

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063129.D
 Acq On : 17 Jul 2019 14:11
 Operator : VA/AP
 Sample : VD0717SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	567078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	771334	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	644811	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	347659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	397041	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
35) Dibromofluoromethane	6.92	113	434028	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
50) Toluene-d8	10.42	98	864170	52.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	13.56	95	392184	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	194358	31.623	ug/l	100
3) Chloromethane	1.74	50	146415	26.960	ug/l #	88
4) Vinyl Chloride	1.84	62	144008	23.794	ug/l	99
5) Bromomethane	2.15	94	61521	25.025	ug/l	99
6) Chloroethane	2.25	64	71749	25.521	ug/l	100
7) Trichlorofluoromethane	2.52	101	291168	23.765	ug/l	94
8) Diethyl Ether	2.86	74	39562	22.955	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.14	101	163044	23.079	ug/l	95
10) Methyl Iodide	3.30	142	204691	23.601	ug/l #	98
11) Tert butyl alcohol	4.09	59	42846	105.099	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	122657	24.450	ug/l	94
13) Acrolein	3.03	56	16098	130.833	ug/l	99
14) Allyl chloride	3.61	41	177776	22.547	ug/l	97
15) Acrylonitrile	4.19	53	108068	119.920	ug/l	93
16) Acetone	3.22	43	162360	95.160	ug/l	96
17) Carbon Disulfide	3.37	76	339423	23.637	ug/l	100
18) Methyl Acetate	3.64	43	81480	34.236	ug/l #	82
19) Methyl tert-butyl Ether	4.24	73	291203	22.995	ug/l	100
20) Methylene Chloride	3.81	84	146806	22.775	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	132447	23.782	ug/l	92
22) Diisopropyl ether	5.12	45	418179	24.394	ug/l	96
23) Vinyl Acetate	5.05	43	1116528	111.640	ug/l	99
24) 1,1-Dichloroethane	4.97	63	256303	24.272	ug/l #	96
25) 2-Butanone	6.07	43	181585	111.453	ug/l	93
26) 2,2-Dichloropropane	6.01	77	267166	22.861	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	155232	24.503	ug/l	94
28) Bromochloromethane	6.44	49	104471	27.270	ug/l	84
29) Tetrahydrofuran	6.47	42	88146	119.350	ug/l	98
30) Chloroform	6.66	83	326952	25.141	ug/l	98
31) Cyclohexane	6.96	56	156794	23.316	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	319932	24.948	ug/l	94
36) 1,1-Dichloropropene	7.15	75	184178	21.231	ug/l	92
37) Ethyl Acetate	6.18	43	92798	24.995	ug/l	96
38) Carbon Tetrachloride	7.11	117	295528	22.419	ug/l	94

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Quant Time: Jul 18 06:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	165021	22.003	ug/l	99
40) Benzene	7.45	78	410027	22.567	ug/l	99
41) Methacrylonitrile	6.44	41	124843	24.802	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	232529	24.022	ug/l	98
43) Isopropyl Acetate	9.24	43	122908	23.096	ug/l #	99
44) Trichloroethene	8.54	130	161593	23.013	ug/l	100
45) 1,2-Dichloropropane	8.94	63	103985	22.955	ug/l	97
46) Dibromomethane	9.07	93	88098	22.632	ug/l	93
47) Bromodichloromethane	9.38	83	218960	21.555	ug/l	98
48) Methyl methacrylate	9.13	41	74825	21.411	ug/l #	80
49) 1,4-Dioxane	9.08	88	13962	463.256	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	433437	122.801	ug/l	93
52) Toluene	10.51	92	286613	23.623	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	191515	22.006	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	206833	22.985	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	105902	25.258	ug/l	97
56) Ethyl methacrylate	11.05	69	104187	22.240	ug/l	88
57) 1,3-Dichloropropane	11.41	76	148415	23.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	300091	115.044	ug/l	100
59) 2-Hexanone	11.54	43	312605	114.842	ug/l	92
60) Dibromochloromethane	11.69	129	192681	23.973	ug/l	99
61) 1,2-Dibromoethane	11.80	107	121580	24.225	ug/l	96
64) Tetrachloroethene	11.26	164	161942	25.883	ug/l	92
65) Chlorobenzene	12.40	112	350029	23.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	159214	22.656	ug/l	93
67) Ethyl Benzene	12.52	91	569860	21.637	ug/l	99
68) m/p-Xylenes	12.67	106	438334	46.468	ug/l	96
69) o-Xylene	13.05	106	213958	23.920	ug/l	94
70) Styrene	13.07	104	386228	24.669	ug/l	100
71) Bromoform	13.24	173	113817	23.134	ug/l	99
73) Isopropylbenzene	13.41	105	669512	24.936	ug/l	98
74) N-amyl acetate	13.27	43	159494	21.300	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	112743	23.080	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	121568	22.731	ug/l	95
77) Bromobenzene	13.67	156	176774	23.217	ug/l	90
78) n-propylbenzene	13.77	91	769460	24.904	ug/l	98
79) 2-Chlorotoluene	13.84	91	442527	23.688	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	529214	22.616	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	32148	22.827	ug/l	84
82) 4-Chlorotoluene	13.95	91	539697	24.740	ug/l	98
83) tert-Butylbenzene	14.20	119	613754	23.197	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	560581	24.030	ug/l	98
85) sec-Butylbenzene	14.37	105	648169	23.057	ug/l	96
86) p-Isopropyltoluene	14.49	119	582298	22.204	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	330998	24.343	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	314266	24.109	ug/l	96
89) n-Butylbenzene	14.80	91	555449	22.979	ug/l	98
90) Hexachloroethane	15.01	117	151113	21.555	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	266298	21.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	20386	21.772	ug/l #	50

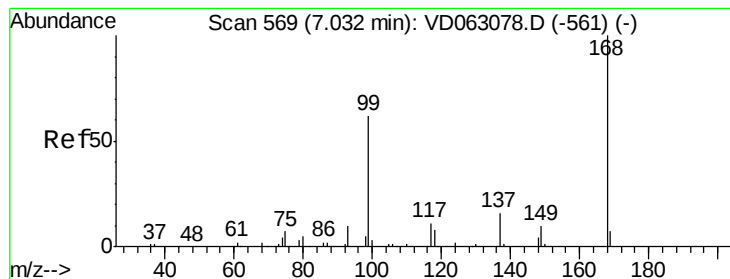
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	195387	21.480	ug/l	95
94) Hexachlorobutadiene	16.04	225	160856	23.991	ug/l	97
95) Naphthalene	16.12	128	320684	24.101	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	152887	20.893	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

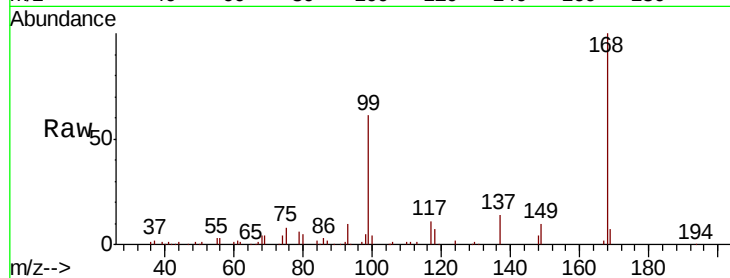
ClientSampleId :

Tot Ion:168 Resp: 567078

Ion Ratio Lower Upper

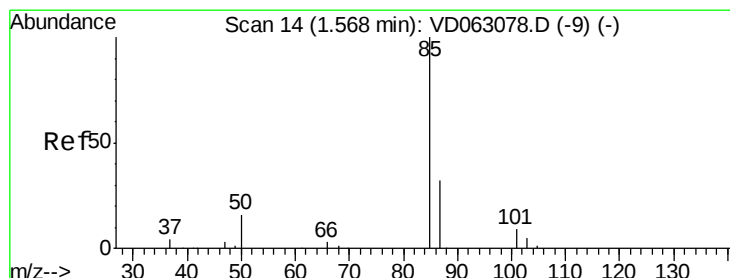
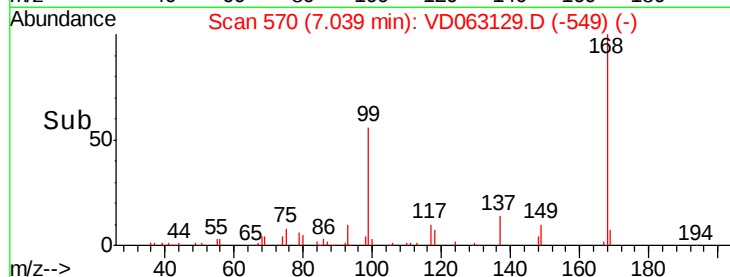
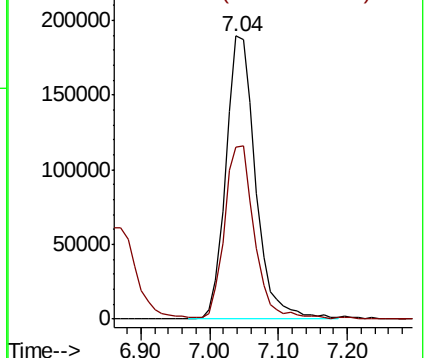
168 100

99 60.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 31.623 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063129.D

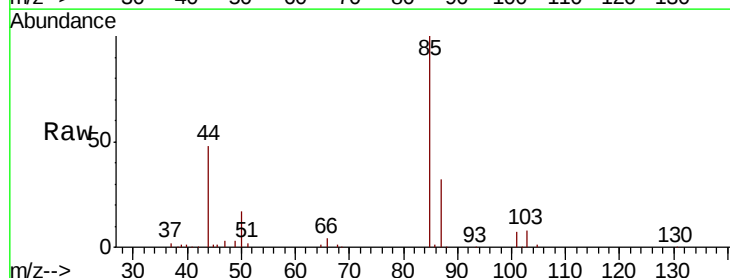
Acq: 17 Jul 2019 14:11

Tgt Ion: 85 Resp: 194358

Ion Ratio Lower Upper

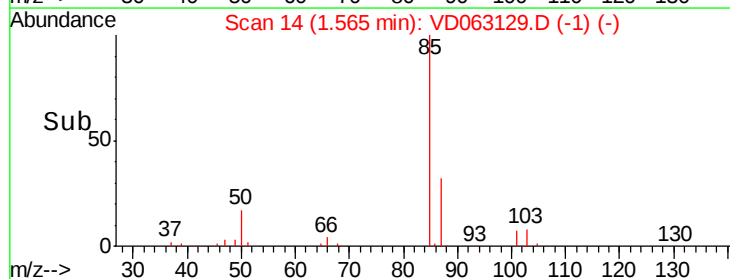
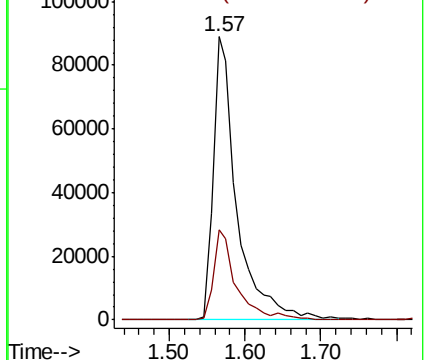
85 100

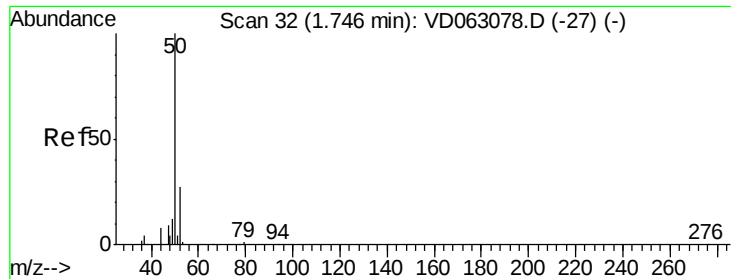
87 32.0 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 26.960 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

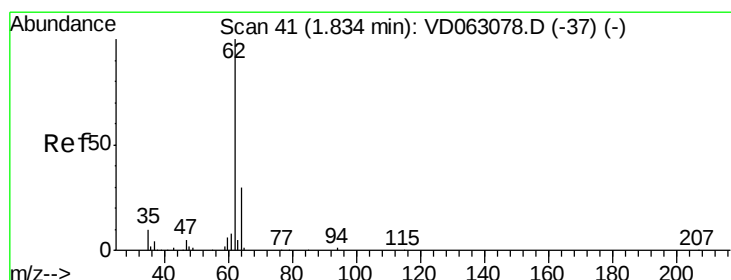
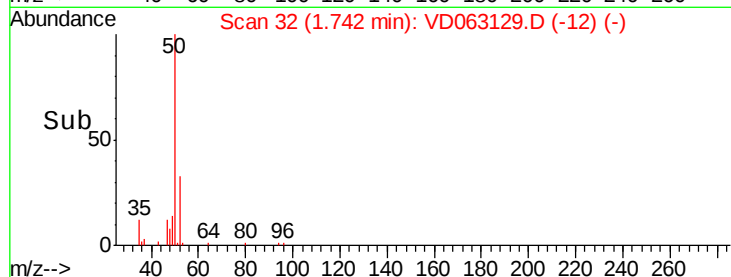
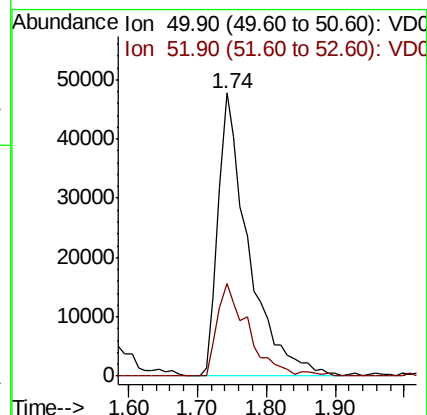
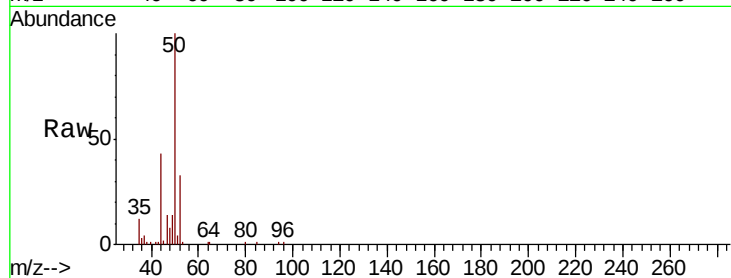
ClientSampleId :

Tot Ion: 50 Resp: 146415

Ion Ratio Lower Upper

50 100

52 32.9 21.4 32.2#



#4

Vinyl Chloride

Concen: 23.794 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063129.D

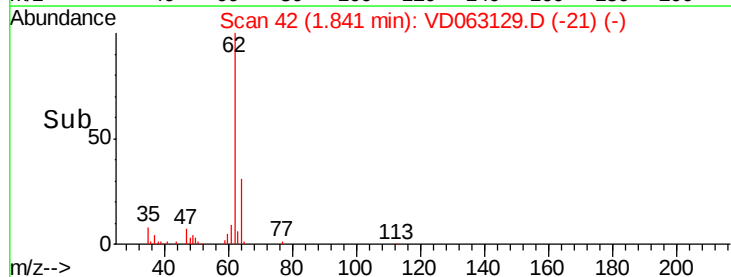
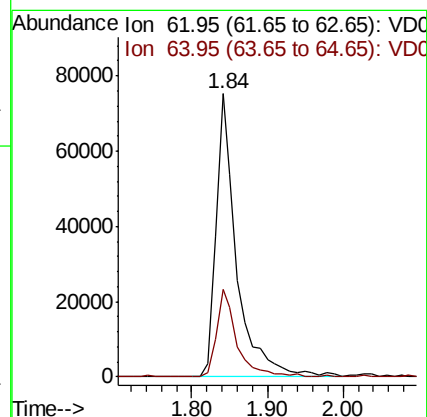
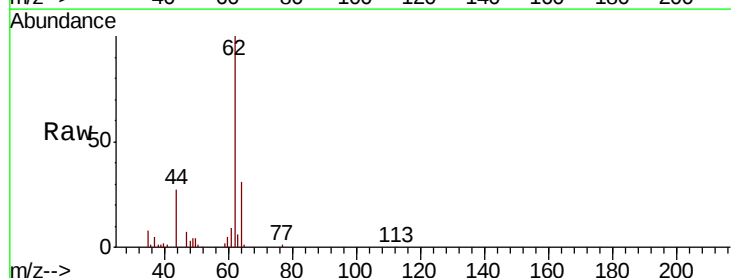
Acq: 17 Jul 2019 14:11

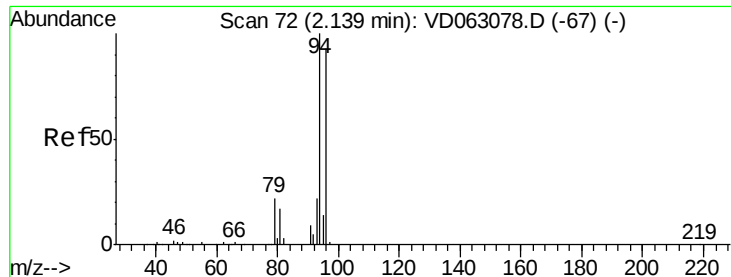
Tgt Ion: 62 Resp: 144008

Ion Ratio Lower Upper

62 100

64 31.1 24.4 36.6





#5

Bromomethane

Concen: 25.025 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

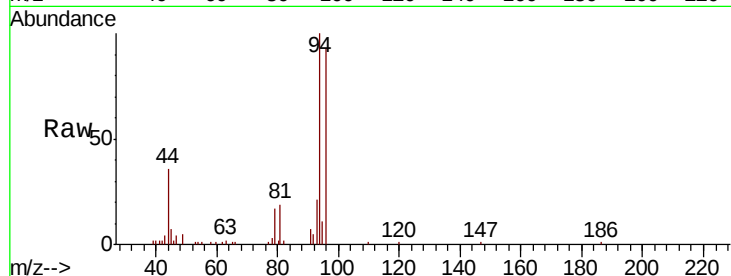
Tot Ion: 94 Resp: 61521

Ion Ratio Lower Upper

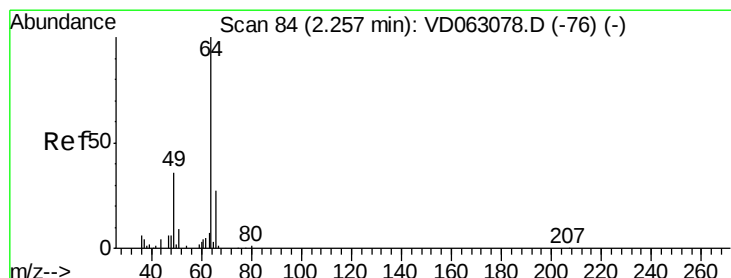
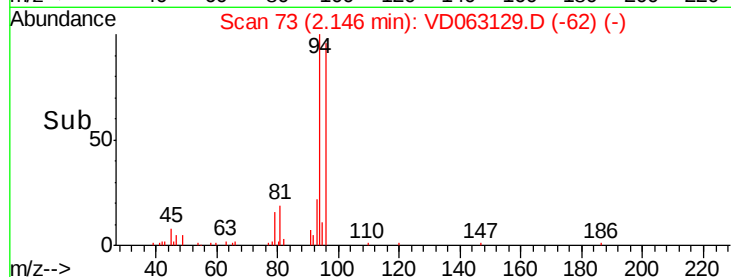
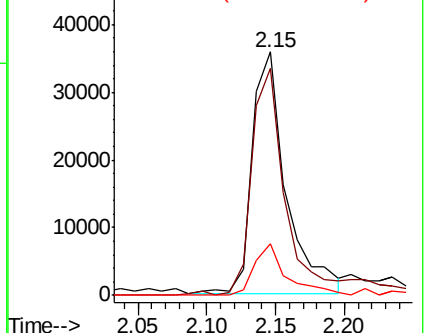
94 100

96 93.5 74.2 111.2

93 21.1 17.8 26.6



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: 25.521 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063129.D

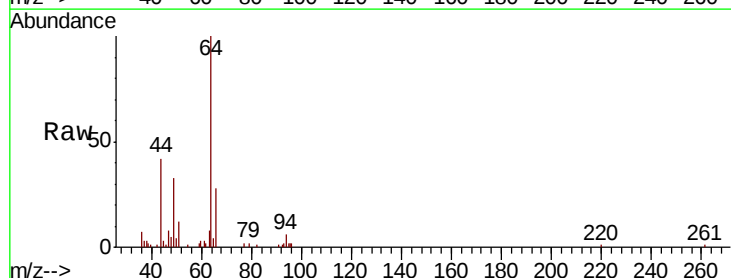
Acq: 17 Jul 2019 14:11

Tgt Ion: 64 Resp: 71749

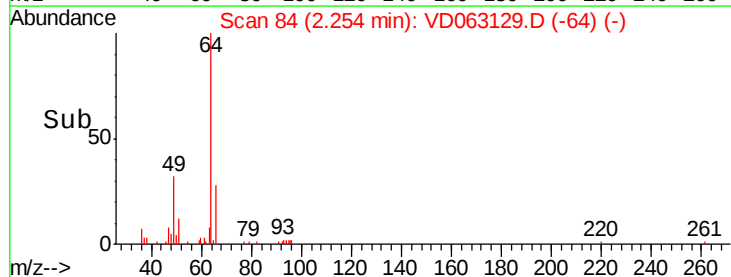
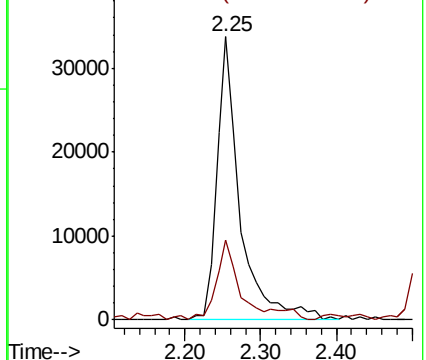
Ion Ratio Lower Upper

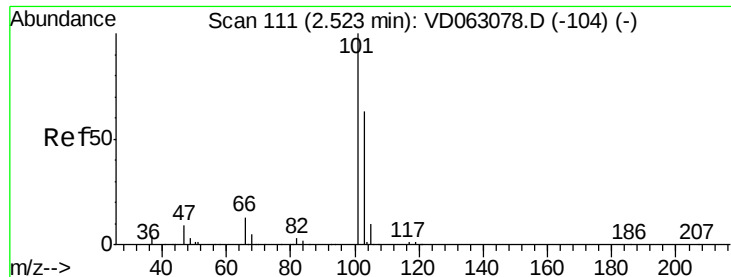
64 100

66 28.0 22.5 33.7



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



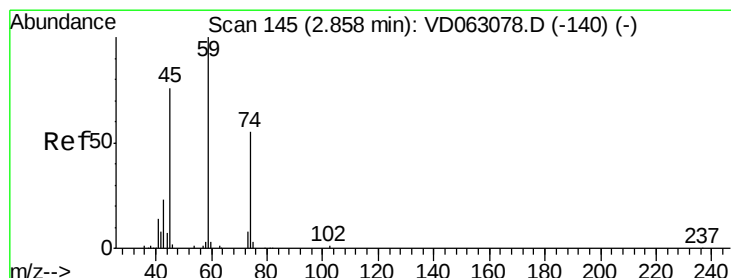
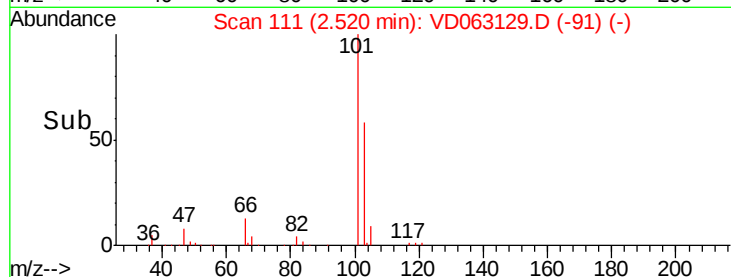
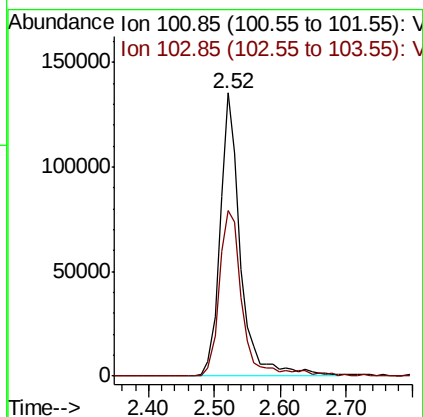
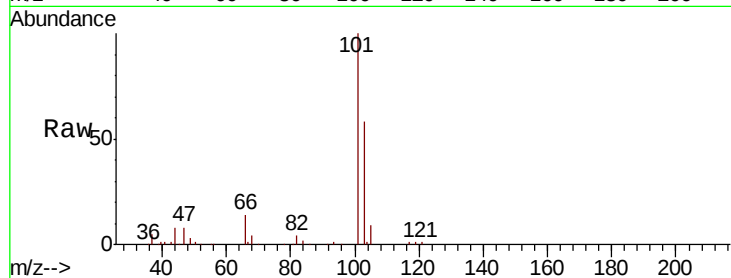


#7

Trichlorofluoromethane
 Concen: 23.765 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_D
 ClientSampled :

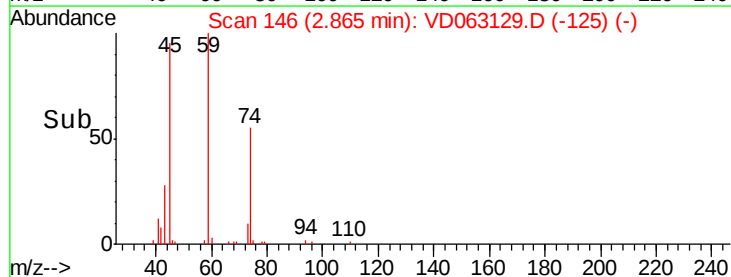
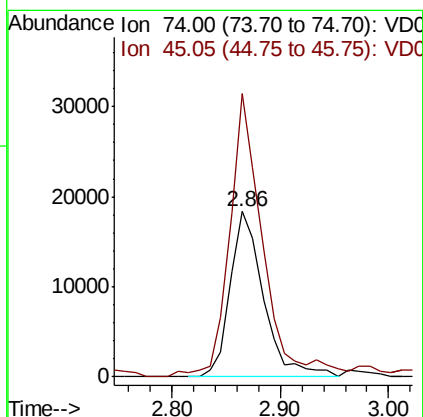
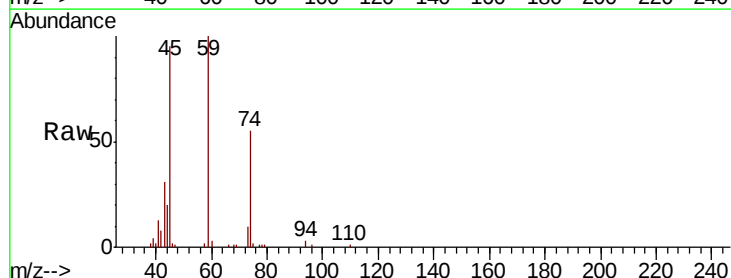
Tot Ion:101 Resp: 291168
 Ion Ratio Lower Upper
 101 100
 103 58.3 50.6 76.0

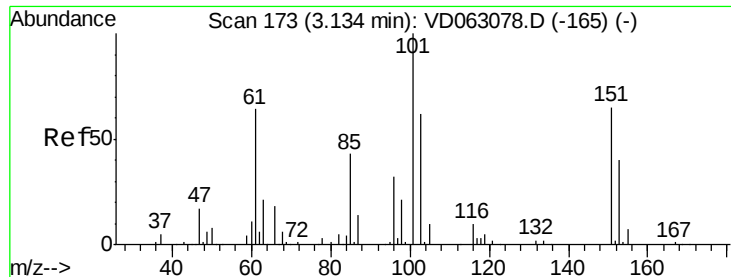


#8

Diethyl Ether
 Concen: 22.955 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion: 74 Resp: 39562
 Ion Ratio Lower Upper
 74 100
 45 171.3 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.079 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

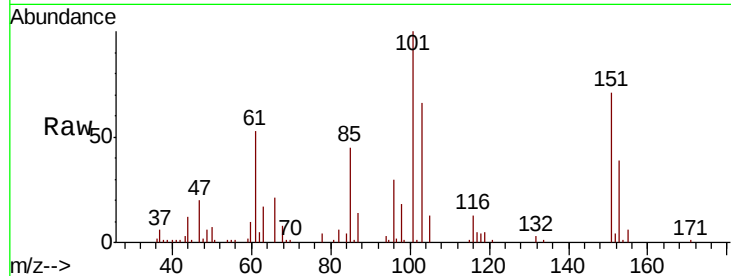
Tot Ion:101 Resp: 163044

Ion Ratio Lower Upper

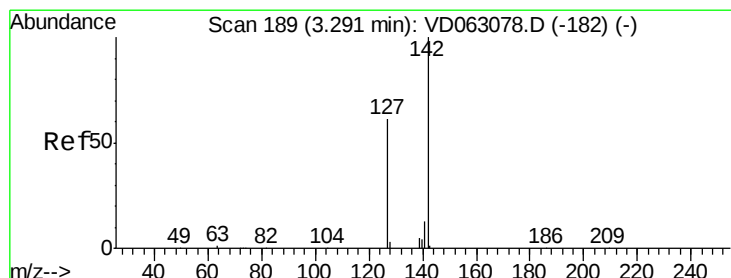
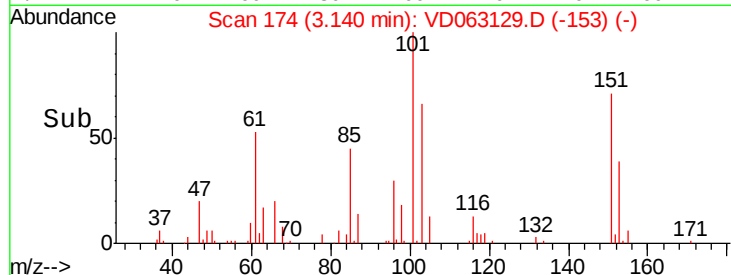
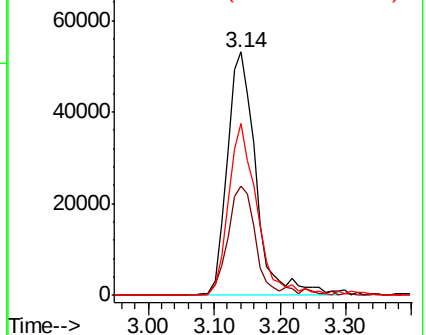
101 100

85 44.8 34.6 51.8

151 70.6 52.4 78.6



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: 23.601 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

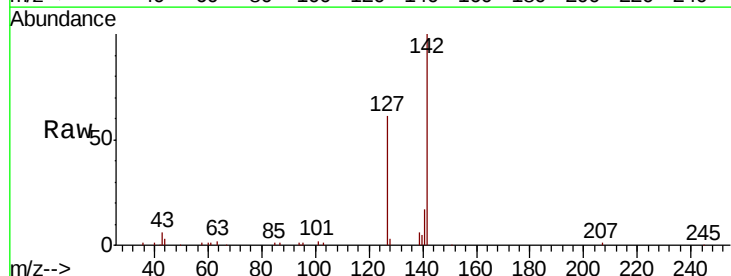
Tgt Ion:142 Resp: 204691

Ion Ratio Lower Upper

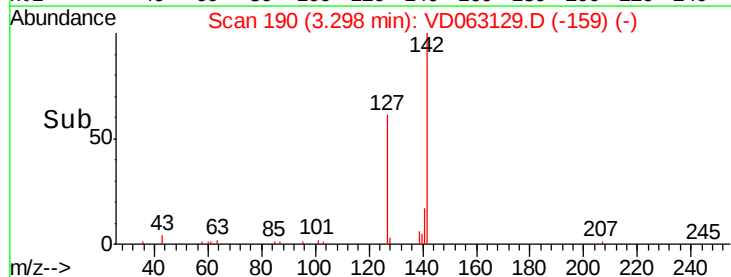
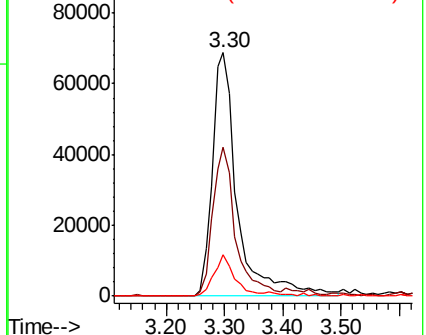
142 100

