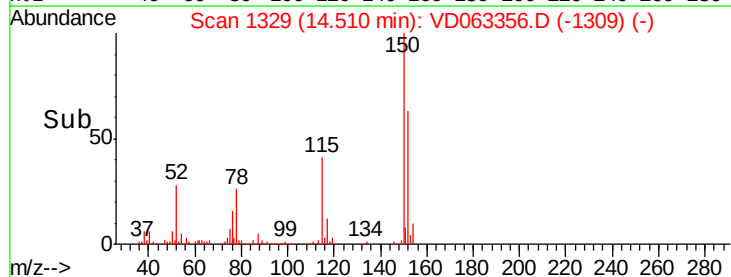
150 157.7 0.0 320.6

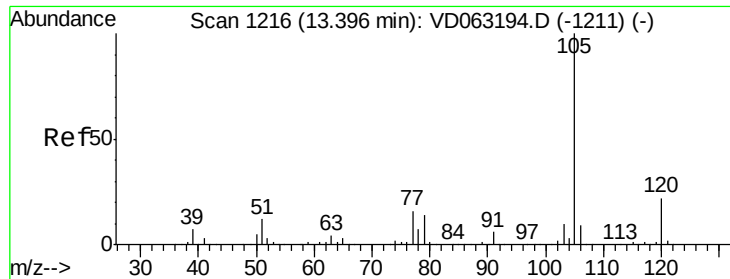


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.302 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

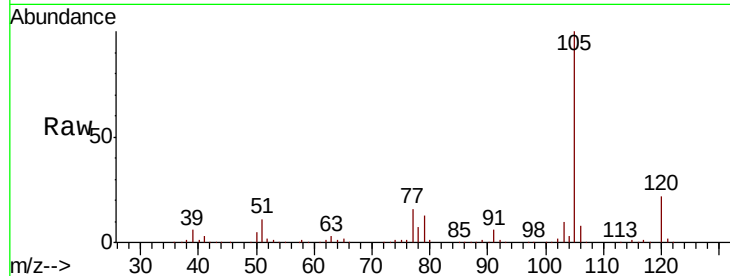
VD0803SBSD01

Tot Ion:105 Resp: 906106

Ion Ratio Lower Upper

105 100

120 22.1 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

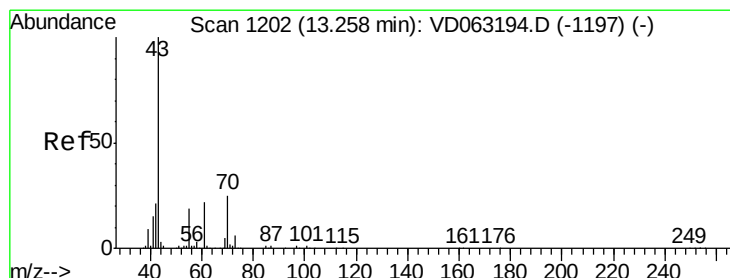
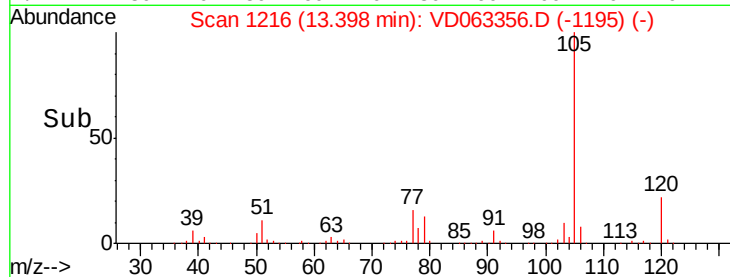
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.721 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Tgt Ion: 43 Resp: 233294

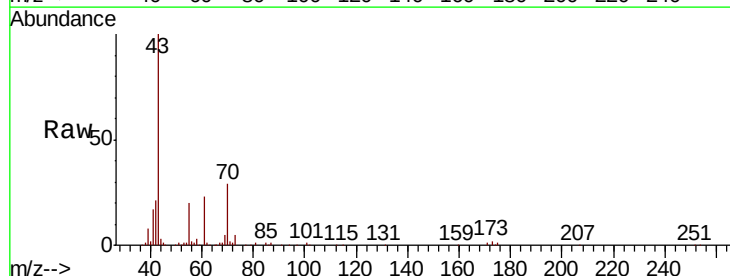
Ion Ratio Lower Upper

43 100

70 28.9 20.2 30.4

55 19.7 14.9 22.3

61 22.5 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

250000

200000

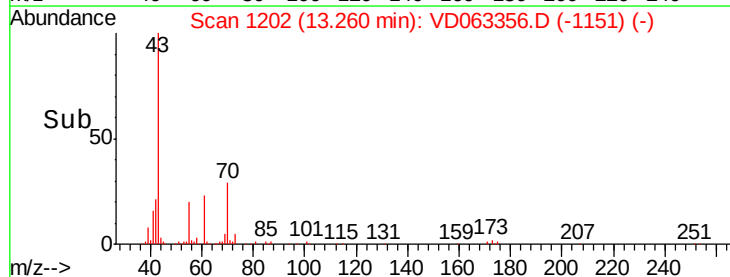
150000

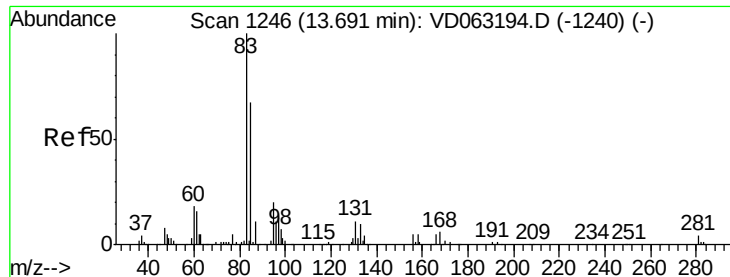
100000

50000

0

Time--> 13.10 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 23.258 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

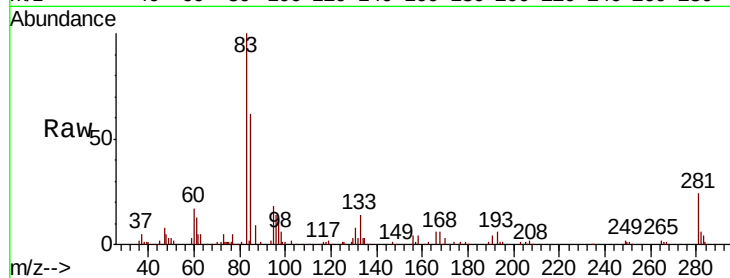
Tot Ion: 83 Resp: 160509

Ion Ratio Lower Upper

83 100

131 8.2 5.5 16.7

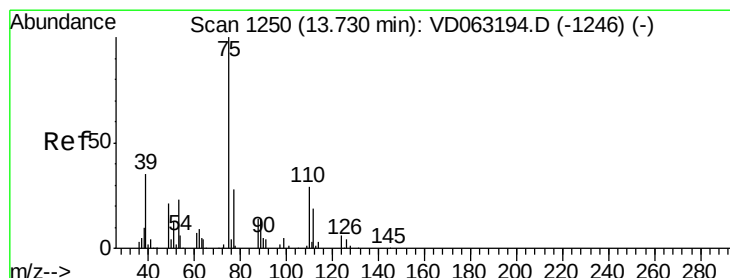
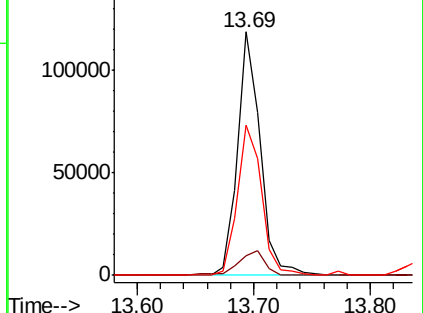
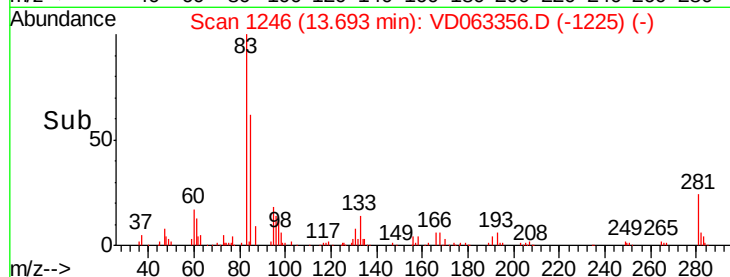
85 61.9 33.7 101.1



