

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063700.D
 Acq On : 21 Aug 2019 00:10
 Operator : JC/SY
 Sample : VD0820SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Quant Time: Aug 21 03:54:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	851396	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1146281	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	981056	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	546931	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	521304	57.28	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.56%	
35) Dibromofluoromethane	6.92	113	552648	57.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.50%	
50) Toluene-d8	10.40	98	1187909	55.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.94%	
62) 4-Bromofluorobenzene	13.55	95	553565	57.54	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	207986	20.192	ug/l	97
3) Chloromethane	1.74	50	177826	22.096	ug/l	92
4) Vinyl Chloride	1.84	62	164619	20.605	ug/l	98
5) Bromomethane	2.13	94	73422	19.477	ug/l	92
6) Chloroethane	2.24	64	83370	22.820	ug/l #	79
7) Trichlorofluoromethane	2.51	101	353496	22.558	ug/l	97
8) Diethyl Ether	2.86	74	52118	23.556	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.13	101	191088	20.651	ug/l	91
10) Methyl Iodide	3.28	142	246528	18.830	ug/l	98
11) Tert butyl alcohol	4.07	59	56526	142.679	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	132749	19.296	ug/l	95
13) Acrolein	3.02	56	30732	78.808	ug/l	99
14) Allyl chloride	3.60	41	230746	22.311	ug/l	100
15) Acrylonitrile	4.18	53	131832	125.629	ug/l	94
16) Acetone	3.22	43	190507	102.976	ug/l	97
17) Carbon Disulfide	3.35	76	436611	20.109	ug/l	97
18) Methyl Acetate	3.63	43	96130	27.433	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	381999	27.765	ug/l	95
20) Methylene Chloride	3.80	84	183680	22.961	ug/l #	90
21) trans-1,2-Dichloroethene	4.20	96	165627	22.878	ug/l	96
22) Diisopropyl ether	5.11	45	512650	24.022	ug/l	95
23) Vinyl Acetate	5.04	43	1508546	121.590	ug/l	100
24) 1,1-Dichloroethane	4.96	63	304507	23.005	ug/l	97
25) 2-Butanone	6.06	43	217737	119.169	ug/l	99
26) 2,2-Dichloropropane	6.00	77	262358	19.900	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	183316	23.144	ug/l	97
28) Bromochloromethane	6.42	49	113340	21.128	ug/l	95
29) Tetrahydrofuran	6.45	42	103262	121.285	ug/l	98
30) Chloroform	6.65	83	391386	23.789	ug/l	94
31) Cyclohexane	6.94	56	171029	20.813	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	357893	22.740	ug/l	98
36) 1,1-Dichloropropene	7.13	75	228502	22.549	ug/l	97
37) Ethyl Acetate	6.17	43	115352	27.166	ug/l #	95
38) Carbon Tetrachloride	7.10	117	325986	21.345	ug/l	98

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 Sample : VD0820SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Quant Time: Aug 21 03:54:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	198212	23.003	ug/l	98
40) Benzene	7.44	78	526169	23.595	ug/l	96
41) Methacrylonitrile	6.44	41	139852	26.158	ug/l #	97
42) 1,2-Dichloroethane	7.57	62	285623	25.472	ug/l	97
43) Isopropyl Acetate	9.23	43	151818	26.696	ug/l #	89
44) Trichloroethene	8.53	130	192416	22.575	ug/l	100
45) 1,2-Dichloropropane	8.92	63	134708	25.940	ug/l	97
46) Dibromomethane	9.05	93	122357	27.590	ug/l	97
47) Bromodichloromethane	9.37	83	294631	25.900	ug/l	99
48) Methyl methacrylate	9.11	41	95415	24.739	ug/l	90
49) 1,4-Dioxane	9.07	88	18503	548.690	ug/l	96
51) 4-Methyl-2-Pentanone	10.29	43	518385	133.211	ug/l	100
52) Toluene	10.50	92	346813	24.146	ug/l	93
53) t-1,3-Dichloropropene	10.90	75	231488	24.935	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	260013	24.838	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	119684	24.668	ug/l	92
56) Ethyl methacrylate	11.04	69	129449	24.581	ug/l	98
57) 1,3-Dichloropropane	11.41	76	191644	26.131	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	331885	119.375	ug/l	99
59) 2-Hexanone	11.52	43	389634	137.605	ug/l	91
60) Dibromochloromethane	11.68	129	230164	26.070	ug/l	99
61) 1,2-Dibromoethane	11.80	107	155679	26.505	ug/l	93
64) Tetrachloroethene	11.25	164	195999	25.880	ug/l	94
65) Chlorobenzene	12.39	112	446923	24.306	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	205814	25.434	ug/l	95
67) Ethyl Benzene	12.52	91	785824	24.579	ug/l	97
68) m/p-Xylenes	12.67	106	566201	50.408	ug/l	95
69) o-Xylene	13.04	106	238388	22.051	ug/l	92
70) Styrene	13.07	104	442868	23.030	ug/l	98
71) Bromoform	13.23	173	137450	24.771	ug/l	95
73) Isopropylbenzene	13.39	105	782289	22.487	ug/l	98
74) N-amyl acetate	13.27	43	210448	24.099	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	144449	25.017	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	159879	25.471	ug/l	95
77) Bromobenzene	13.66	156	214310	22.541	ug/l	93
78) n-propylbenzene	13.77	91	877349	21.555	ug/l	94
79) 2-Chlorotoluene	13.84	91	550866	23.473	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	633592	20.845	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	34026	20.169	ug/l	84
82) 4-Chlorotoluene	13.95	91	638413	22.622	ug/l	93
83) tert-Butylbenzene	14.18	119	729919	22.805	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	656625	23.348	ug/l	88
85) sec-Butylbenzene	14.36	105	765196	22.512	ug/l	98
86) p-Isopropyltoluene	14.49	119	726729	22.360	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	366734	21.325	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	367311	22.262	ug/l	92
89) n-Butylbenzene	14.79	91	586820	19.783	ug/l	92
90) Hexachloroethane	15.00	117	192469	23.561	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	314219	21.535	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	29082	26.749	ug/l	69

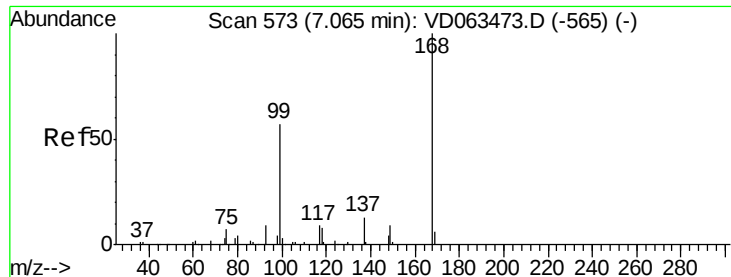
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
Data File : VD063700.D
Acq On : 21 Aug 2019 00:10
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Sample : VD0820SBS02
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MSVOA_D
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Quant Time: Aug 21 03:54:12 2019
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	259441	24.165	ug/l	95
94) Hexachlorobutadiene	16.03	225	175592	21.459	ug/l	96
95) Naphthalene	16.12	128	403608	24.805	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	219284	25.288	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

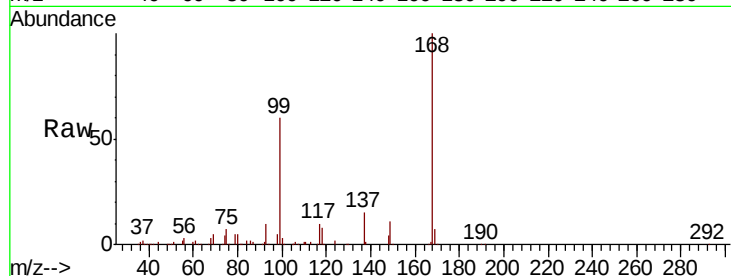
VD0820SBS02

Tgt Ion:168 Resp: 851396

Ion Ratio Lower Upper

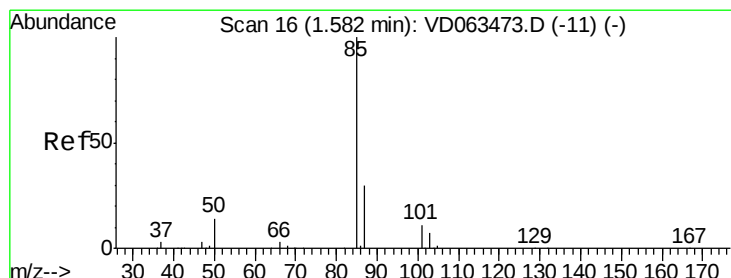
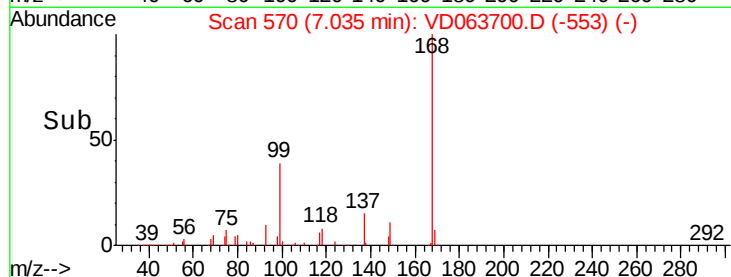
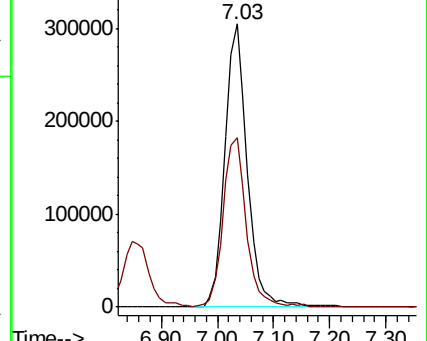
168 100

99 59.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.192 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063700.D

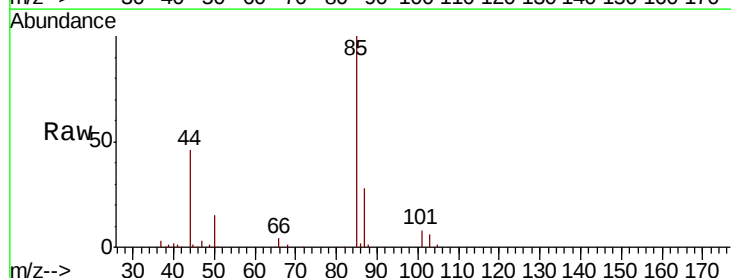
Acq: 21 Aug 2019 00:10

Tgt Ion: 85 Resp: 207986

Ion Ratio Lower Upper

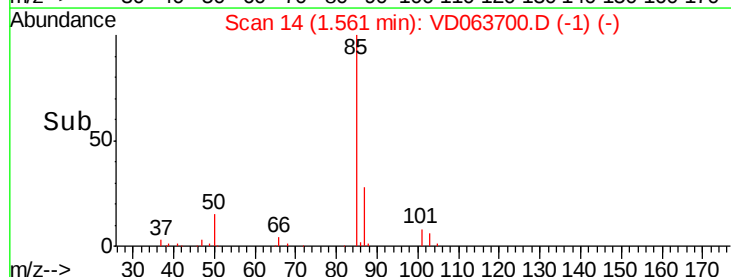
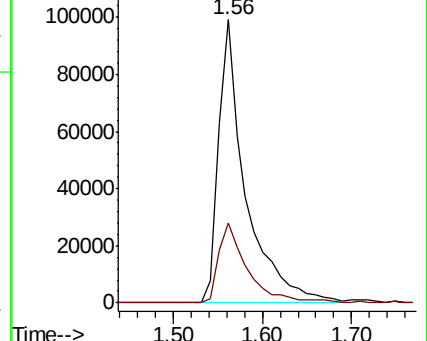
85 100

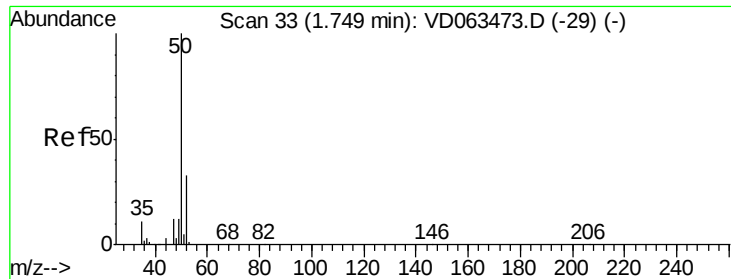
87 28.3 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.096 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

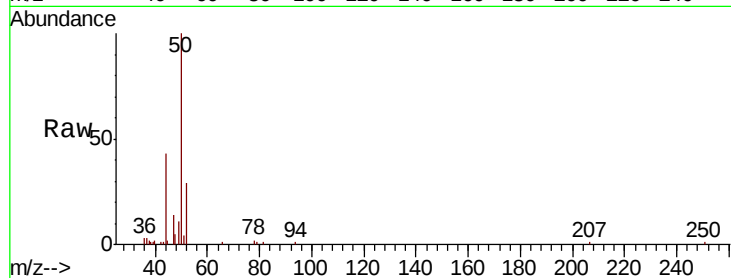
VD0820SBS02

Tgt Ion: 50 Resp: 177826

Ion Ratio Lower Upper

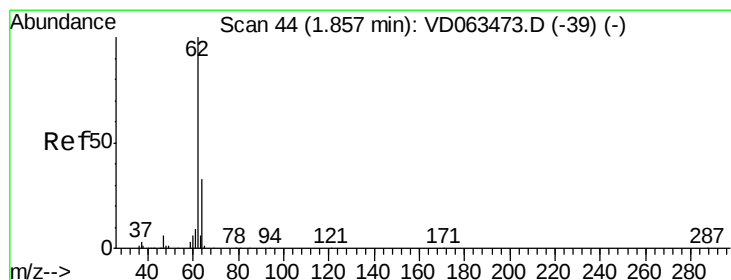
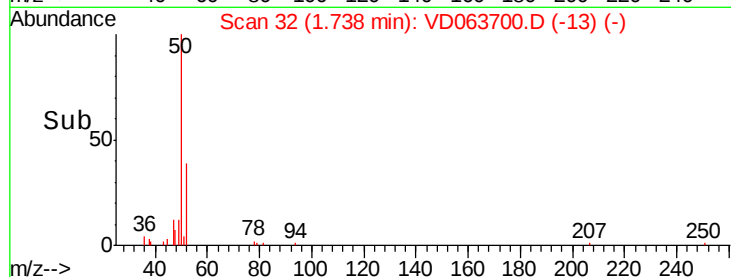
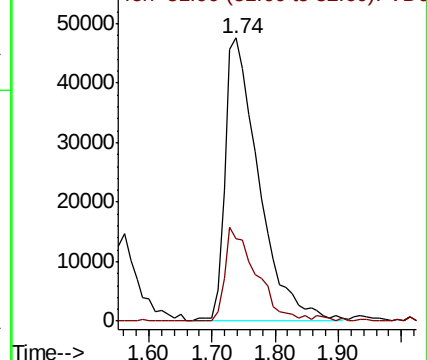
50 100

52 29.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.605 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063700.D

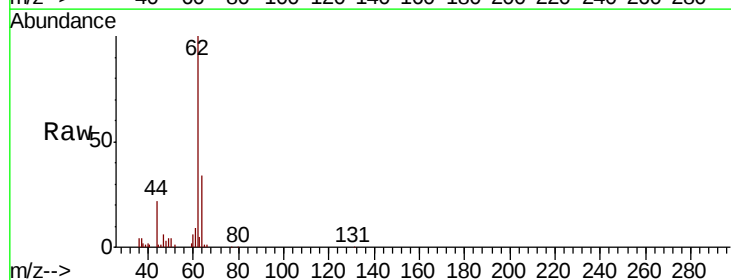
Acq: 21 Aug 2019 00:10

Tgt Ion: 62 Resp: 164619

Ion Ratio Lower Upper

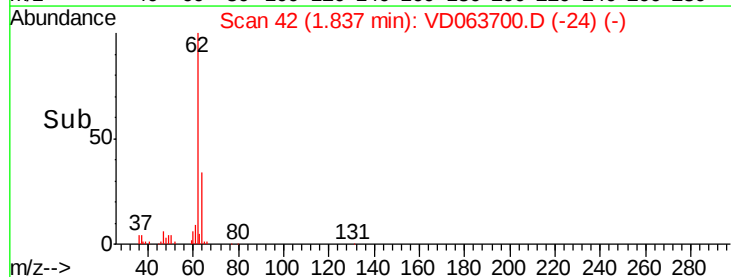
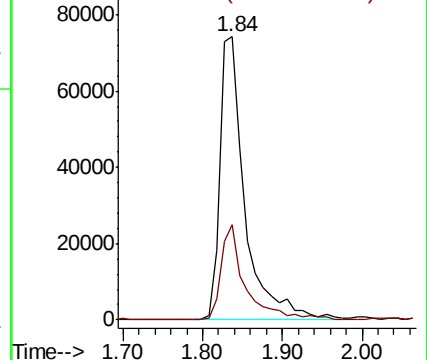
62 100

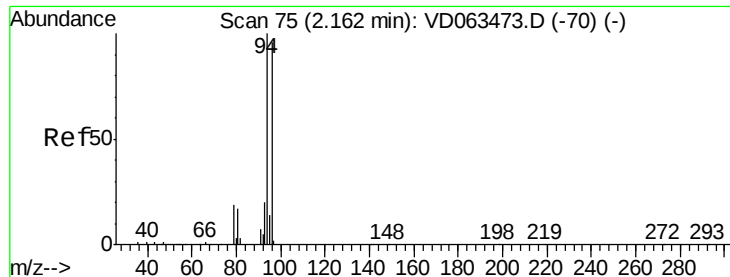
64 33.9 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.477 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

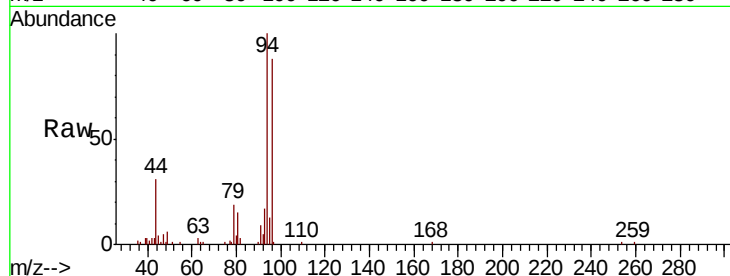
Tgt Ion: 94 Resp: 73422

Ion Ratio Lower Upper

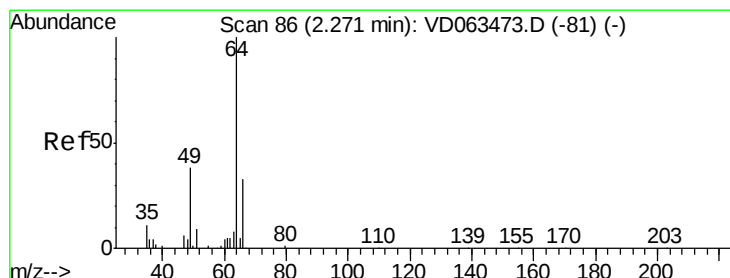
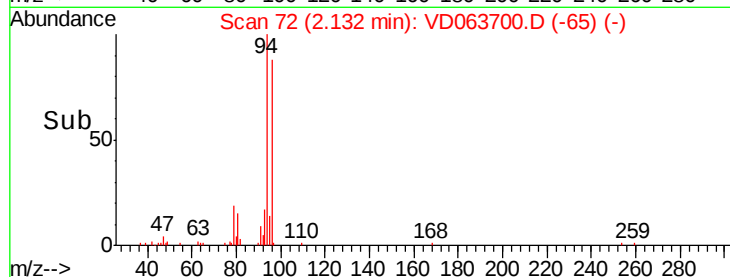
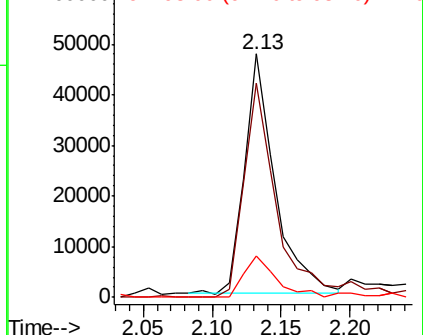
94 100

96 87.8 76.5 114.7

93 16.9 15.8 23.8



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: 22.820 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063700.D

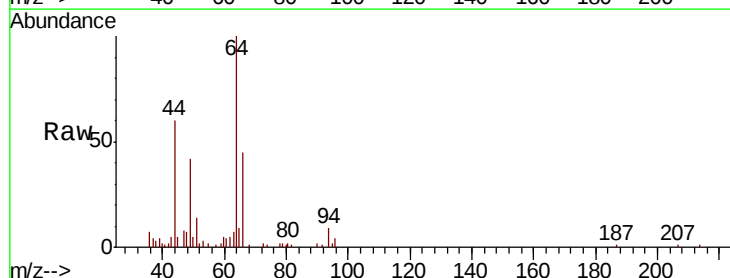
Acq: 21 Aug 2019 00:10

Tgt Ion: 64 Resp: 83370

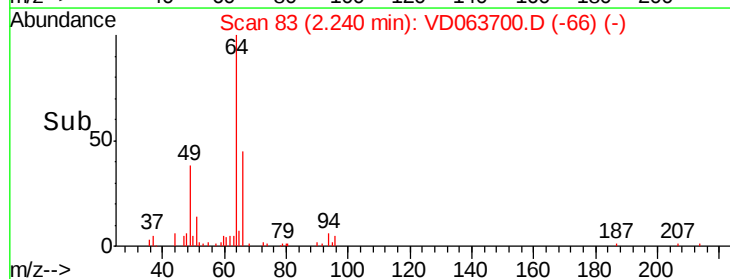
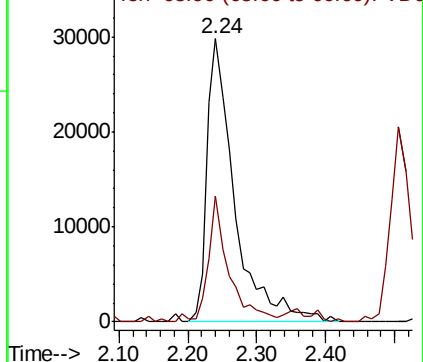
Ion Ratio Lower Upper

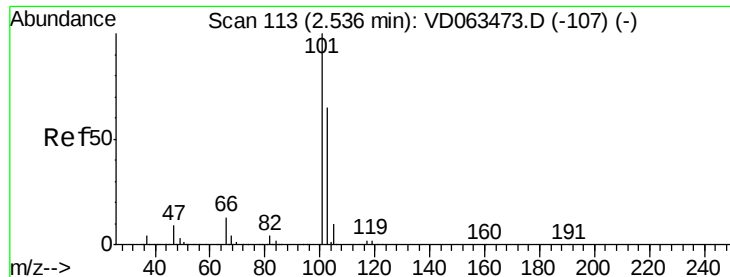
64 100

66 44.6 26.3 39.5#



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



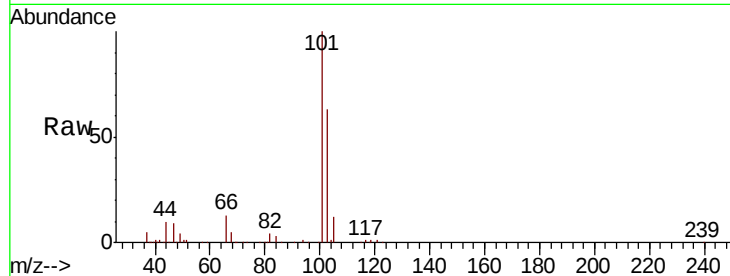


#7

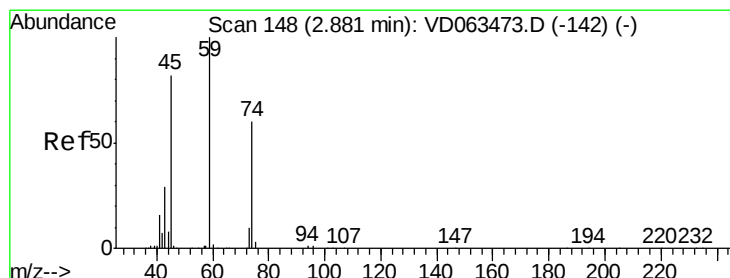
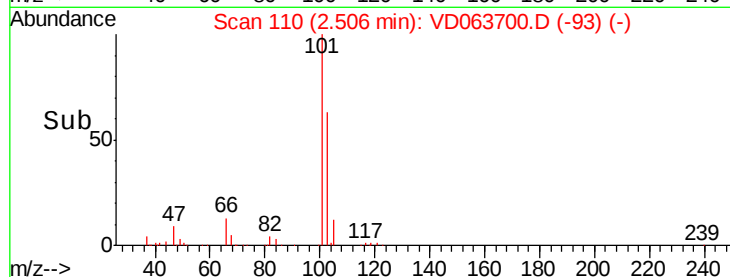
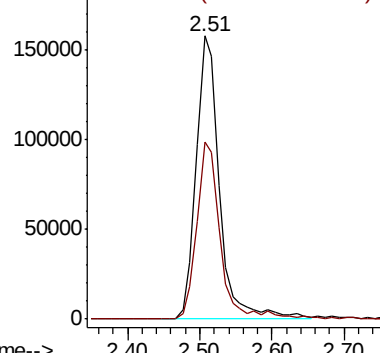
Trichlorofluoromethane
 Concen: 22.558 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tgt Ion: 101 Resp: 353496
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.2 78.4



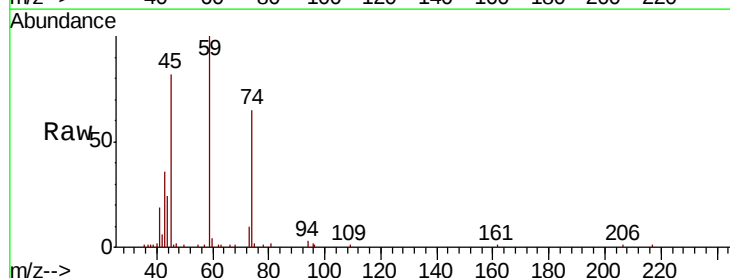
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



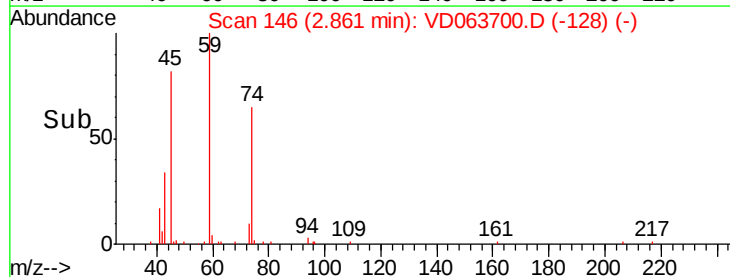
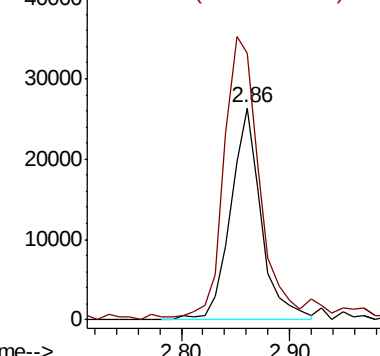
#8

Diethyl Ether
 Concen: 23.556 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion: 74 Resp: 52118
 Ion Ratio Lower Upper
 74 100
 45 125.4 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.651 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

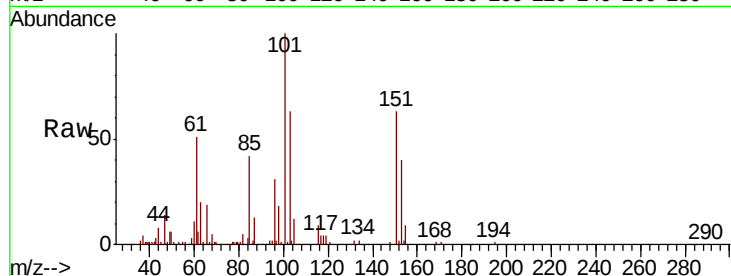
Tgt Ion:101 Resp: 191088

Ion Ratio Lower Upper

101 100

85 42.2 35.8 53.6

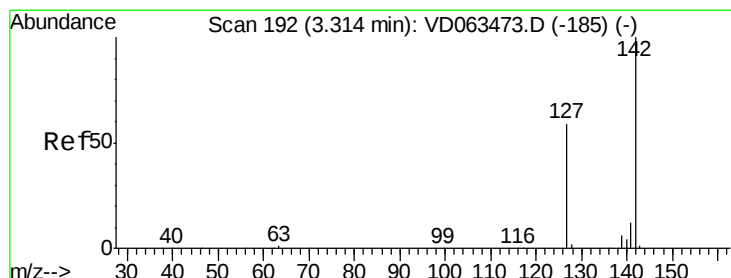
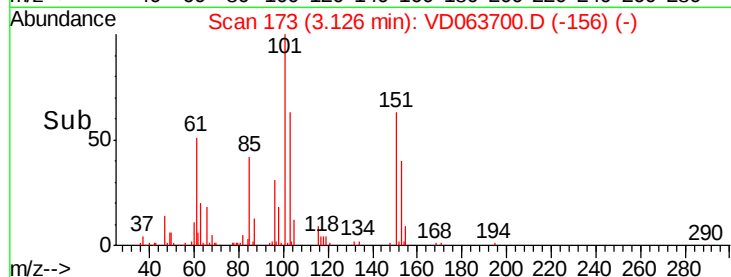
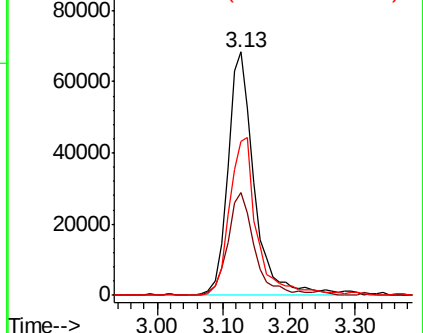
151 63.2 58.6 88.0



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: 18.830 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

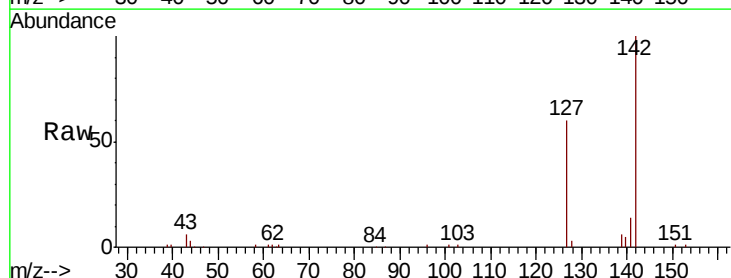
Tgt Ion:142 Resp: 246528

Ion Ratio Lower Upper

142 100

127 60.0 47.2 70.8

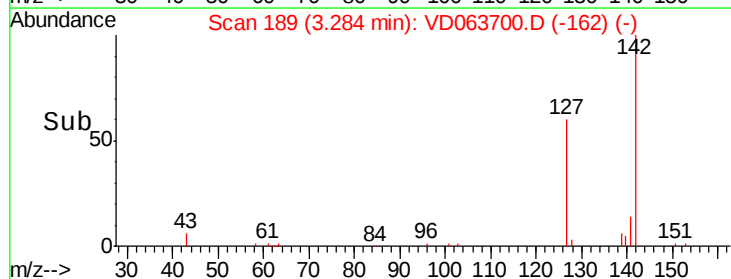
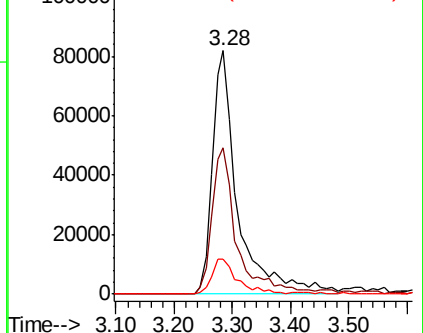
141 14.2 9.8 14.8