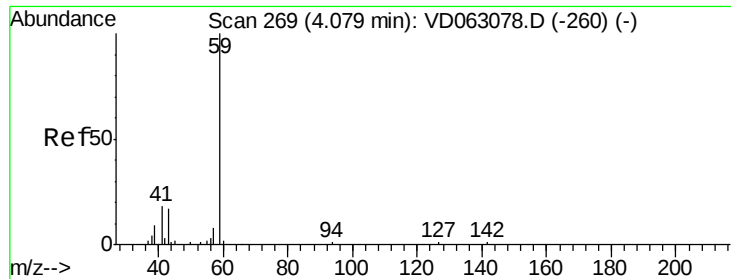
127 61.4 48.6 73.0

141 16.8 10.6 16.0#



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



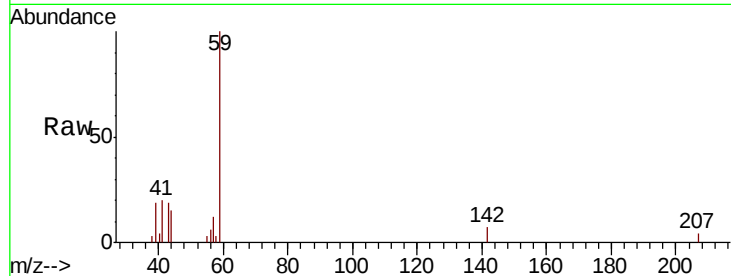


#11

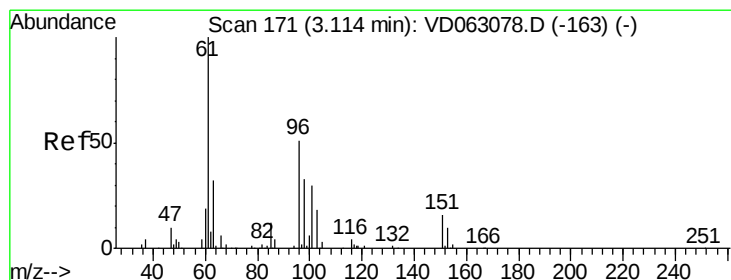
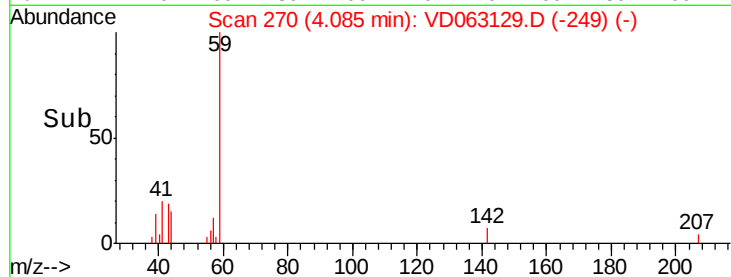
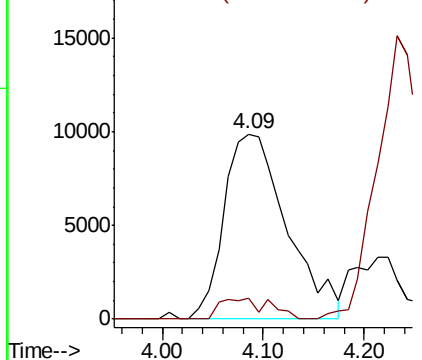
Tert butyl alcohol
Concen: 105.099 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 42846
Ion Ratio Lower Upper
59 100
57 11.5 6.4 9.6#



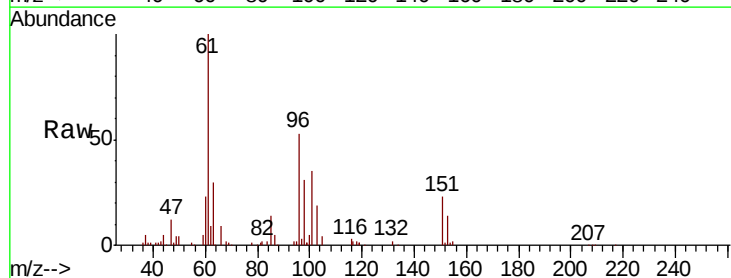
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



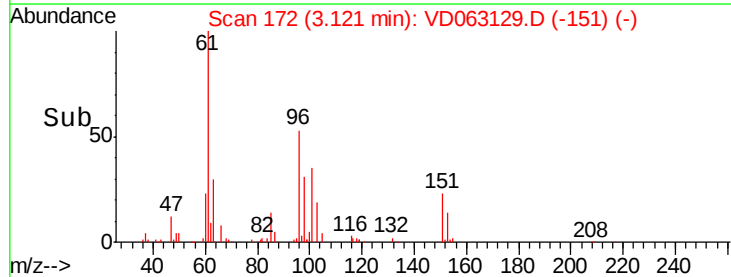
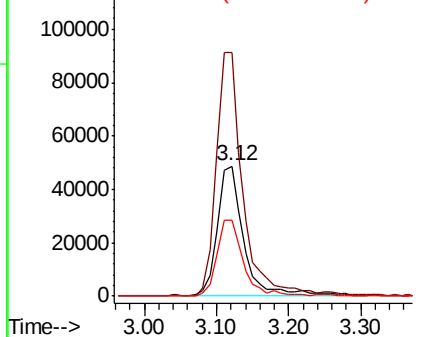
#12

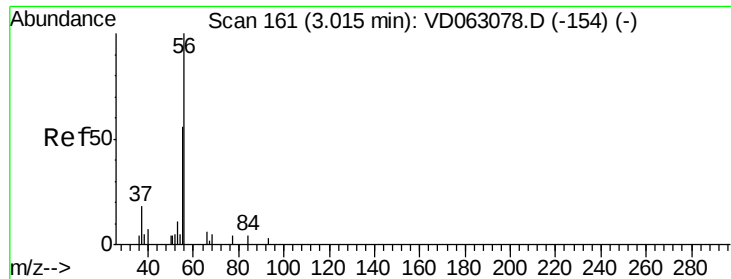
1,1-Dichloroethene
Concen: 24.450 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 96 Resp: 122657
Ion Ratio Lower Upper
96 100
61 187.0 155.5 233.3
98 58.2 51.5 77.3



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





#13

Acrolein

Concen: 130.833 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

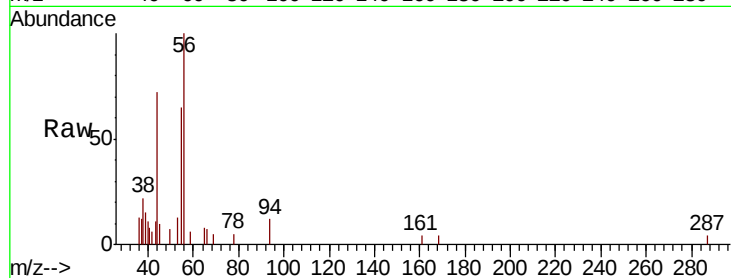
ClientSampleId :

Tot Ion: 56 Resp: 16098

Ion Ratio Lower Upper

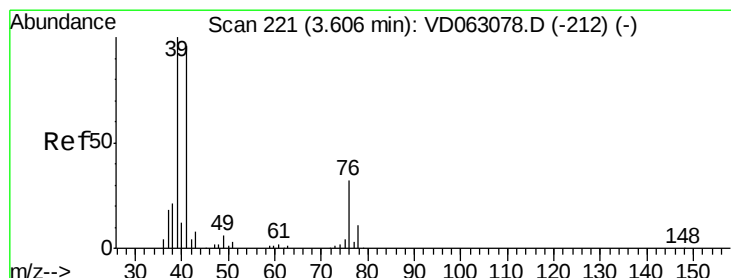
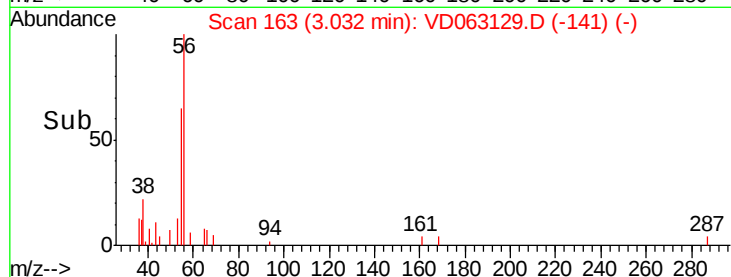
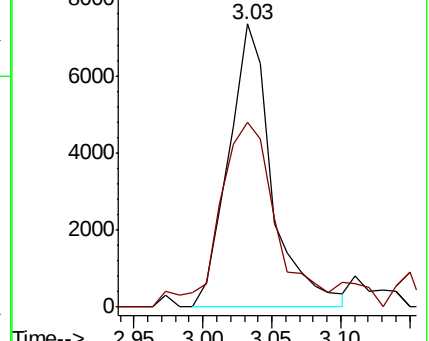
56 100

55 65.3 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.547 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

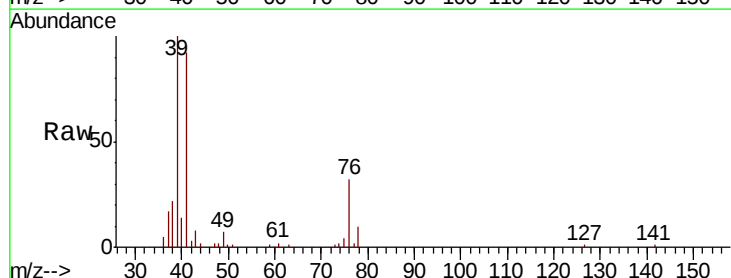
Tgt Ion: 41 Resp: 177776

Ion Ratio Lower Upper

41 100

39 108.5 83.5 125.3

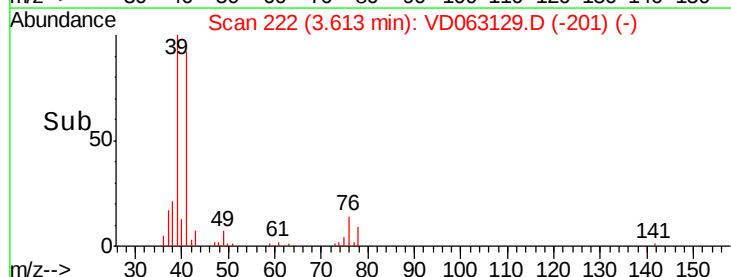
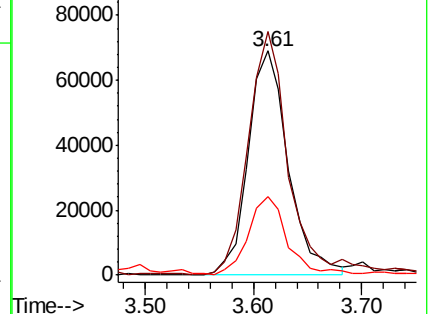
76 35.2 27.8 41.8

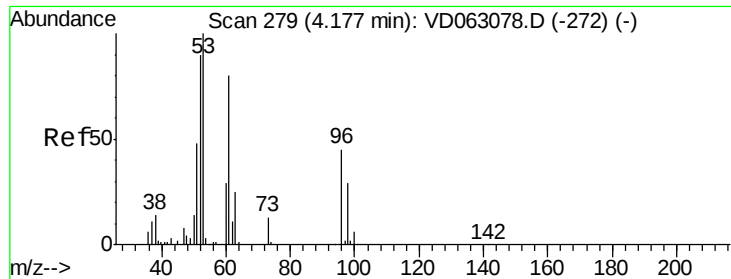


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 119.920 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

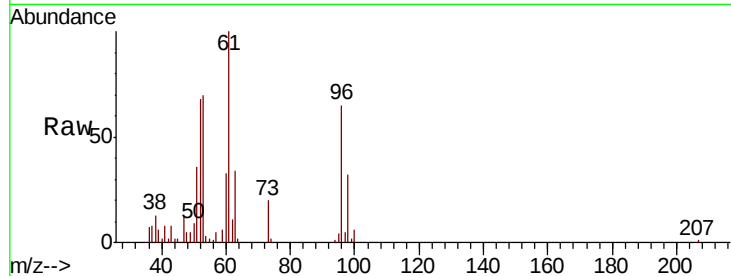
Tot Ion: 53 Resp: 108068

Ion Ratio Lower Upper

53 100

52 97.0 72.3 108.5

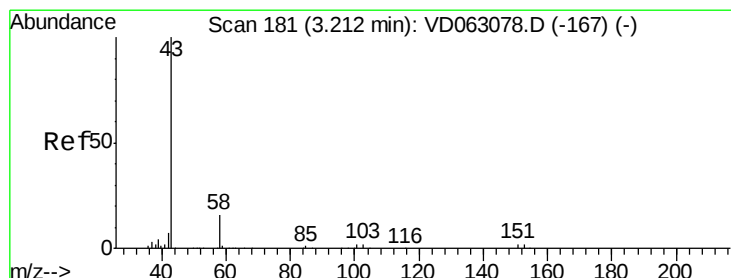
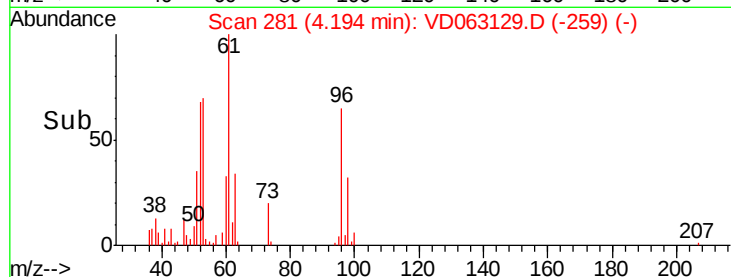
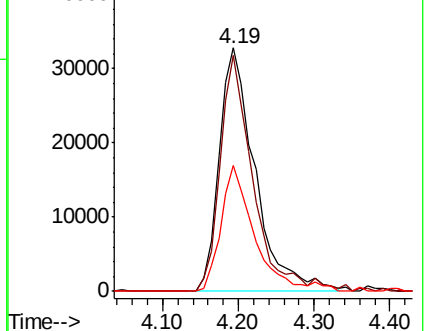
51 51.5 38.0 57.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.160 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063129.D

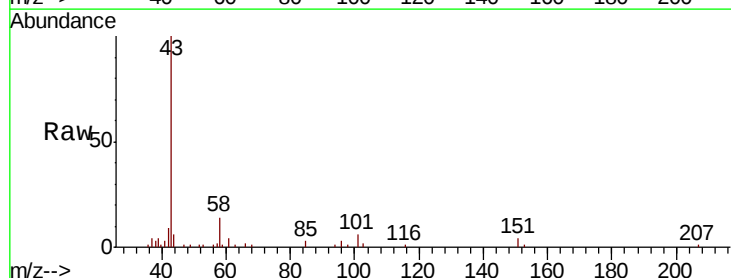
Acq: 17 Jul 2019 14:11

Tgt Ion: 43 Resp: 162360

Ion Ratio Lower Upper

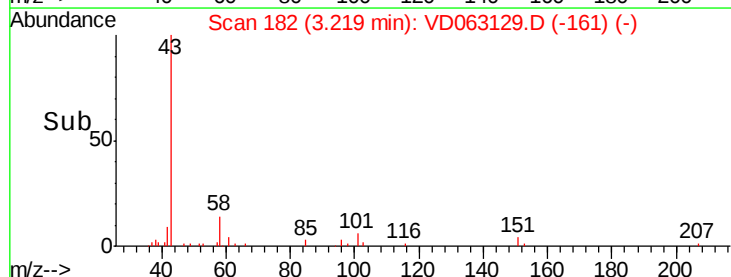
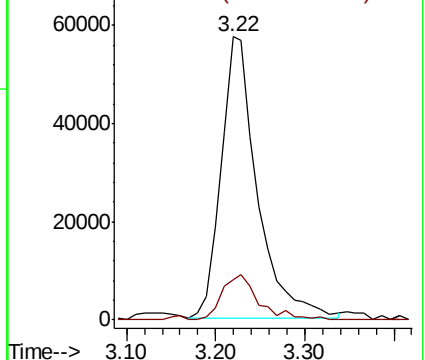
43 100

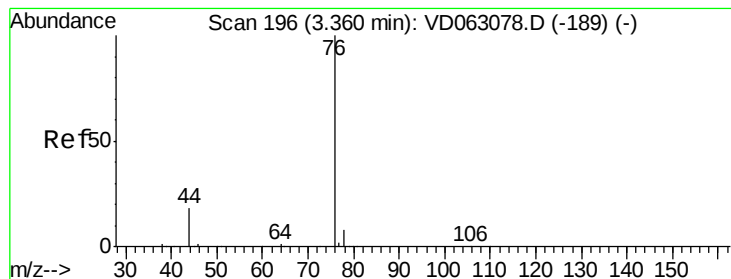
58 14.3 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 23.637 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

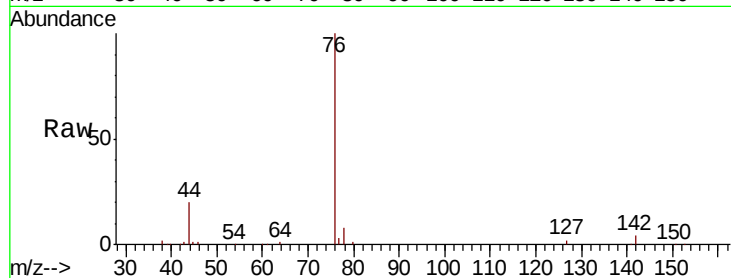
ClientSampleId :

Tot Ion: 76 Resp: 339423

Ion Ratio Lower Upper

76 100

78 8.4 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

150000

100000

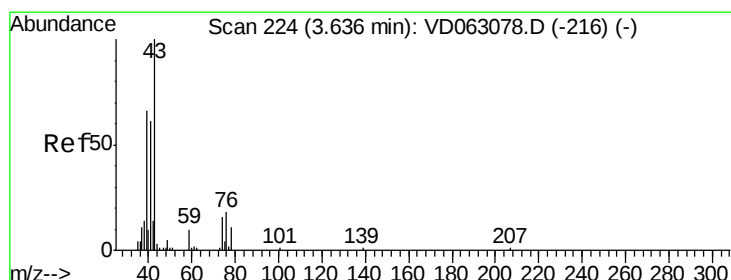
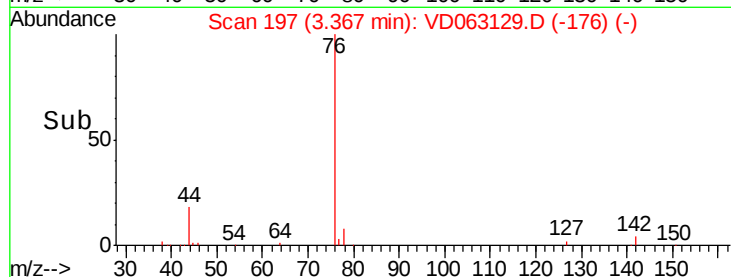
50000

0

3.30 3.40 3.50

3.37

Time-->



#18

Methyl Acetate

Concen: 34.236 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063129.D

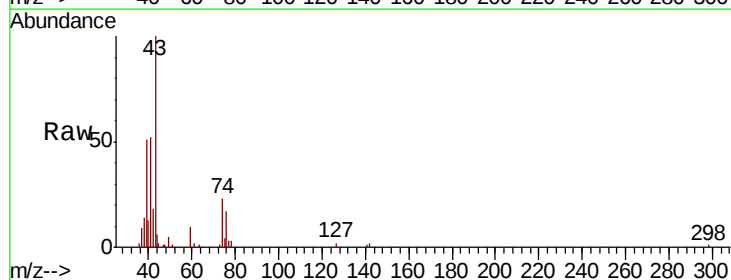
Acq: 17 Jul 2019 14:11

Tgt Ion: 43 Resp: 81480

Ion Ratio Lower Upper

43 100

74 23.2 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

20000

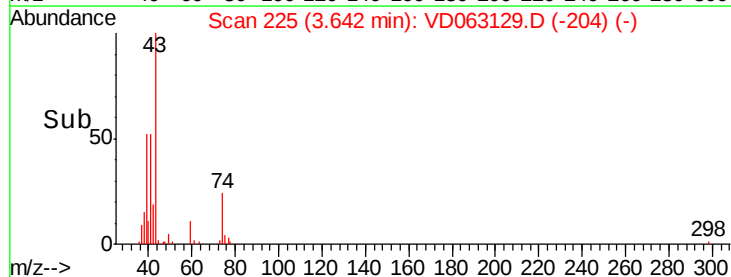
10000

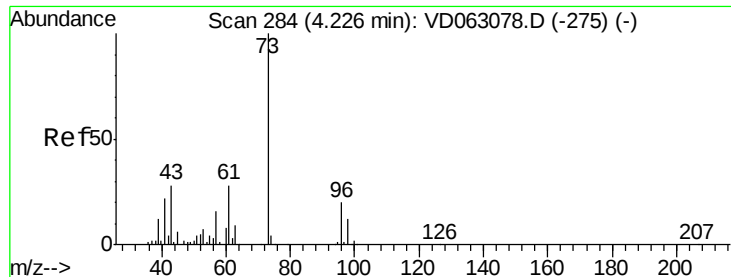
0

3.50 3.60 3.70 3.80

3.64

Time-->



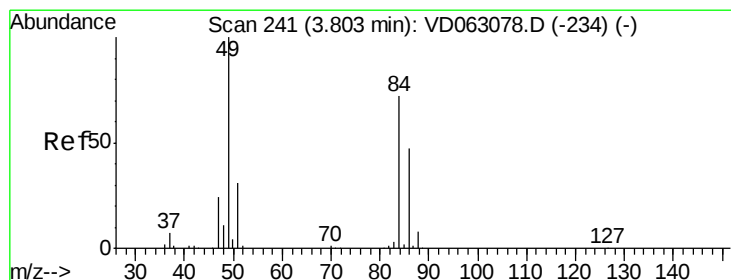
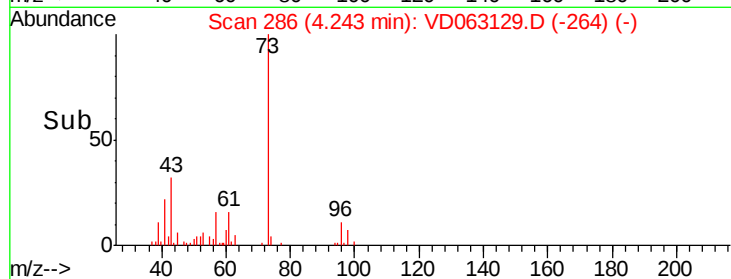
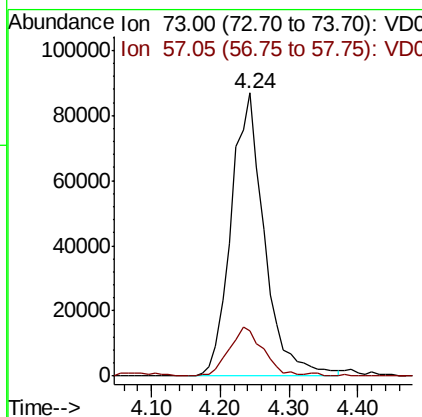
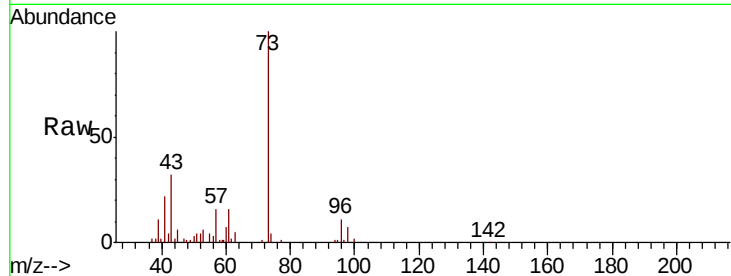


#19

Methyl tert-butyl Ether
 Concen: 22.995 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

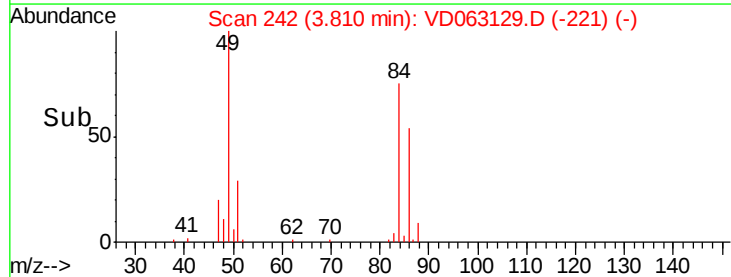
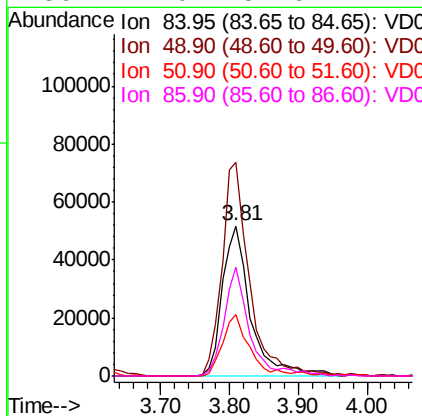
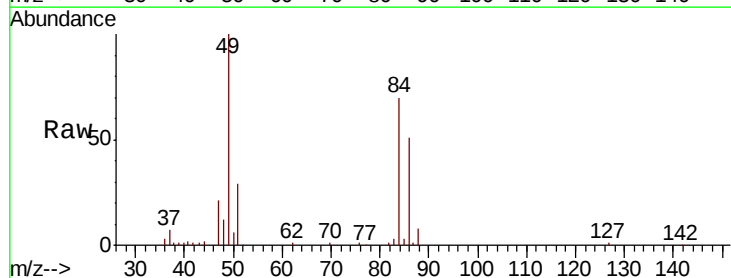
Tot Ion: 73 Resp: 291203
 Ion Ratio Lower Upper
 73 100
 57 16.2 13.1 19.7

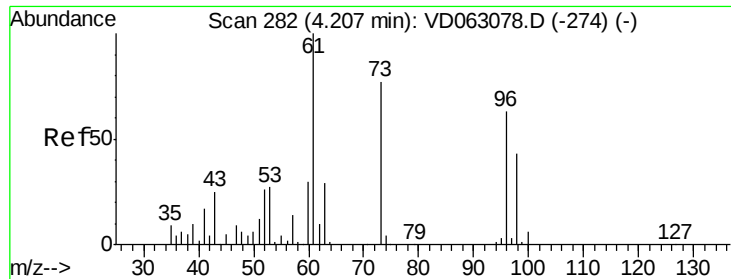


#20

Methylene Chloride
 Concen: 22.775 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion: 84 Resp: 146806
 Ion Ratio Lower Upper
 84 100
 49 142.1 110.5 165.7
 51 40.9 34.6 51.8
 86 72.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 23.782 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampled :

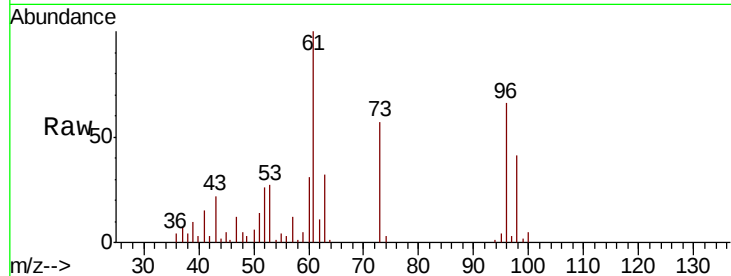
Tot Ion: 96 Resp: 132447

Ion Ratio Lower Upper

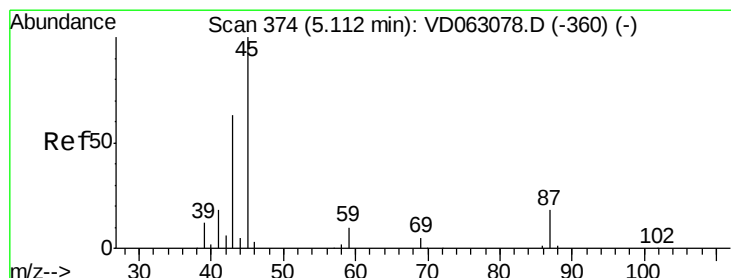
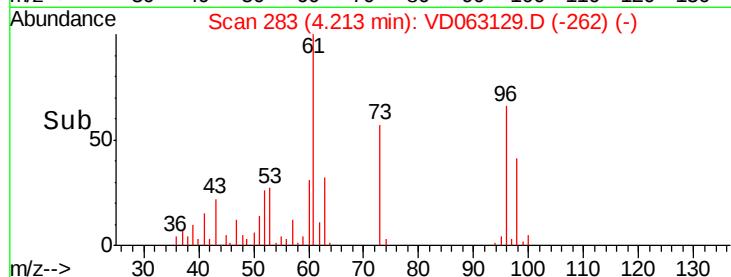
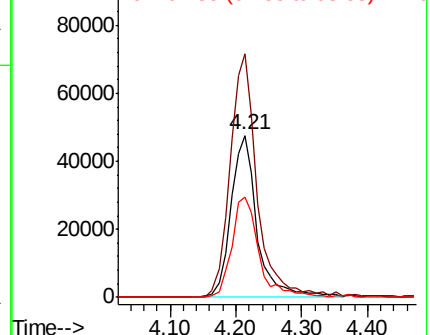
96 100

61 150.5 128.0 192.0

98 61.7 55.2 82.8



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



#22

Diisopropyl ether

Concen: 24.394 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Tgt Ion: 45 Resp: 418179

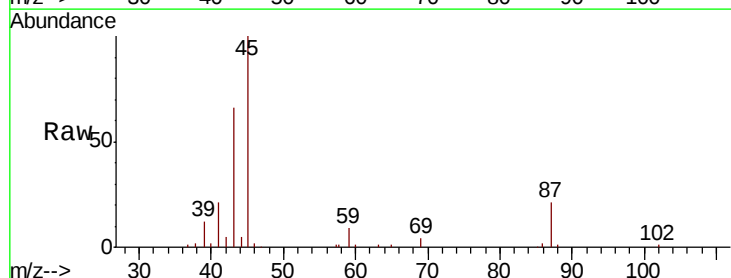
Ion Ratio Lower Upper

45 100

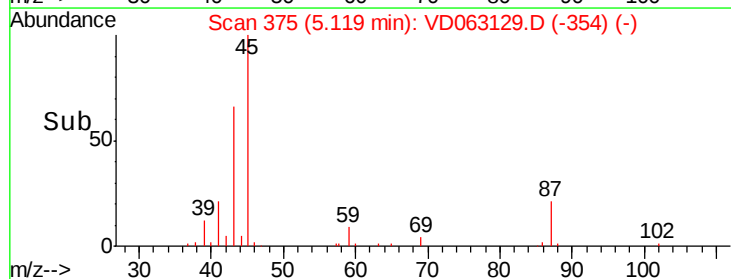
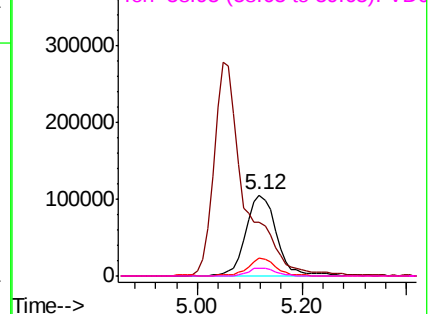
43 66.4 50.5 75.7

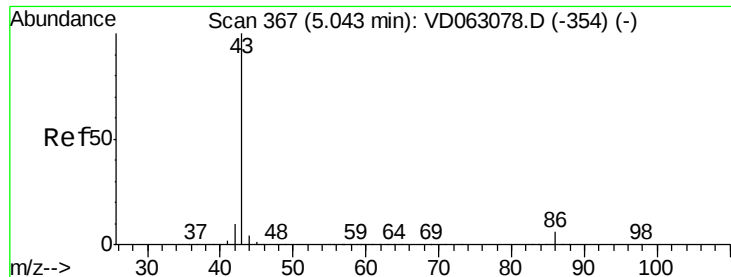
87 21.3 15.1 22.7

59 9.5 7.6 11.4



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: 111.640 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