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: 19.997 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063356.D

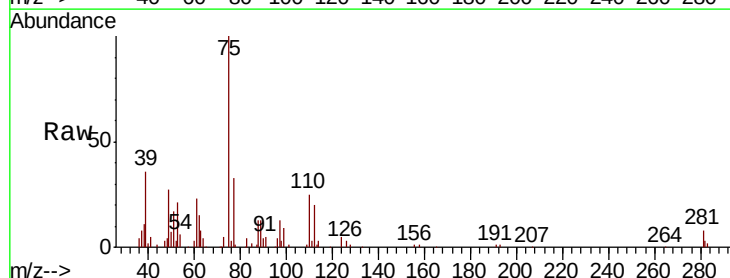
Acq: 3 Aug 2019 12:52

Tgt Ion: 75 Resp: 155479

Ion Ratio Lower Upper

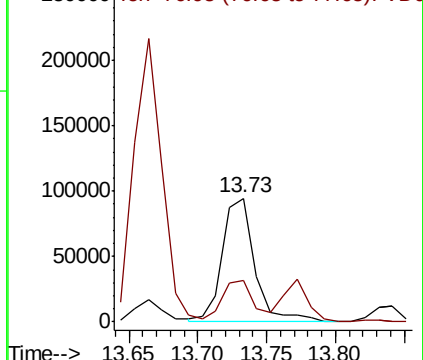
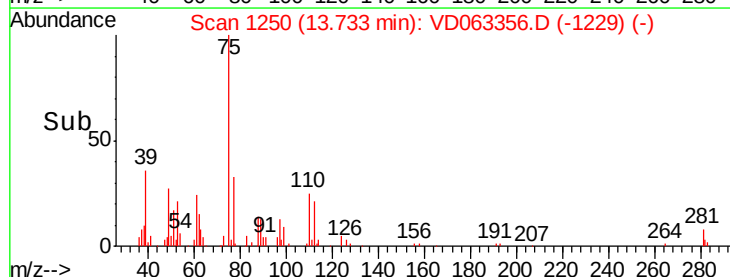
75 100

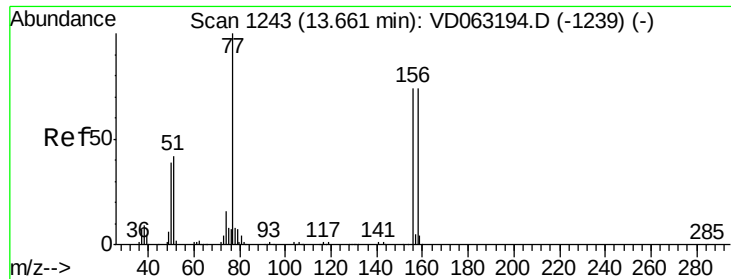
77 33.1 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.991 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

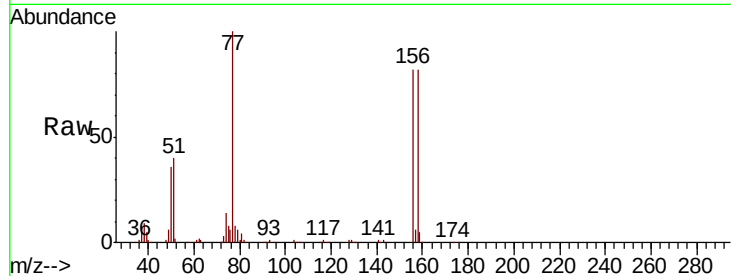
Tot Ion:156 Resp: 242948

Ion Ratio Lower Upper

156 100

77 121.5 67.6 202.8

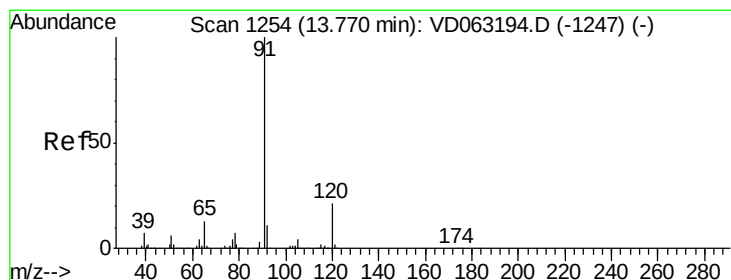
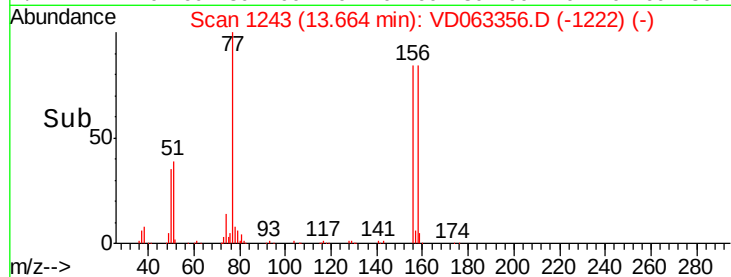
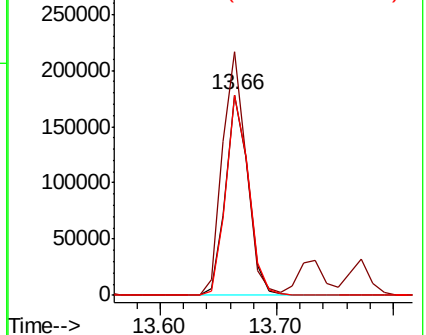
158 100.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.565 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063356.D

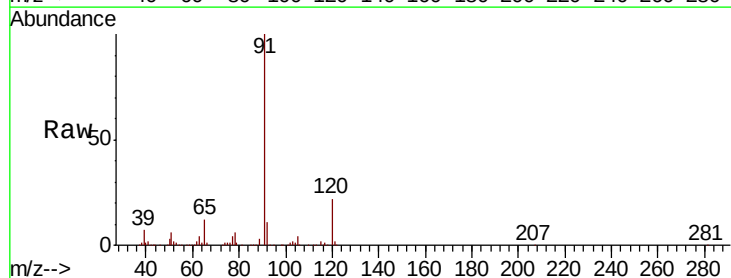
Acq: 3 Aug 2019 12:52

Tgt Ion: 91 Resp: 1042629

Ion Ratio Lower Upper

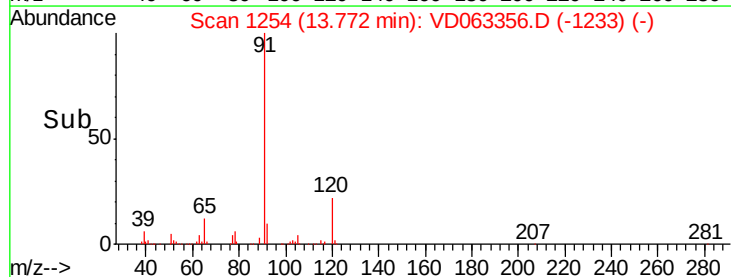
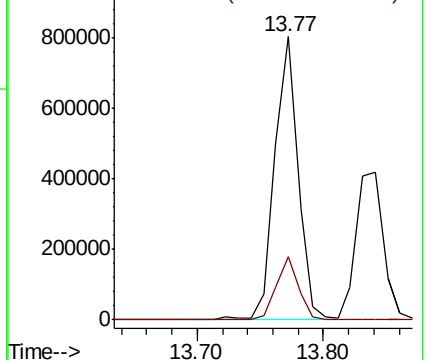
91 100

