

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059458.D
 Acq On : 27 Jun 2018 21:37
 Operator : VA/AP
 Sample : J3699-02MS
 Misc : 9.81g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 03:00:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	641648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	856211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	602338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	255567	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	328493	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	5.55	113	334069	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	8.71	98	715319	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	
62) 4-Bromofluorobenzene	11.94	95	254847	37.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	320987	56.226	ug/l	98
3) Chloromethane	1.48	50	135622	45.655	ug/l #	86
4) Vinyl Chloride	1.55	62	134203	43.547	ug/l #	87
5) Bromomethane	1.80	94	68337	65.628	ug/l	93
6) Chloroethane	1.88	64	84487	70.849	ug/l	99
7) Trichlorofluoromethane	2.08	101	303634	68.327	ug/l	100
8) Diethyl Ether	2.34	74	52696	52.407	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.56	101	165143	59.801	ug/l	97
10) Methyl Iodide	2.69	142	153833	47.691	ug/l	92
11) Tert butyl alcohol	3.27	59	57261	252.247	ug/l	100
12) 1,1-Dichloroethene	2.55	96	111548	52.761	ug/l	96
13) Acrolein	2.47	56	12861	63.375	ug/l #	77
14) Allyl chloride	2.92	41	212944	44.003	ug/l	90
15) Acrylonitrile	3.35	53	190750	273.794	ug/l	97
16) Acetone	2.61	43	342873	414.021	ug/l	93
17) Carbon Disulfide	2.75	76	250859	38.741	ug/l	96
18) Methyl Acetate	2.93	43	145006	79.351	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	623250	59.890	ug/l	98
20) Methylene Chloride	3.07	84	135780	59.598	ug/l	91
21) trans-1,2-Dichloroethene	3.38	96	200714	53.693	ug/l	91
22) Diisopropyl ether	4.07	45	1115085	61.242	ug/l #	76
23) Vinyl Acetate	4.07	43	715653	75.437	ug/l #	83
24) 1,1-Dichloroethane	3.97	63	628683	60.341	ug/l	98
25) 2-Butanone	4.84	43	516485	297.717	ug/l	99
26) 2,2-Dichloropropane	4.80	77	485409	60.077	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	320910	51.085	ug/l	92
28) Bromochloromethane	5.15	49	247003	54.684	ug/l	96
29) Tetrahydrofuran	5.19	42	254758	268.471	ug/l	93
30) Chloroform	5.32	83	647105	56.984	ug/l	98
31) Cyclohexane	5.60	56	314504	45.385	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	507594	55.199	ug/l	93
36) 1,1-Dichloropropene	5.75	75	376502	48.474	ug/l	96
37) Ethyl Acetate	4.93	43	219486	46.402	ug/l #	95
38) Carbon Tetrachloride	5.73	117	408560	51.019	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	244920	33.247	ug/l	92
40) Benzene	6.02	78	1052061	56.444	ug/l	99
41) Methacrylonitrile	5.13	41	121340	53.260	ug/l	95
42) 1,2-Dichloroethane	6.13	62	446915	54.266	ug/l	96
43) Isopropyl Acetate	7.62	43	257617	43.369	ug/l #	98
44) Trichloroethene	6.99	130	314138	51.474	ug/l	90
45) 1,2-Dichloropropane	7.35	63	289189	56.019	ug/l	93
46) Dibromomethane	7.46	93	198189	53.383	ug/l	96
47) Bromodichloromethane	7.74	83	463435	55.787	ug/l	95
48) Methyl methacrylate	7.51	41	191010	52.780	ug/l	98
49) 1,4-Dioxane	7.49	88	39975	1101.396	ug/l	98
51) 4-Methyl-2-Pentanone	8.60	43	1062638	268.458	ug/l	98
52) Toluene	8.81	92	530233	47.632	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	350837	50.539	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	421408	52.428	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	223275	55.246	ug/l	90
56) Ethyl methacrylate	9.32	69	254157	55.111	ug/l	96
57) 1,3-Dichloropropane	9.67	76	368787	55.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	656116	276.364	ug/l	98
59) 2-Hexanone	9.79	43	782038	277.981	ug/l	99
60) Dibromochloromethane	9.96	129	303181	53.570	ug/l	96
61) 1,2-Dibromoethane	10.10	107	224762	49.941	ug/l	99
64) Tetrachloroethene	9.52	164	414762	78.493	ug/l	93
65) Chlorobenzene	10.73	112	576579	52.350	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.86	131	261988	61.969	ug/l	95
67) Ethyl Benzene	10.87	91	975805	52.505	ug/l	100
68) m/p-Xylenes	11.01	106	633163	102.684	ug/l	99
69) o-Xylene	11.41	106	318422	52.234	ug/l	92
70) Styrene	11.44	104	492288	47.110	ug/l	97
71) Bromoform	11.60	173	201564	57.551	ug/l	95
73) Isopropylbenzene	11.78	105	846136	58.669	ug/l	95
74) N-amyl acetate	11.65	43	253939	46.279	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	223116	65.942	ug/l	89
76) 1,2,3-Trichloropropane	12.12	75	254998	72.337	ug/l	98
77) Bromobenzene	12.05	156	281031	61.912	ug/l	87
78) n-propylbenzene	12.16	91	1011189	55.360	ug/l	95
79) 2-Chlorotoluene	12.22	91	616072	57.433	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	632674	55.105	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	53197	66.394	ug/l	93
82) 4-Chlorotoluene	12.33	91	666012	54.755	ug/l	93
83) tert-Butylbenzene	12.58	119	493106	40.376	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	644569	53.048	ug/l	93
85) sec-Butylbenzene	12.76	105	667679	44.553	ug/l	100
86) p-Isopropyltoluene	12.89	119	555647	46.001	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	370194	49.573	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	362576	49.201	ug/l	95
89) n-Butylbenzene	13.20	91	481166	40.355	ug/l	97
90) Hexachloroethane	13.41	117	138778	46.050	ug/l	88
91) 1,2-Dichlorobenzene	13.20	146	345859	54.625	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.78	75	37602	67.397	ug/l	75