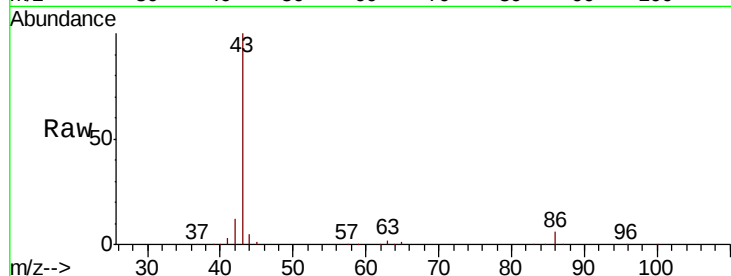
ClientSampleId :

Tot Ion: 43 Resp: 1116528

Ion Ratio Lower Upper

43 100

86 5.9 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

300000

250000

200000

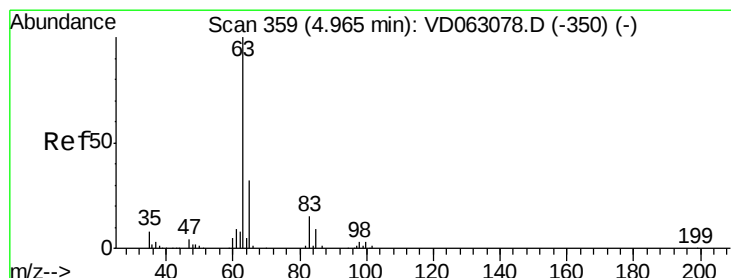
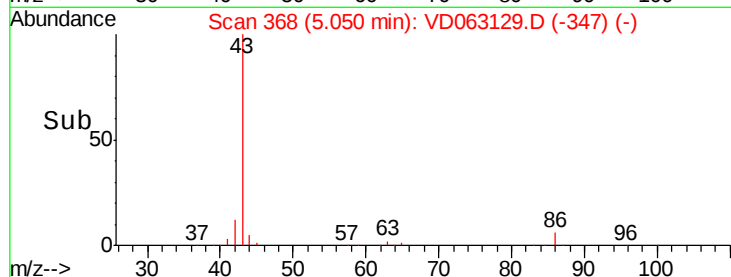
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.272 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

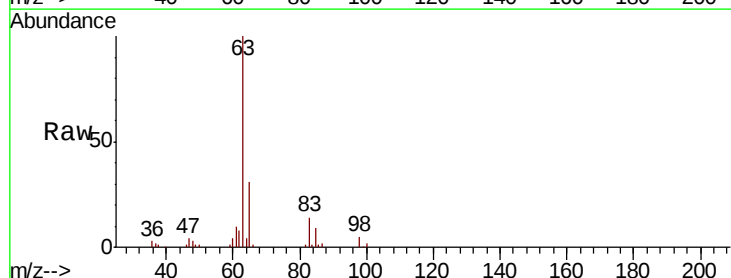
Tgt Ion: 63 Resp: 256303

Ion Ratio Lower Upper

63 100

98 5.2 1.7 5.1#

100 2.1 1.5 4.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

80000

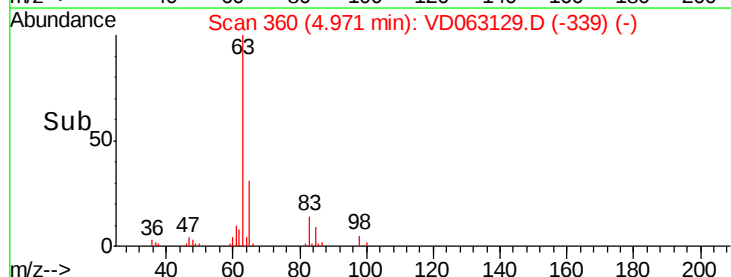
60000

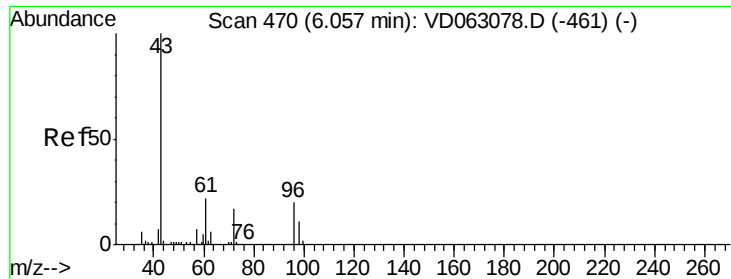
40000

20000

0

Time-->





#25

2-Butanone

Concen: 111.453 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

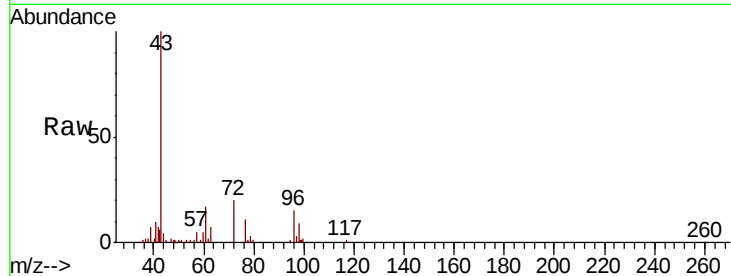
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 181585

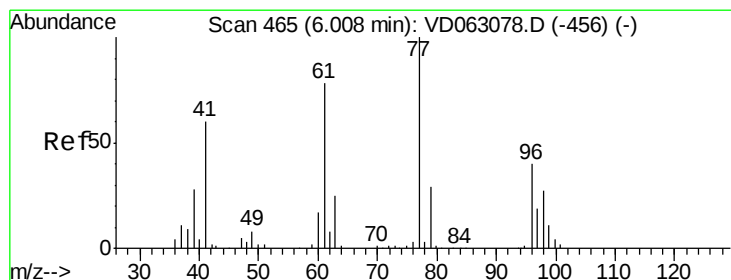
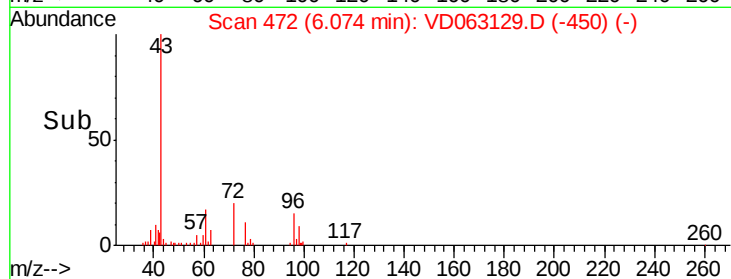
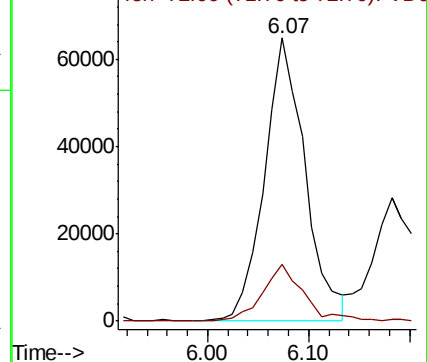
Ion Ratio Lower Upper

43 100

72 19.9 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.861 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD063129.D

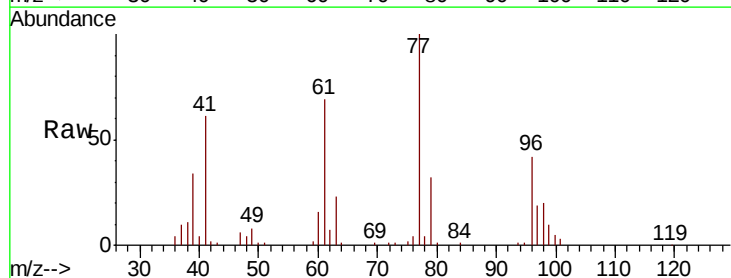
Acq: 17 Jul 2019 14:11

Tgt Ion: 77 Resp: 267166

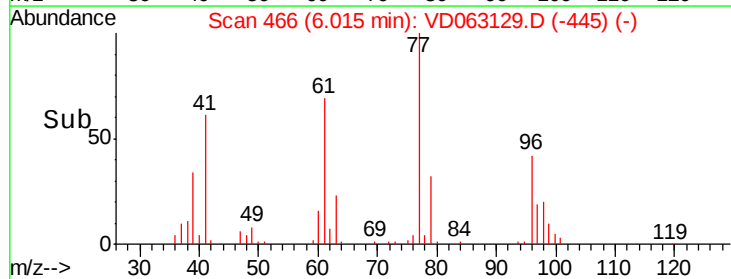
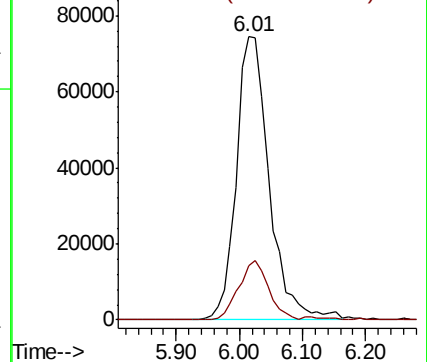
Ion Ratio Lower Upper

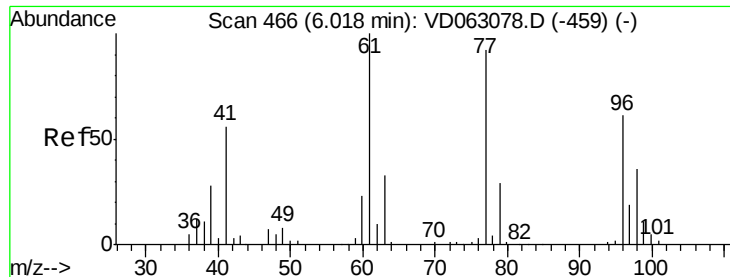
77 100

97 19.3 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



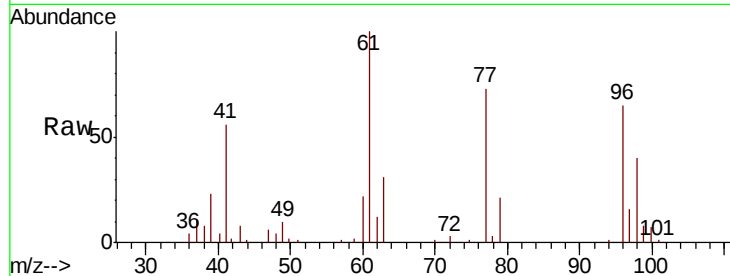


#27

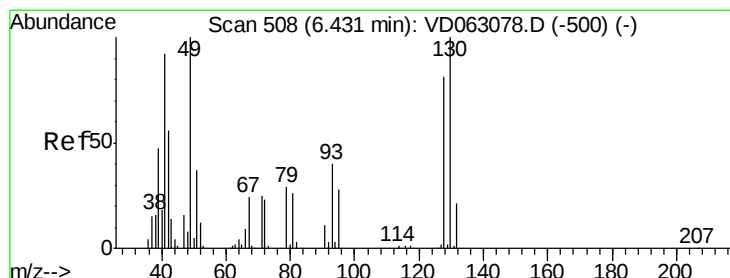
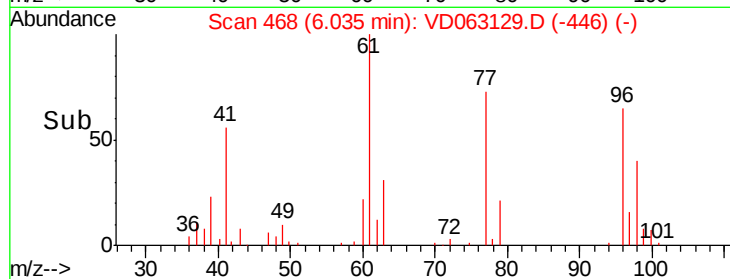
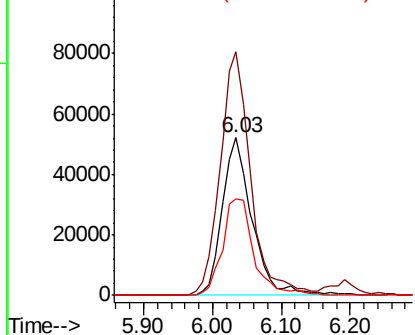
cis-1,2-Dichloroethene
Concen: 24.503 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.02 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 155232
Ion Ratio Lower Upper
96 100
61 154.7 0.0 329.6
98 61.1 0.0 118.4



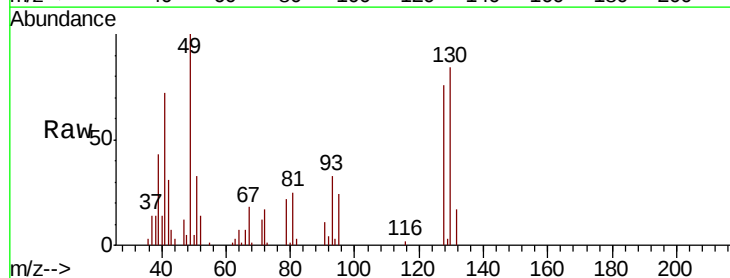
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



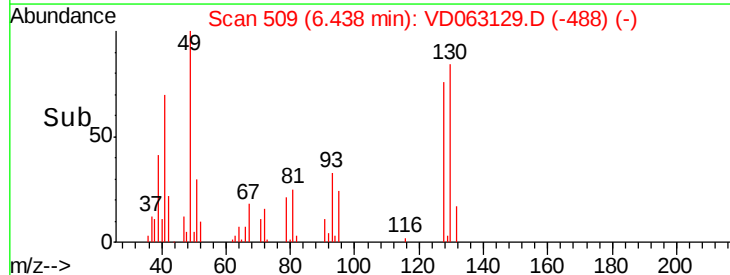
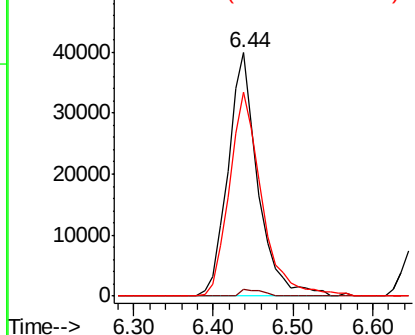
#28

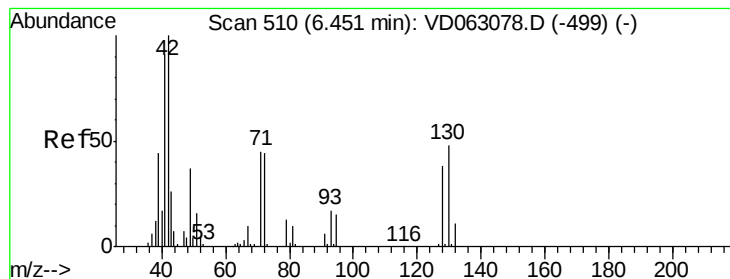
Bromochloromethane
Concen: 27.270 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 49 Resp: 104471
Ion Ratio Lower Upper
49 100
129 2.5 0.0 3.6
130 83.7 80.3 120.5



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





#29

Tetrahydrofuran

Concen: 119.350 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

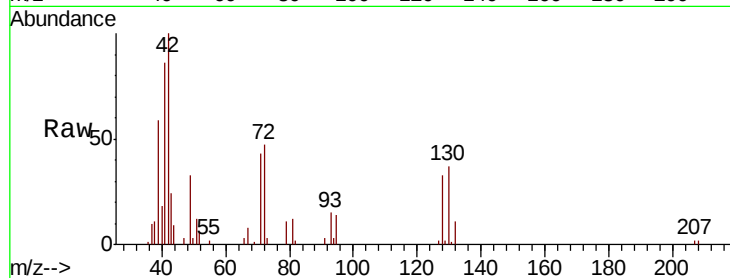
Tot Ion: 42 Resp: 88146

Ion Ratio Lower Upper

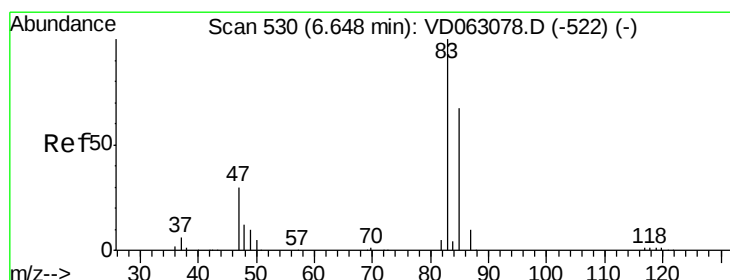
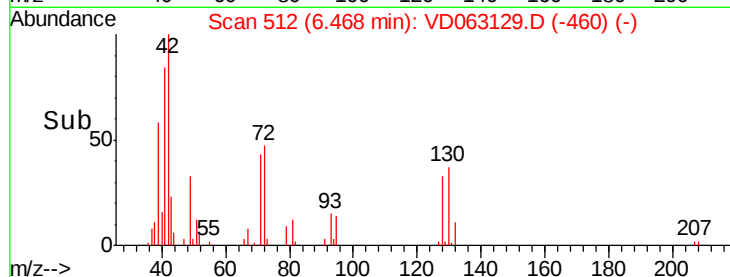
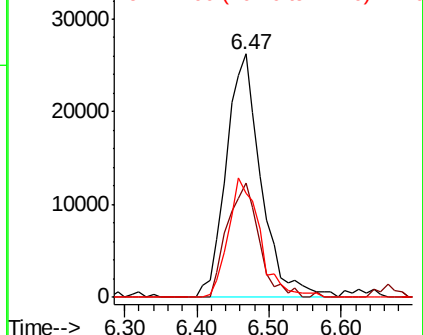
42 100

72 42.9 33.7 50.5

71 44.9 34.2 51.2



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 25.141 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.02 min

Lab File: VD063129.D

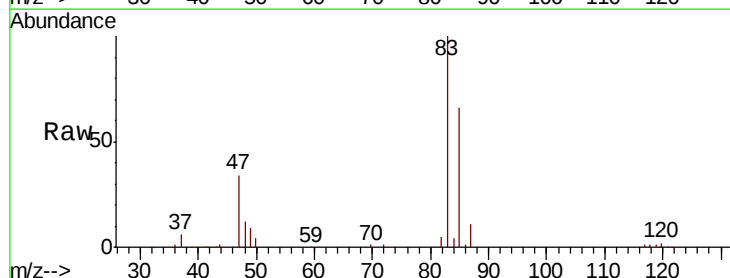
Acq: 17 Jul 2019 14:11

Tgt Ion: 83 Resp: 326952

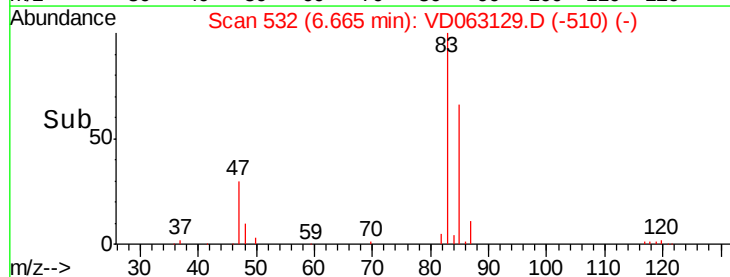
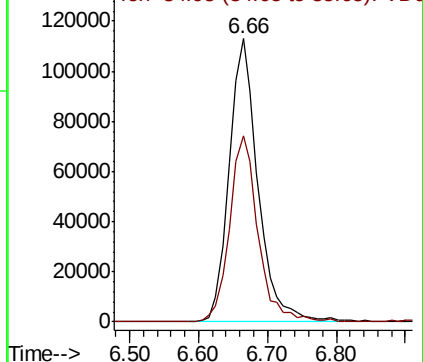
Ion Ratio Lower Upper

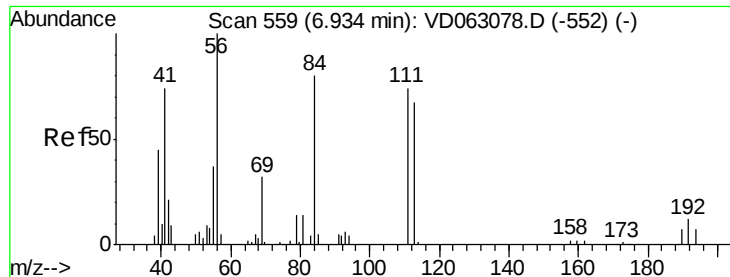
83 100

85 65.7 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

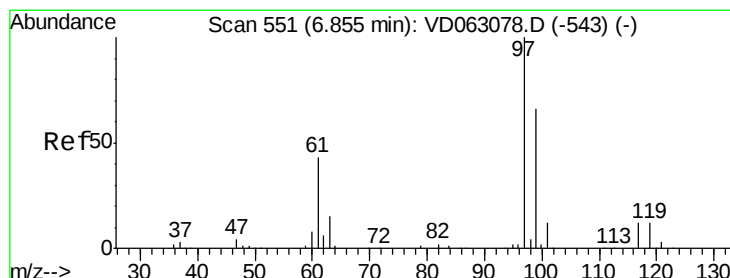
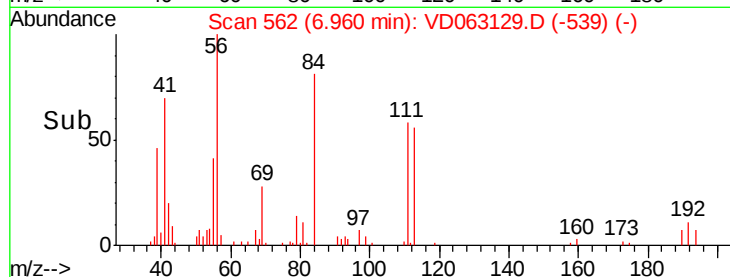
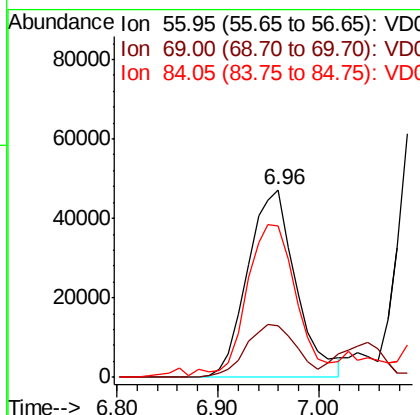
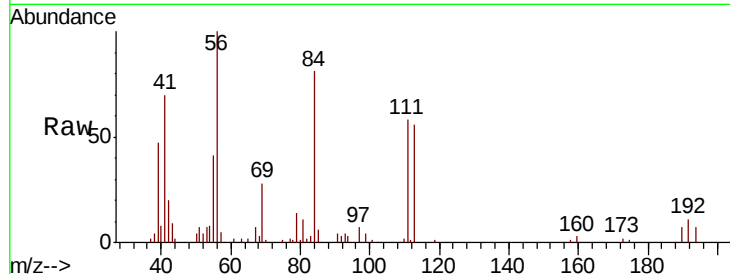




#31
Cyclohexane
Concen: 23.316 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.03 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

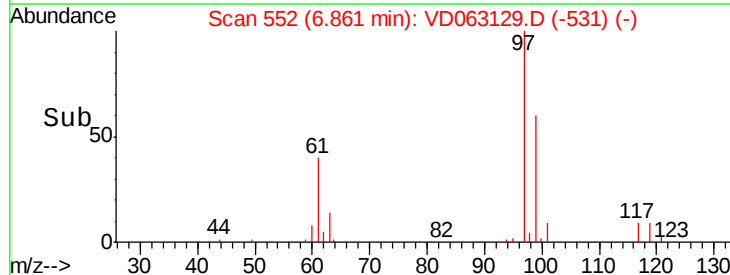
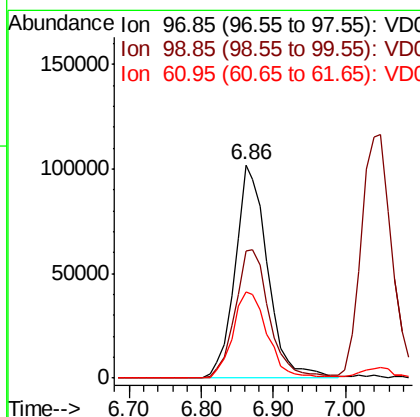
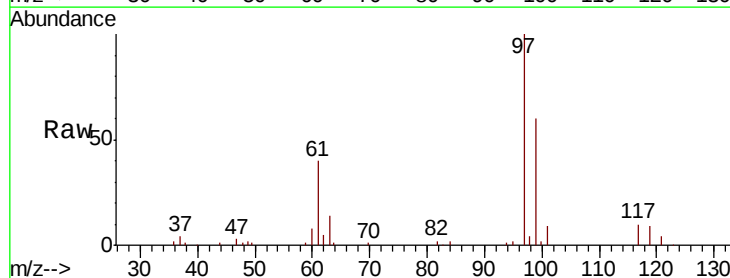
Instrument :
MSVOA_D
ClientSampleId :

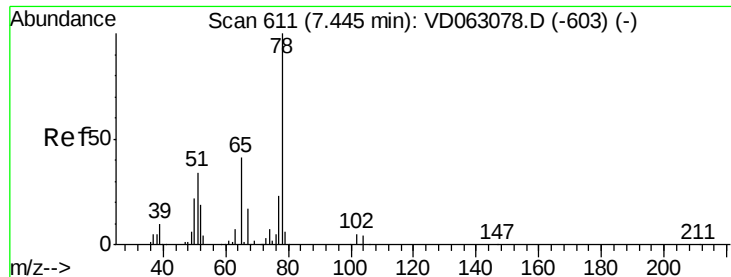
Tot Ion: 56 Resp: 156794
Ion Ratio Lower Upper
56 100
69 27.9 25.3 37.9
84 80.8 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 24.948 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 97 Resp: 319932
Ion Ratio Lower Upper
97 100
99 59.7 52.9 79.3
61 40.4 34.4 51.6

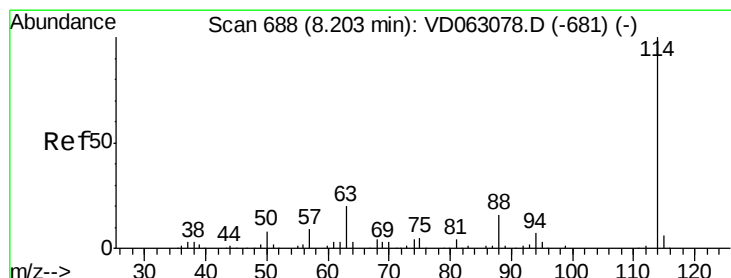
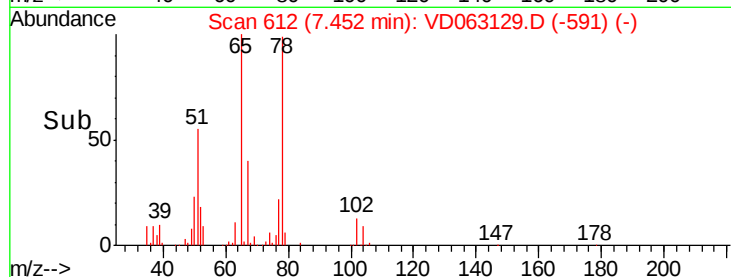
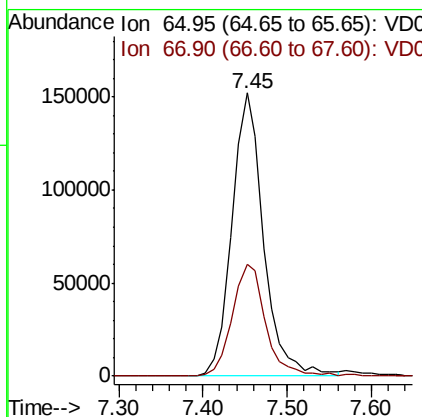
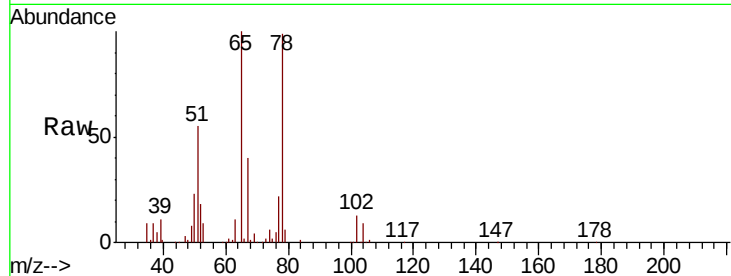




#33
 1,2-Dichloroethane-d4
 Concen: 56.206 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

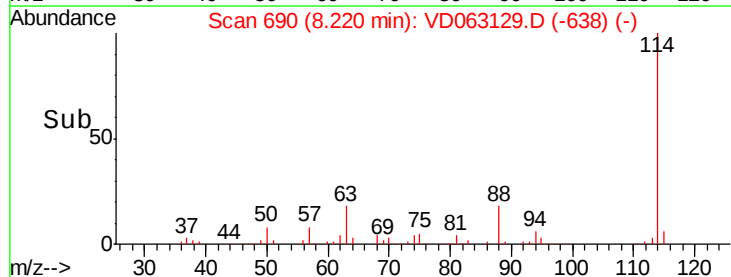
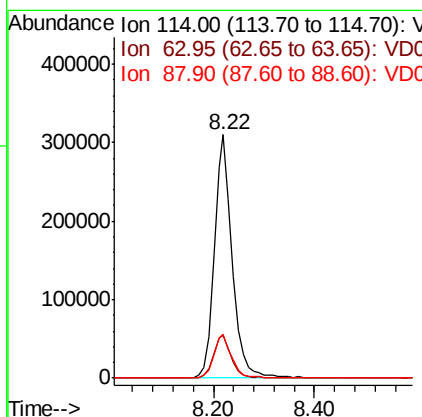
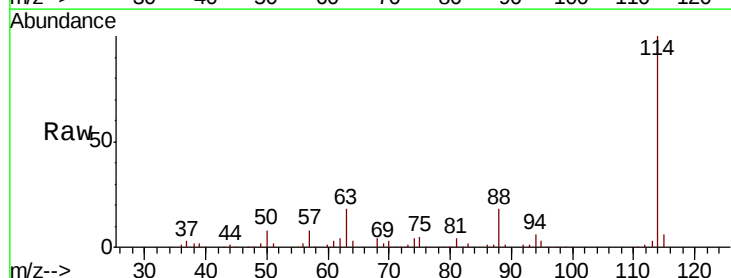
Instrument :
 MSVOA_D
 ClientSampleId :

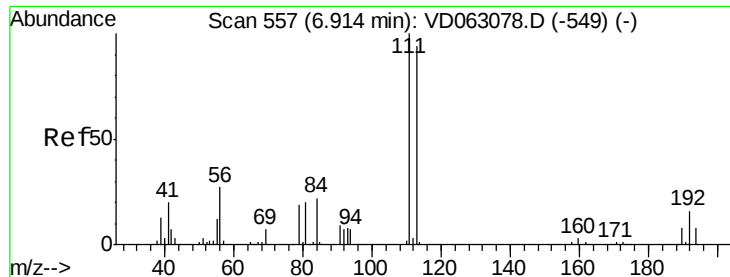
Tot Ion: 65 Resp: 397041
 Ion Ratio Lower Upper
 65 100
 67 39.6 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion: 114 Resp: 771334
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 40.6
 88 17.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.494 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

