

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063378.D
 Acq On : 5 Aug 2019 14:06
 Operator : VA/AP
 Sample : VD0805SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBS01

Quant Time: Aug 06 07:49:06 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	1094694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1437658	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1231516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	642703	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	607887	50.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	6.92	113	684507	55.77	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.54%	
50) Toluene-d8	10.40	98	1536039	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
62) 4-Bromofluorobenzene	13.55	95	644657	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	275418	20.583	ug/l	98
3) Chloromethane	1.74	50	226101	21.748	ug/l	92
4) Vinyl Chloride	1.84	62	223311	20.749	ug/l	100
5) Bromomethane	2.14	94	90844	16.736	ug/l #	93
6) Chloroethane	2.25	64	94260	18.970	ug/l	99
7) Trichlorofluoromethane	2.52	101	412979	19.779	ug/l	96
8) Diethyl Ether	2.86	74	61650	21.098	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	247301	21.382	ug/l	91
10) Methyl Iodide	3.30	142	304188	18.206	ug/l	94
11) Tert butyl alcohol	4.08	59	49782	93.390	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	180484	21.256	ug/l	80
13) Acrolein	3.03	56	38852	75.733	ug/l	95
14) Allyl chloride	3.61	41	281989	20.848	ug/l	97
15) Acrylonitrile	4.19	53	146979	106.353	ug/l	87
16) Acetone	3.22	43	234403	99.044	ug/l	98
17) Carbon Disulfide	3.37	76	565909	19.913	ug/l	98
18) Methyl Acetate	3.64	43	108470	23.861	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	407767	21.260	ug/l	92
20) Methylene Chloride	3.81	84	210986	22.055	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	198939	20.881	ug/l	94
22) Diisopropyl ether	5.12	45	562983	20.833	ug/l #	96
23) Vinyl Acetate	5.05	43	1703644	102.557	ug/l	98
24) 1,1-Dichloroethane	4.98	63	366729	21.245	ug/l	94
25) 2-Butanone	6.07	43	237118	99.834	ug/l	94
26) 2,2-Dichloropropane	6.02	77	369101	20.749	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	213015	20.854	ug/l	95
28) Bromochloromethane	6.44	49	140580	20.440	ug/l #	98
29) Tetrahydrofuran	6.46	42	111256	98.938	ug/l	97
30) Chloroform	6.66	83	451537	21.078	ug/l	99
31) Cyclohexane	6.95	56	217911	20.140	ug/l	87
32) 1,1,1-Trichloroethane	6.87	97	447226	21.584	ug/l	99
36) 1,1-Dichloropropene	7.15	75	312337	23.805	ug/l	98
37) Ethyl Acetate	6.18	43	127615	21.650	ug/l #	93
38) Carbon Tetrachloride	7.11	117	436047	22.076	ug/l	94

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 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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Quant Time: Aug 06 07:49:06 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)
39) Methylcyclohexane	8.86	83	235219	21.517	ug/l	94
40) Benzene	7.45	78	614191	22.336	ug/l	98
41) Methacrylonitrile	6.46	41	150034	21.278	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	302498	20.757	ug/l	97
43) Isopropyl Acetate	9.24	43	160289	21.288	ug/l #	97
44) Trichloroethene	8.54	130	242631	21.775	ug/l	97
45) 1,2-Dichloropropane	8.94	63	148469	21.242	ug/l	97
46) Dibromomethane	9.07	93	132375	22.778	ug/l	86
47) Bromodichloromethane	9.37	83	309811	20.913	ug/l	96
48) Methyl methacrylate	9.12	41	109568	22.437	ug/l	92
49) 1,4-Dioxane	9.07	88	20263	487.715	ug/l #	73
51) 4-Methyl-2-Pentanone	10.30	43	567962	110.914	ug/l	98
52) Toluene	10.51	92	383255	20.955	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	276753	21.669	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	302027	22.501	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	143031	23.156	ug/l	93
56) Ethyl methacrylate	11.04	69	149350	22.081	ug/l	96
57) 1,3-Dichloropropane	11.41	76	210263	21.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	359523	102.153	ug/l	95
59) 2-Hexanone	11.54	43	395868	107.275	ug/l	98
60) Dibromochloromethane	11.68	129	257845	22.112	ug/l	99
61) 1,2-Dibromoethane	11.80	107	163230	21.416	ug/l	88
64) Tetrachloroethene	11.26	164	213557	21.767	ug/l	98
65) Chlorobenzene	12.40	112	537352	22.685	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	236620	22.677	ug/l	98
67) Ethyl Benzene	12.52	91	909871	22.611	ug/l	99
68) m/p-Xylenes	12.67	106	634606	43.003	ug/l	99
69) o-Xylene	13.05	106	287581	21.221	ug/l	93
70) Styrene	13.07	104	535254	22.272	ug/l	99
71) Bromoform	13.23	173	155242	20.459	ug/l	97
73) Isopropylbenzene	13.40	105	854693	21.188	ug/l	100
74) N-amyl acetate	13.26	43	231077	21.669	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	140598	20.519	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	167595	21.710	ug/l	99
77) Bromobenzene	13.67	156	237928	20.705	ug/l	88
78) n-propylbenzene	13.77	91	1076943	22.435	ug/l	97
79) 2-Chlorotoluene	13.84	91	642950	23.116	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	742430	21.340	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	44379	20.703	ug/l	95
82) 4-Chlorotoluene	13.95	91	730078	22.303	ug/l	99
83) tert-Butylbenzene	14.18	119	844142	21.250	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	733526	20.384	ug/l	97
85) sec-Butylbenzene	14.36	105	933175	22.296	ug/l	100
86) p-Isopropyltoluene	14.49	119	846731	21.196	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	435678	21.409	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	454052	22.065	ug/l	93
89) n-Butylbenzene	14.79	91	780392	22.619	ug/l	97
90) Hexachloroethane	15.01	117	216017	20.756	ug/l	66
91) 1,2-Dichlorobenzene	14.80	146	397483	22.418	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	28361	20.320	ug/l	73

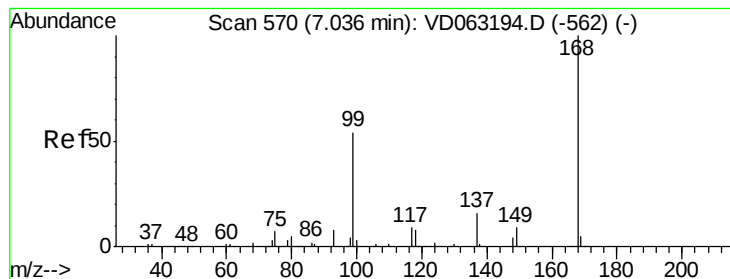
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
Data File : VD063378.D
Acq On : 5 Aug 2019 14:06
Operator : VA/AP
Sample : VD0805SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.95	180	304333	21.637	ug/l	98
94) Hexachlorobutadiene	16.03	225	214827	21.076	ug/l	99
95) Naphthalene	16.12	128	429305	21.594	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	238086	21.427	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

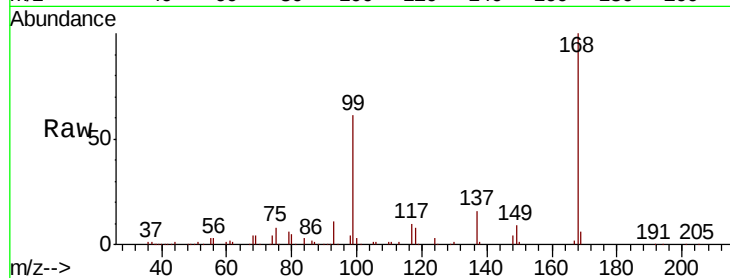
VD0805SBSD01

Tgt Ion:168 Resp: 1094694

Ion Ratio Lower Upper

168 100

99 60.6 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

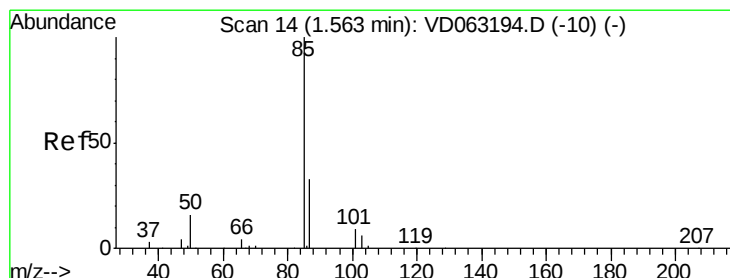
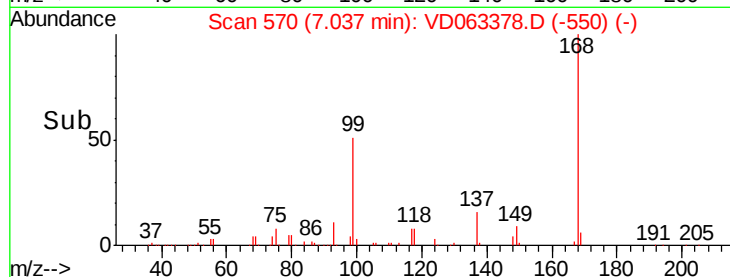
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.583 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063378.D

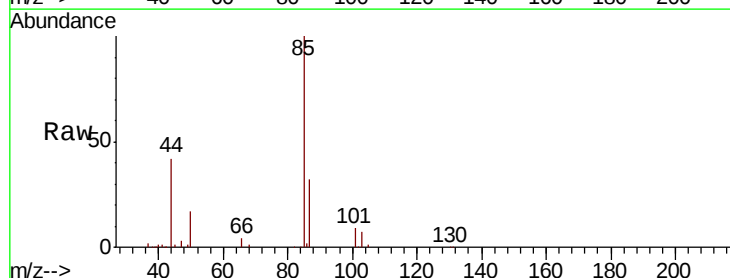
Acq: 5 Aug 2019 14:06

Tgt Ion: 85 Resp: 275418

Ion Ratio Lower Upper

85 100

87 31.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

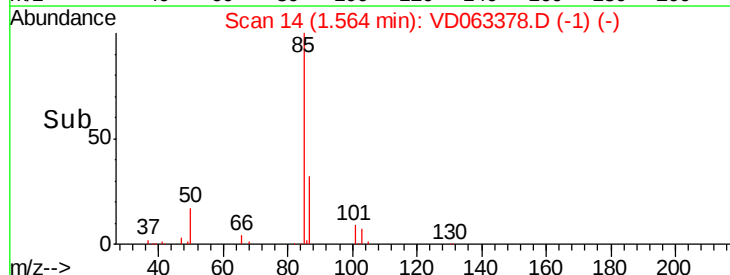
100000

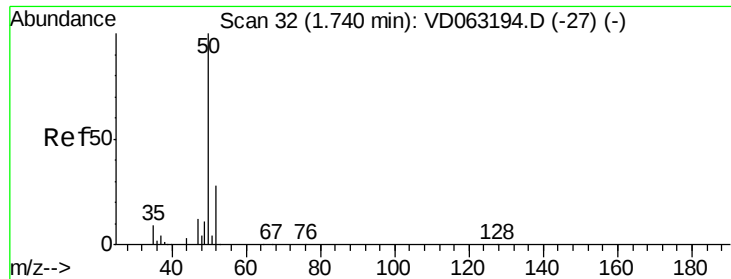
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.748 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

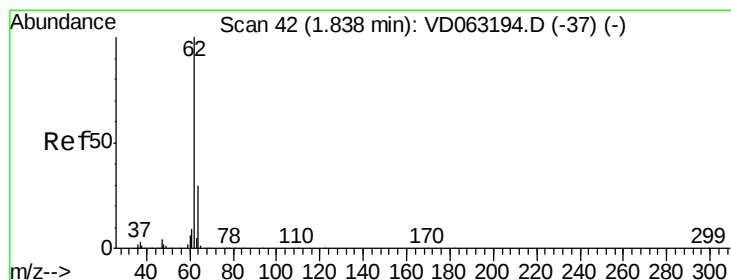
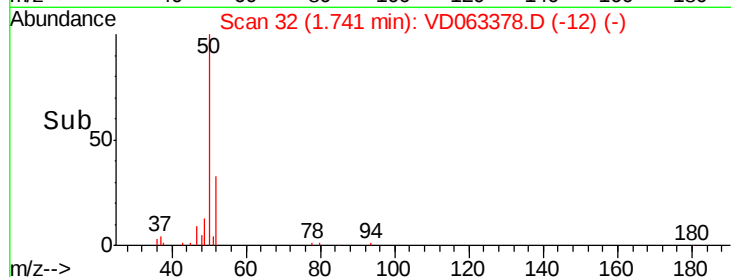
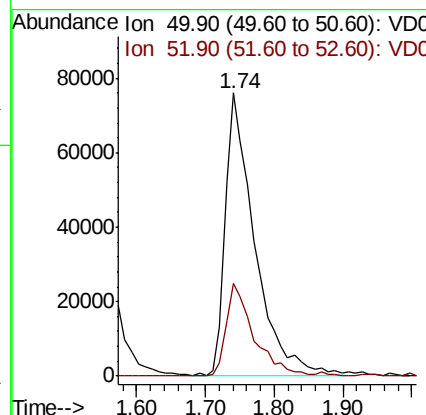
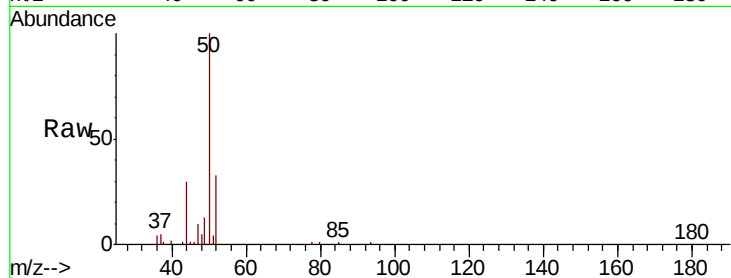
VD0805SBS01

Tgt Ion: 50 Resp: 226101

Ion Ratio Lower Upper

50 100

52 32.7 22.6 34.0



#4

Vinyl Chloride

Concen: 20.749 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063378.D

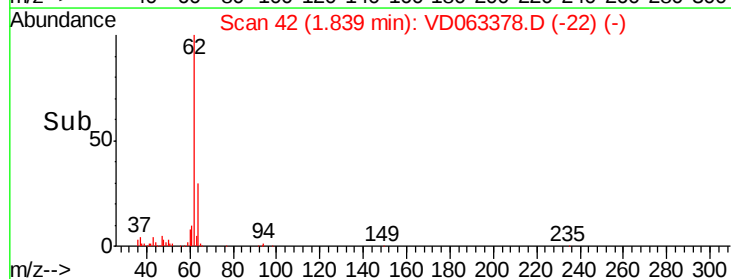
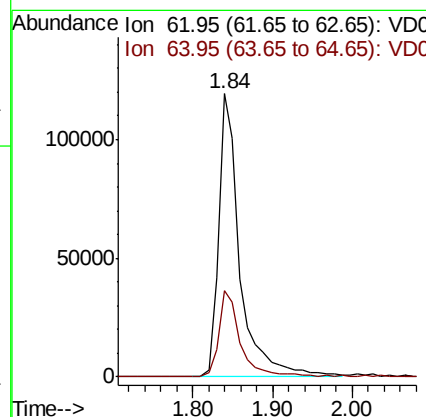
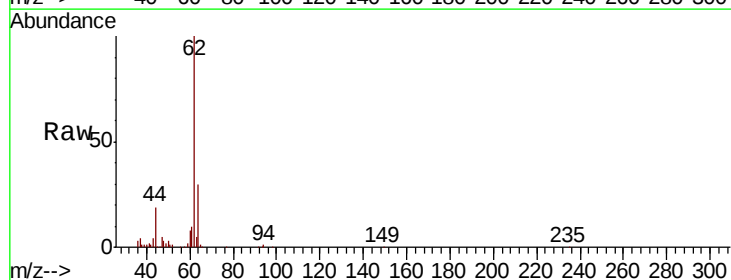
Acq: 5 Aug 2019 14:06

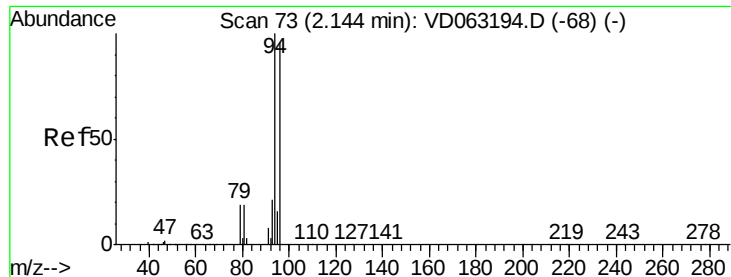
Tgt Ion: 62 Resp: 223311

Ion Ratio Lower Upper

62 100

64 30.3 24.1 36.1





#5

Bromomethane

Concen: 16.736 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

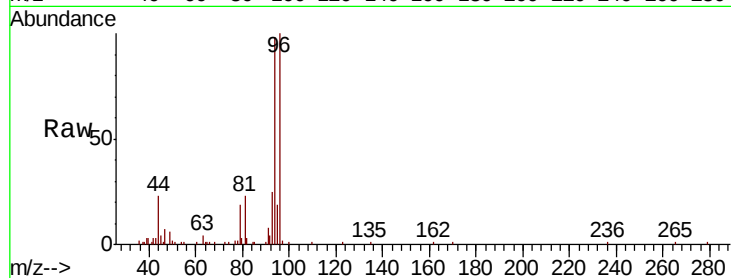
Tgt Ion: 94 Resp: 90844

Ion Ratio Lower Upper

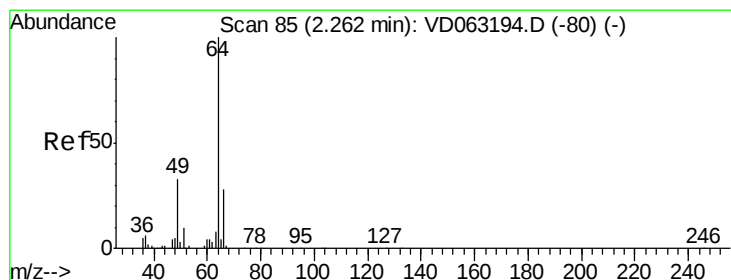
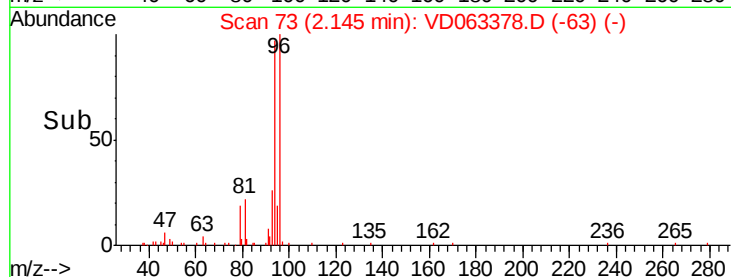
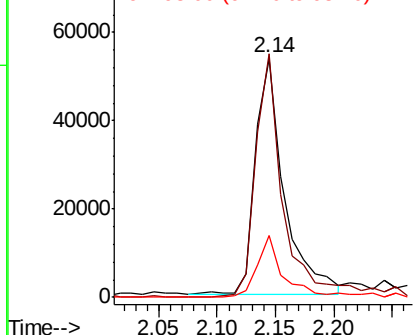
94 100

96 101.9 76.4 114.6

93 26.0 17.3 25.9#



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



#6

Chloroethane

Concen: 18.970 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063378.D

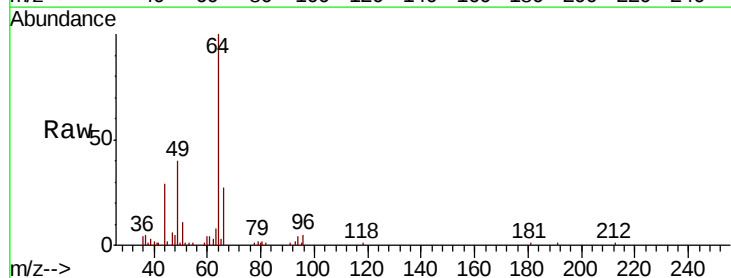
Acq: 5 Aug 2019 14:06

Tgt Ion: 64 Resp: 94260

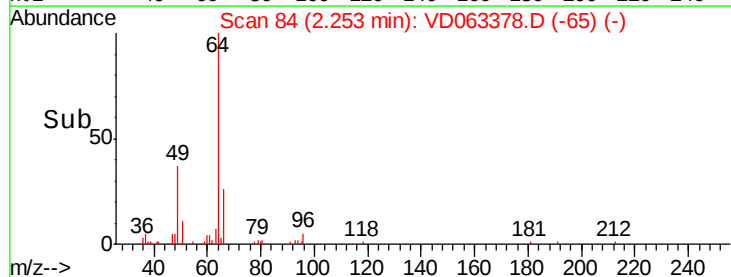
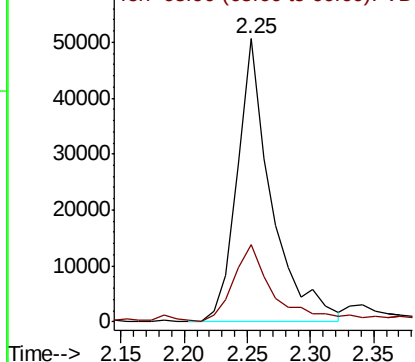
Ion Ratio Lower Upper

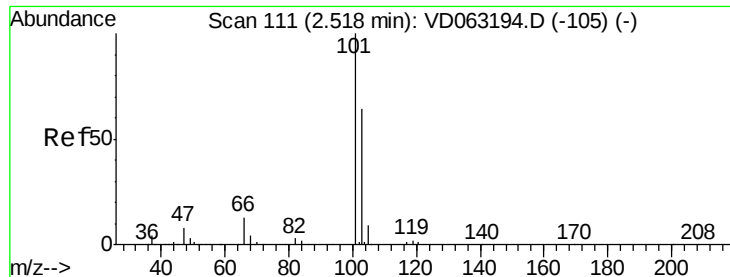
64 100

66 27.2 22.2 33.2



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



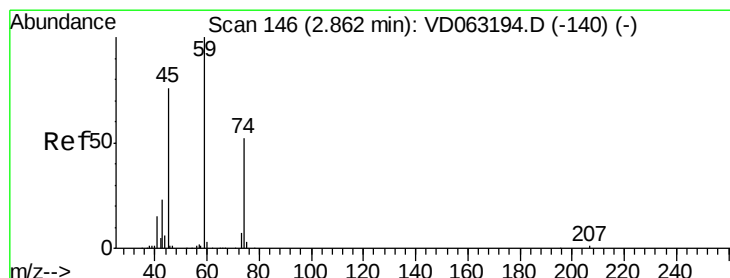
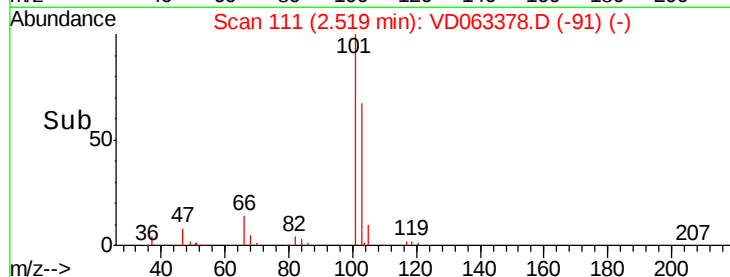
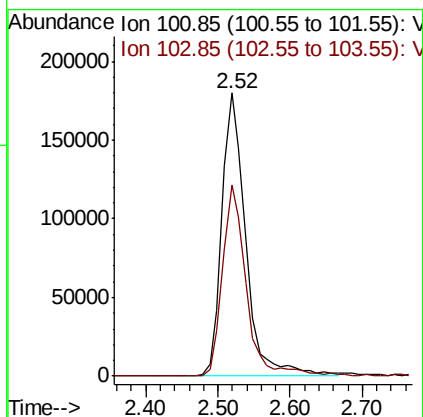
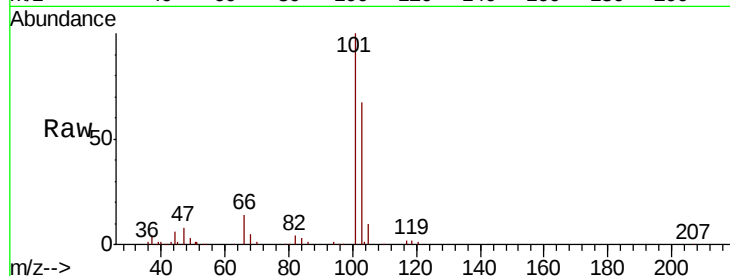


#7

Trichlorofluoromethane
Concen: 19.779 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

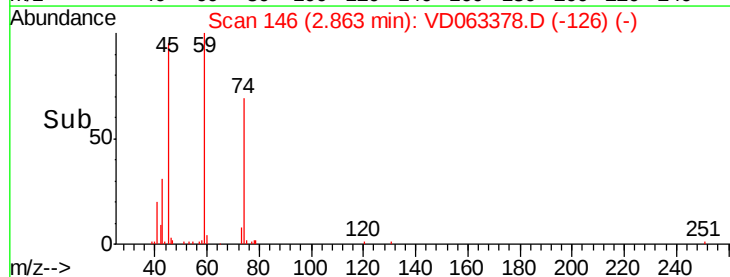
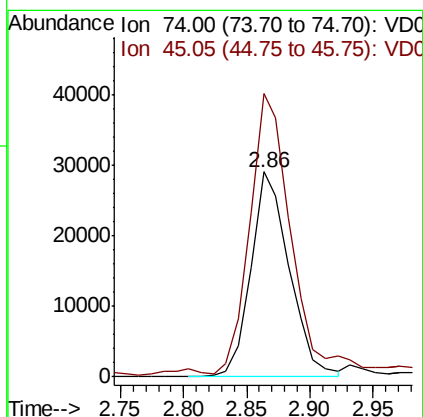
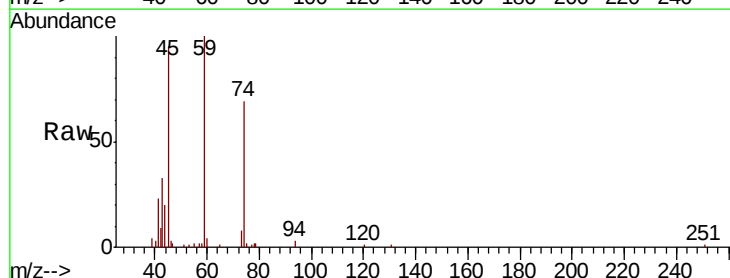
Tgt Ion:101 Resp: 412979
Ion Ratio Lower Upper
101 100
103 67.4 51.5 77.3

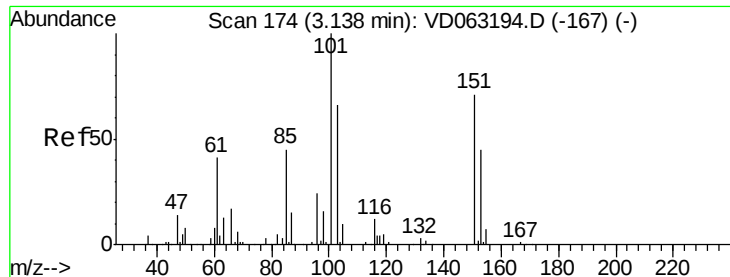


#8

Diethyl Ether
Concen: 21.098 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 74 Resp: 61650
Ion Ratio Lower Upper
74 100
45 138.0 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.382 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

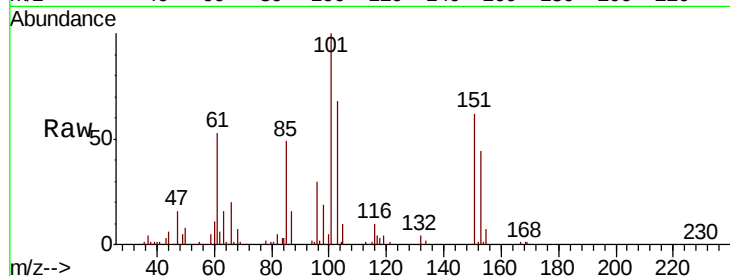
Tgt Ion:101 Resp: 247301

Ion Ratio Lower Upper

101 100

85 48.9 36.1 54.1

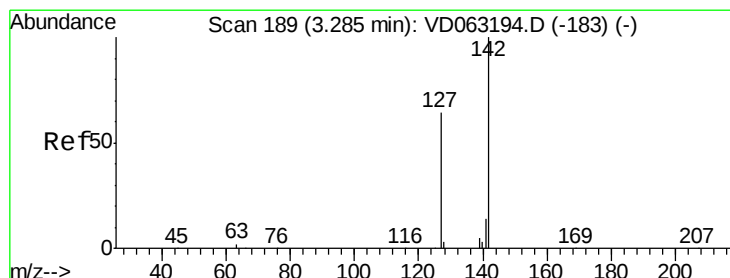
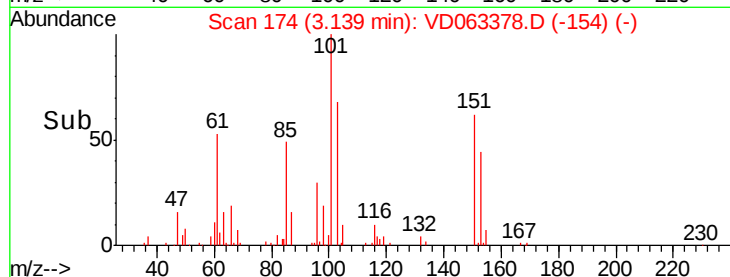
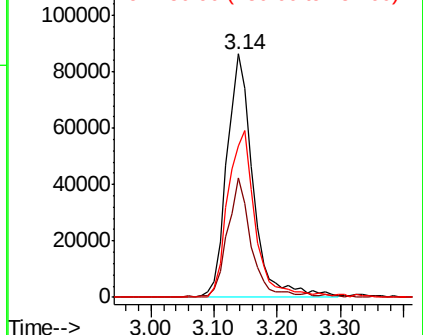
151 62.3 57.1 85.7



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: 18.206 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

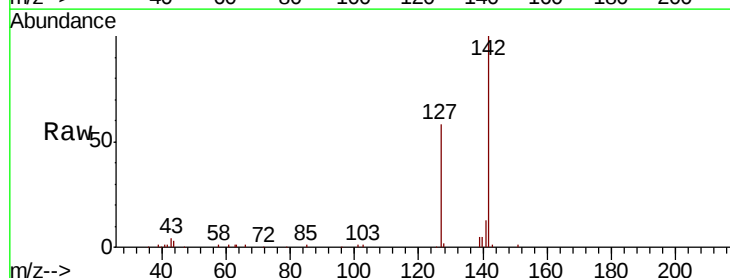
Tgt Ion:142 Resp: 304188

Ion Ratio Lower Upper

142 100

127 58.2 50.8 76.2

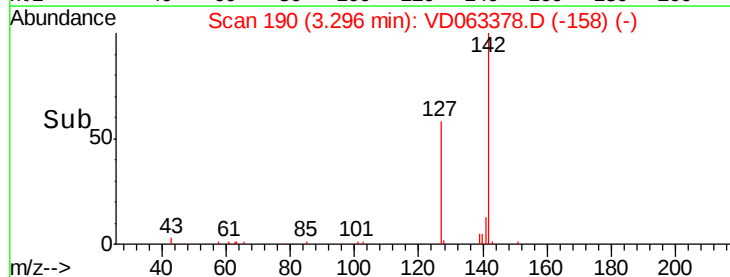
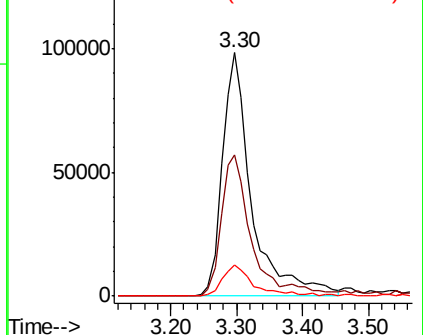
141 12.6 11.4 17.2