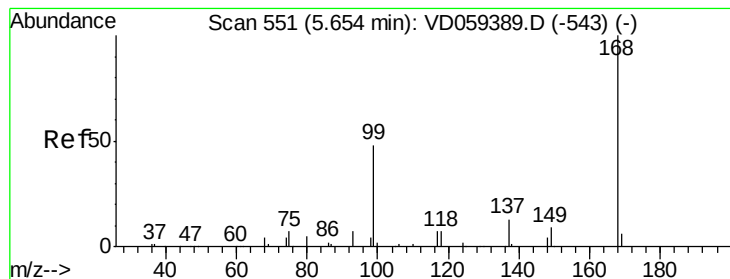
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	181034	30.926	ug/l	91
94) Hexachlorobutadiene	14.44	225	86688	19.680	ug/l	95
95) Naphthalene	14.52	128	370163	45.372	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	148906	28.292	ug/l	98

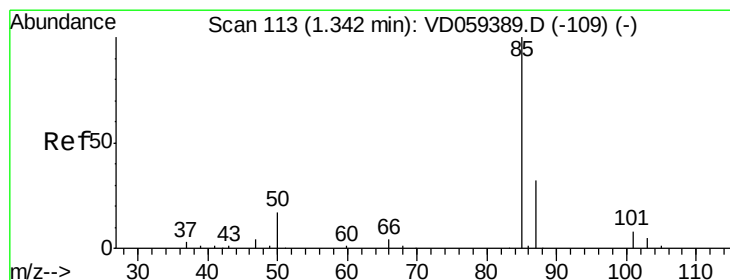
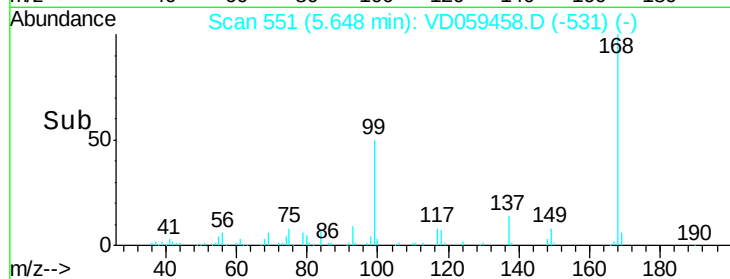
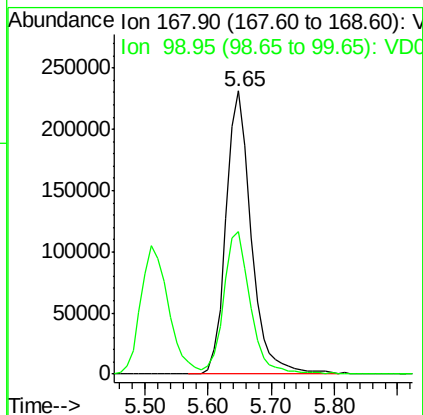
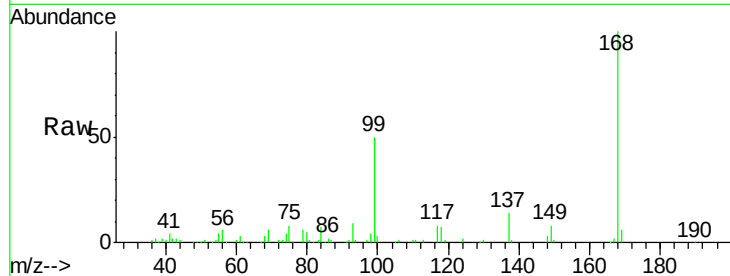
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