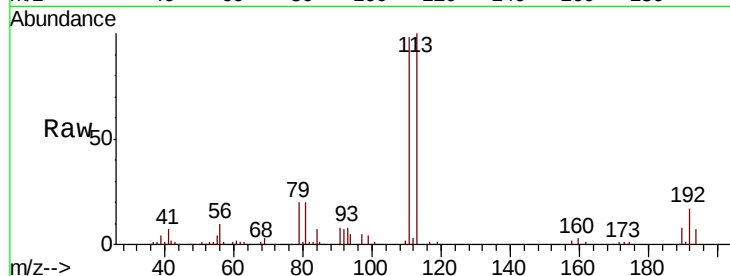
Tot Ion:113 Resp: 434028

Ion Ratio Lower Upper

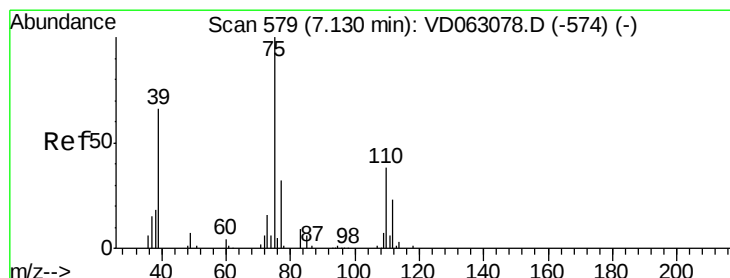
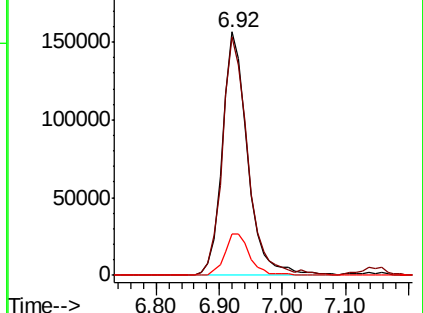
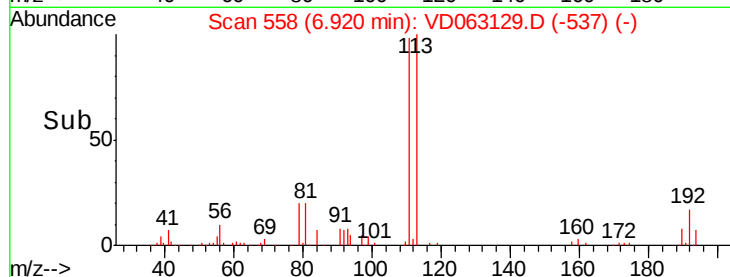
113 100

111 98.0 84.8 127.2

192 16.9 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.231 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

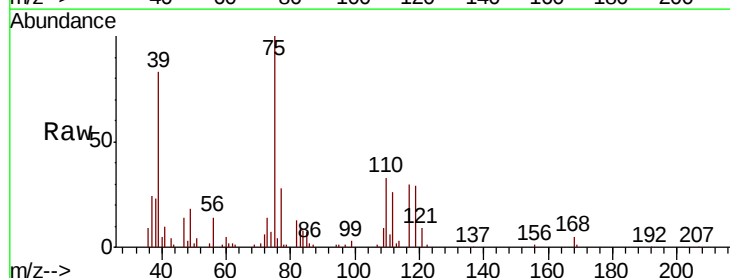
Tgt Ion: 75 Resp: 184178

Ion Ratio Lower Upper

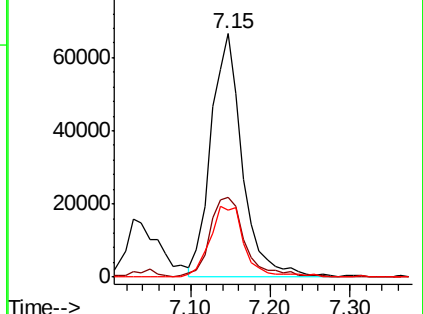
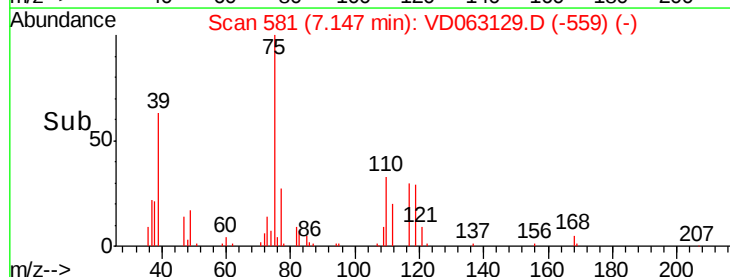
75 100

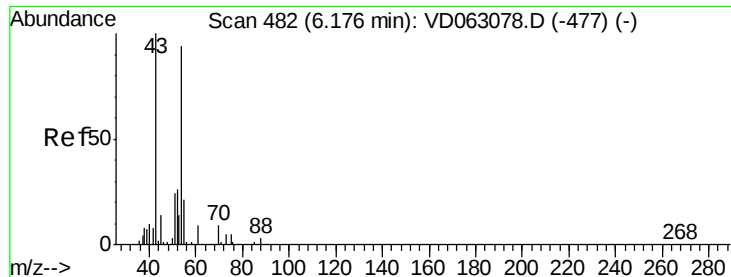
110 32.6 18.9 56.5

77 27.6 25.2 37.8



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

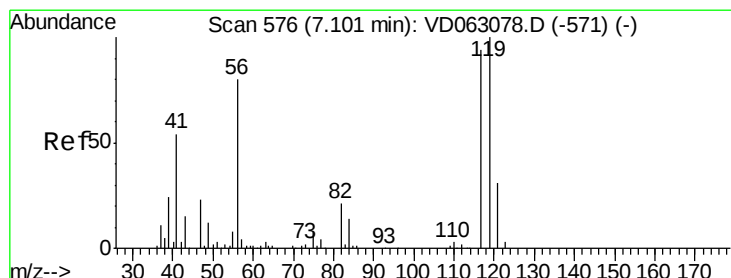
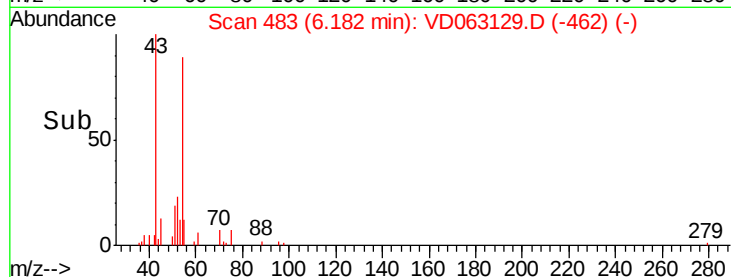
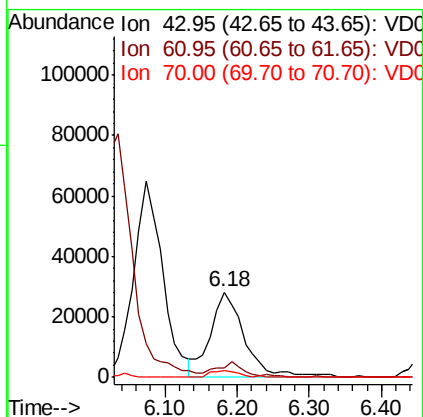
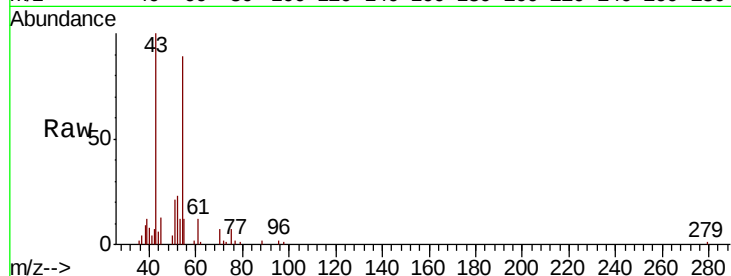




#37
Ethyl Acetate
Concen: 24.995 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

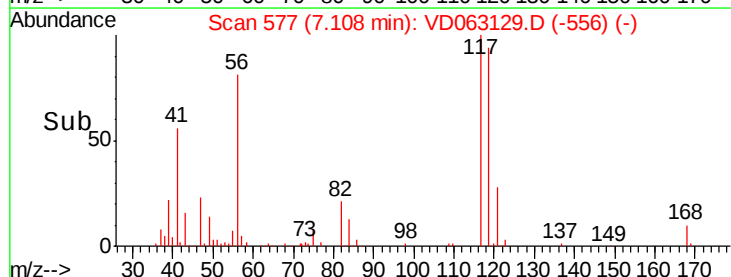
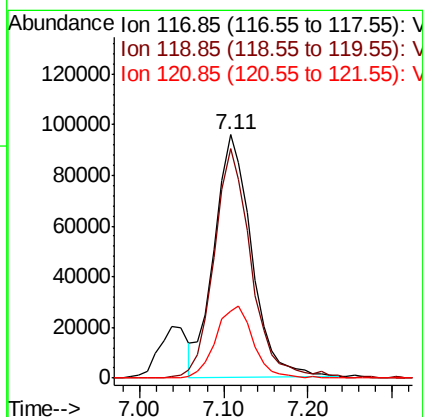
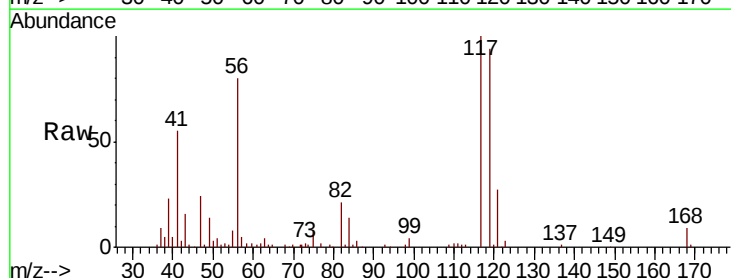
Instrument :
MSVOA_D
ClientSampled :

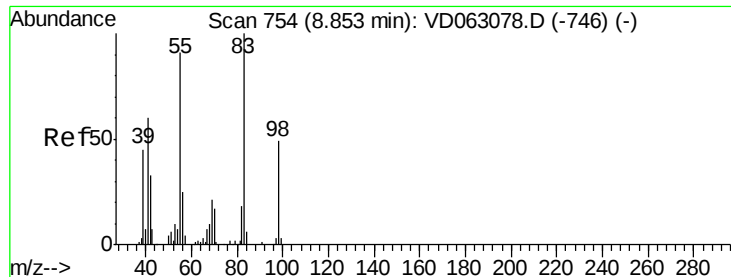
Tot Ion: 43 Resp: 92798
Ion Ratio Lower Upper
43 100
61 11.6 10.6 16.0
70 7.3 6.6 9.8



#38
Carbon Tetrachloride
Concen: 22.419 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 117 Resp: 295528
Ion Ratio Lower Upper
117 100
119 94.1 80.0 120.0
121 27.3 25.0 37.4

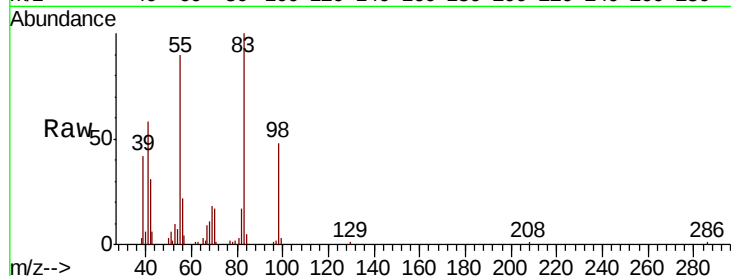




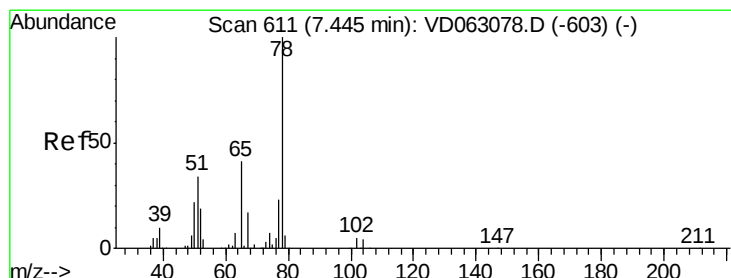
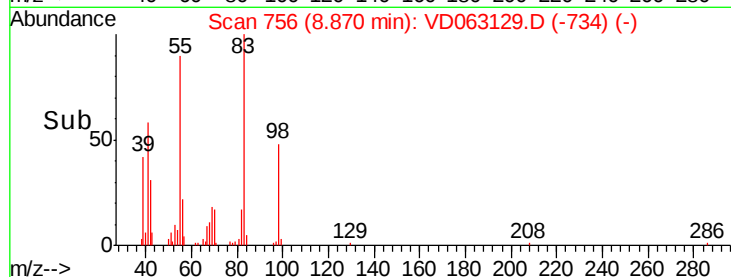
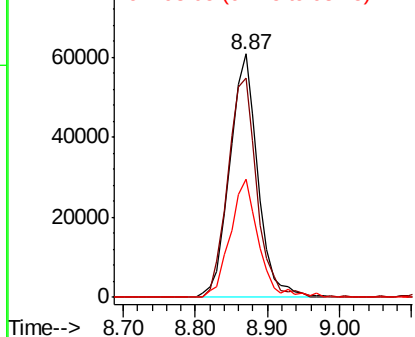
#39
Methvlcvclohexane
Concen: 22.003 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 165021
Ion Ratio Lower Upper
83 100
55 90.2 73.0 109.4
98 48.5 39.4 59.0

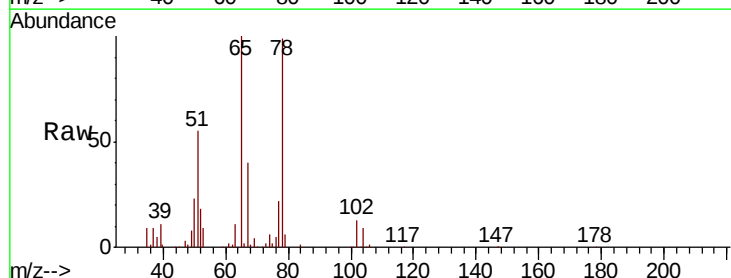


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

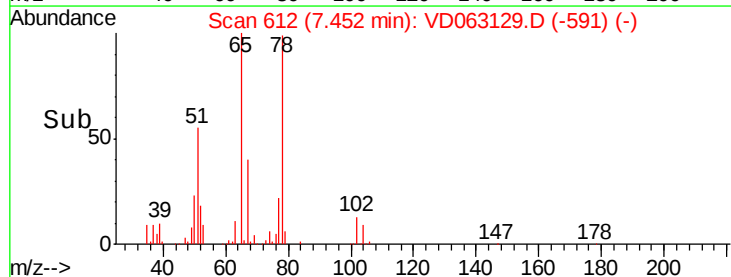
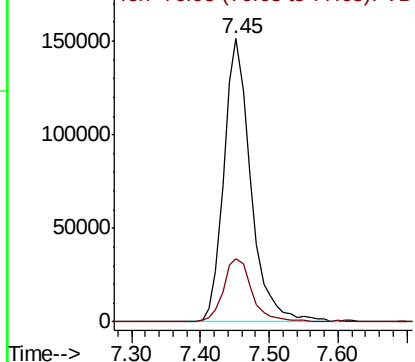


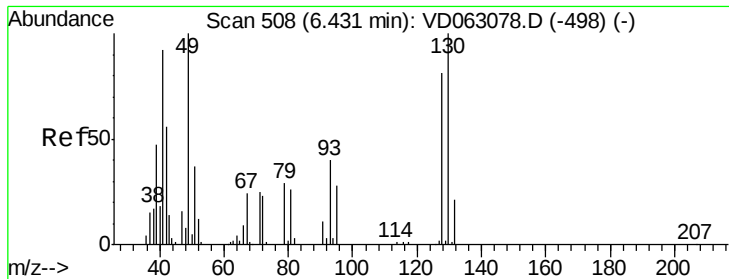
#40
Benzene
Concen: 22.567 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 78 Resp: 410027
Ion Ratio Lower Upper
78 100
77 22.3 18.1 27.1



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





#41

Methacrylonitrile

Concen: 24.802 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 124843

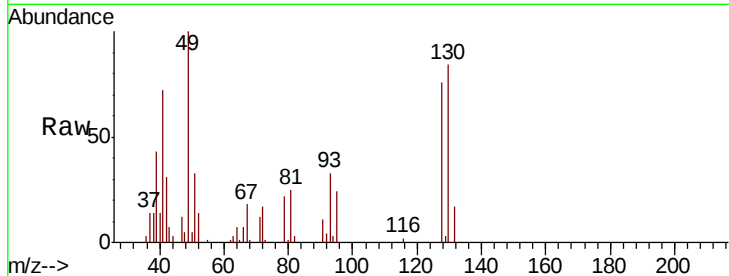
Ion Ratio Lower Upper

41 100

39 59.4 41.0 61.6

67 25.5 21.3 31.9

52 19.3 10.5 15.7#

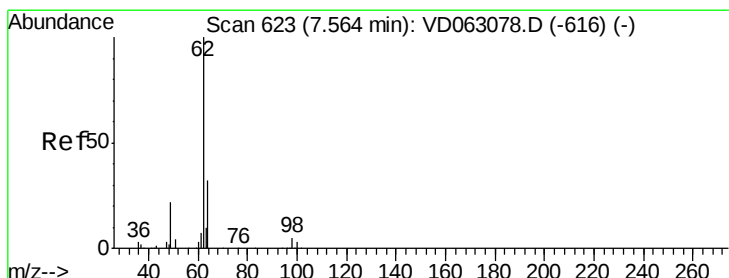
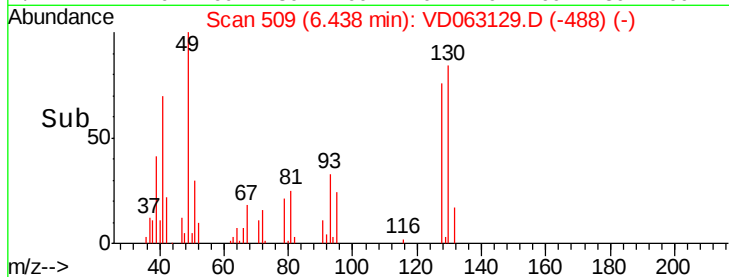
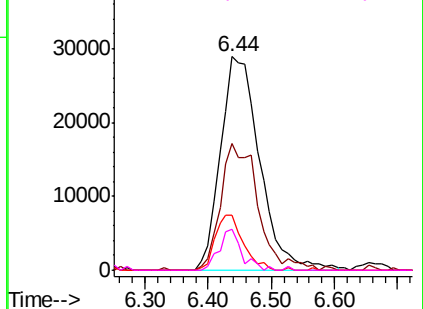


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 24.022 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD063129.D

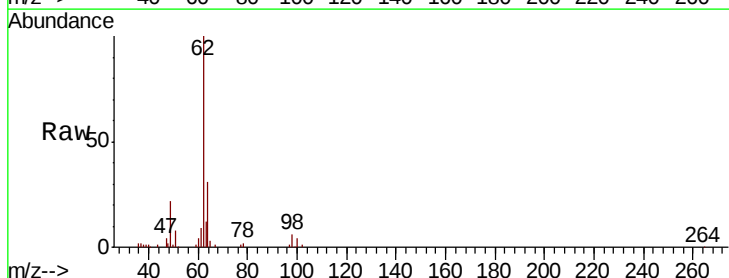
Acq: 17 Jul 2019 14:11

Tgt Ion: 62 Resp: 232529

Ion Ratio Lower Upper

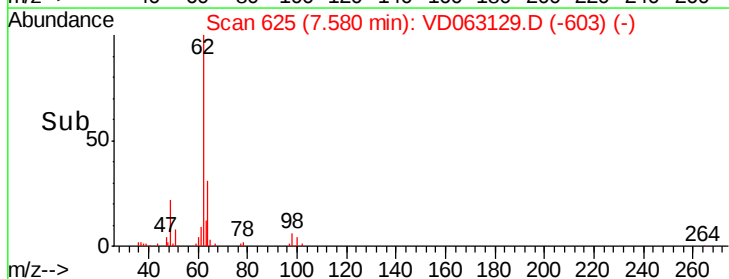
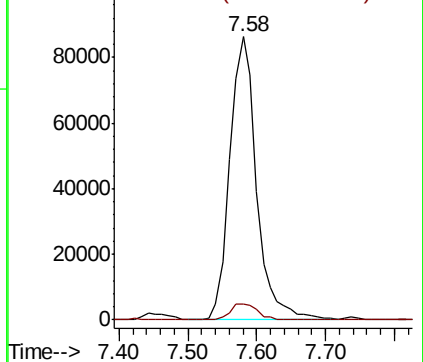
62 100

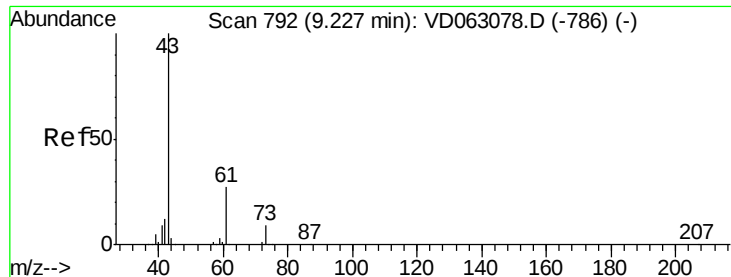
98 5.6 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.096 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

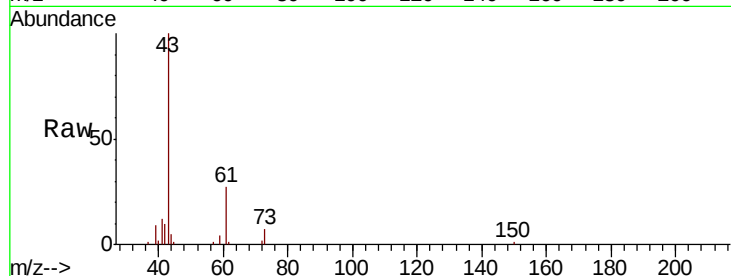
Tot Ion: 43 Resp: 122908

Ion Ratio Lower Upper

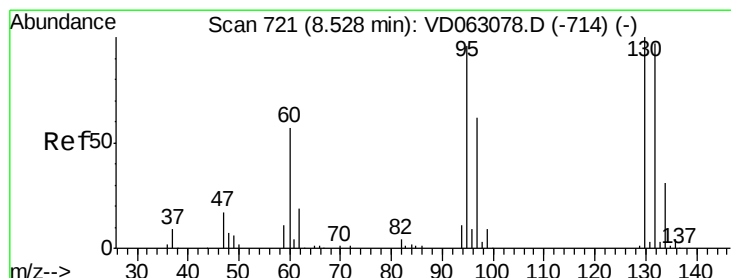
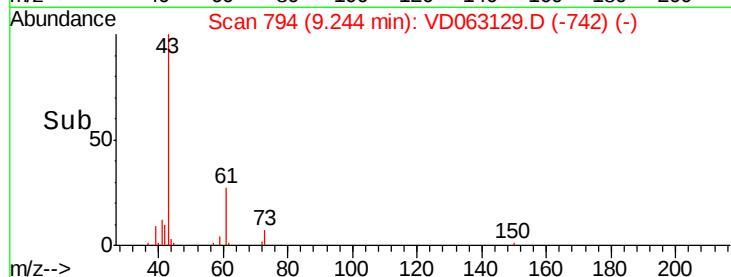
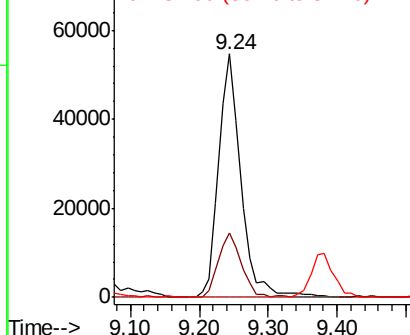
43 100

61 26.6 21.7 32.5

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: 23.013 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD063129.D

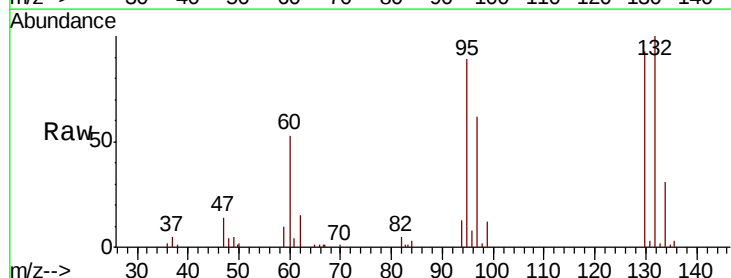
Acq: 17 Jul 2019 14:11

Tgt Ion:130 Resp: 161593

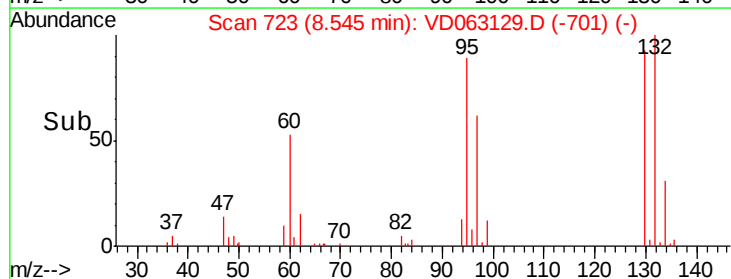
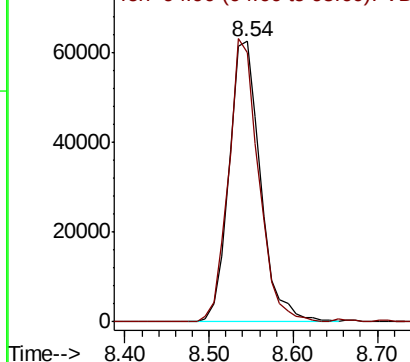
Ion Ratio Lower Upper

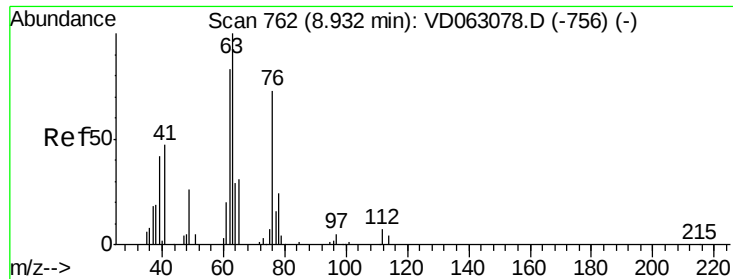
130 100

95 95.9 0.0 191.4



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





#45

1,2-Dichloropropane

Concen: 22.955 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

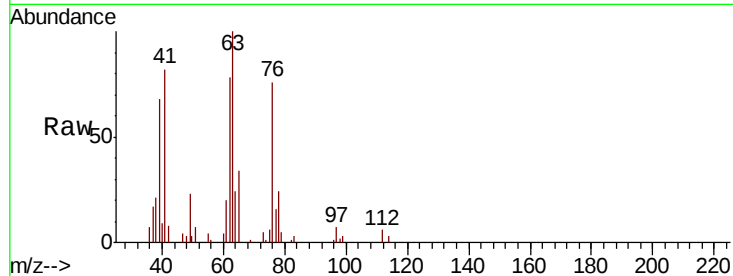
ClientSampleId :

Tot Ion: 63 Resp: 103985

Ion Ratio Lower Upper

63 100

65 34.4 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

40000

30000

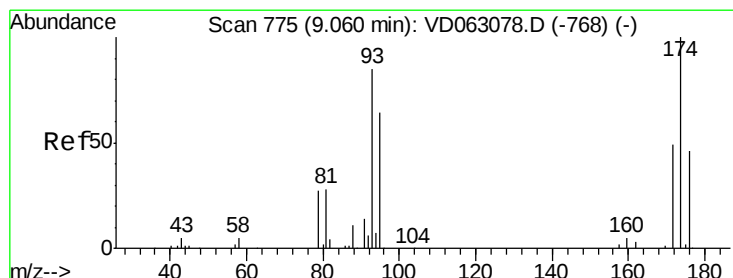
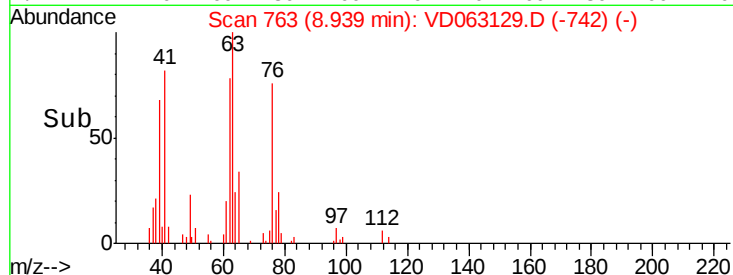
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 22.632 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

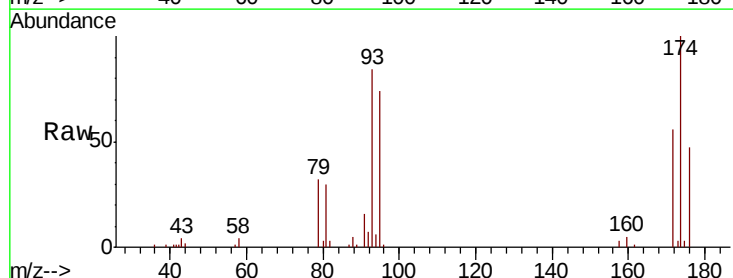
Tgt Ion: 93 Resp: 88098

Ion Ratio Lower Upper

93 100

95 88.4 59.7 89.5

174 118.7 93.9 140.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

9.07

40000

30000

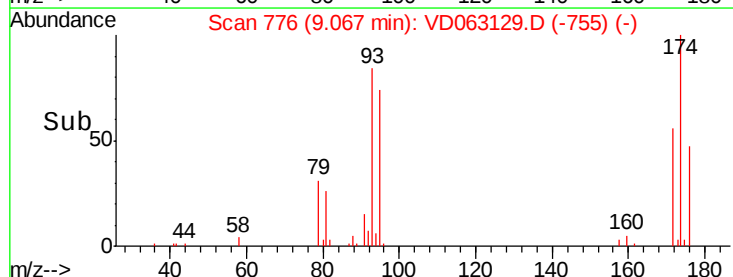
20000

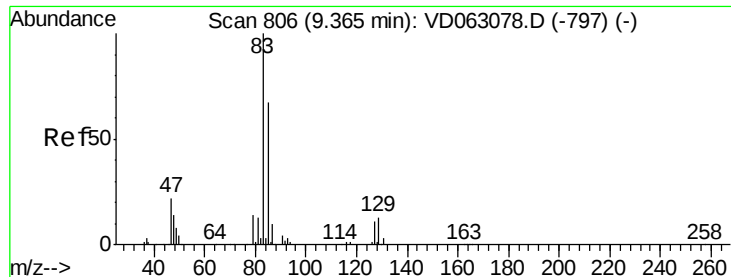
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 21.555 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

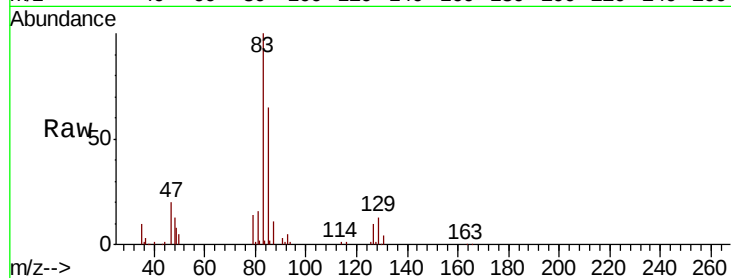
Tot Ion: 83 Resp: 218960

Ion Ratio Lower Upper

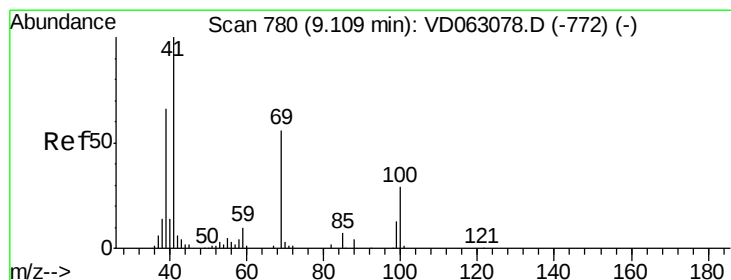
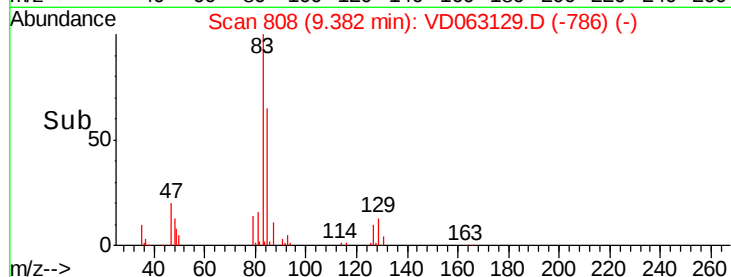
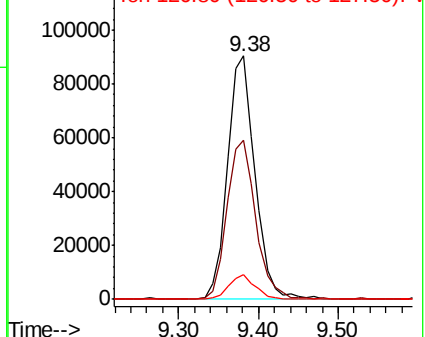
83 100