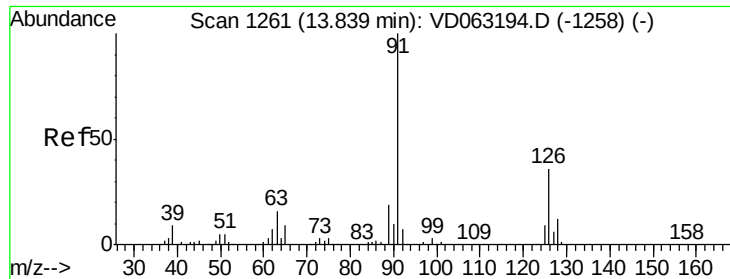
120 22.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

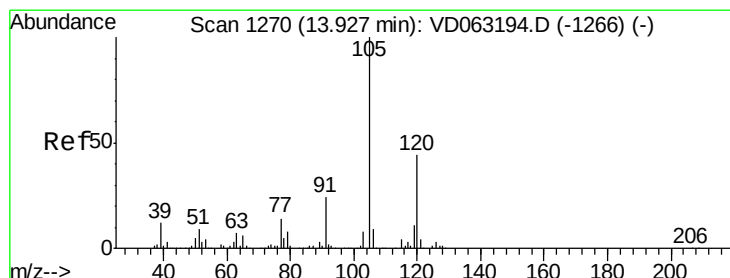
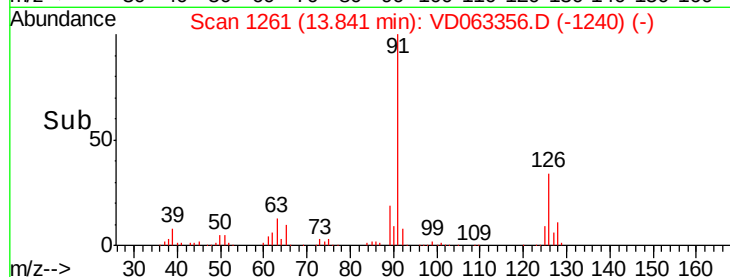
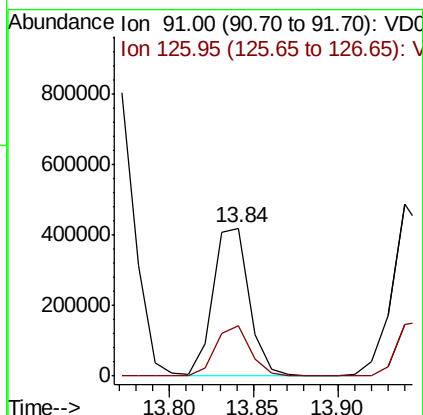
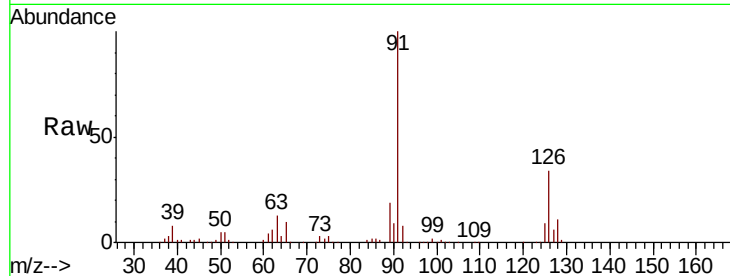




#79
 2-Chlorotoluene
 Concen: 22.301 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

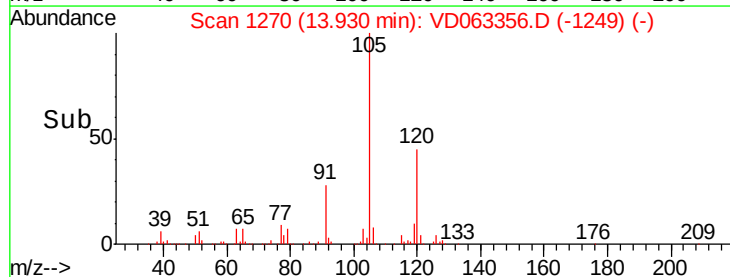
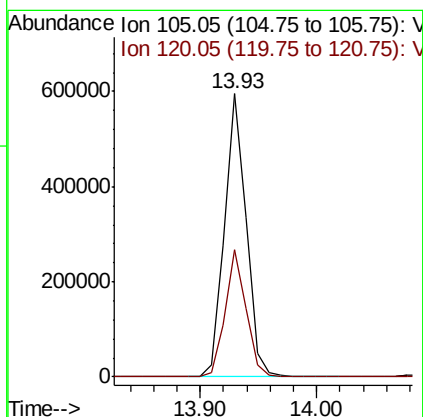
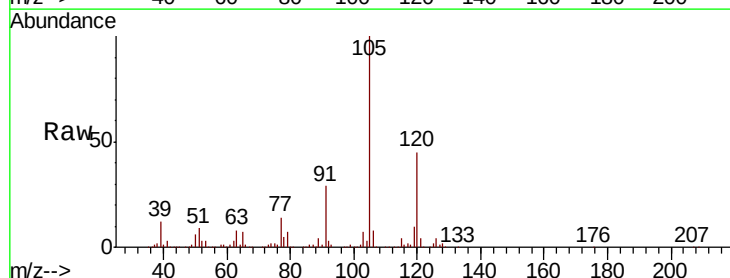
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

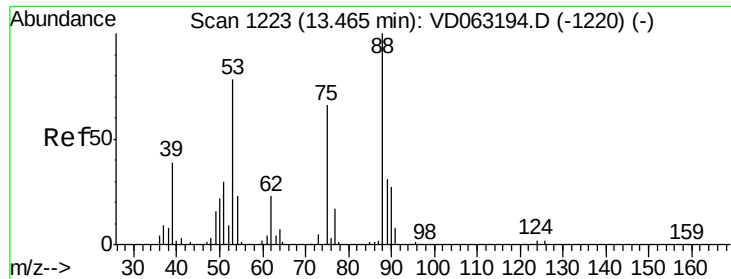
Tot Ion: 91 Resp: 624762
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.864 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 105 Resp: 766136
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.1

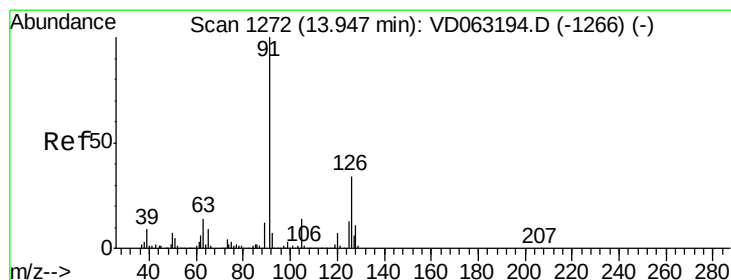
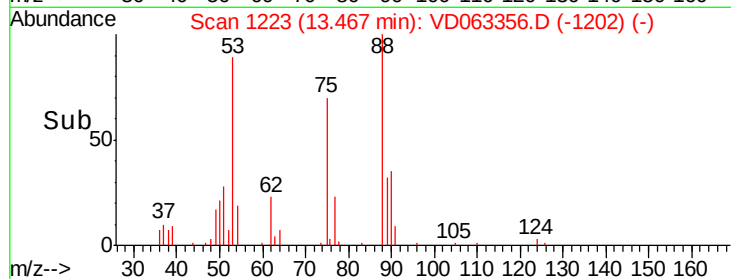
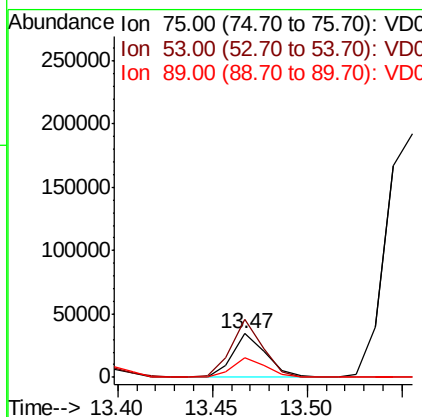
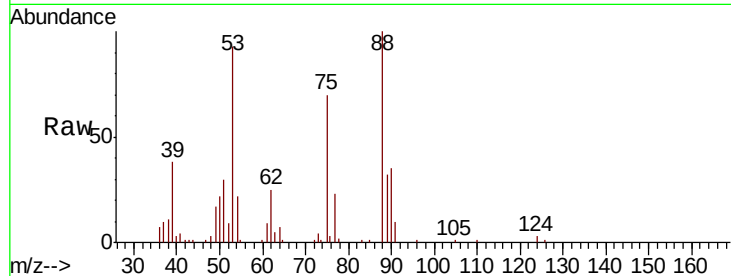