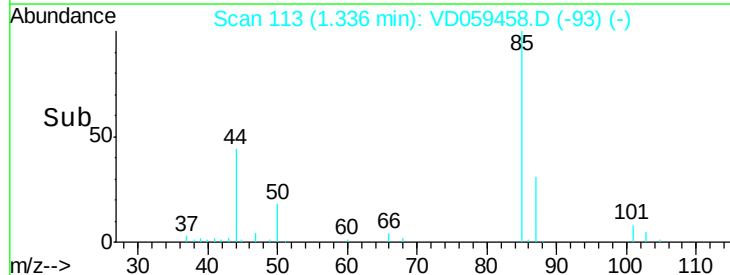
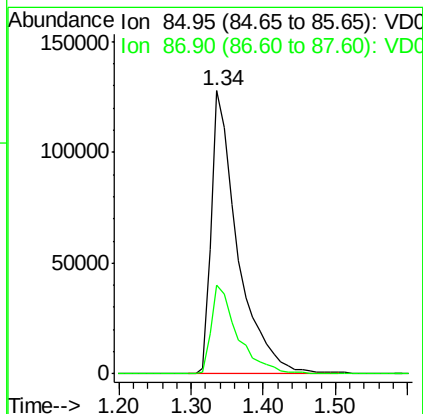
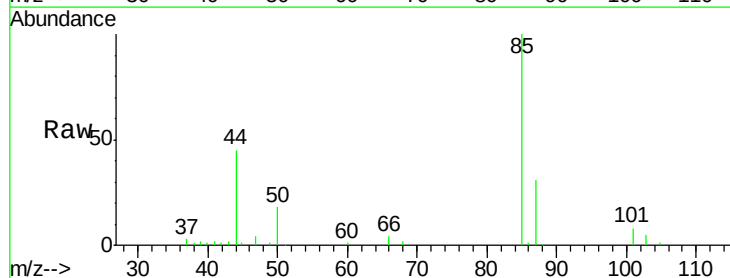
Instrument :
MSVOA_D
ClientSampled :

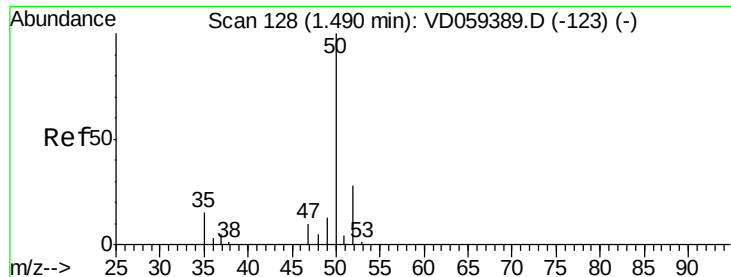
Tot Ion:168 Resp: 641648
Ion Ratio Lower Upper
168 100
99 50.3 41.0 61.6



#2
Dichlorodifluoromethane
Concen: 56.226 ug/l
RT: 1.34 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 85 Resp: 320987
Ion Ratio Lower Upper
85 100
87 31.5 16.2 48.6