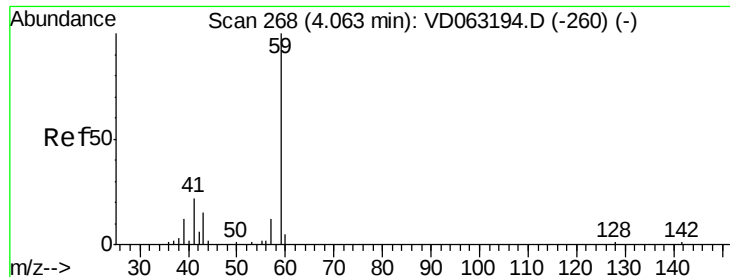


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

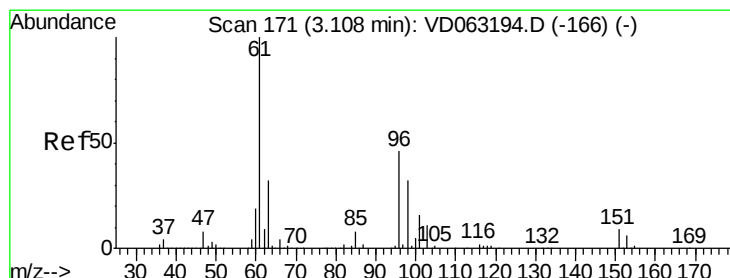
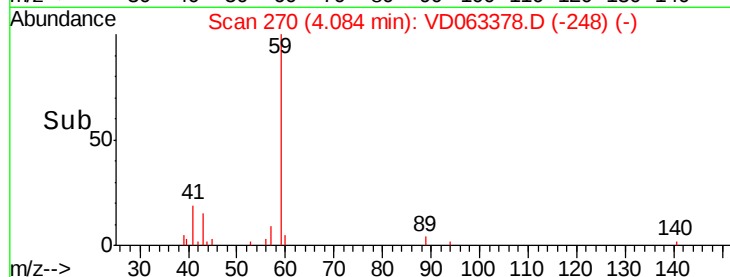
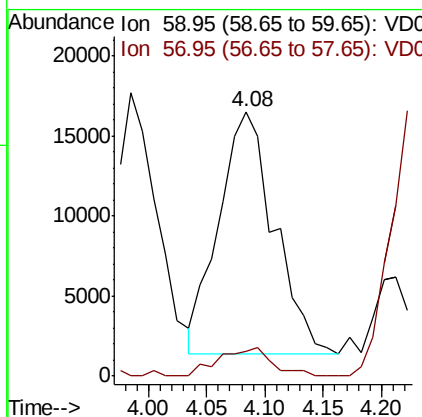
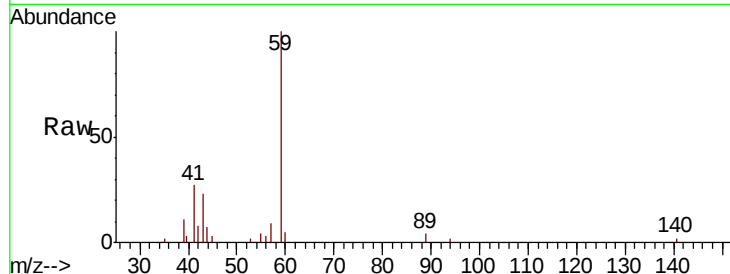




#11
Tert butyl alcohol
Concen: 93.390 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

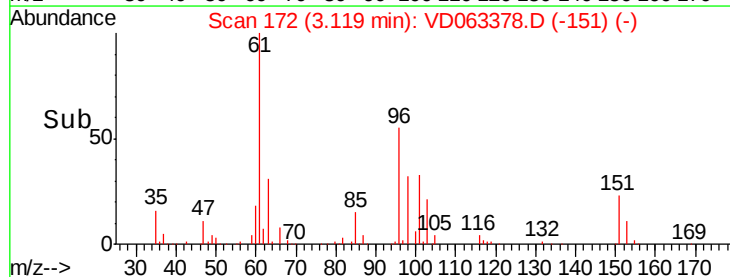
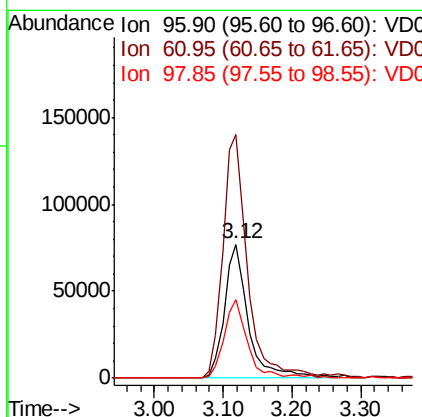
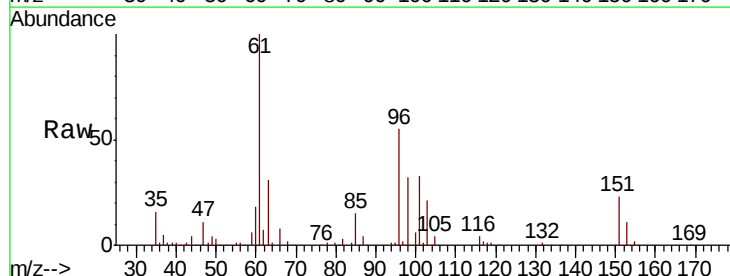
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

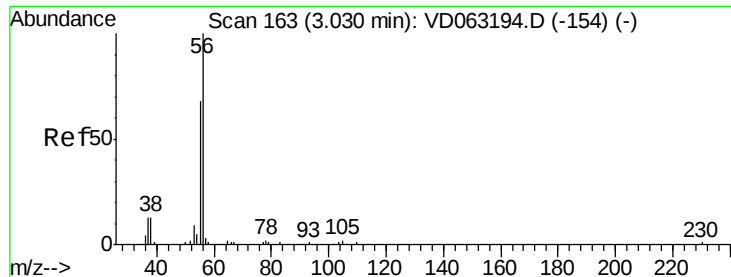
Tgt Ion: 59 Resp: 49782
Ion Ratio Lower Upper
59 100
57 9.3 9.6 14.4#



#12
1,1-Dichloroethene
Concen: 21.256 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 96 Resp: 180484
Ion Ratio Lower Upper
96 100
61 182.2 173.7 260.5
98 59.0 55.8 83.8





#13

Acrolein

Concen: 75.733 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

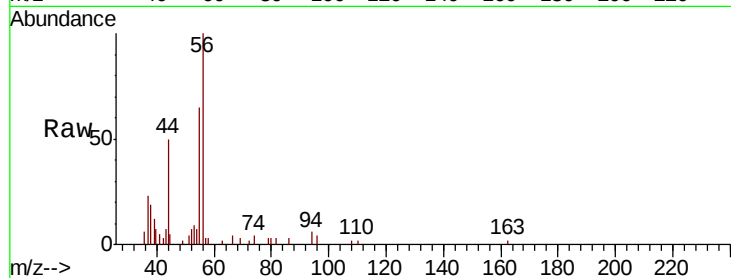
VD0805SBSD01

Tgt Ion: 56 Resp: 38852

Ion Ratio Lower Upper

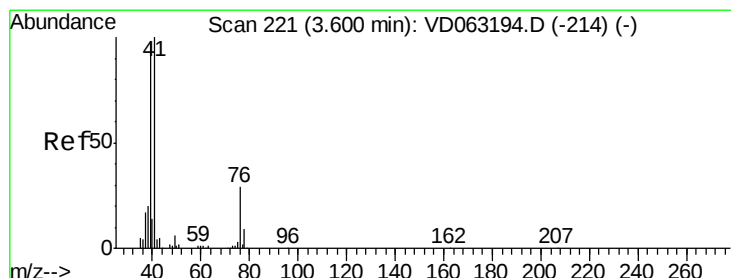
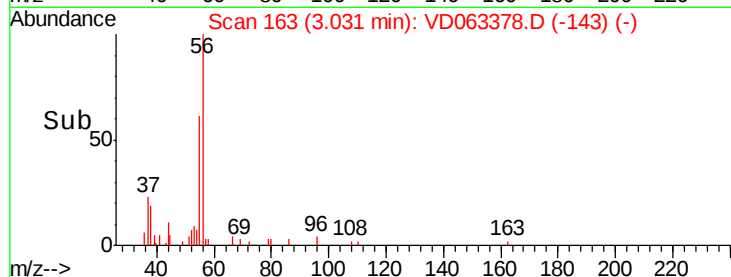
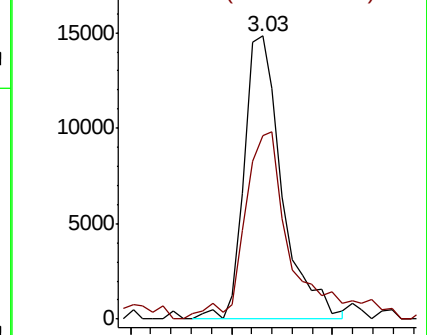
56 100

55 64.7 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.848 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

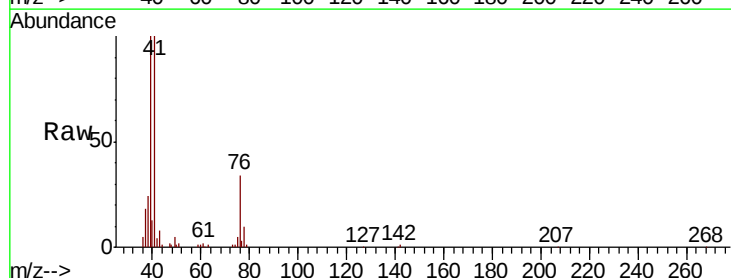
Tgt Ion: 41 Resp: 281989

Ion Ratio Lower Upper

41 100

39 99.9 78.6 117.8

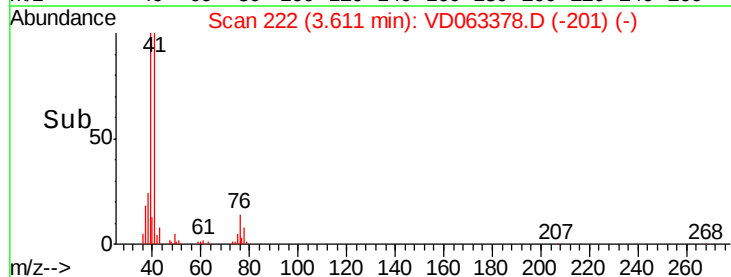
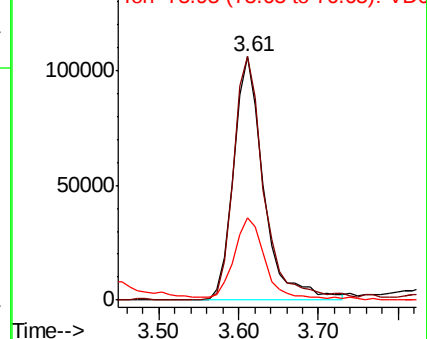
76 33.9 24.5 36.7

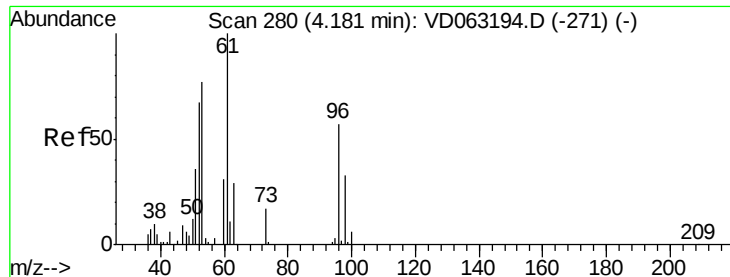


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.353 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

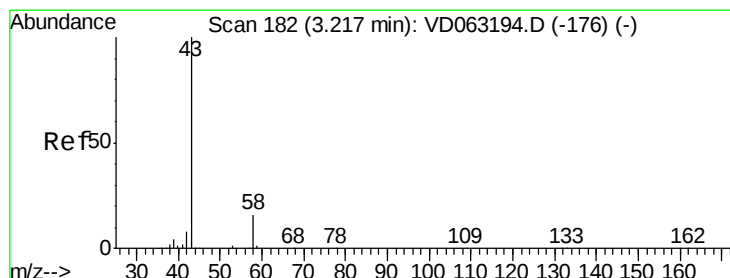
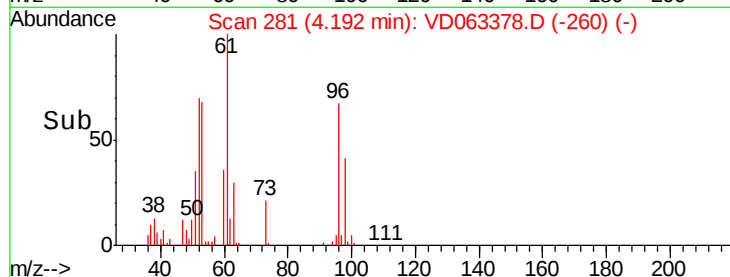
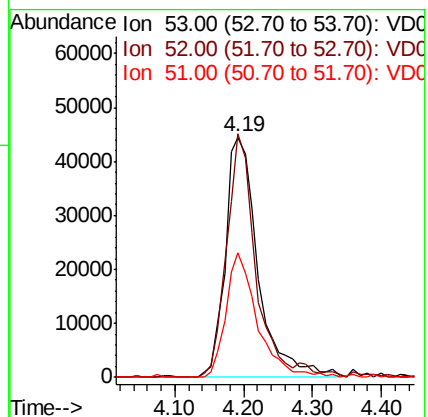
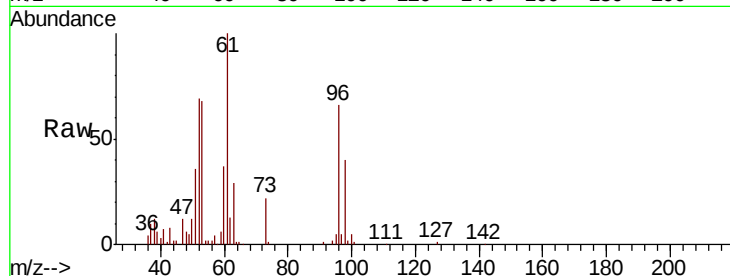
Tgt Ion: 53 Resp: 146979

Ion Ratio Lower Upper

53 100

52 101.3 69.7 104.5

51 52.0 37.4 56.0



#16

Acetone

Concen: 99.044 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063378.D

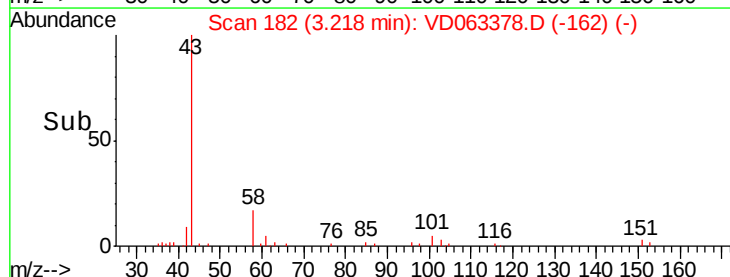
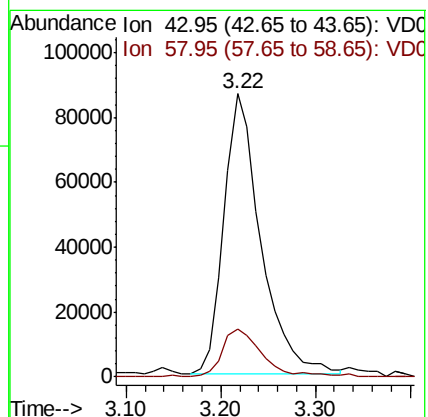
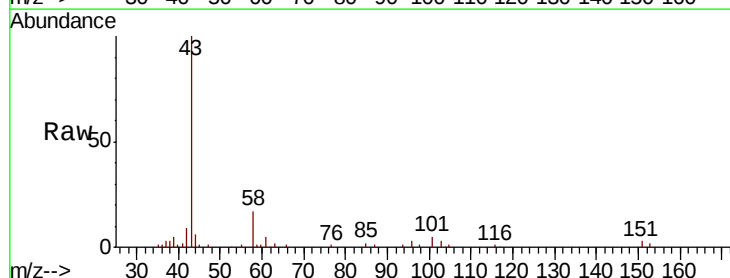
Acq: 5 Aug 2019 14:06

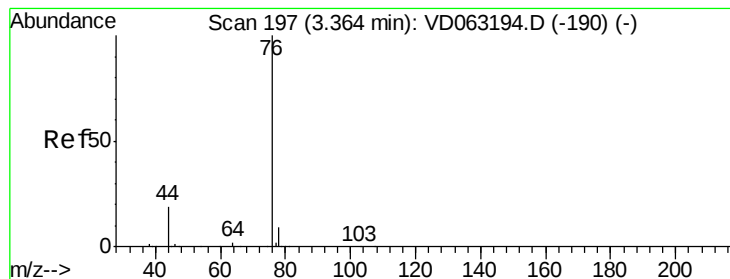
Tgt Ion: 43 Resp: 234403

Ion Ratio Lower Upper

43 100

58 16.9 13.0 19.4





#17

Carbon Disulfide

Concen: 19.913 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

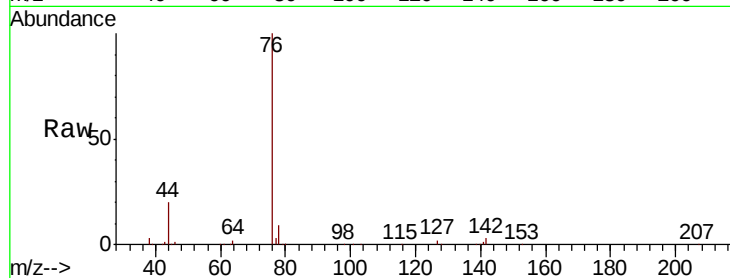
VD0805SBSD01

Tgt Ion: 76 Resp: 565909

Ion Ratio Lower Upper

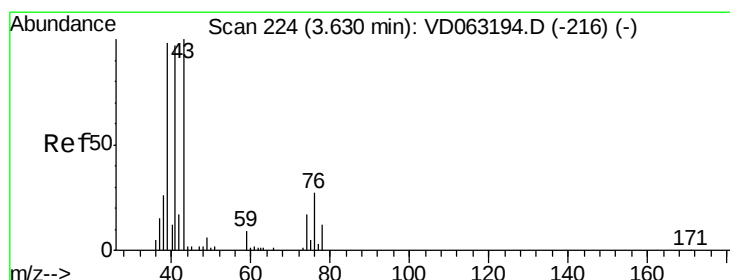
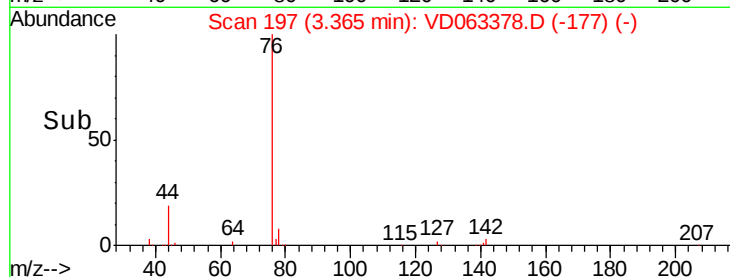
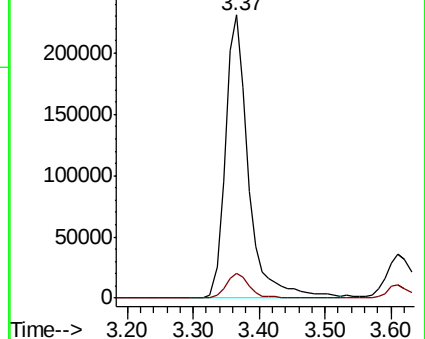
76 100

78 8.7 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: 23.861 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063378.D

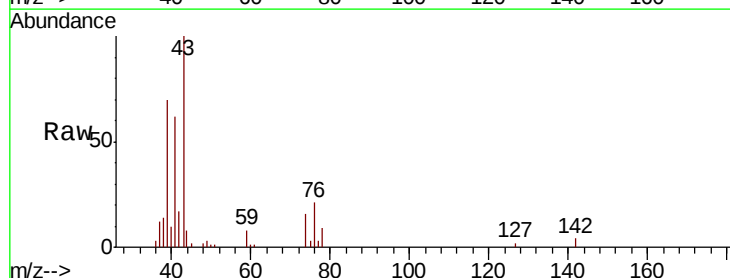
Acq: 5 Aug 2019 14:06

Tgt Ion: 43 Resp: 108470

Ion Ratio Lower Upper

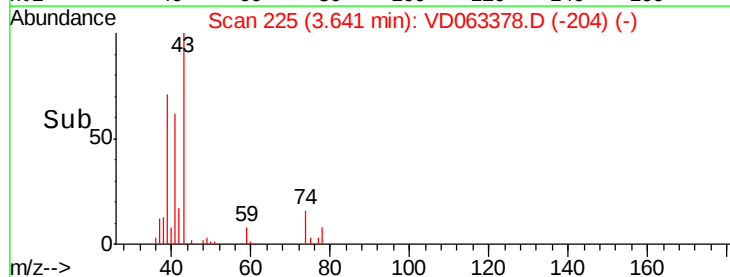
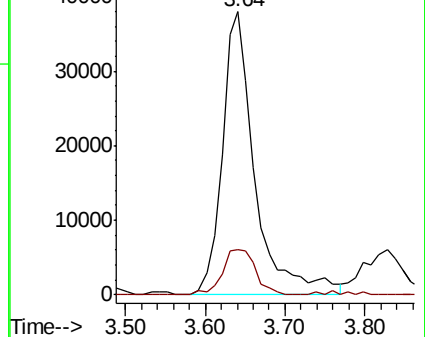
43 100

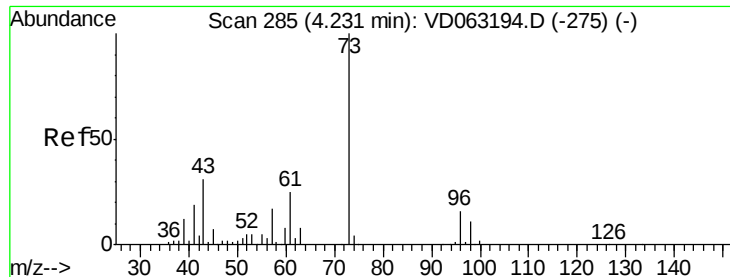
74 16.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

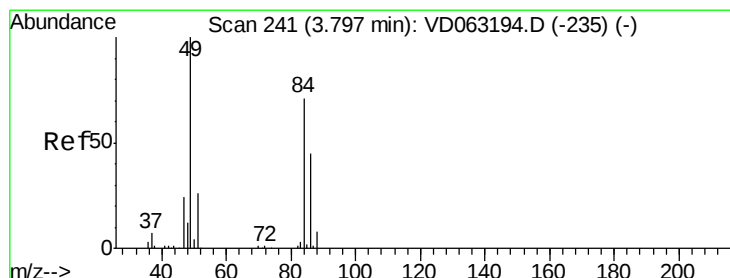
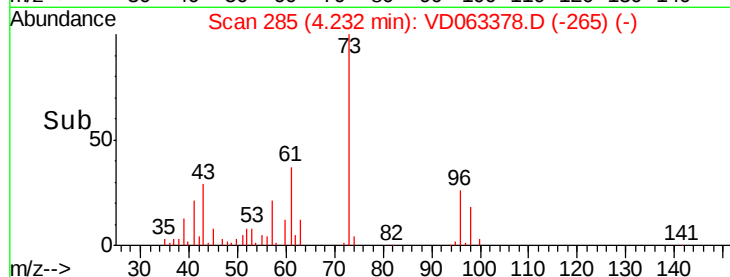
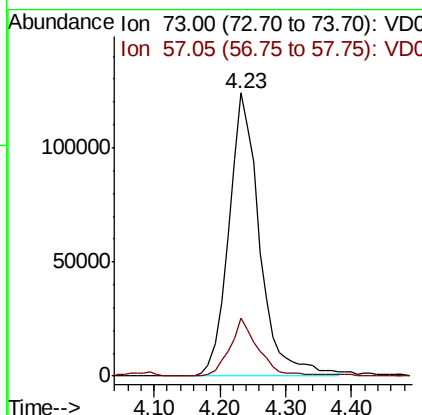
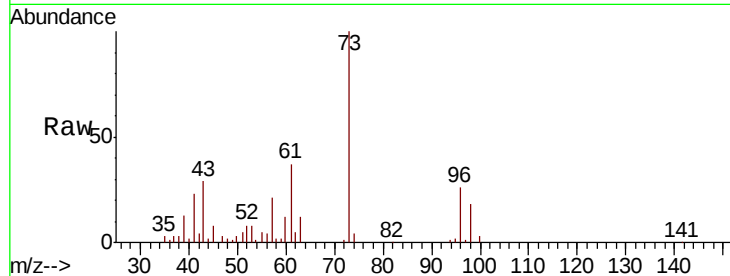




#19
Methyl tert-butyl Ether
Concen: 21.260 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

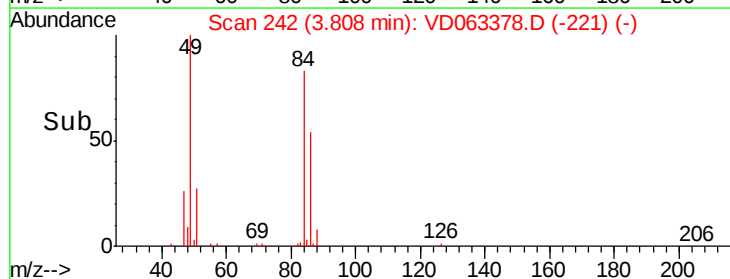
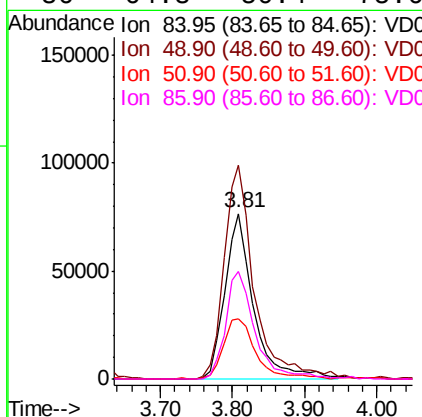
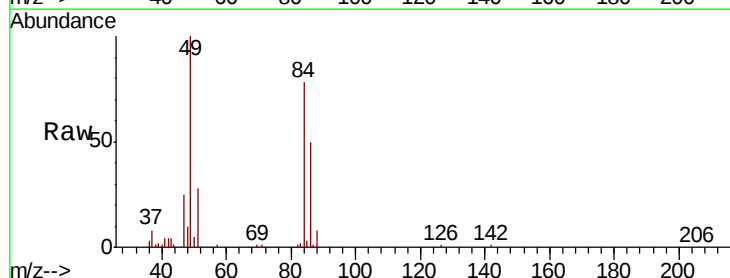
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

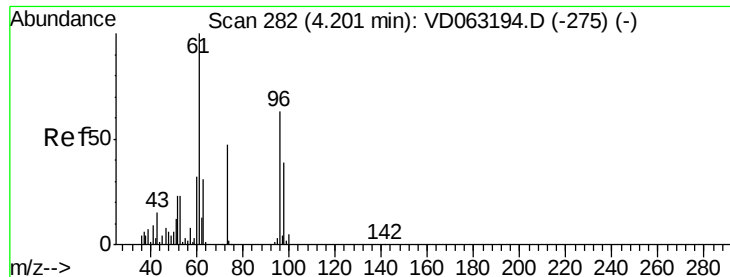
Tgt Ion: 73 Resp: 407767
Ion Ratio Lower Upper
73 100
57 20.5 13.8 20.6



#20
Methylene Chloride
Concen: 22.055 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 84 Resp: 210986
Ion Ratio Lower Upper
84 100
49 129.0 112.5 168.7
51 36.1 29.6 44.4
86 64.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.881 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

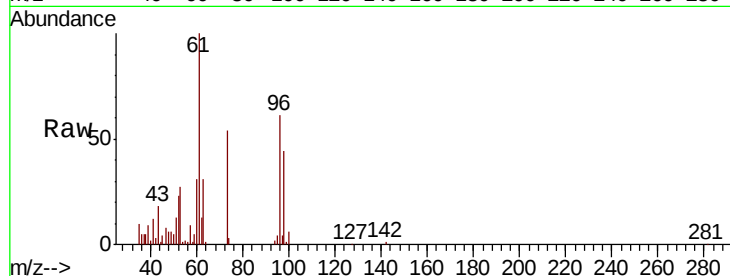
Tgt Ion: 96 Resp: 198939

Ion Ratio Lower Upper

96 100

61 163.4 127.4 191.2

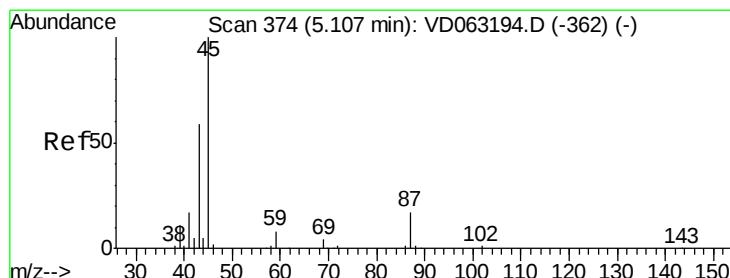
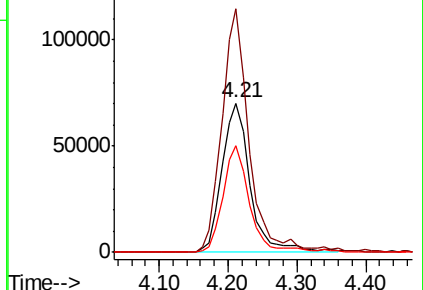
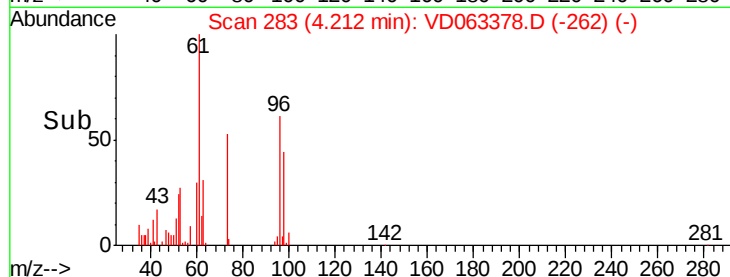
98 71.6 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.833 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Tgt Ion: 45 Resp: 562983

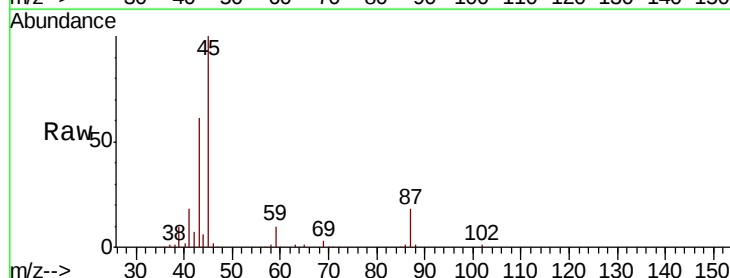
Ion Ratio Lower Upper

45 100

43 60.8 51.7 77.5

87 18.1 14.6 21.8

59 10.0 6.6 10.0#

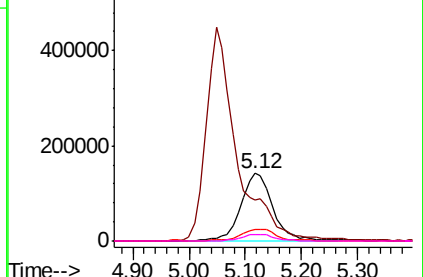
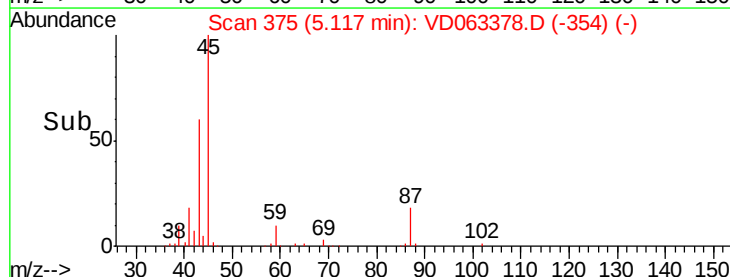