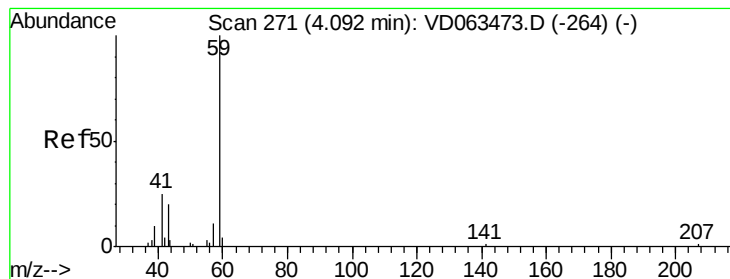


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 142.679 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

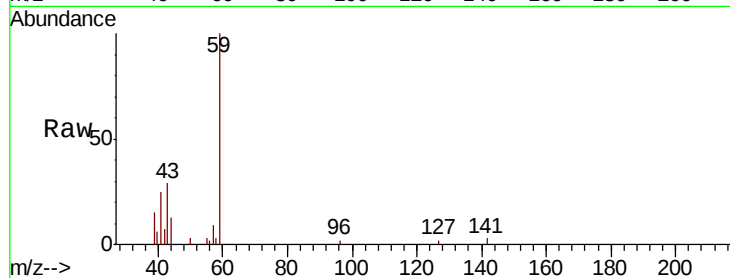
VD0820SBS02

Tgt Ion: 59 Resp: 56526

Ion Ratio Lower Upper

59 100

57 8.6 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

25000

20000

15000

10000

5000

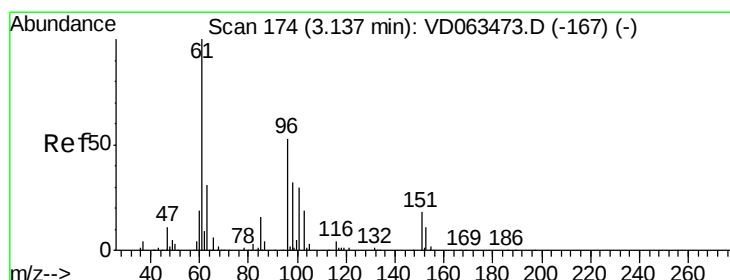
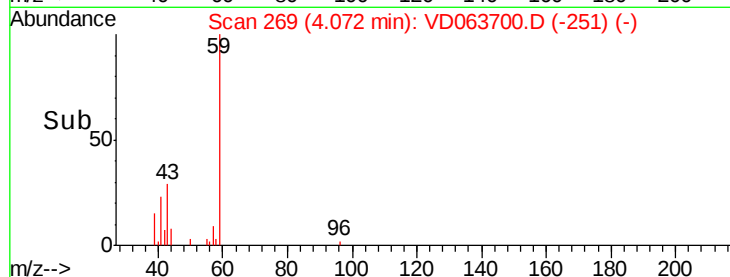
0

4.00

4.10

4.20

Time-->



#12

1,1-Dichloroethene

Concen: 19.296 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

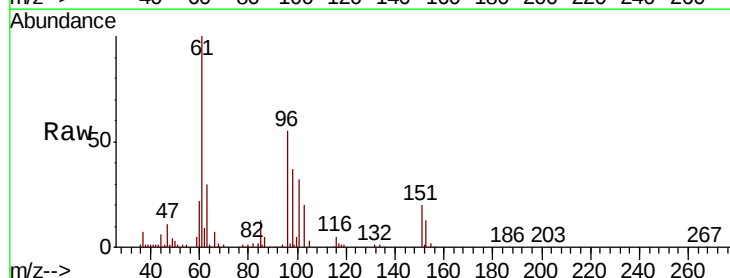
Tgt Ion: 96 Resp: 132749

Ion Ratio Lower Upper

96 100

61 183.4 151.7 227.5

98 67.4 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

150000

100000

50000

0

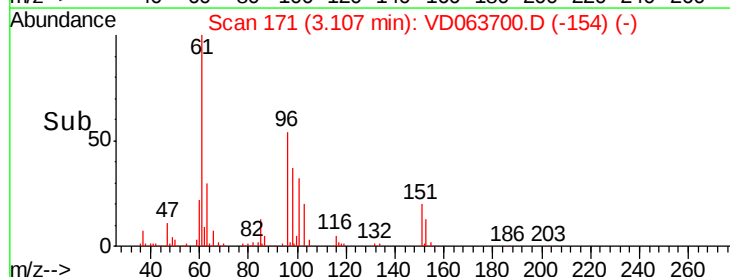
3.00

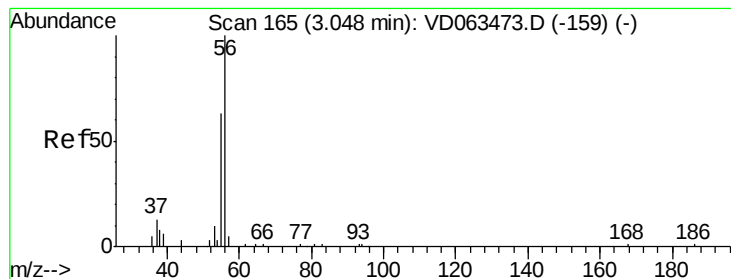
3.10

3.20

3.30

Time-->





#13

Acrolein

Concen: 78.808 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

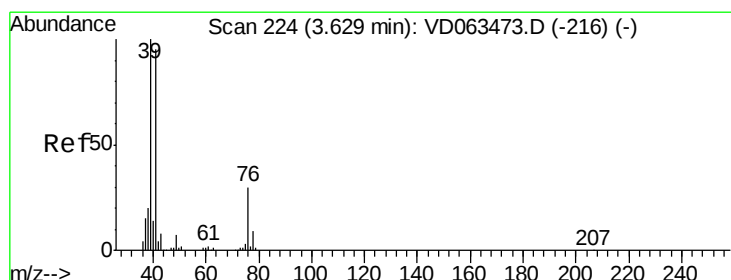
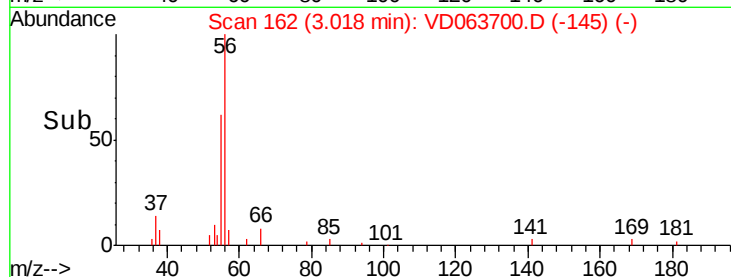
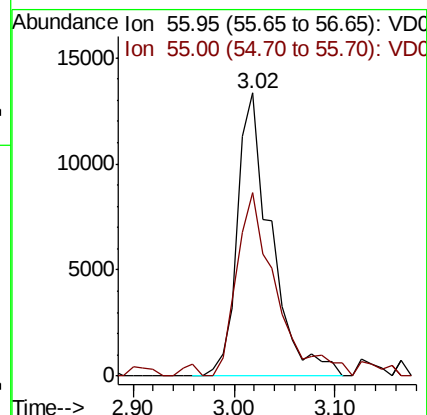
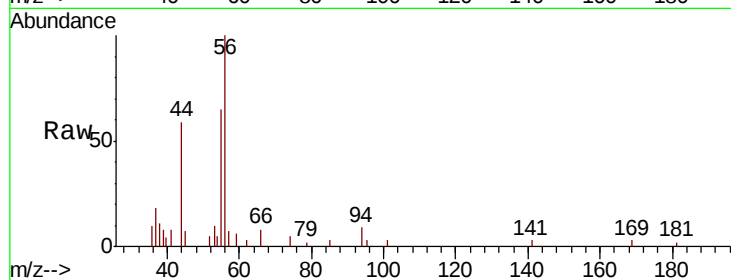
VD0820SBS02

Tgt Ion: 56 Resp: 30732

Ion Ratio Lower Upper

56 100

55 65.0 51.3 76.9



#14

Allyl chloride

Concen: 22.311 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

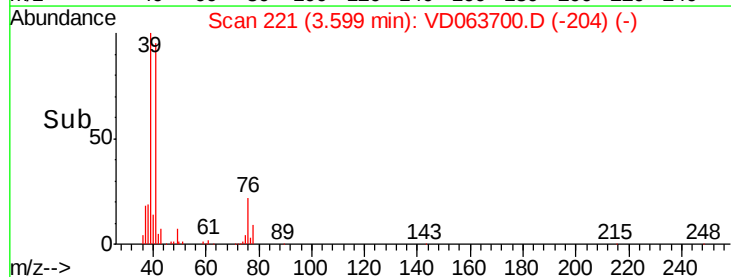
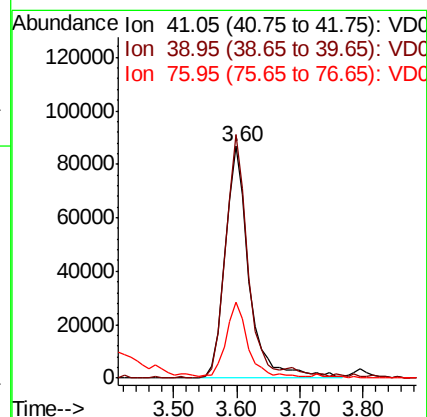
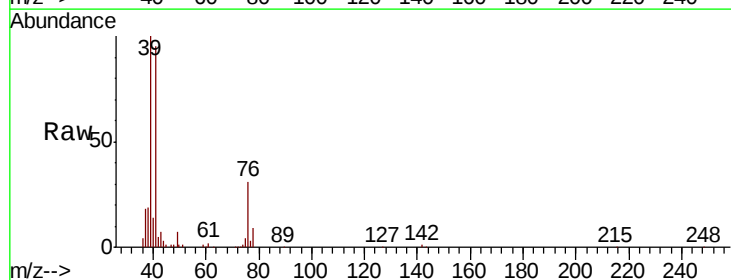
Tgt Ion: 41 Resp: 230746

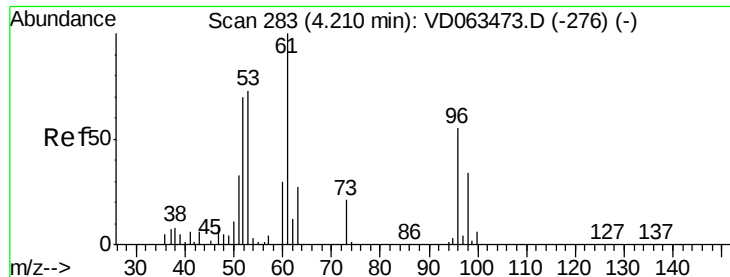
Ion Ratio Lower Upper

41 100

39 104.9 84.2 126.4

76 32.8 26.0 39.0





#15

Acrylonitrile

Concen: 125.629 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

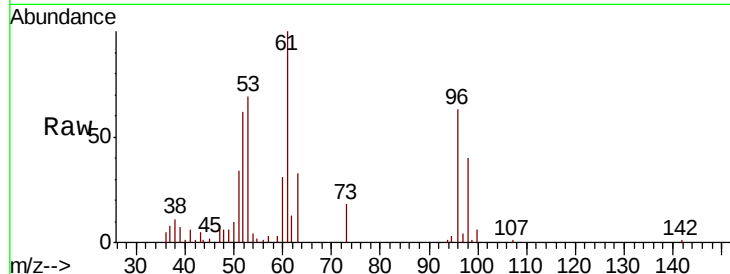
Tgt Ion: 53 Resp: 131832

Ion Ratio Lower Upper

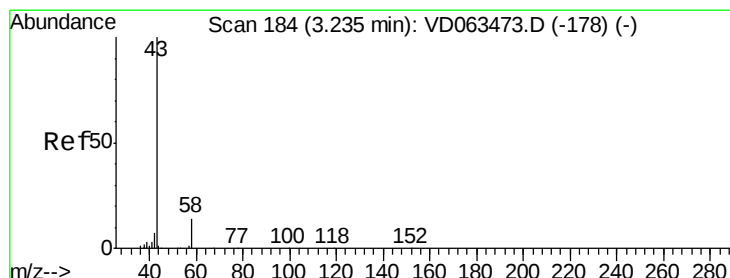
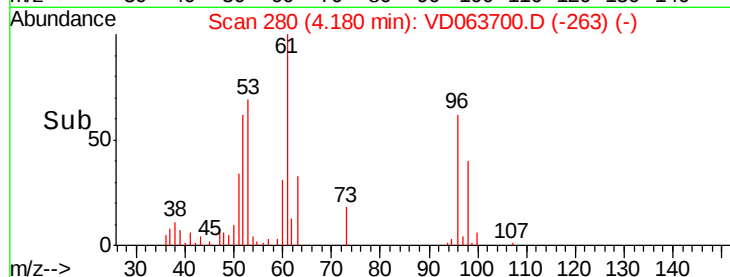
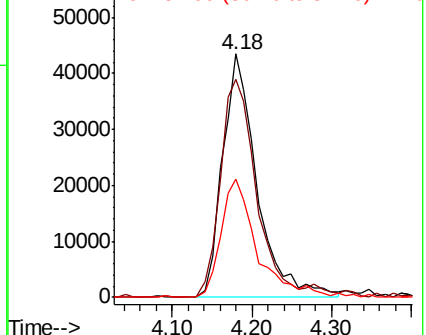
53 100

52 89.7 77.4 116.0

51 48.6 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.976 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063700.D

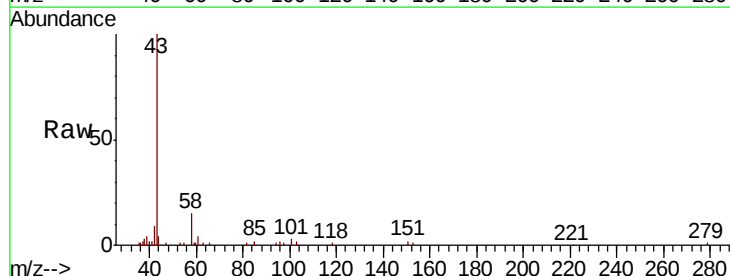
Acq: 21 Aug 2019 00:10

Tgt Ion: 43 Resp: 190507

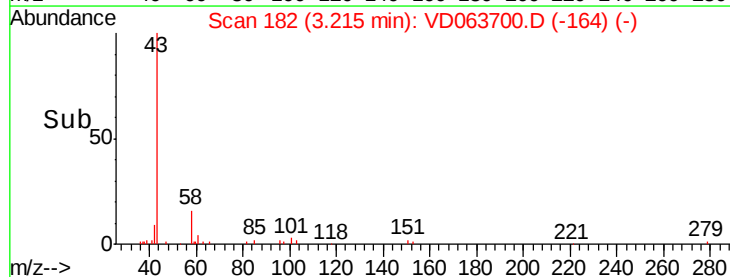
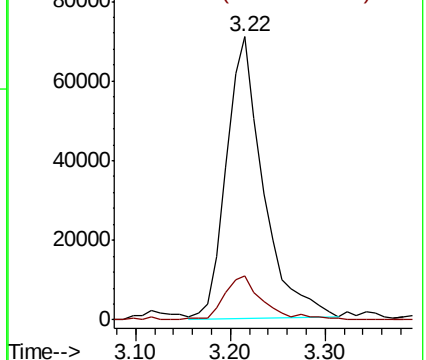
Ion Ratio Lower Upper

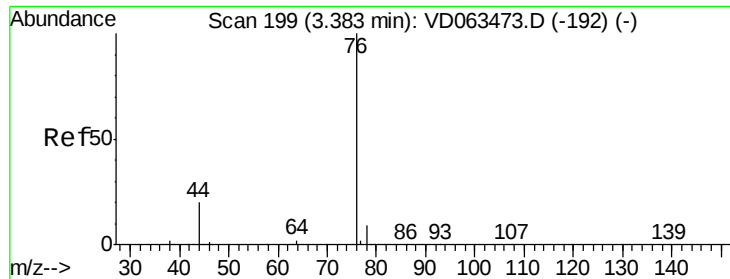
43 100

58 15.4 11.4 17.2



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

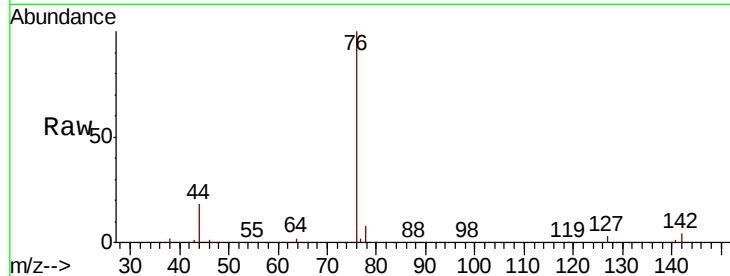




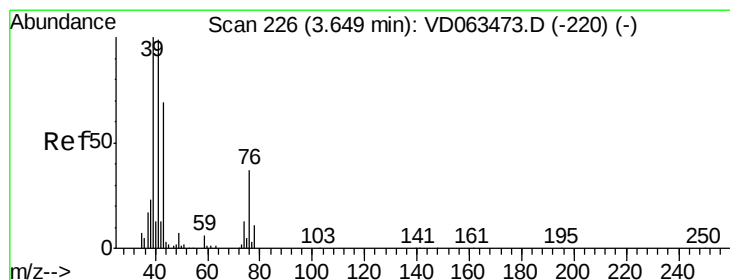
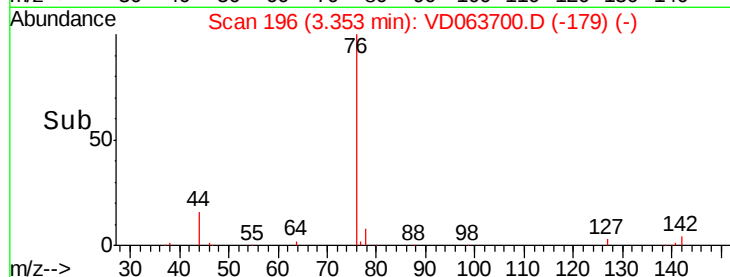
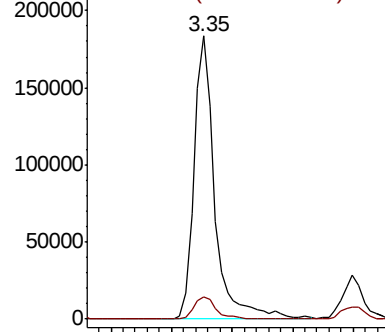
#17
Carbon Disulfide
Concen: 20.109 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion: 76 Resp: 436611
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0

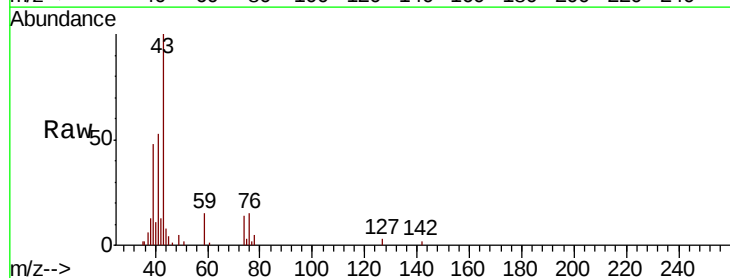


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

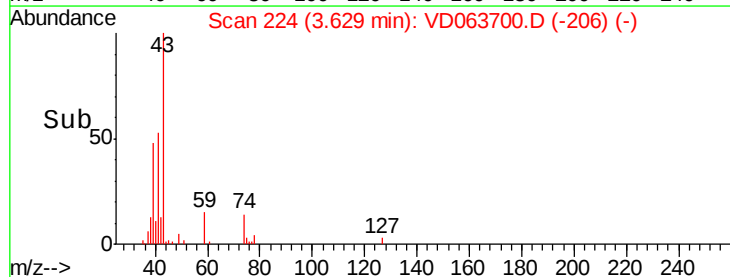
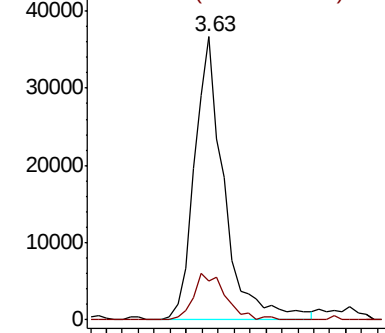


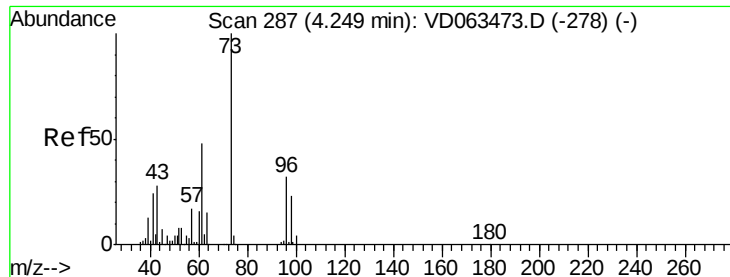
#18
Methyl Acetate
Concen: 27.433 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 43 Resp: 96130
Ion Ratio Lower Upper
43 100
74 13.9 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

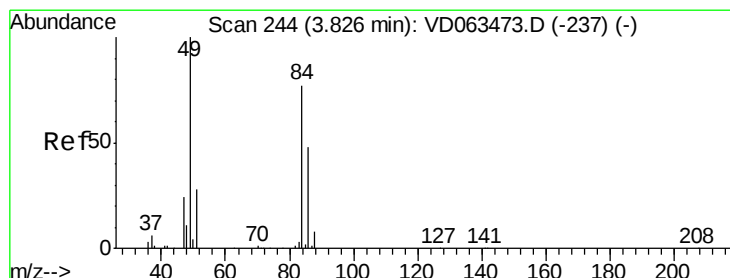
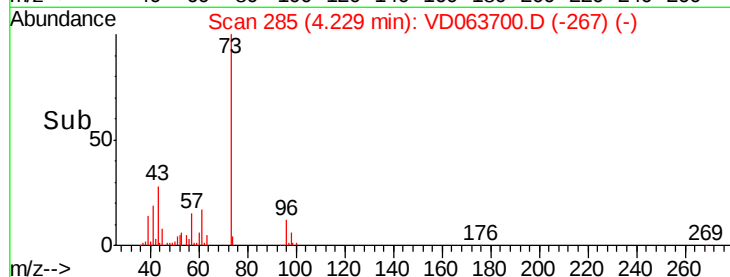
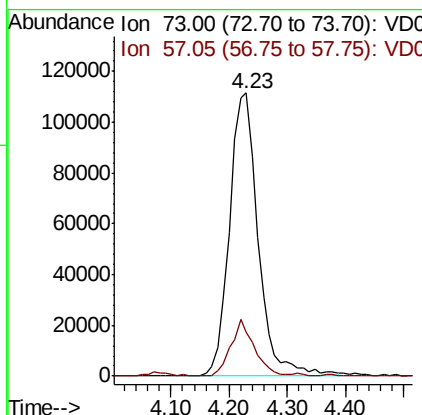
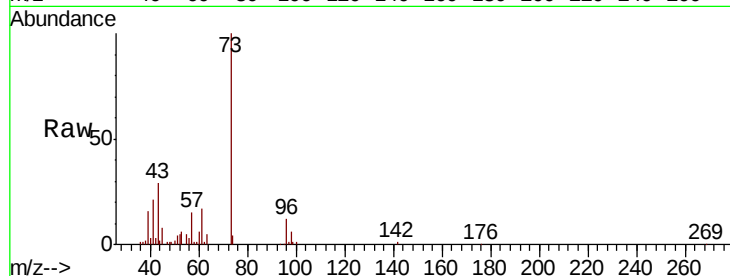




#19
Methyl tert-butyl Ether
Concen: 27.765 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

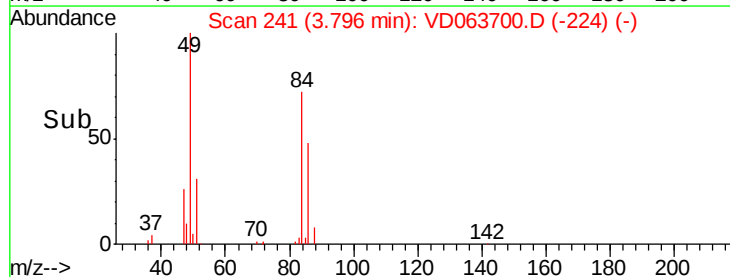
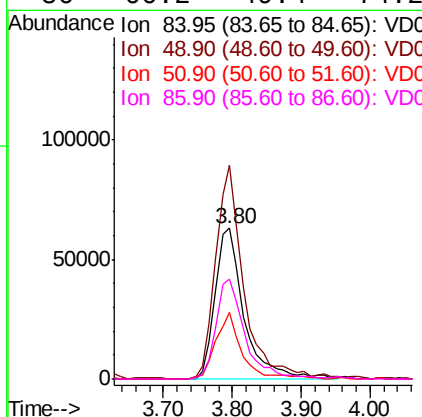
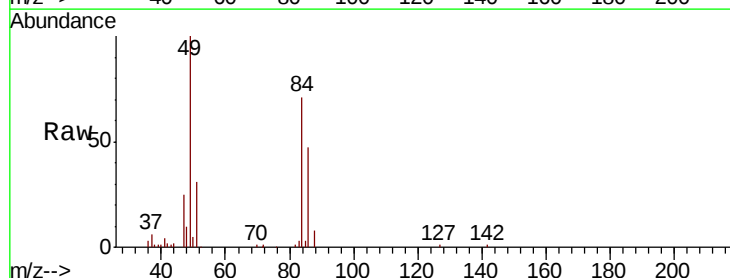
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

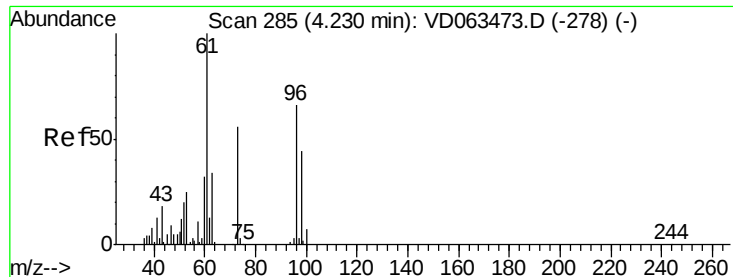
Tgt Ion: 73 Resp: 381999
Ion Ratio Lower Upper
73 100
57 15.3 14.0 21.0



#20
Methylene Chloride
Concen: 22.961 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 84 Resp: 183680
Ion Ratio Lower Upper
84 100
49 141.7 103.4 155.2
51 44.1 28.5 42.7#
86 66.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.878 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

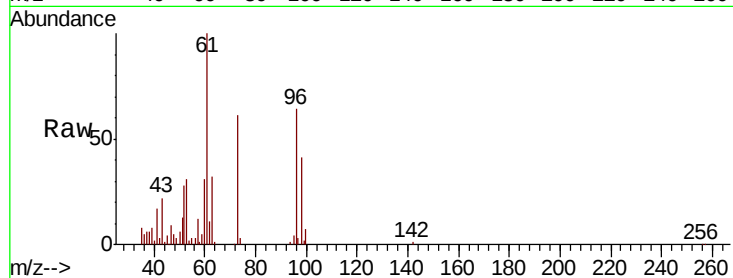
Tgt Ion: 96 Resp: 165627

Ion Ratio Lower Upper

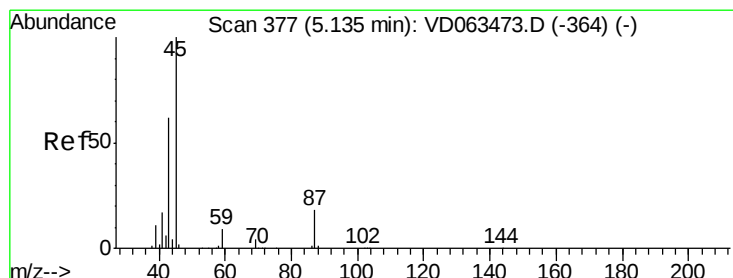
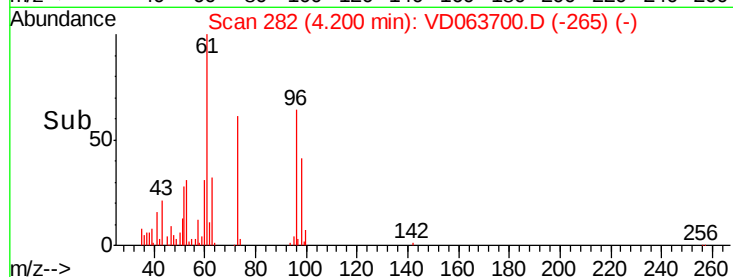
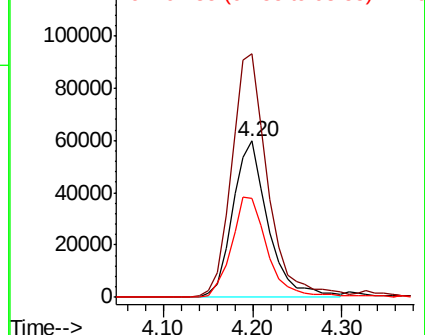
96 100

61 156.1 121.7 182.5

98 63.3 54.2 81.2



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: 24.022 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Tgt Ion: 45 Resp: 512650

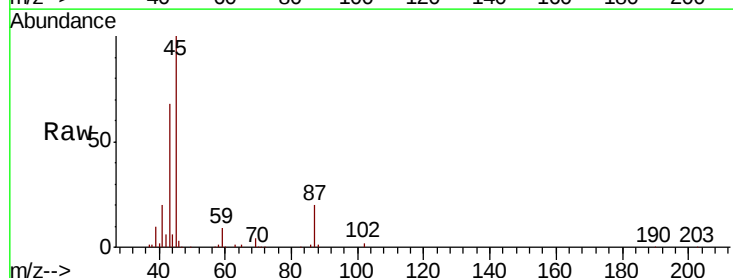
Ion Ratio Lower Upper

45 100

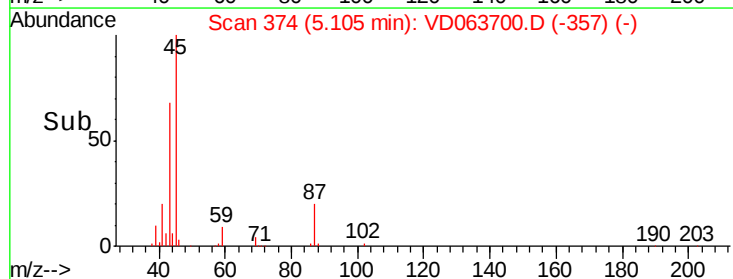
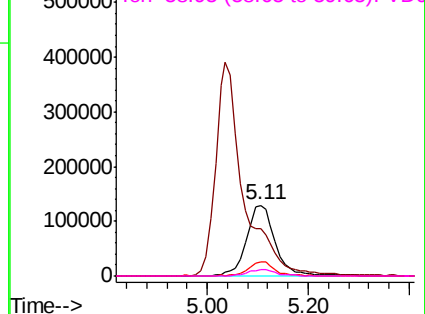
43 67.9 50.3 75.5

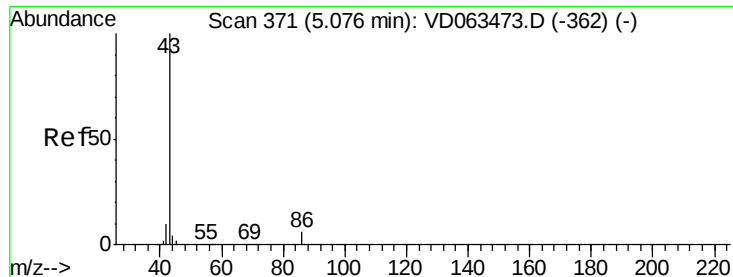
87 19.6 14.3 21.5

59 9.0 7.7 11.5



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: 121.590 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