#3

Chloromethane

Concen: 45.655 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

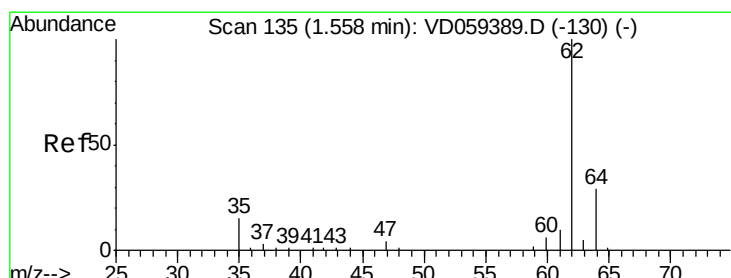
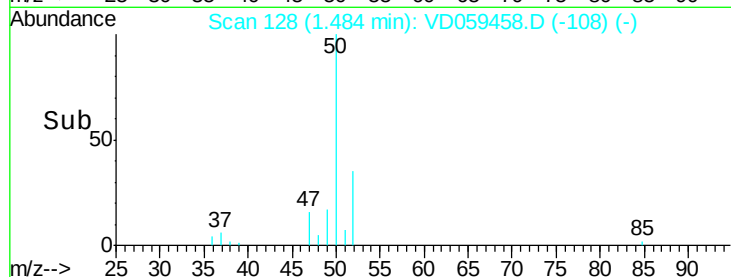
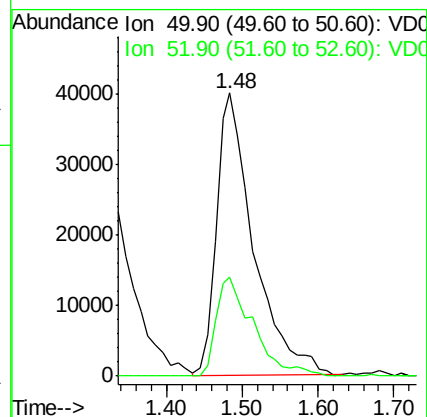
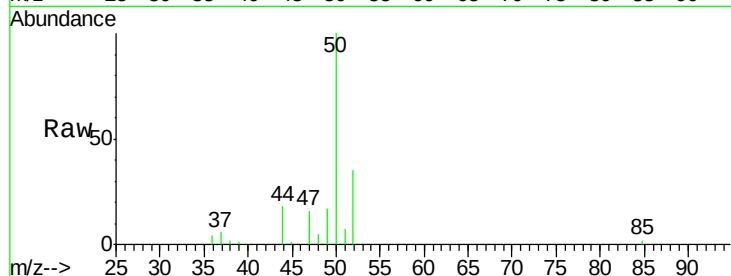
ClientSampleId :

Tot Ion: 50 Resp: 135622

Ion Ratio Lower Upper

50 100

52 34.8 21.8 32.8#



#4

Vinyl Chloride

Concen: 43.547 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD059458.D

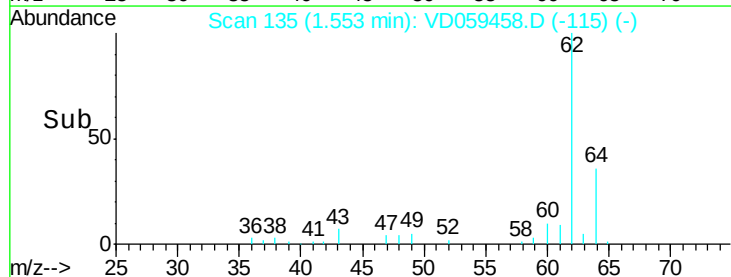
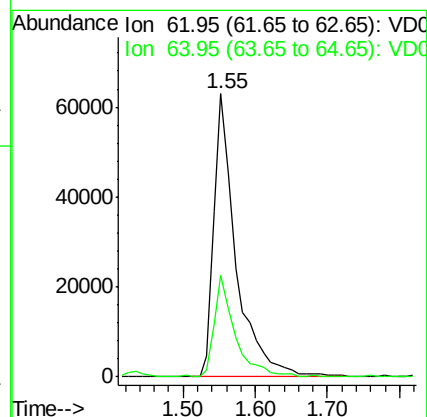
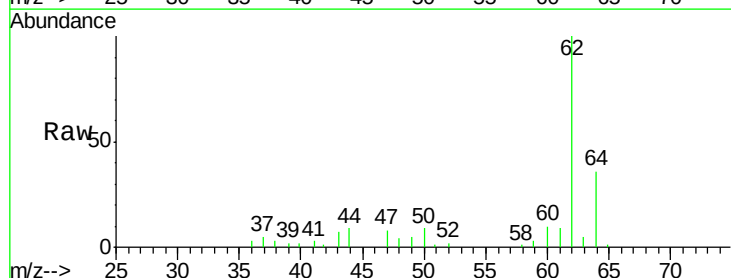
Acq: 27 Jun 2018 21:37