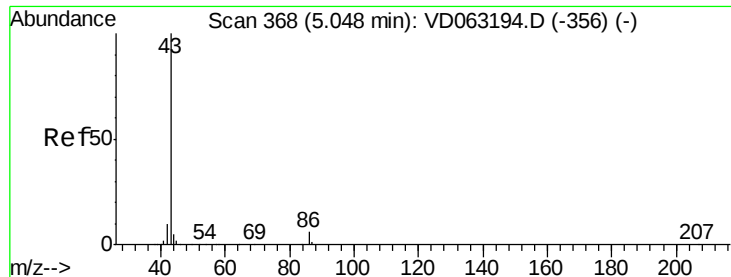
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.557 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

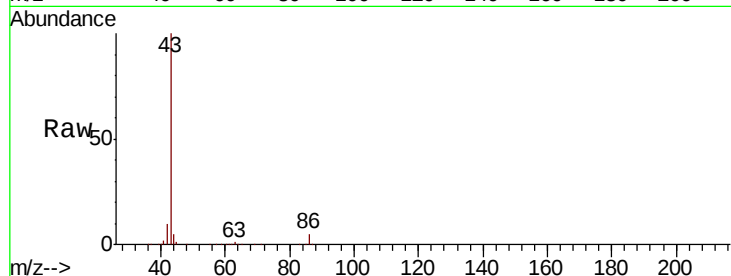
VD0805SBSD01

Tgt Ion: 43 Resp: 1703644

Ion Ratio Lower Upper

43 100

86 5.5 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

400000

300000

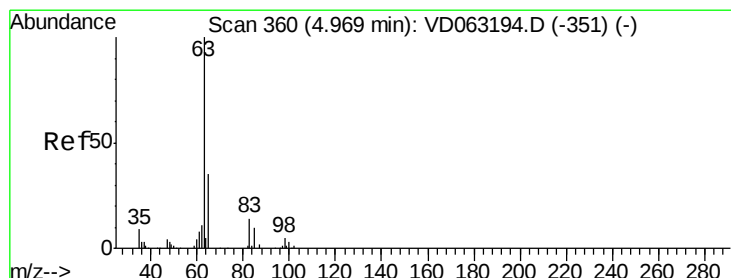
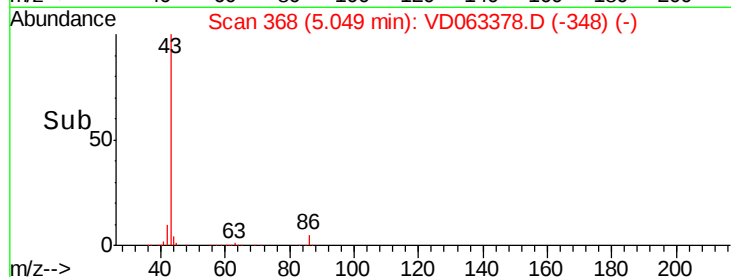
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 21.245 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

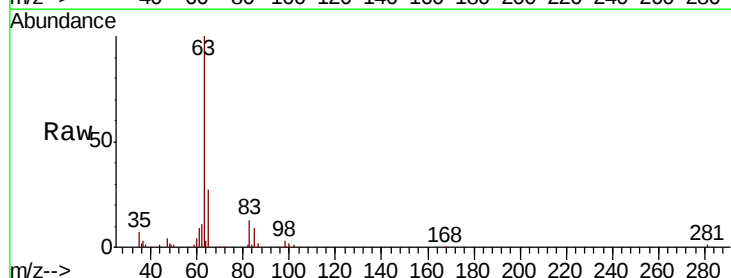
Tgt Ion: 63 Resp: 366729

Ion Ratio Lower Upper

63 100

98 2.9 2.8 8.4

100 2.1 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

4.98

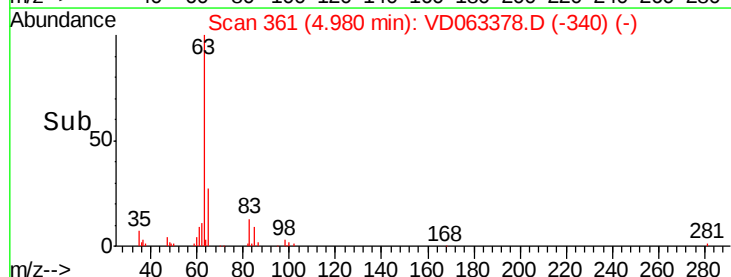
100000

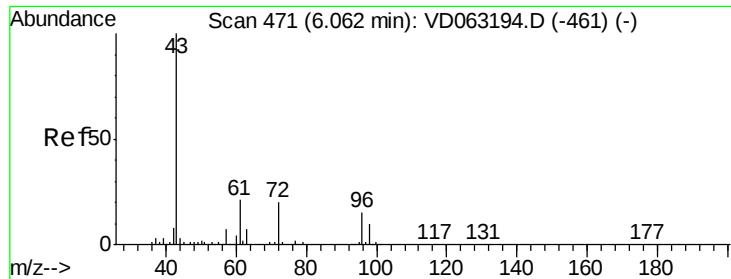
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 99.834 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

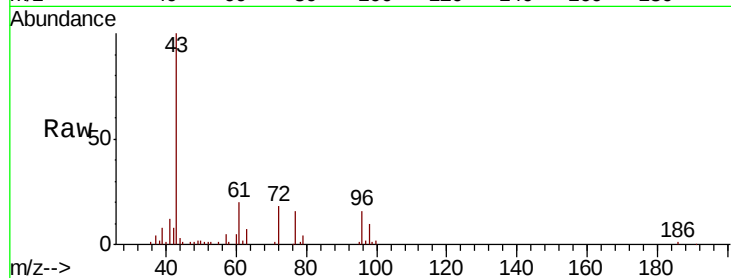
VD0805SBSD01

Tgt Ion: 43 Resp: 237118

Ion Ratio Lower Upper

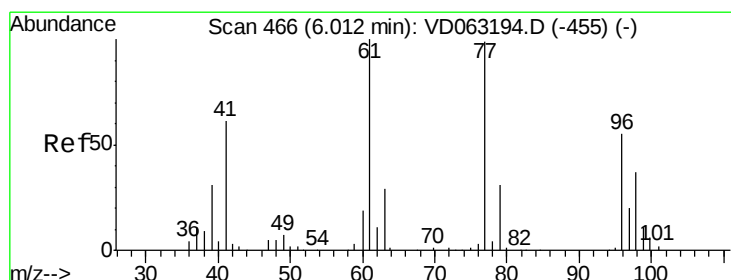
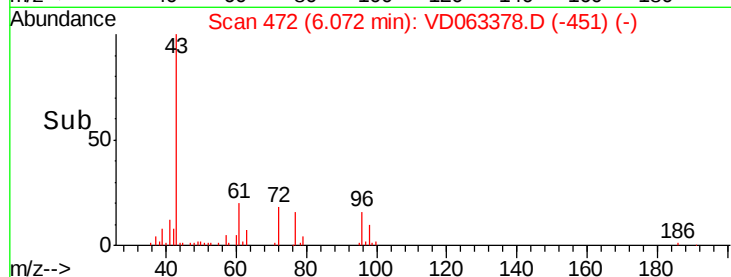
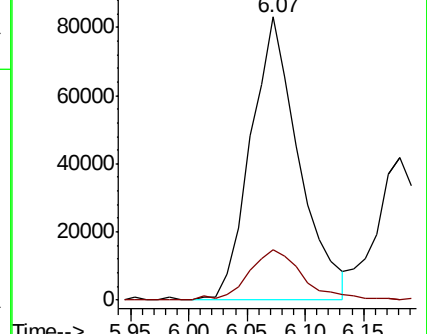
43 100

72 17.9 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: 20.749 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063378.D

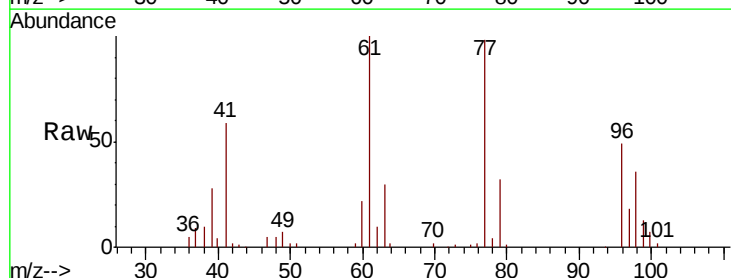
Acq: 5 Aug 2019 14:06

Tgt Ion: 77 Resp: 369101

Ion Ratio Lower Upper

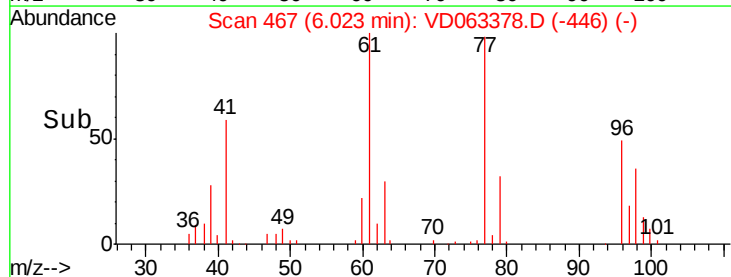
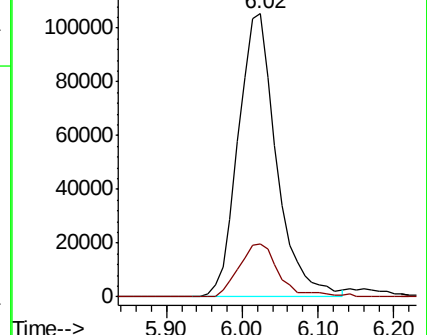
77 100

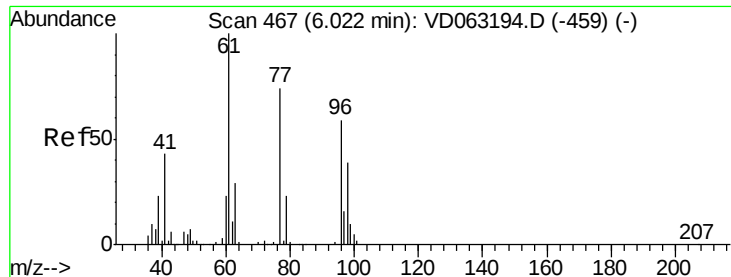
97 18.6 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



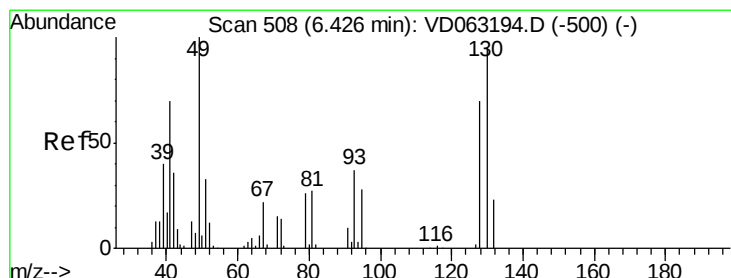
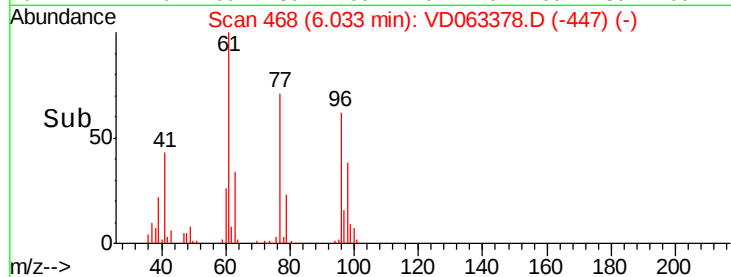
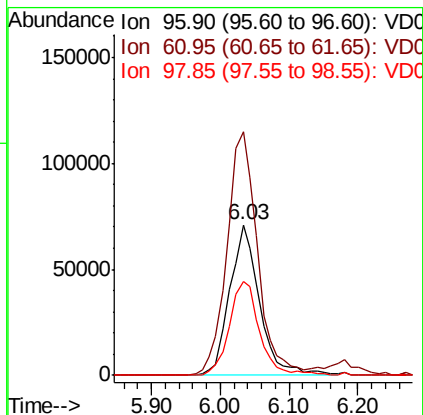
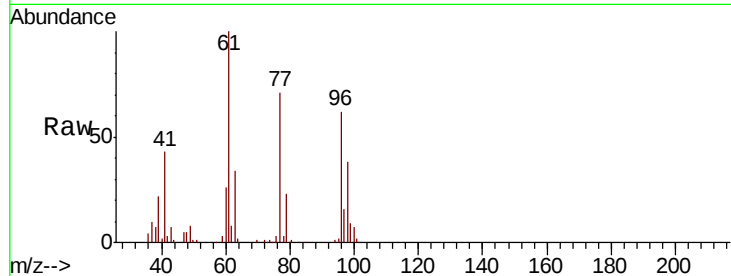


#27

cis-1,2-Dichloroethene
Concen: 20.854 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

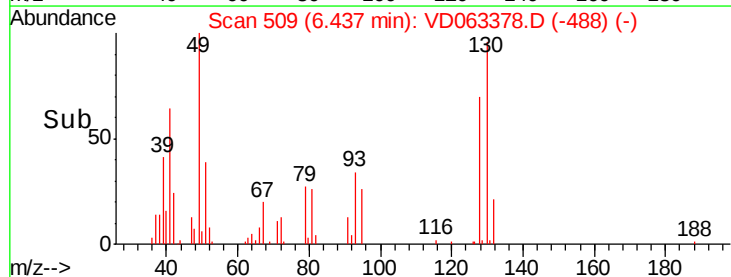
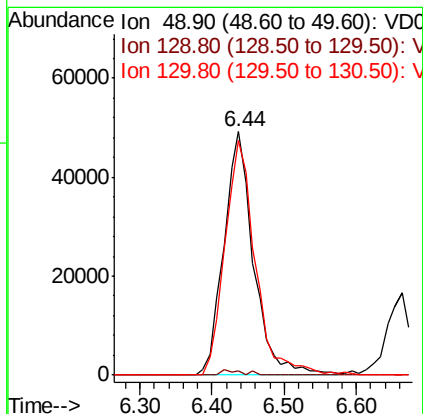
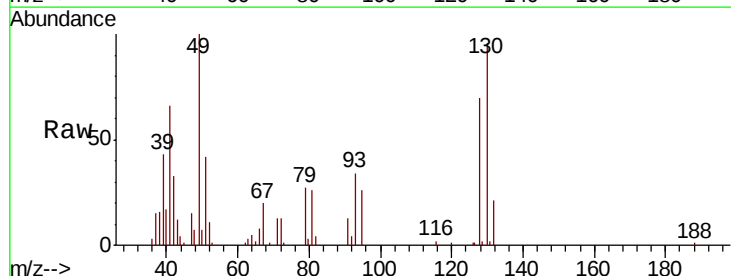
Tgt Ion: 96 Resp: 213015
Ion Ratio Lower Upper
96 100
61 162.0 0.0 337.2
98 62.4 0.0 130.6

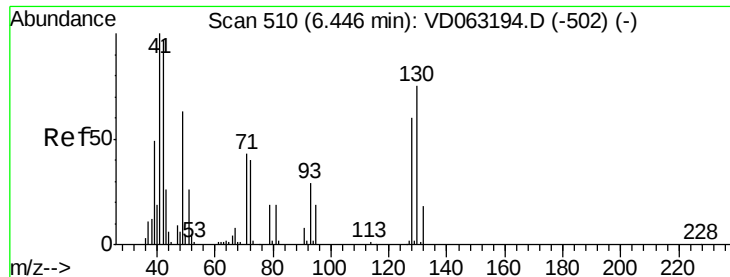


#28

Bromochloromethane
Concen: 20.440 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 49 Resp: 140580
Ion Ratio Lower Upper
49 100
129 2.0 0.0 0.0#
130 96.3 75.7 113.5





#29

Tetrahydrofuran

Concen: 98.938 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

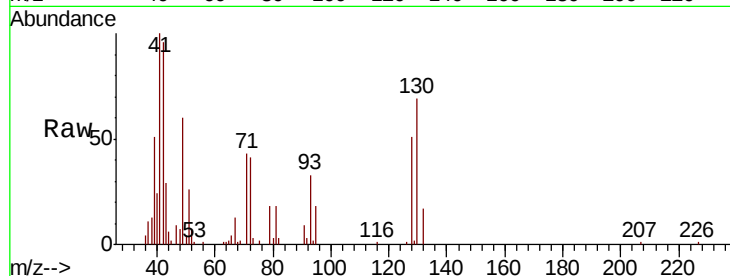
Tgt Ion: 42 Resp: 111256

Ion Ratio Lower Upper

42 100

72 45.1 33.4 50.2

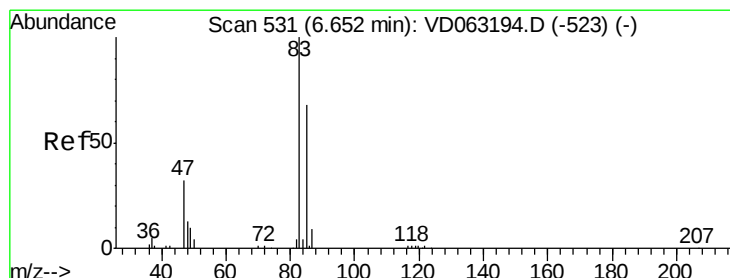
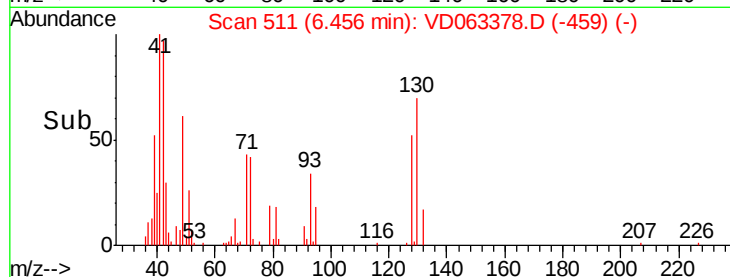
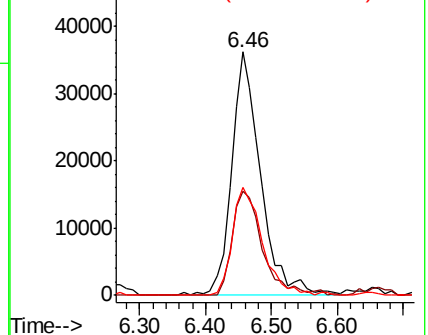
71 45.6 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.078 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063378.D

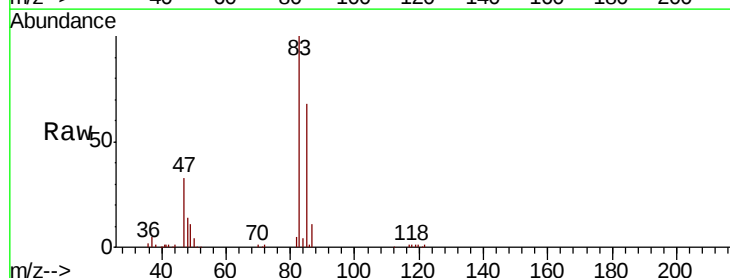
Acq: 5 Aug 2019 14:06

Tgt Ion: 83 Resp: 451537

Ion Ratio Lower Upper

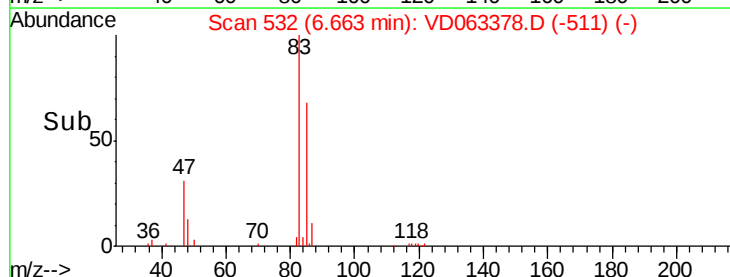
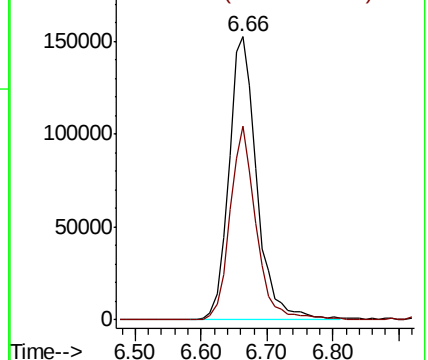
83 100

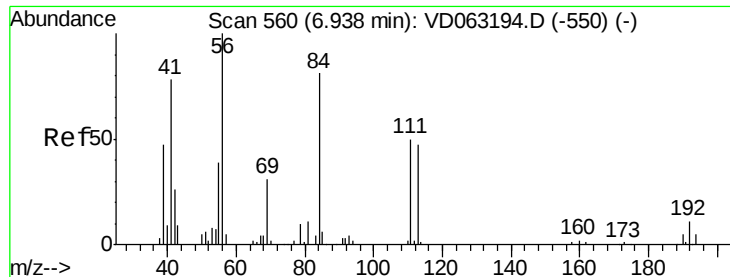
85 68.5 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

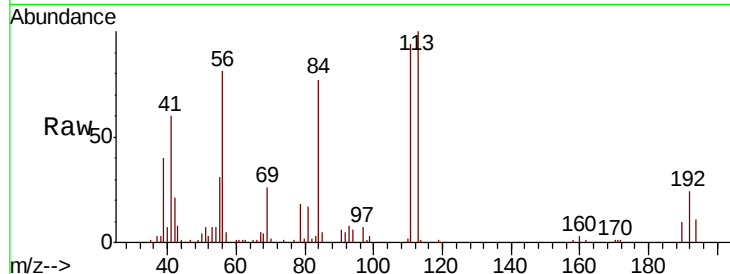




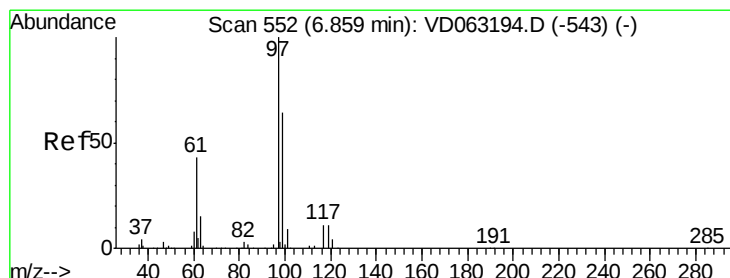
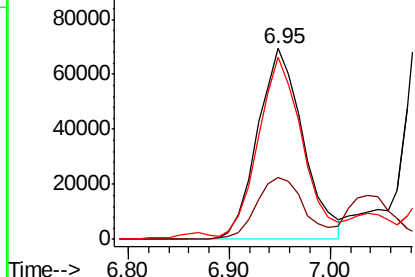
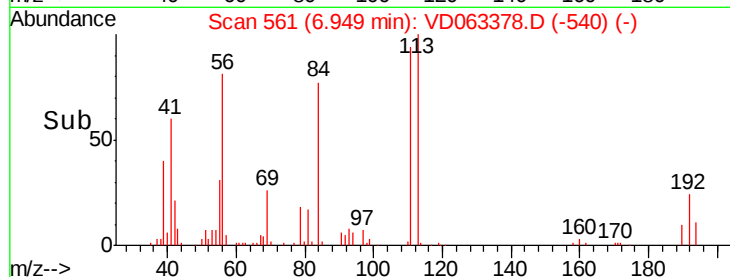
#31
Cyclohexane
Concen: 20.140 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

Tgt Ion: 56 Resp: 217911
Ion Ratio Lower Upper
56 100
69 32.2 24.5 36.7
84 95.8 64.9 97.3

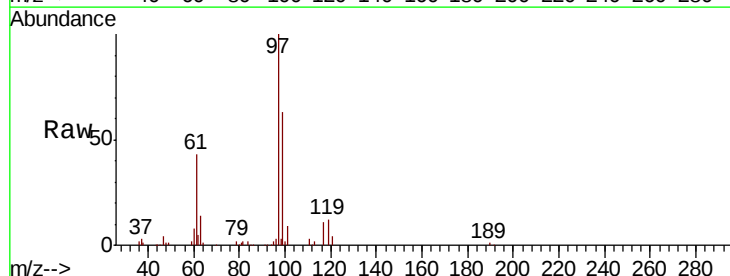


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

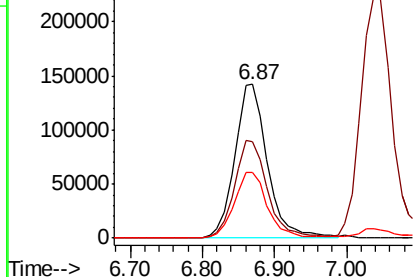
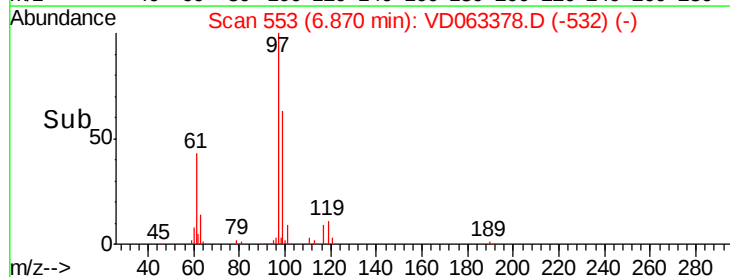


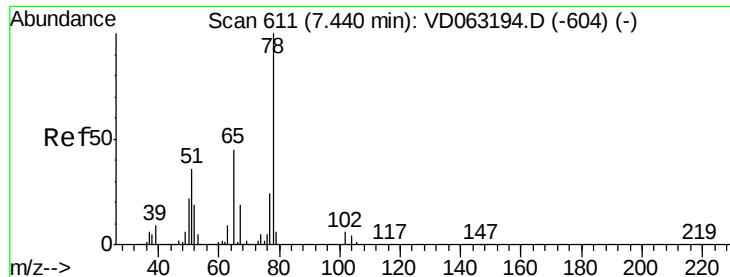
#32
1,1,1-Trichloroethane
Concen: 21.584 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 97 Resp: 447226
Ion Ratio Lower Upper
97 100
99 63.0 51.2 76.8
61 43.0 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 50.046 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

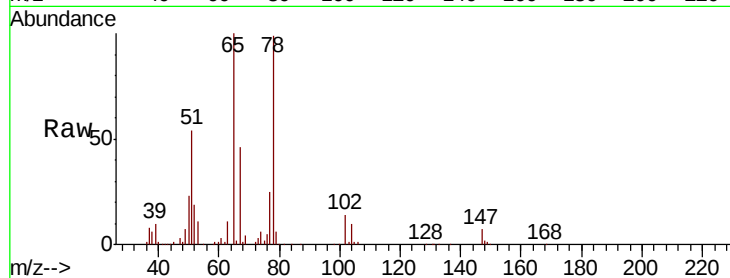
VD0805SBSD01

Tgt Ion: 65 Resp: 607887

Ion Ratio Lower Upper

65 100

67 45.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

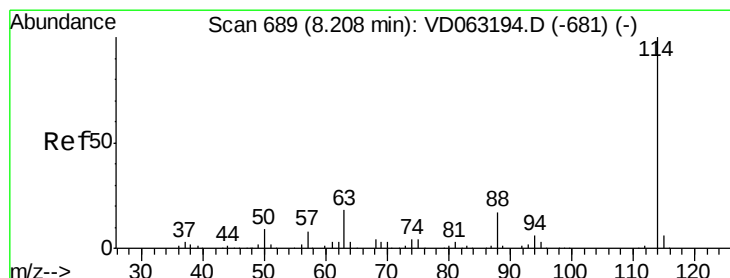
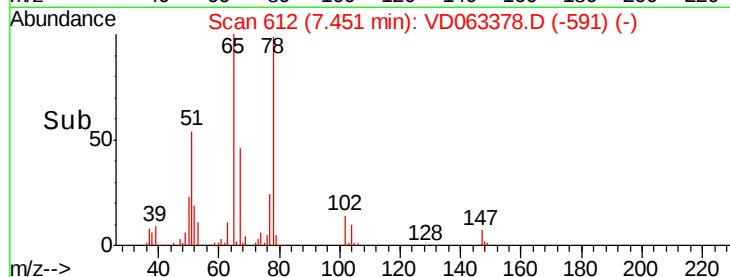
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

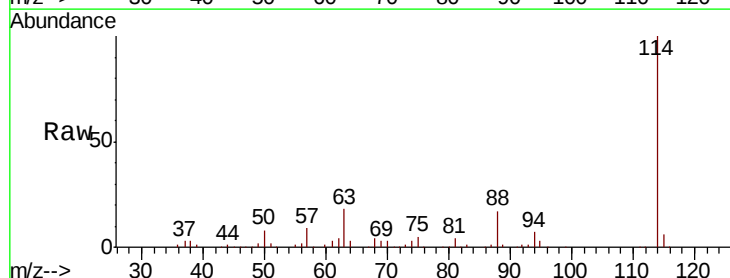
Tgt Ion: 114 Resp: 1437658

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

88 17.1 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

800000

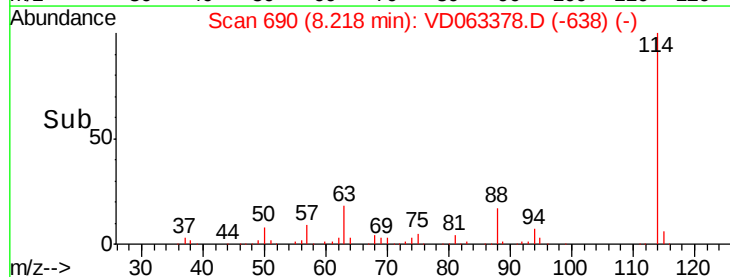
600000

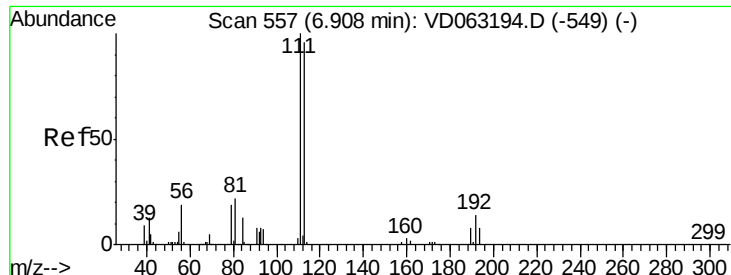
400000

200000

0

Time--> 8.10 8.20 8.30 8.40 8.50

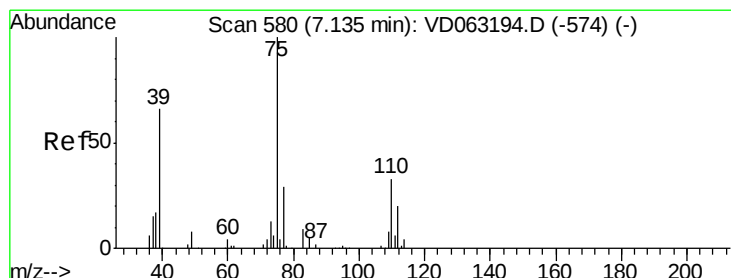
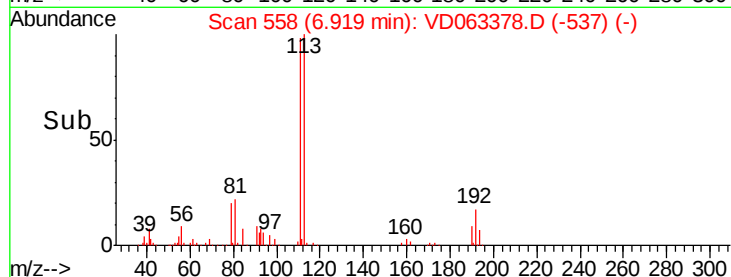
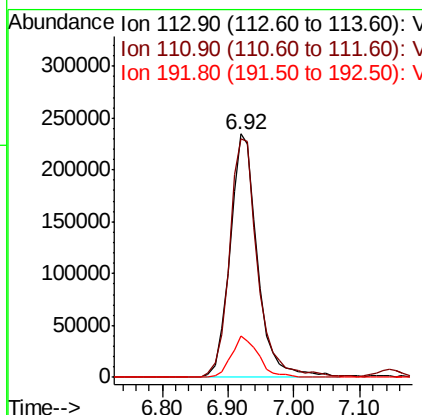
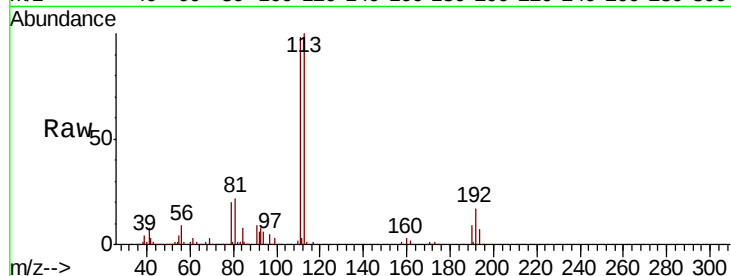