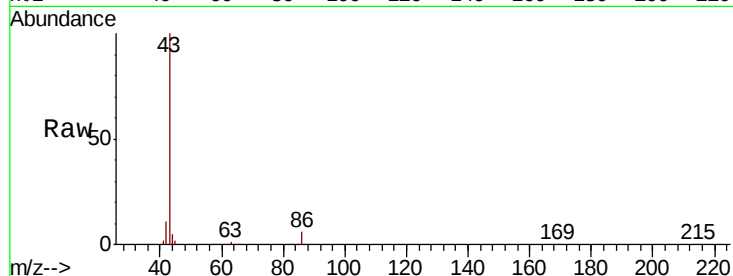
VD0820SBS02

Tgt Ion: 43 Resp: 1508546

Ion Ratio Lower Upper

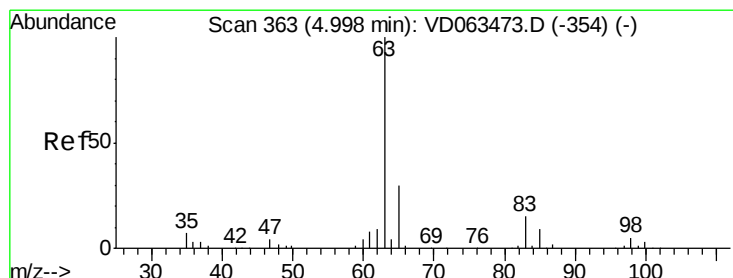
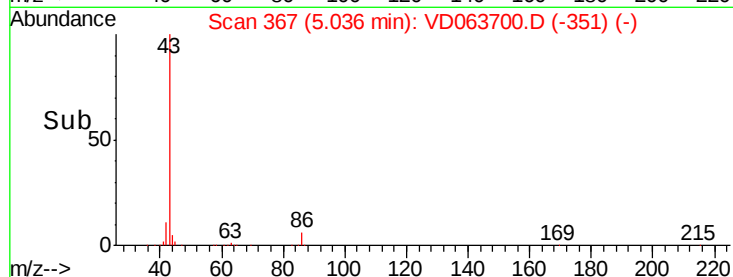
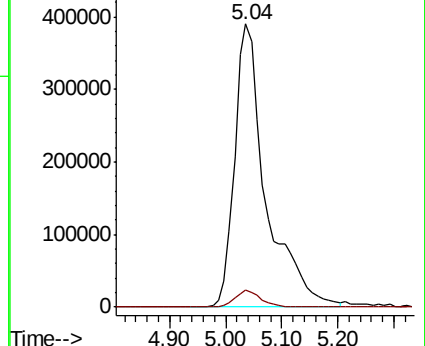
43 100

86 5.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.005 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

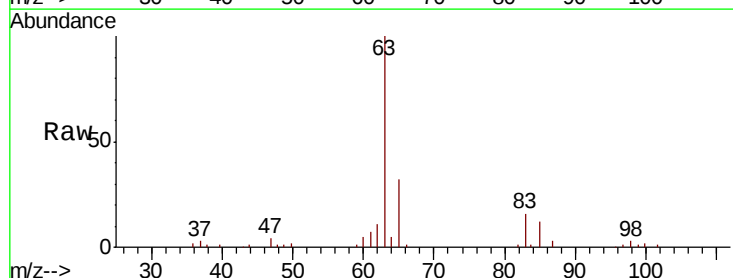
Tgt Ion: 63 Resp: 304507

Ion Ratio Lower Upper

63 100

98 3.5 2.4 7.2

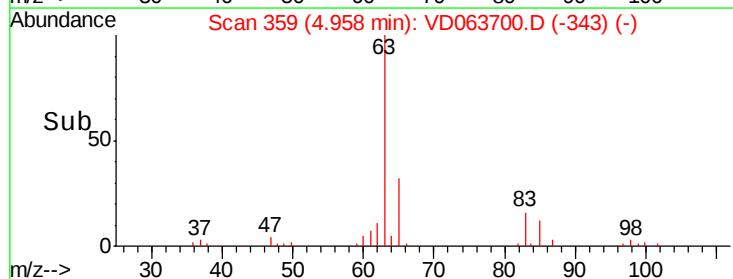
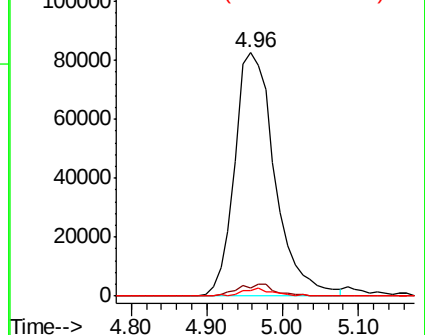
100 2.4 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.169 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

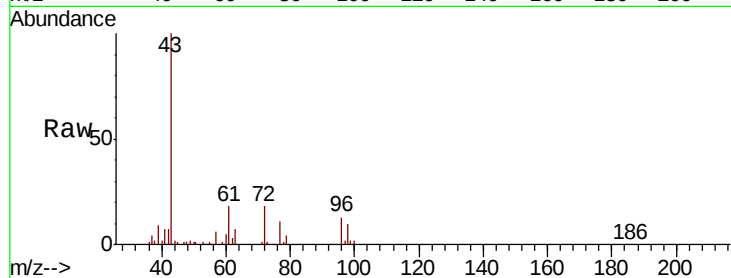
VD0820SBS02

Tgt Ion: 43 Resp: 217737

Ion Ratio Lower Upper

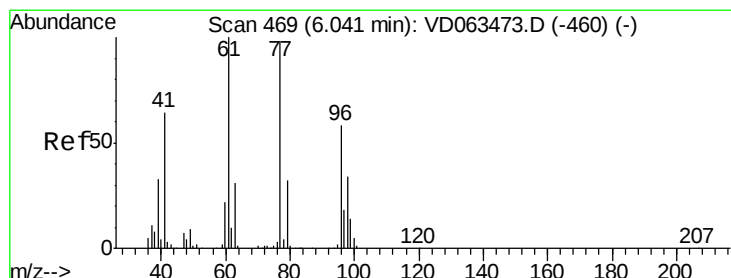
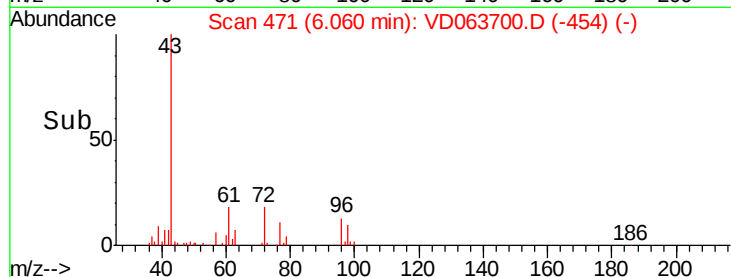
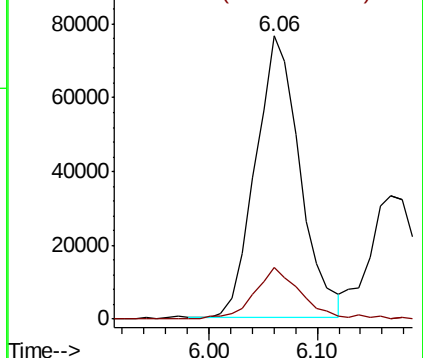
43 100

72 18.4 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.900 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD063700.D

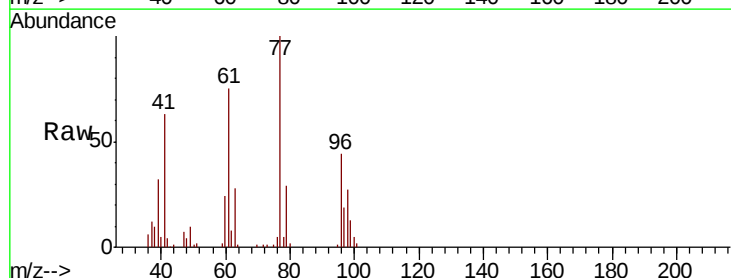
Acq: 21 Aug 2019 00:10

Tgt Ion: 77 Resp: 262358

Ion Ratio Lower Upper

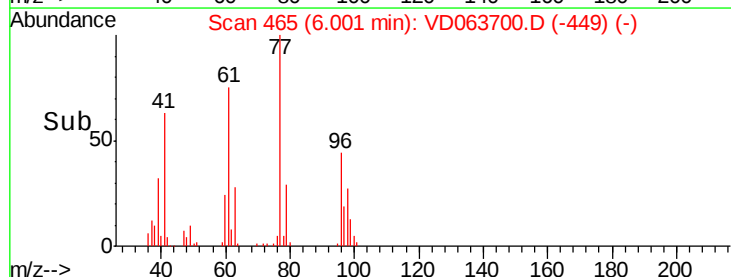
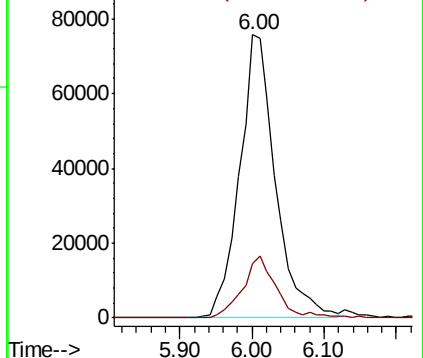
77 100

97 19.2 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



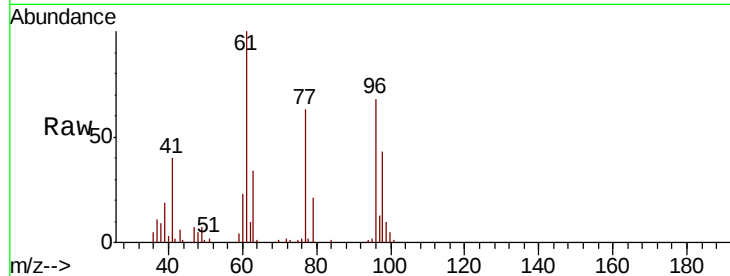


#27

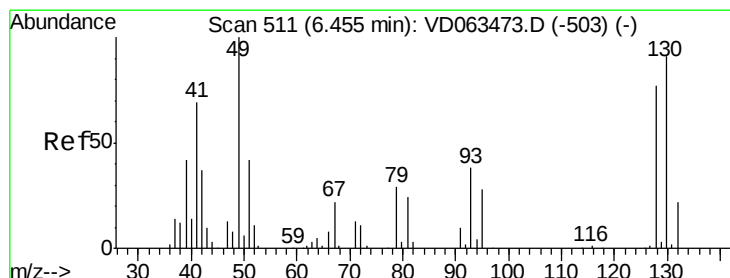
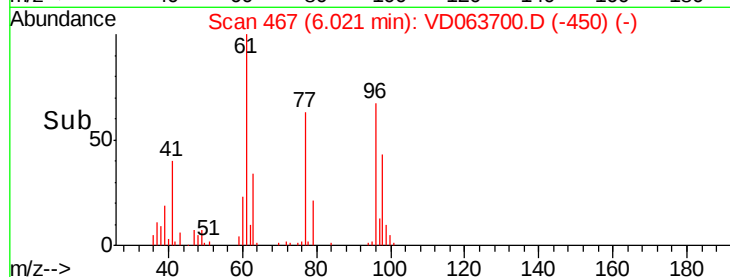
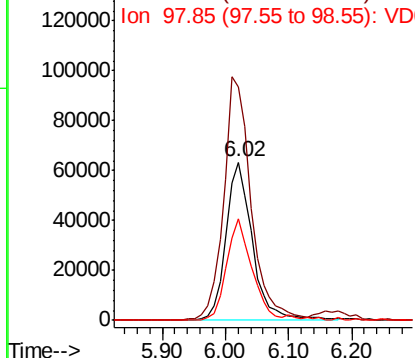
cis-1,2-Dichloroethene
Concen: 23.144 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion: 96 Resp: 183316
Ion Ratio Lower Upper
96 100
61 148.0 0.0 304.0
98 64.2 0.0 124.8



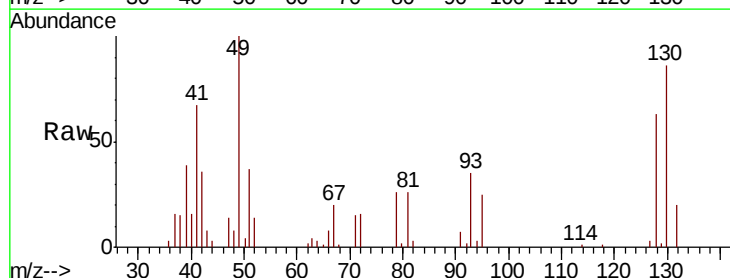
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



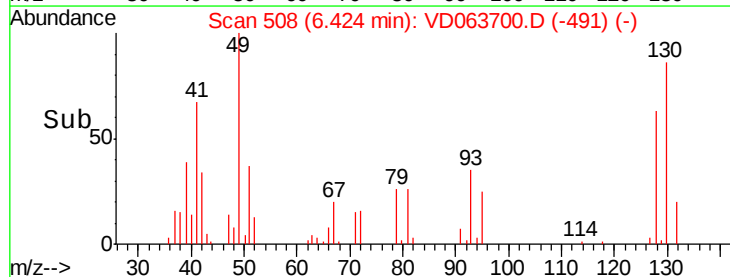
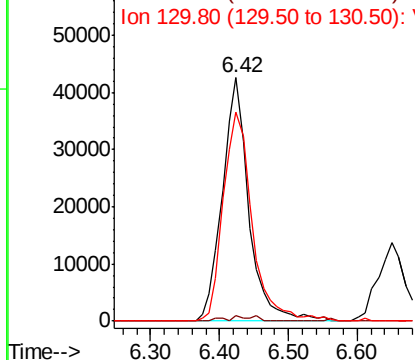
#28

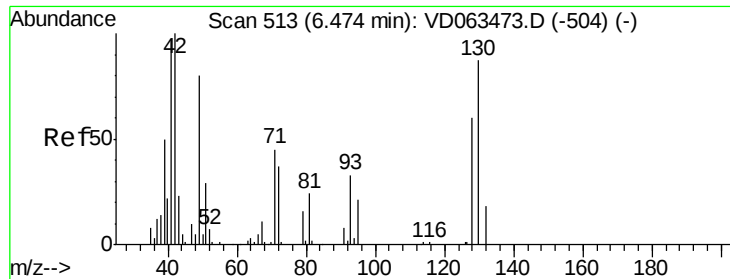
Bromochloromethane
Concen: 21.128 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 49 Resp: 113340
Ion Ratio Lower Upper
49 100
129 2.1 0.0 6.4
130 85.9 72.4 108.6



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

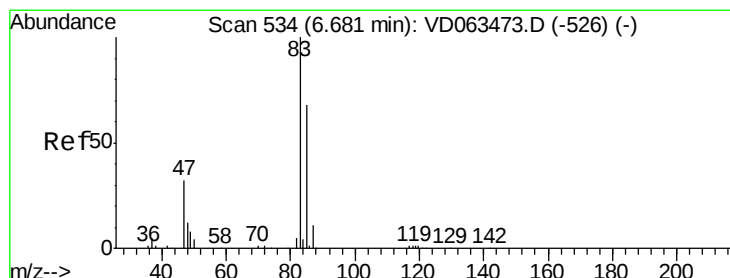
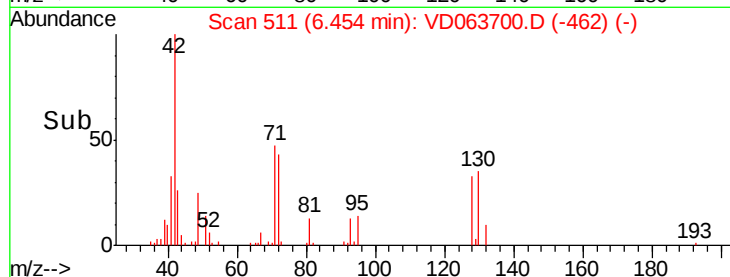
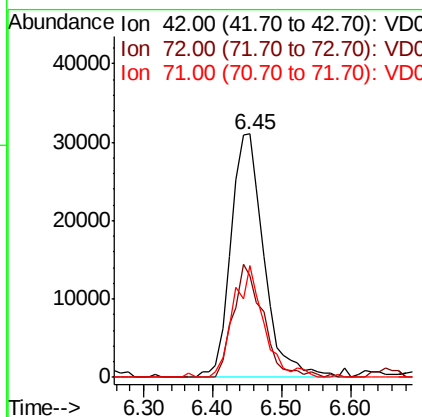
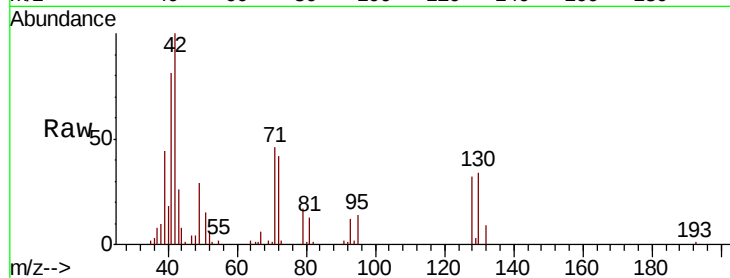




#29
Tetrahydrofuran
Concen: 121.285 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

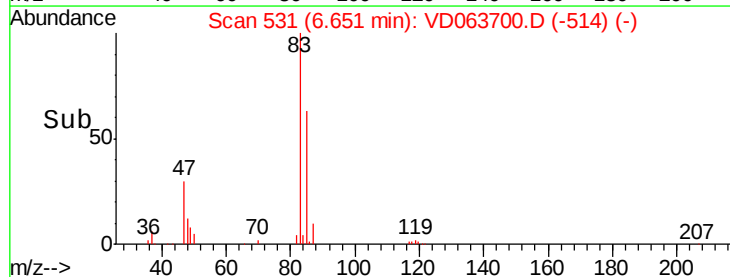
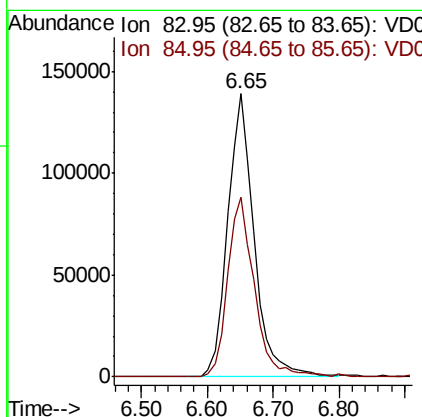
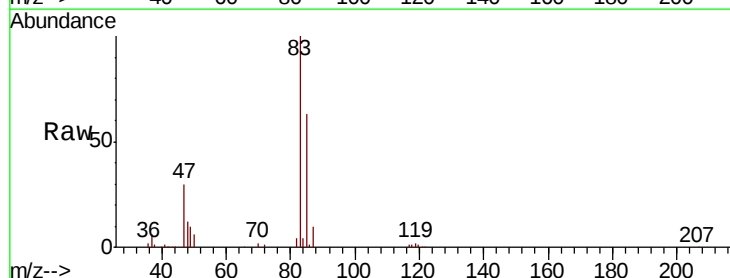
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

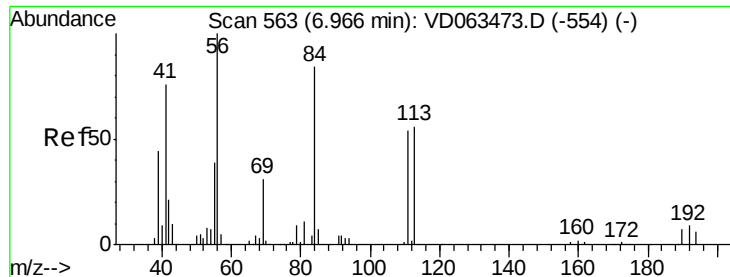
Tgt Ion: 42 Resp: 103262
Ion Ratio Lower Upper
42 100
72 41.9 31.5 47.3
71 41.9 33.8 50.8



#30
Chloroform
Concen: 23.789 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 83 Resp: 391386
Ion Ratio Lower Upper
83 100
85 63.3 54.8 82.2

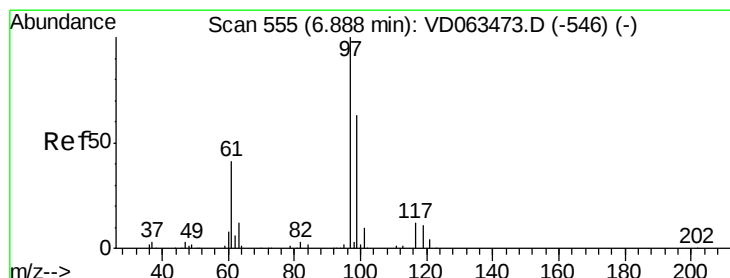
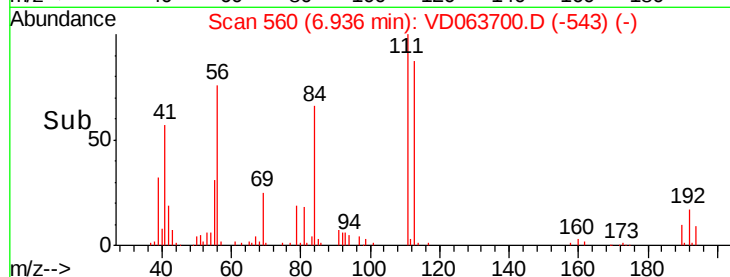
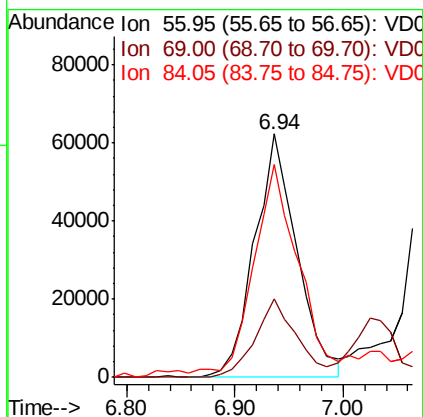
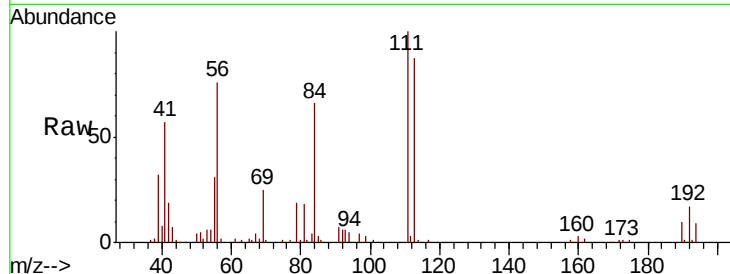




#31
Cyclohexane
Concen: 20.813 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

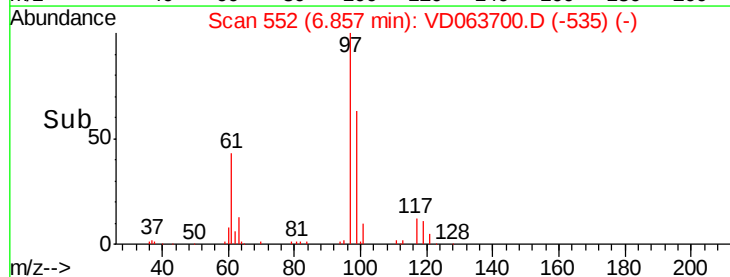
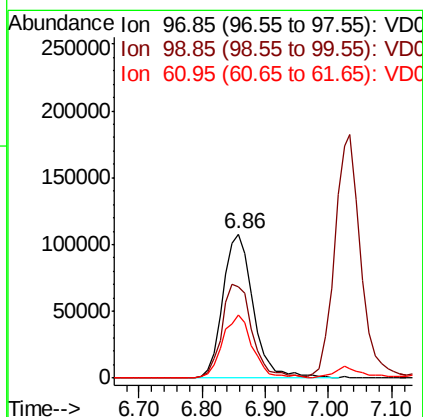
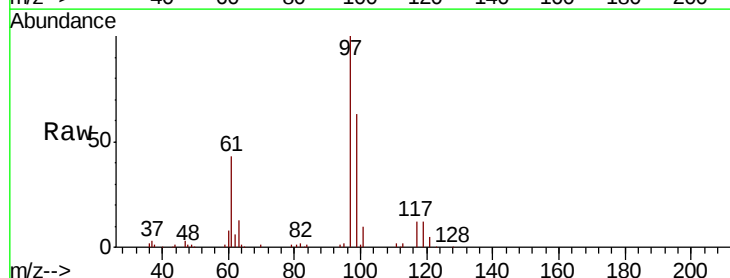
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

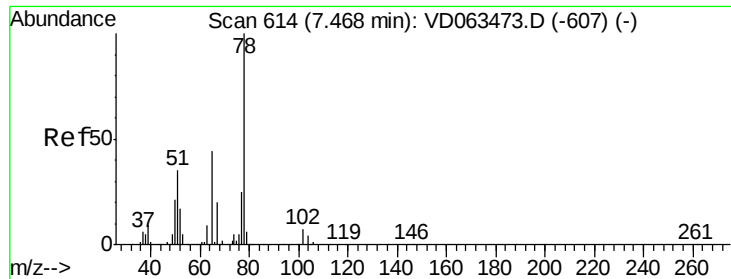
Tgt Ion: 56 Resp: 171029
Ion Ratio Lower Upper
56 100
69 32.4 25.0 37.6
84 87.2 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 22.740 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 97 Resp: 357893
Ion Ratio Lower Upper
97 100
99 63.4 50.2 75.4
61 43.4 33.1 49.7

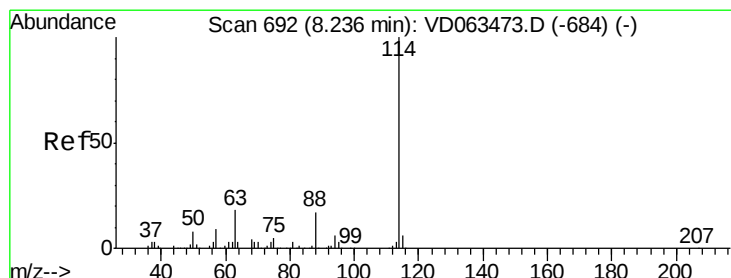
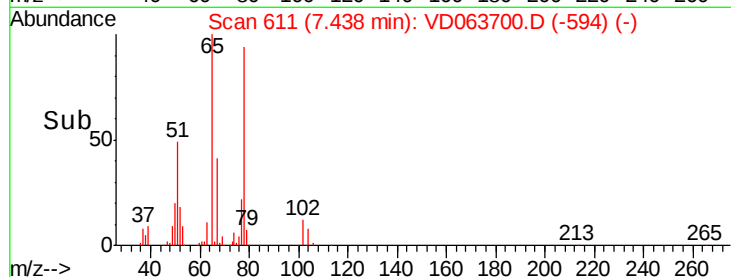
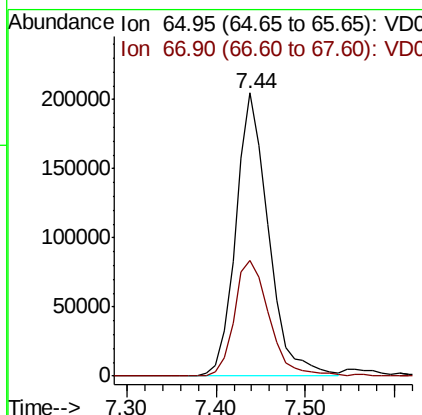
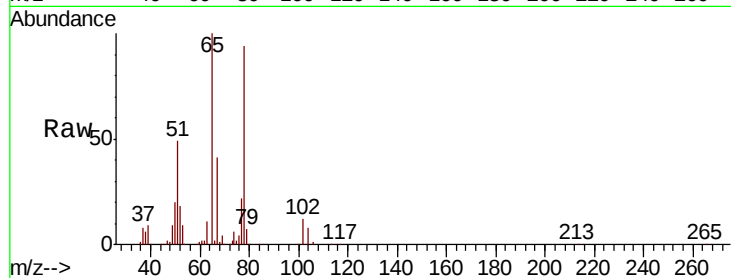




#33
 1,2-Dichloroethane-d4
 Concen: 57.281 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

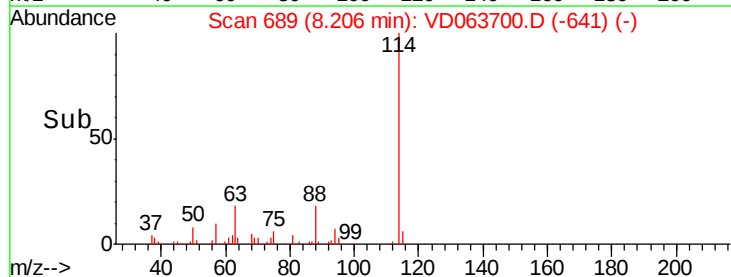
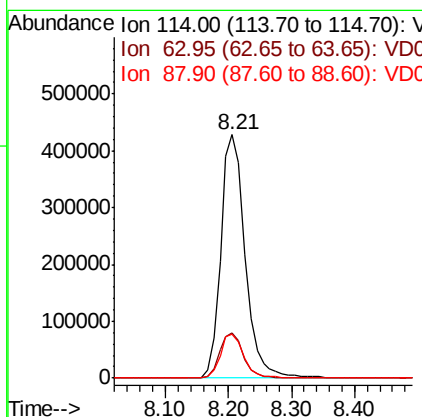
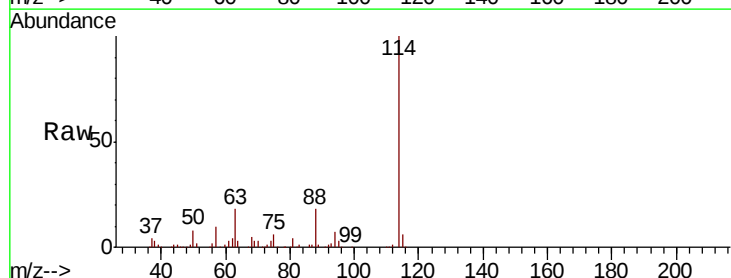
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

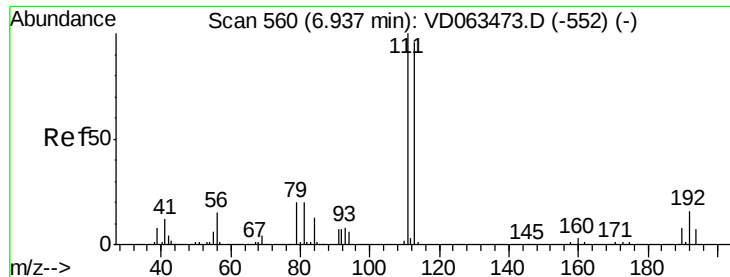
Tgt Ion: 65 Resp: 521304
 Ion Ratio Lower Upper
 65 100
 67 40.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion: 114 Resp: 1146281
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.2
 88 18.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 57.245 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