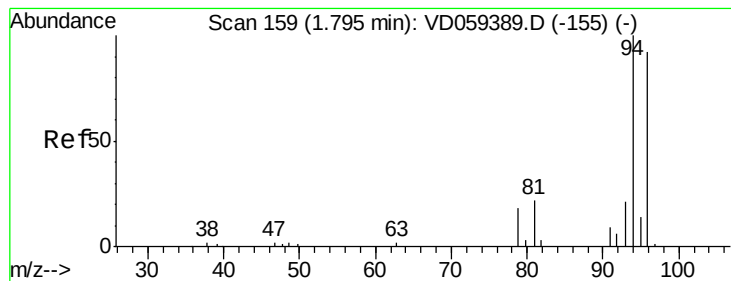
Tgt Ion: 62 Resp: 134203

Ion Ratio Lower Upper

62 100

64 35.9 23.0 34.6#





#5

Bromomethane

Concen: 65.628 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

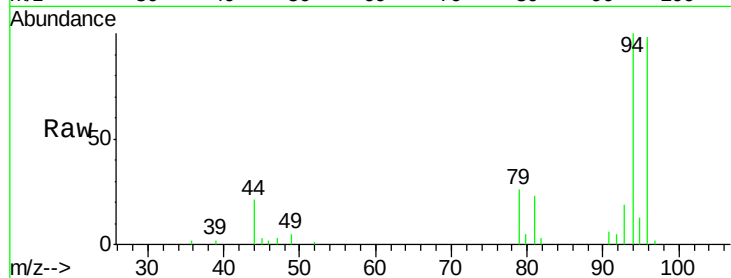
ClientSampleId :

Tot Ion: 94 Resp: 68337

Ion Ratio Lower Upper

94 100

96 98.0 73.4 110.0

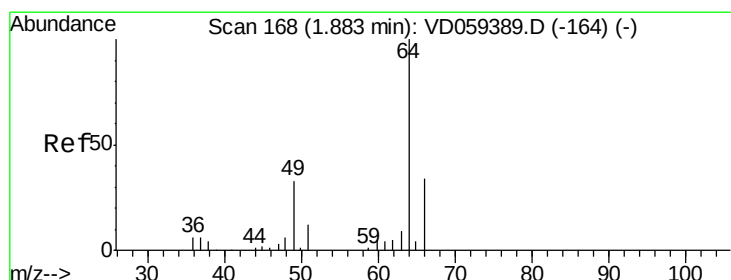
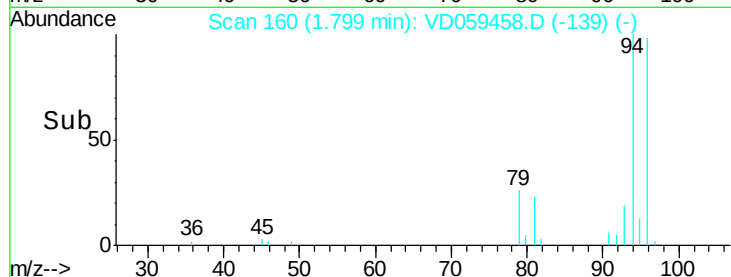


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.80

Time-->



#6

Chloroethane

Concen: 70.849 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD059458.D

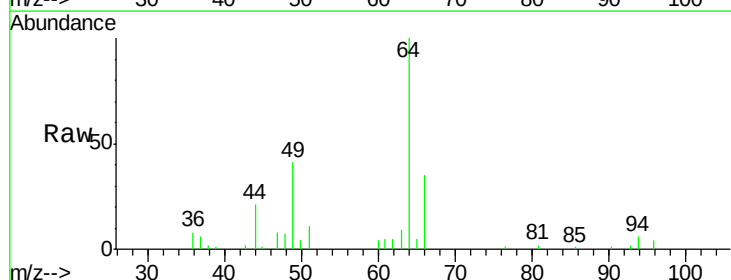
Acq: 27 Jun 2018 21:37

Tgt Ion: 64 Resp: 84487

Ion Ratio Lower Upper

64 100

66 34.6 27.1 40.7

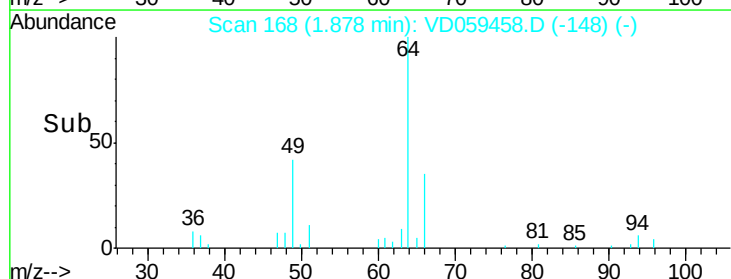


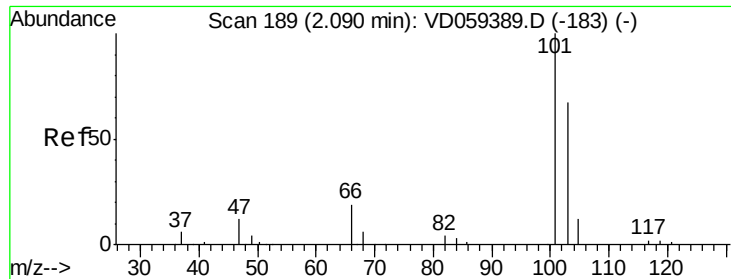
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.88