85 65.4 53.7 80.5

127 10.2 9.0 13.6



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: 21.411 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

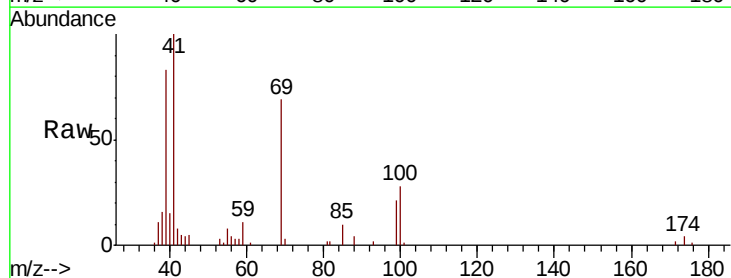
Tgt Ion: 41 Resp: 74825

Ion Ratio Lower Upper

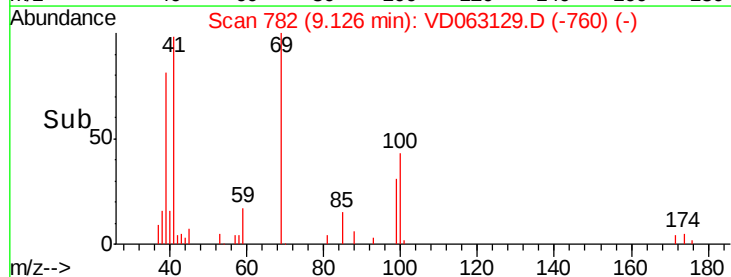
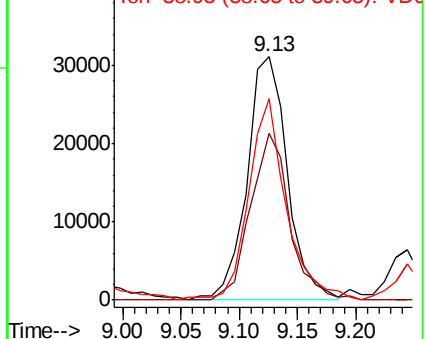
41 100

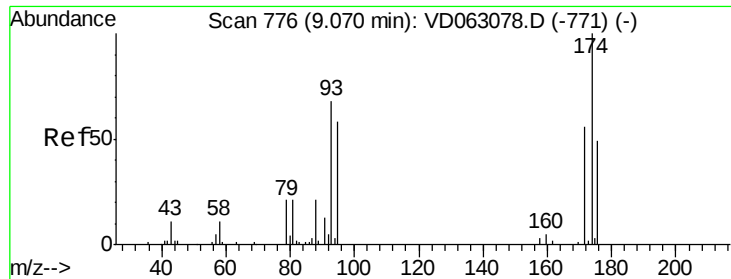
69 68.6 44.3 66.5#

39 82.8 52.6 78.8#



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: 463.256 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :

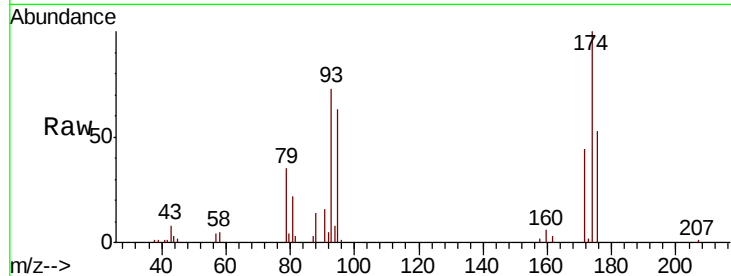
Tot Ion: 88 Resp: 13962

Ion Ratio Lower Upper

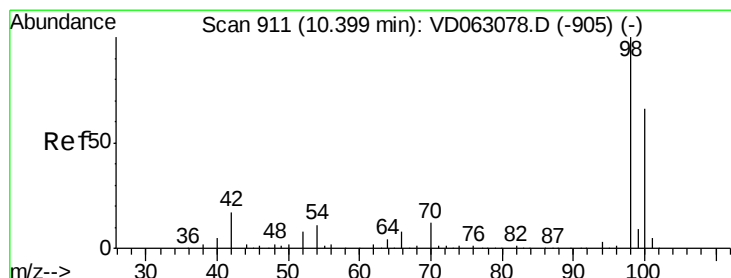
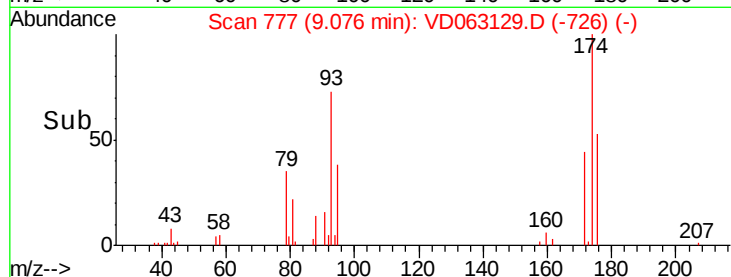
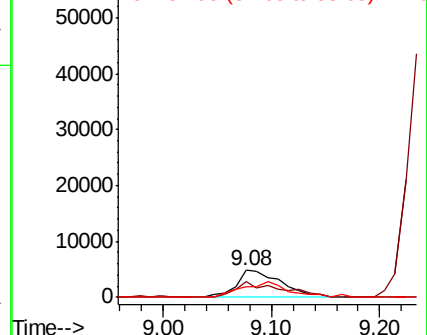
88 100

43 59.0 40.2 60.4

58 38.7 41.6 62.4#



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



#50

Toluene-d8

Concen: 52.366 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD063129.D

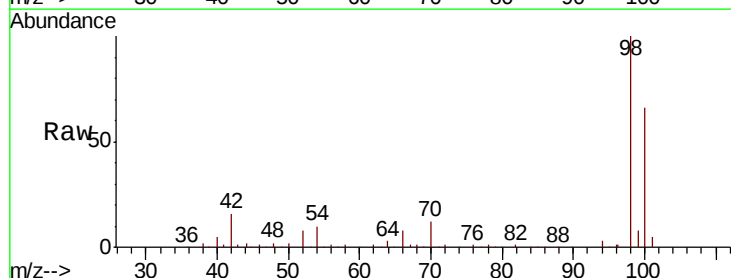
Acq: 17 Jul 2019 14:11

Tgt Ion: 98 Resp: 864170

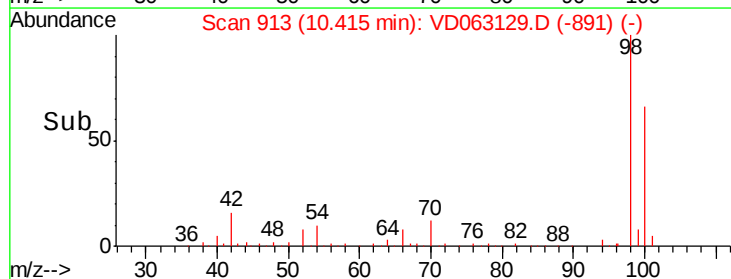
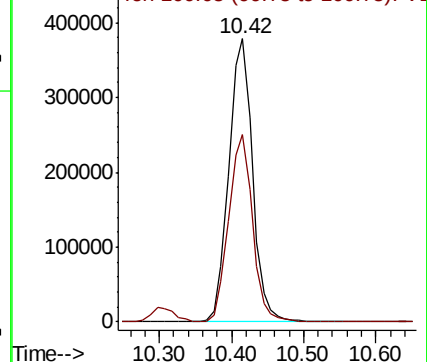
Ion Ratio Lower Upper

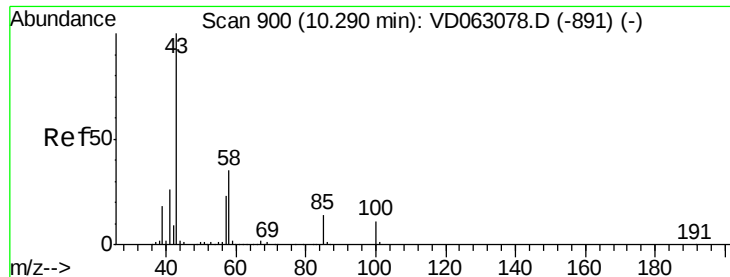
98 100

100 66.4 53.5 80.3



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: 122.801 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

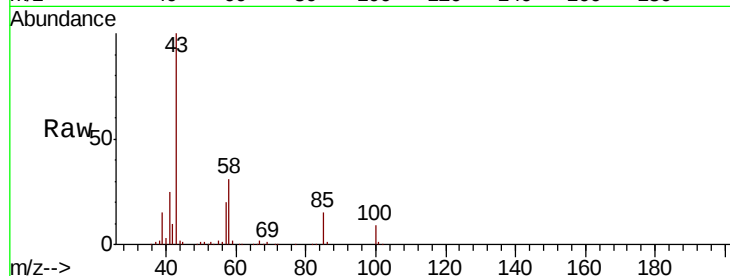
ClientSampled :

Tot Ion: 43 Resp: 433437

Ion Ratio Lower Upper

43 100

58 30.7 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

200000

150000

100000

50000

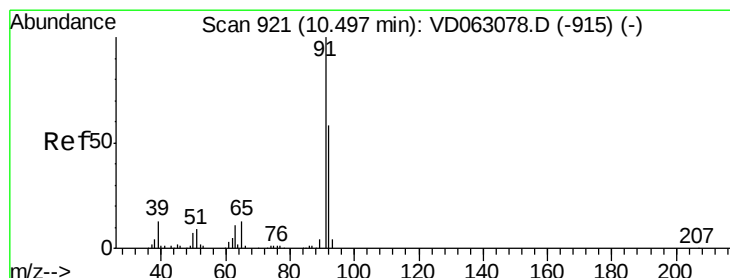
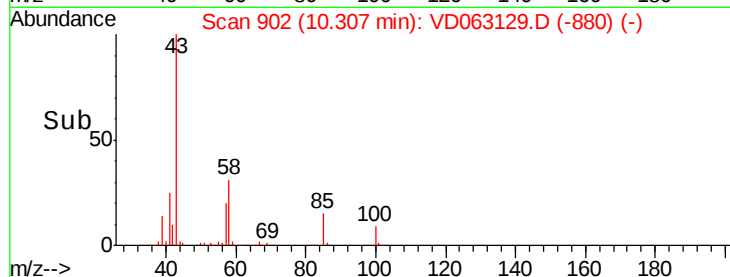
0

10.20

10.30

10.40

Time-->



#52

Toluene

Concen: 23.623 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD063129.D

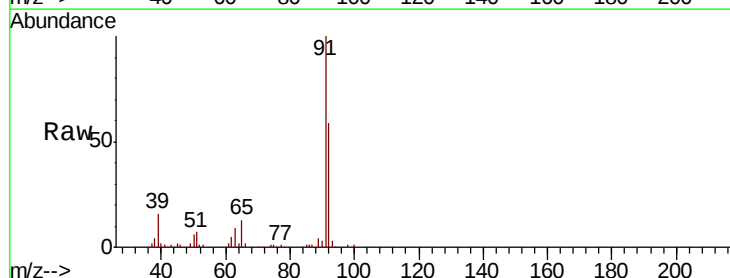
Acq: 17 Jul 2019 14:11

Tgt Ion: 92 Resp: 286613

Ion Ratio Lower Upper

92 100

91 169.3 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

100000

50000

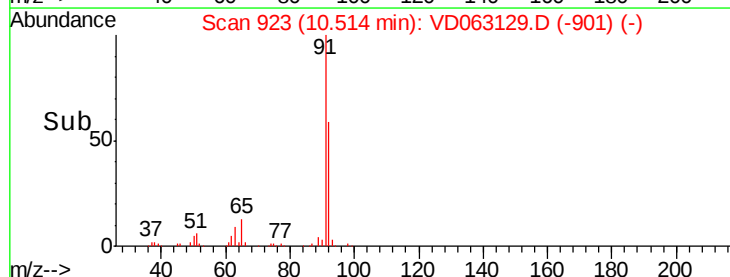
0

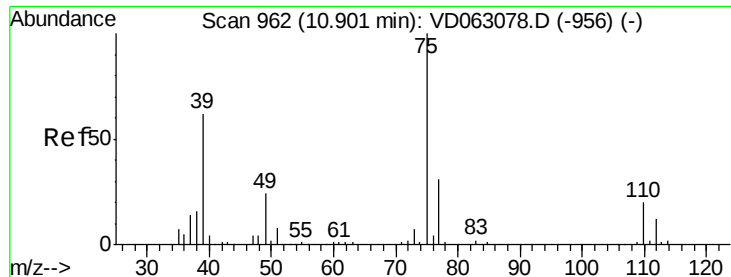
10.40

10.50

10.60

Time-->

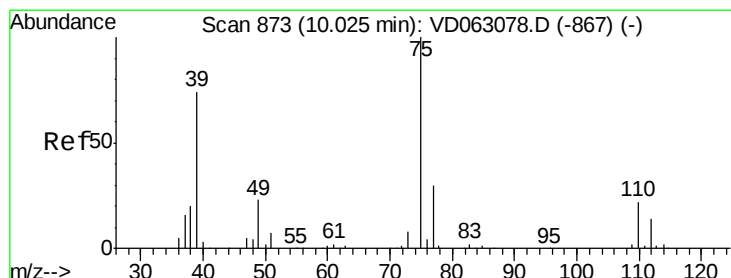
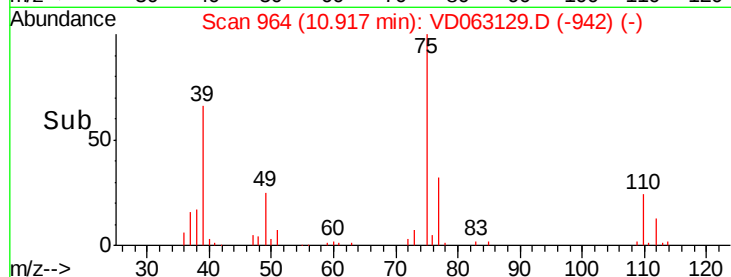
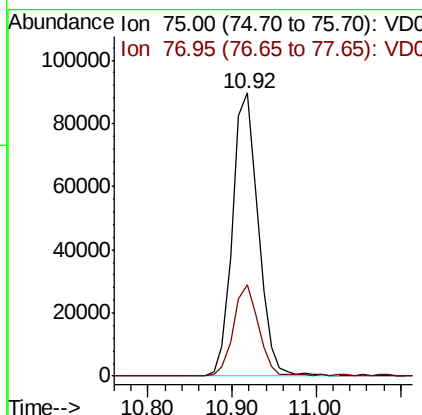
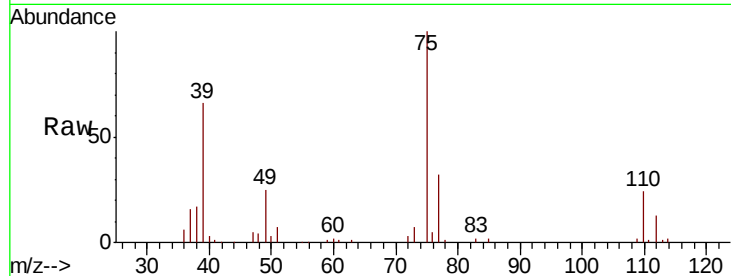




#53
 t-1,3-Dichloropropene
 Concen: 22.006 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

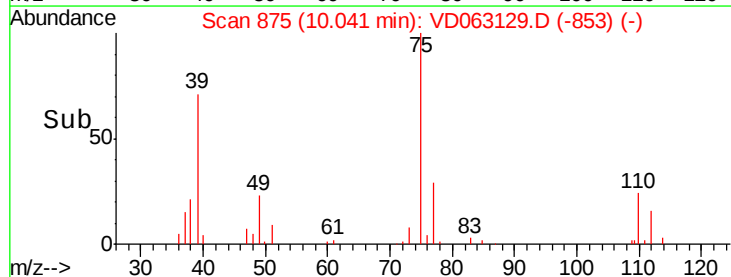
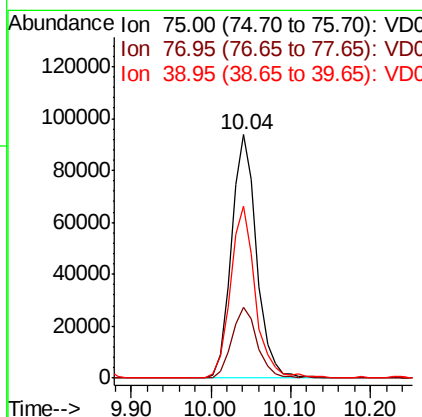
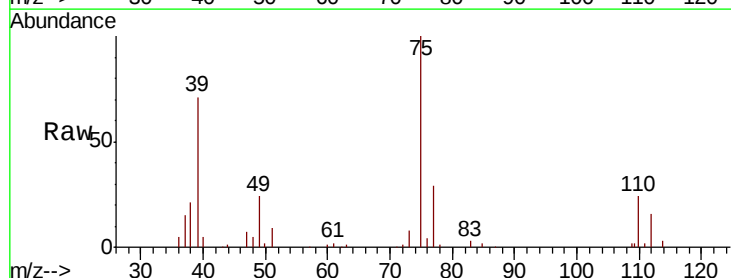
Instrument :
 MSVOA_D
 ClientSampleId :

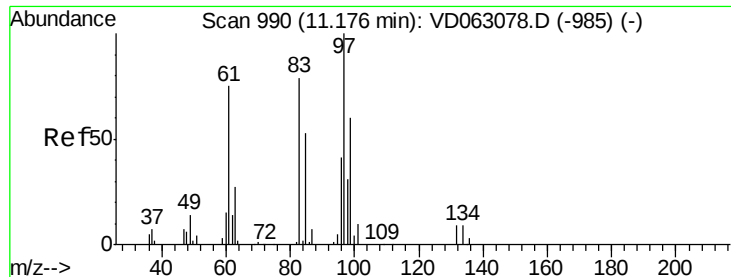
Tot Ion: 75 Resp: 191515
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 22.985 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion: 75 Resp: 206833
 Ion Ratio Lower Upper
 75 100
 77 29.0 23.9 35.9
 39 70.9 59.4 89.0

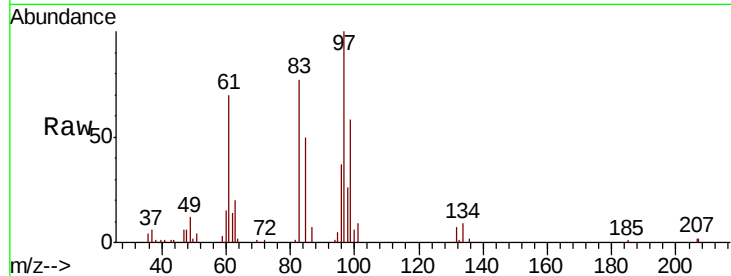




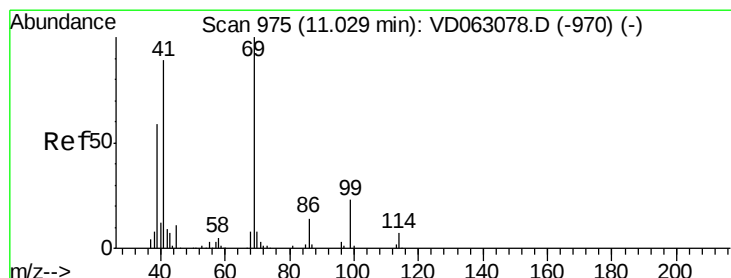
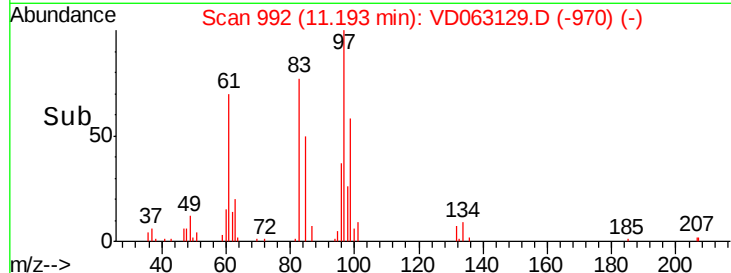
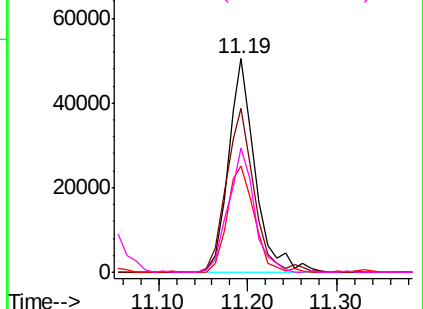
#55
 1,1,2-Trichloroethane
 Concen: 25.258 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	105902
Ion	Ratio	Lower	Upper
97	100		
83	76.7	63.2	94.8
85	50.0	42.0	63.0
99	58.3	48.3	72.5

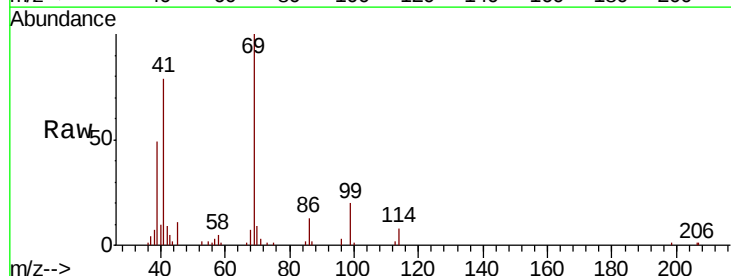


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

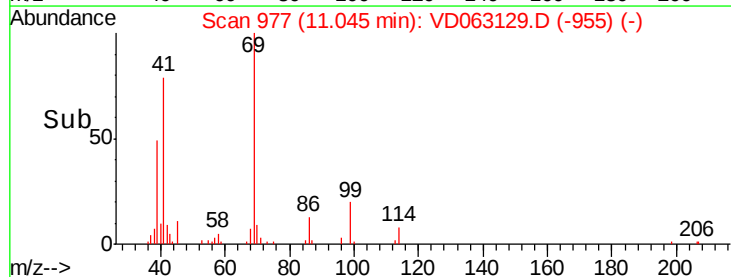
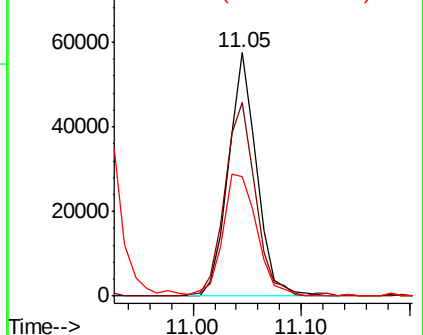


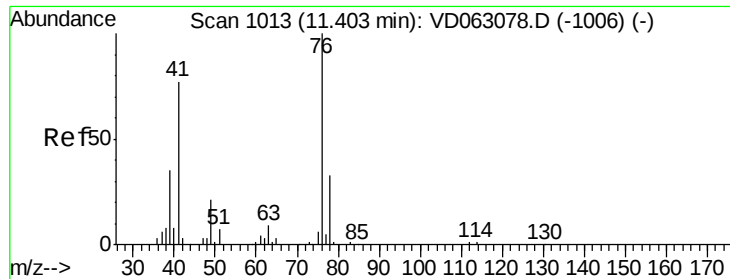
#56
 Ethyl methacrylate
 Concen: 22.240 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion:	69	Resp:	104187
Ion	Ratio	Lower	Upper
69	100		
41	79.4	71.0	106.4
39	48.9	47.7	71.5



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: 23.262 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

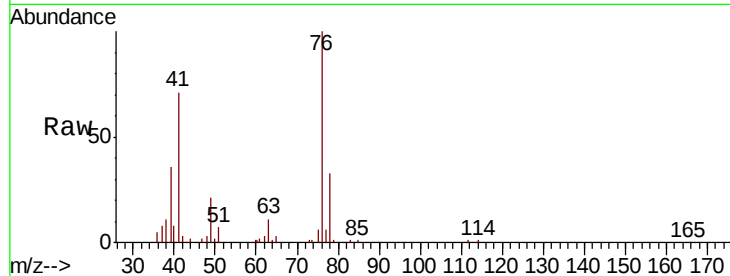
ClientSampleId :

Tot Ion: 76 Resp: 148415

Ion Ratio Lower Upper

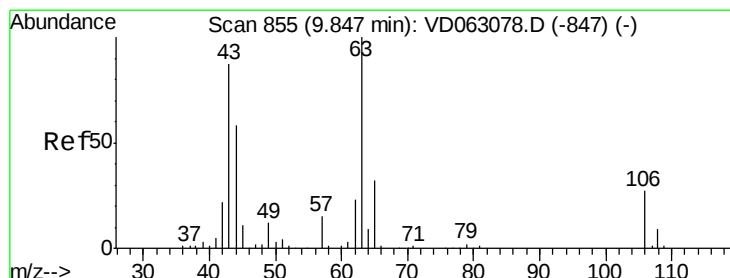
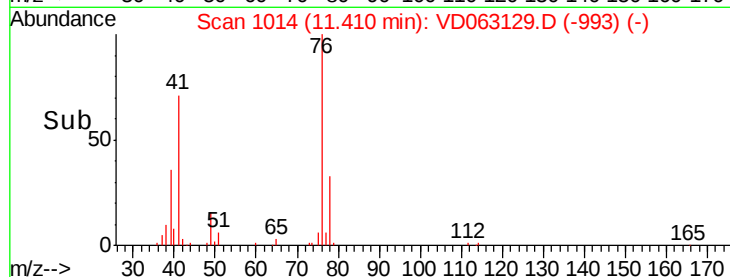
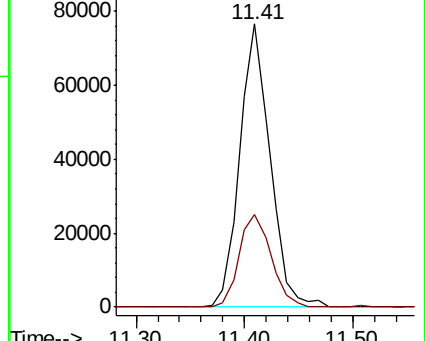
76 100

78 32.9 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 115.044 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD063129.D

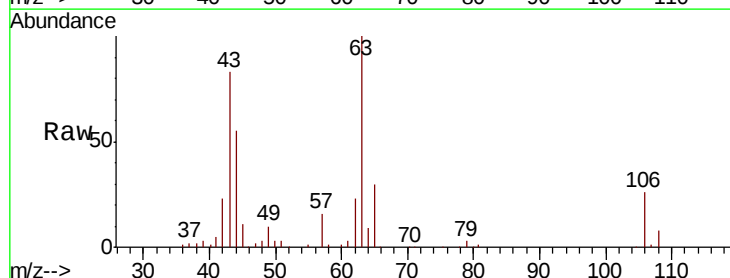
Acq: 17 Jul 2019 14:11

Tgt Ion: 63 Resp: 300091

Ion Ratio Lower Upper

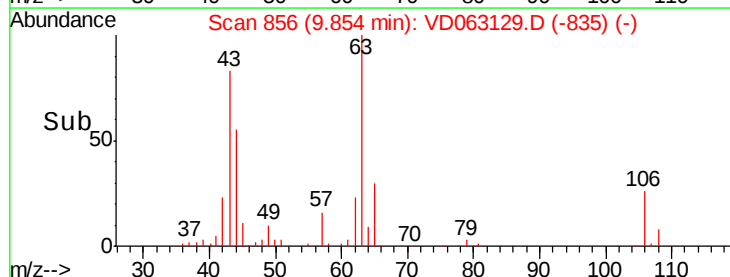
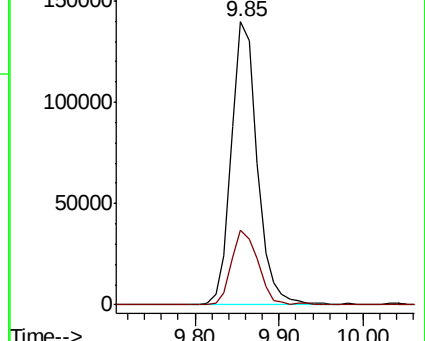
63 100

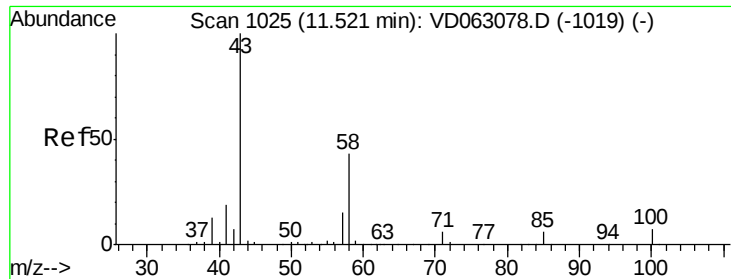
106 26.4 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

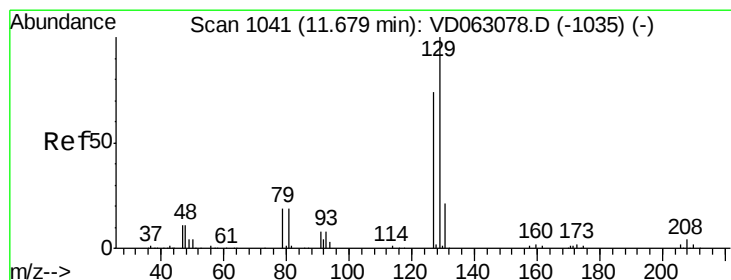
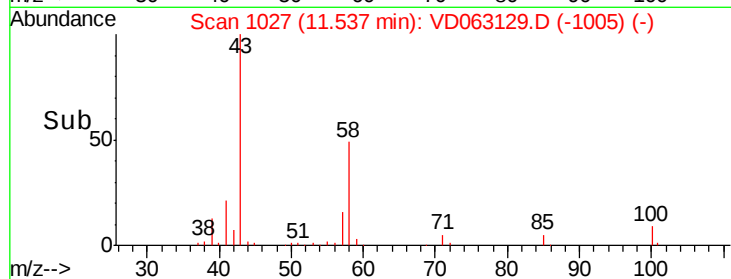
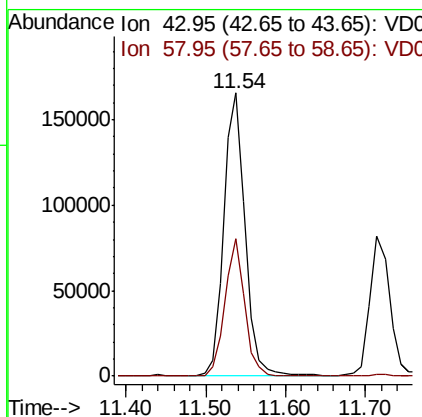
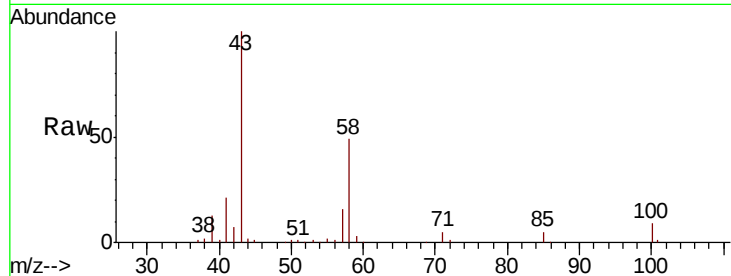




#59
2-Hexanone
Concen: 114.842 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