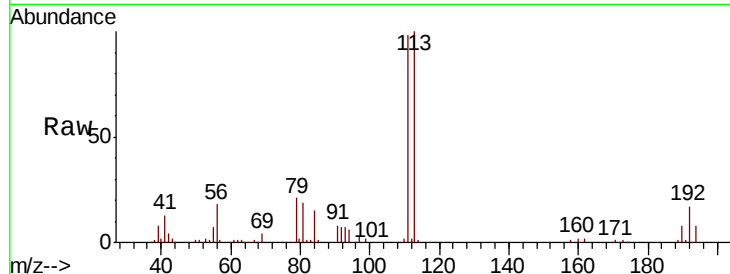
Tgt Ion:113 Resp: 552648

Ion Ratio Lower Upper

113 100

111 97.7 83.1 124.7

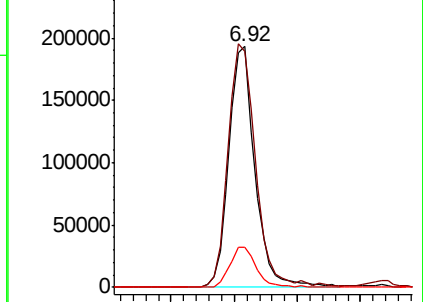
192 16.8 13.1 19.7



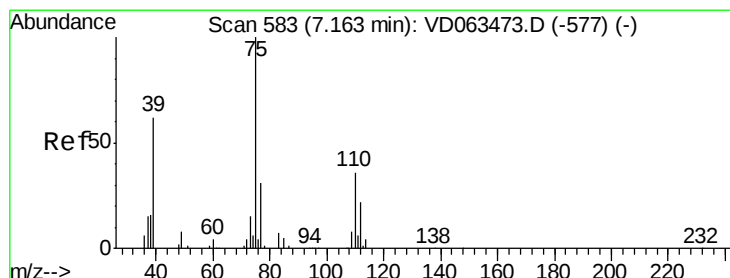
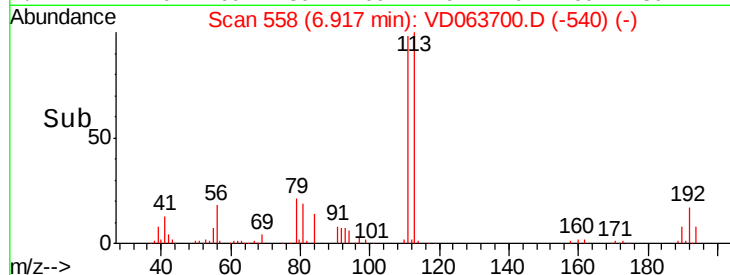
Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



Time-->



#36

1,1-Dichloropropene

Concen: 22.549 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

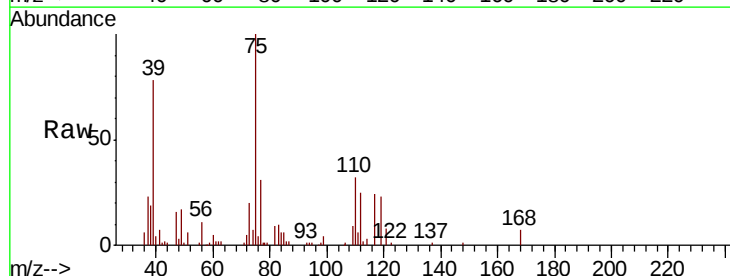
Tgt Ion: 75 Resp: 228502

Ion Ratio Lower Upper

75 100

110 32.4 17.6 52.8

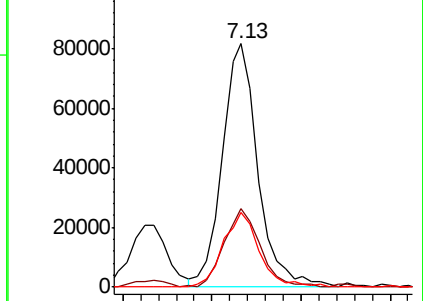
77 30.5 24.3 36.5



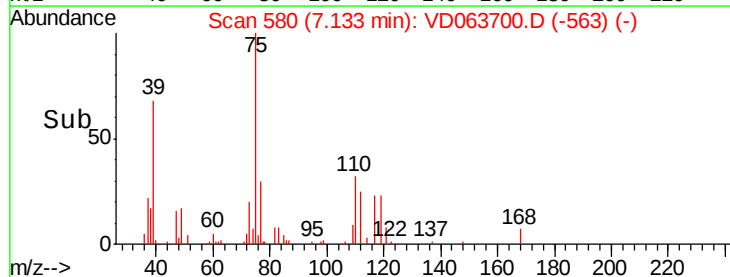
Abundance Ion 75.00 (74.70 to 75.70): V

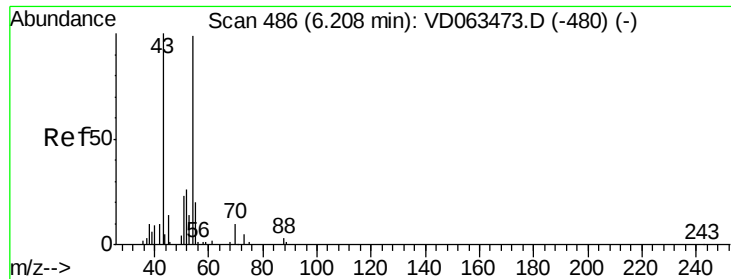
Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



Time-->

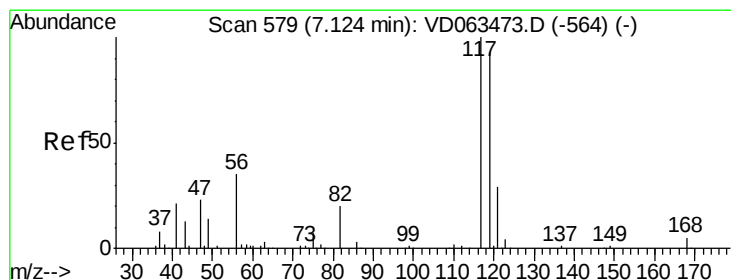
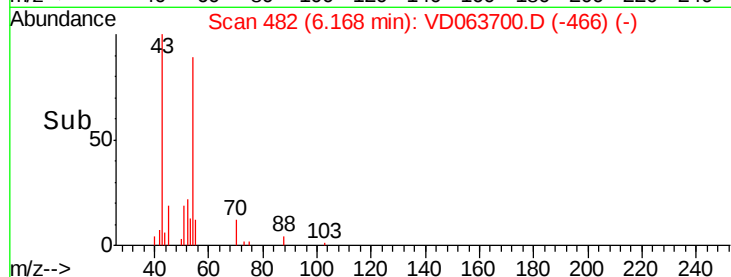
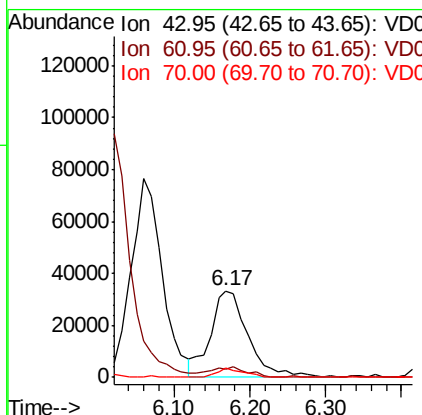
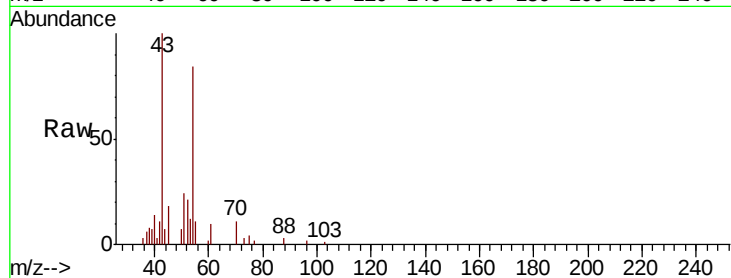




#37
 Ethyl Acetate
 Concen: 27.166 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.04 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

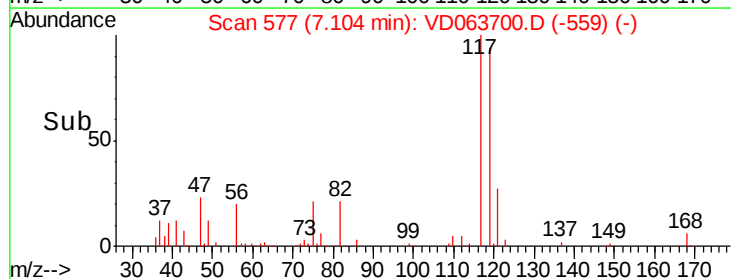
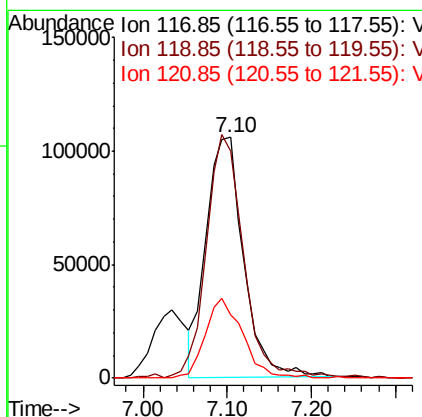
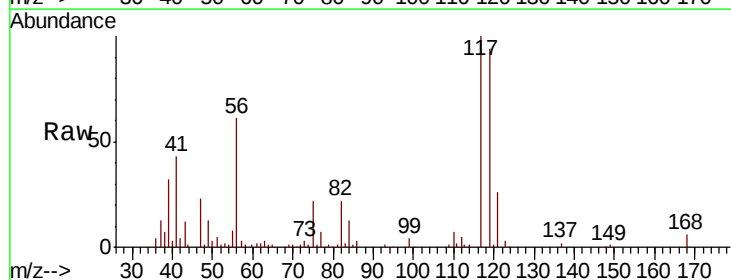
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

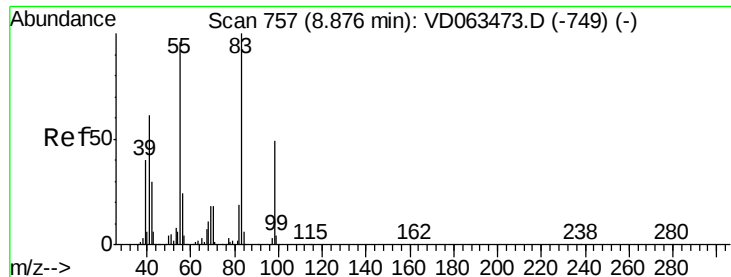
Tgt Ion: 43 Resp: 115352
 Ion Ratio Lower Upper
 43 100
 61 9.9 9.0 13.6
 70 11.1 6.9 10.3#



#38
 Carbon Tetrachloride
 Concen: 21.345 ug/l
 RT: 7.10 min Scan# 577
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion: 117 Resp: 325986
 Ion Ratio Lower Upper
 117 100
 119 94.2 74.2 111.2
 121 26.3 23.1 34.7

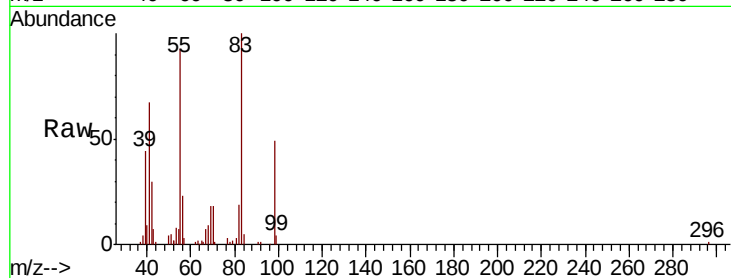




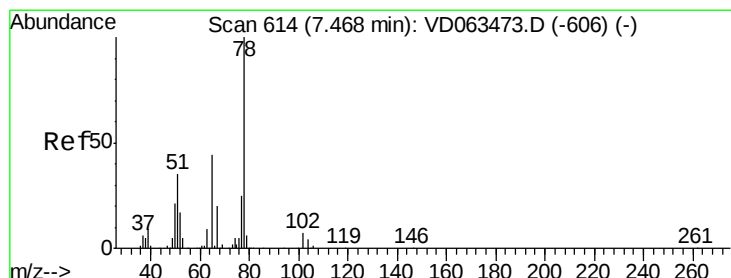
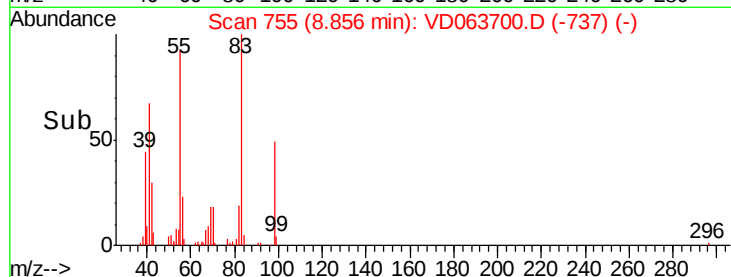
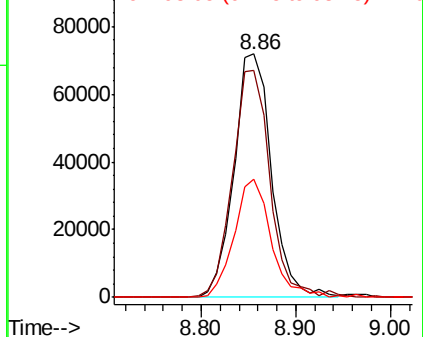
#39
Methylcyclohexane
Concen: 23.003 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion: 83 Resp: 198212
Ion Ratio Lower Upper
83 100
55 93.5 76.6 114.8
98 48.7 39.4 59.0

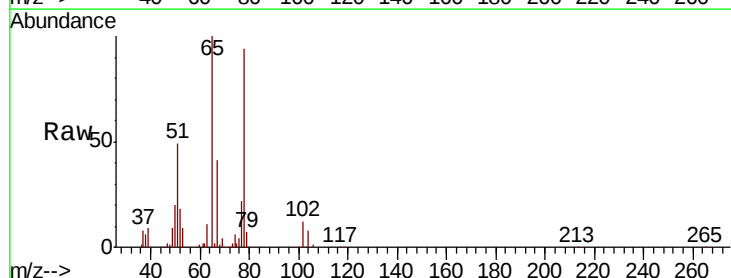


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

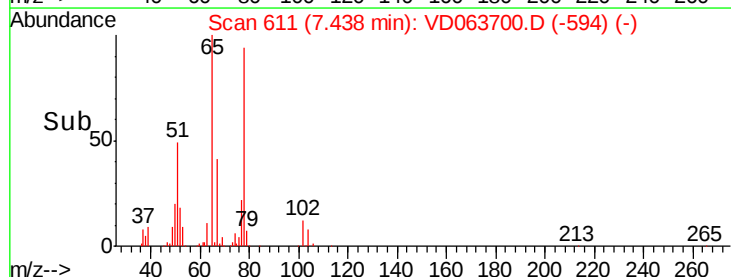
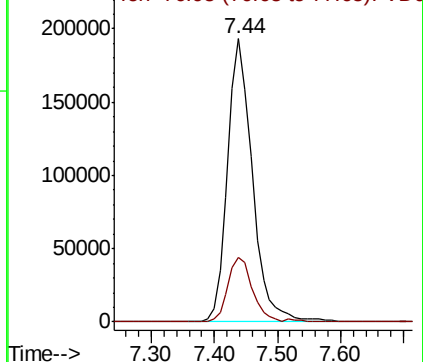


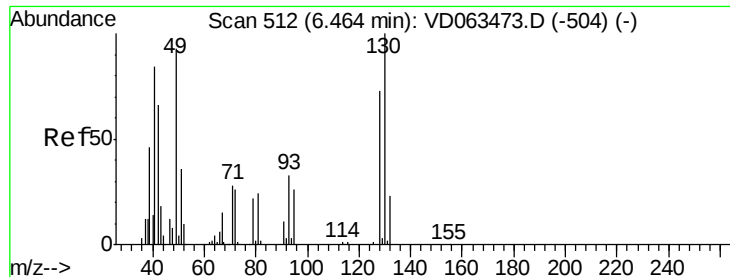
#40
Benzene
Concen: 23.595 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 78 Resp: 526169
Ion Ratio Lower Upper
78 100
77 22.9 20.1 30.1



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





#41

Methacrylonitrile

Concen: 26.158 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

Tgt Ion: 41 Resp: 139852

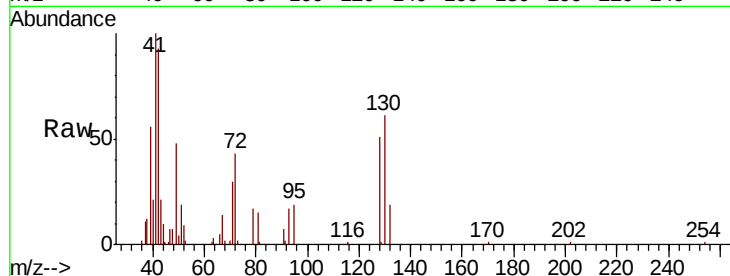
Ion Ratio Lower Upper

41 100

39 56.4 44.6 66.8

67 14.1 14.4 21.6#

52 9.2 9.3 13.9#

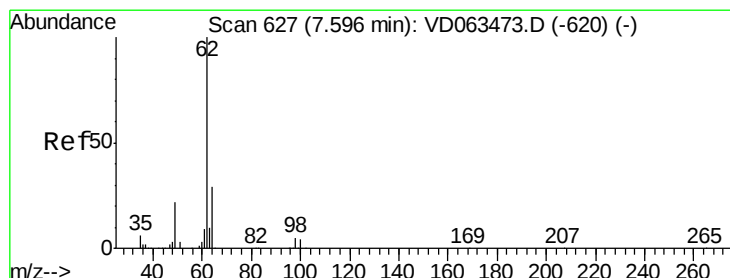
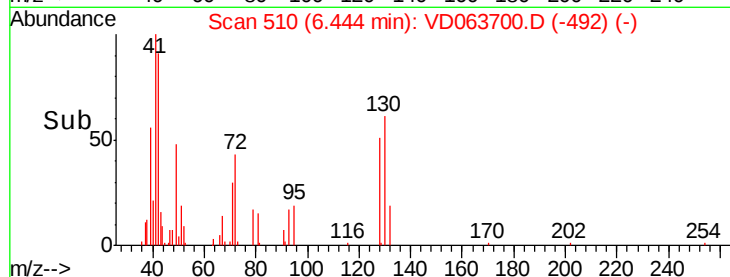
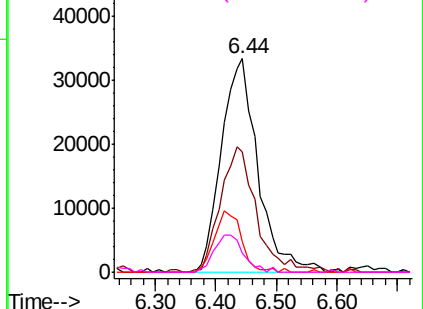


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 25.472 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063700.D

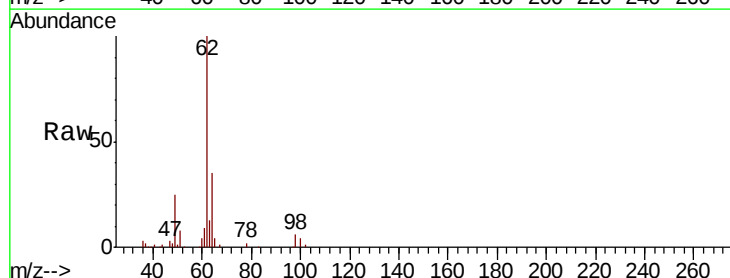
Acq: 21 Aug 2019 00:10

Tgt Ion: 62 Resp: 285623

Ion Ratio Lower Upper

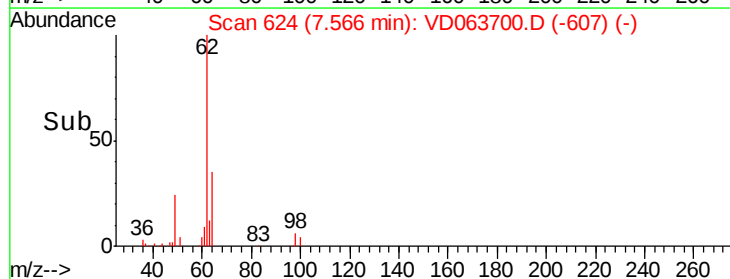
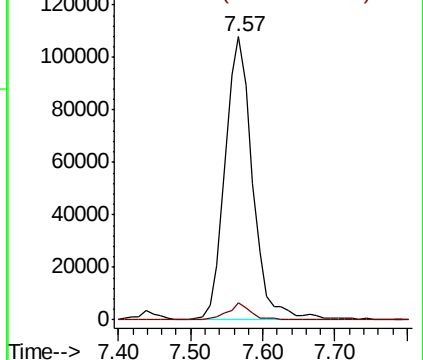
62 100

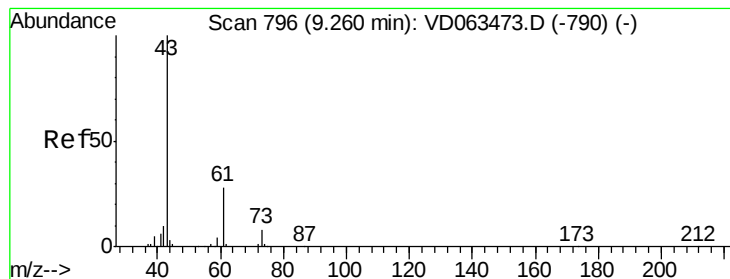
98 6.1 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 26.696 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

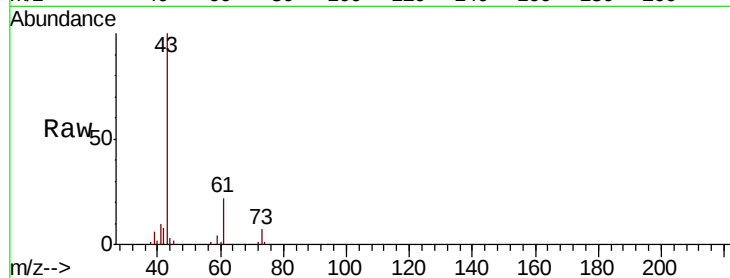
Tgt Ion: 43 Resp: 151818

Ion Ratio Lower Upper

43 100

61 22.0 22.2 33.2#

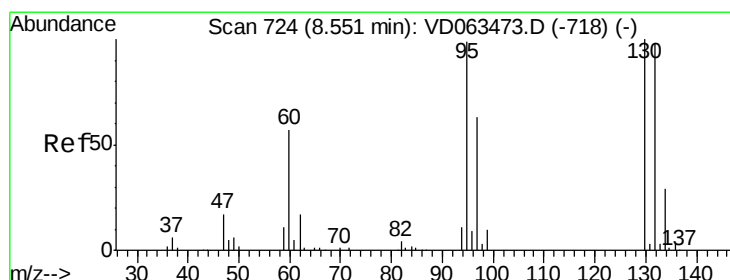
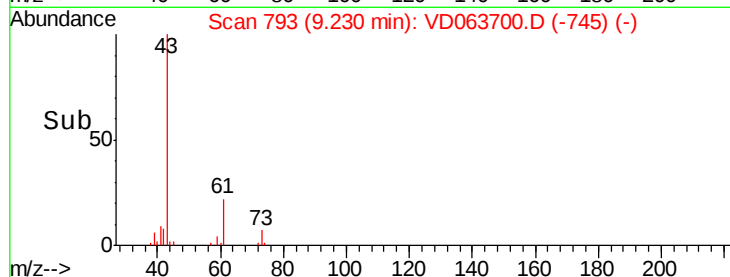
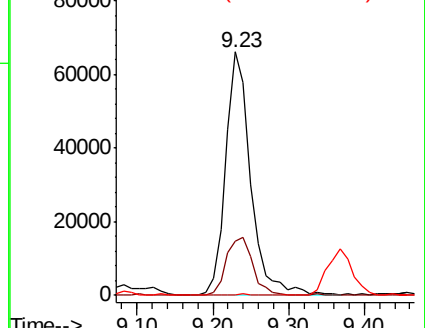
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.575 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063700.D

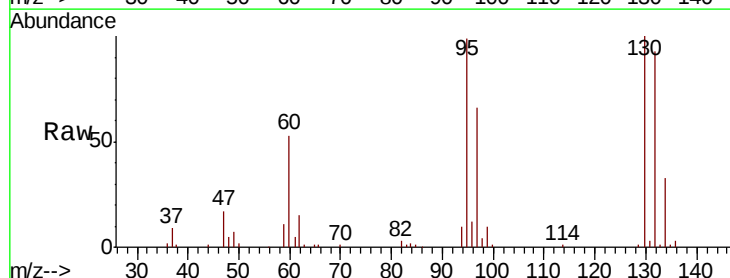
Acq: 21 Aug 2019 00:10

Tgt Ion: 130 Resp: 192416

Ion Ratio Lower Upper

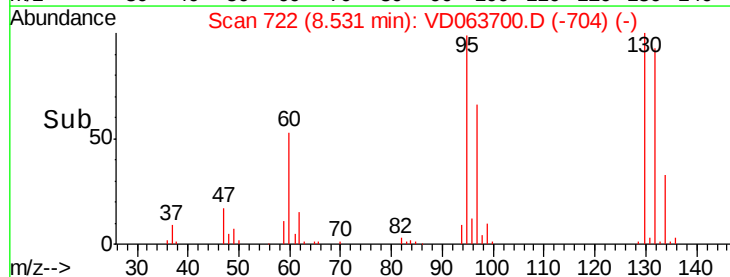
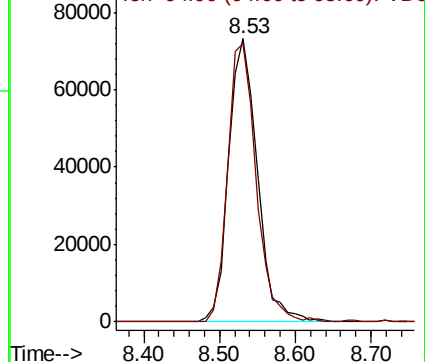
130 100

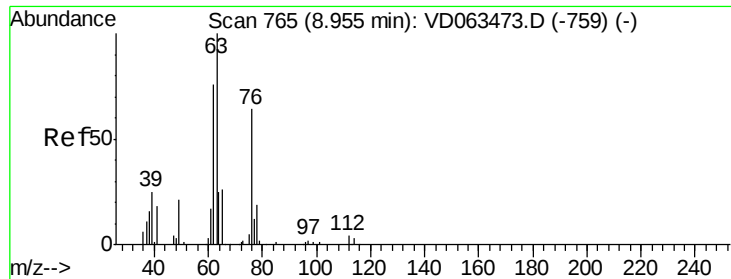
95 98.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 25.940 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

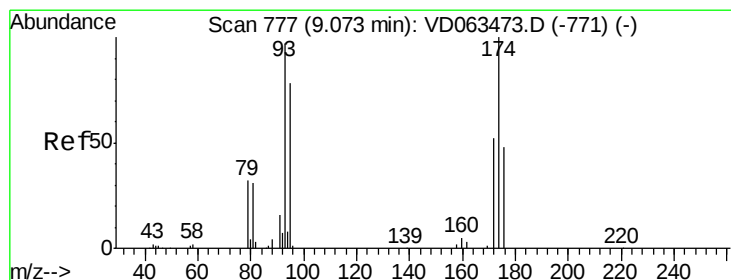
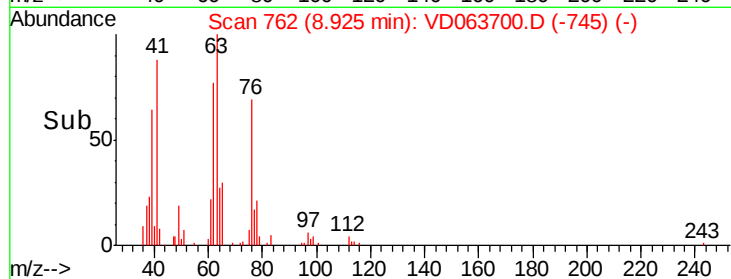
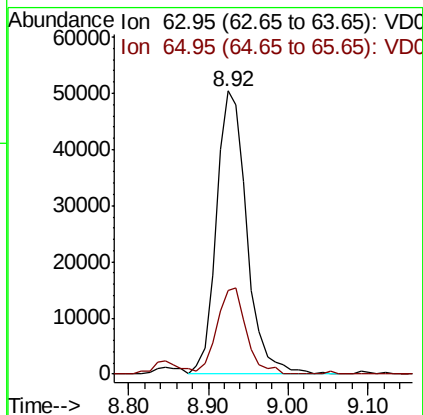
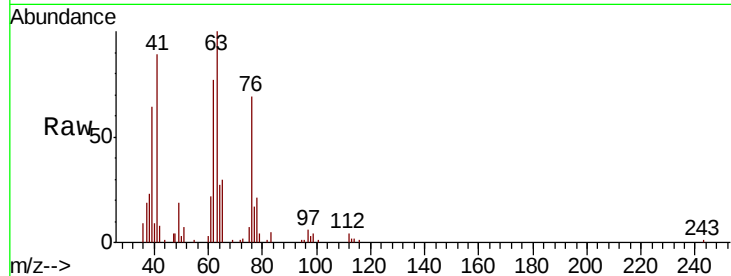
VD0820SBS02

Tgt Ion: 63 Resp: 134708

Ion Ratio Lower Upper

63 100

65 29.7 22.5 33.7



#46

Dibromomethane

Concen: 27.590 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

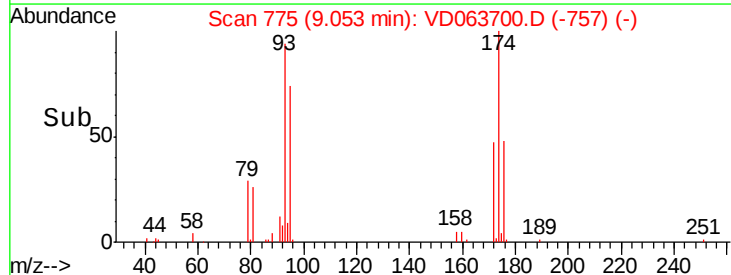
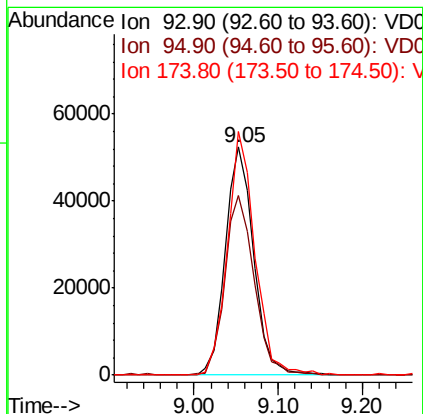
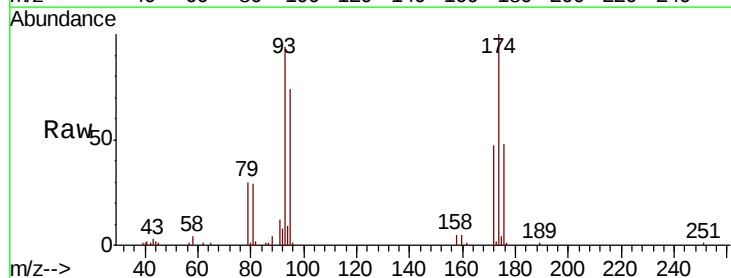
Tgt Ion: 93 Resp: 122357