#81
trans-1,4-Dichloro-2-butene
Concen: 19.844 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

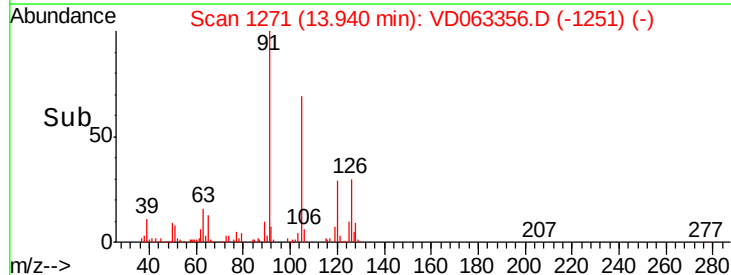
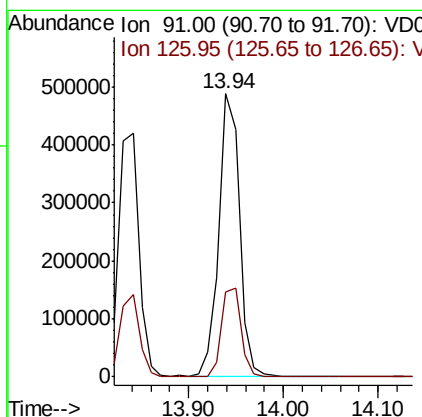
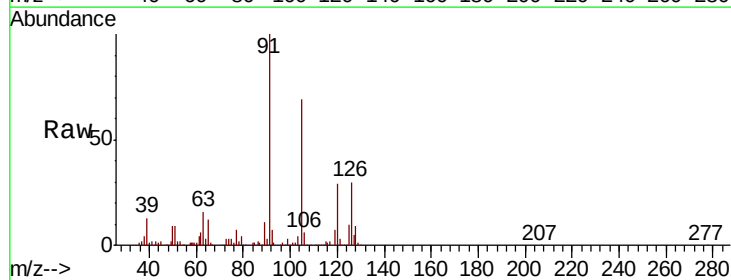
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBSD01

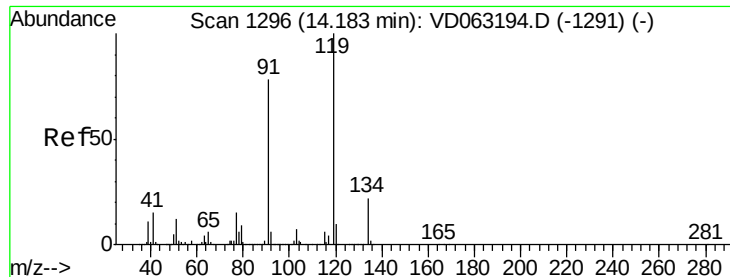
Tot Ion: 75 Resp: 42844
Ion Ratio Lower Upper
75 100
53 132.3 94.9 142.3
89 45.8 37.4 56.0



#82
4-Chlorotoluene
Concen: 22.513 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063356.D
Acq: 3 Aug 2019 12:52

Tgt Ion: 91 Resp: 742234
Ion Ratio Lower Upper
91 100
126 30.1 17.1 51.2

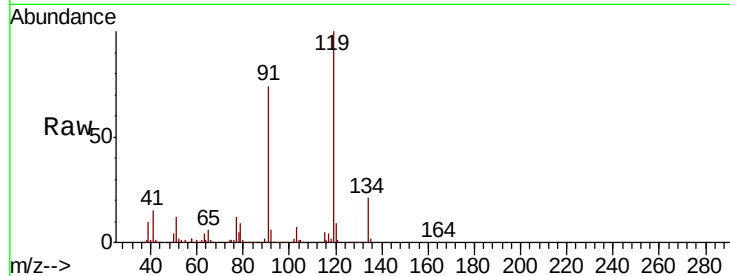




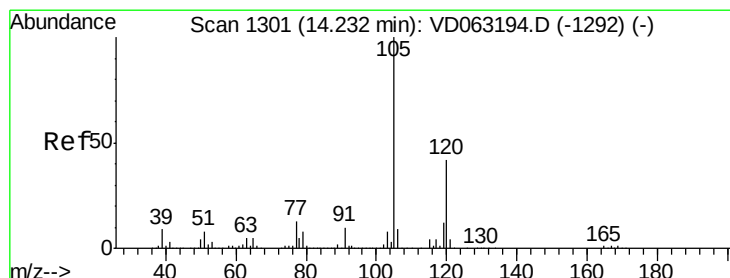
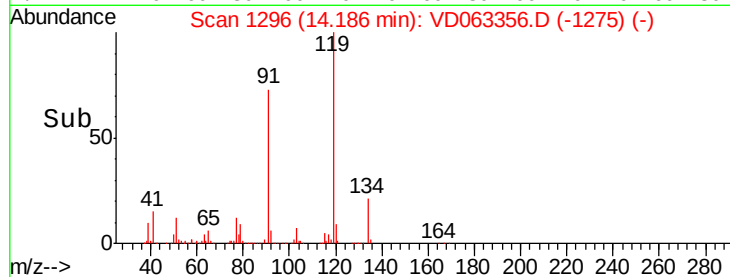
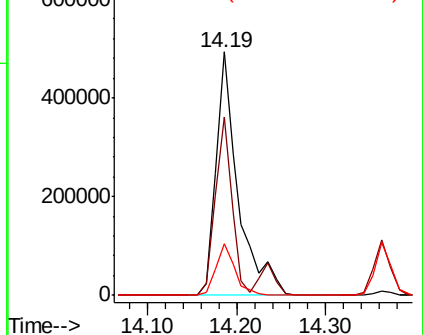
#83
 tert-Butylbenzene
 Concen: 21.408 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

Tot Ion:119 Resp: 856538
 Ion Ratio Lower Upper
 119 100
 91 73.5 39.1 117.5
 134 21.0 10.9 32.6

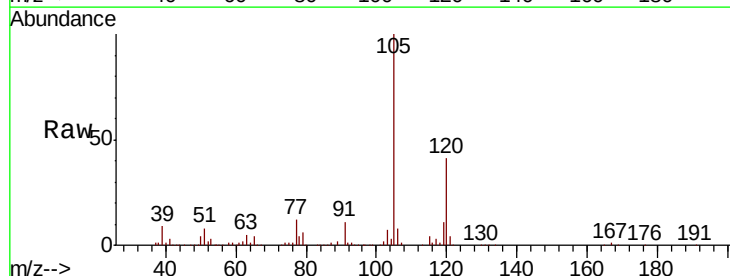


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

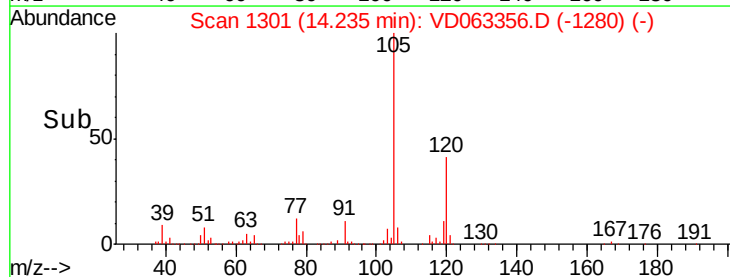
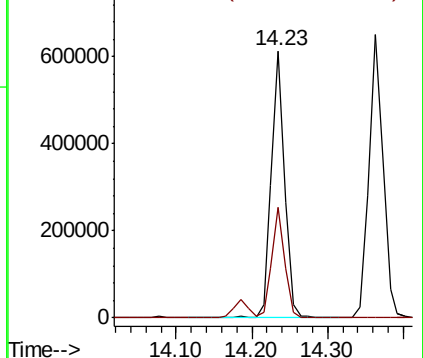