#35
 Dibromofluoromethane
 Concen: 55.766 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

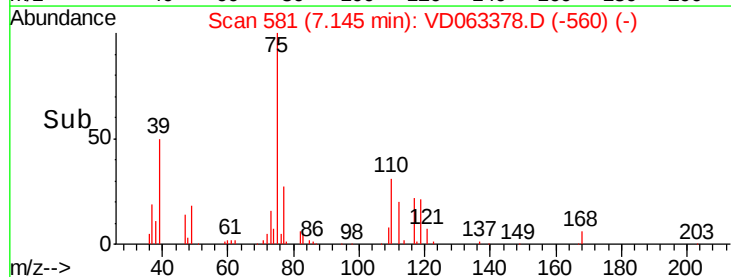
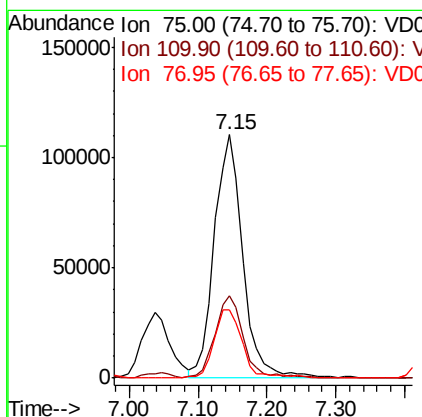
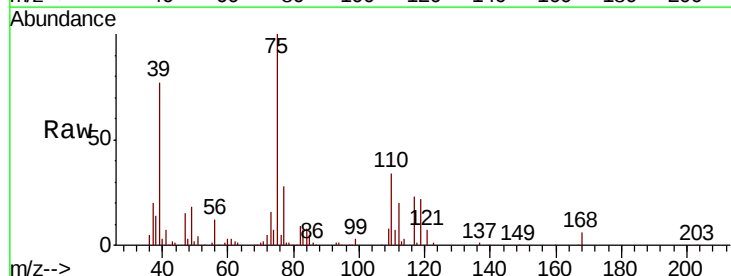
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

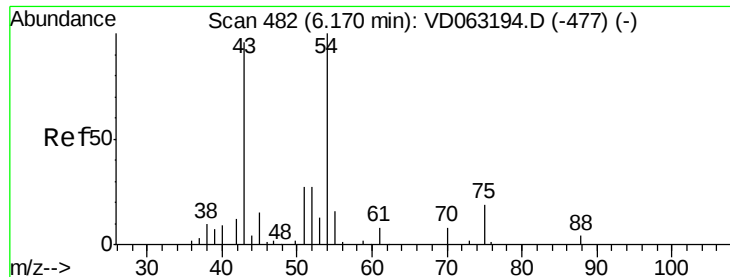
Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.9	83.2	124.8
192	16.8	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 23.805 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.1	48.2
77	28.2	22.7	34.1

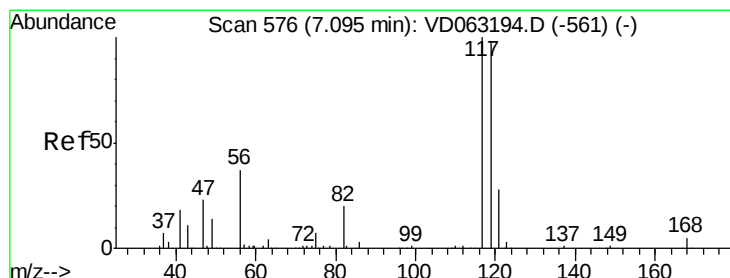
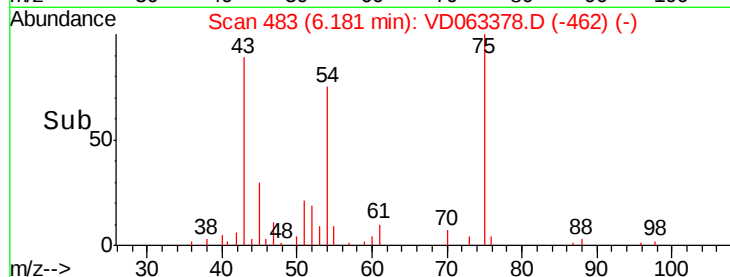
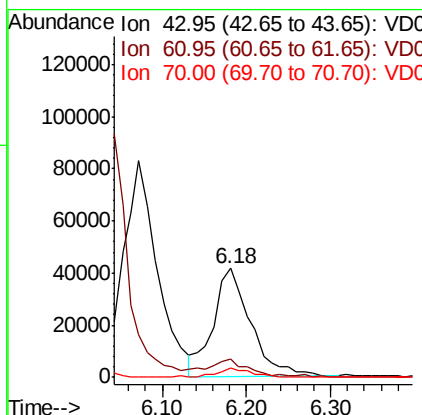
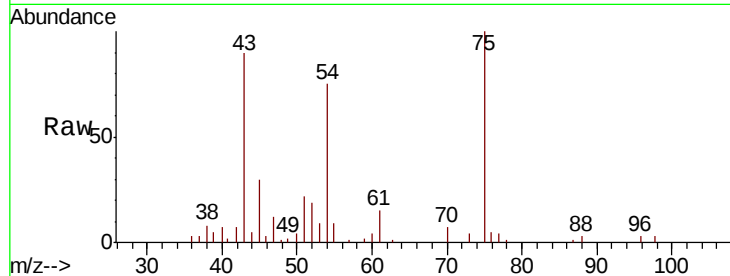




#37
 Ethyl Acetate
 Concen: 21.650 ug/l
 RT: 6.18 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

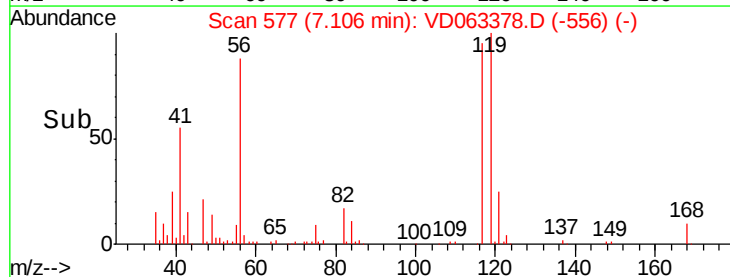
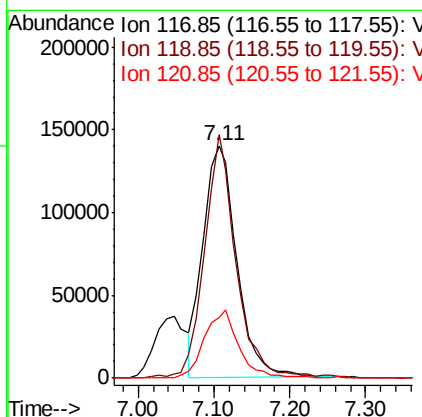
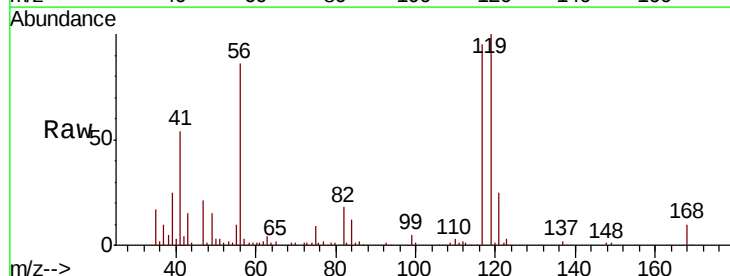
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

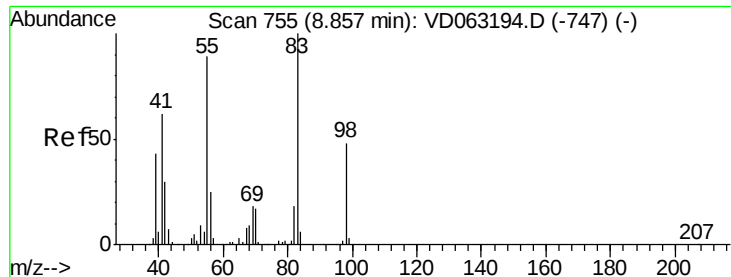
Tgt Ion: 43 Resp: 127615
 Ion Ratio Lower Upper
 43 100
 61 17.2 11.3 16.9#
 70 8.3 5.1 7.7#



#38
 Carbon Tetrachloride
 Concen: 22.076 ug/l
 RT: 7.11 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion: 117 Resp: 436047
 Ion Ratio Lower Upper
 117 100
 119 104.8 78.2 117.2
 121 26.1 22.1 33.1

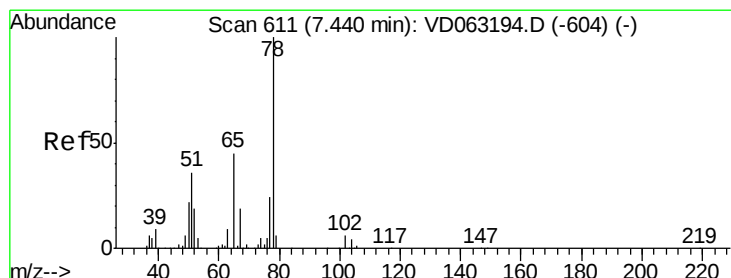
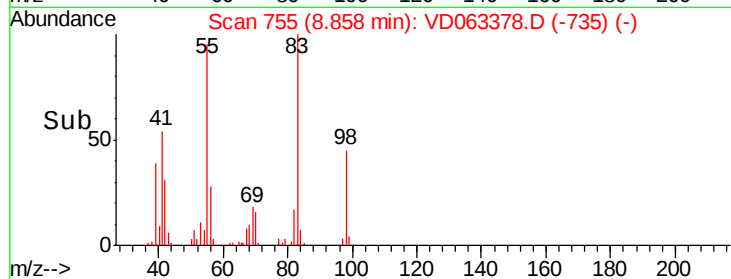
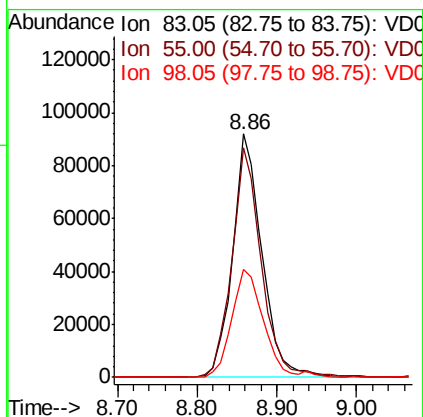
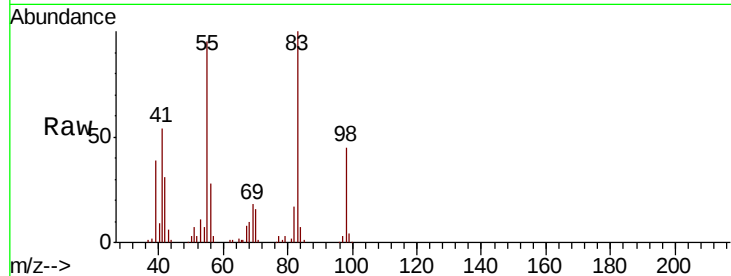




#39
Methylcyclohexane
Concen: 21.517 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

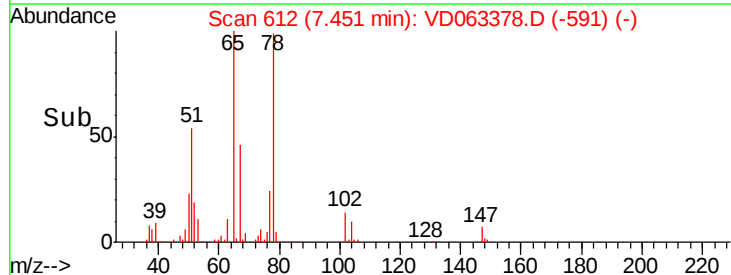
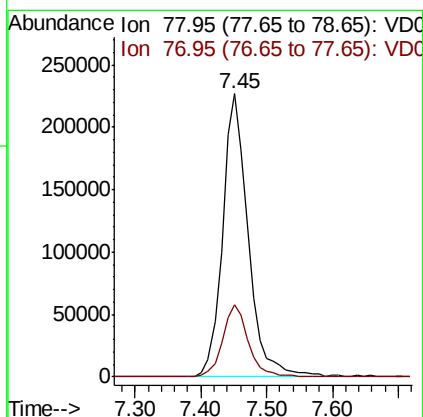
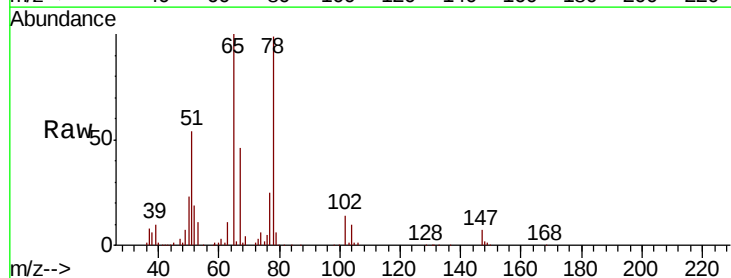
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

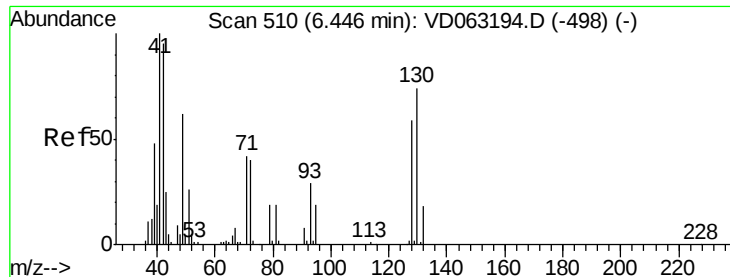
Tgt Ion: 83 Resp: 235219
Ion Ratio Lower Upper
83 100
55 94.5 71.1 106.7
98 44.6 38.5 57.7



#40
Benzene
Concen: 22.336 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 78 Resp: 614191
Ion Ratio Lower Upper
78 100
77 25.4 19.4 29.2





#41

Methacrylonitrile

Concen: 21.278 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

Tgt Ion: 41 Resp: 150034

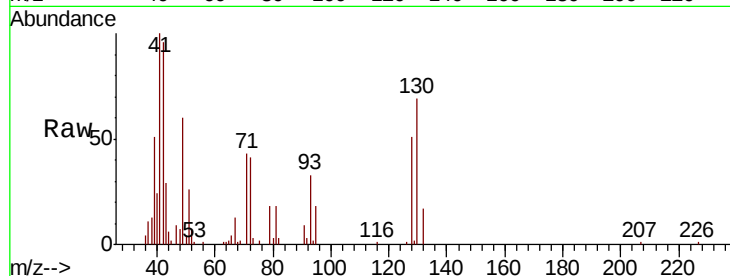
Ion Ratio Lower Upper

41 100

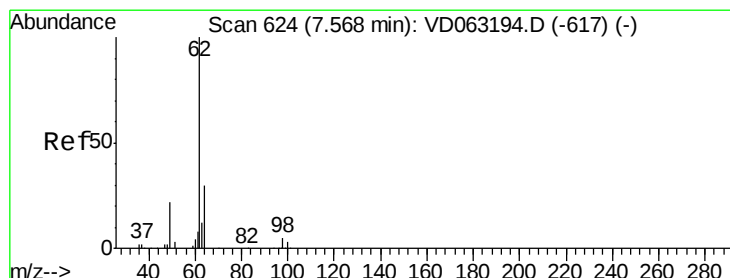
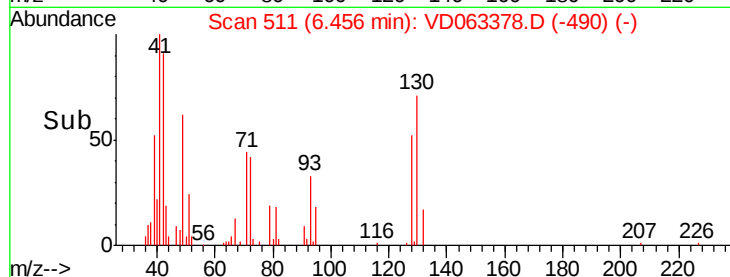
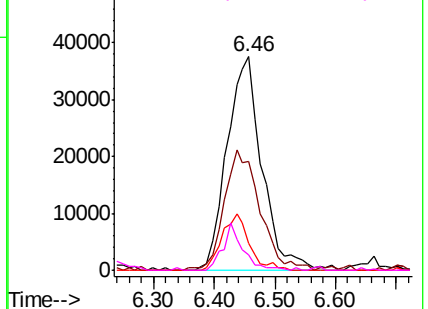
39 50.9 38.4 57.6

67 12.7 6.7 10.1#

52 7.3 4.3 6.5#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.757 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD063378.D

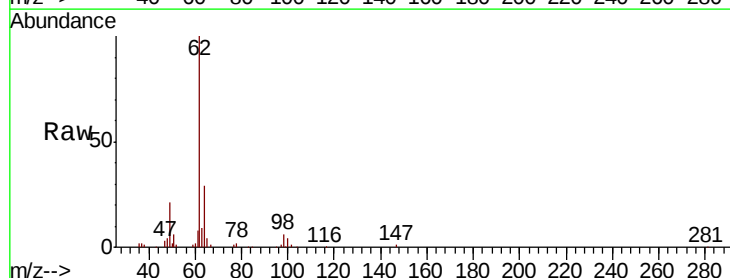
Acq: 5 Aug 2019 14:06

Tgt Ion: 62 Resp: 302498

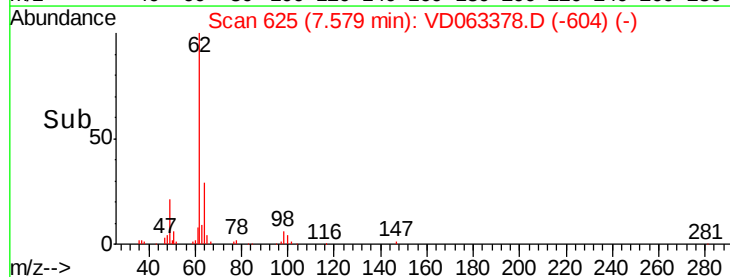
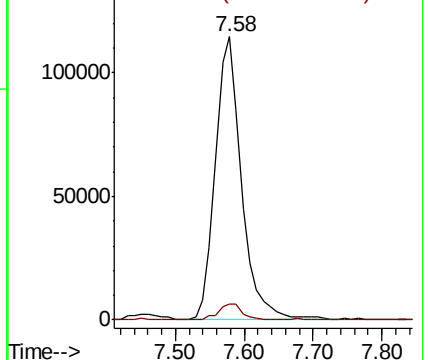
Ion Ratio Lower Upper

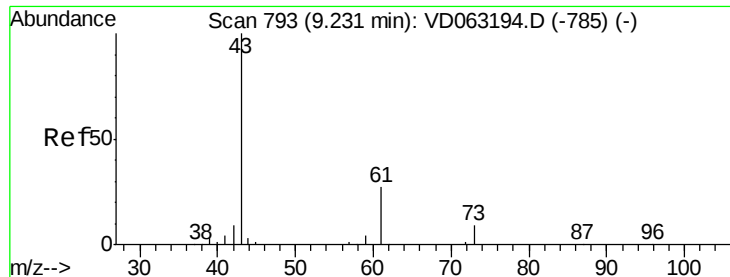
62 100

98 5.8 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.288 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

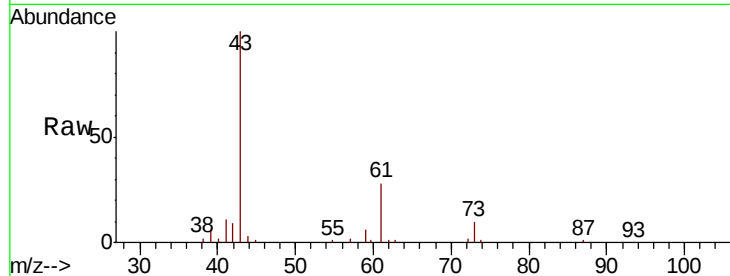
Tgt Ion: 43 Resp: 160289

Ion Ratio Lower Upper

43 100

61 28.3 21.4 32.0

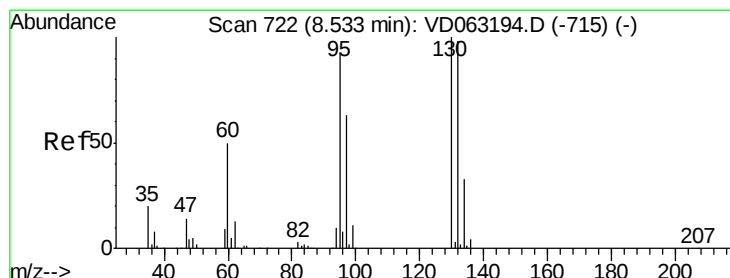
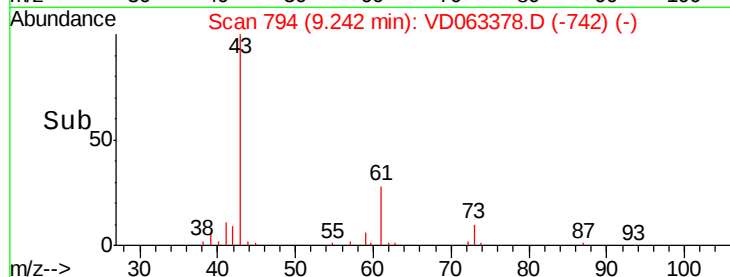
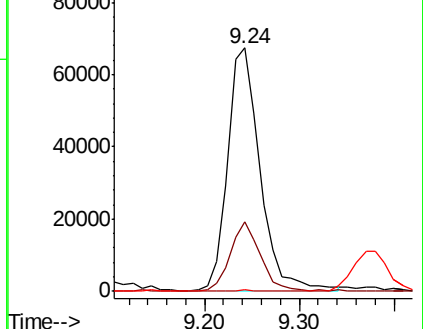
87 0.6 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.775 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD063378.D

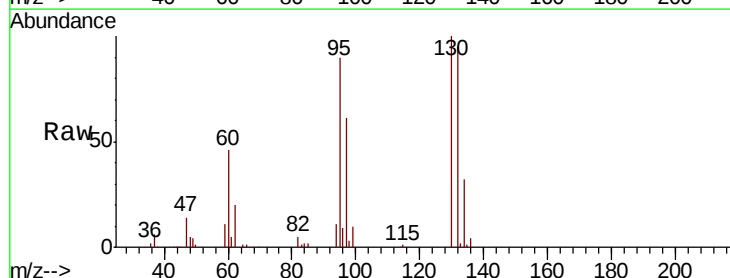
Acq: 5 Aug 2019 14:06

Tgt Ion: 130 Resp: 242631

Ion Ratio Lower Upper

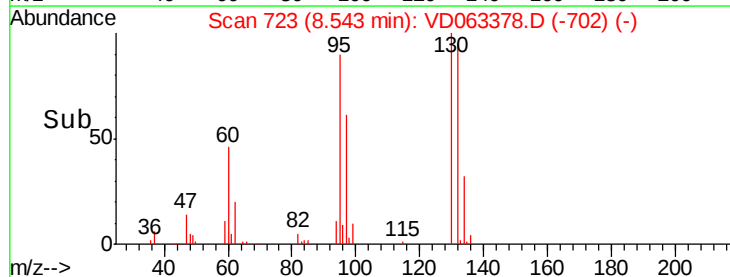
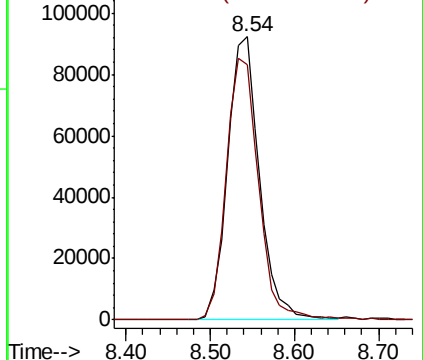
130 100

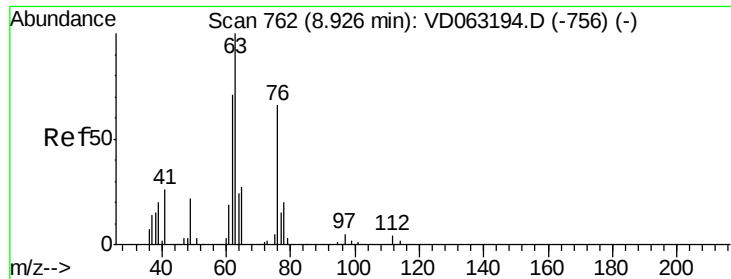
95 90.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.242 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

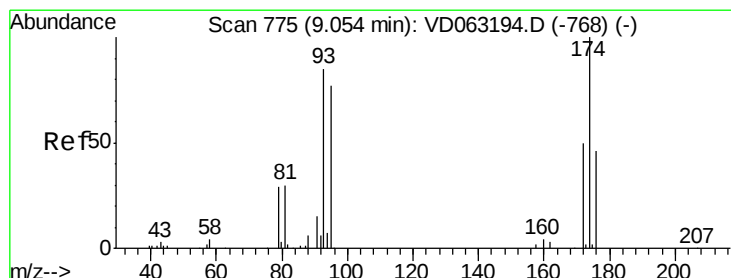
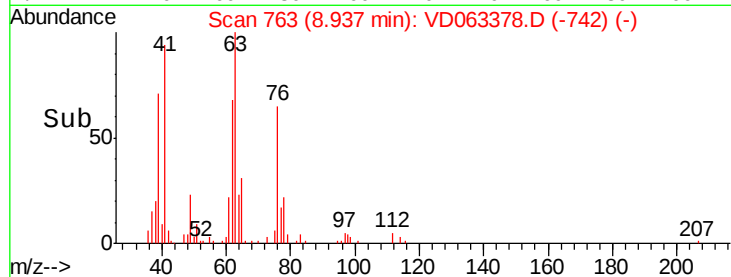
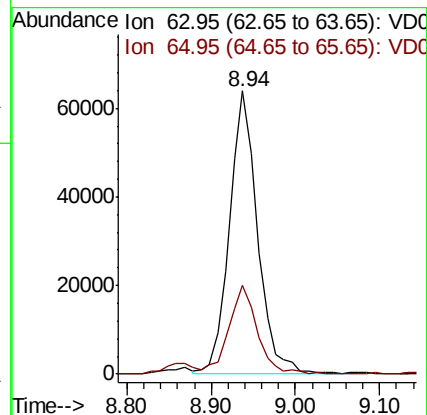
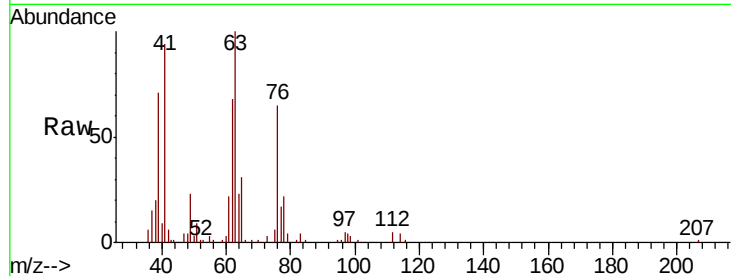
VD0805SBSD01

Tgt Ion: 63 Resp: 148469

Ion Ratio Lower Upper

63 100

65 31.2 23.6 35.4



#46

Dibromomethane

Concen: 22.778 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

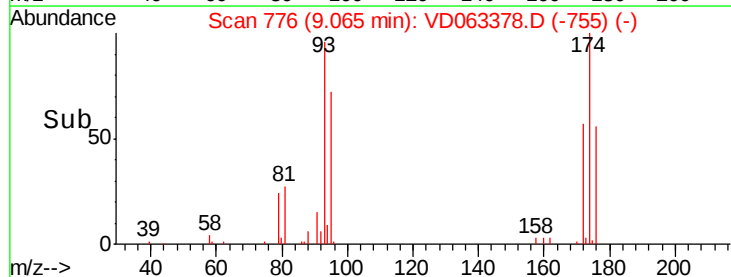
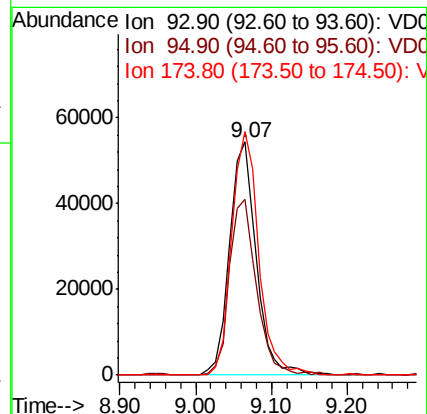
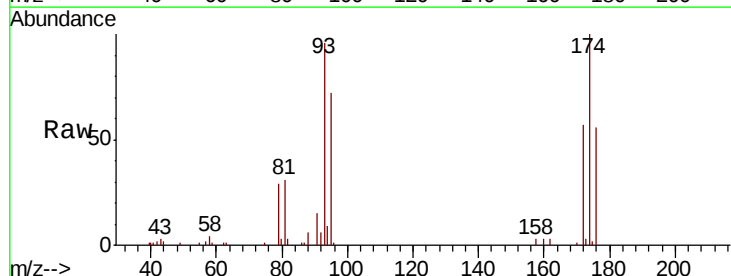
Tgt Ion: 93 Resp: 132375

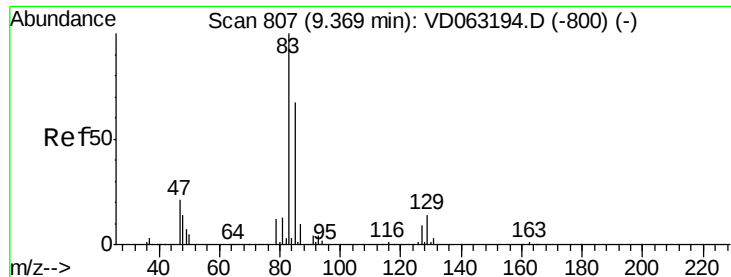
Ion Ratio Lower Upper

93 100

95 75.7 72.8 109.2

174 104.6 94.4 141.6





#47

Bromodichloromethane

Concen: 20.913 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

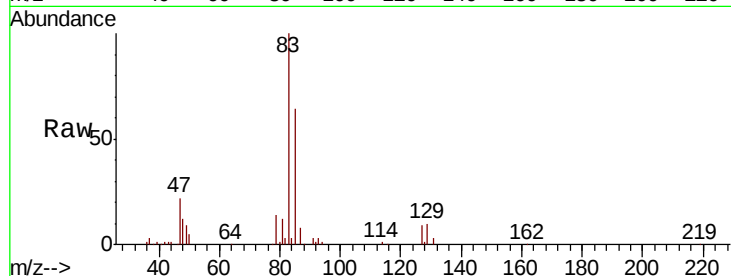
Tgt Ion: 83 Resp: 309811

Ion Ratio Lower Upper

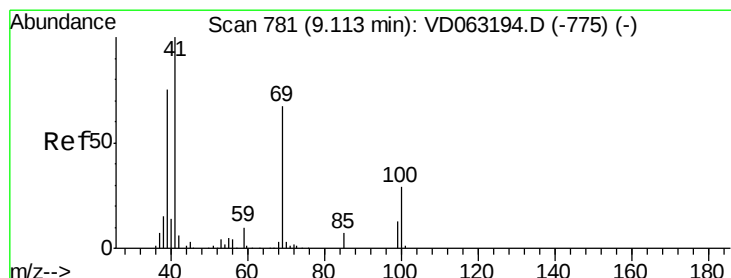
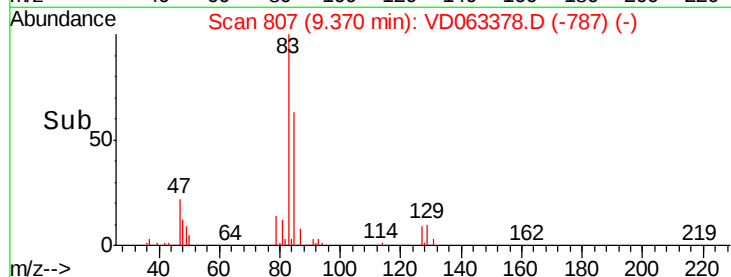
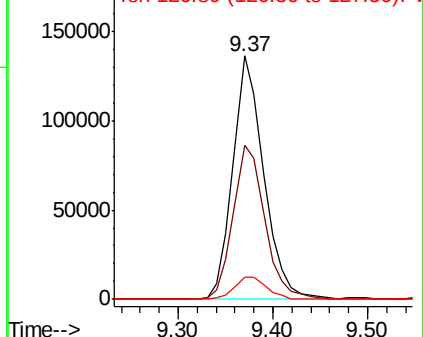
83 100