Time-->



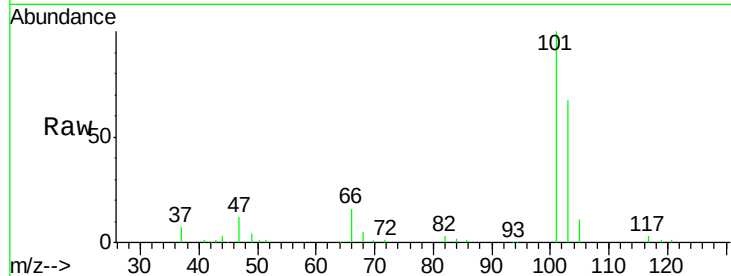


#7

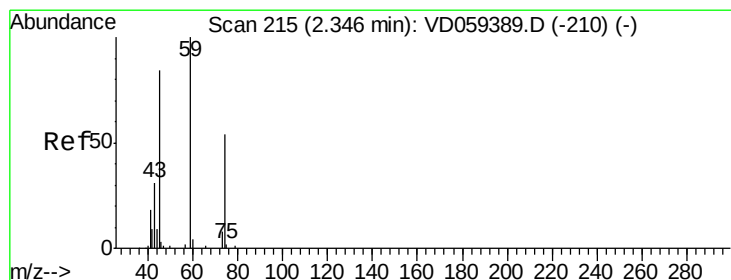
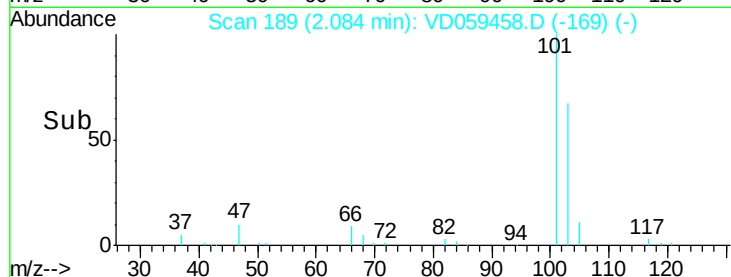
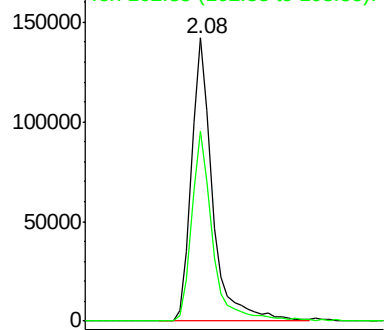
Trichlorofluoromethane
 Concen: 68.327 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Instrument :
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 ClientSampleId :

Tot Ion:101 Resp: 303634
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.4 80.0



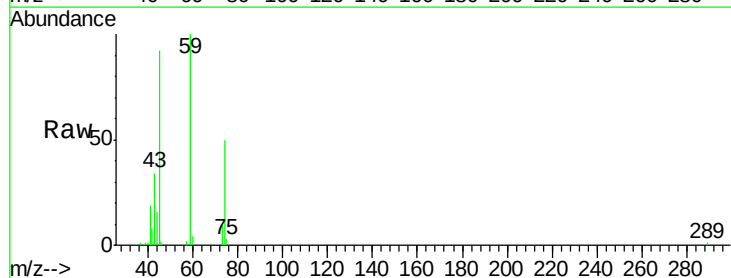
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



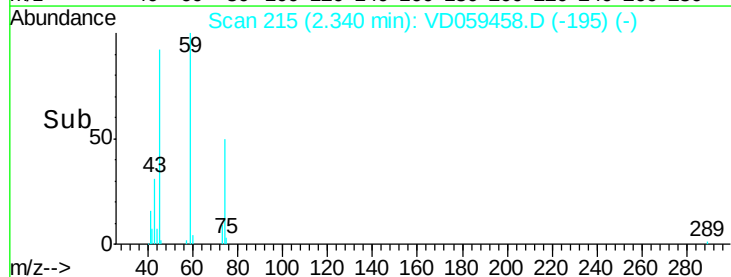
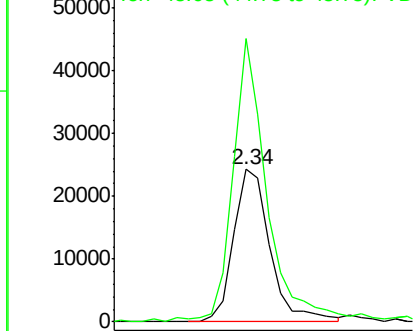
#8