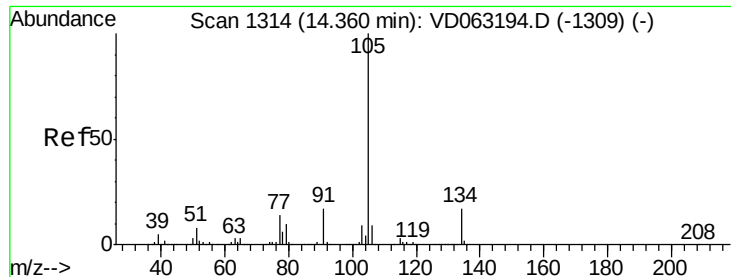
#84
 1,2,4-Trimethylbenzene
 Concen: 20.610 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion:105 Resp: 747009
 Ion Ratio Lower Upper
 105 100
 120 41.4 20.9 62.7



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





#85

sec-Butylbenzene

Concen: 19.711 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

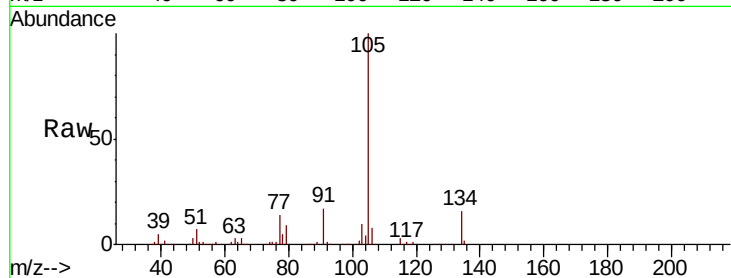
VD0803SBSD01

Tot Ion:105 Resp: 830933

Ion Ratio Lower Upper

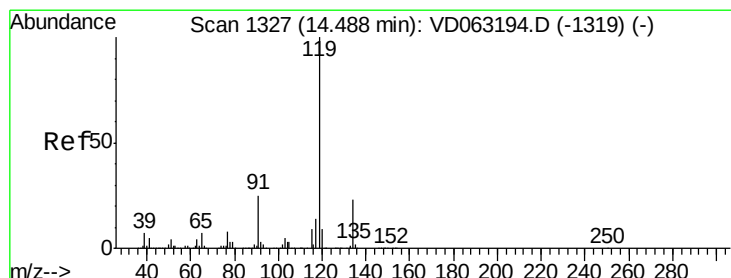
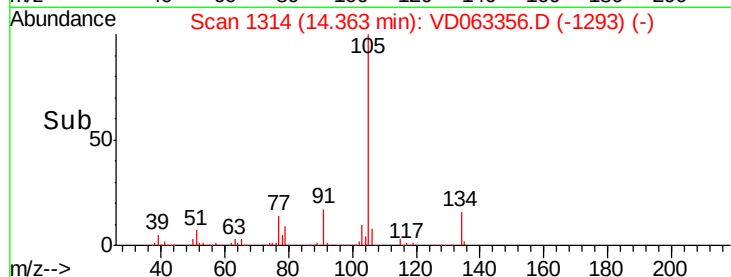
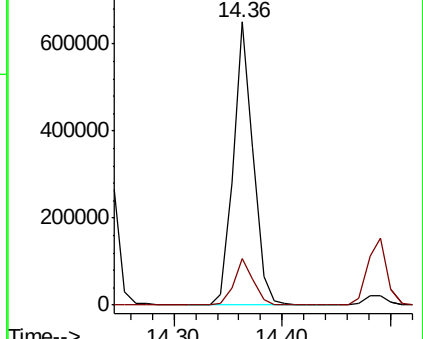
105 100

134 16.3 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.909 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

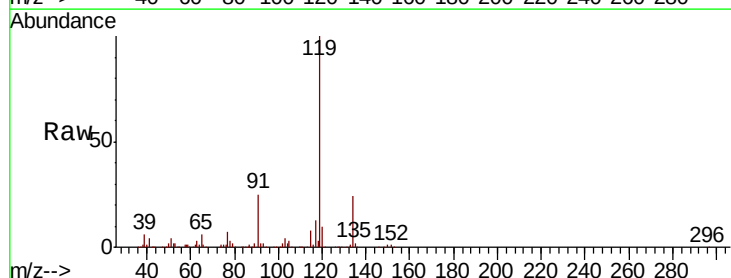
Tgt Ion:119 Resp: 841280

Ion Ratio Lower Upper

119 100

134 24.4 11.5 34.5

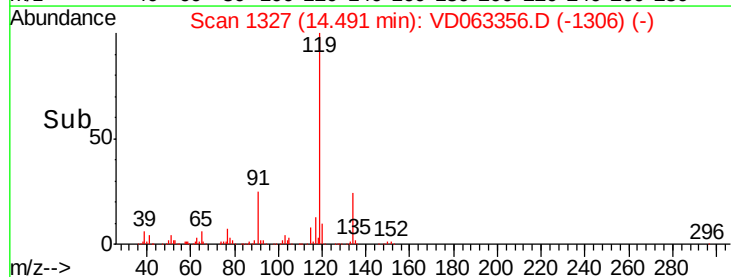
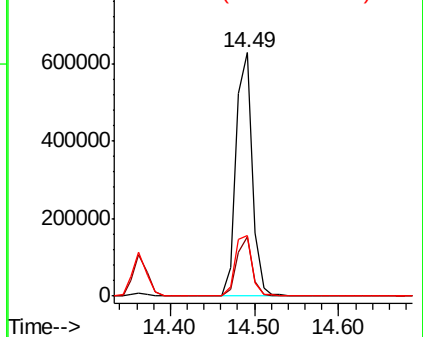
91 25.1 12.6 37.6