85 63.5 53.6 80.4

127 8.9 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.437 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

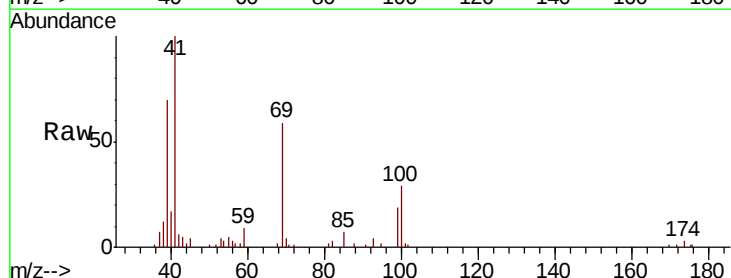
Tgt Ion: 41 Resp: 109568

Ion Ratio Lower Upper

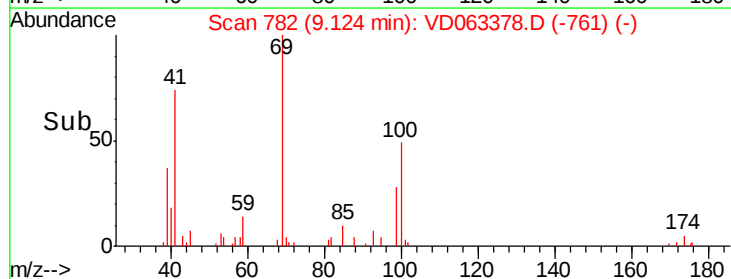
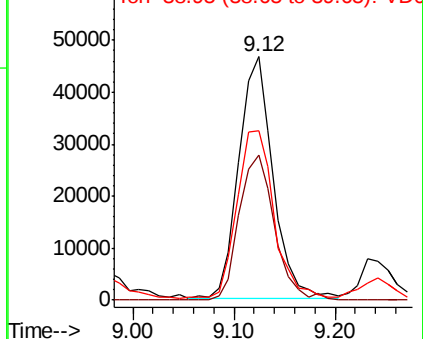
41 100

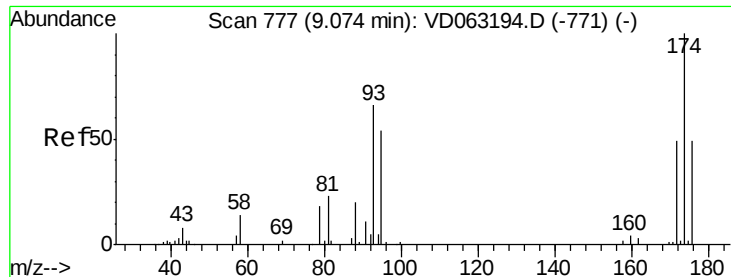
69 59.5 53.4 80.0

39 69.6 60.3 90.5



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

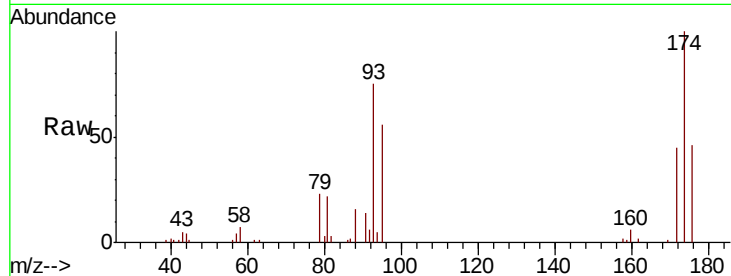




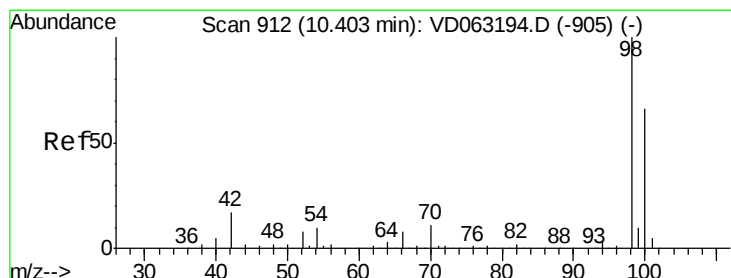
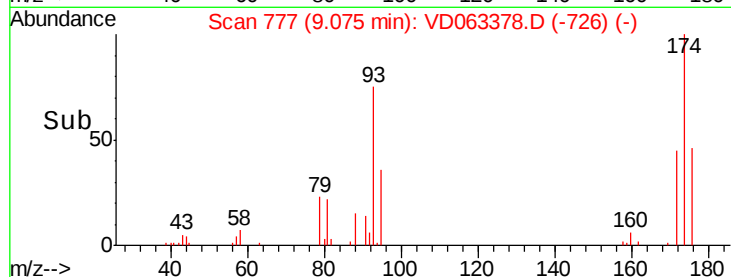
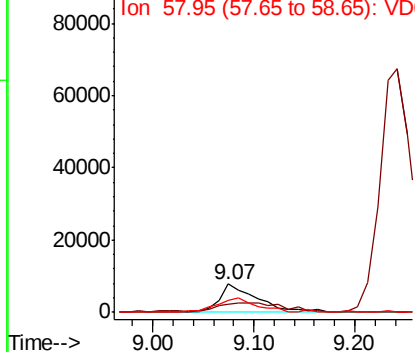
#49
1,4-Dioxane
Concen: 487.715 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

Tgt Ion: 88 Resp: 20263
Ion Ratio Lower Upper
88 100
43 28.2 30.7 46.1#
58 44.0 56.5 84.7#

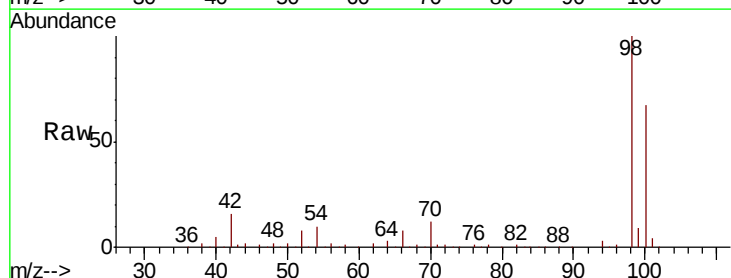


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

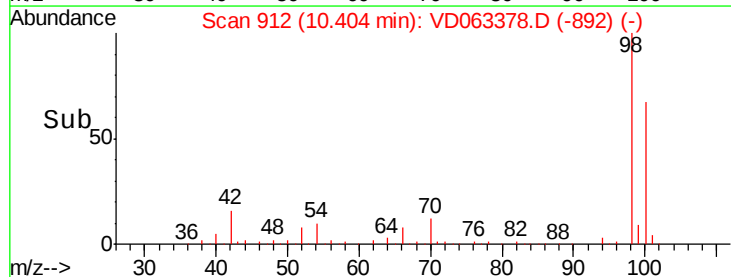
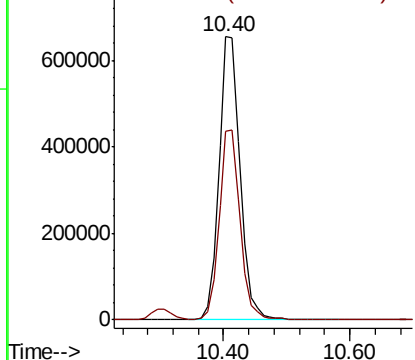


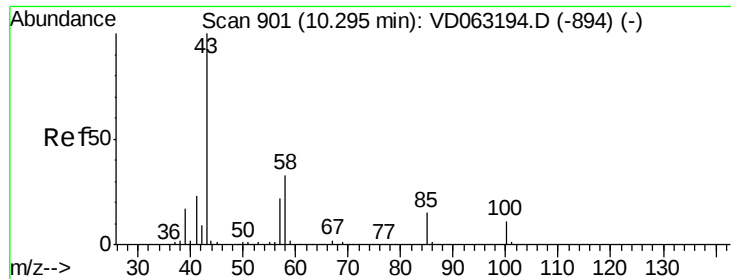
#50
Toluene-d8
Concen: 55.916 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 98 Resp: 1536039
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

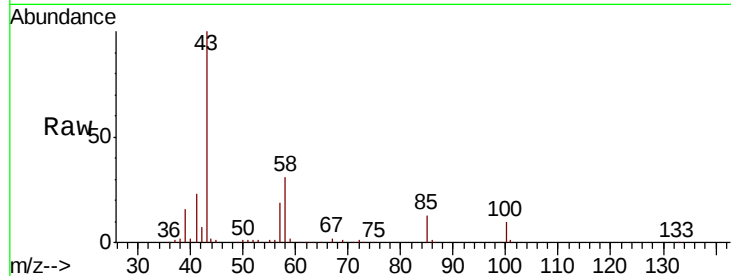




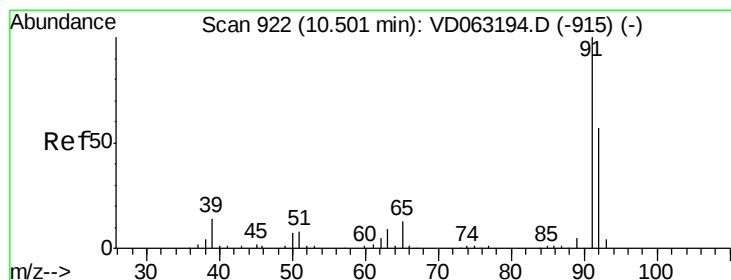
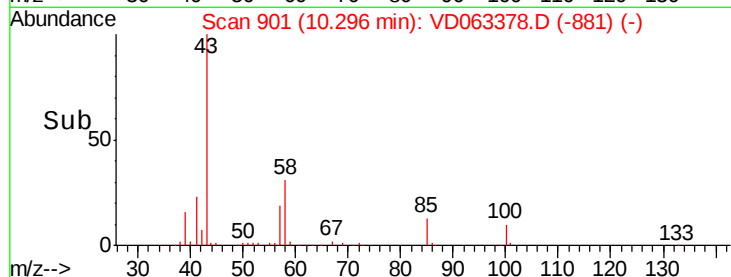
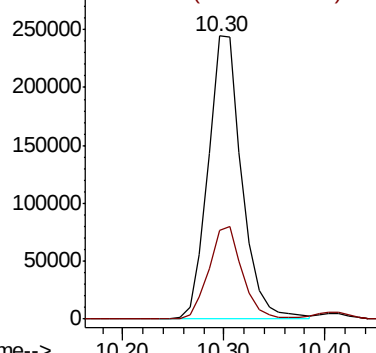
#51
 4-Methyl-2-Pentanone
 Concen: 110.914 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

Tgt Ion: 43 Resp: 567962
 Ion Ratio Lower Upper
 43 100
 58 31.3 26.2 39.2

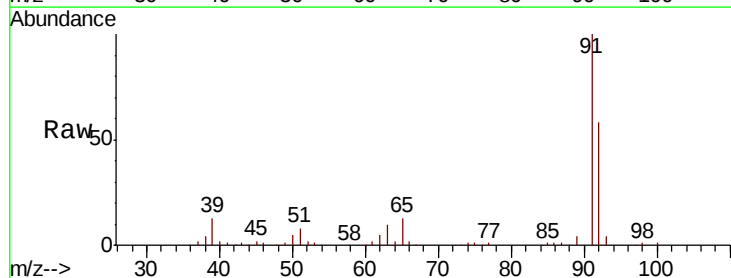


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

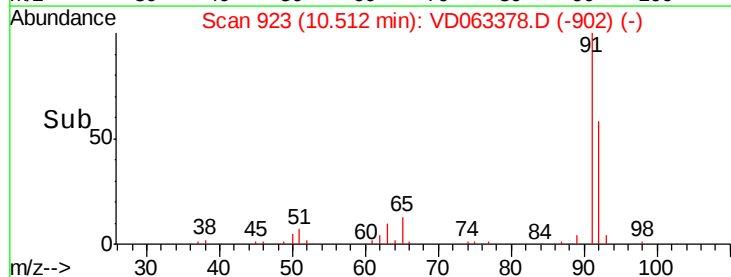
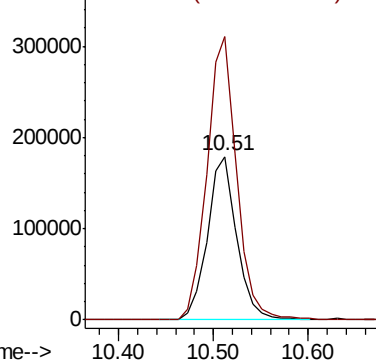


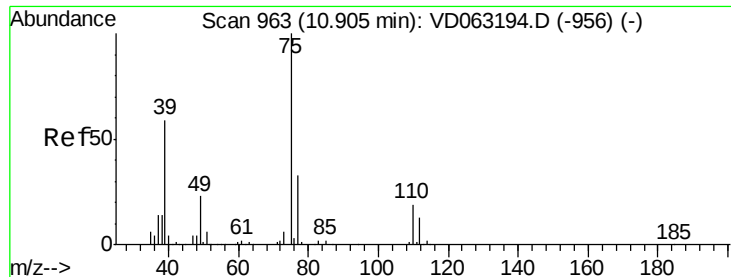
#52
 Toluene
 Concen: 20.955 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion: 92 Resp: 383255
 Ion Ratio Lower Upper
 92 100
 91 173.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC

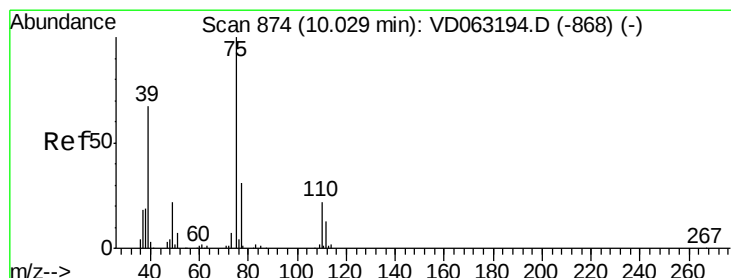
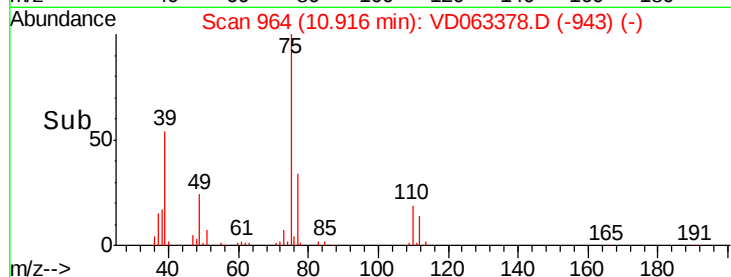
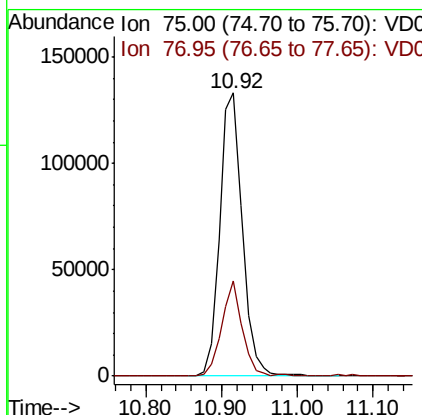
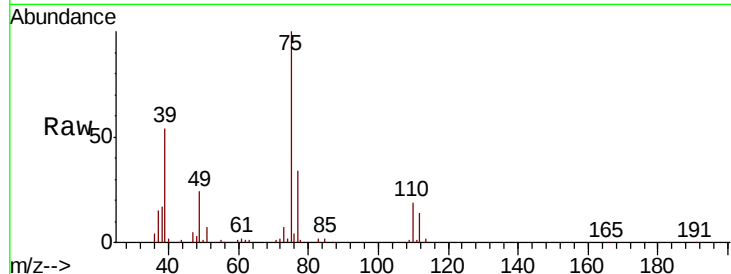




#53
 t-1,3-Dichloropropene
 Concen: 21.669 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

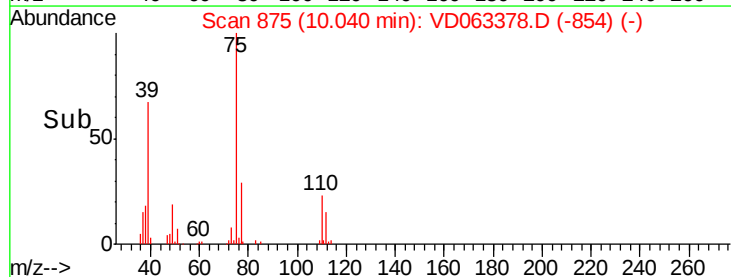
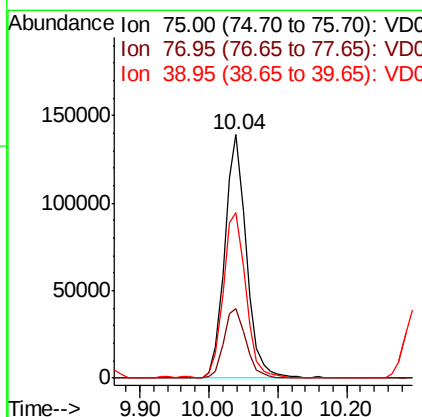
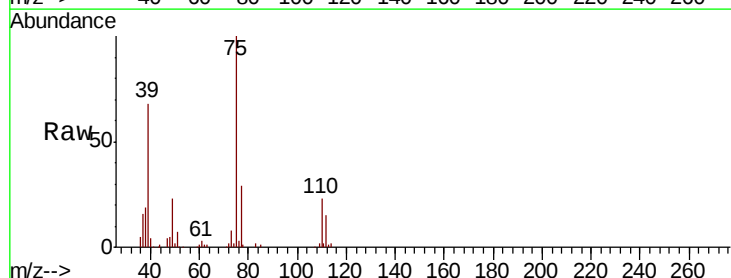
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

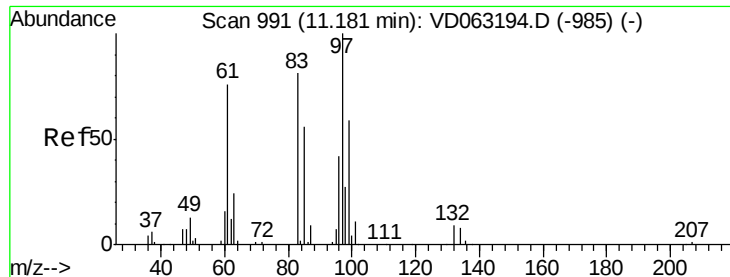
Tgt Ion: 75 Resp: 276753
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.501 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion: 75 Resp: 302027
 Ion Ratio Lower Upper
 75 100
 77 28.7 24.9 37.3
 39 68.1 53.9 80.9

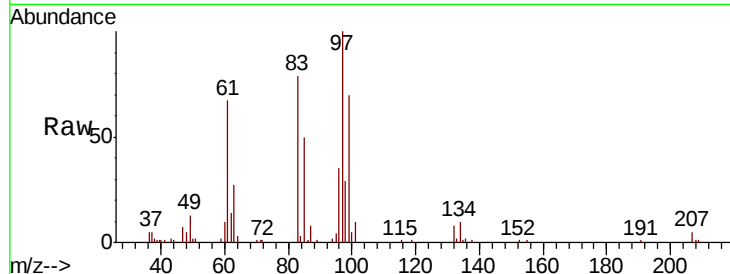




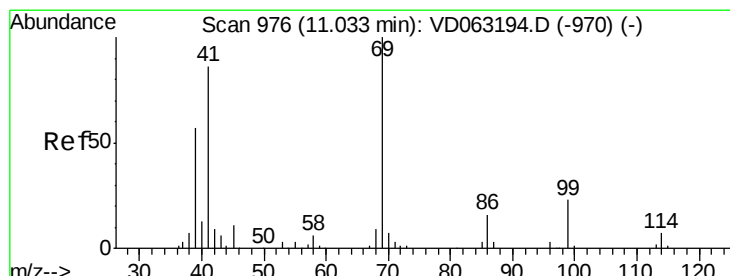
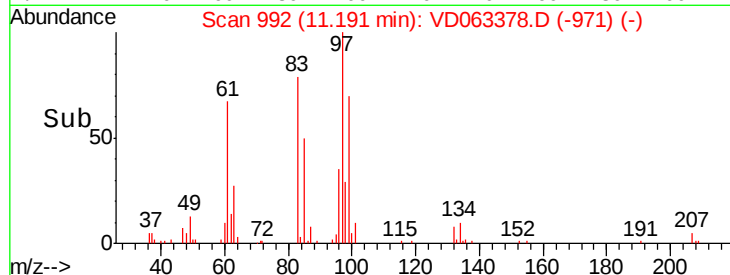
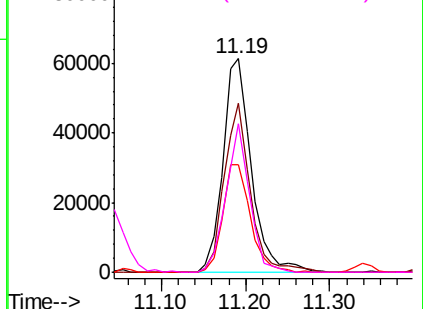
#55
1,1,2-Trichloroethane
Concen: 23.156 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

Tgt Ion:	97	Resp:	143031
Ion	Ratio	Lower	Upper
97	100		
83	79.2	64.8	97.2
85	50.1	44.9	67.3
99	69.6	47.2	70.8

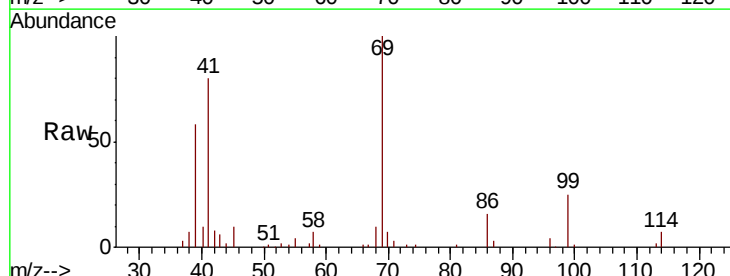


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

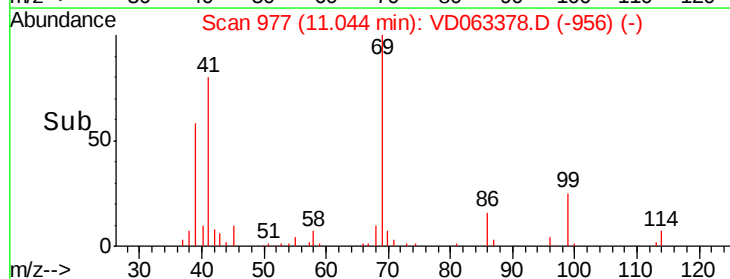
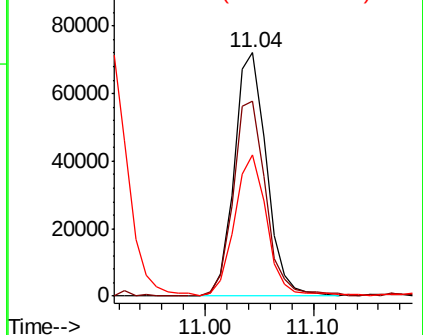


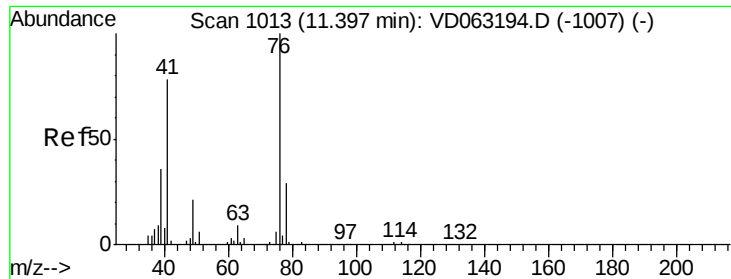
#56
Ethyl methacrylate
Concen: 22.081 ug/l
RT: 11.04 min Scan# 977
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion:	69	Resp:	149350
Ion	Ratio	Lower	Upper
69	100		
41	80.2	68.8	103.2
39	58.0	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: 21.605 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

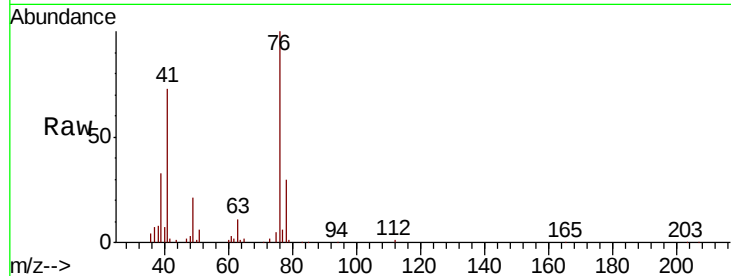
VD0805SBS01

Tgt Ion: 76 Resp: 210263

Ion Ratio Lower Upper

76 100

78 30.0 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

120000

100000

80000

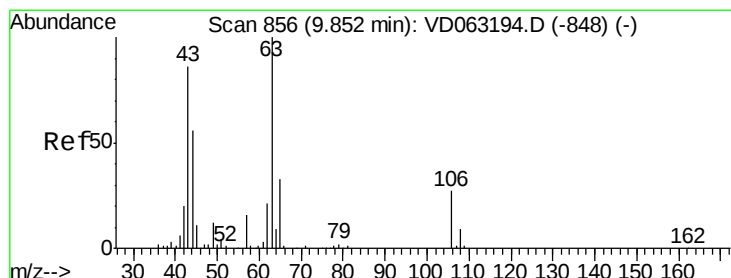
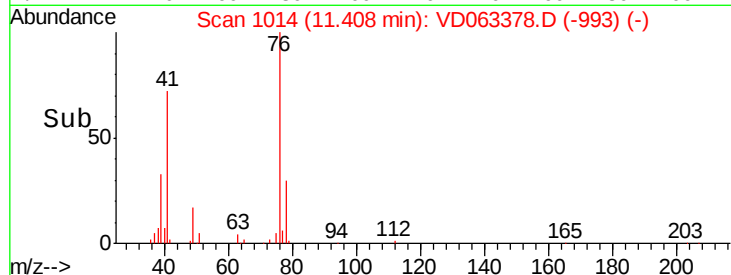
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.153 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063378.D

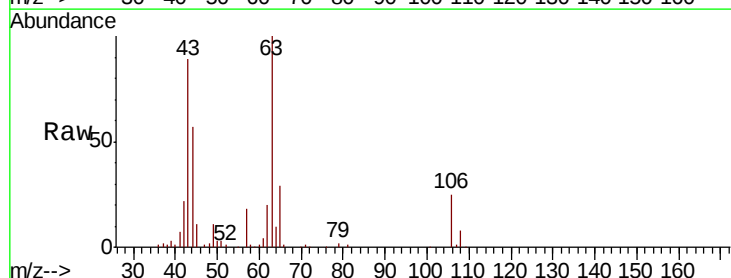
Acq: 5 Aug 2019 14:06

Tgt Ion: 63 Resp: 359523

Ion Ratio Lower Upper

63 100

106 24.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.85

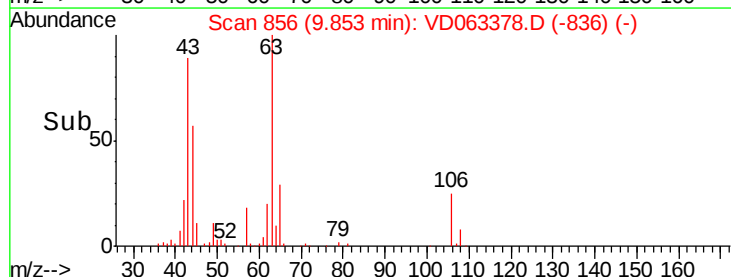
150000

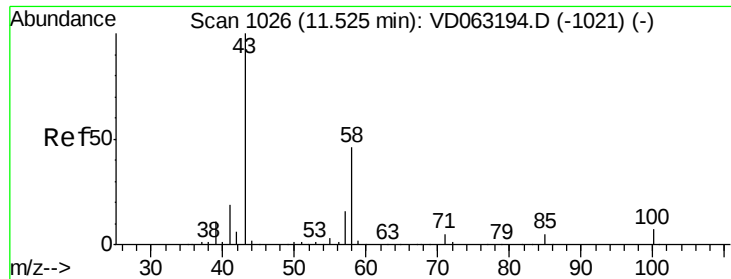
100000

50000

0

Time-->

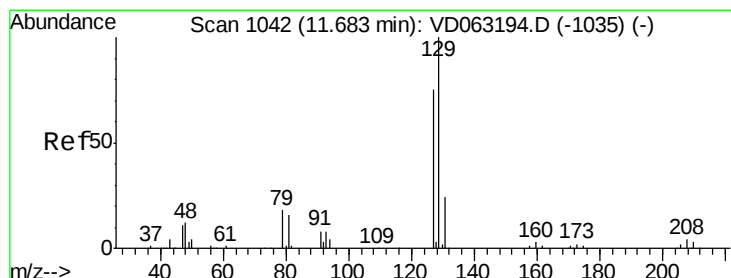
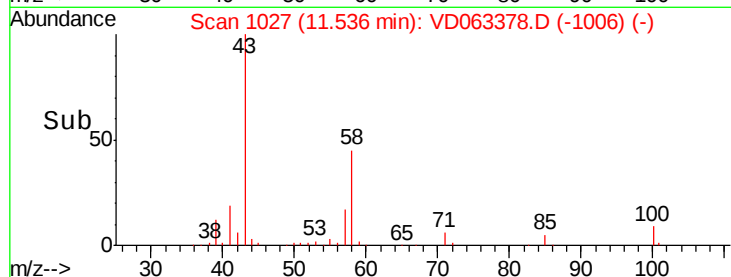
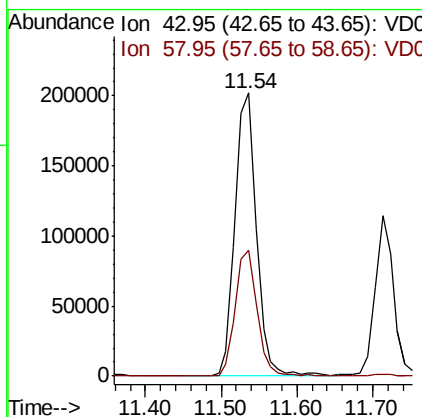
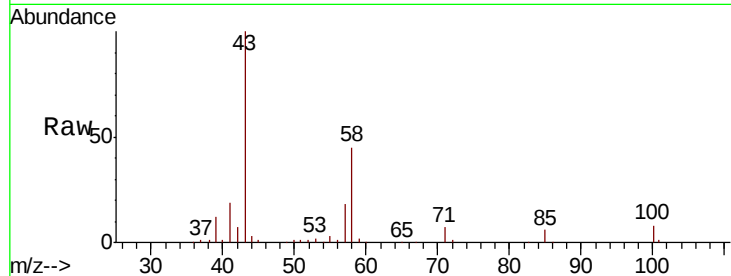




#59
2-Hexanone
Concen: 107.275 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