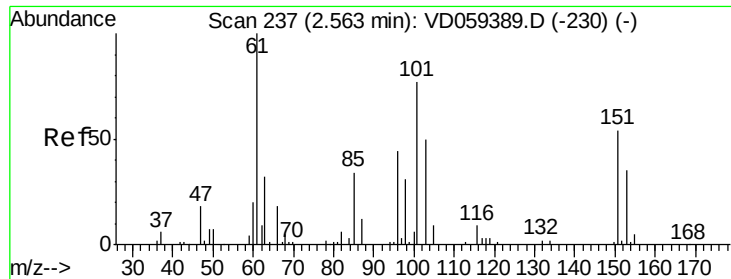
Diethyl Ether
 Concen: 52.407 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion: 74 Resp: 52696
 Ion Ratio Lower Upper
 74 100
 45 185.4 78.0 233.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.801 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

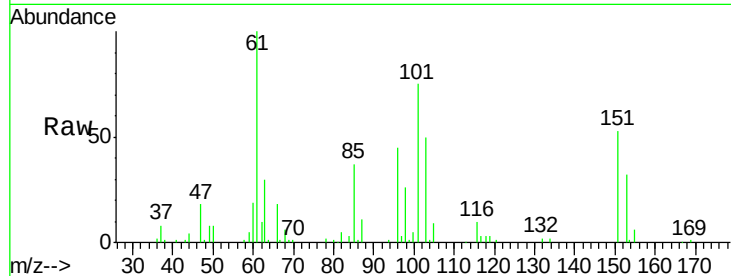
Tot Ion:101 Resp: 165143

Ion Ratio Lower Upper

101 100

85 48.7 35.7 53.5

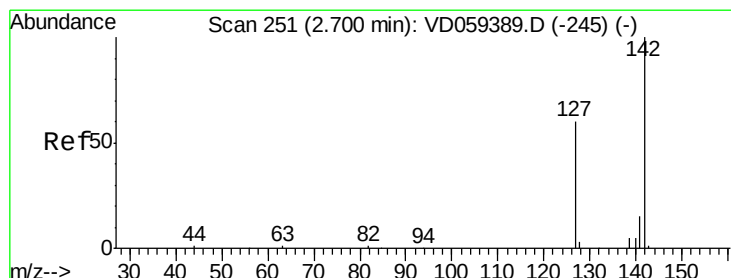
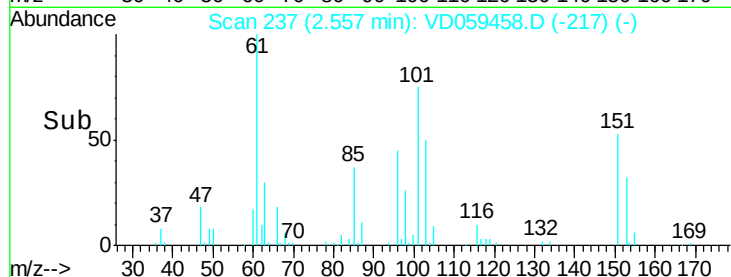
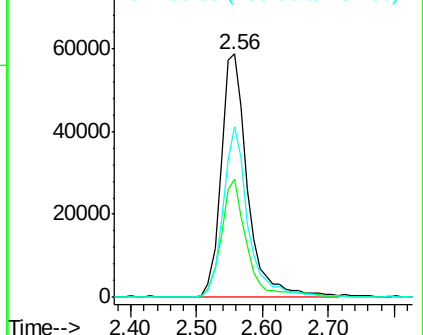
151 70.3 55.8 83.8



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: 47.691 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