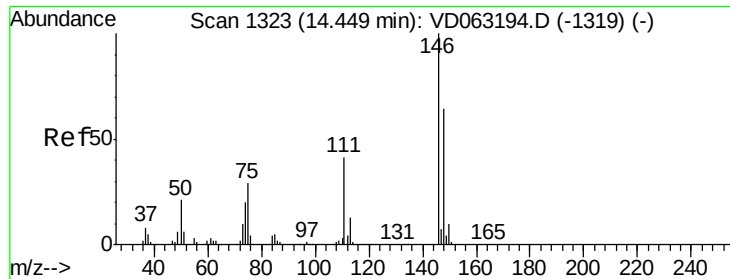


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

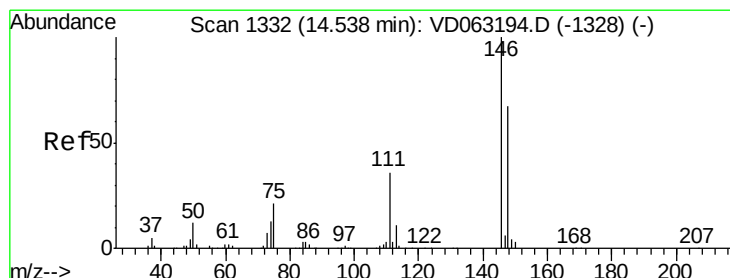
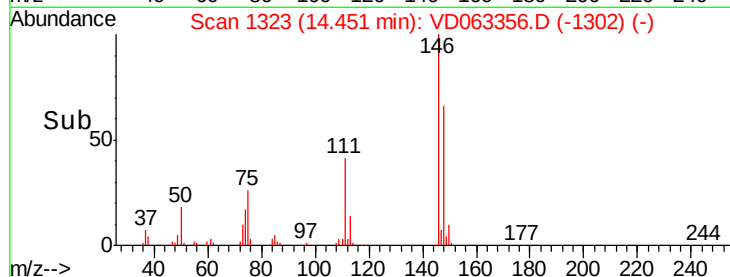
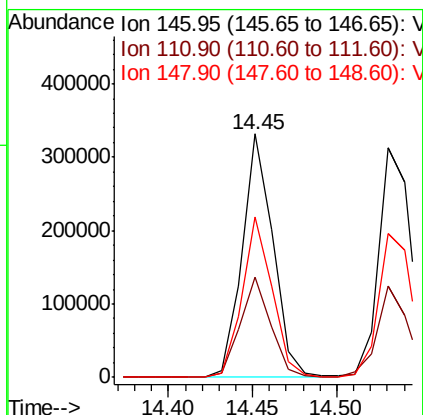
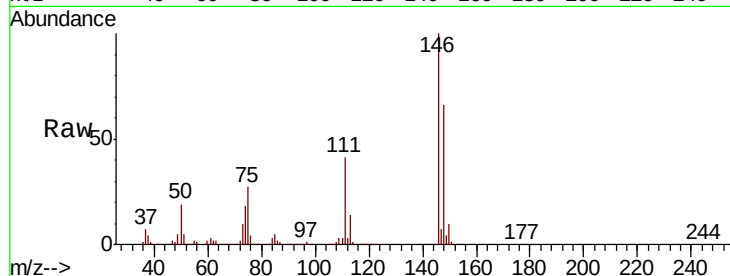




#87
 1,3-Dichlorobenzene
 Concen: 20.549 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

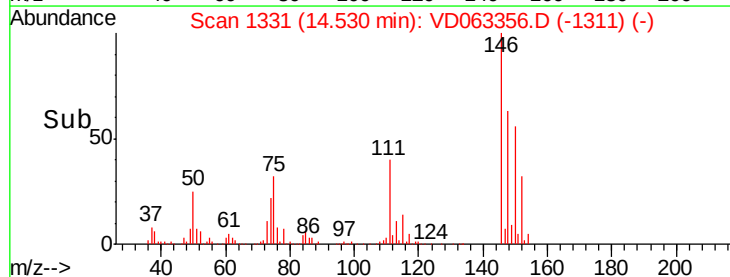
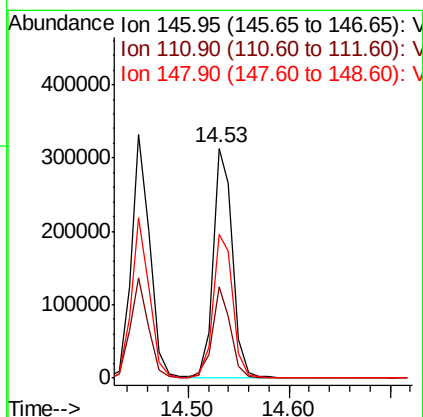
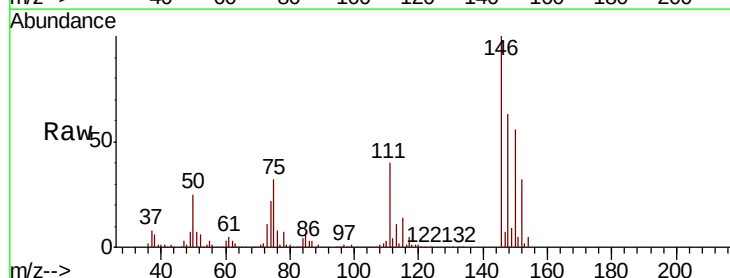
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

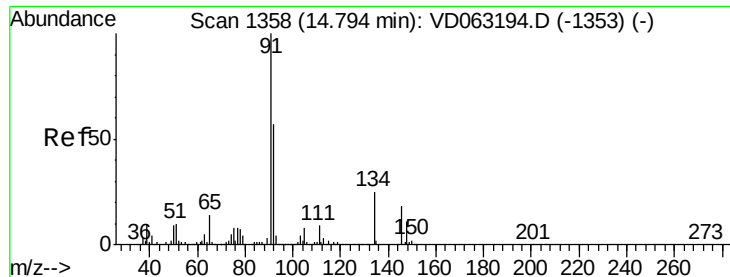
Tot Ion:146 Resp: 421170
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.4 61.3
 148 66.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.301 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion:146 Resp: 420757
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.1 54.3
 148 62.9 33.4 100.1





#89

n-Butylbenzene

Concen: 21.893 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

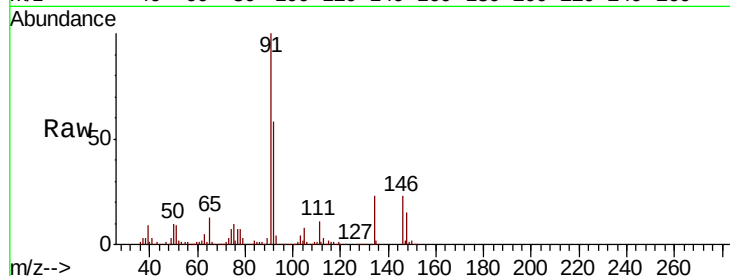
Tot Ion: 91 Resp: 760776

Ion Ratio Lower Upper

91 100

92 58.0 28.3 85.0

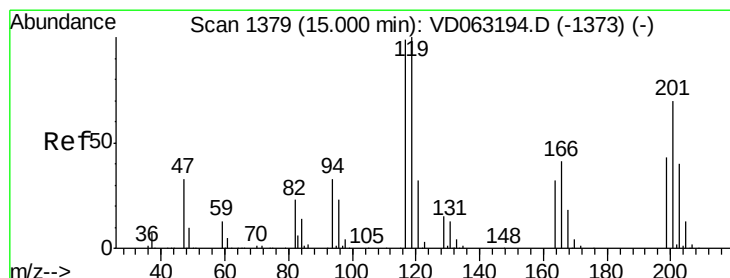
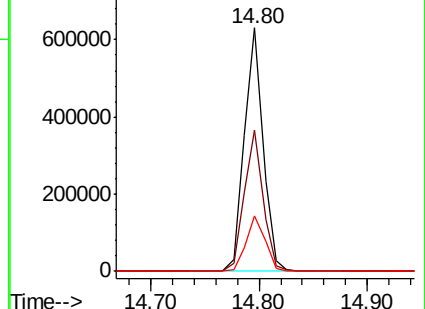
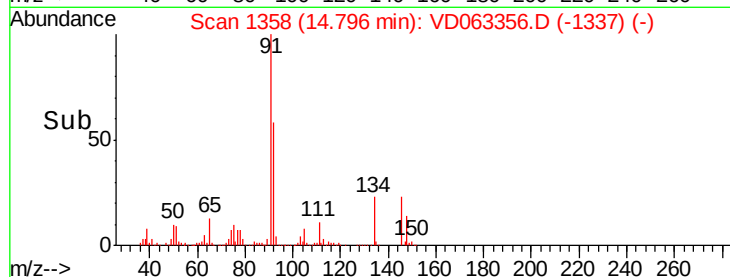
134 22.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.507 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063356.D

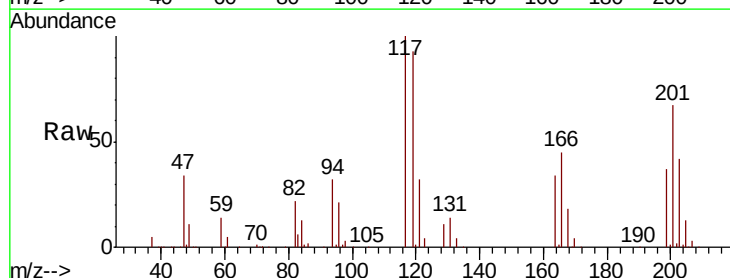
Acq: 3 Aug 2019 12:52

Tgt Ion: 117 Resp: 214971

Ion Ratio Lower Upper

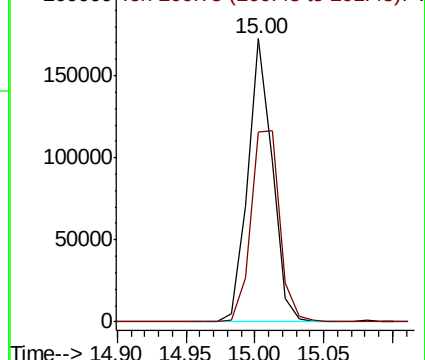
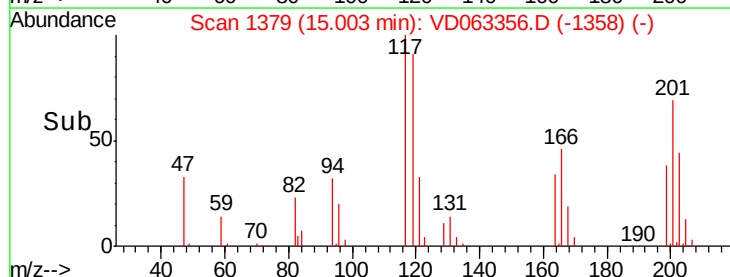
117 100