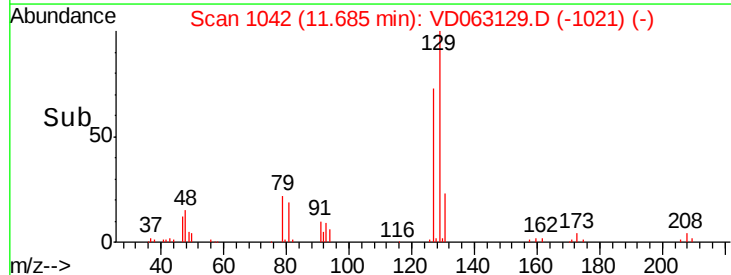
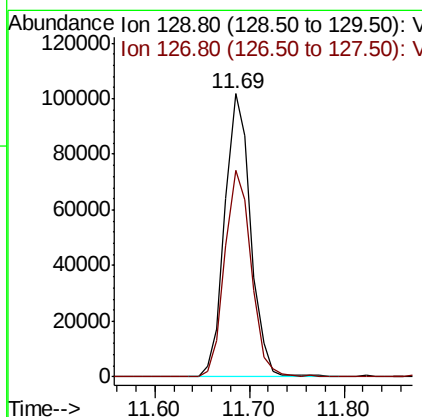
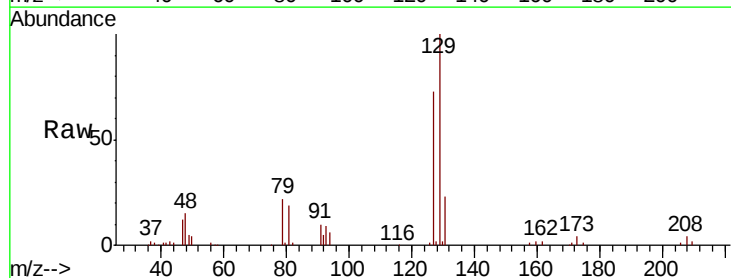
Instrument :
MSVOA_D
ClientSampled :

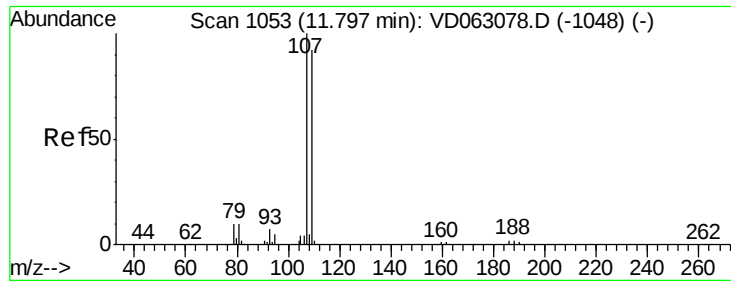
Tot Ion: 43 Resp: 312605
Ion Ratio Lower Upper
43 100
58 48.6 21.7 65.1



#60
Dibromochloromethane
Concen: 23.973 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 129 Resp: 192681
Ion Ratio Lower Upper
129 100
127 72.8 37.0 110.9

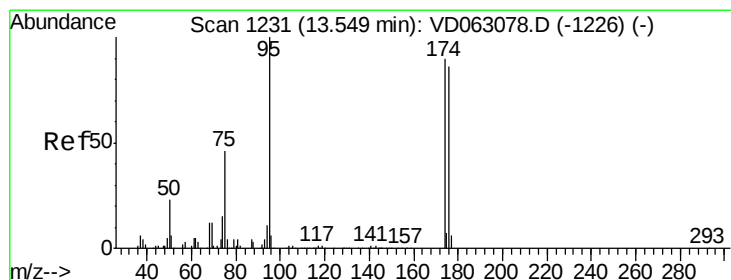
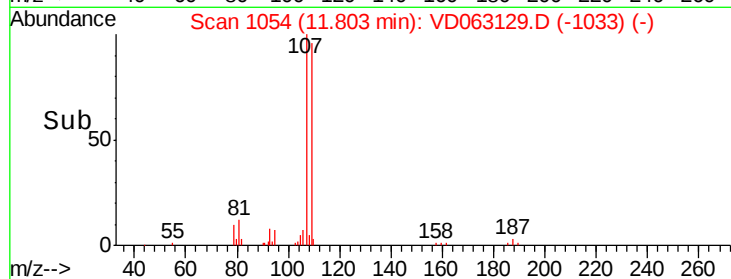
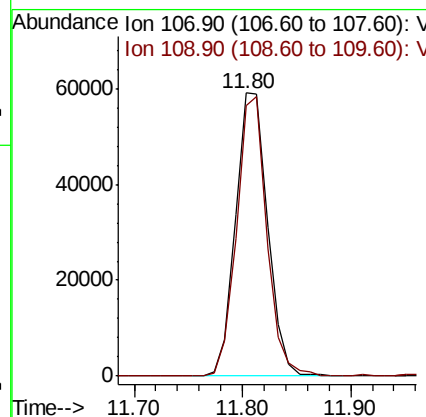
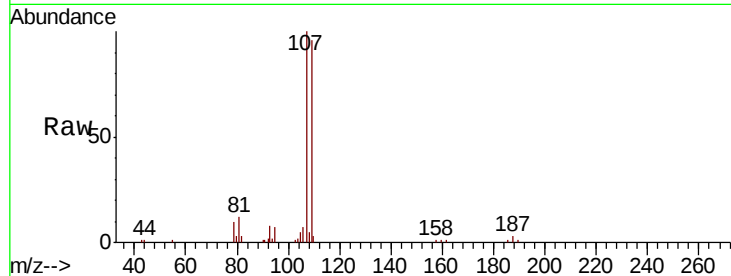




#61
 1,2-Dibromoethane
 Concen: 24.225 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

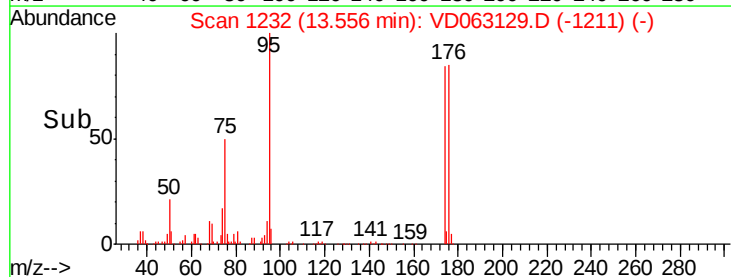
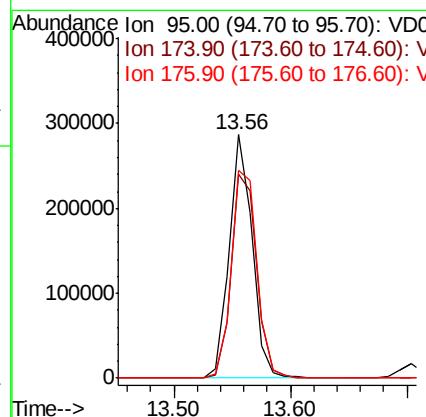
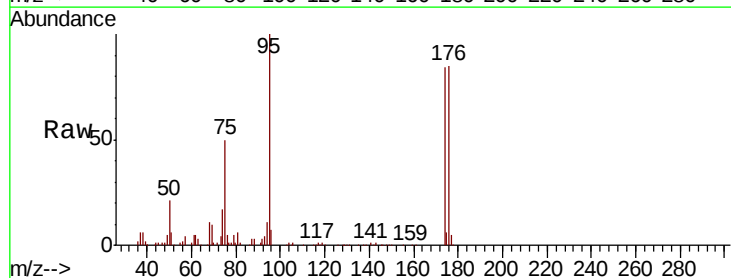
Instrument :
 MSVOA_D
 ClientSampleId :

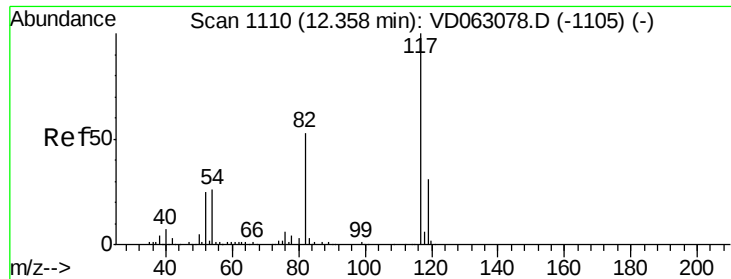
Tot Ion:107 Resp: 121580
 Ion Ratio Lower Upper
 107 100
 109 95.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 51.369 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion: 95 Resp: 392184
 Ion Ratio Lower Upper
 95 100
 174 83.6 0.0 180.6
 176 85.1 0.0 172.2

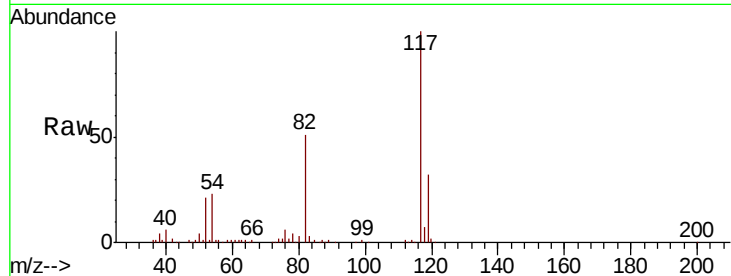




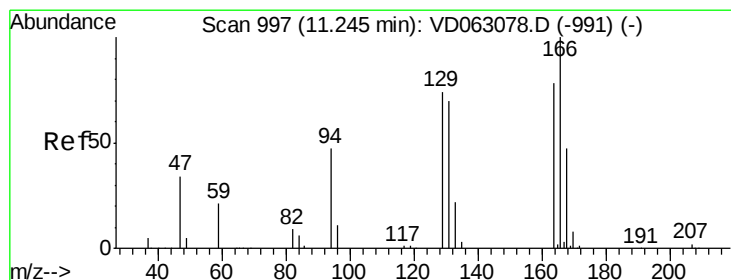
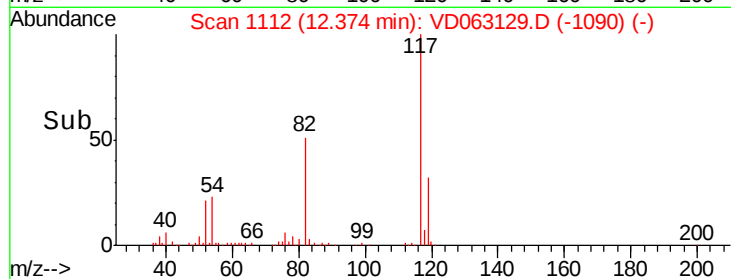
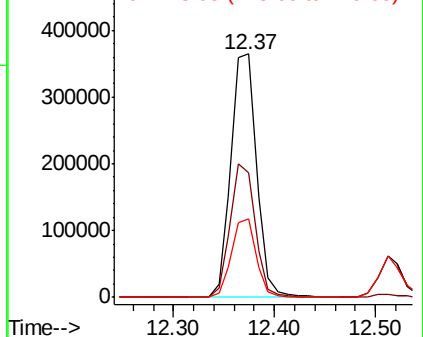
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 644811
Ion Ratio Lower Upper
117 100
82 51.0 42.3 63.5
119 32.4 25.2 37.8

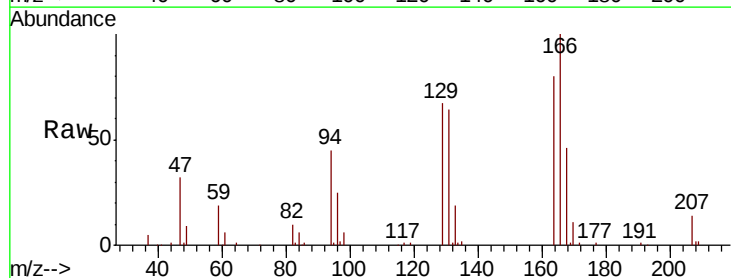


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

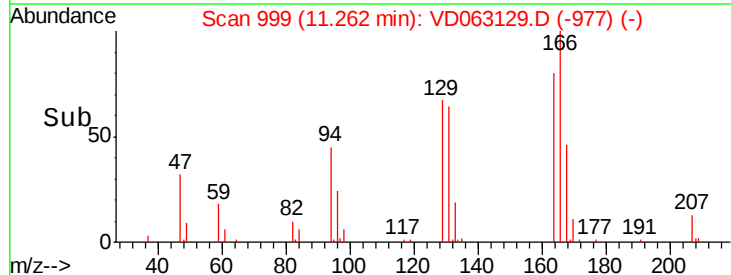
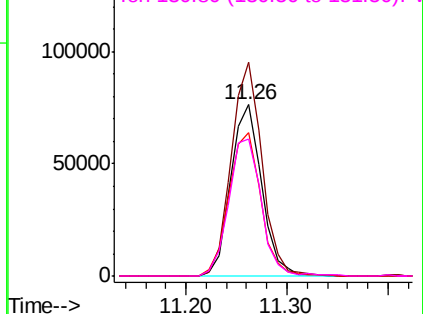


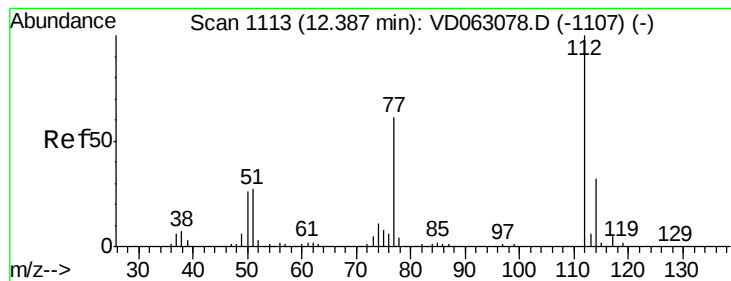
#64
Tetrachloroethene
Concen: 25.883 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion:164 Resp: 161942
Ion Ratio Lower Upper
164 100
166 124.5 102.8 154.2
129 83.9 76.4 114.6
131 79.9 71.7 107.5



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: 23.093 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

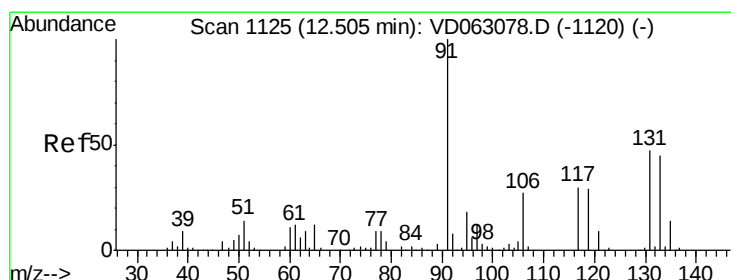
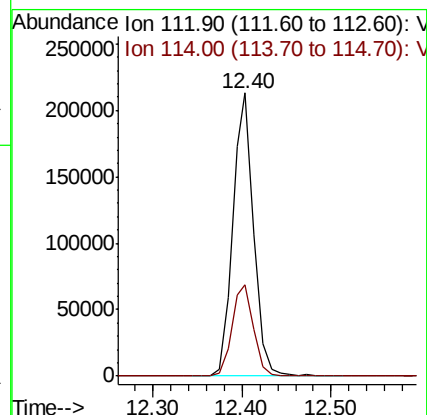
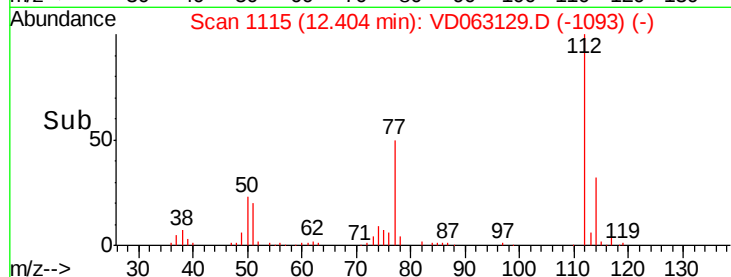
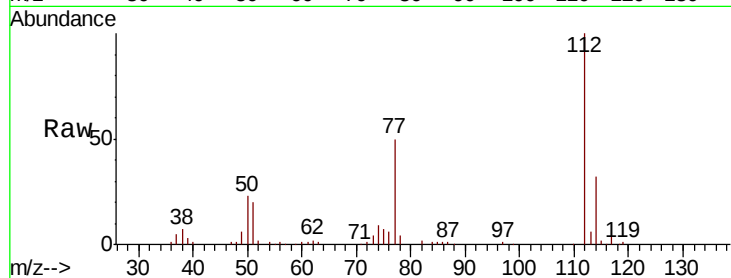
ClientSampled :

Tot Ion:112 Resp: 350029

Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 22.656 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

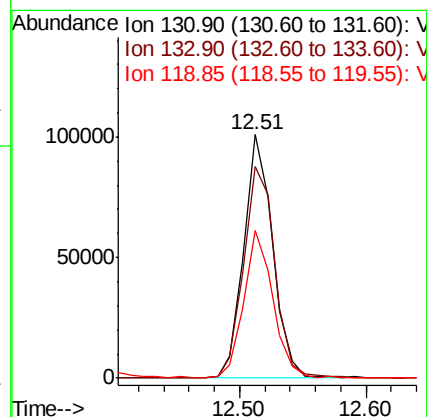
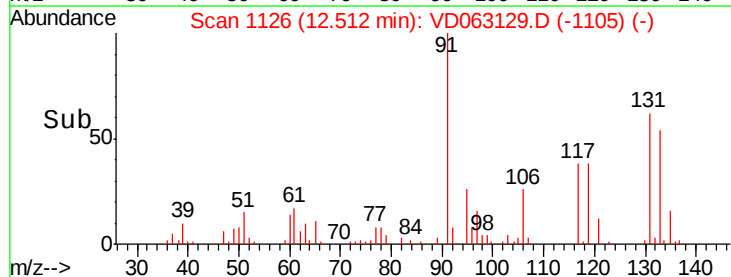
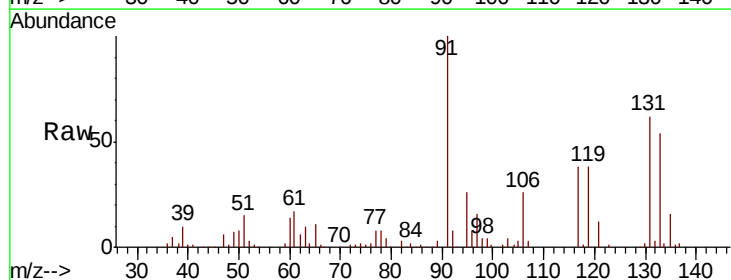
Tgt Ion:131 Resp: 159214

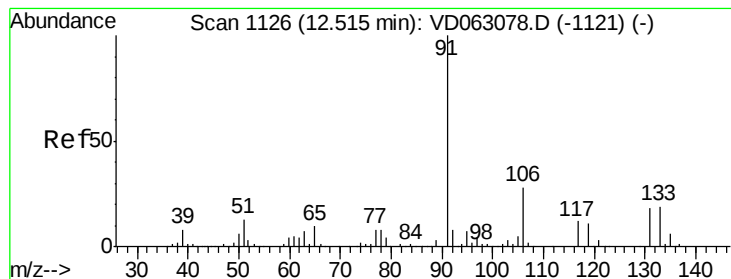
Ion Ratio Lower Upper

131 100

133 86.7 48.5 145.6

119 60.5 30.8 92.3





#67

Ethyl Benzene

Concen: 21.637 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

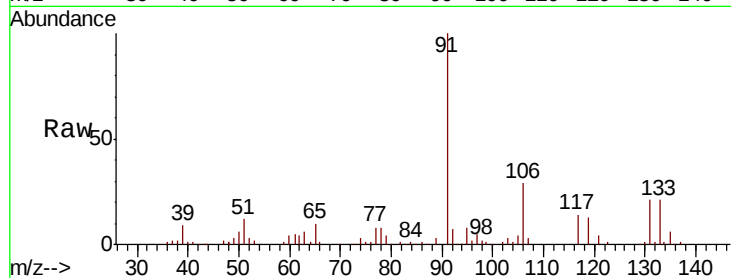
ClientSampleId :

Tot Ion: 91 Resp: 569860

Ion Ratio Lower Upper

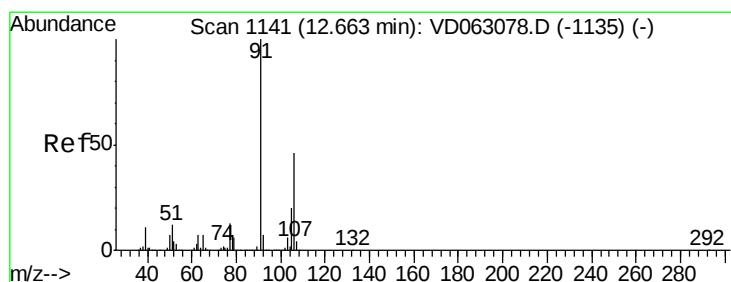
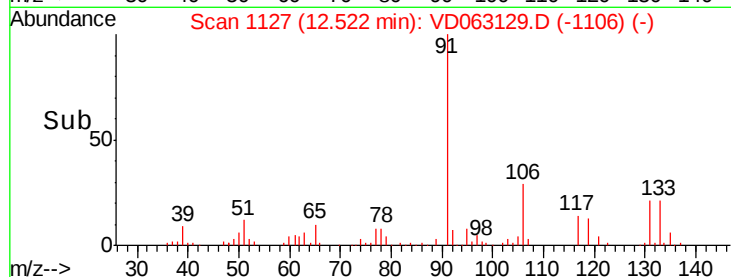
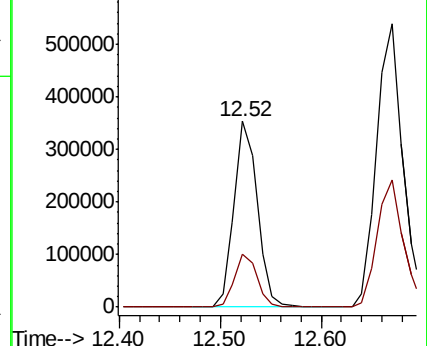
91 100

106 28.6 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 46.468 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VD063129.D

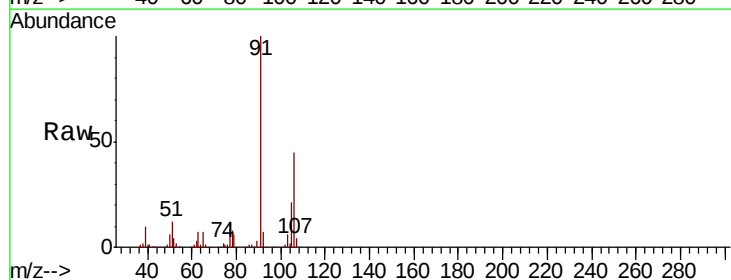
Acq: 17 Jul 2019 14:11

Tgt Ion: 106 Resp: 438334

Ion Ratio Lower Upper

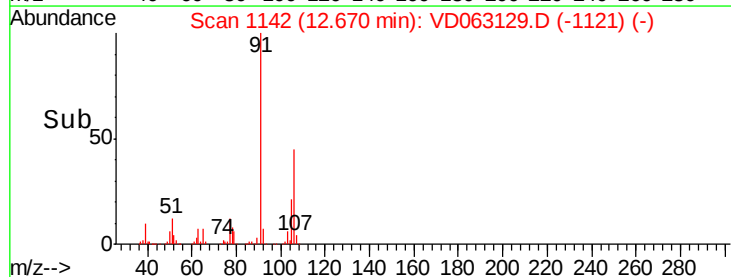
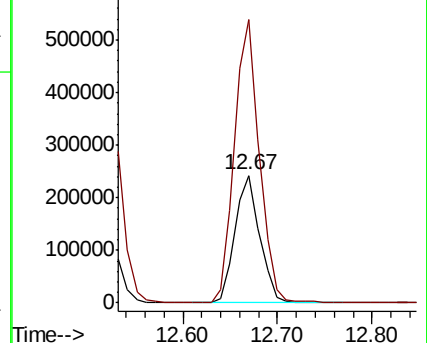
106 100

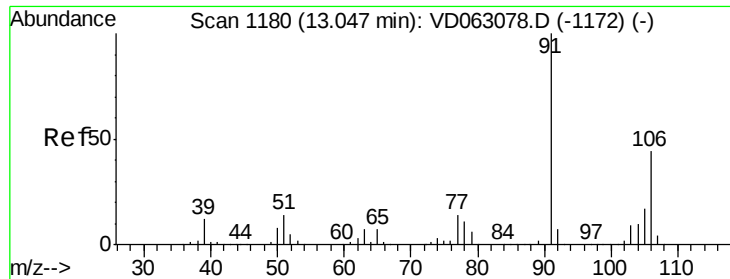
91 222.1 173.0 259.6



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

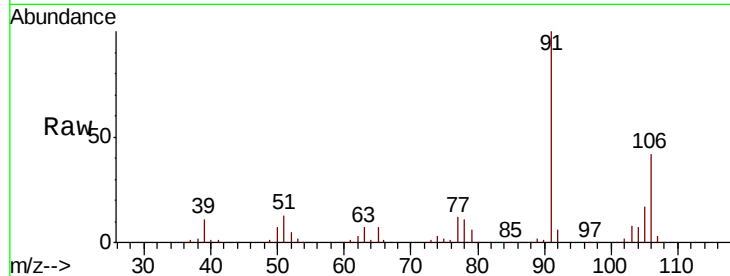




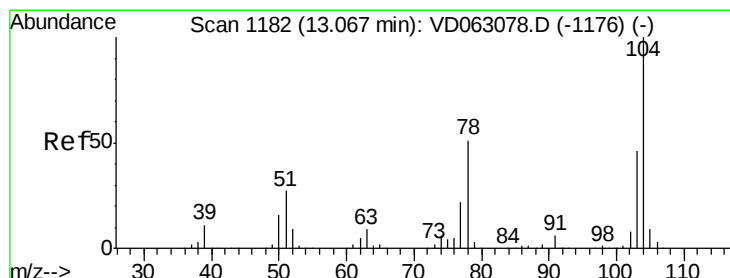
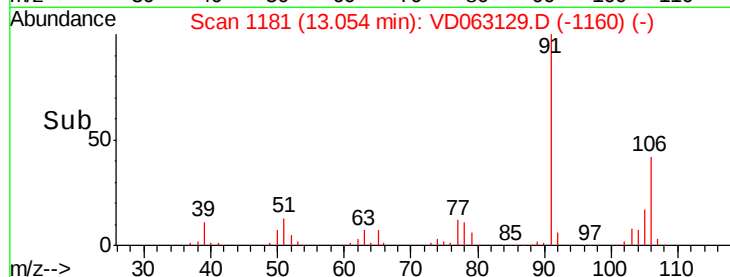
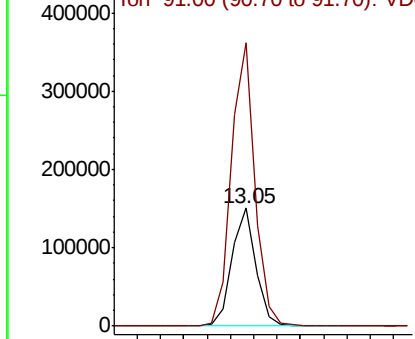
#69
o-Xylene
Concen: 23.920 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 213958
Ion Ratio Lower Upper
106 100
91 240.2 114.9 344.7

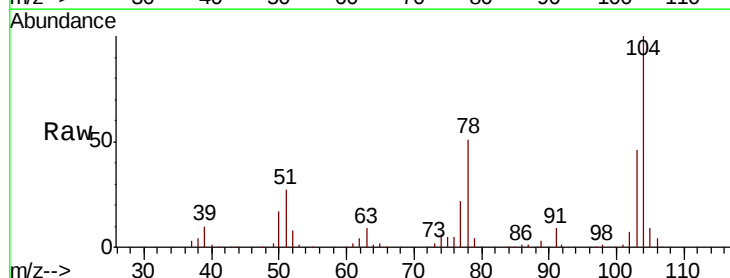


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

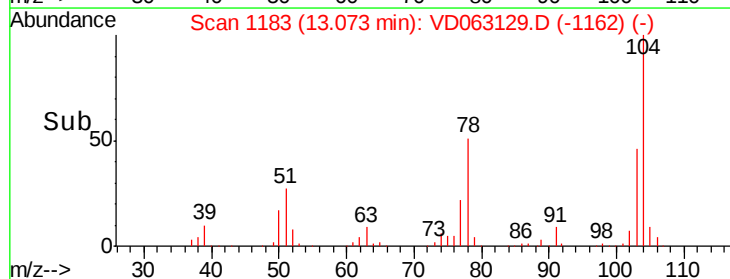
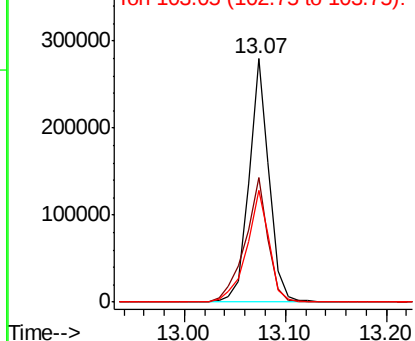


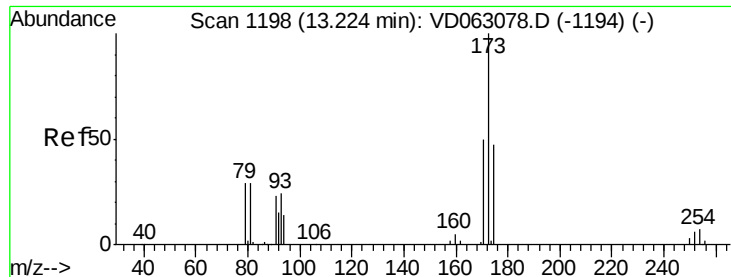
#70
Styrene
Concen: 24.669 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion:104 Resp: 386228
Ion Ratio Lower Upper
104 100
78 51.4 41.1 61.7
103 45.9 37.0 55.6



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

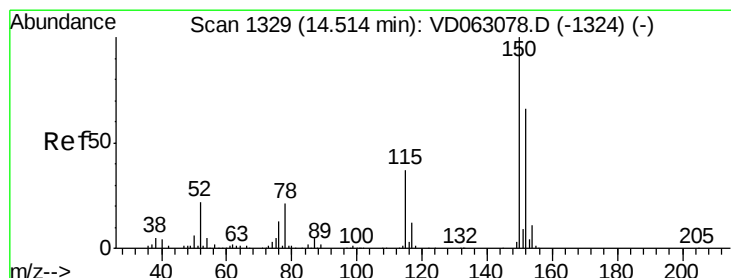
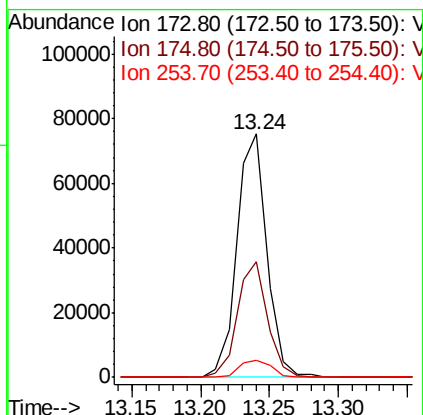
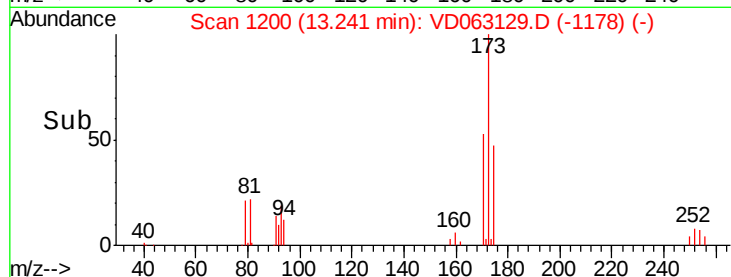
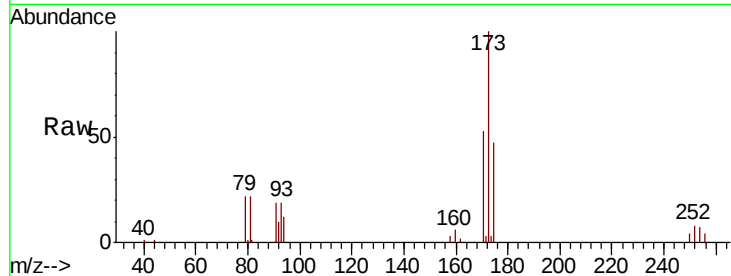




#71
Bromoform
Concen: 23.134 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.02 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