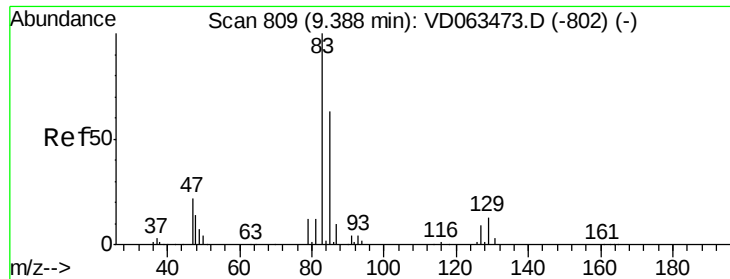
Ion Ratio Lower Upper

93 100

95 78.8 64.2 96.2

174 106.8 82.1 123.1





#47

Bromodichloromethane

Concen: 25.900 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

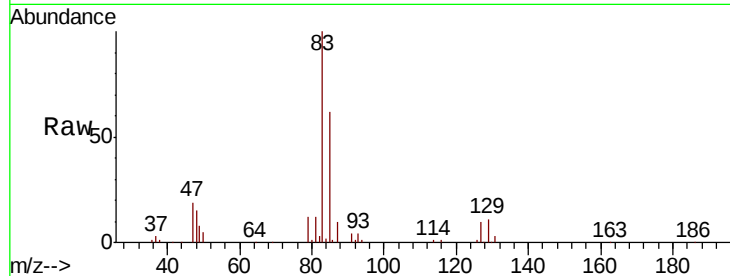
Tgt Ion: 83 Resp: 294631

Ion Ratio Lower Upper

83 100

85 61.8 50.1 75.1

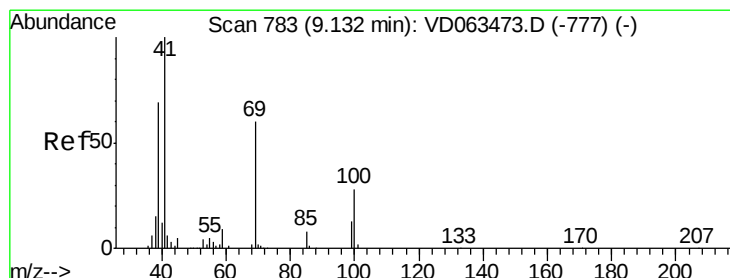
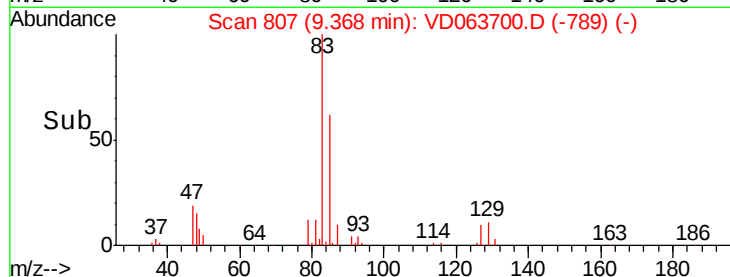
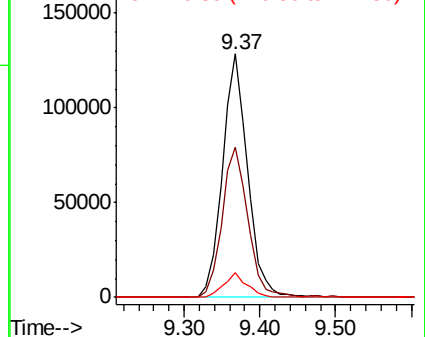
127 10.0 7.6 11.4



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: 24.739 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

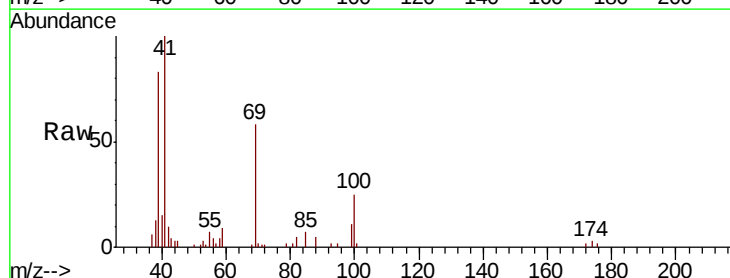
Tgt Ion: 41 Resp: 95415

Ion Ratio Lower Upper

41 100

69 58.1 47.6 71.4

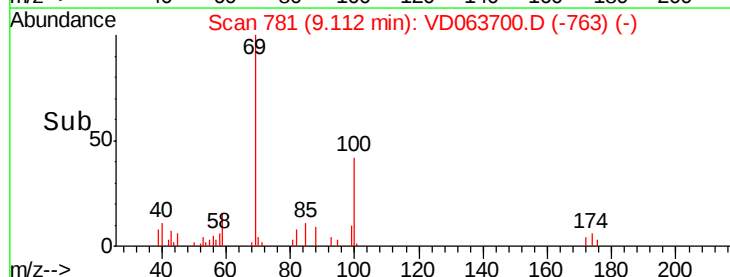
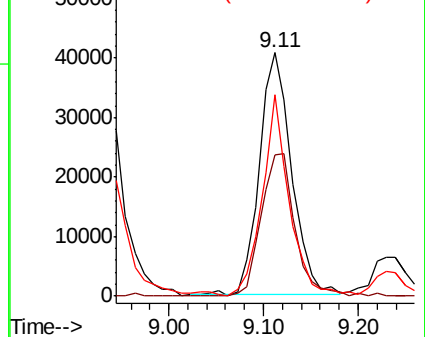
39 82.8 55.7 83.5

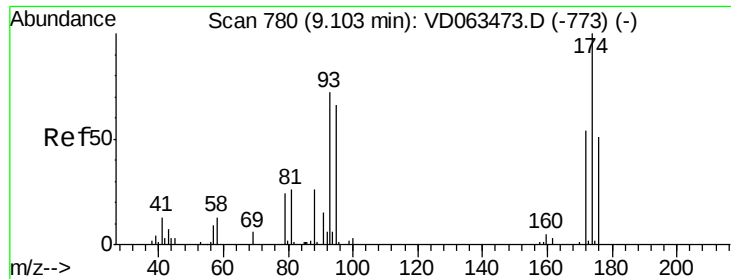


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 548.690 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

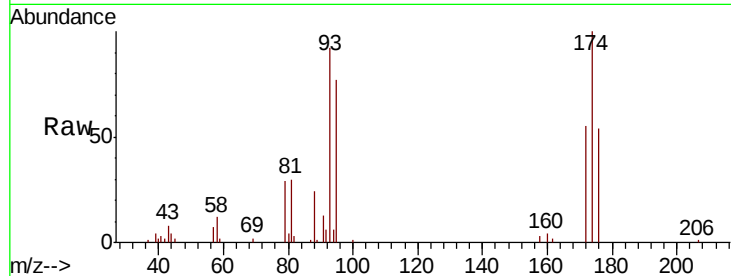
Tgt Ion: 88 Resp: 18503

Ion Ratio Lower Upper

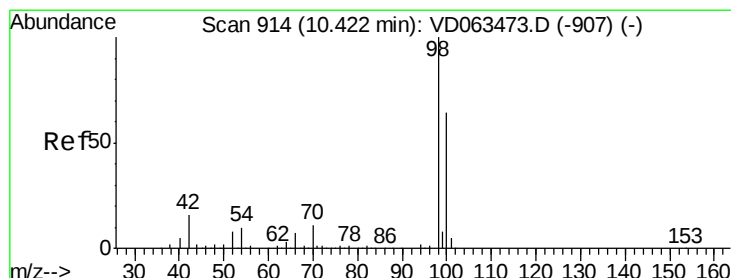
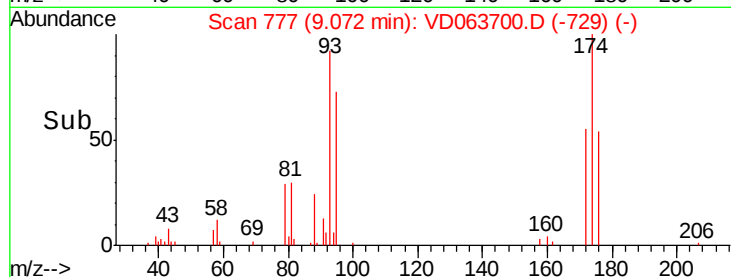
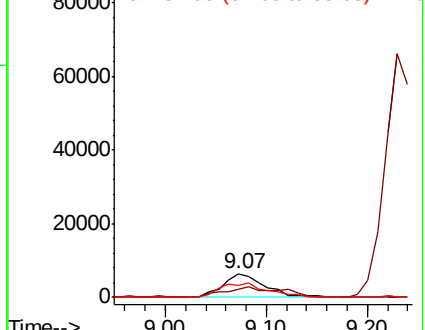
88 100

43 32.9 22.9 34.3

58 50.8 40.1 60.1



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: 55.968 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063700.D

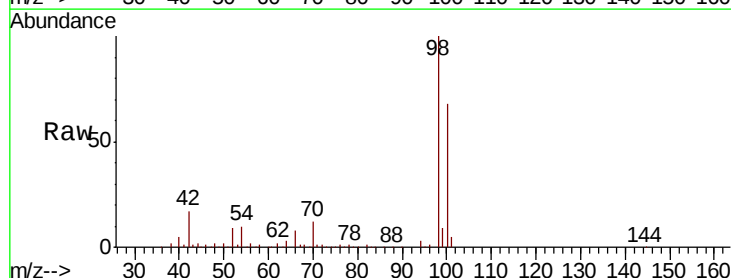
Acq: 21 Aug 2019 00:10

Tgt Ion: 98 Resp: 1187909

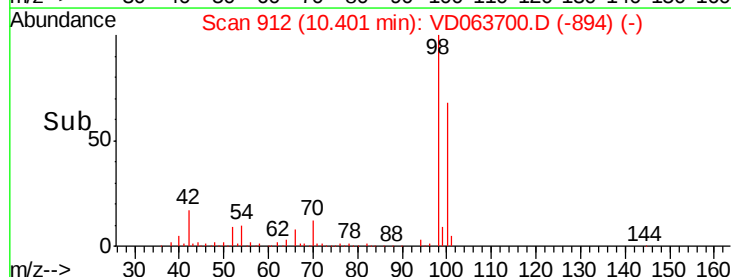
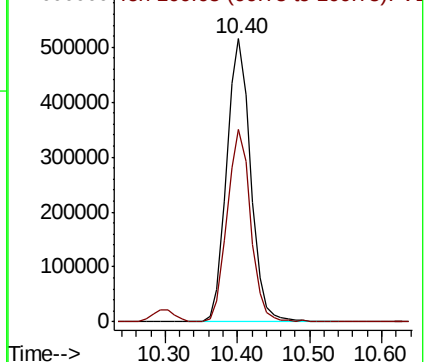
Ion Ratio Lower Upper

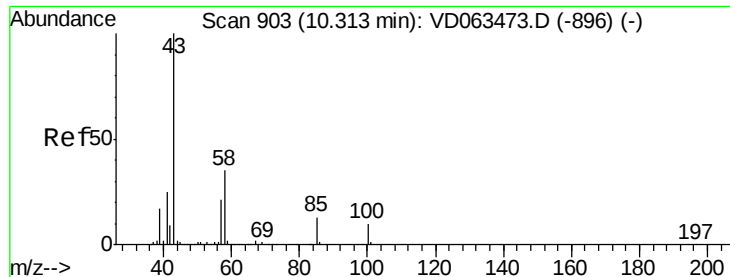
98 100

100 68.1 51.7 77.5



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

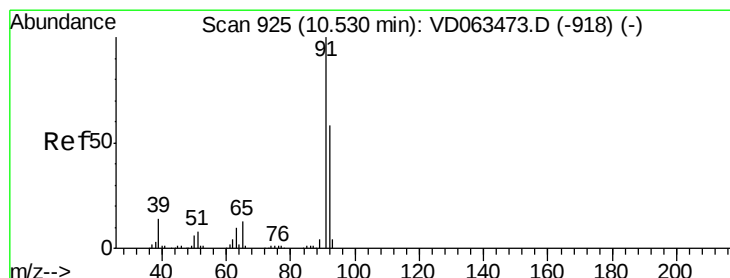
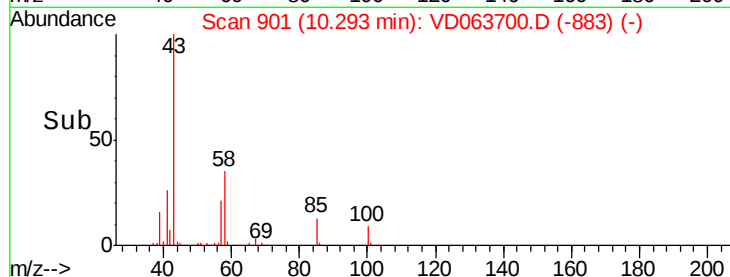
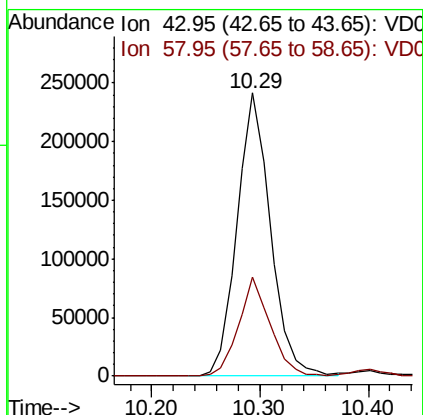
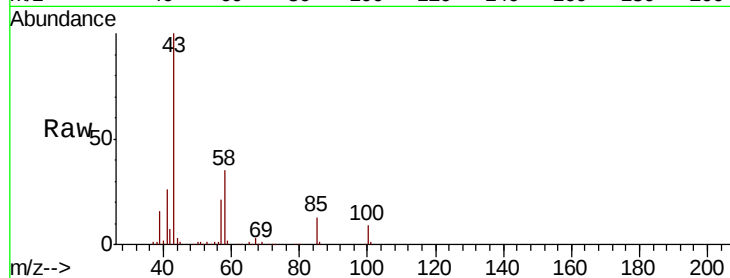




#51
 4-Methyl-2-Pentanone
 Concen: 133.211 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

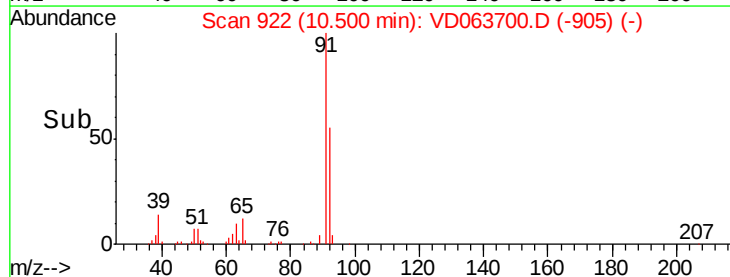
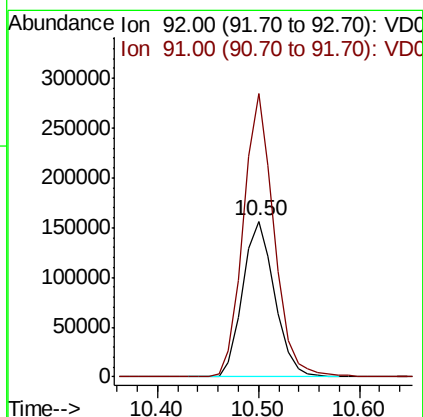
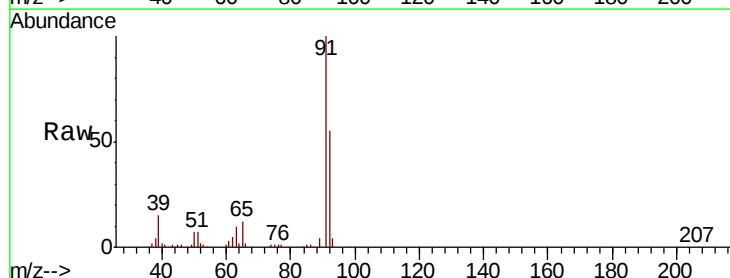
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

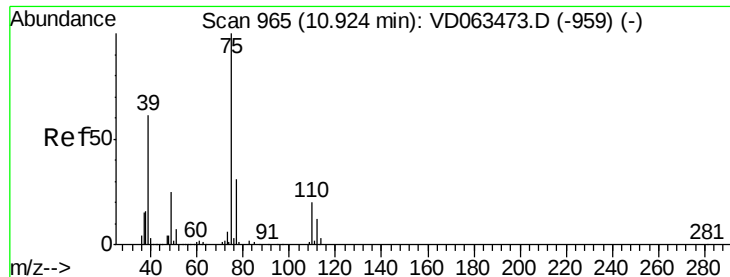
Tgt Ion: 43 Resp: 518385
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.0 42.0



#52
 Toluene
 Concen: 24.146 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion: 92 Resp: 346813
 Ion Ratio Lower Upper
 92 100
 91 181.9 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 24.935 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

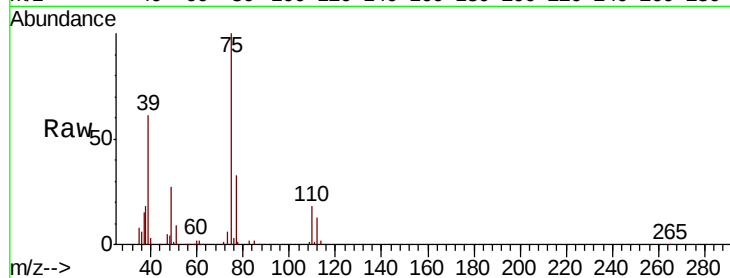
VD0820SBS02

Tgt Ion: 75 Resp: 231488

Ion Ratio Lower Upper

75 100

77 33.1 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

120000

100000

80000

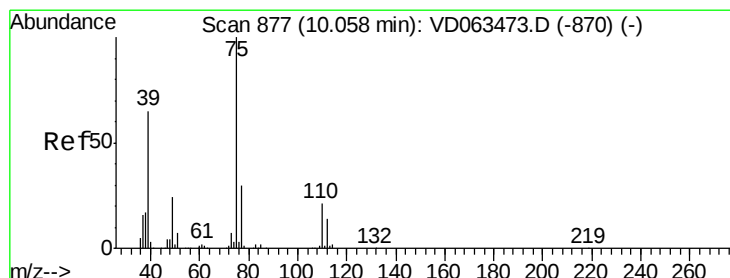
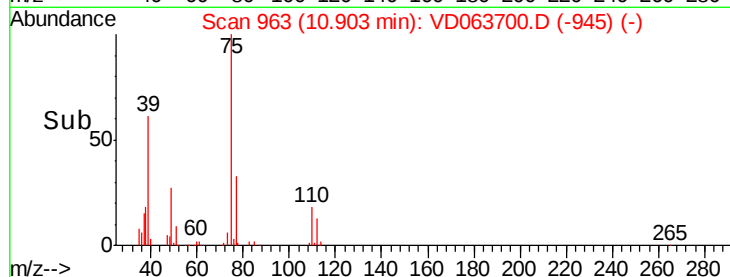
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 24.838 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

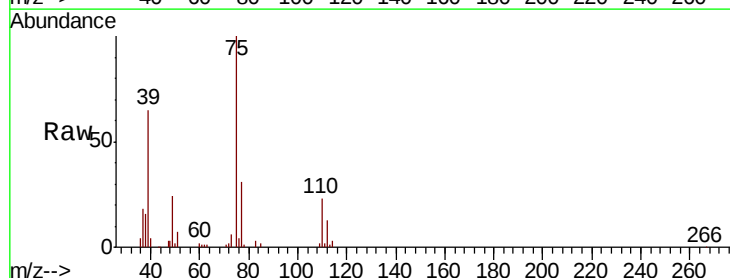
Tgt Ion: 75 Resp: 260013

Ion Ratio Lower Upper

75 100

77 30.8 23.7 35.5

39 64.9 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

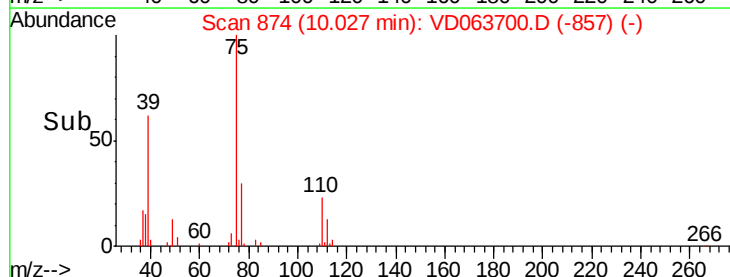
150000

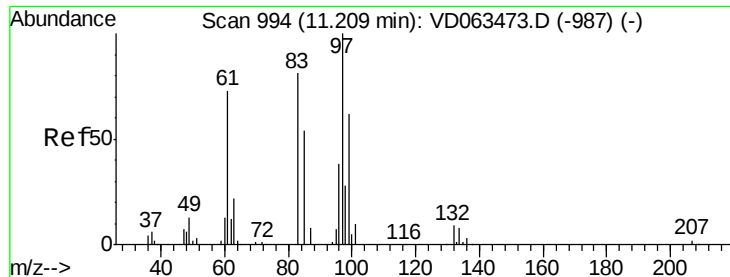
100000

50000

0

Time--> 9.90 10.00 10.10 10.20

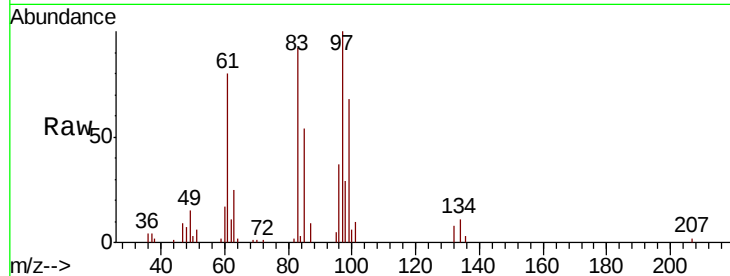




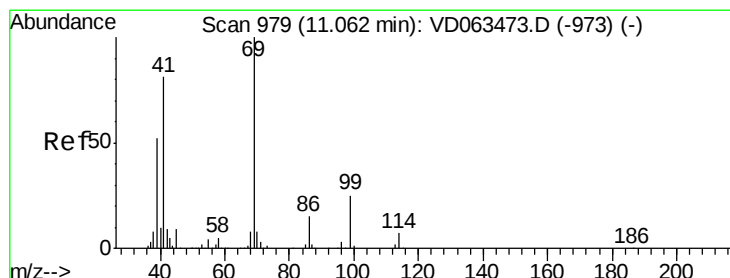
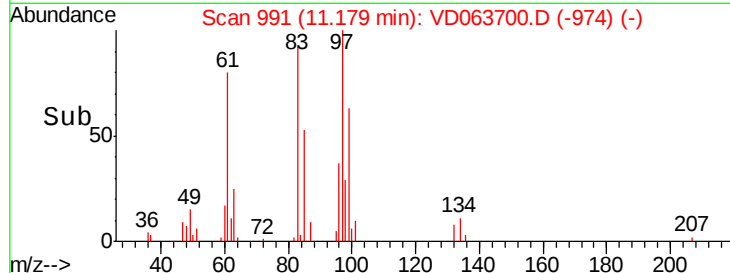
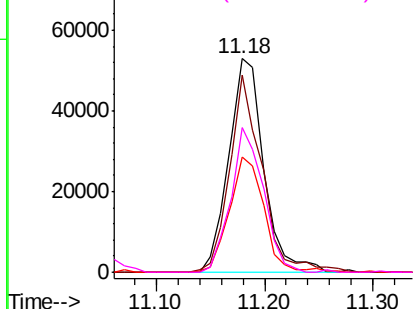
#55
 1,1,2-Trichloroethane
 Concen: 24.668 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tgt Ion:	97	Resp:	119684
Ion	Ratio	Lower	Upper
97	100		
83	92.2	64.7	97.1
85	54.2	42.9	64.3
99	67.9	49.7	74.5

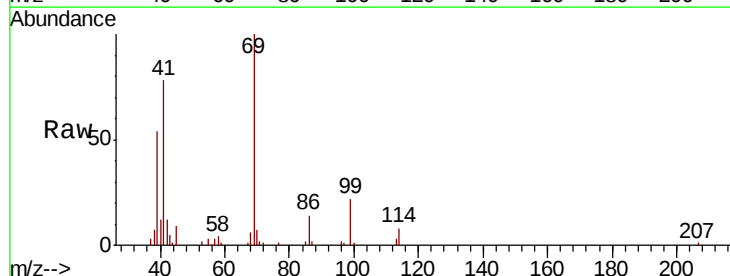


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

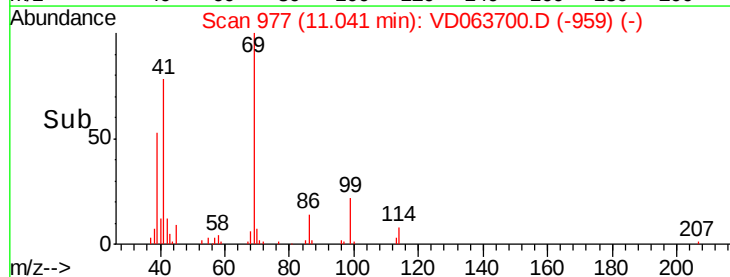
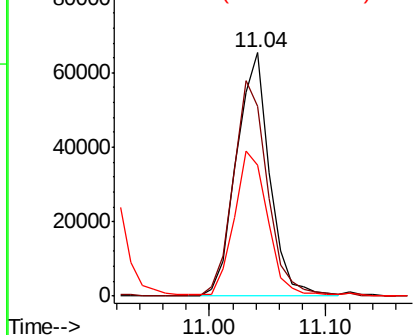


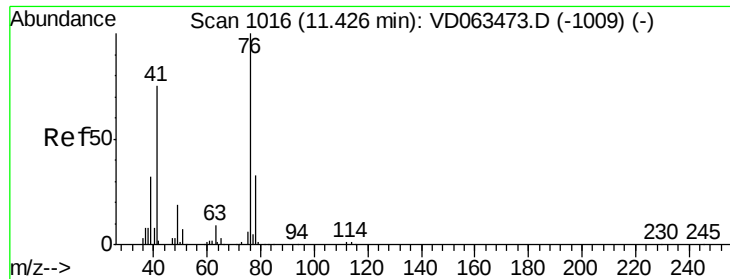
#56
 Ethyl methacrylate
 Concen: 24.581 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion:	69	Resp:	129449
Ion	Ratio	Lower	Upper
69	100		
41	78.0	64.8	97.2
39	53.6	42.4	63.6



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: 26.131 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

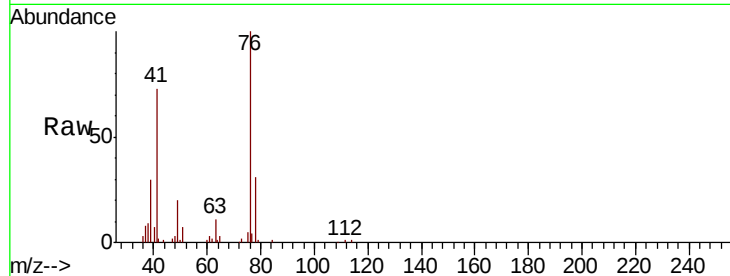
VD0820SBS02

Tgt Ion: 76 Resp: 191644

Ion Ratio Lower Upper

76 100

78 30.9 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

100000

80000

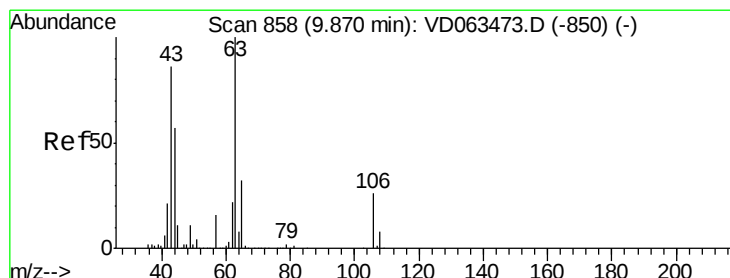
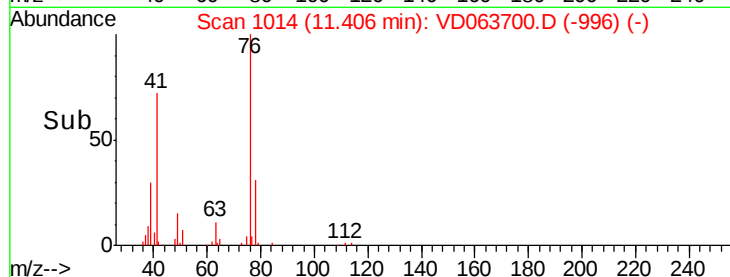
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 119.375 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063700.D

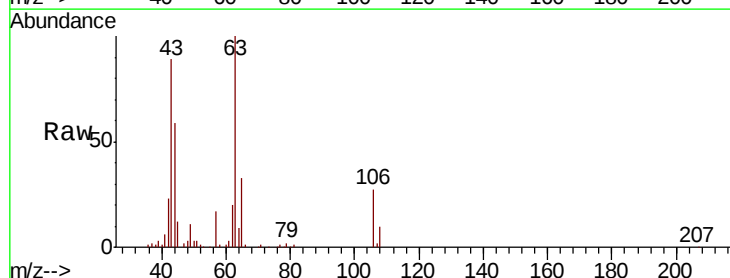
Acq: 21 Aug 2019 00:10

Tgt Ion: 63 Resp: 331885

Ion Ratio Lower Upper

63 100

106 26.7 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.85

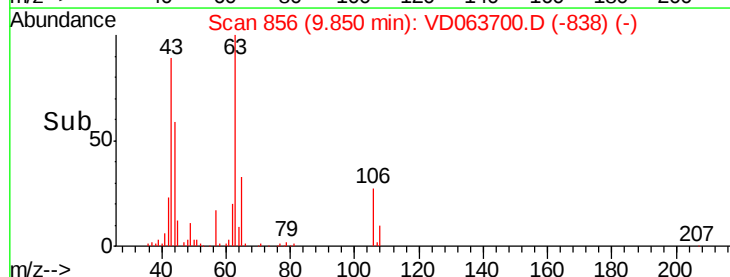
150000

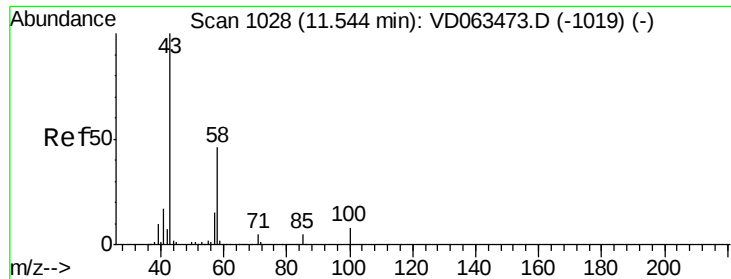
100000

50000

0

Time-->

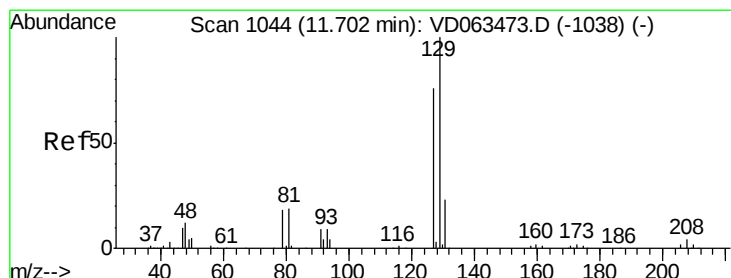
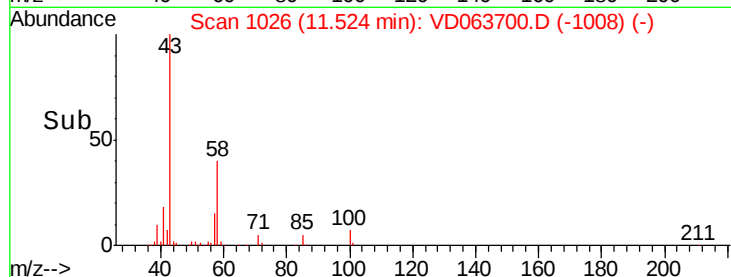
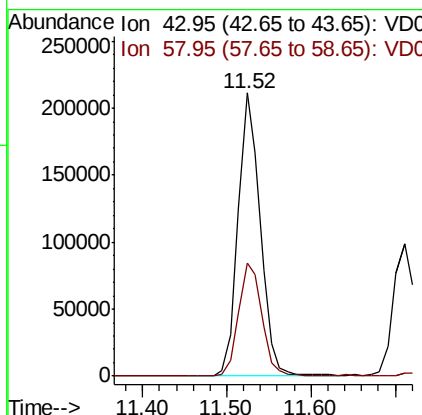
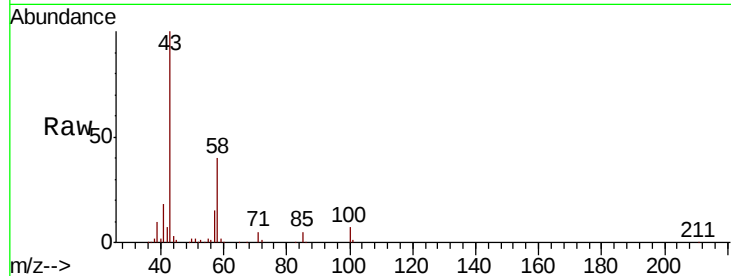