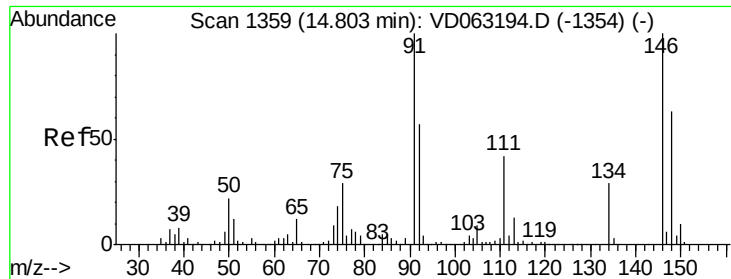
201 67.0 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

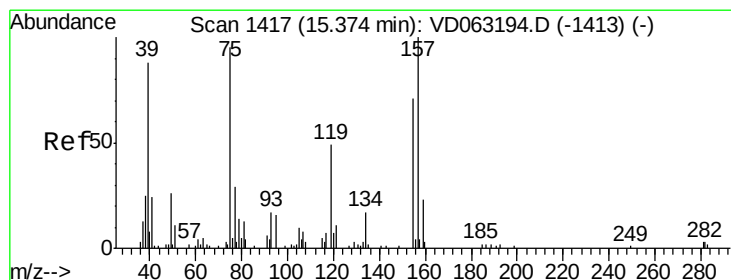
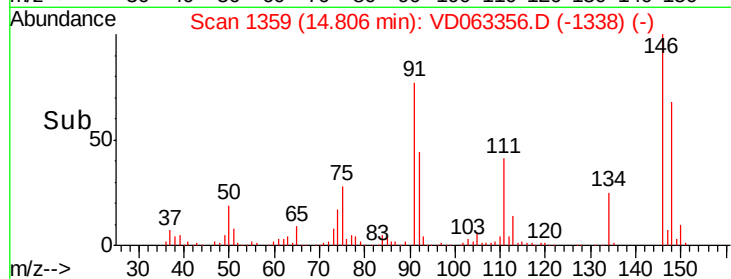
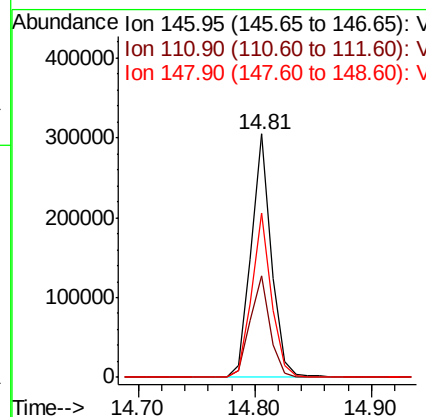
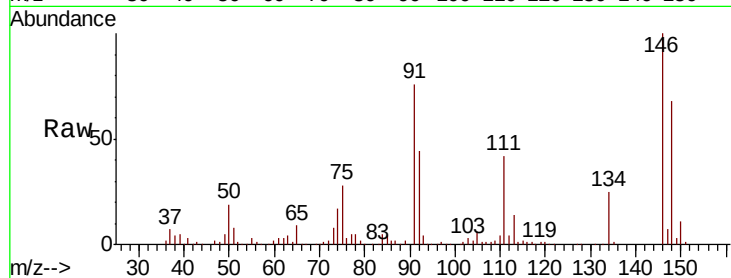




#91
 1,2-Dichlorobenzene
 Concen: 20.481 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

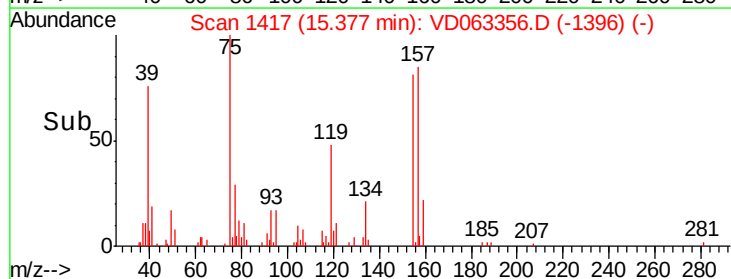
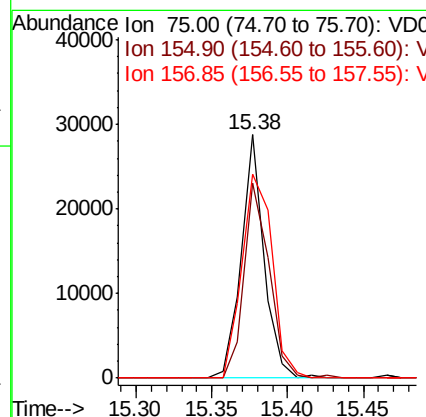
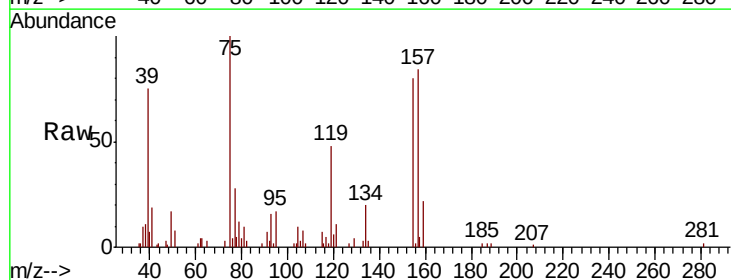
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

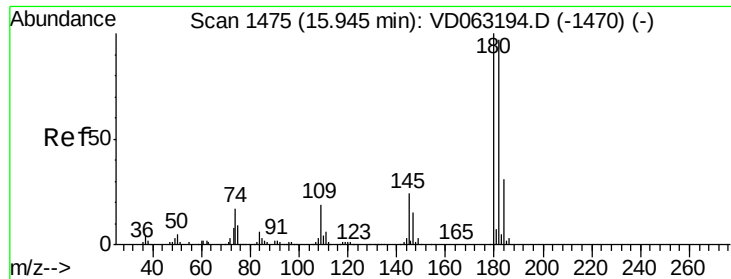
Tot Ion:146 Resp: 365755
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.3
 148 67.6 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.178 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion: 75 Resp: 29771
 Ion Ratio Lower Upper
 75 100
 155 79.8 37.0 111.0
 157 83.8 52.4 157.2