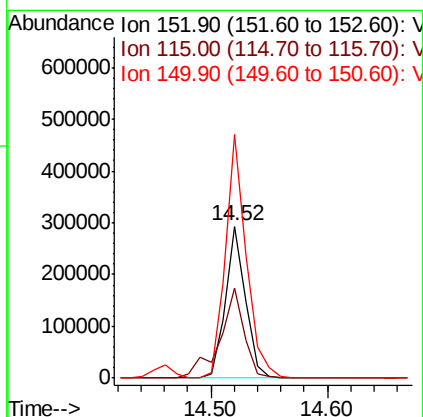
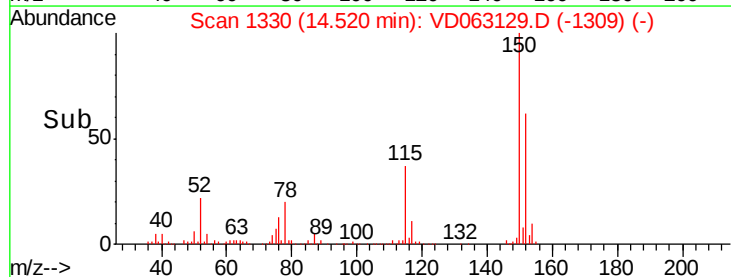
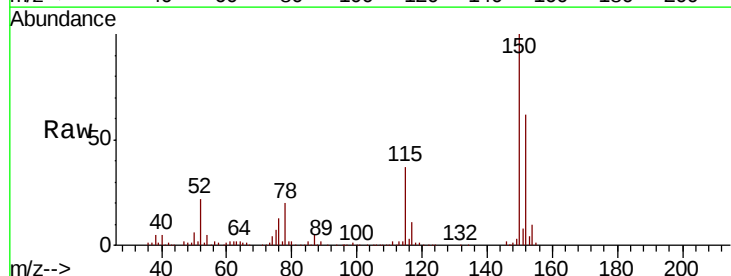
Instrument :
MSVOA_D
ClientSampleId :

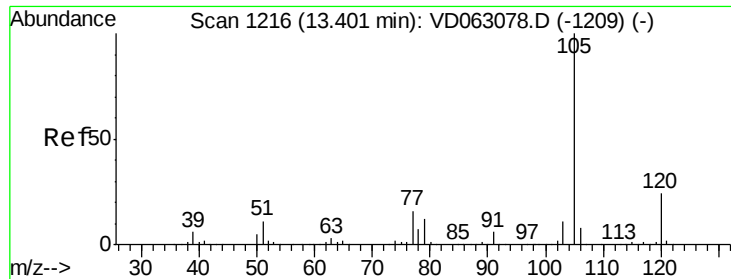
Tot Ion:173 Resp: 113817
Ion Ratio Lower Upper
173 100
175 47.4 23.4 70.2
254 7.2 5.4 8.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion:152 Resp: 347659
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.8
150 160.5 0.0 313.8





#73

Isopropylbenzene

Concen: 24.936 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

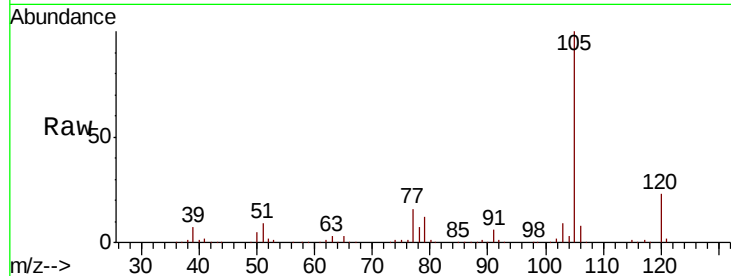
ClientSampleId :

Tot Ion:105 Resp: 669512

Ion Ratio Lower Upper

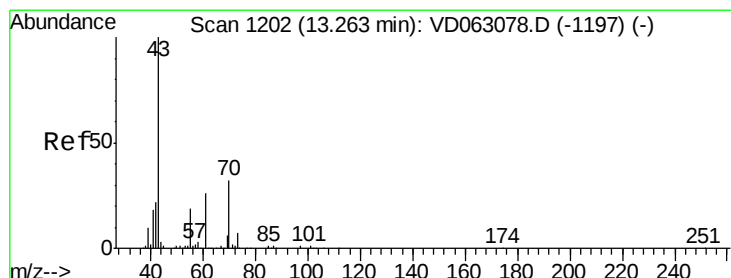
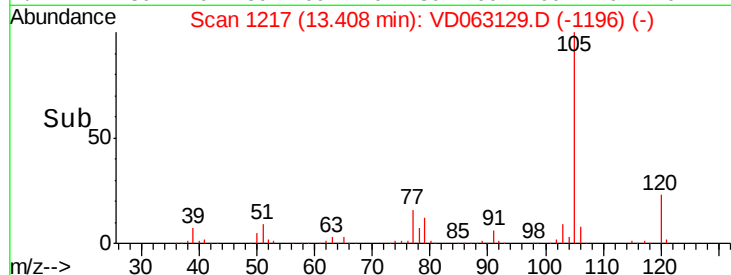
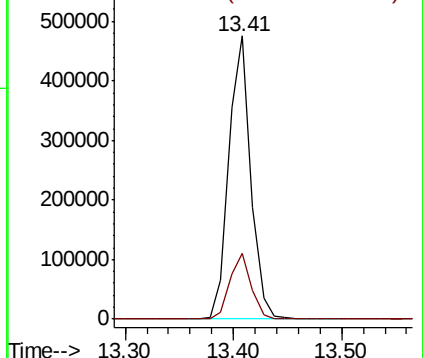
105 100

120 23.1 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.300 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Tgt Ion: 43 Resp: 159494

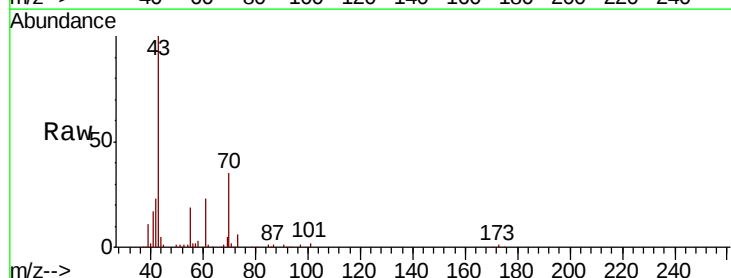
Ion Ratio Lower Upper

43 100

70 34.5 25.5 38.3

55 18.7 15.4 23.0

61 23.2 20.6 31.0

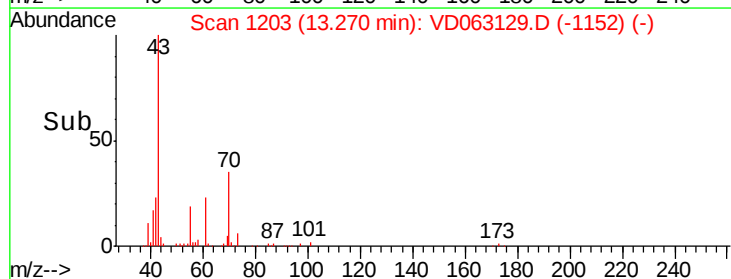
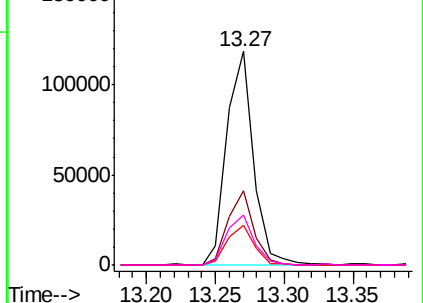


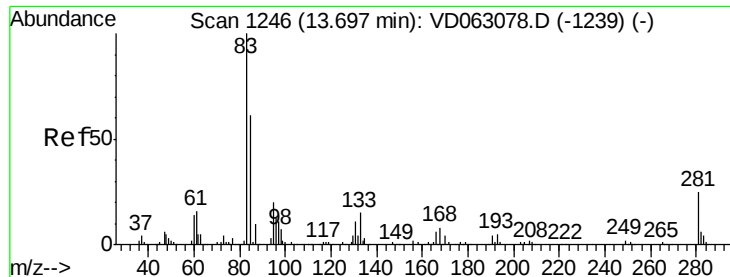
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 23.080 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

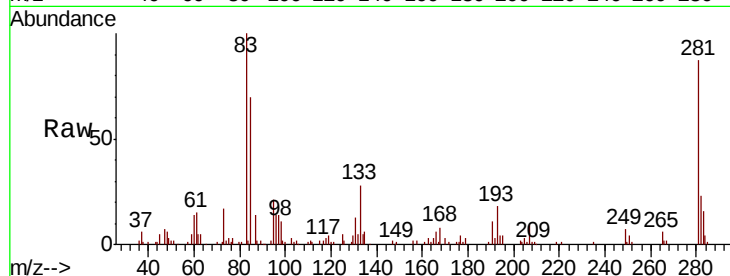
Tot Ion: 83 Resp: 112743

Ion Ratio Lower Upper

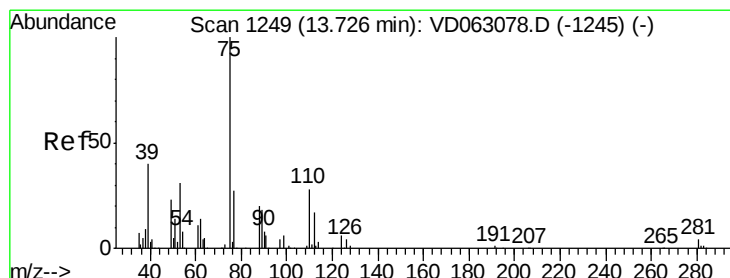
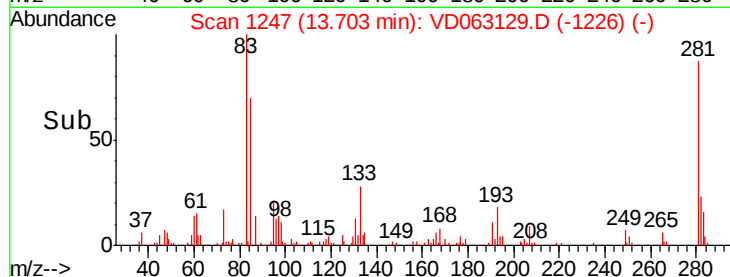
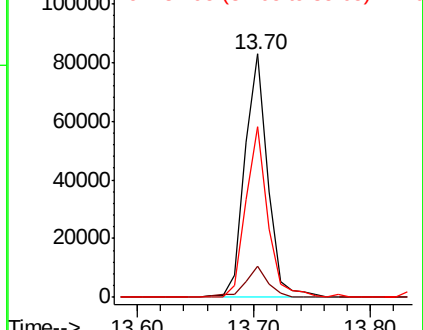
83 100

131 12.5 5.5 16.7

85 70.3 30.7 92.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.731 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063129.D

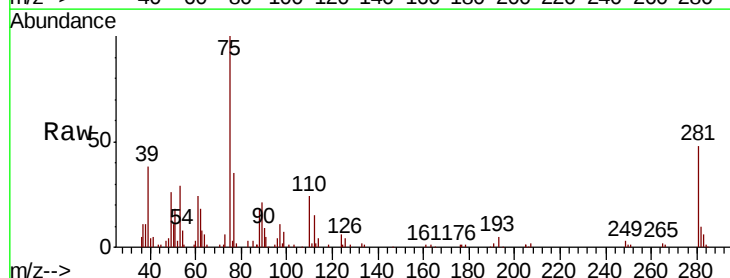
Acq: 17 Jul 2019 14:11

Tgt Ion: 75 Resp: 121568

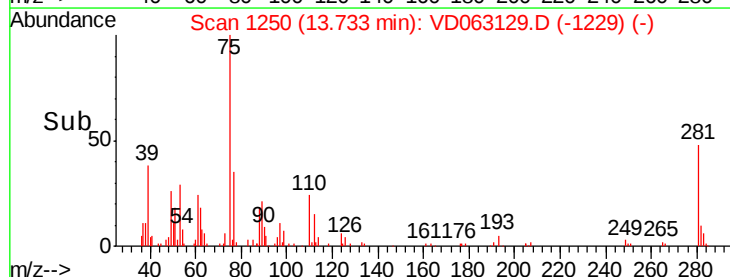
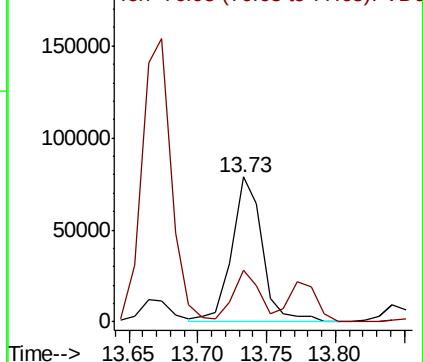
Ion Ratio Lower Upper

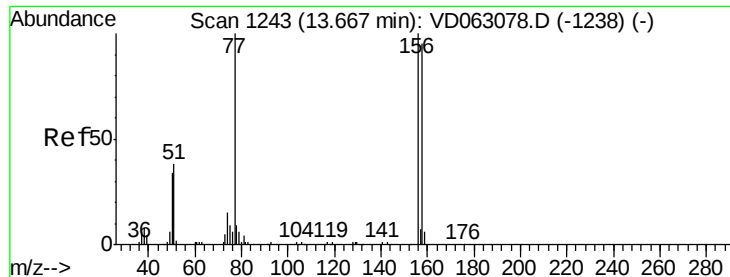
75 100

77 35.3 16.3 48.8



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





#77

Bromobenzene

Concen: 23.217 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

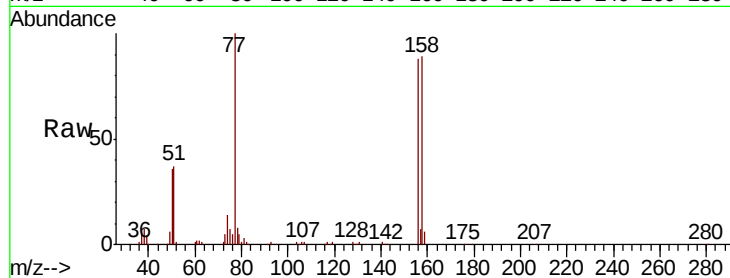
Tot Ion:156 Resp: 176774

Ion Ratio Lower Upper

156 100

77 113.7 50.2 150.7

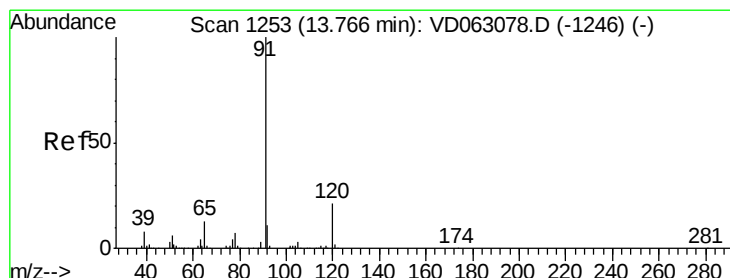
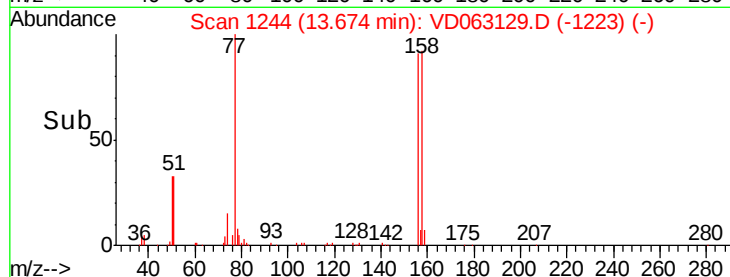
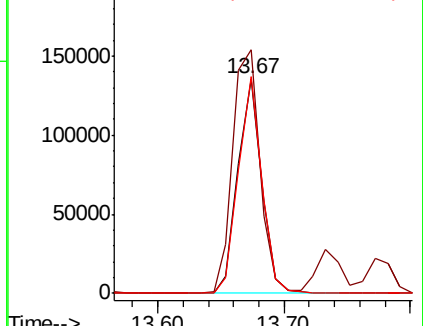
158 101.3 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 24.904 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063129.D

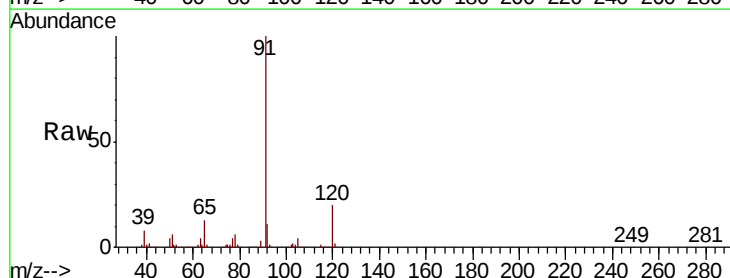
Acq: 17 Jul 2019 14:11

Tgt Ion: 91 Resp: 769460

Ion Ratio Lower Upper

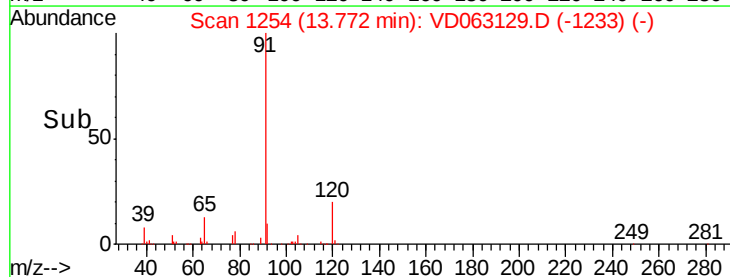
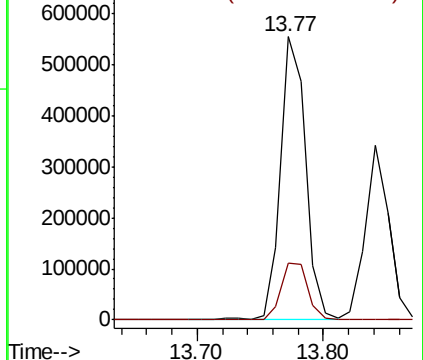
91 100

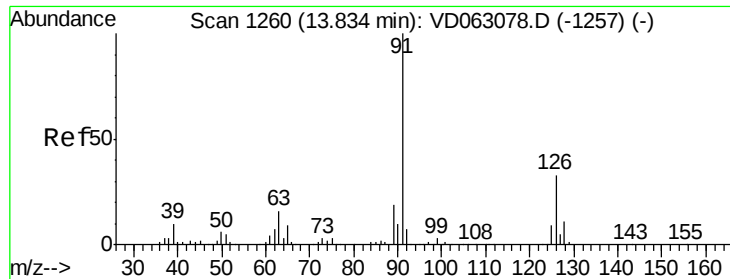
120 20.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

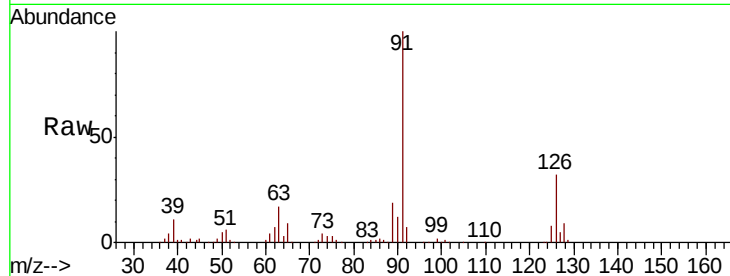




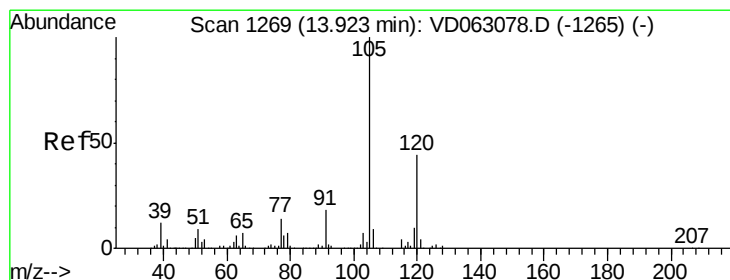
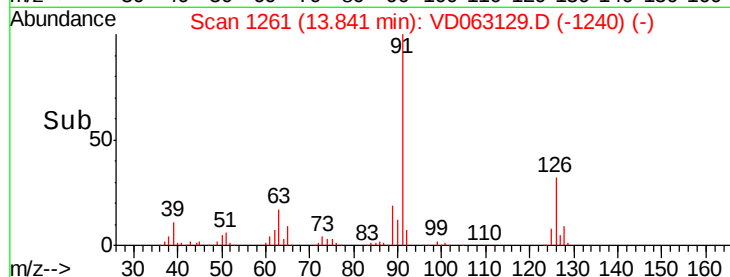
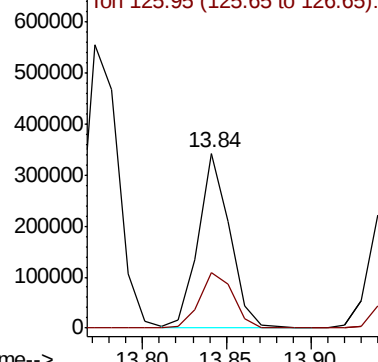
#79
 2-Chlorotoluene
 Concen: 23.688 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 442527
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.4 49.2

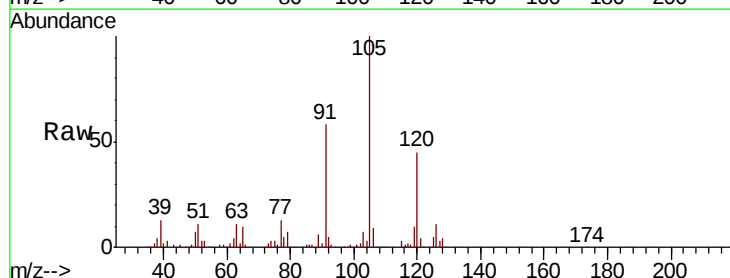


Abundance Ion 91.00 (90.70 to 91.70): VD063129.D (-1257) (-)
 Ion 125.95 (125.65 to 126.65): VD063129.D (-1257) (-)

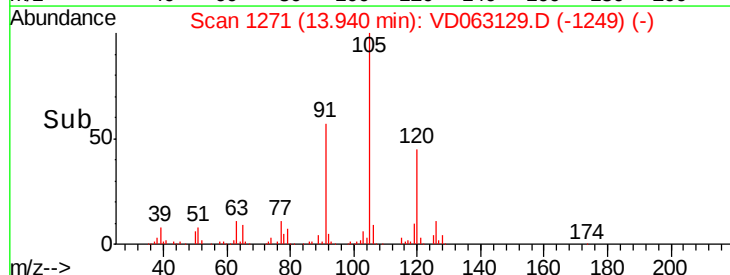
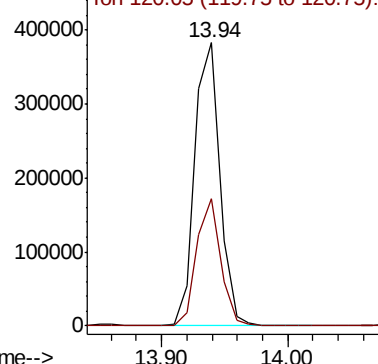


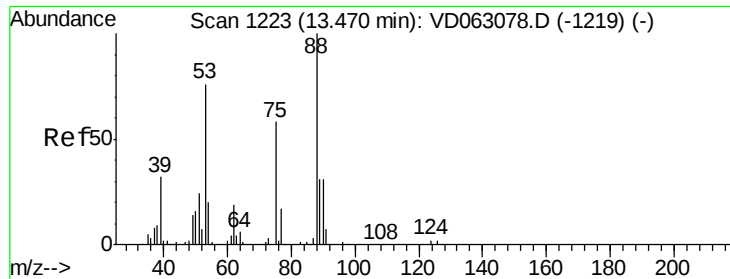
#80
 1,3,5-Trimethylbenzene
 Concen: 22.616 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion: 105 Resp: 529214
 Ion Ratio Lower Upper
 105 100
 120 45.1 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): VD063129.D (-1249) (-)
 Ion 120.05 (119.75 to 120.75): VD063129.D (-1249) (-)

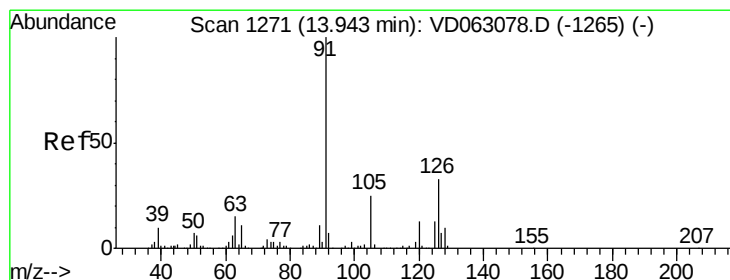
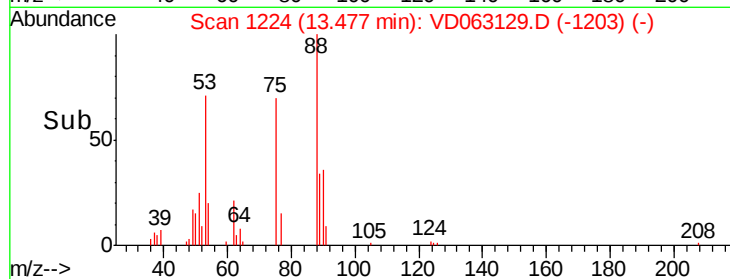
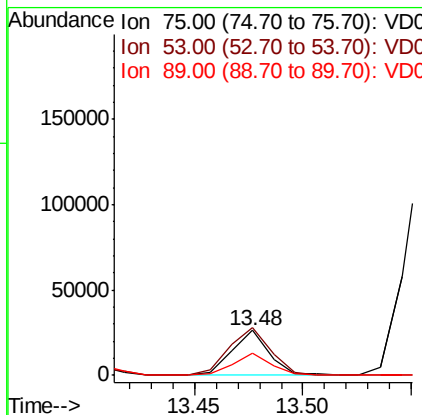
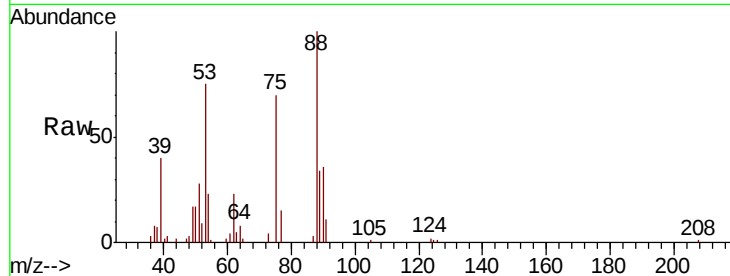




#81
trans-1,4-Dichloro-2-butene
Concen: 22.827 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

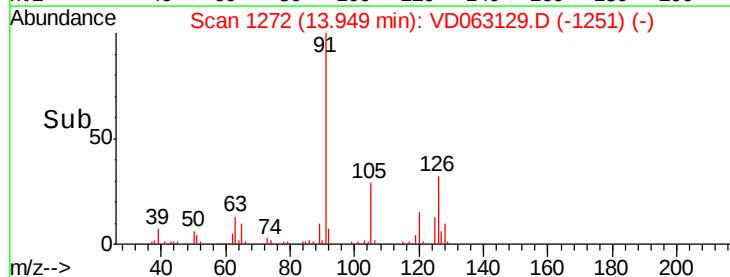
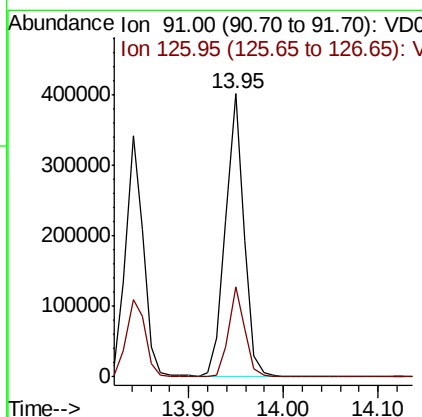
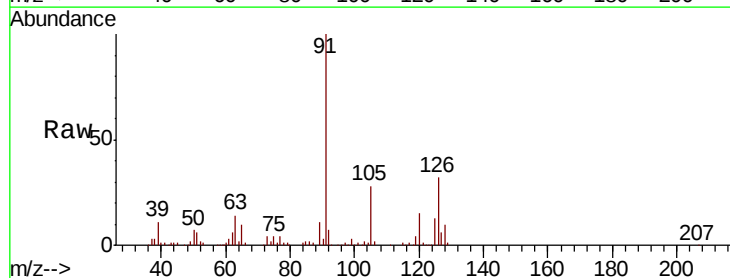
Instrument :
MSVOA_D
ClientSampleId :

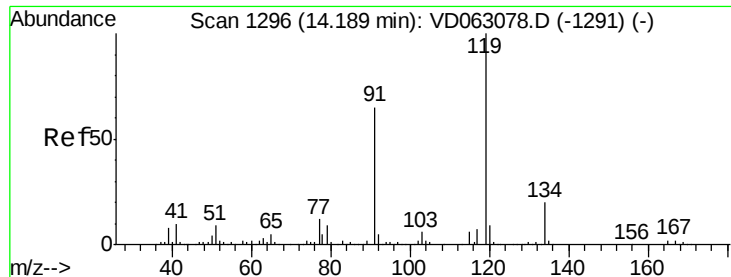
Tot Ion: 75 Resp: 32148
Ion Ratio Lower Upper
75 100
53 108.0 104.4 156.6
89 48.3 43.1 64.7



#82
4-Chlorotoluene
Concen: 24.740 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 91 Resp: 539697
Ion Ratio Lower Upper
91 100
126 32.0 16.7 50.1

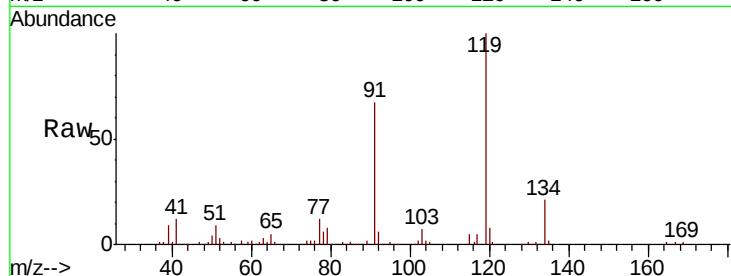




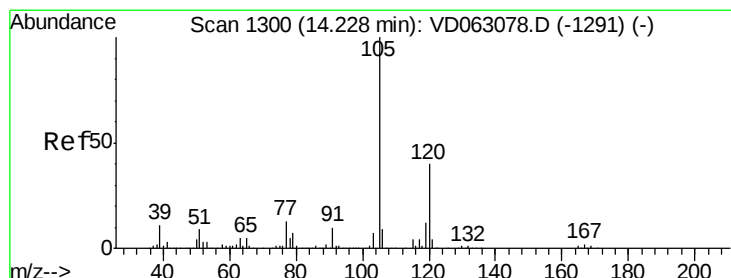
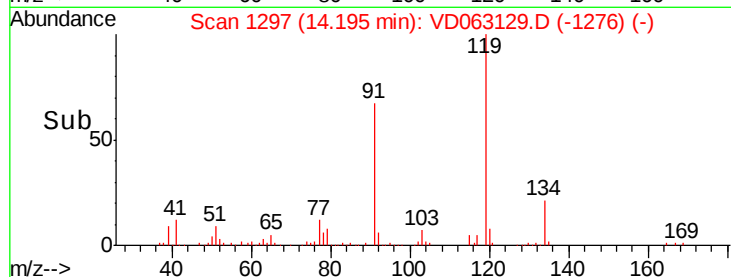
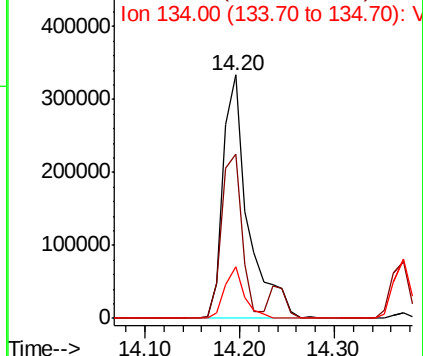
#83
tert-Butylbenzene
Concen: 23.197 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 613754
Ion Ratio Lower Upper
119 100
91 67.4 32.4 97.2
134 20.9 10.2 30.6