#59
2-Hexanone
Concen: 137.605 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

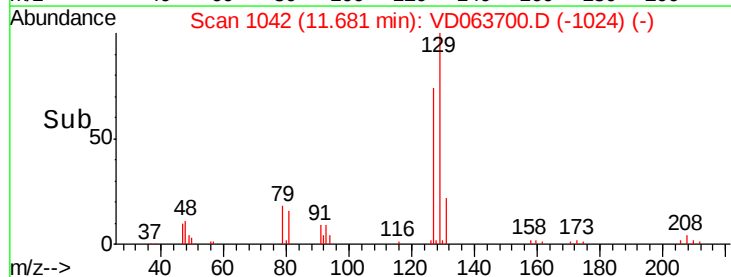
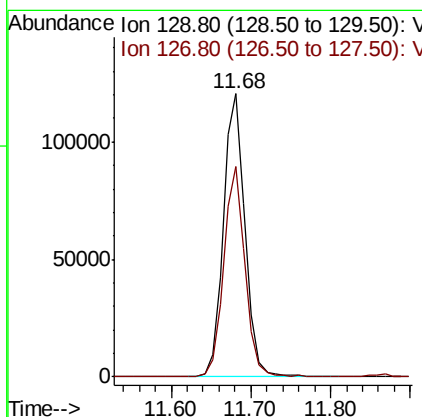
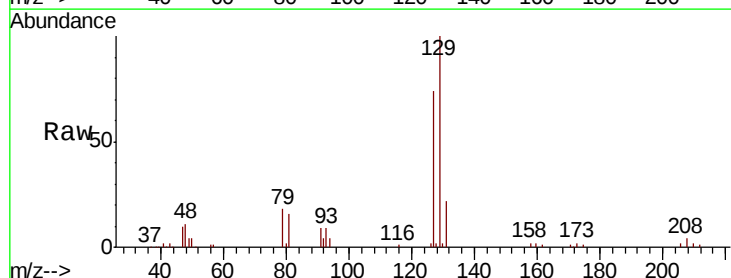
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

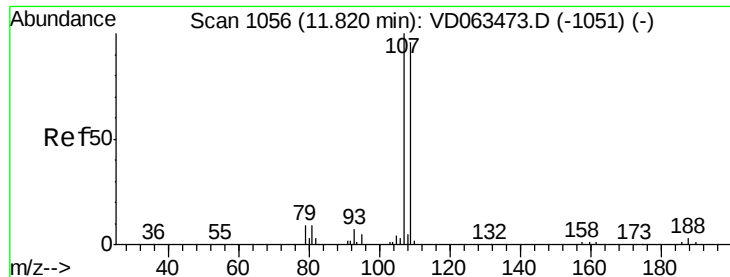
Tgt Ion: 43 Resp: 389634
Ion Ratio Lower Upper
43 100
58 40.2 23.1 69.2



#60
Dibromochloromethane
Concen: 26.070 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 129 Resp: 230164
Ion Ratio Lower Upper
129 100
127 74.4 37.8 113.4

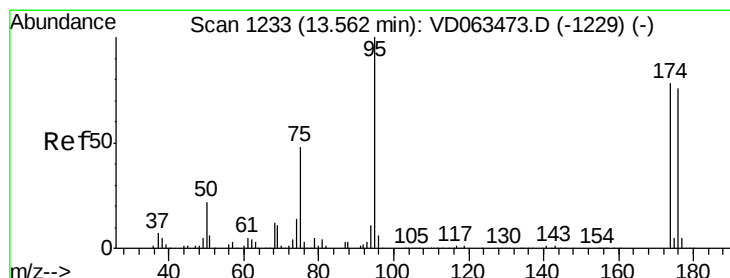
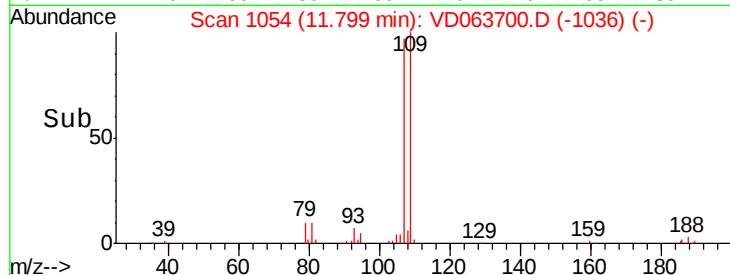
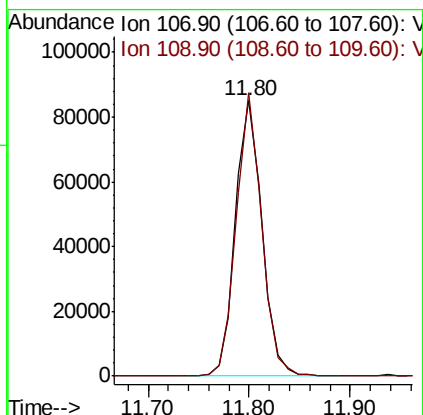
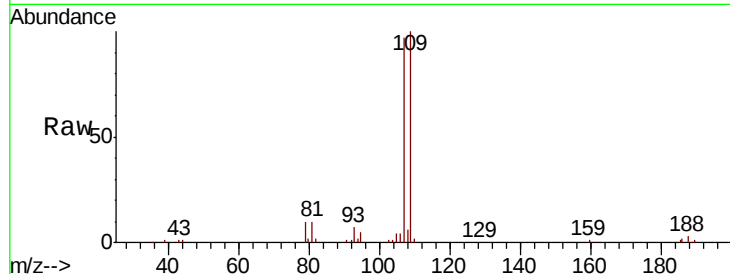




#61
 1,2-Dibromoethane
 Concen: 26.505 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

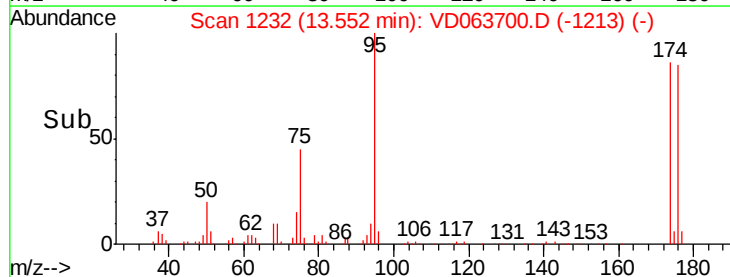
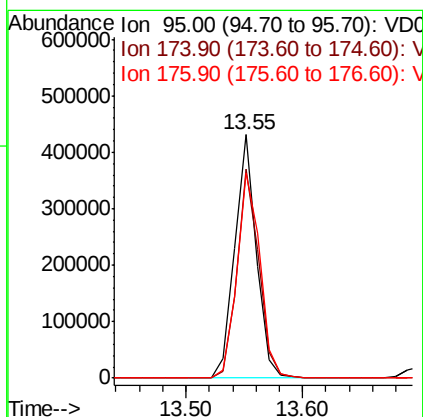
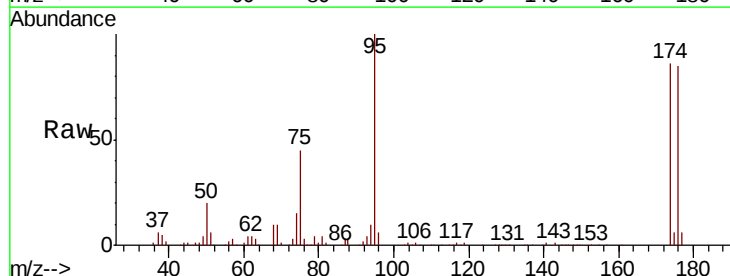
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

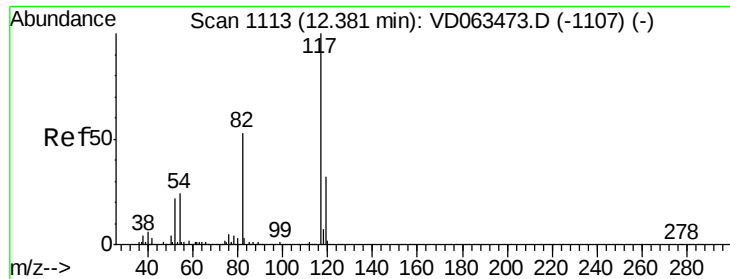
Tgt Ion: 107 Resp: 155679
 Ion Ratio Lower Upper
 107 100
 109 102.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 57.543 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion: 95 Resp: 553565
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 155.4
 176 84.5 0.0 152.4

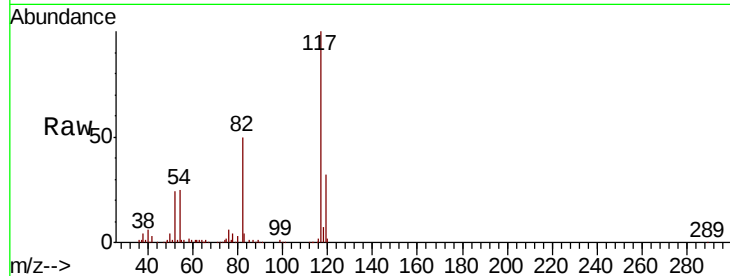




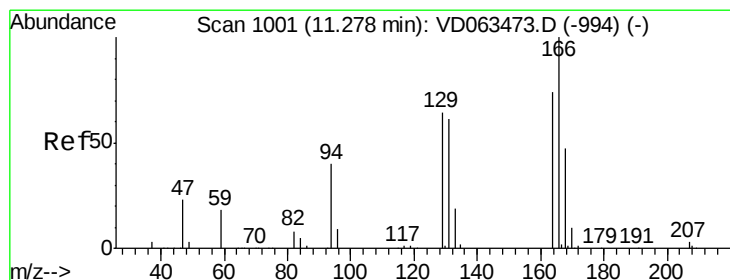
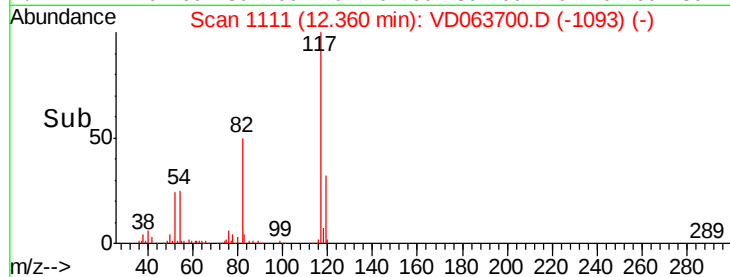
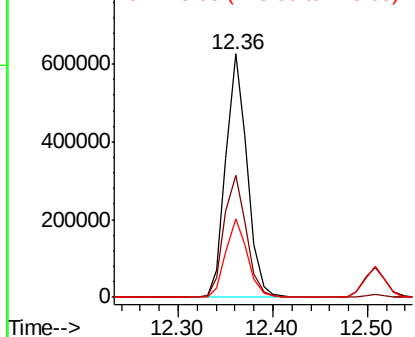
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion:117 Resp: 981056
Ion Ratio Lower Upper
117 100
82 49.9 42.0 63.0
119 32.4 25.4 38.0

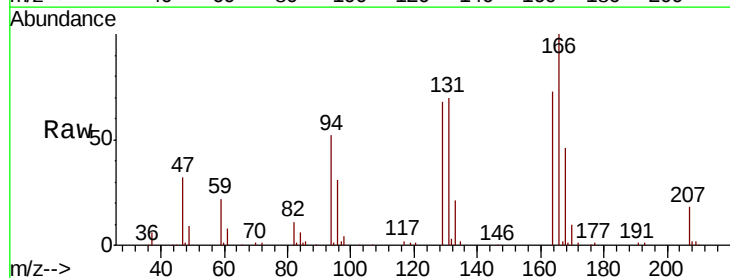


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

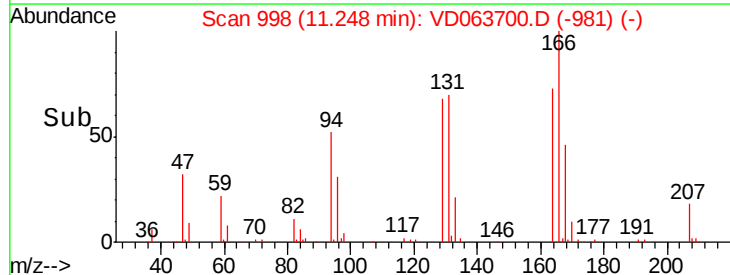
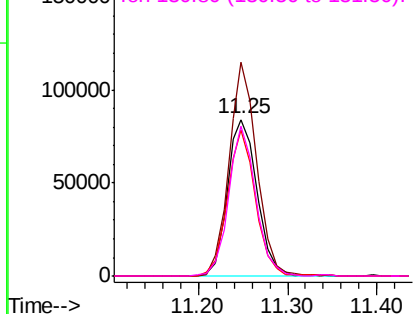


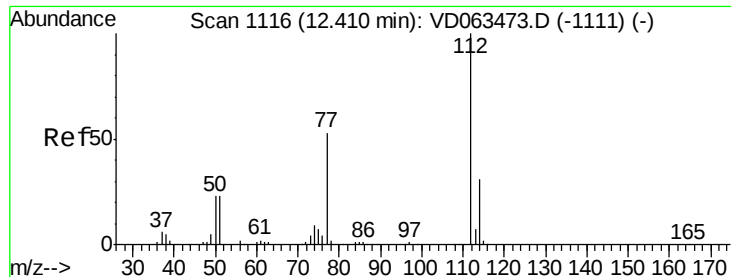
#64
Tetrachloroethene
Concen: 25.880 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion:164 Resp: 195999
Ion Ratio Lower Upper
164 100
166 136.3 108.6 163.0
129 93.2 69.0 103.6
131 95.5 66.6 99.8



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

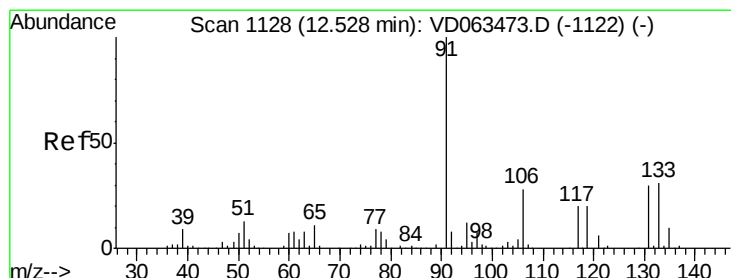
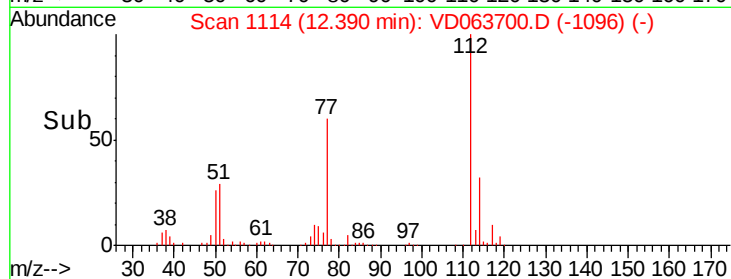
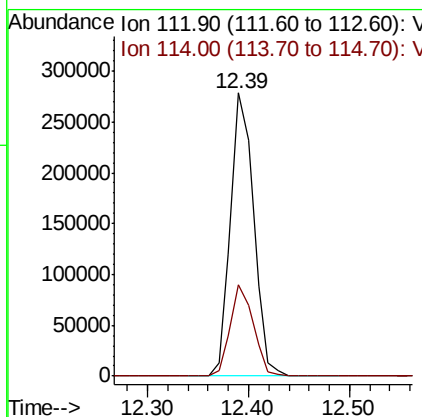
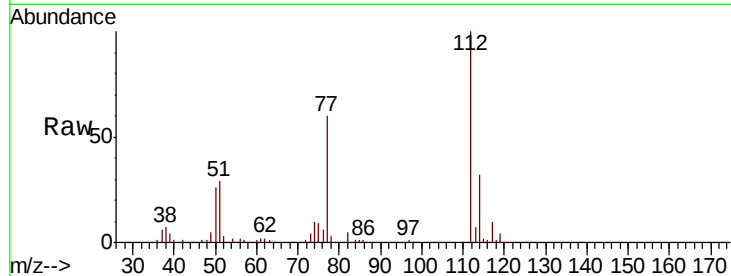




#65
Chlorobenzene
Concen: 24.306 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

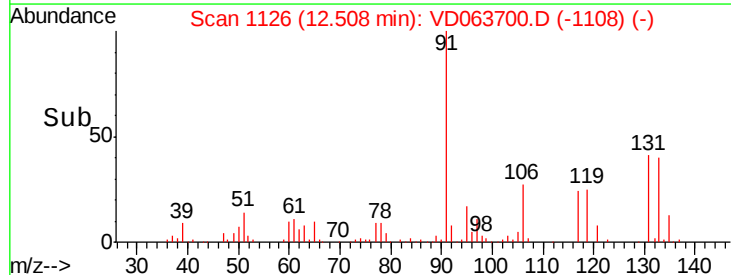
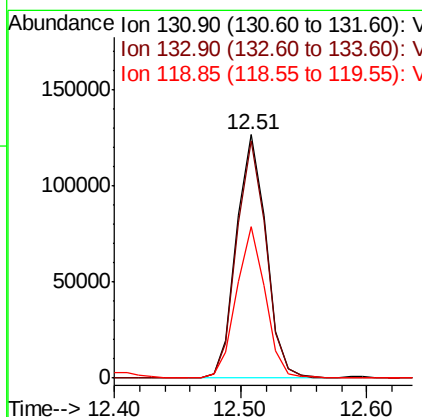
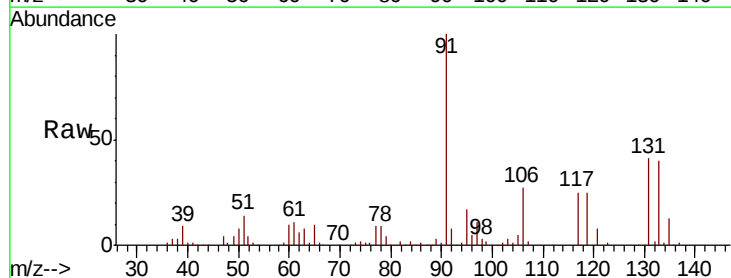
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion:112 Resp: 446923
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 25.434 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion:131 Resp: 205814
Ion Ratio Lower Upper
131 100
133 97.6 51.1 153.3
119 62.4 33.1 99.3

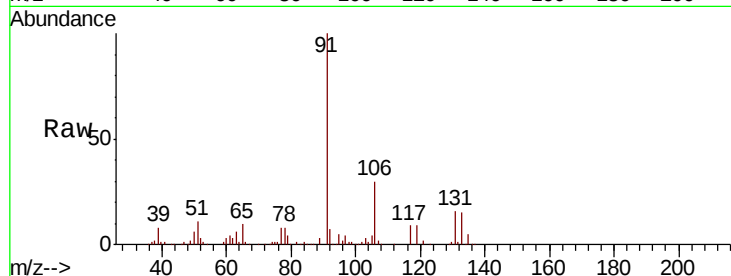




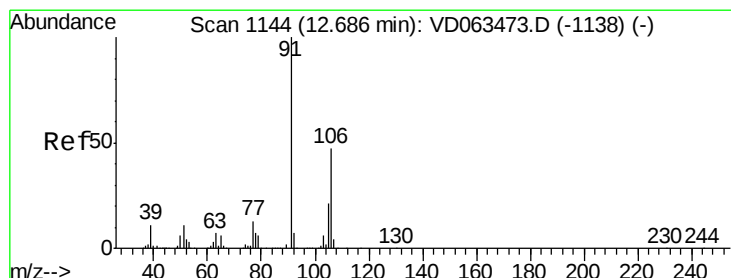
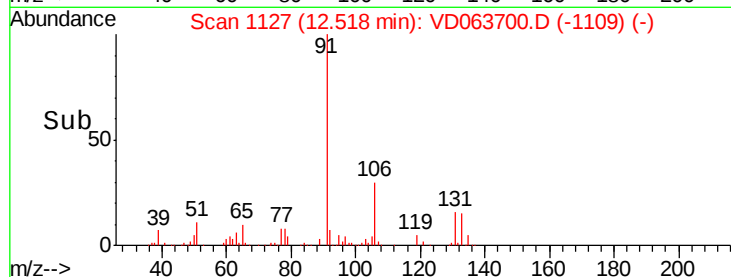
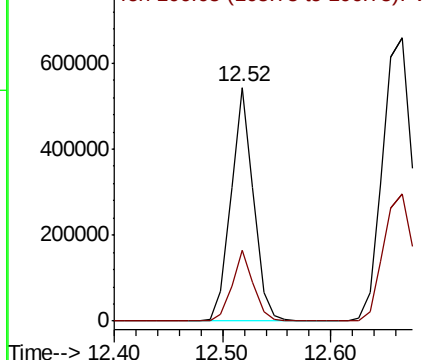
#67
Ethyl Benzene
Concen: 24.579 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion: 91 Resp: 785824
Ion Ratio Lower Upper
91 100
106 30.3 23.1 34.7

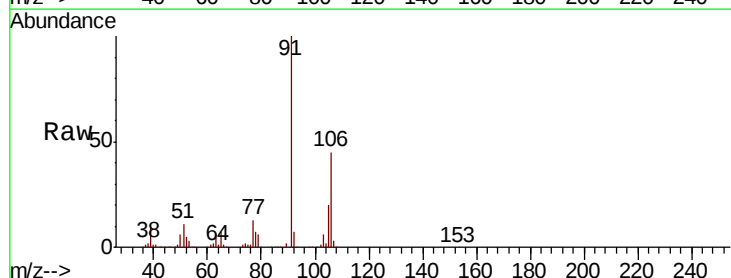


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

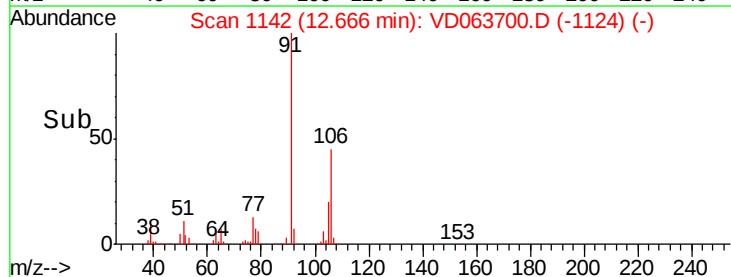
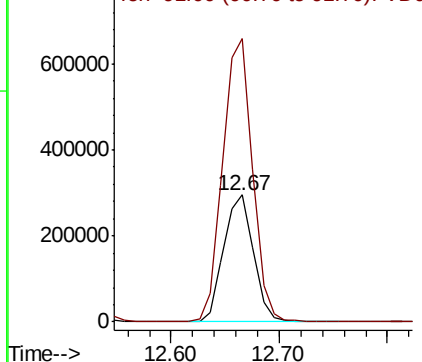


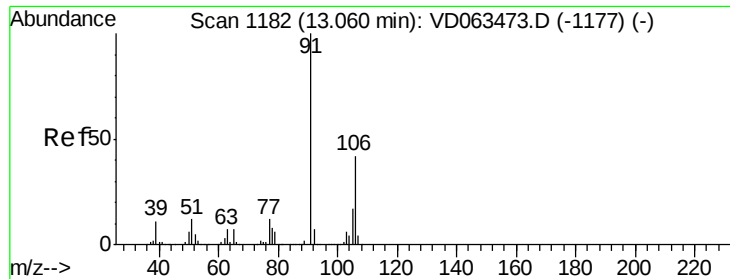
#68
m/p-Xylenes
Concen: 50.408 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 106 Resp: 566201
Ion Ratio Lower Upper
106 100
91 223.1 171.8 257.8



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

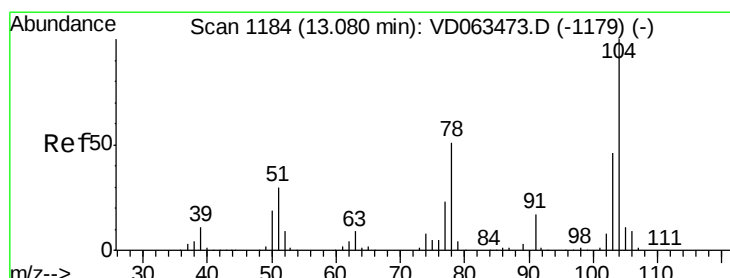
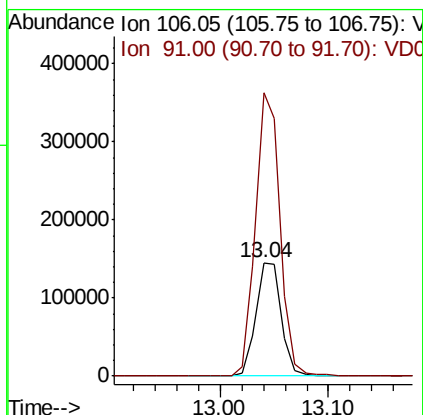
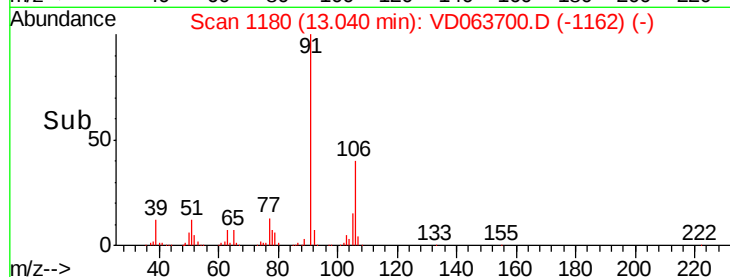
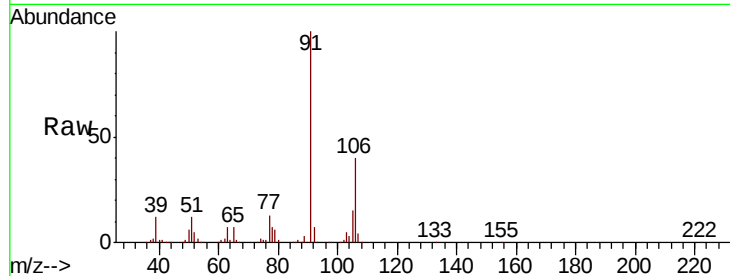




#69
o-Xylene
Concen: 22.051 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

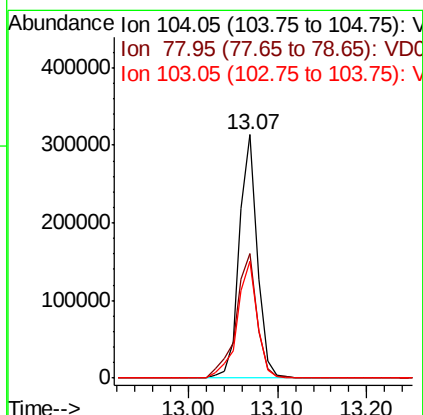
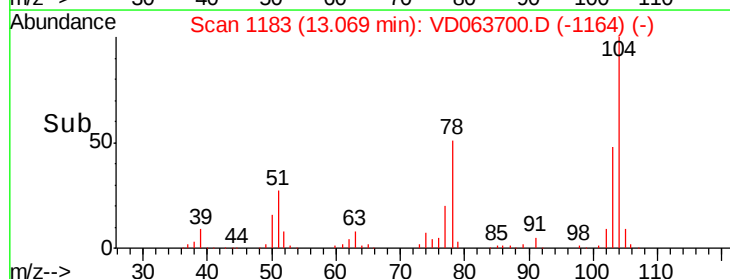
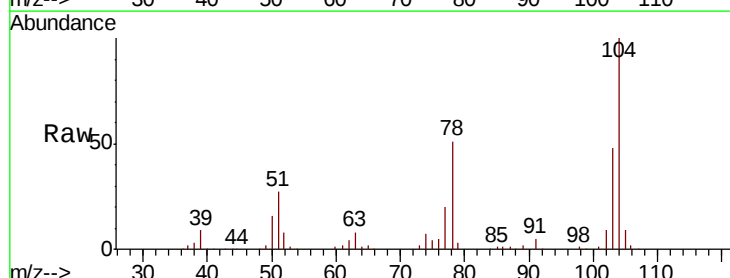
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

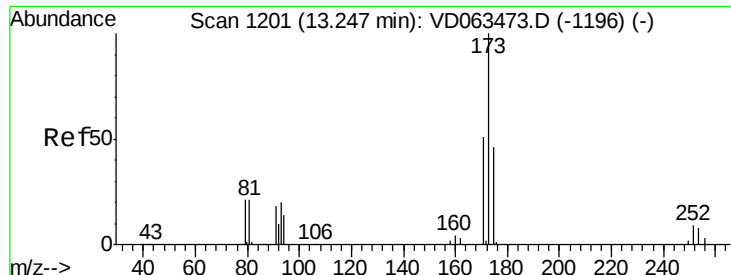
Tgt Ion:106 Resp: 238388
Ion Ratio Lower Upper
106 100
91 249.3 118.1 354.2



#70
Styrene
Concen: 23.030 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion:104 Resp: 442868
Ion Ratio Lower Upper
104 100
78 51.2 40.8 61.2
103 48.1 36.4 54.6

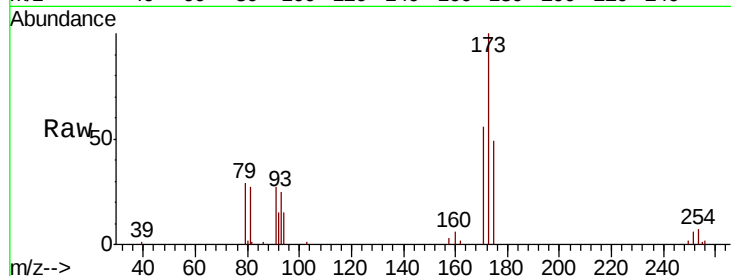




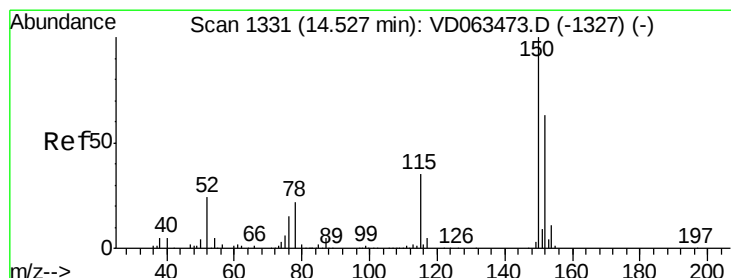
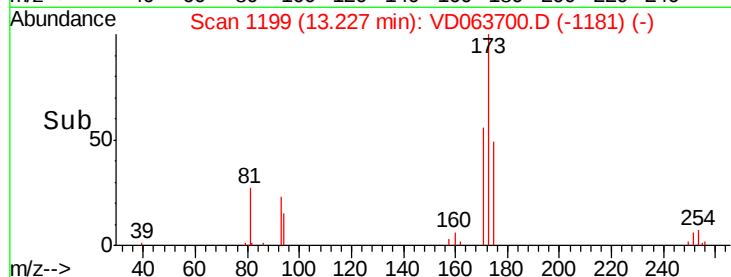
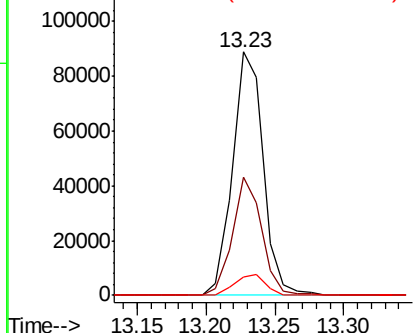
#71
Bromoform
Concen: 24.771 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion:173 Resp: 137450
Ion Ratio Lower Upper
173 100
175 48.8 22.8 68.3
254 7.4 6.6 9.8