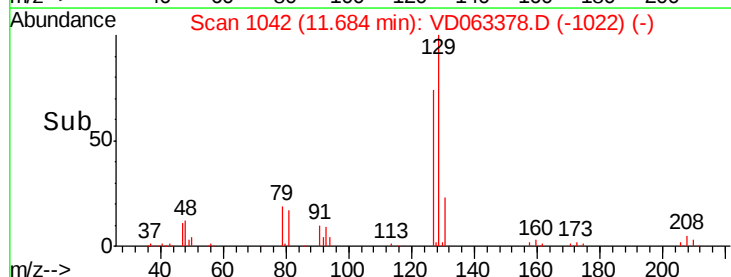
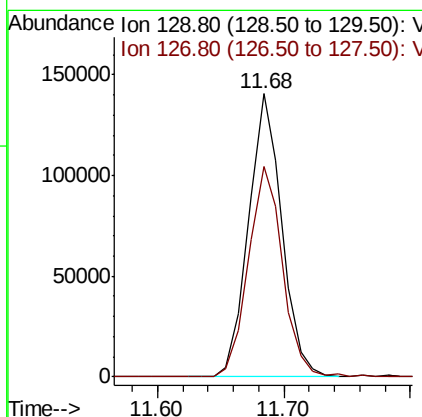
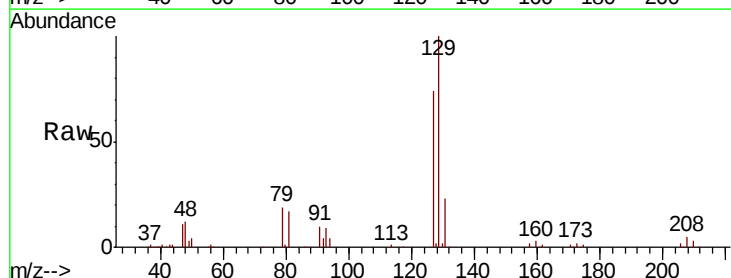
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

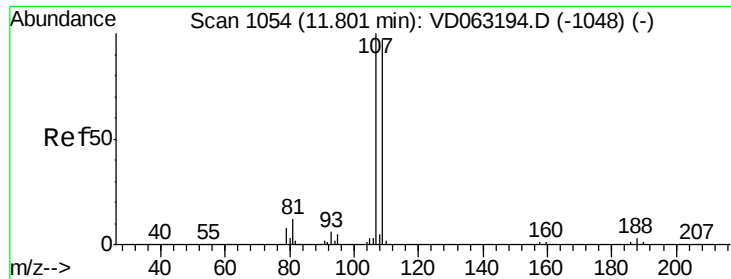
Tgt Ion: 43 Resp: 395868
Ion Ratio Lower Upper
43 100
58 44.6 22.9 68.5



#60
Dibromochloromethane
Concen: 22.112 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 129 Resp: 257845
Ion Ratio Lower Upper
129 100
127 74.2 37.6 112.8

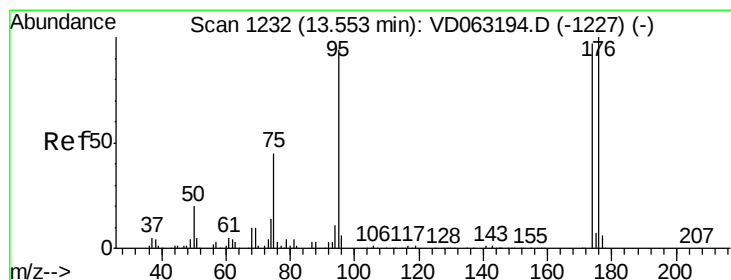
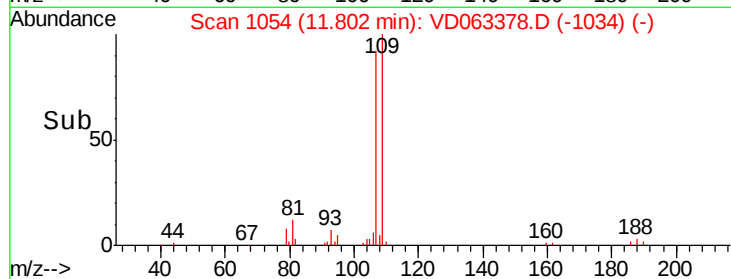
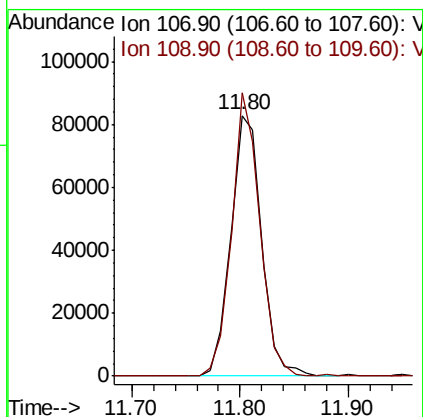
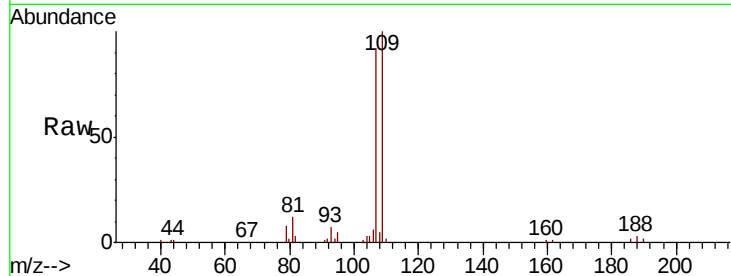




#61
1,2-Dibromoethane
Concen: 21.416 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

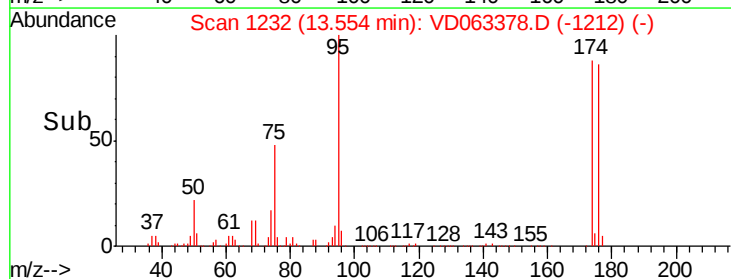
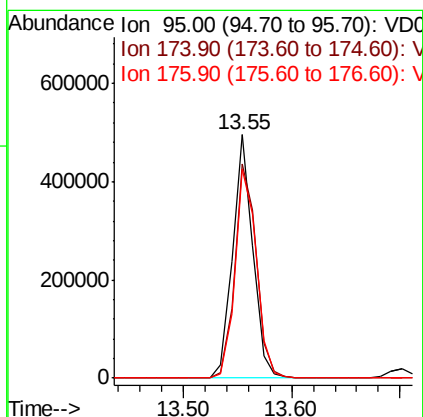
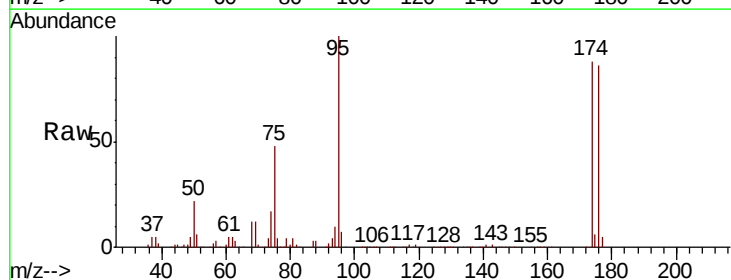
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

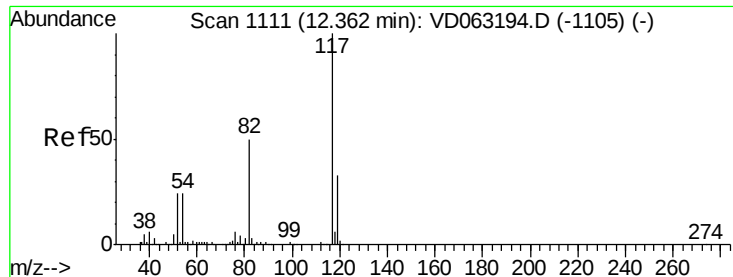
Tgt Ion: 107 Resp: 163230
Ion Ratio Lower Upper
107 100
109 108.5 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 51.498 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 95 Resp: 644657
Ion Ratio Lower Upper
95 100
174 87.9 0.0 205.4
176 85.6 0.0 211.8

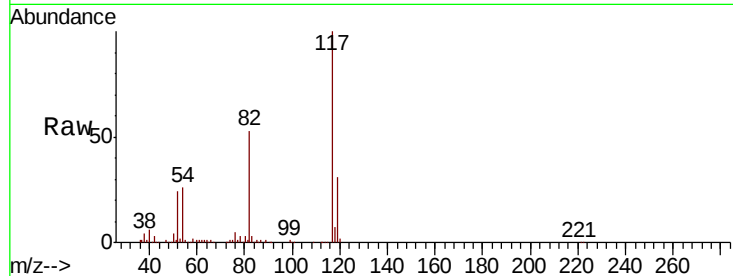




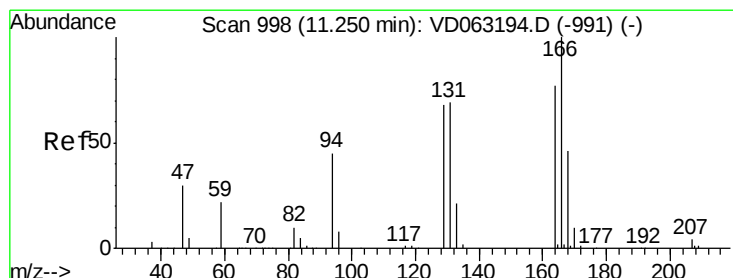
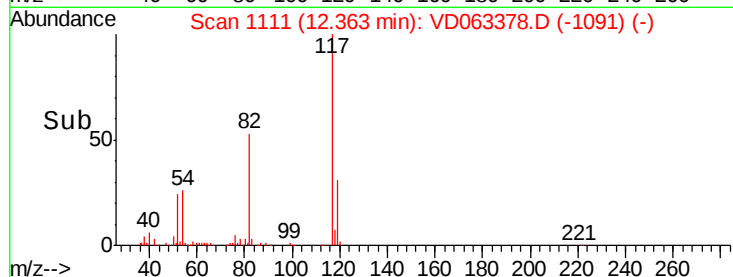
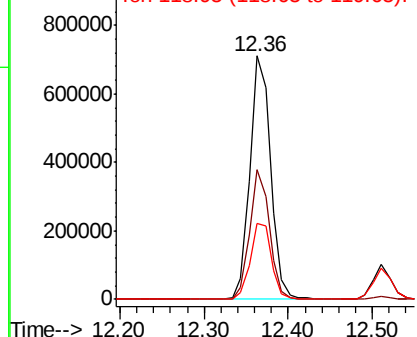
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

Tgt Ion:117 Resp: 1231516
Ion Ratio Lower Upper
117 100
82 53.2 40.1 60.1
119 30.9 26.5 39.7

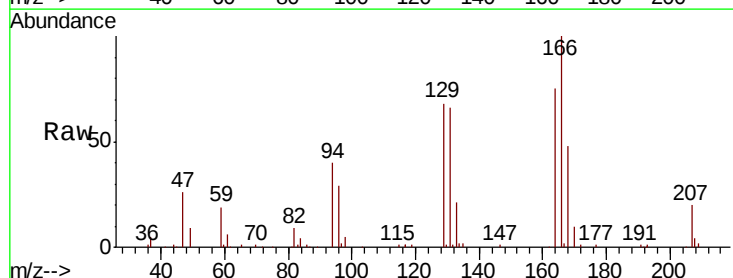


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

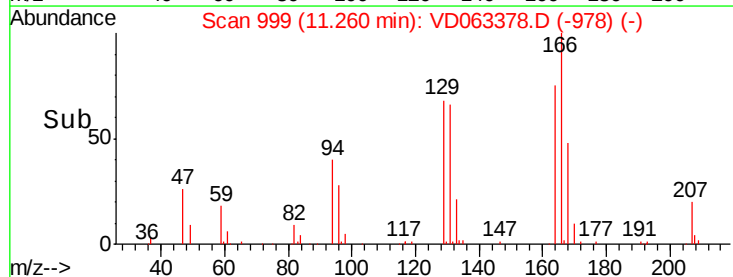
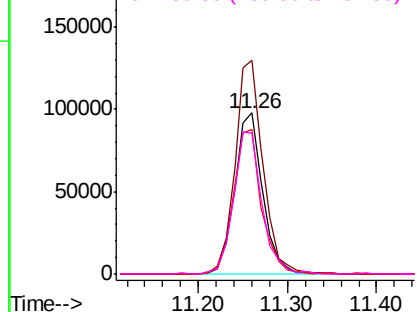


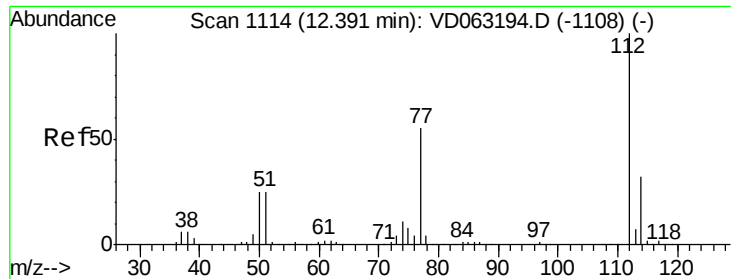
#64
Tetrachloroethene
Concen: 21.767 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion:164 Resp: 213557
Ion Ratio Lower Upper
164 100
166 132.5 104.3 156.5
129 89.6 70.9 106.3
131 87.7 71.6 107.4



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

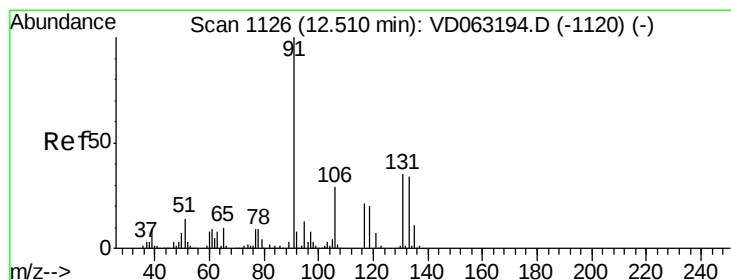
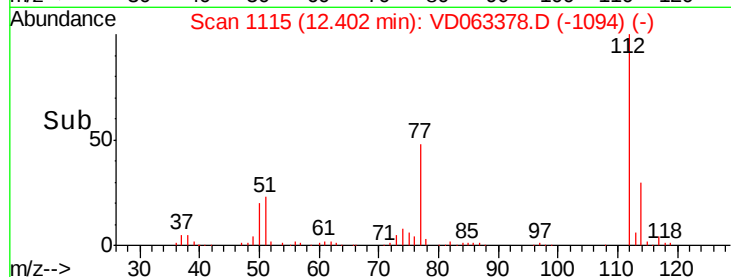
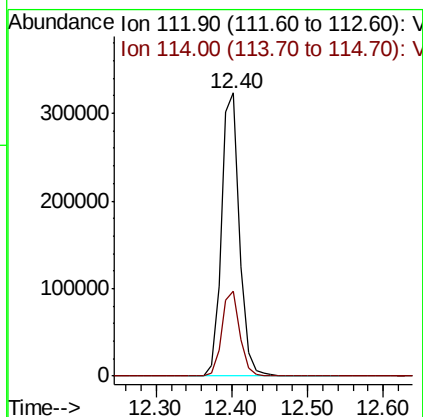
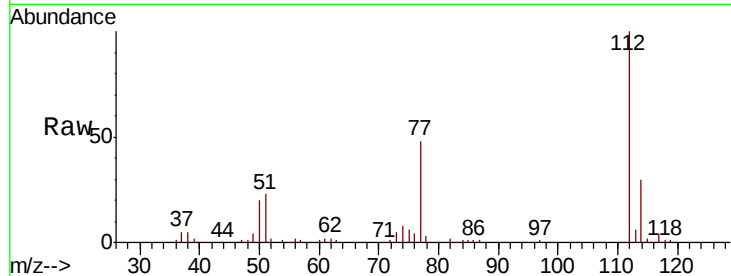




#65
Chlorobenzene
Concen: 22.685 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

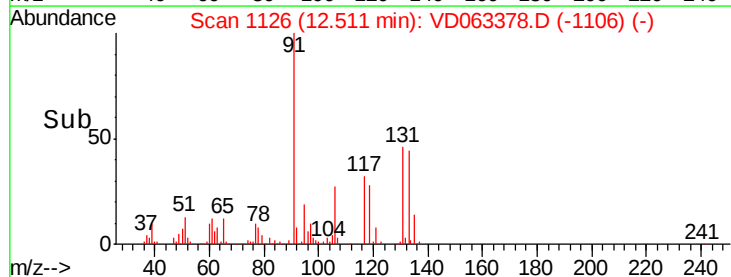
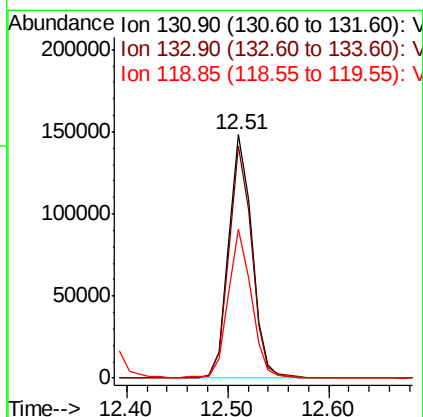
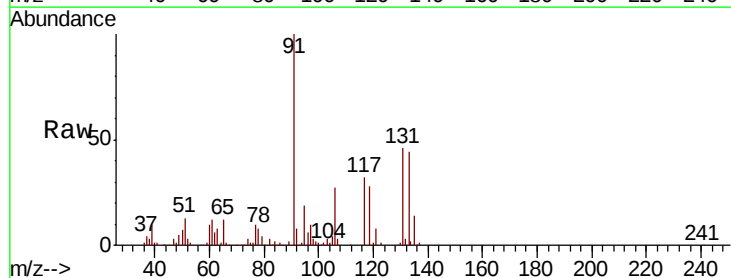
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

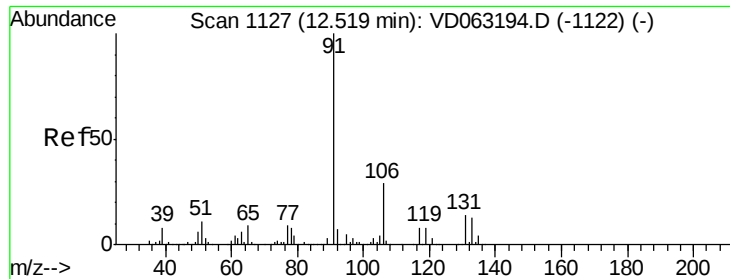
Tgt Ion:112 Resp: 537352
Ion Ratio Lower Upper
112 100
114 30.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.677 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion:131 Resp: 236620
Ion Ratio Lower Upper
131 100
133 95.2 48.4 145.2
119 60.9 29.1 87.3

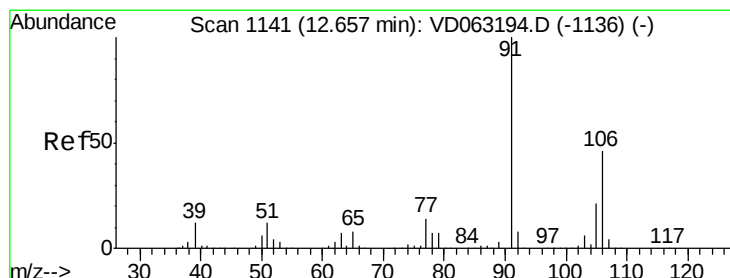
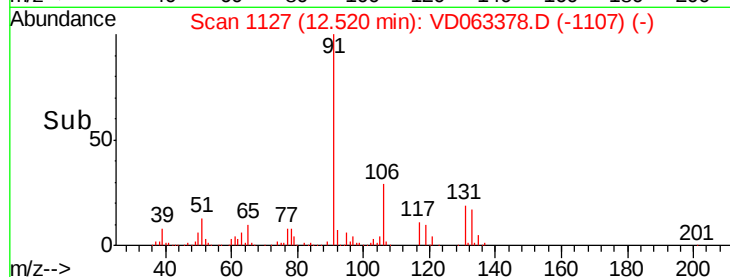
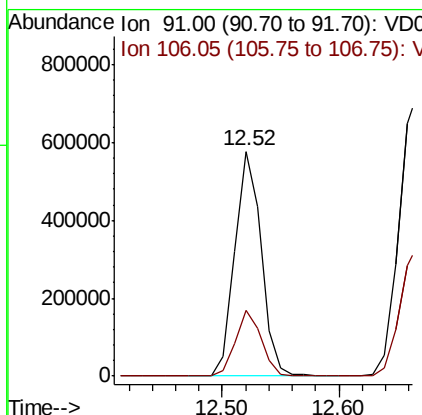
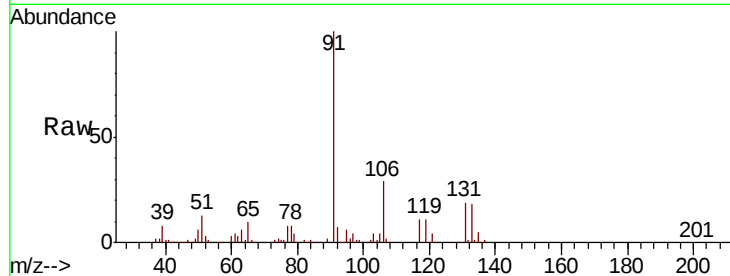




#67
Ethyl Benzene
Concen: 22.611 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

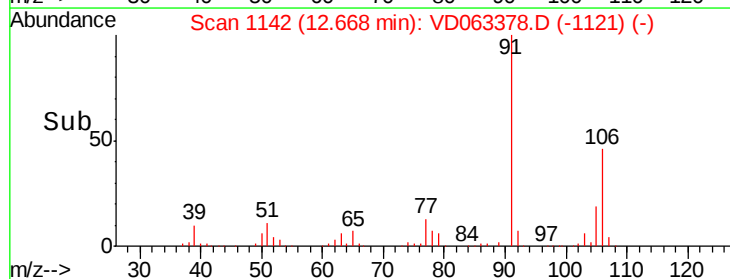
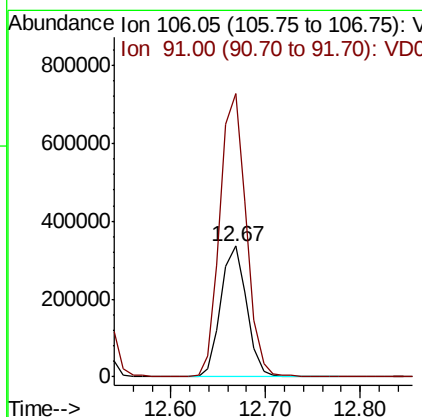
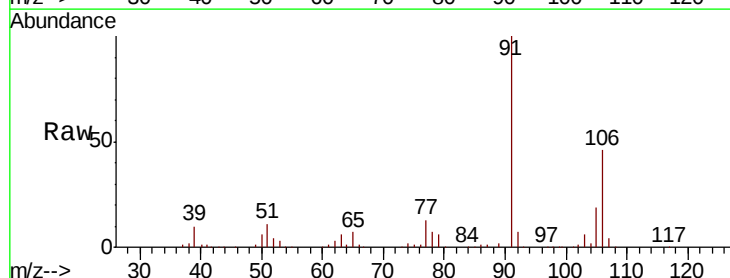
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

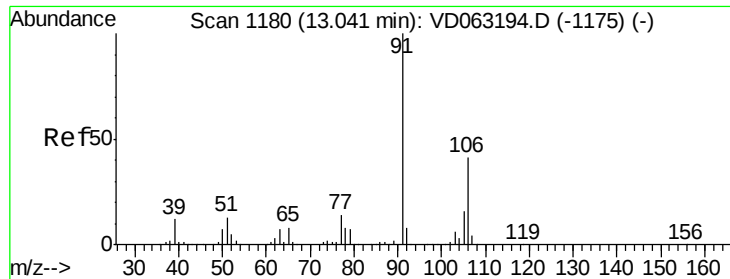
Tgt Ion: 91 Resp: 909871
Ion Ratio Lower Upper
91 100
106 29.3 22.9 34.3



#68
m/p-Xylenes
Concen: 43.003 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion: 106 Resp: 634606
Ion Ratio Lower Upper
106 100
91 216.9 172.6 259.0

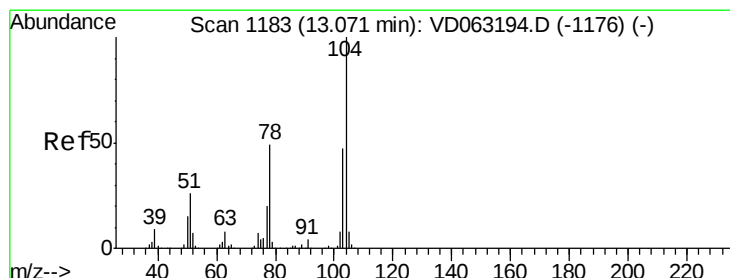
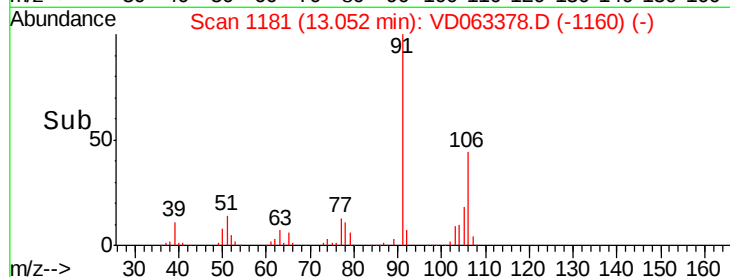
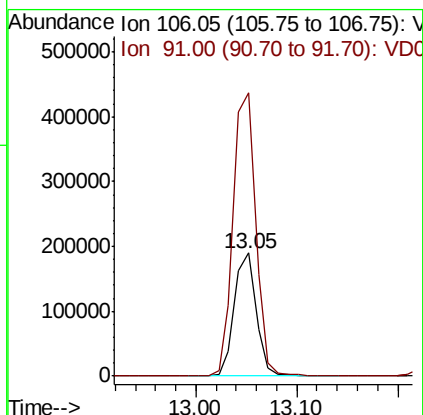
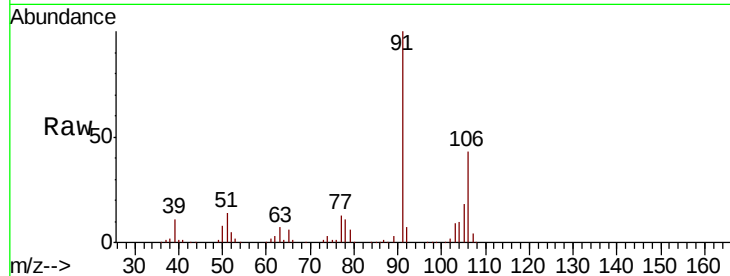




#69
o-Xylene
Concen: 21.221 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

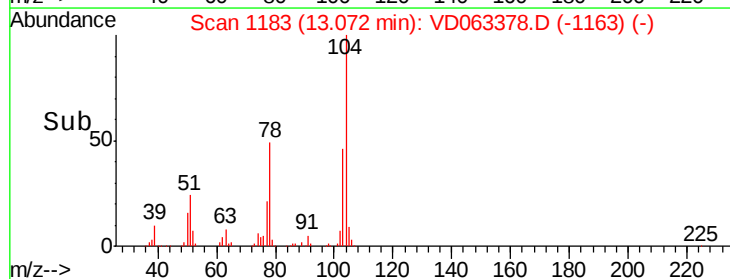
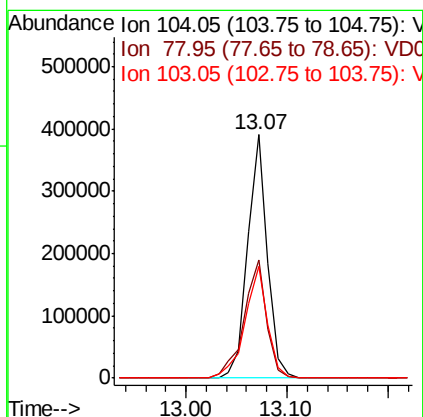
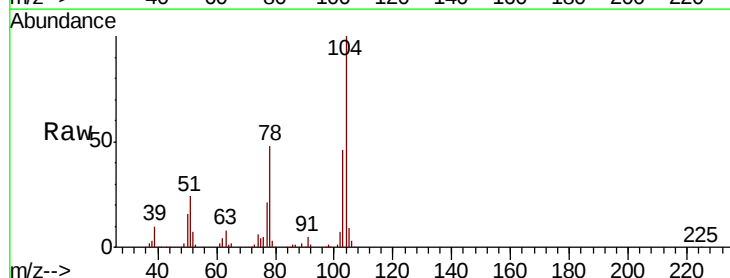
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

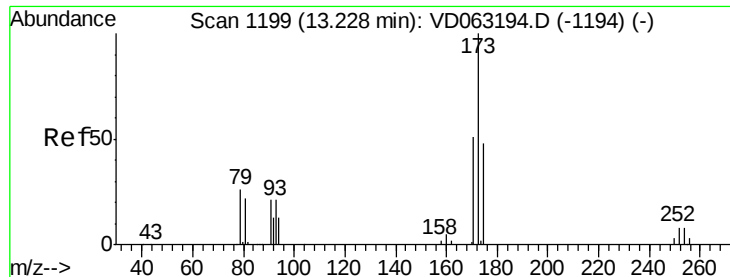
Tgt Ion:106 Resp: 287581
Ion Ratio Lower Upper
106 100
91 230.2 121.3 363.9



#70
Styrene
Concen: 22.272 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion:104 Resp: 535254
Ion Ratio Lower Upper
104 100
78 48.5 39.4 59.0
103 45.9 37.4 56.2

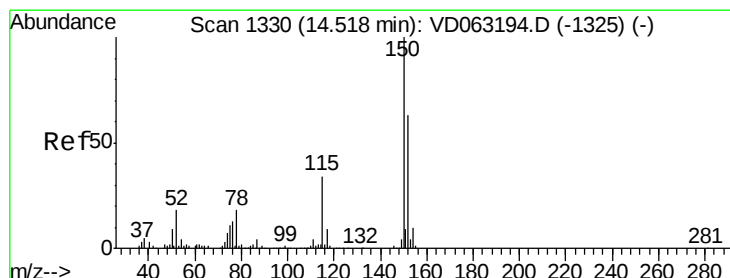
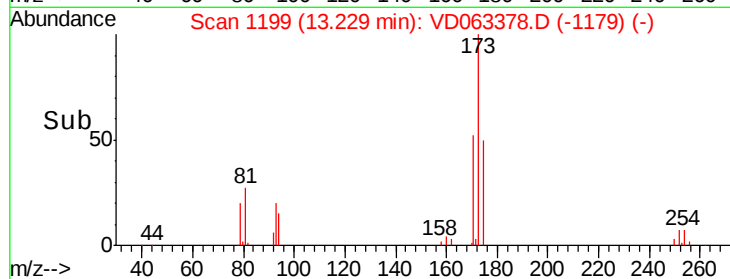
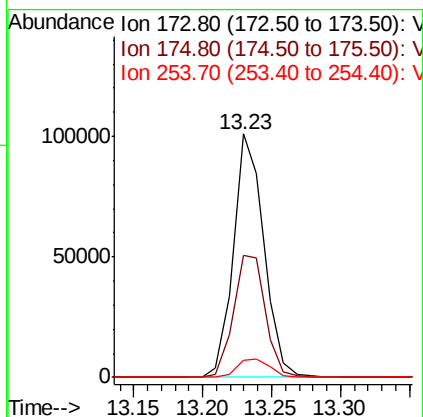
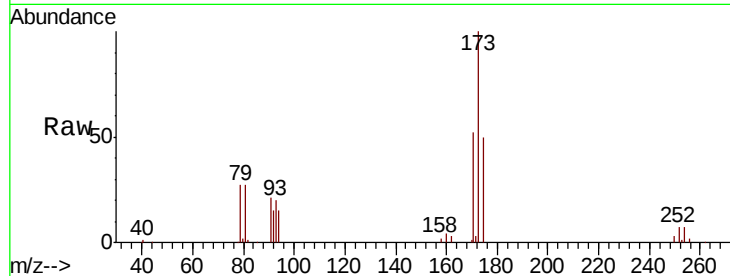