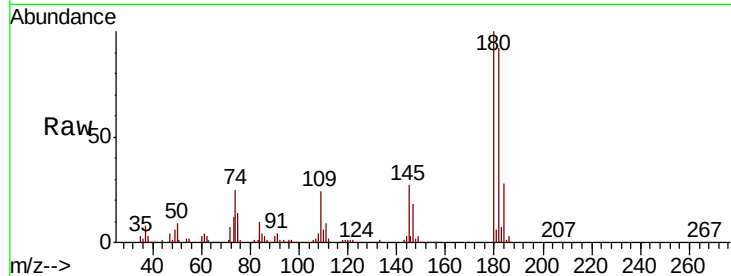




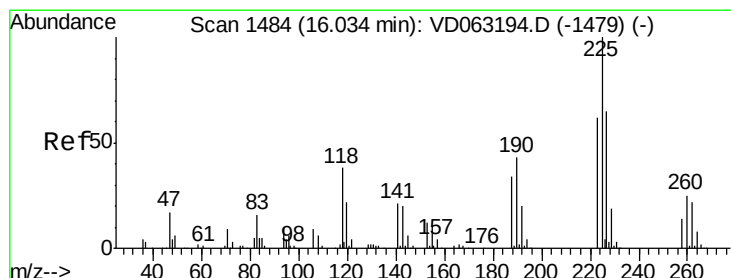
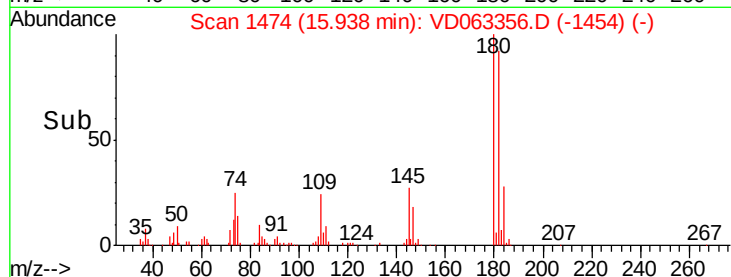
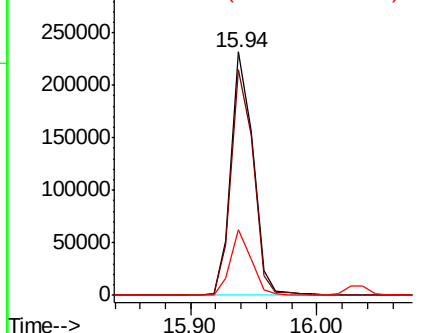
#93
 1,2,4-Trichlorobenzene
 Concen: 19.825 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.6	145.8
145	26.9	12.2	36.6

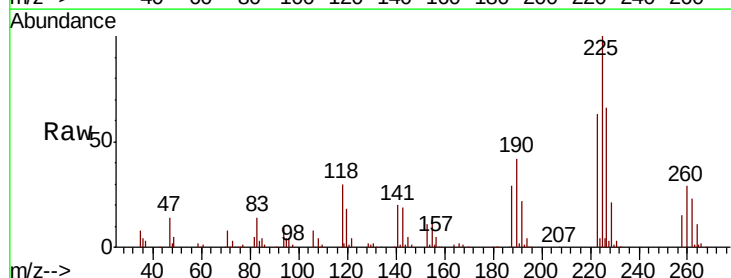


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

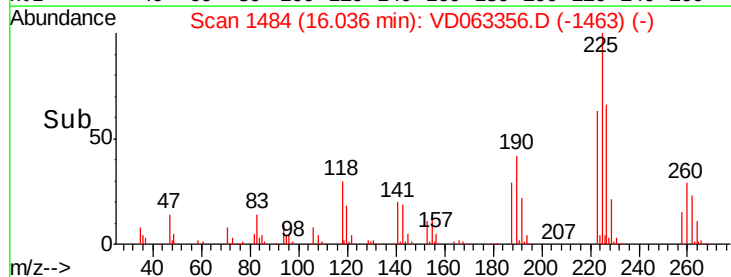
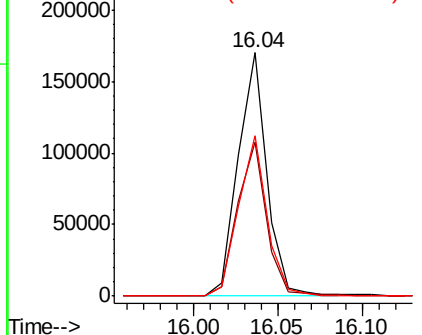


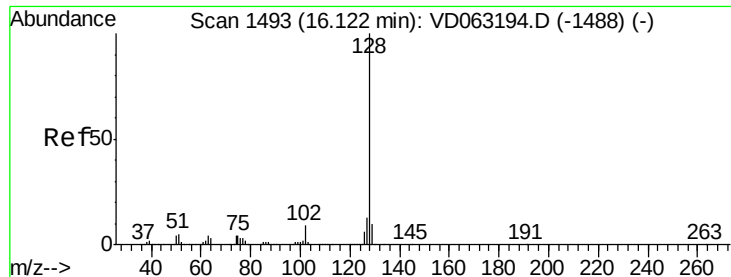
#94
 Hexachlorobutadiene
 Concen: 19.558 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063356.D
 Acq: 3 Aug 2019 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.5
227	66.0	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: 19.797 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBSD01

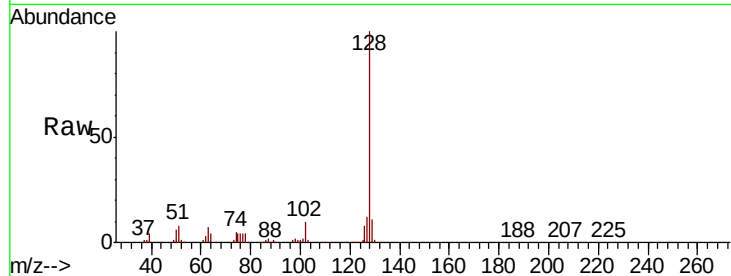
Tot Ion:128 Resp: 396411

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.4

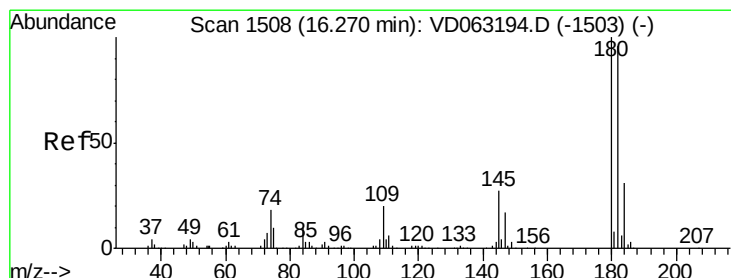
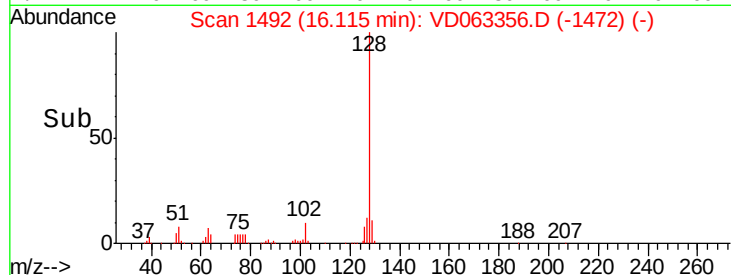
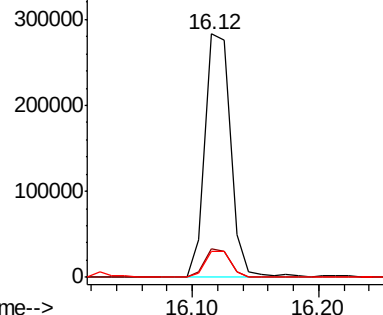
129 10.6 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.802 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD063356.D

Acq: 3 Aug 2019 12:52

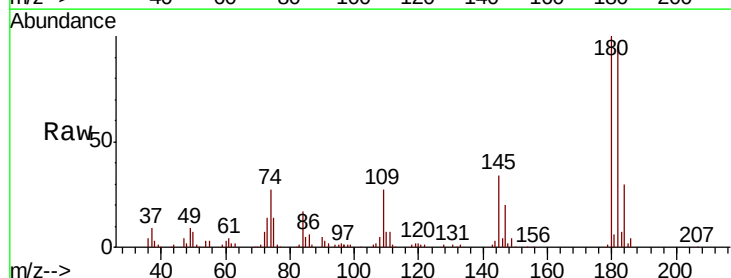
Tgt Ion:180 Resp: 210422

Ion Ratio Lower Upper

180 100

182 95.1 48.3 144.9

145 33.9 13.6 40.7



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