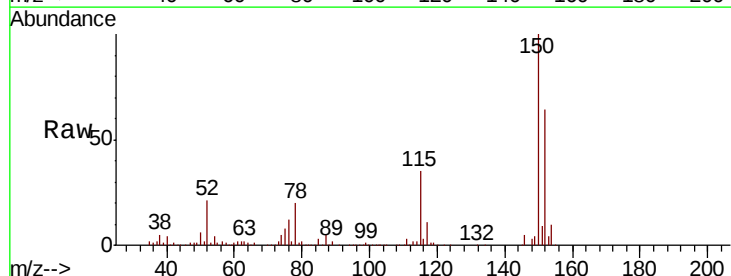


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

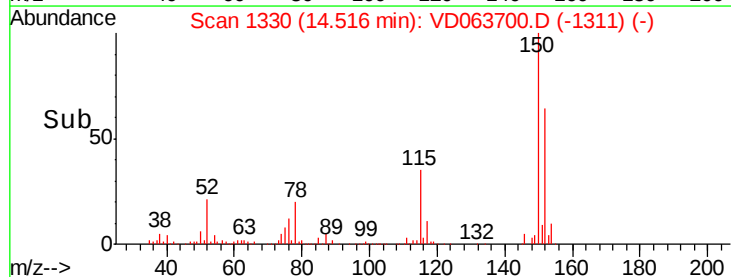
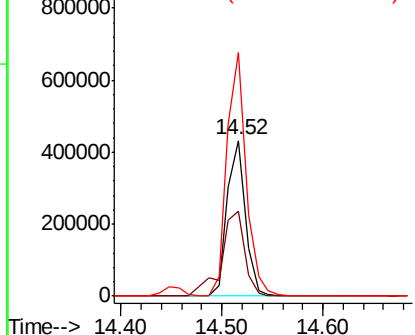


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion:152 Resp: 546931
Ion Ratio Lower Upper
152 100
115 54.4 30.9 92.7
150 156.5 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.487 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

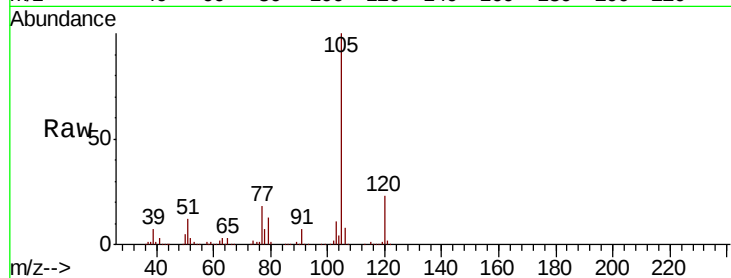
VD0820SBS02

Tgt Ion: 105 Resp: 782289

Ion Ratio Lower Upper

105 100

120 22.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

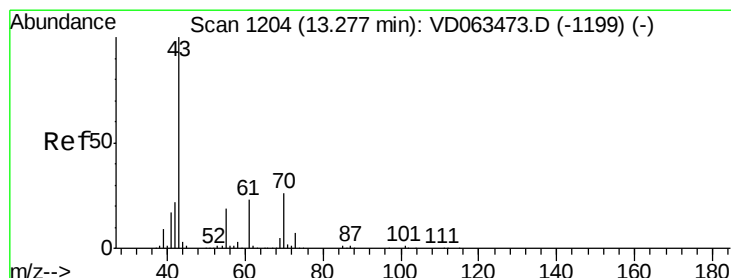
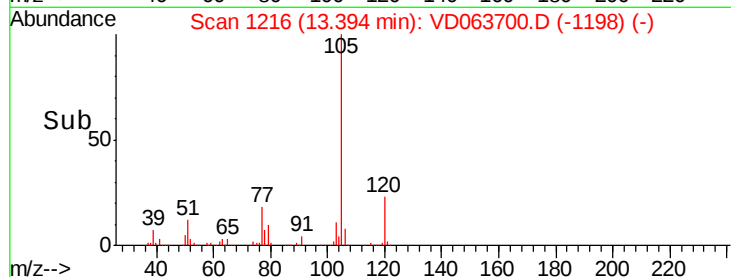
0

13.39

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 24.099 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Tgt Ion: 43 Resp: 210448

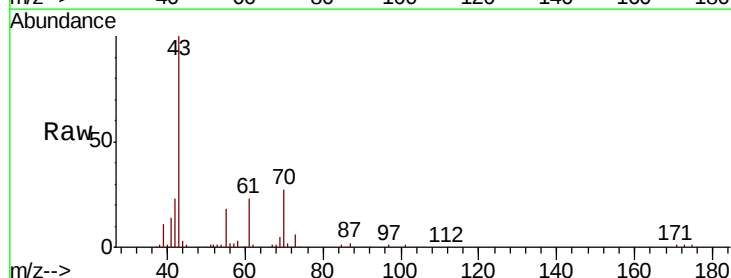
Ion Ratio Lower Upper

43 100

70 27.2 21.1 31.7

55 17.8 15.4 23.0

61 22.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

150000

100000

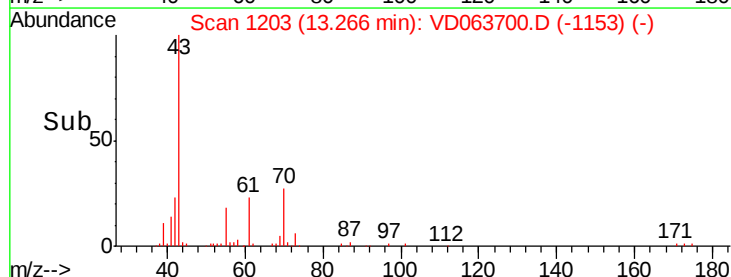
50000

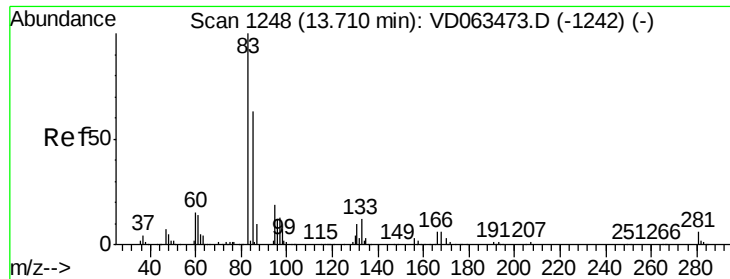
0

13.27

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 25.017 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

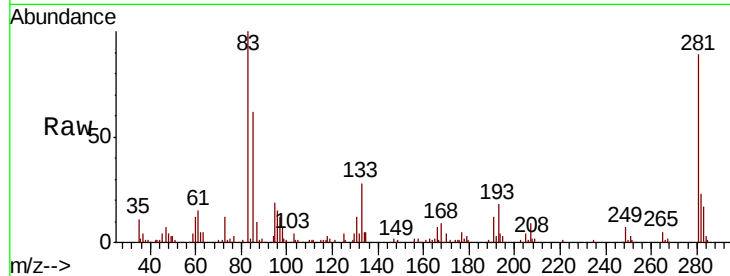
Tgt Ion: 83 Resp: 144449

Ion Ratio Lower Upper

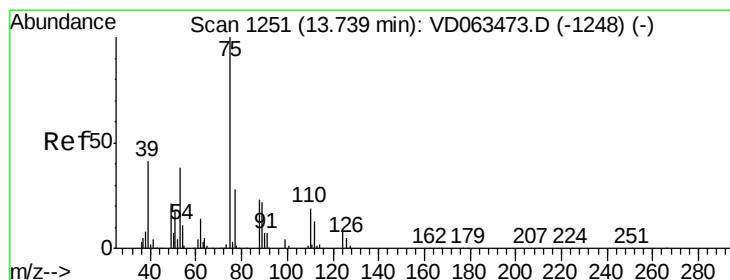
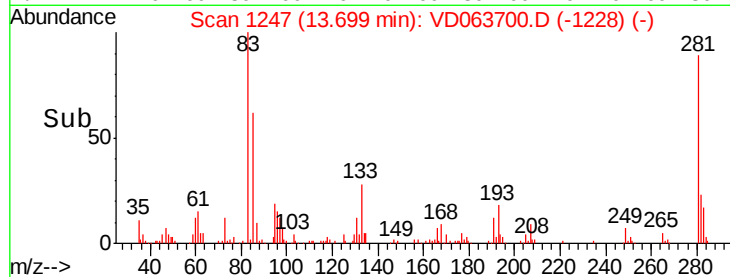
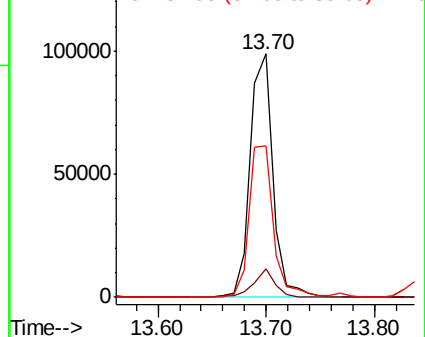
83 100

131 11.6 5.3 15.8

85 62.3 31.4 94.3



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: 25.471 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063700.D

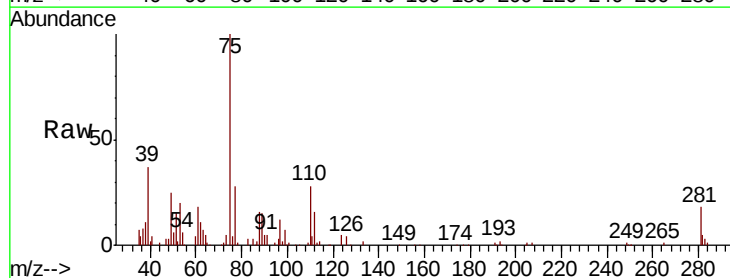
Acq: 21 Aug 2019 00:10

Tgt Ion: 75 Resp: 159879

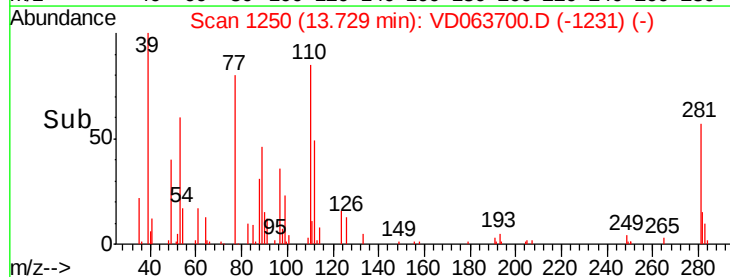
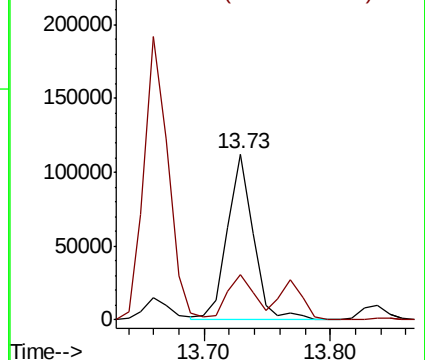
Ion Ratio Lower Upper

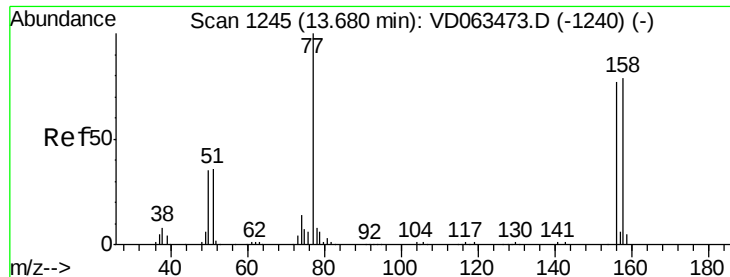
75 100

77 27.6 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

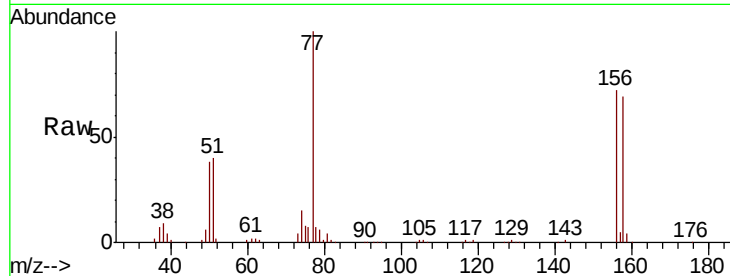




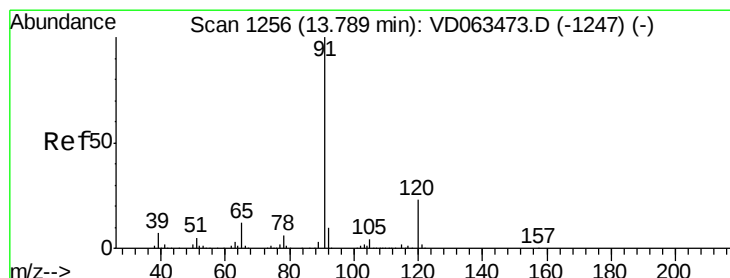
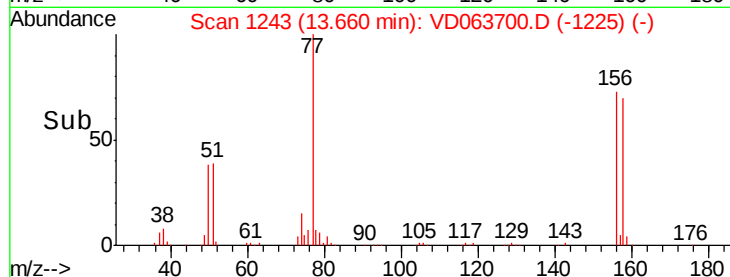
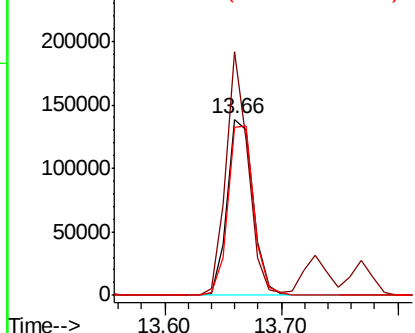
#77
Bromobenzene
Concen: 22.541 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion: 156 Resp: 214310
Ion Ratio Lower Upper
156 100
77 138.3 64.6 193.8
158 95.2 50.9 152.7

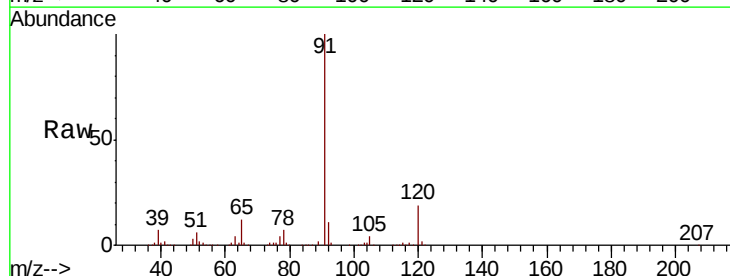


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

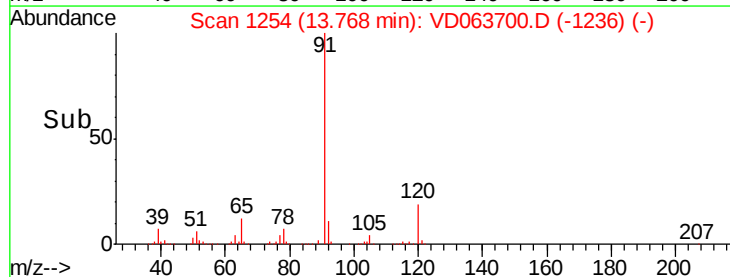
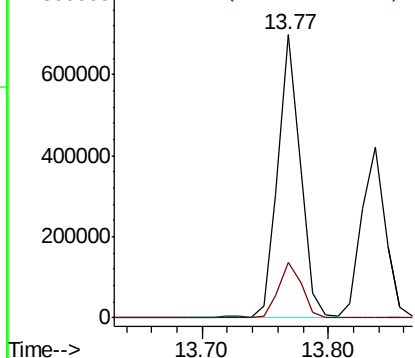


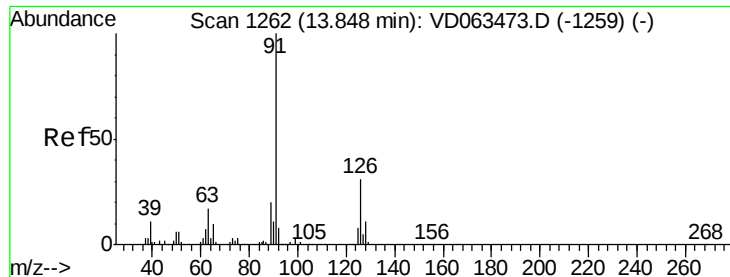
#78
n-propylbenzene
Concen: 21.555 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion: 91 Resp: 877349
Ion Ratio Lower Upper
91 100
120 19.5 11.3 33.9



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

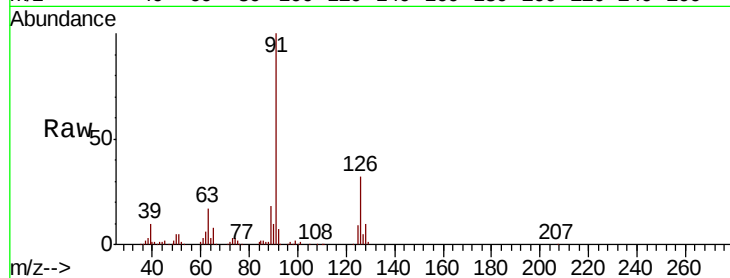




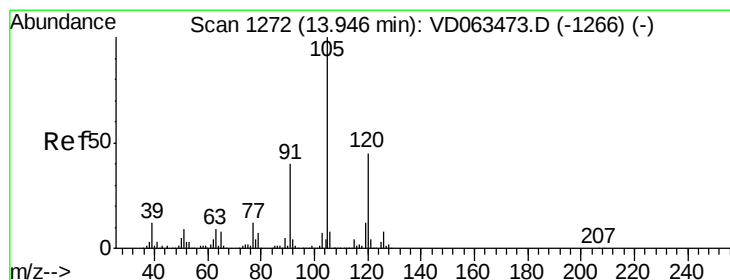
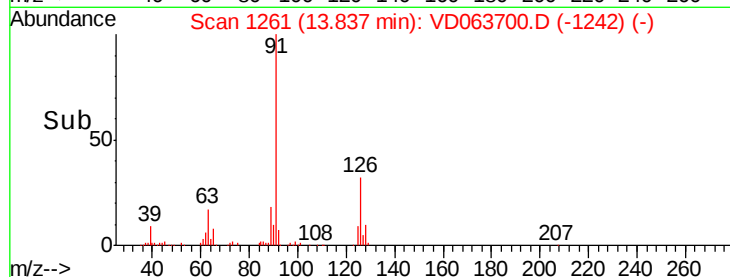
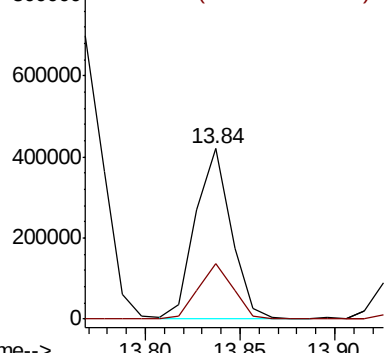
#79
 2-Chlorotoluene
 Concen: 23.473 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tgt Ion: 91 Resp: 550866
 Ion Ratio Lower Upper
 91 100
 126 32.4 15.6 46.7

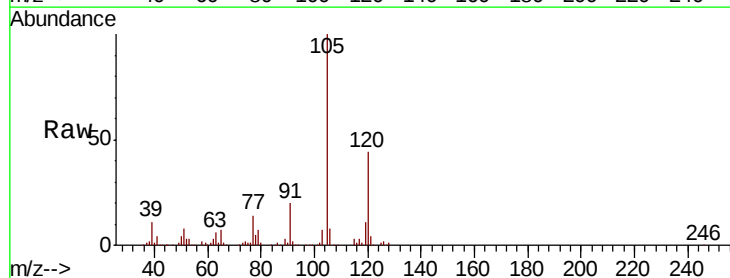


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

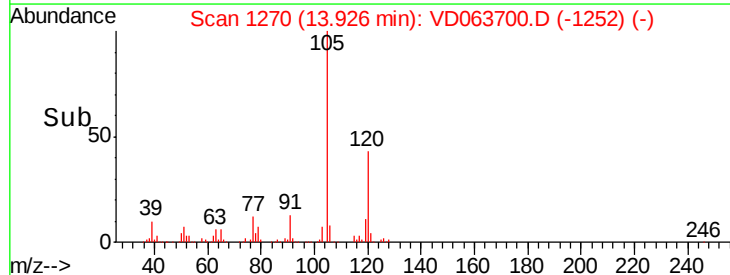
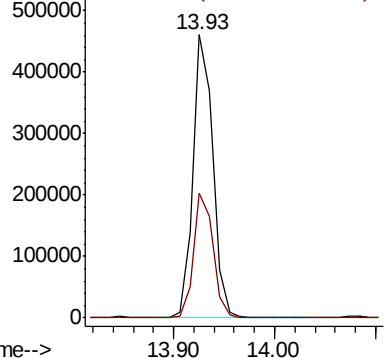


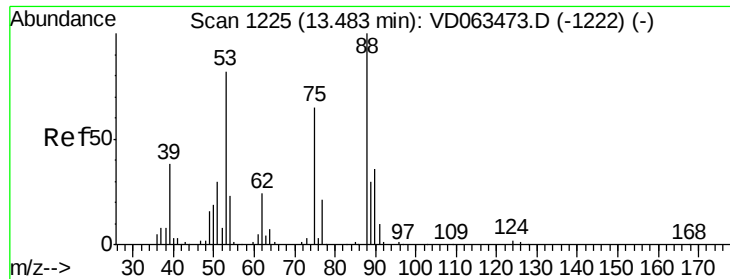
#80
 1,3,5-Trimethylbenzene
 Concen: 20.845 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion: 105 Resp: 633592
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.8 68.3



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: 20.169 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

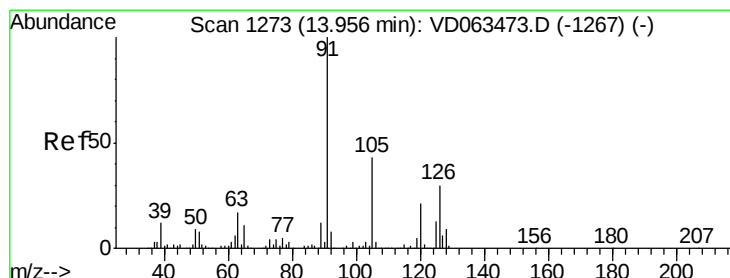
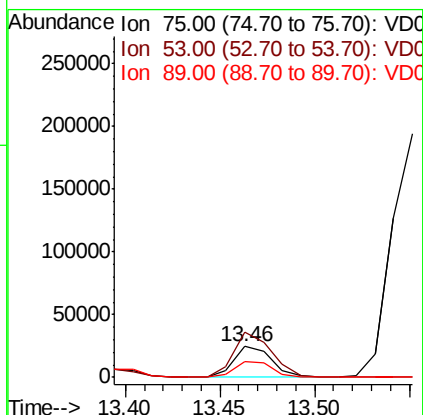
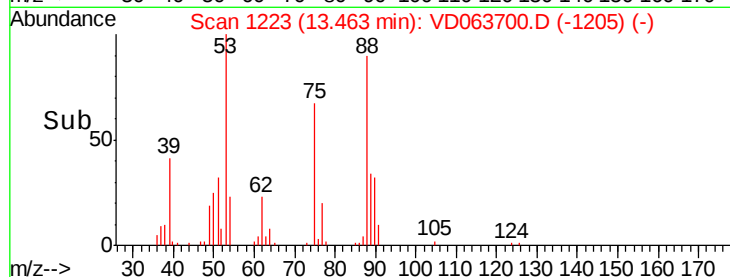
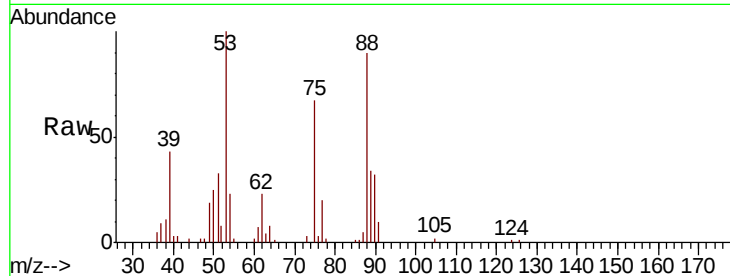
Tgt Ion: 75 Resp: 34026

Ion Ratio Lower Upper

75 100

53 148.6 101.0 151.4

89 50.2 37.0 55.6



#82

4-Chlorotoluene

Concen: 22.622 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063700.D

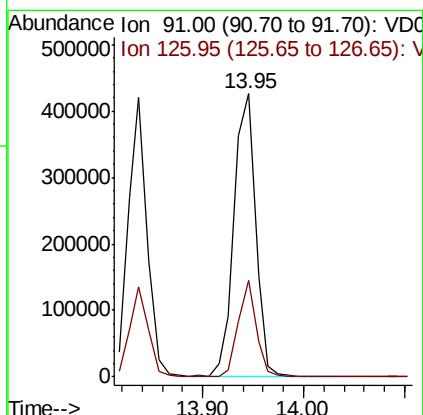
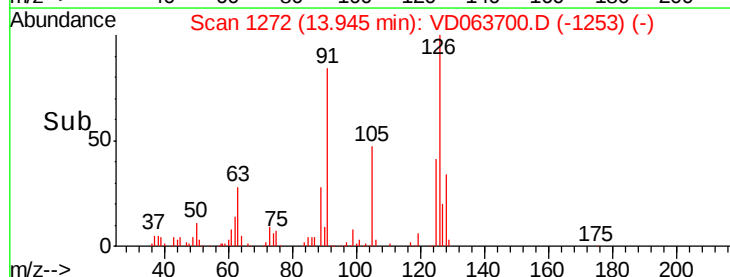
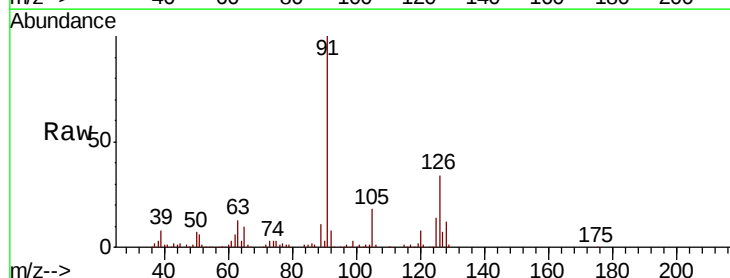
Acq: 21 Aug 2019 00:10

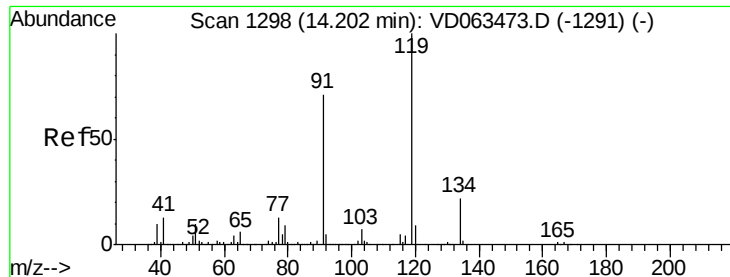
Tgt Ion: 91 Resp: 638413

Ion Ratio Lower Upper

91 100

126 34.0 15.2 45.6

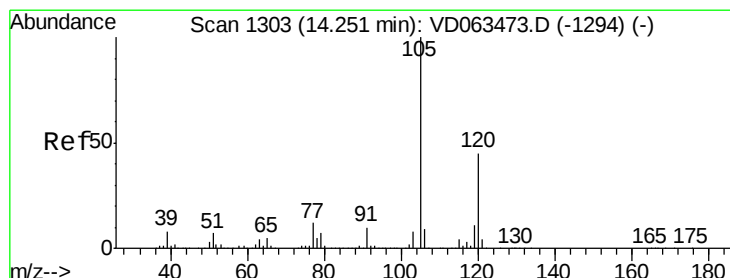
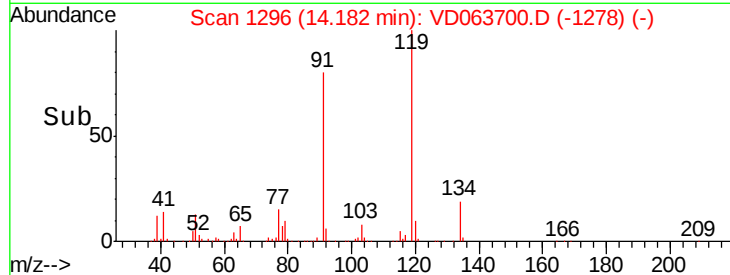
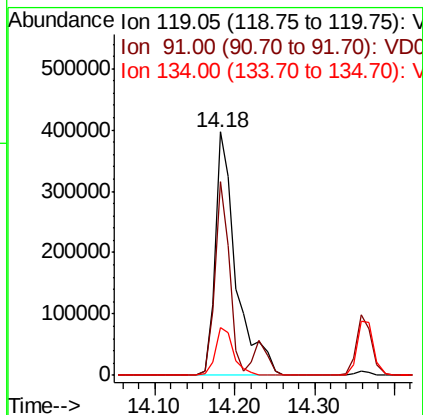
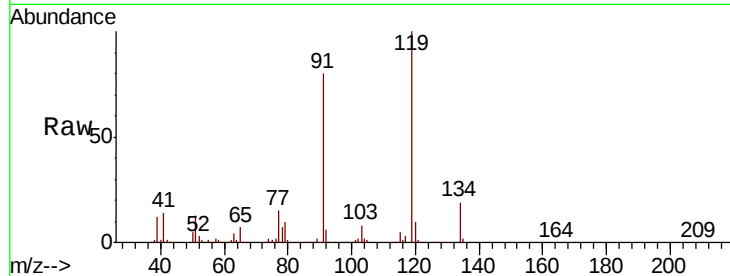




#83
 tert-Butylbenzene
 Concen: 22.805 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