#71
 Bromoform
 Concen: 20.459 ug/l
 RT: 13.23 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

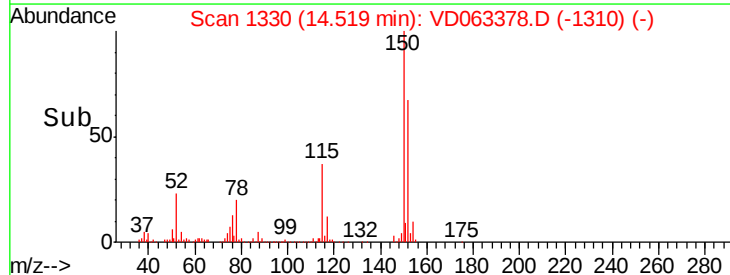
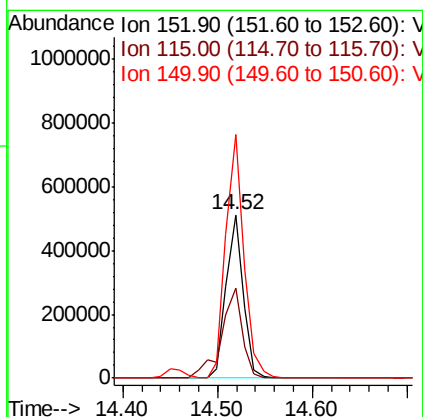
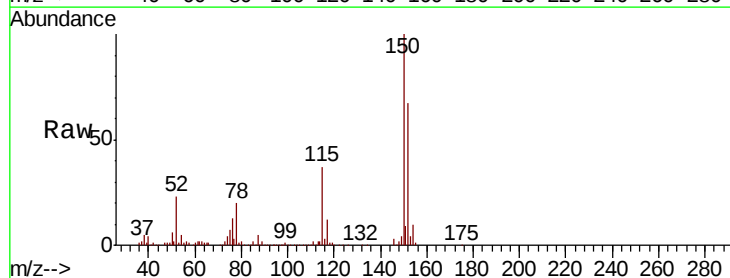
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

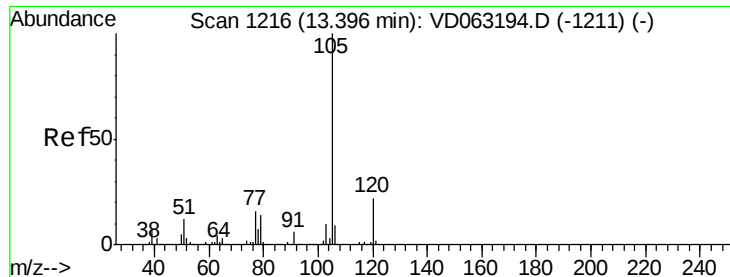
Tgt Ion:173 Resp: 155242
 Ion Ratio Lower Upper
 173 100
 175 49.9 23.8 71.5
 254 7.2 6.6 10.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion:152 Resp: 642703
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.5 82.4
 150 149.3 0.0 320.6





#73

Isopropylbenzene

Concen: 21.188 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

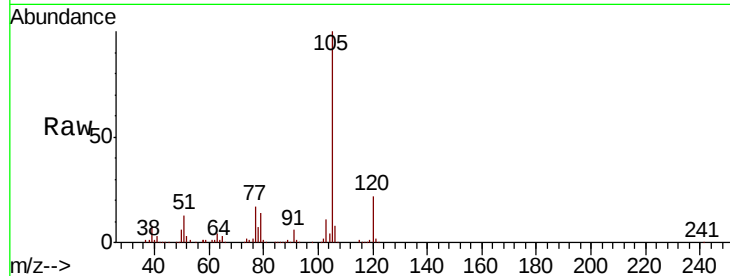
VD0805SBSD01

Tgt Ion:105 Resp: 854693

Ion Ratio Lower Upper

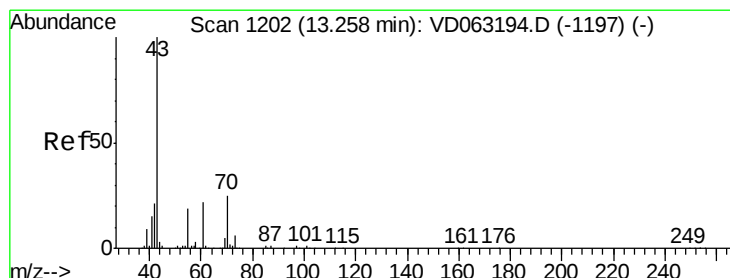
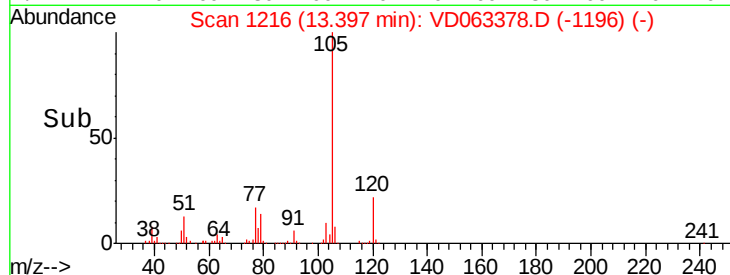
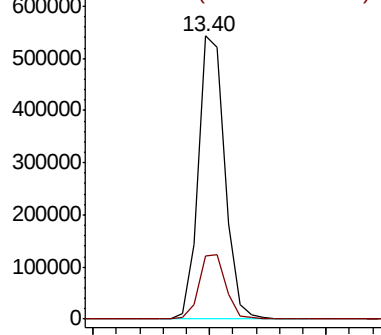
105 100

120 22.2 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.669 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Tgt Ion: 43 Resp: 231077

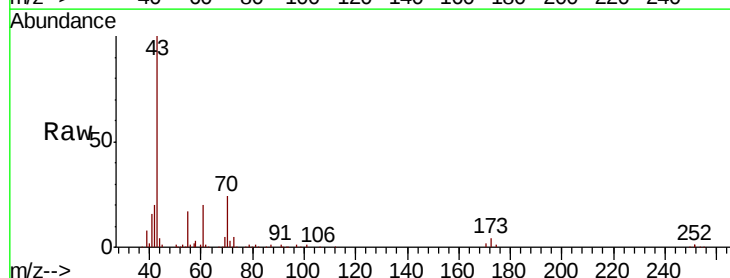
Ion Ratio Lower Upper

43 100

70 23.8 20.2 30.4

55 17.1 14.9 22.3

61 19.8 17.9 26.9

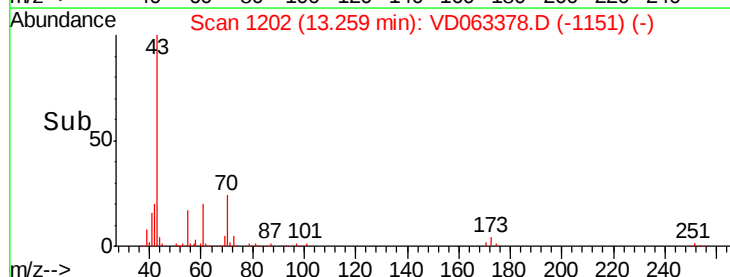
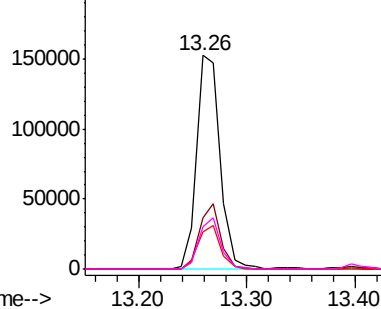


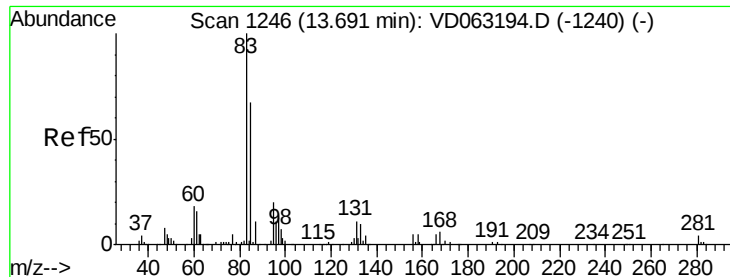
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.519 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

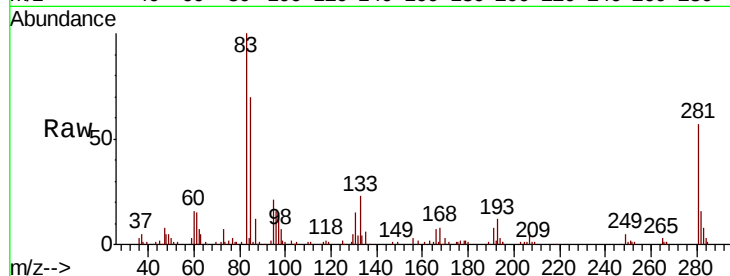
Tgt Ion: 83 Resp: 140598

Ion Ratio Lower Upper

83 100

131 14.7 5.5 16.7

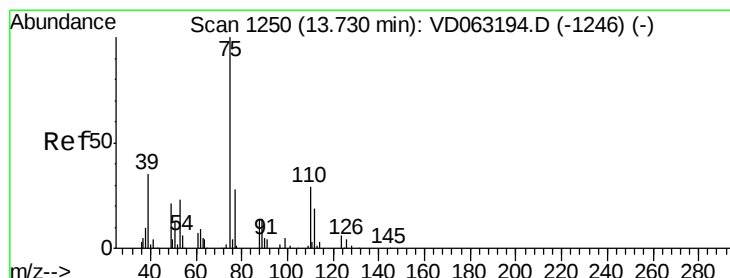
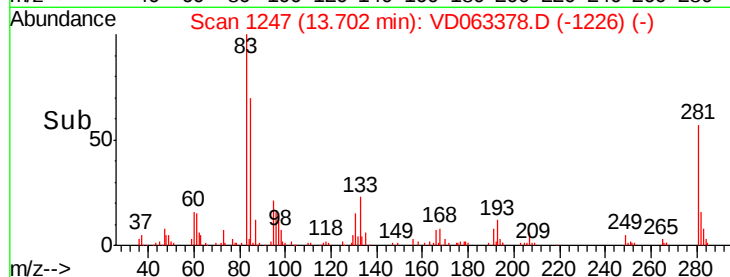
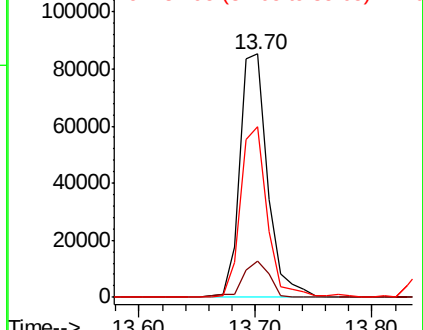
85 70.2 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.710 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063378.D

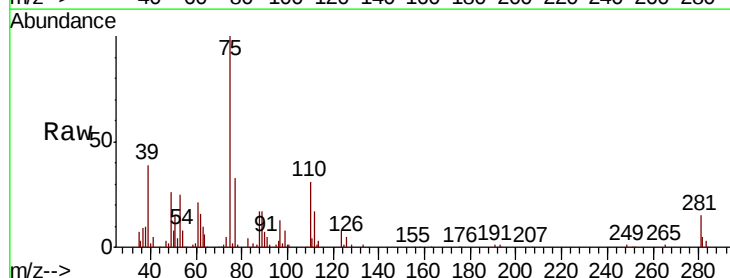
Acq: 5 Aug 2019 14:06

Tgt Ion: 75 Resp: 167595

Ion Ratio Lower Upper

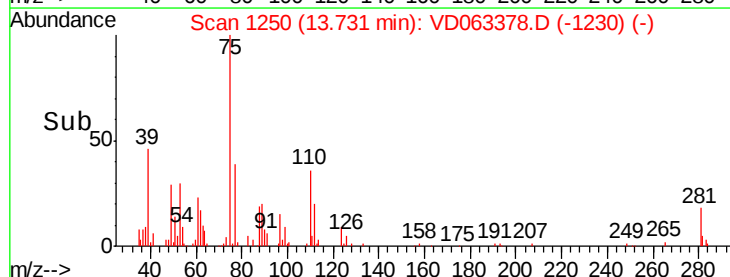
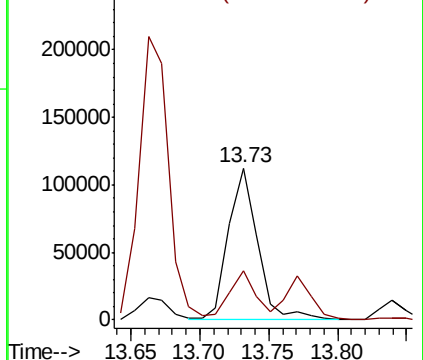
75 100

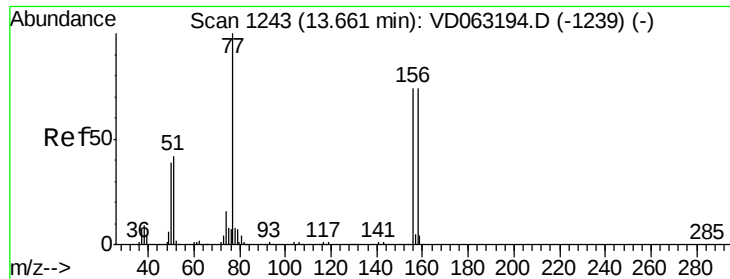
77 32.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.705 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

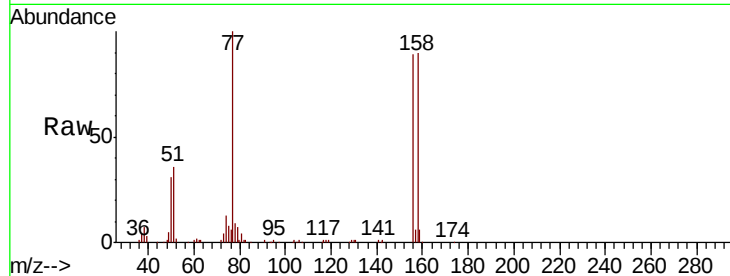
Tgt Ion:156 Resp: 237928

Ion Ratio Lower Upper

156 100

77 112.6 67.6 202.8

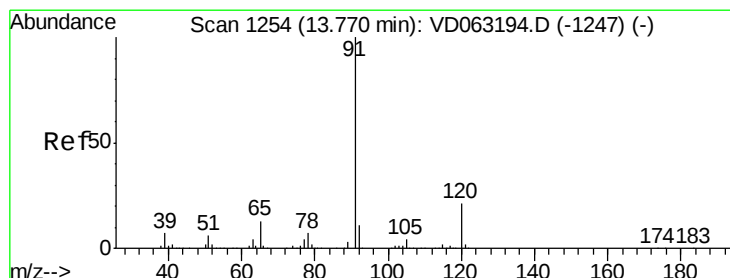
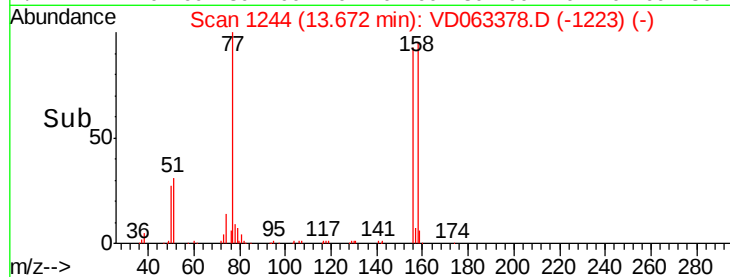
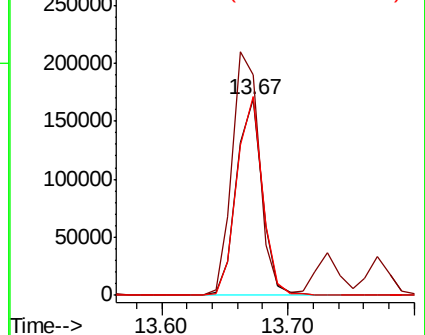
158 101.5 49.8 149.4



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: 22.435 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063378.D

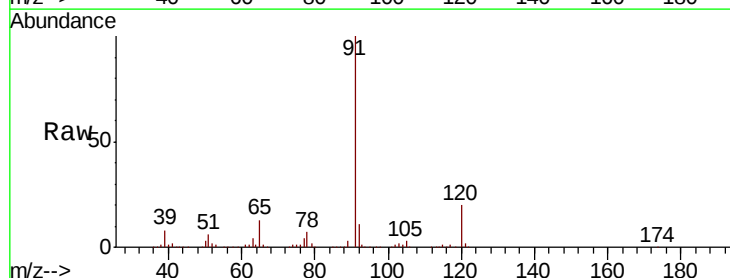
Acq: 5 Aug 2019 14:06

Tgt Ion: 91 Resp: 1076943

Ion Ratio Lower Upper

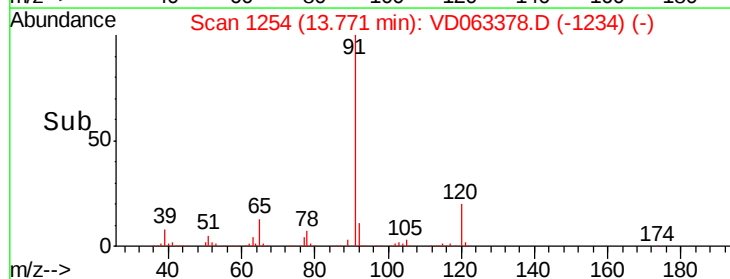
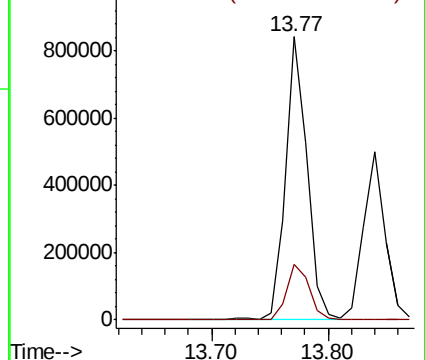
91 100

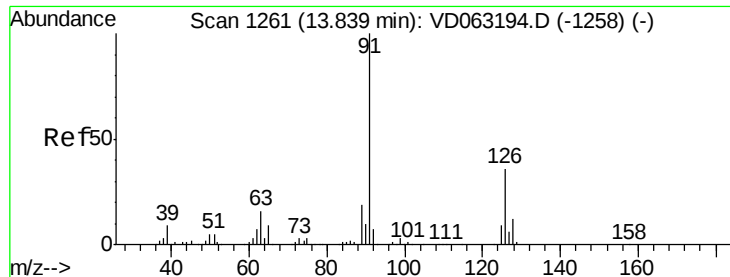
120 19.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.116 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

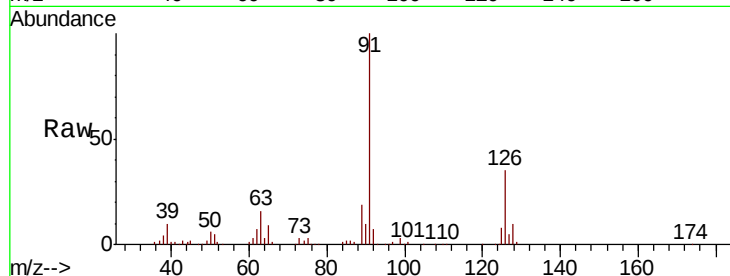
VD0805SBSD01

Tgt Ion: 91 Resp: 642950

Ion Ratio Lower Upper

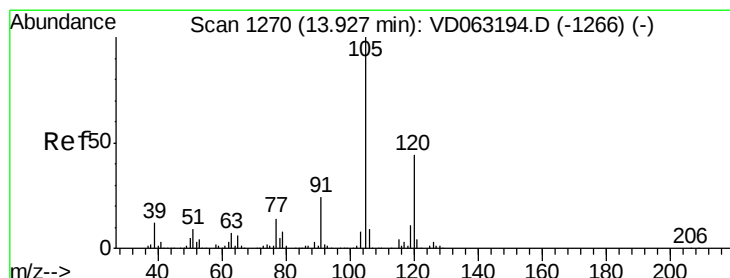
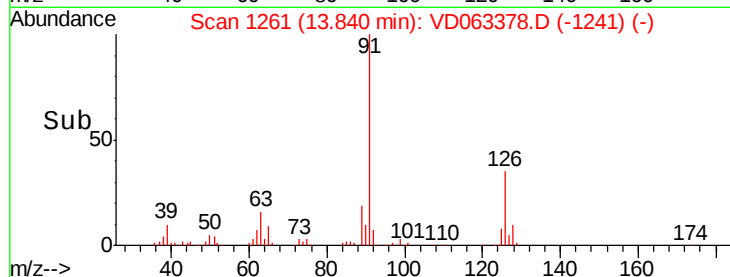
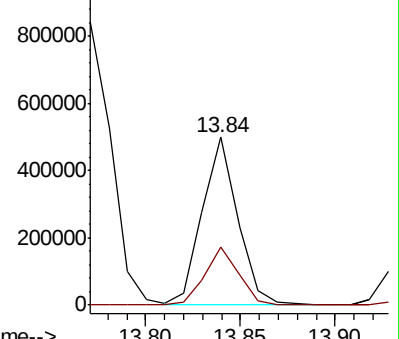
91 100

126 34.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.340 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063378.D

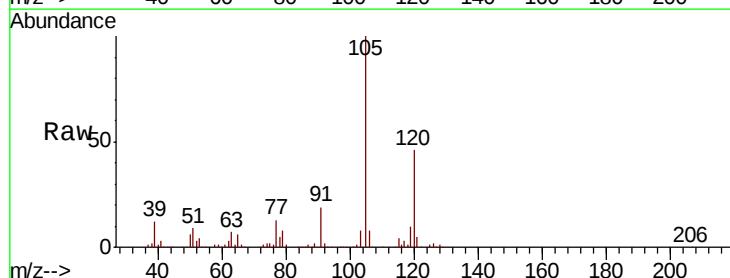
Acq: 5 Aug 2019 14:06

Tgt Ion: 105 Resp: 742430

Ion Ratio Lower Upper

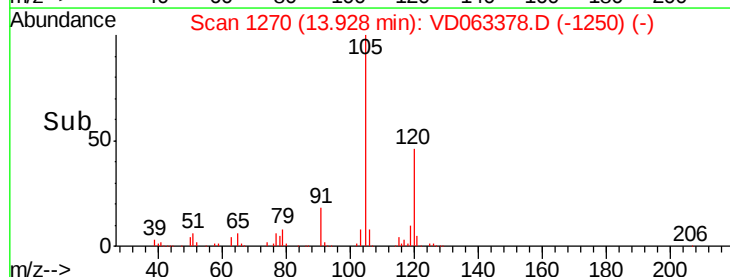
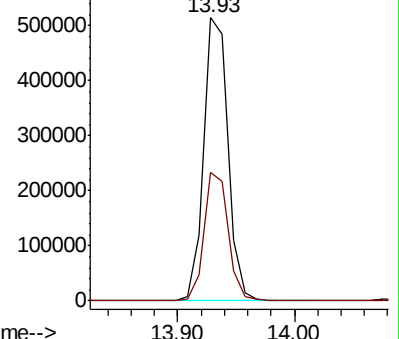
105 100

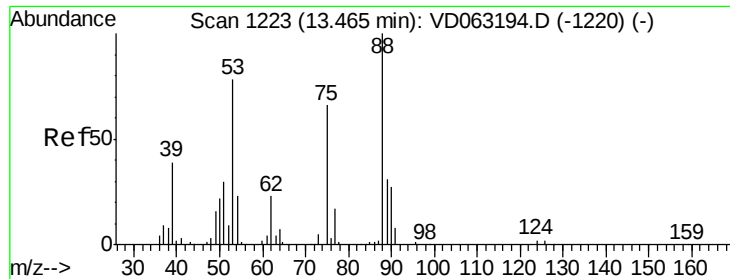
120 45.6 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.703 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBSD01

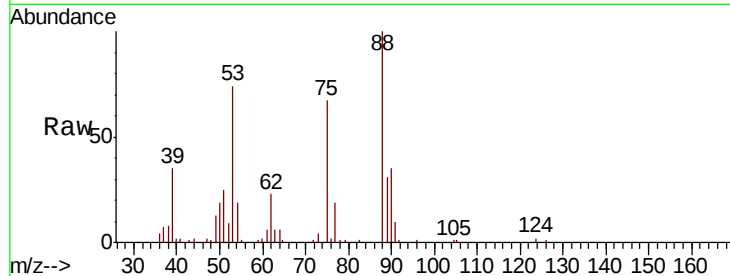
Tgt Ion: 75 Resp: 44379

Ion Ratio Lower Upper

75 100

53 110.6 94.9 142.3

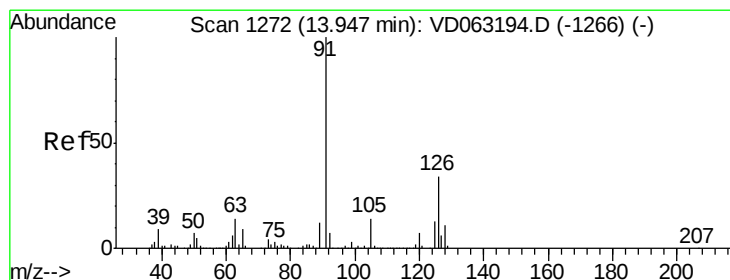
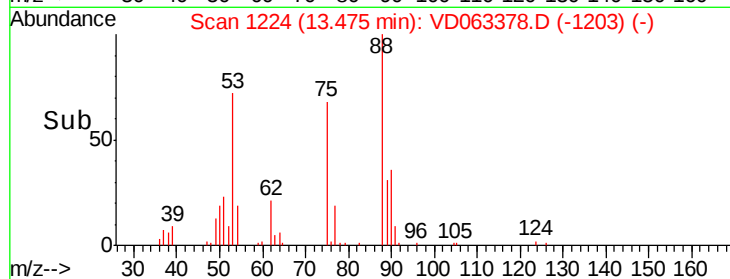
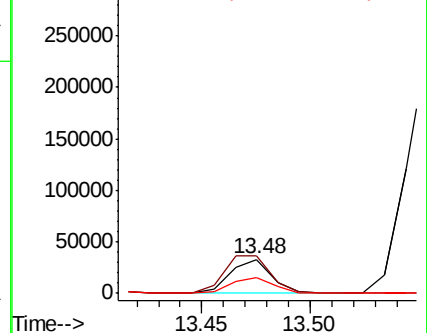
89 46.4 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.303 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063378.D

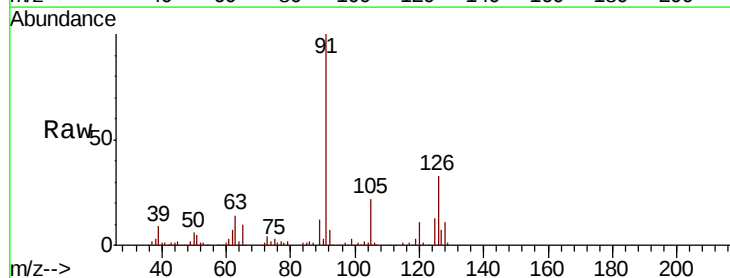
Acq: 5 Aug 2019 14:06

Tgt Ion: 91 Resp: 730078

Ion Ratio Lower Upper

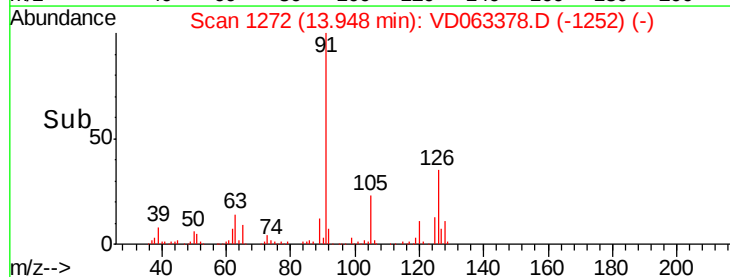
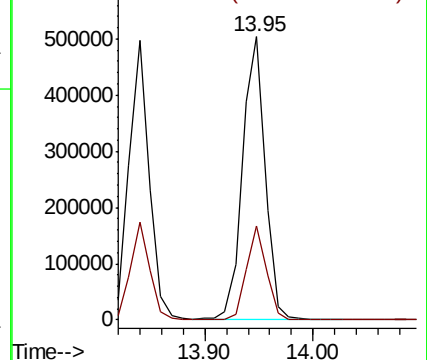
91 100

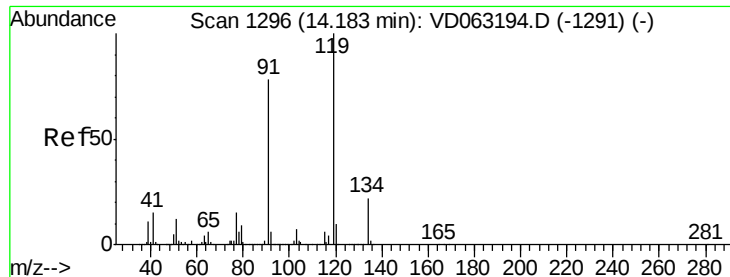
126 33.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

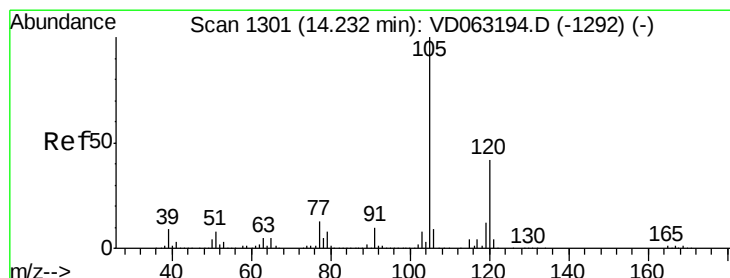
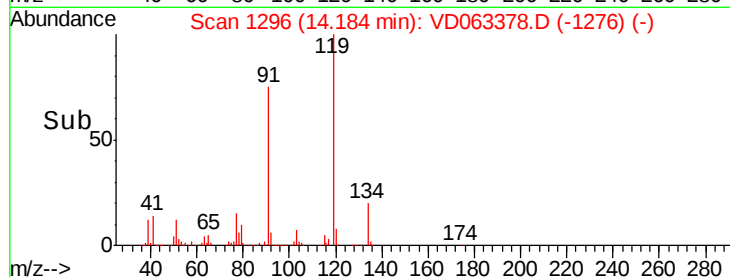
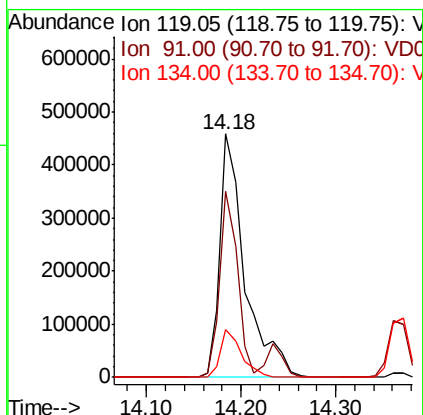
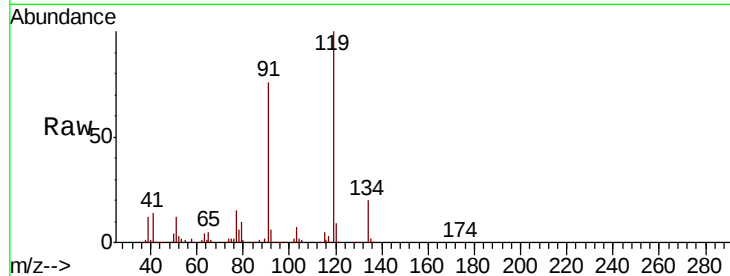




#83
 tert-Butylbenzene
 Concen: 21.250 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