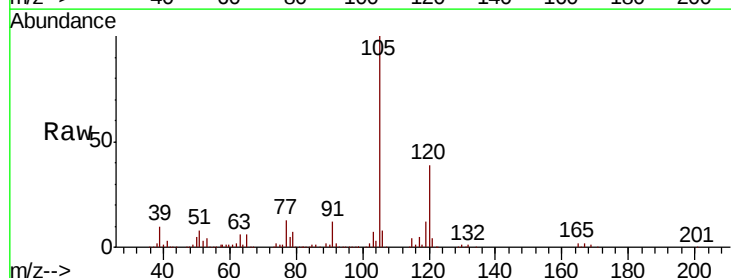


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

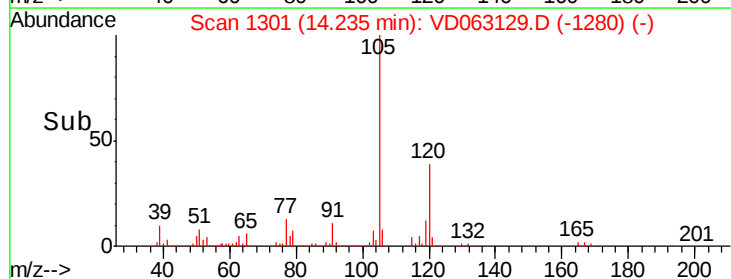
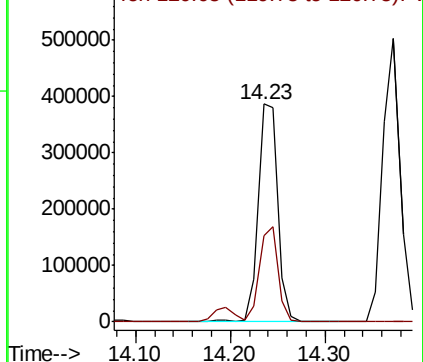


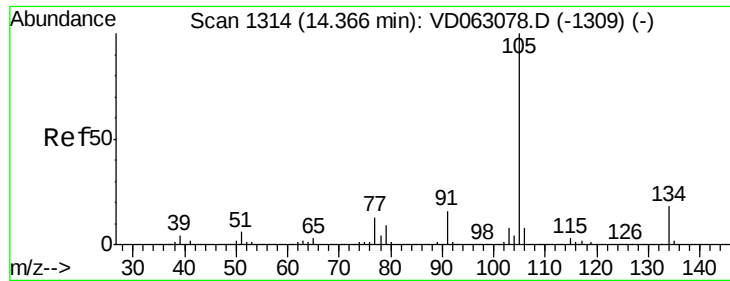
#84
1,2,4-Trimethylbenzene
Concen: 24.030 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD063129.D
Acq: 17 Jul 2019 14:11

Tgt Ion:105 Resp: 560581
Ion Ratio Lower Upper
105 100
120 39.4 20.2 60.6



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

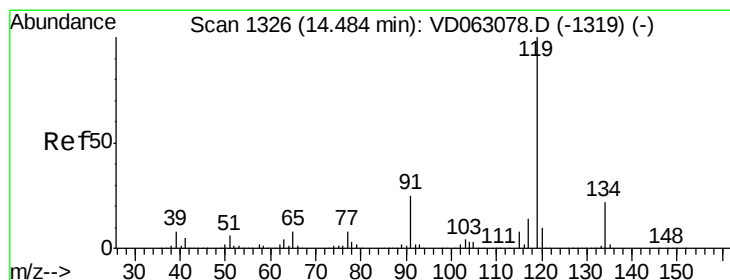
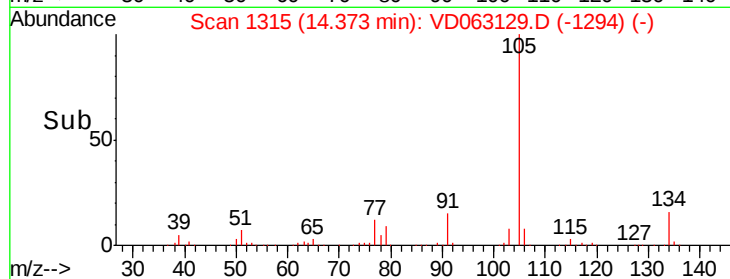
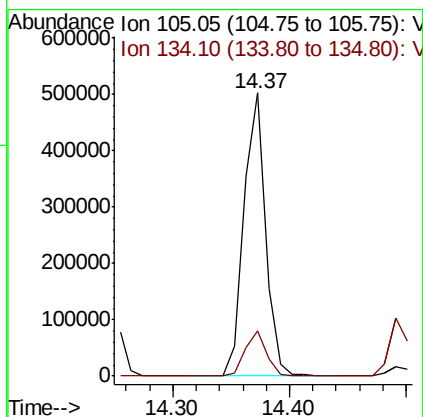
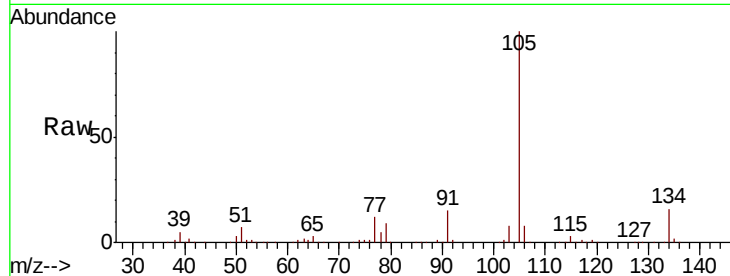




#85
 sec-Butylbenzene
 Concen: 23.057 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

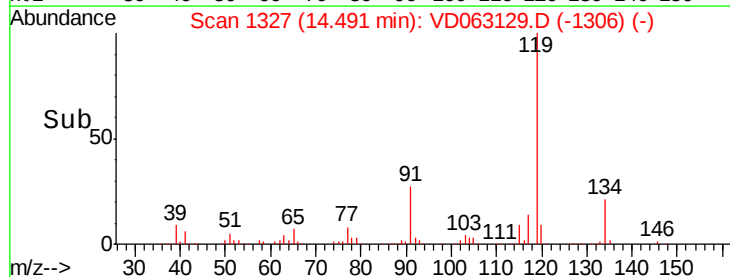
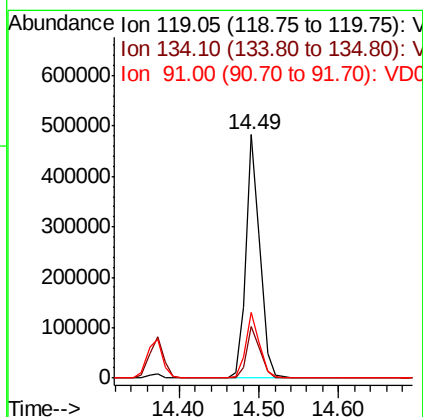
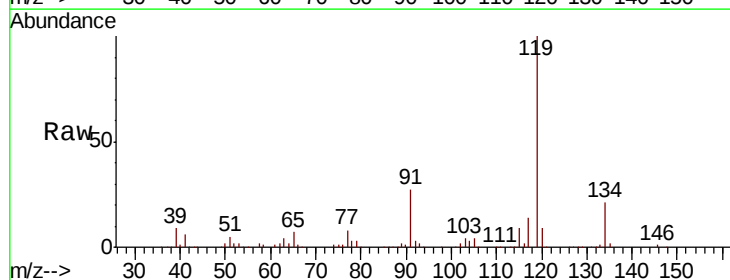
Instrument :
 MSVOA_D
 ClientSampled :

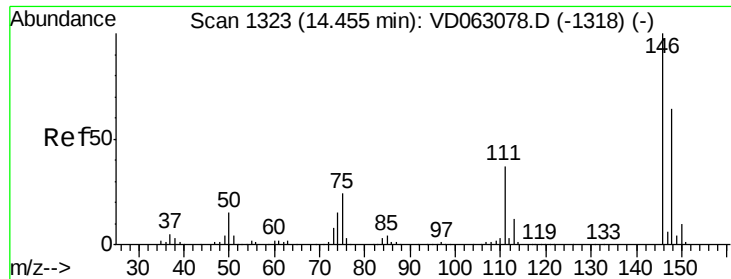
Tot Ion:105 Resp: 648169
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 22.204 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion:119 Resp: 582298
 Ion Ratio Lower Upper
 119 100
 134 21.3 10.8 32.4
 91 26.9 12.5 37.5

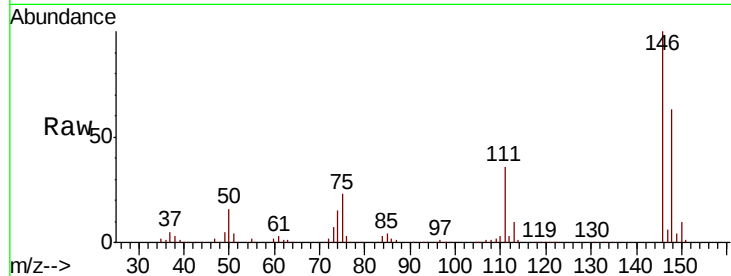




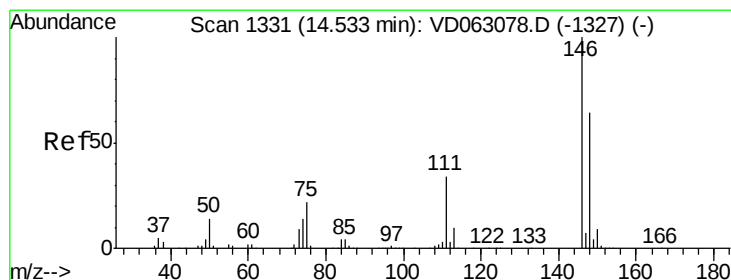
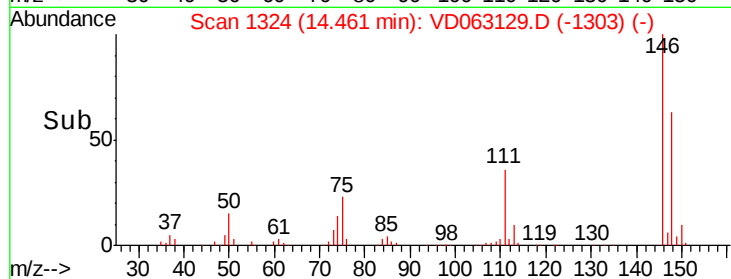
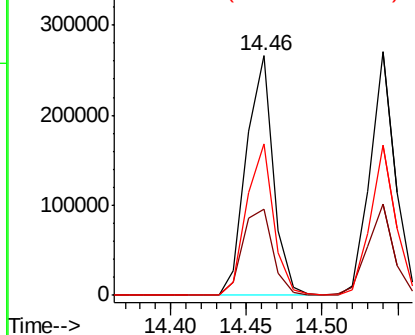
#87
 1,3-Dichlorobenzene
 Concen: 24.343 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 330998
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.6 55.6
 148 63.1 32.0 96.0

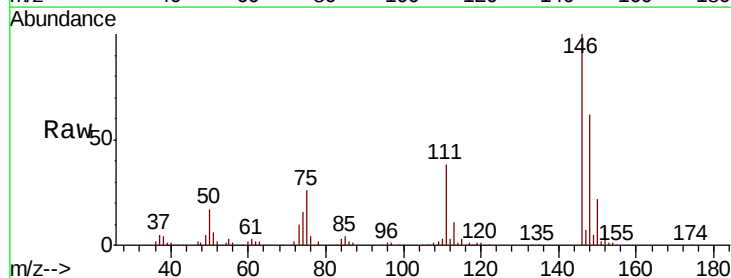


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

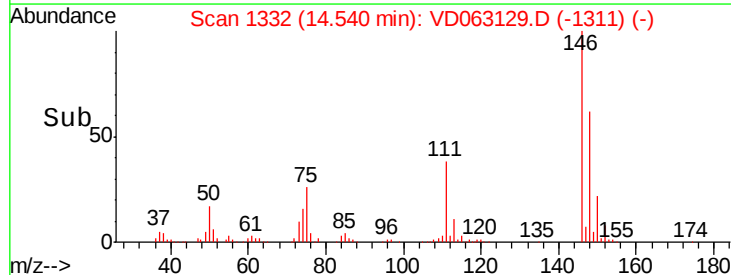
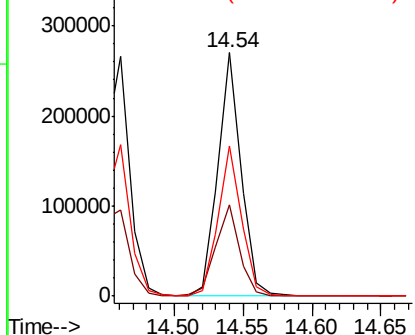


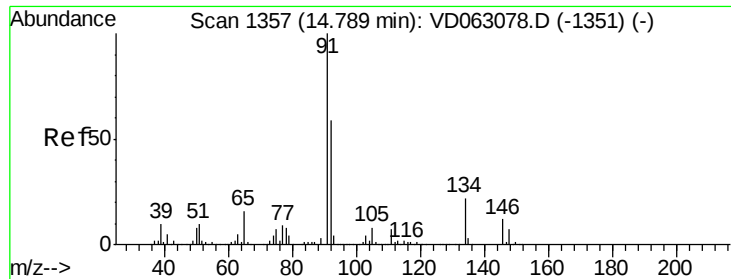
#88
 1,4-Dichlorobenzene
 Concen: 24.109 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion:146 Resp: 314266
 Ion Ratio Lower Upper
 146 100
 111 37.7 17.0 51.0
 148 61.7 32.0 96.2



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





#89

n-Butylbenzene

Concen: 22.979 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

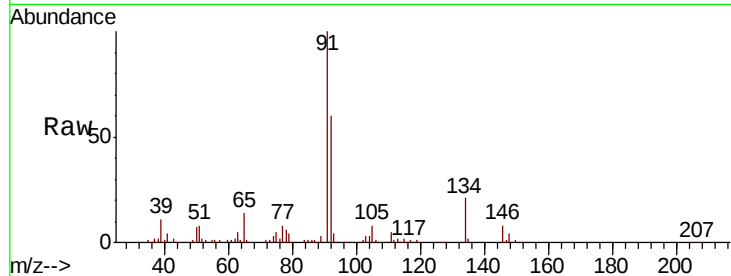
Tot Ion: 91 Resp: 555449

Ion Ratio Lower Upper

91 100

92 60.1 29.4 88.3

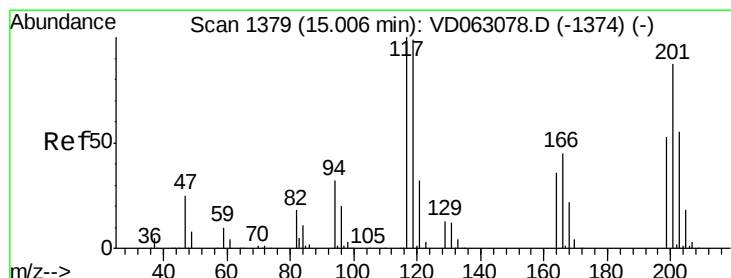
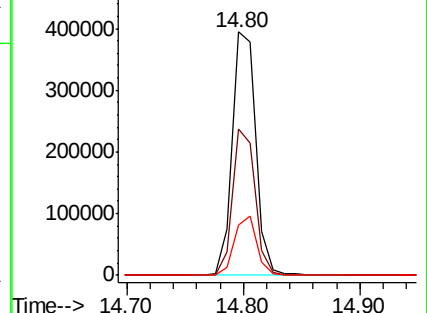
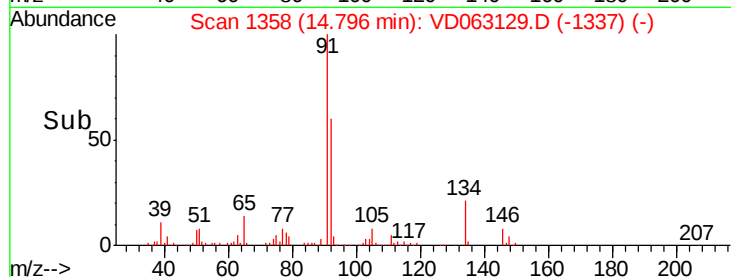
134 20.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.555 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063129.D

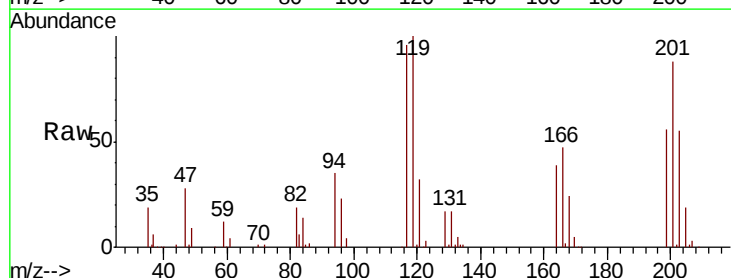
Acq: 17 Jul 2019 14:11

Tgt Ion: 117 Resp: 151113

Ion Ratio Lower Upper

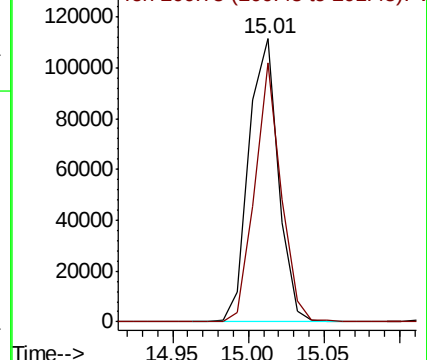
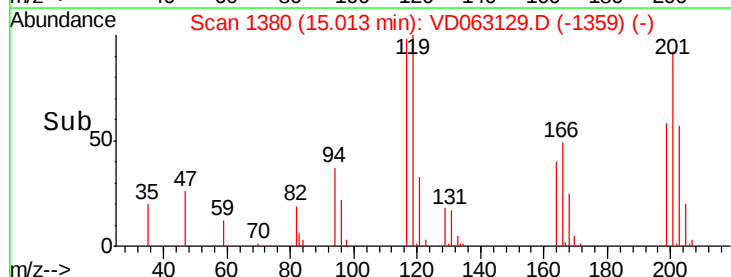
117 100

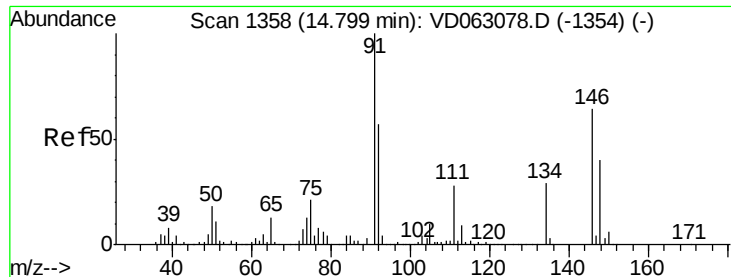
201 91.7 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

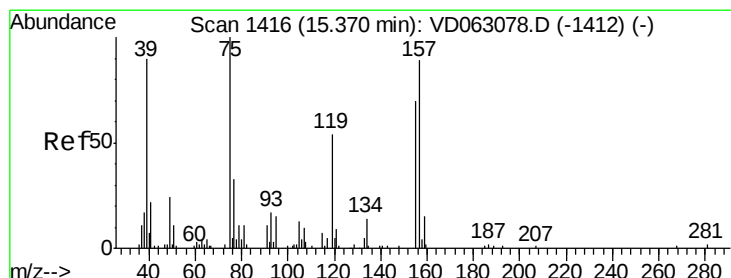
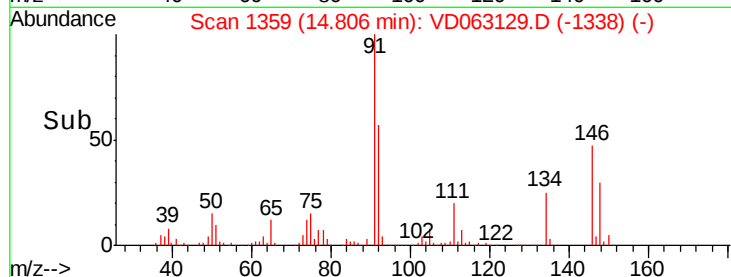
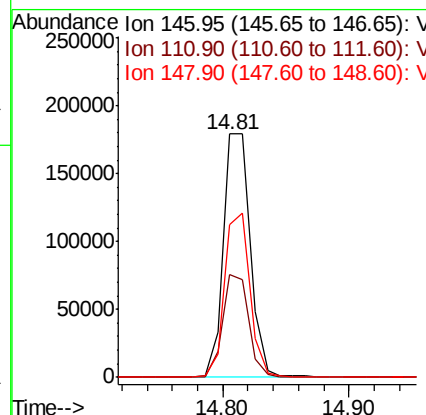
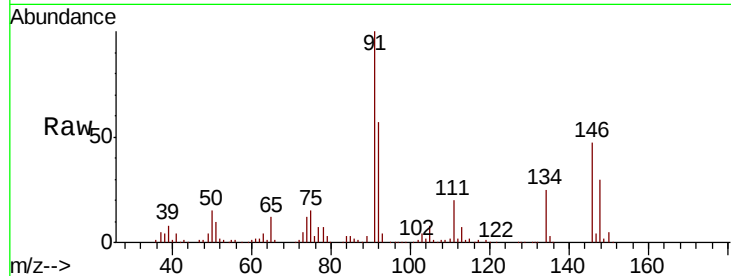




#91
 1,2-Dichlorobenzene
 Concen: 21.994 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

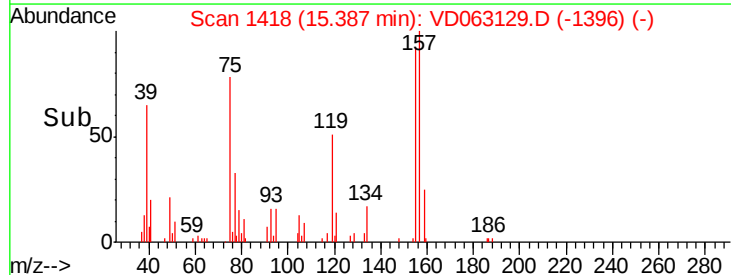
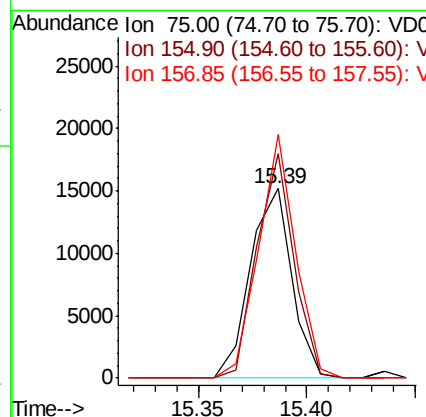
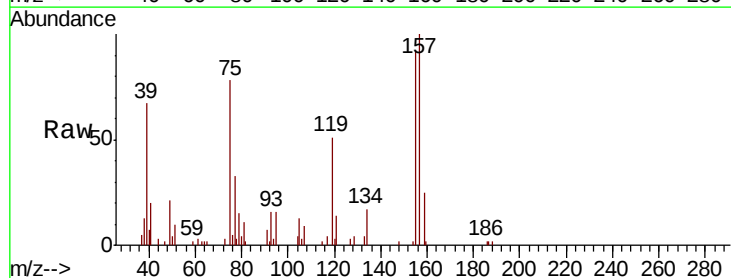
Instrument :
 MSVOA_D
 ClientSampleID :

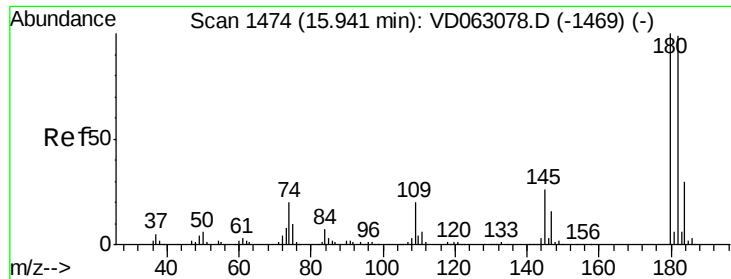
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.9	65.5
148	62.9	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.772 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	118.4	34.8	104.3#
157	128.6	44.7	134.1

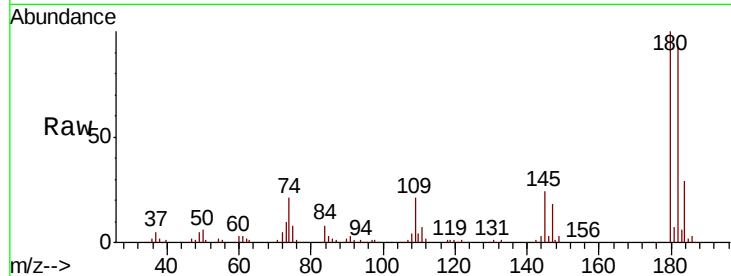




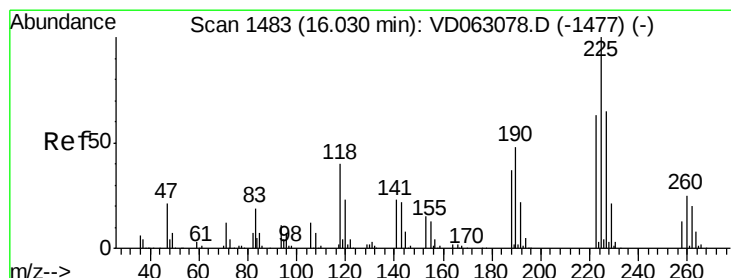
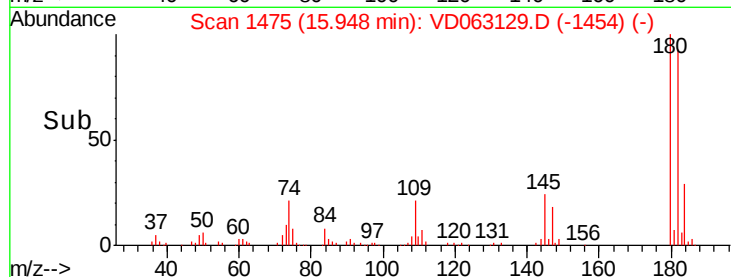
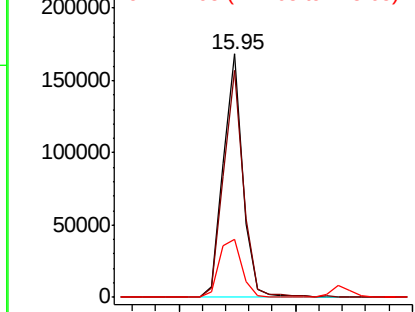
#93
 1,2,4-Trichlorobenzene
 Concen: 21.480 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 195387
 Ion Ratio Lower Upper
 180 100
 182 93.2 49.5 148.3
 145 23.7 12.8 38.4

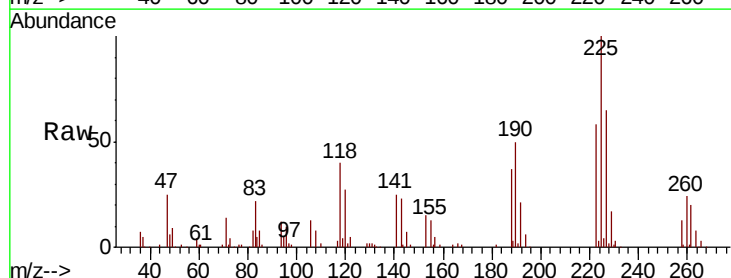


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

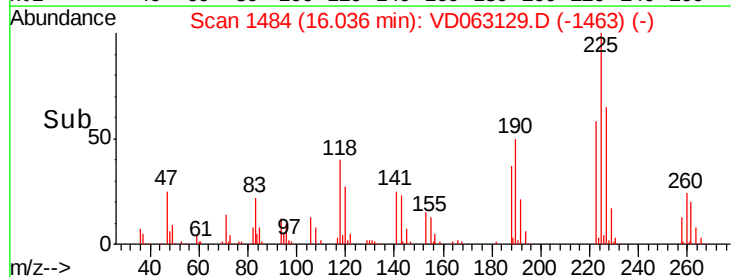
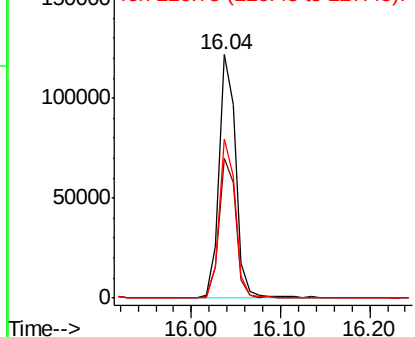


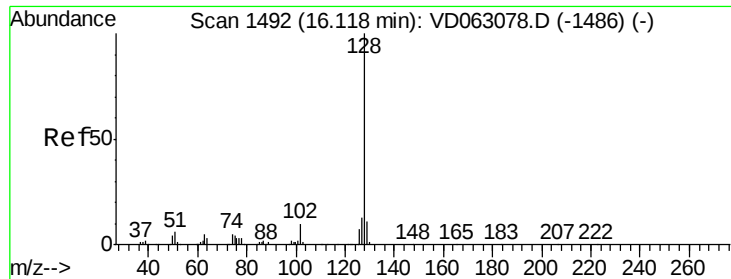
#94
 Hexachlorobutadiene
 Concen: 23.991 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063129.D
 Acq: 17 Jul 2019 14:11

Tgt Ion:225 Resp: 160856
 Ion Ratio Lower Upper
 225 100
 223 57.6 31.4 94.2
 227 65.4 32.6 97.8



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: 24.101 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

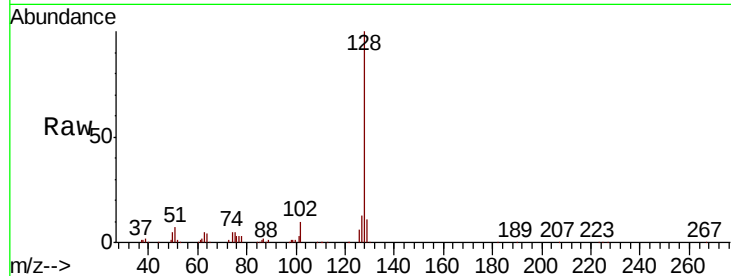
Tot Ion:128 Resp: 320684

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

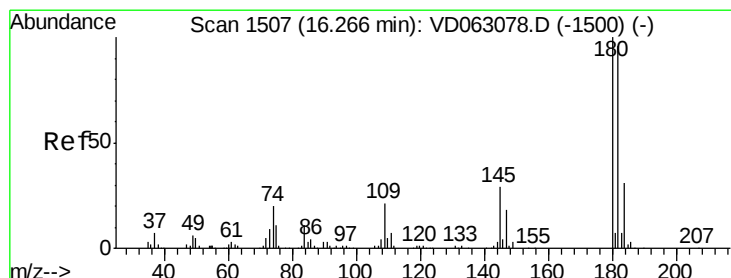
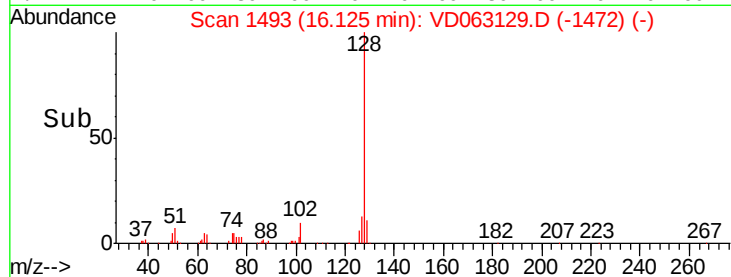
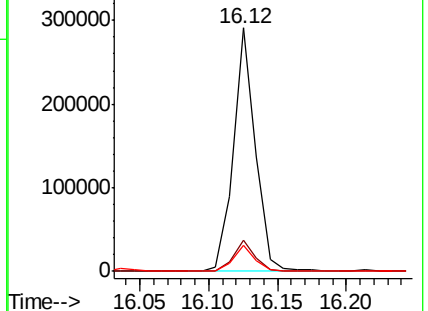
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.893 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD063129.D

Acq: 17 Jul 2019 14:11

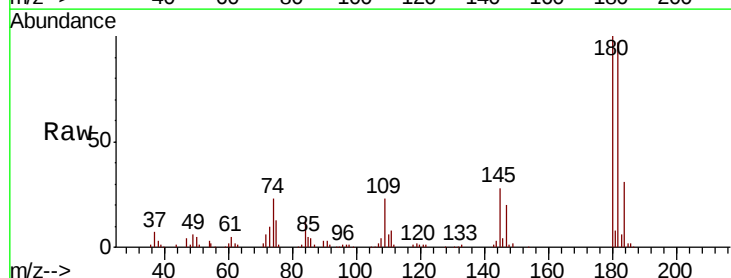
Tgt Ion:180 Resp: 152887

Ion Ratio Lower Upper

180 100

182 97.4 47.9 143.6

145 27.6 14.4 43.4



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