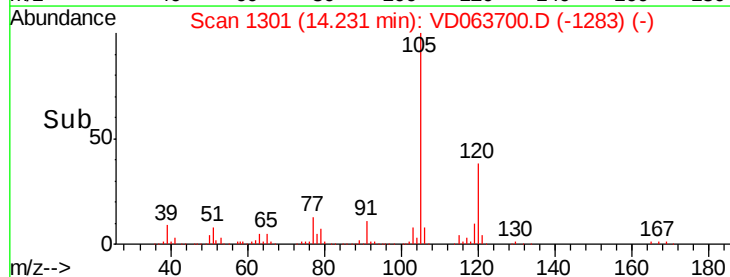
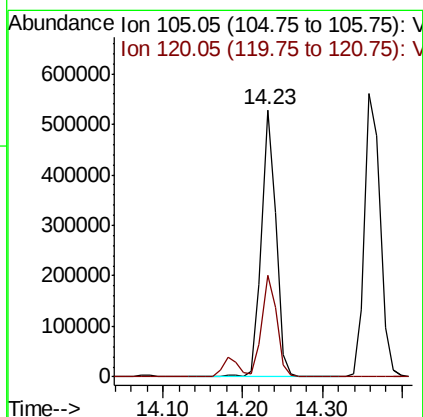
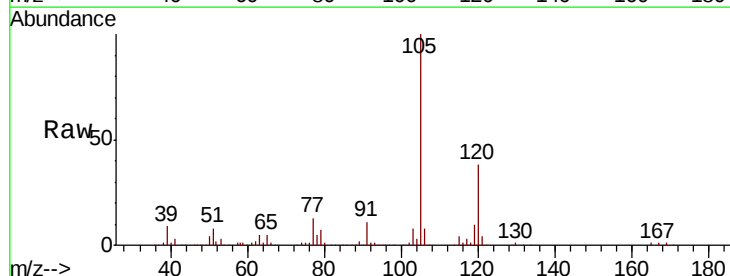
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

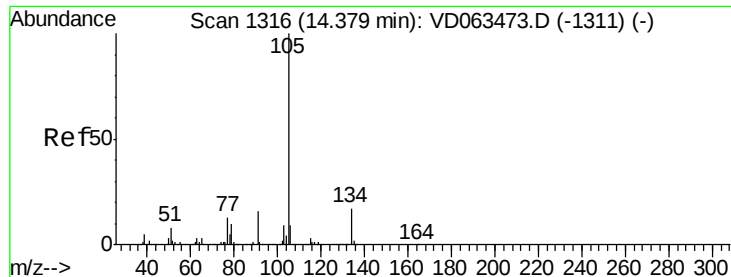
Tgt Ion:119 Resp: 729919
 Ion Ratio Lower Upper
 119 100
 91 79.8 35.5 106.7
 134 19.4 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.348 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion:105 Resp: 656625
 Ion Ratio Lower Upper
 105 100
 120 37.8 22.7 68.1

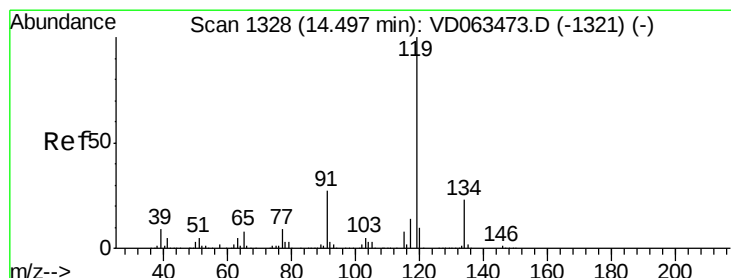
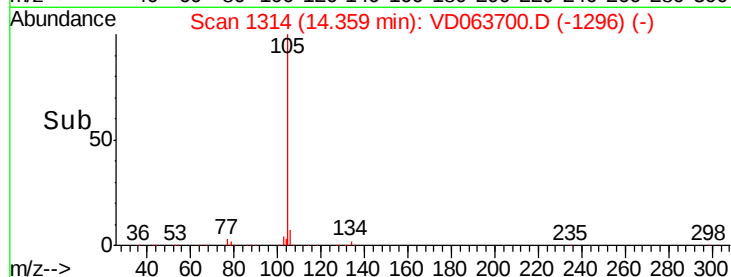
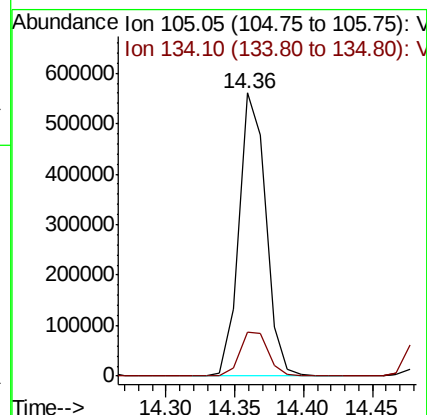
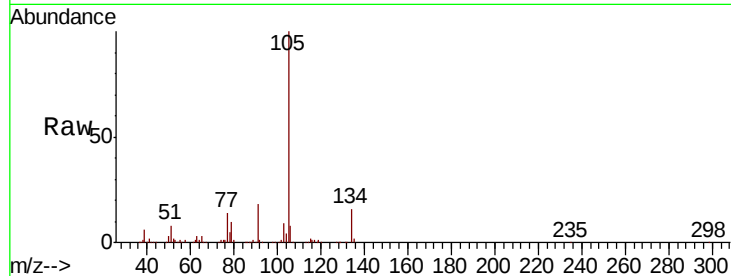




#85
 sec-Butylbenzene
 Concen: 22.512 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

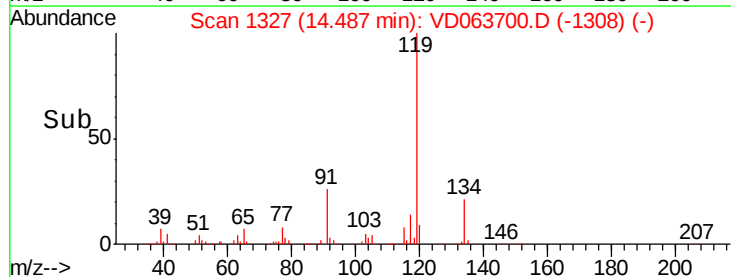
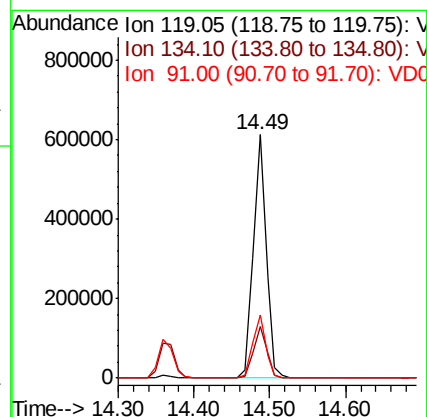
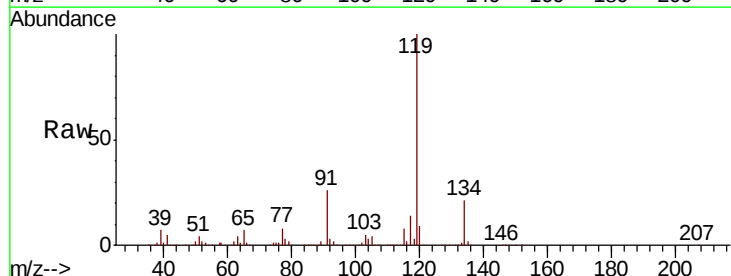
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

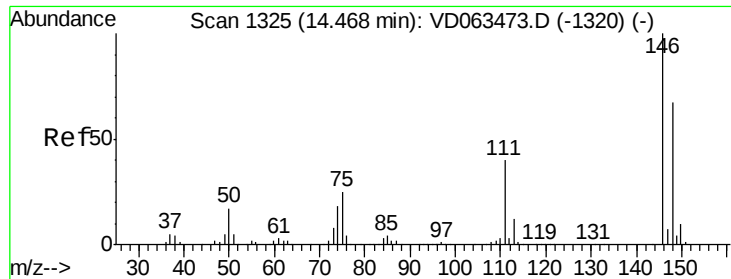
Tgt Ion:105 Resp: 765196
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 22.360 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion:119 Resp: 726729
 Ion Ratio Lower Upper
 119 100
 134 21.4 11.3 33.8
 91 25.8 13.5 40.4

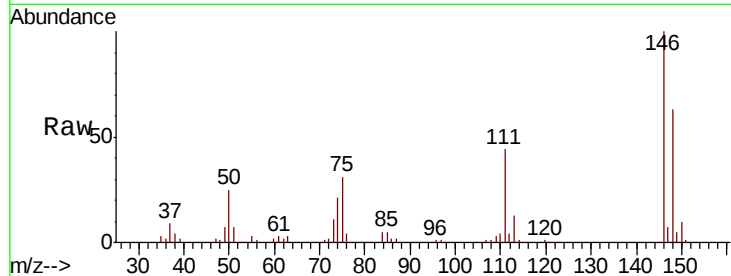




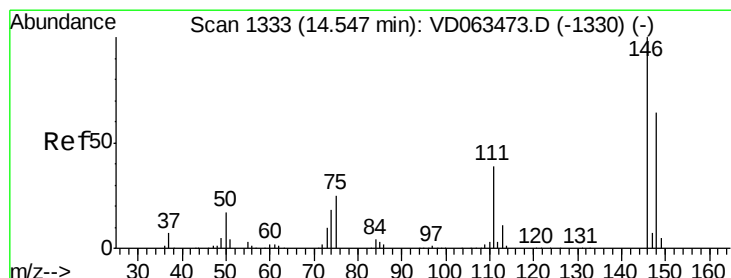
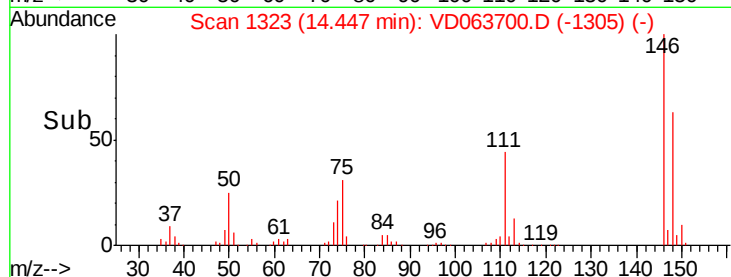
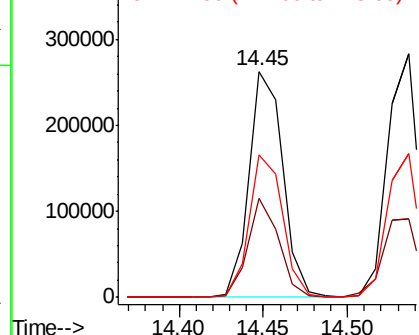
#87
 1,3-Dichlorobenzene
 Concen: 21.325 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tgt Ion:146 Resp: 366734
 Ion Ratio Lower Upper
 146 100
 111 43.9 20.0 60.0
 148 63.3 33.6 100.6

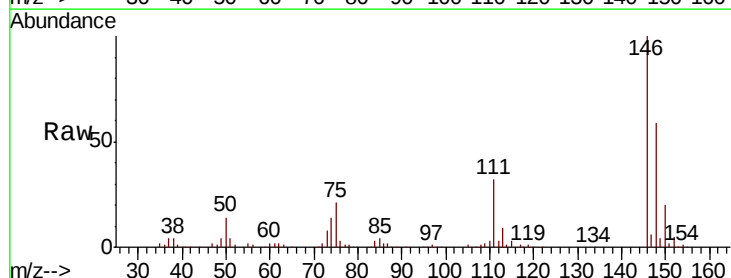


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

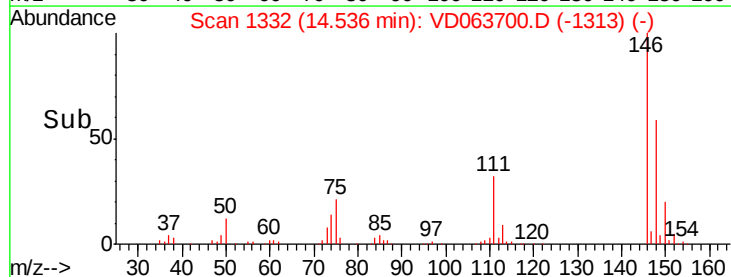
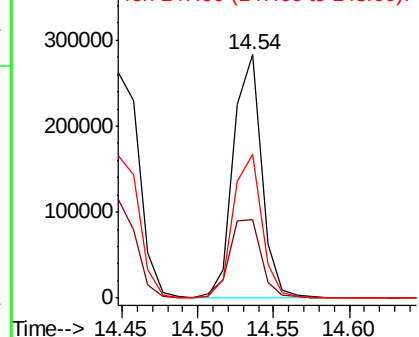


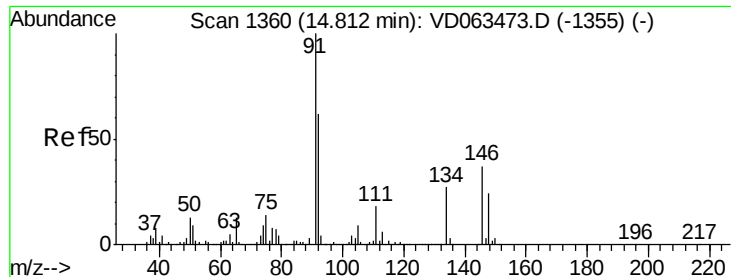
#88
 1,4-Dichlorobenzene
 Concen: 22.262 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion:146 Resp: 367311
 Ion Ratio Lower Upper
 146 100
 111 32.2 19.7 59.0
 148 59.3 32.1 96.3



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: 19.783 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 21 Aug 2019 00:10

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

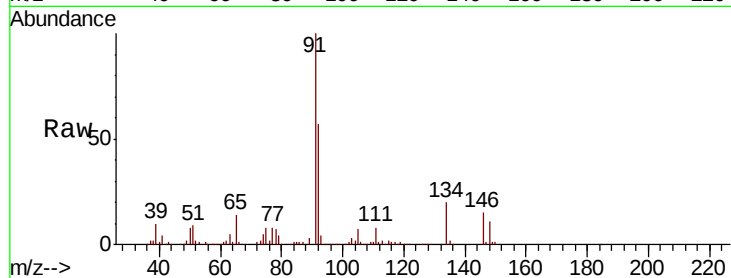
Tgt Ion: 91 Resp: 586820

Ion Ratio Lower Upper

91 100

92 57.3 30.8 92.3

134 19.9 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

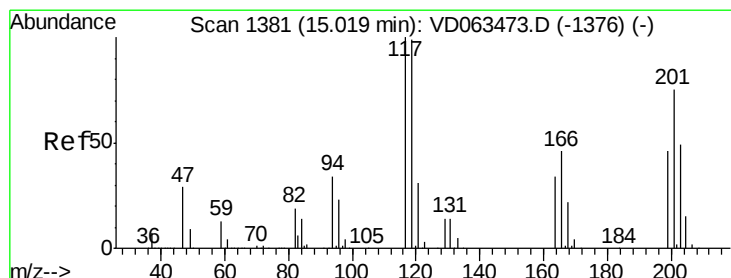
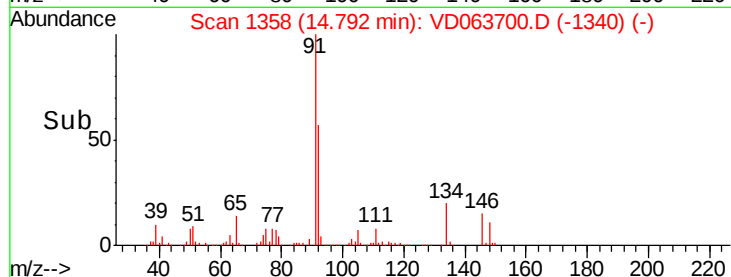
14.79

400000

200000

0

Time--> 14.70 14.80 14.90



#90

Hexachloroethane

Concen: 23.561 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063700.D

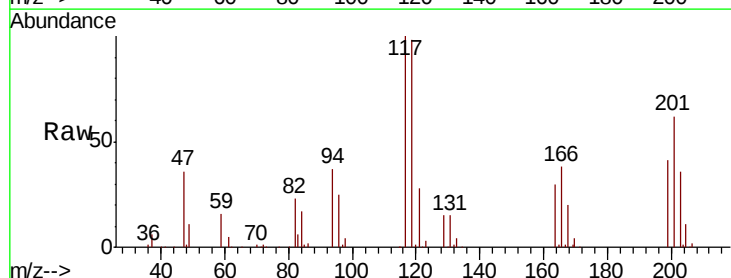
Acq: 21 Aug 2019 00:10

Tgt Ion: 117 Resp: 192469

Ion Ratio Lower Upper

117 100

201 62.4 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.00

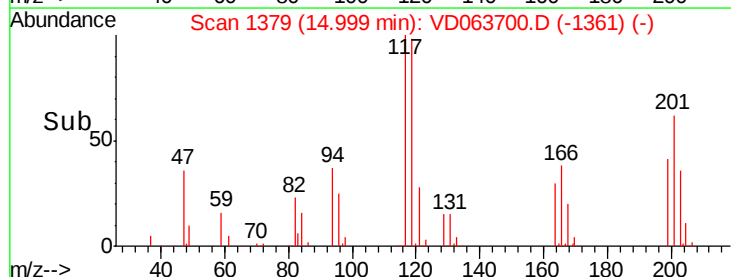
150000

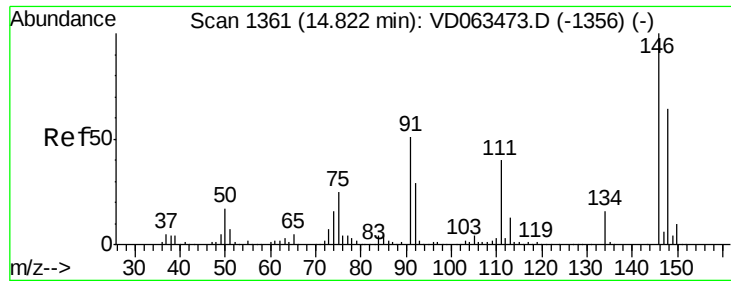
100000

50000

0

Time--> 14.95 15.00 15.05

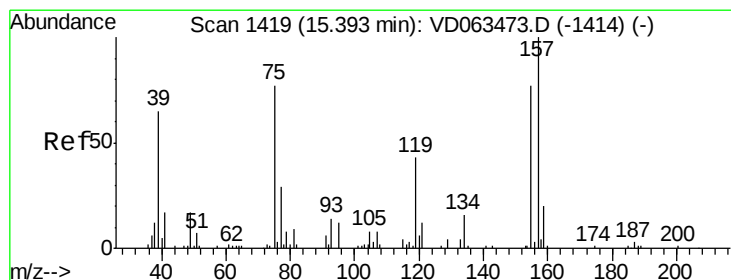
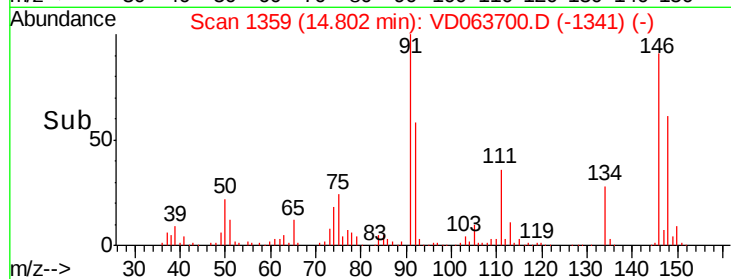
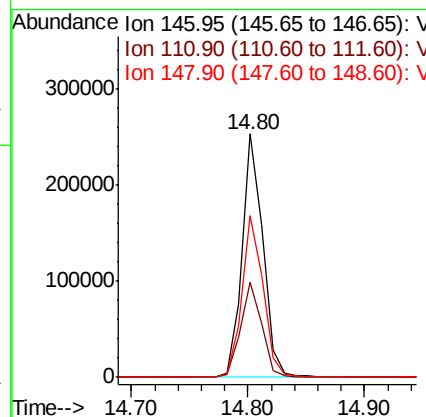
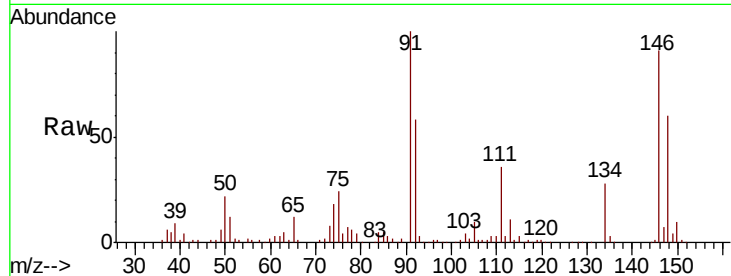




#91
 1,2-Dichlorobenzene
 Concen: 21.535 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

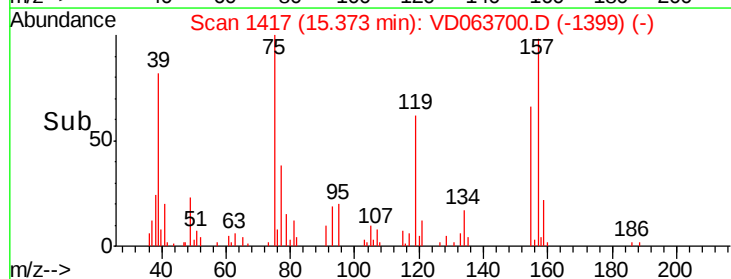
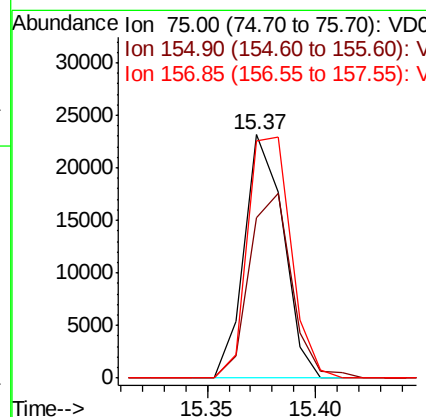
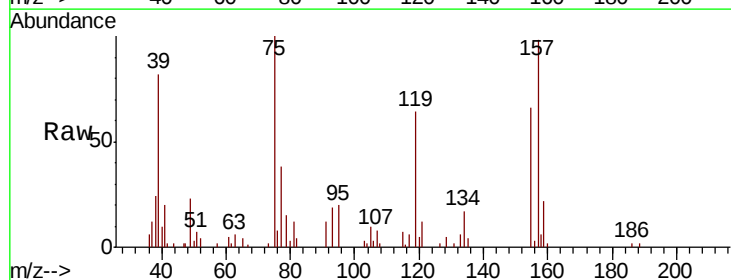
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

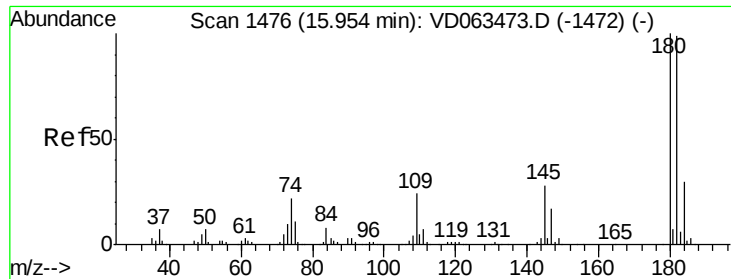
Tgt Ion:146 Resp: 314219
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.2 60.6
 148 66.4 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.749 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion: 75 Resp: 29082
 Ion Ratio Lower Upper
 75 100
 155 65.7 50.1 150.3
 157 97.7 65.0 195.1

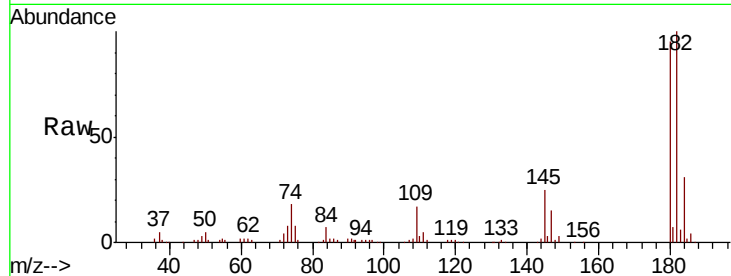




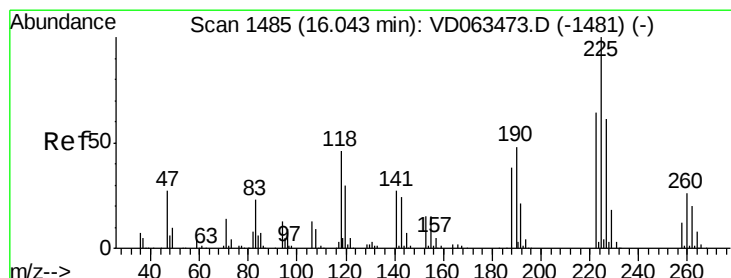
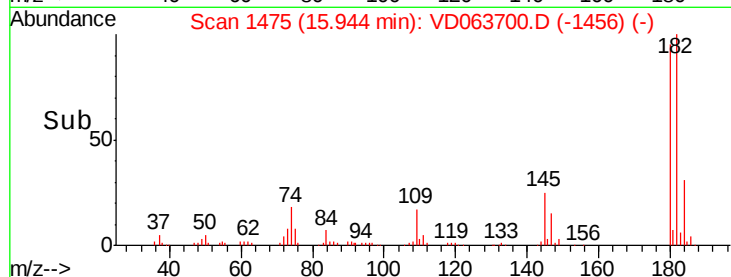
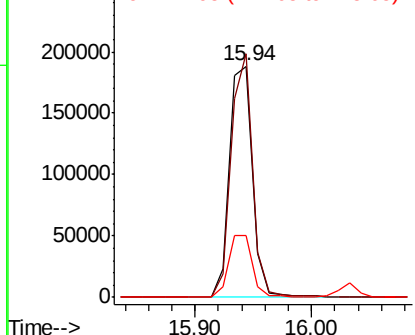
#93
 1,2,4-Trichlorobenzene
 Concen: 24.165 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tgt Ion:180 Resp: 259441
 Ion Ratio Lower Upper
 180 100
 182 105.4 49.7 149.1
 145 26.9 14.1 42.2

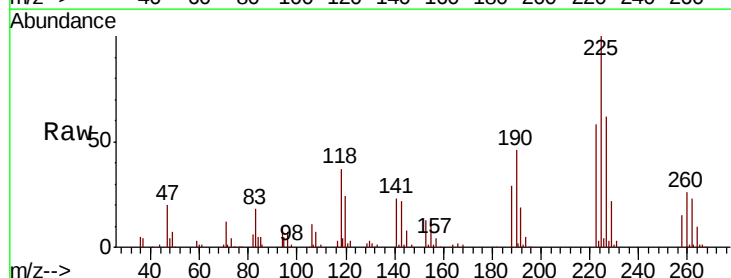


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

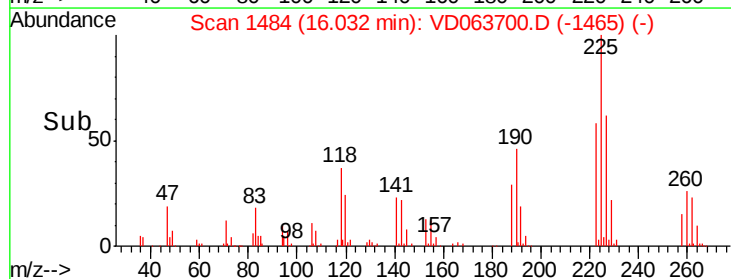
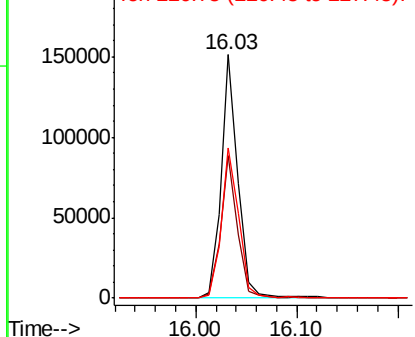


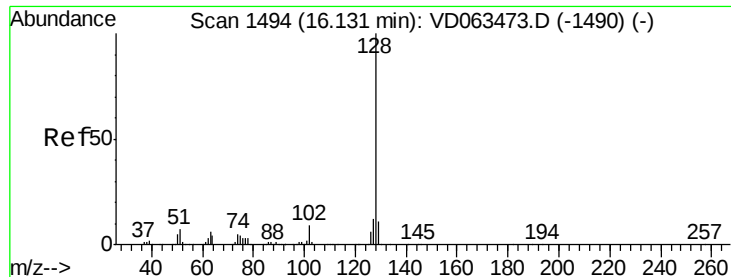
#94
 Hexachlorobutadiene
 Concen: 21.459 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 21 Aug 2019 00:10

Tgt Ion:225 Resp: 175592
 Ion Ratio Lower Upper
 225 100
 223 58.3 31.9 95.5
 227 61.6 30.7 92.1



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

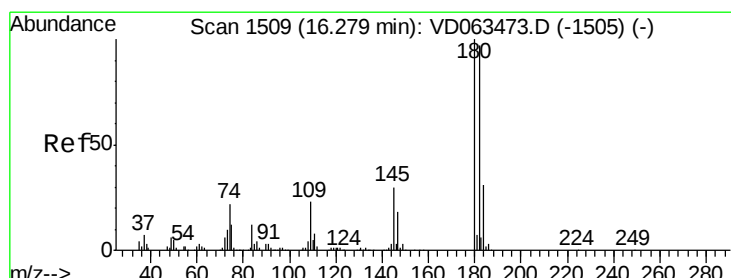
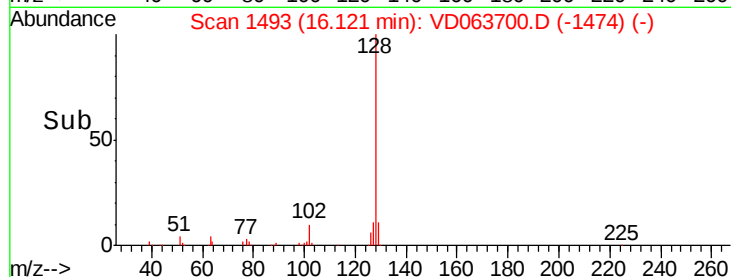
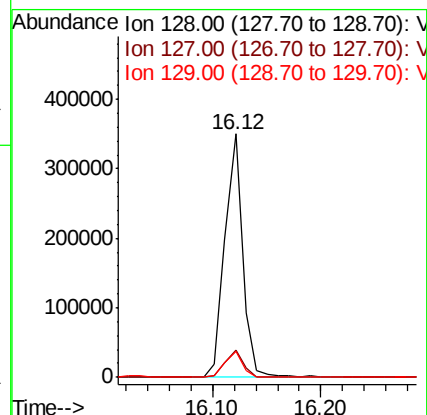
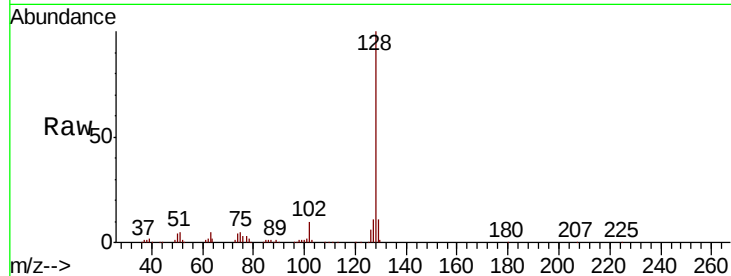




#95
Naphthalene
Concen: 24.805 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tgt Ion:128 Resp: 403608
Ion Ratio Lower Upper
128 100
127 11.1 9.4 14.0
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 25.288 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063700.D
Acq: 21 Aug 2019 00:10

Tgt Ion:180 Resp: 219284
Ion Ratio Lower Upper
180 100
182 96.5 48.4 145.2
145 26.5 14.9 44.9