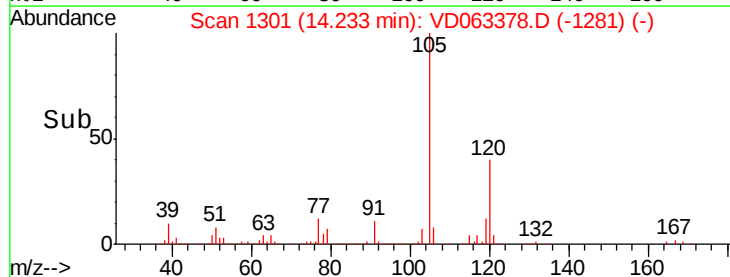
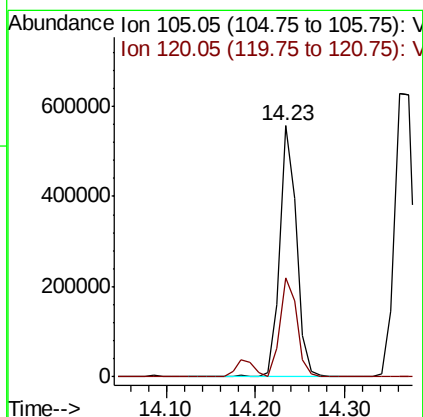
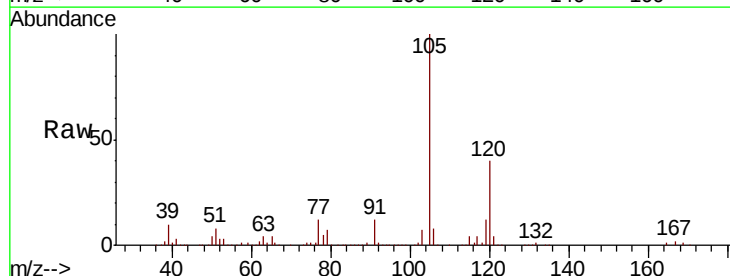
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

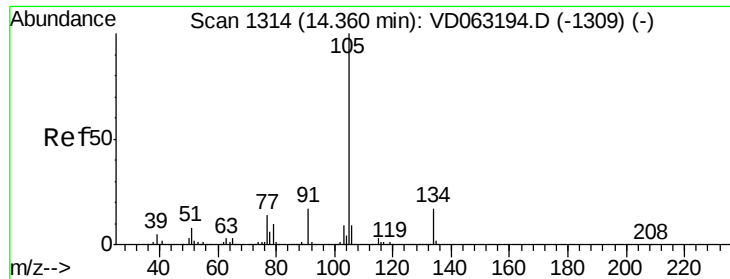
Tgt Ion:119 Resp: 844142
 Ion Ratio Lower Upper
 119 100
 91 76.2 39.1 117.5
 134 19.8 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.384 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion:105 Resp: 733526
 Ion Ratio Lower Upper
 105 100
 120 39.7 20.9 62.7

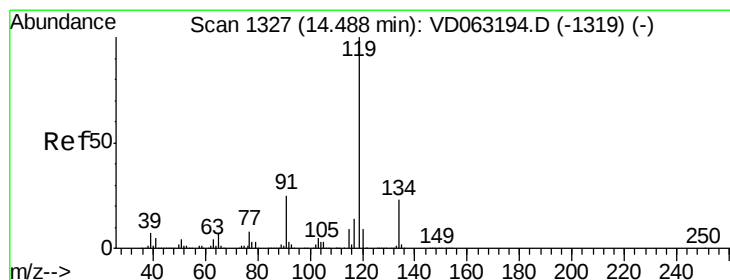
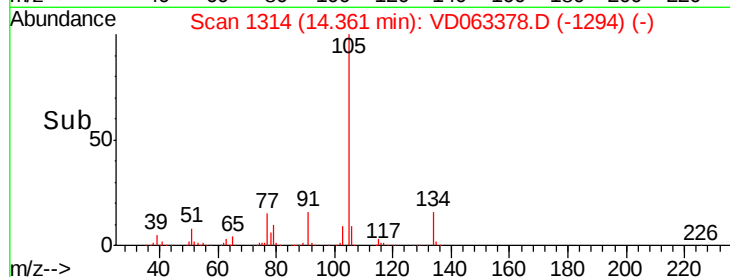
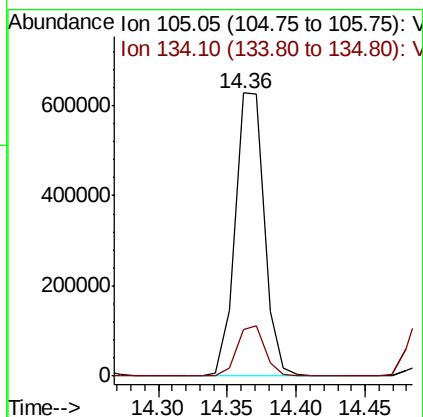
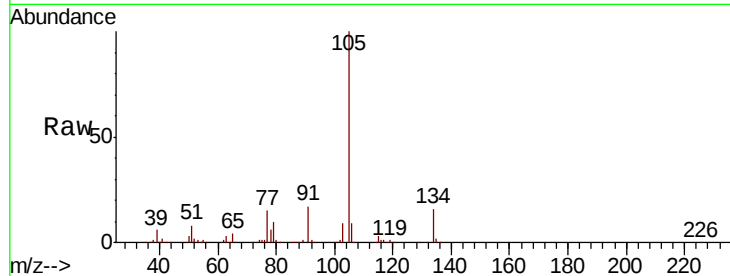




#85
 sec-Butylbenzene
 Concen: 22.296 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

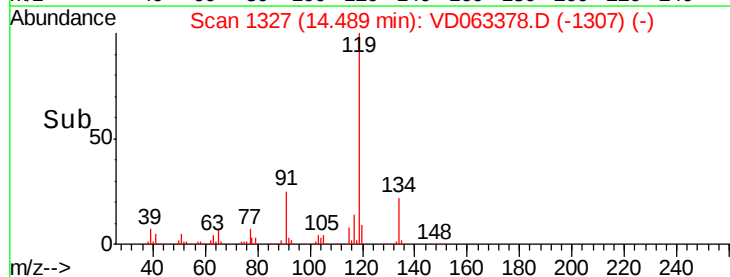
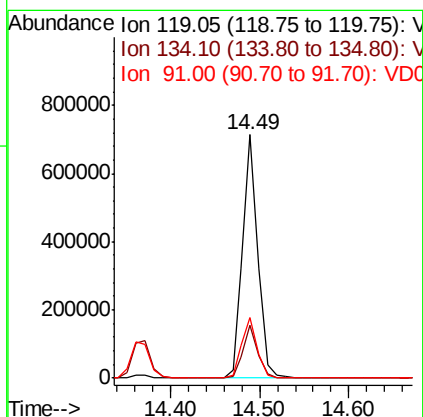
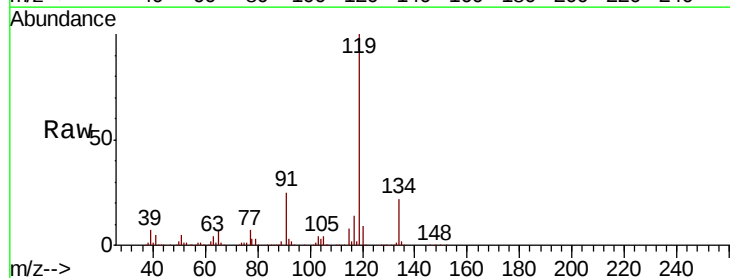
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

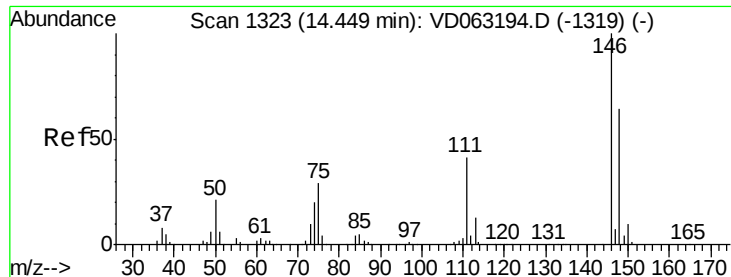
Tgt Ion:105 Resp: 933175
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 21.196 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion:119 Resp: 846731
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.5 34.5
 91 24.8 12.6 37.6

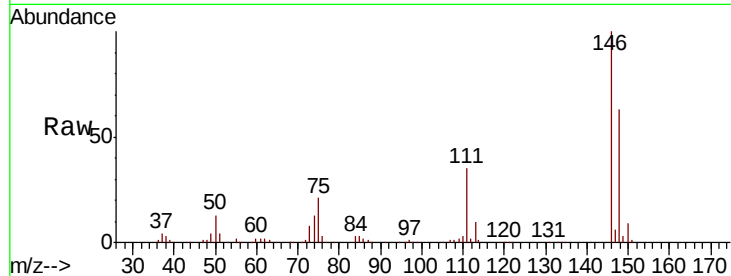




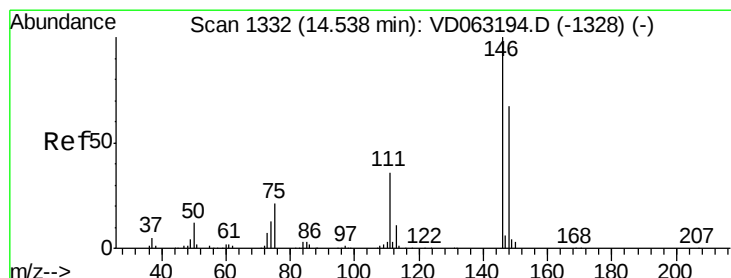
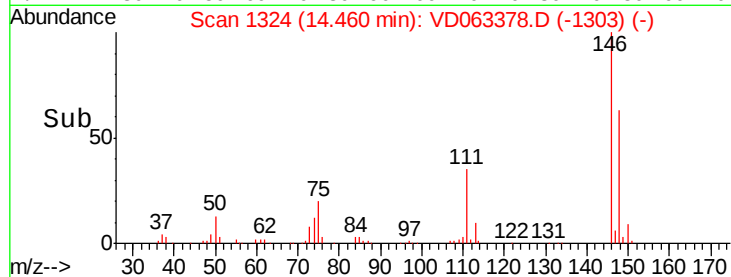
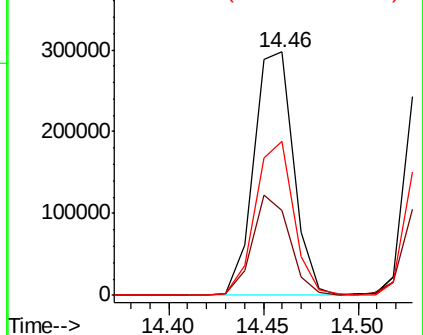
#87
 1,3-Dichlorobenzene
 Concen: 21.409 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

Tgt Ion:146 Resp: 435678
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.4 61.3
 148 63.4 31.8 95.4

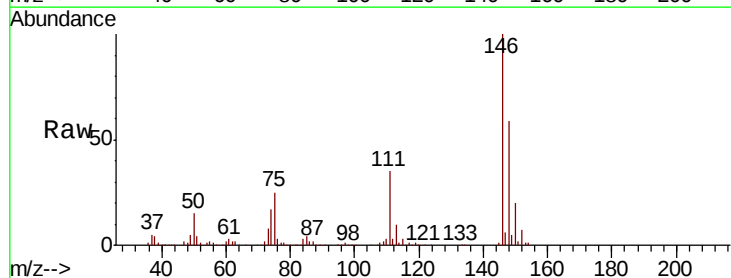


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

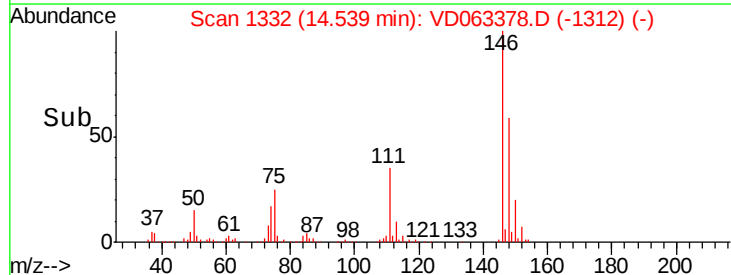
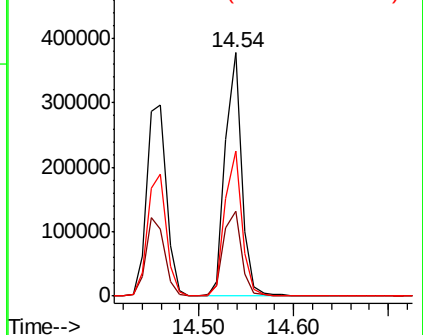


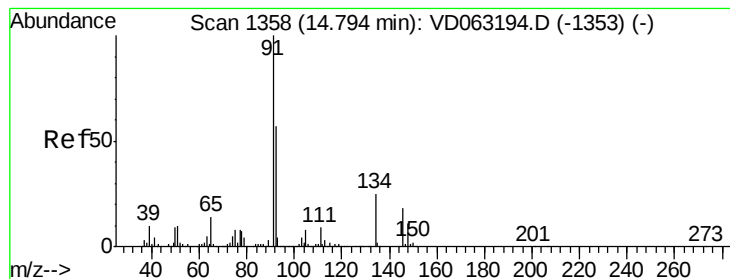
#88
 1,4-Dichlorobenzene
 Concen: 22.065 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion:146 Resp: 454052
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.1 54.3
 148 59.3 33.4 100.1



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





#89

n-Butylbenzene

Concen: 22.619 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063378.D

Acq: 5 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

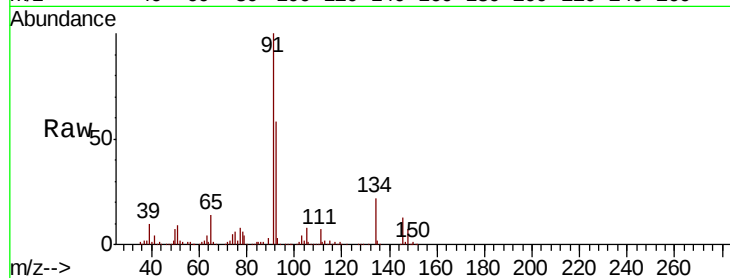
Tgt Ion: 91 Resp: 780392

Ion Ratio Lower Upper

91 100

92 57.8 28.3 85.0

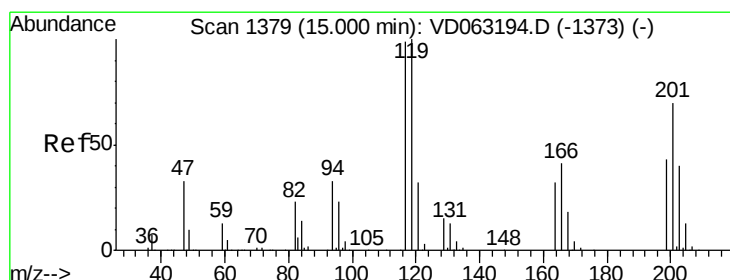
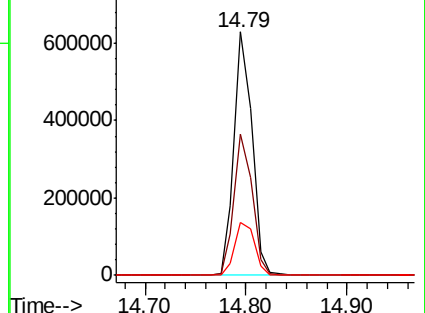
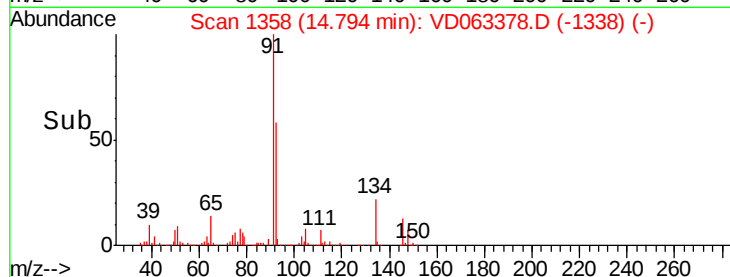
134 21.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.756 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063378.D

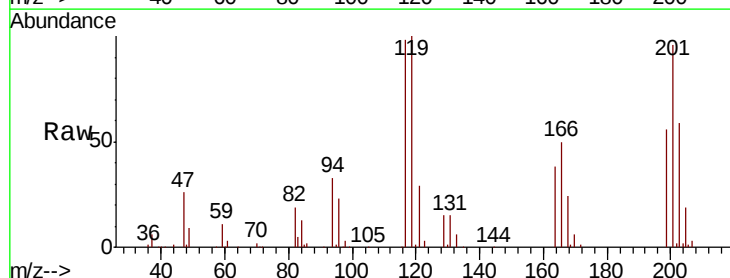
Acq: 5 Aug 2019 14:06

Tgt Ion: 117 Resp: 216017

Ion Ratio Lower Upper

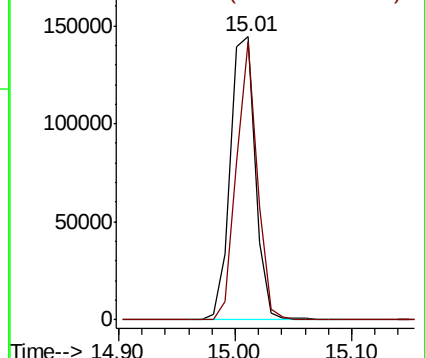
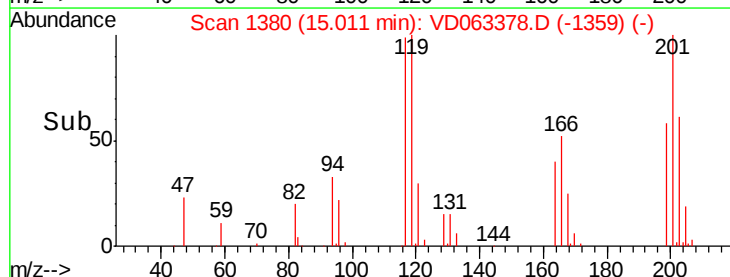
117 100

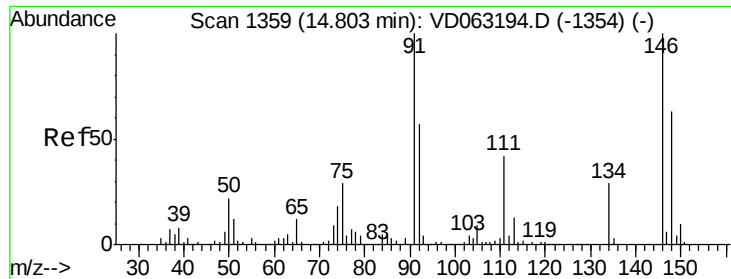
201 98.5 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

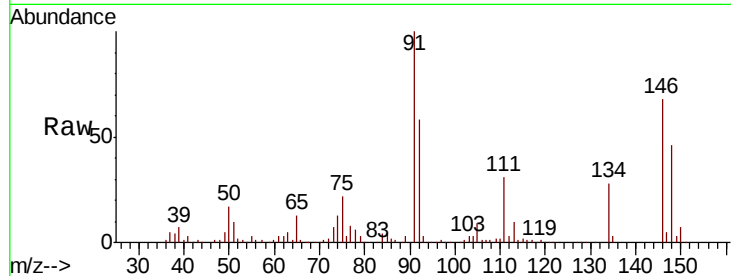




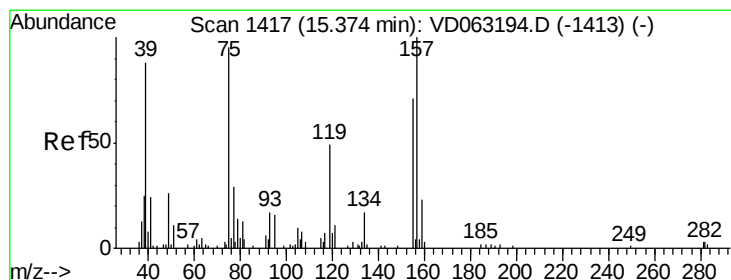
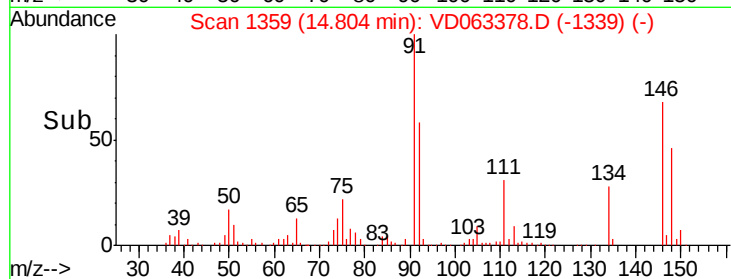
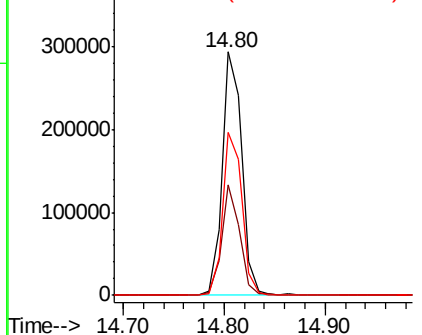
#91
 1,2-Dichlorobenzene
 Concen: 22.418 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

Tgt Ion: 146 Resp: 397483
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.1 63.3
 148 66.8 31.6 94.8

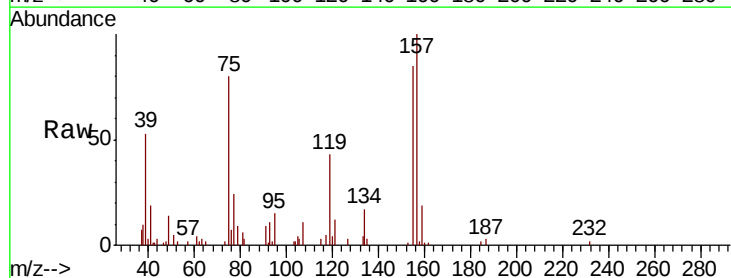


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

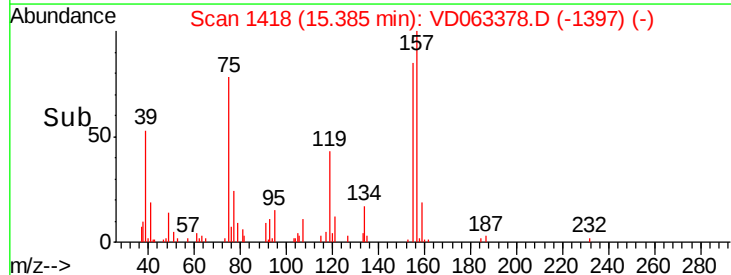
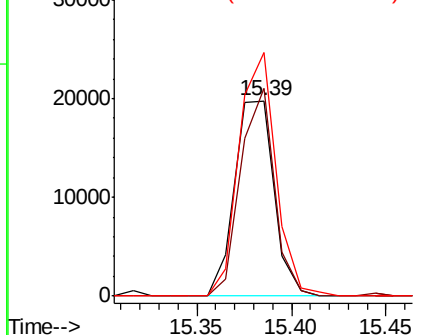


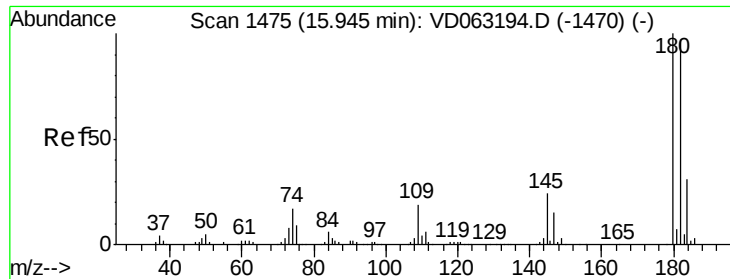
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.320 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion: 75 Resp: 28361
 Ion Ratio Lower Upper
 75 100
 155 106.5 37.0 111.0
 157 124.9 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

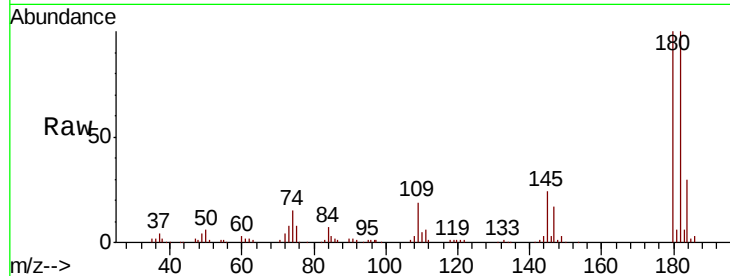




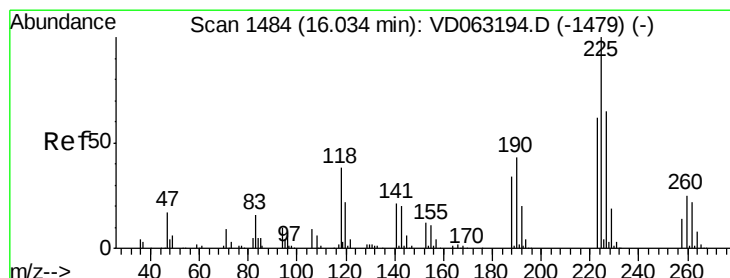
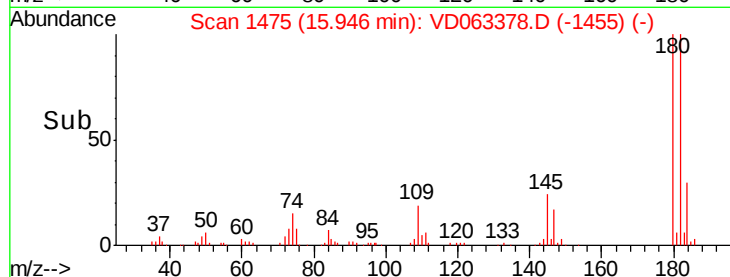
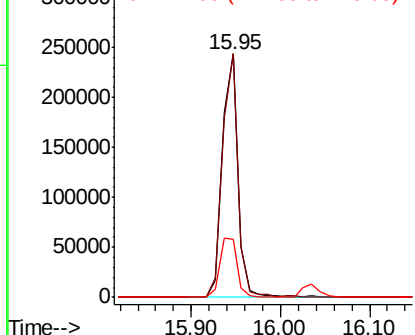
#93
 1,2,4-Trichlorobenzene
 Concen: 21.637 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBSD01

Tgt Ion:180 Resp: 304333
 Ion Ratio Lower Upper
 180 100
 182 99.9 48.6 145.8
 145 24.1 12.2 36.6

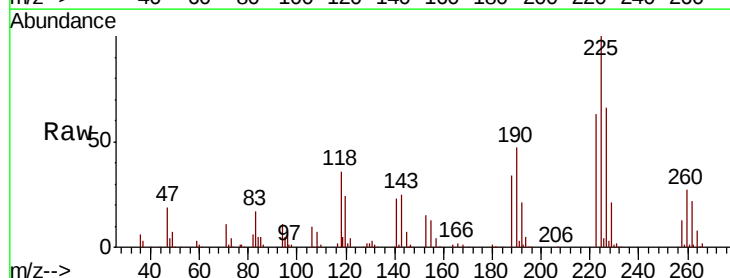


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

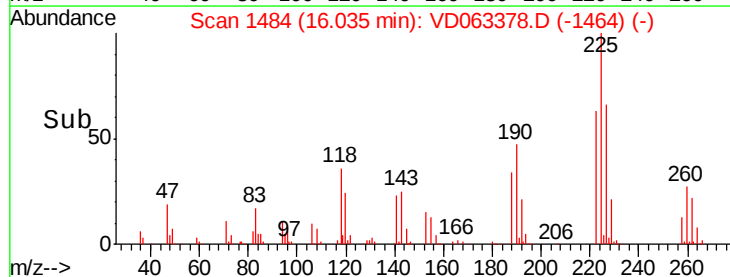
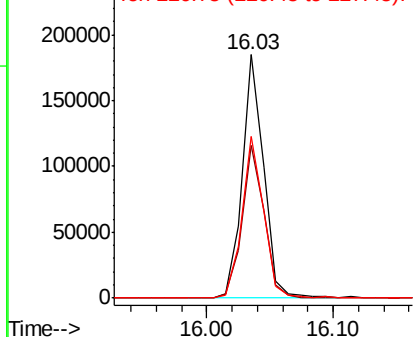


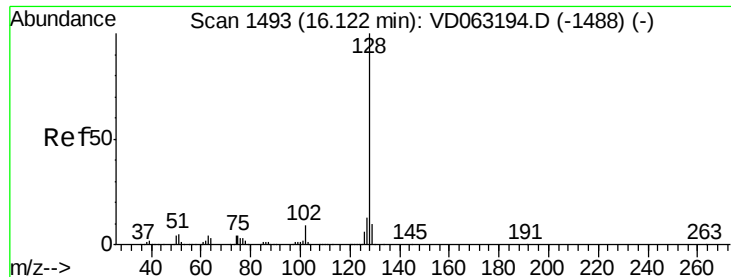
#94
 Hexachlorobutadiene
 Concen: 21.076 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063378.D
 Acq: 5 Aug 2019 14:06

Tgt Ion:225 Resp: 214827
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.5
 227 66.4 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

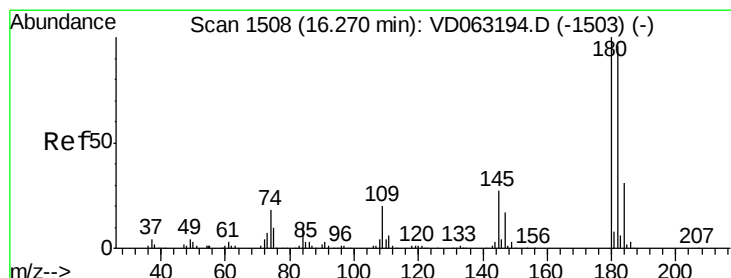
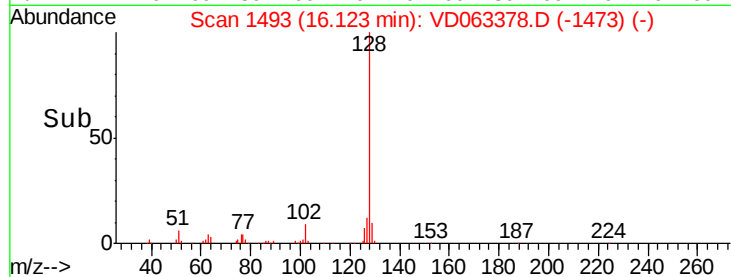
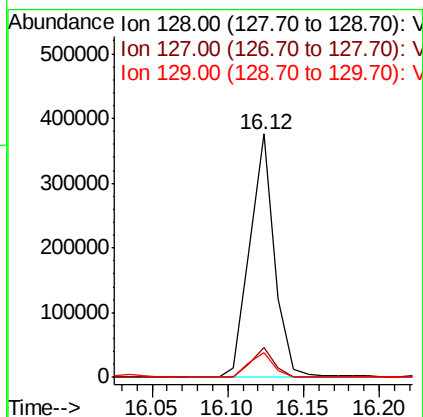
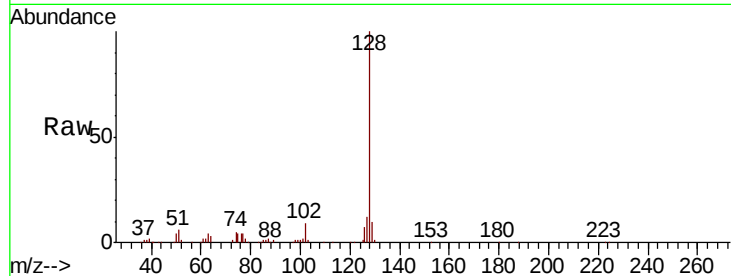




#95
Naphthalene
Concen: 21.594 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBSD01

Tgt Ion:128 Resp: 429305
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.3 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 21.427 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063378.D
Acq: 5 Aug 2019 14:06

Tgt Ion:180 Resp: 238086
Ion Ratio Lower Upper
180 100
182 97.1 48.3 144.9
145 28.2 13.6 40.7