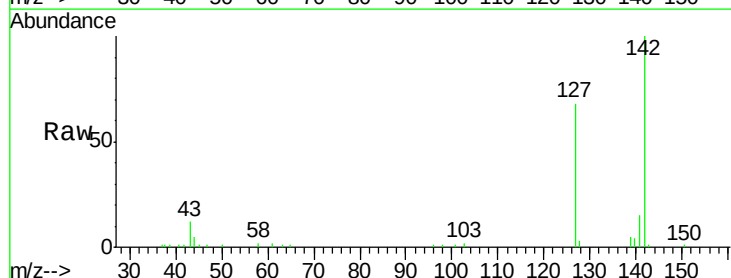
Tgt Ion:142 Resp: 153833

Ion Ratio Lower Upper

142 100

127 67.9 48.4 72.6

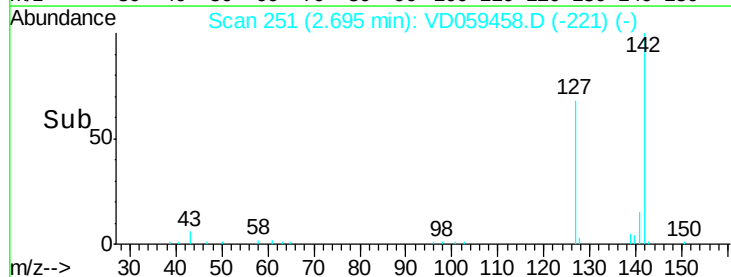
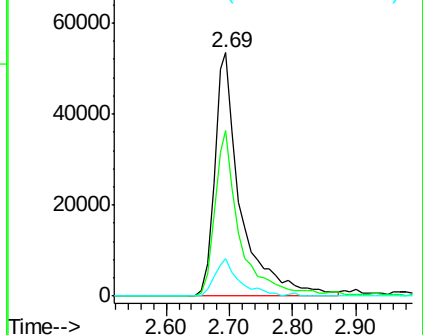
141 15.4 12.1 18.1

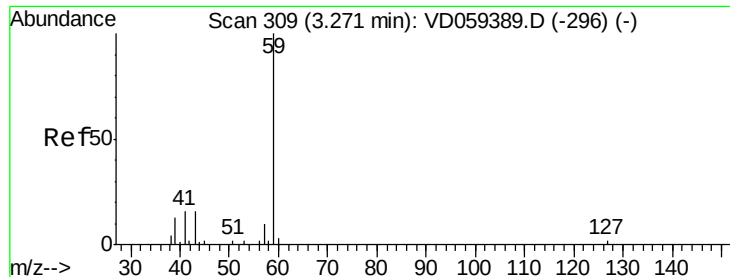


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



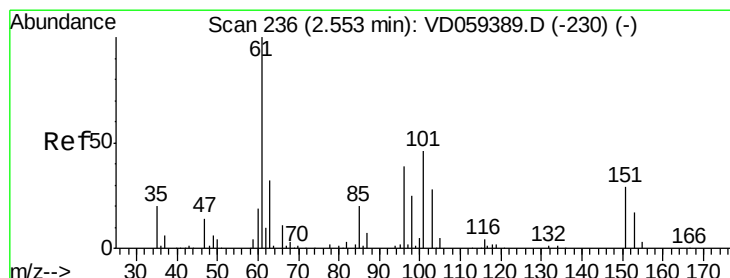
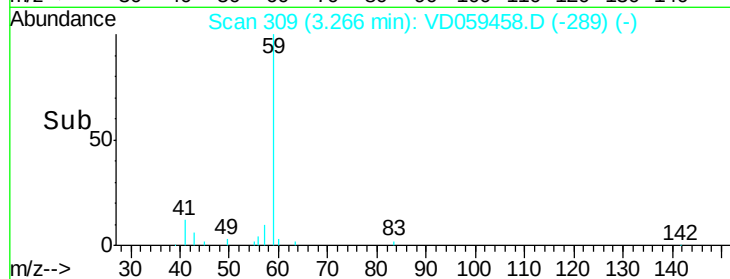
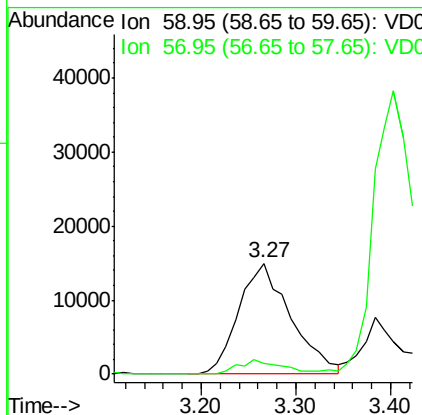
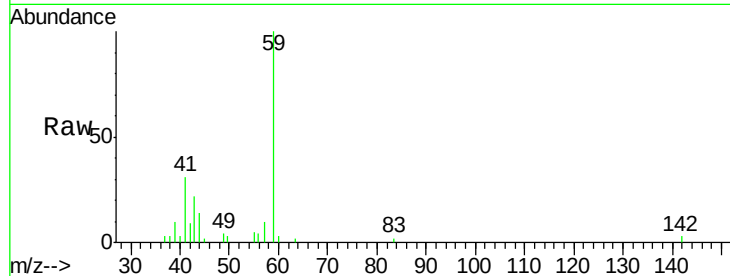


#11

Tert butyl alcohol
Concen: 252.247 ug/l
RT: 3.27 min Scan# 309
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Instrument :
MSVOA_D
ClientSampleId :

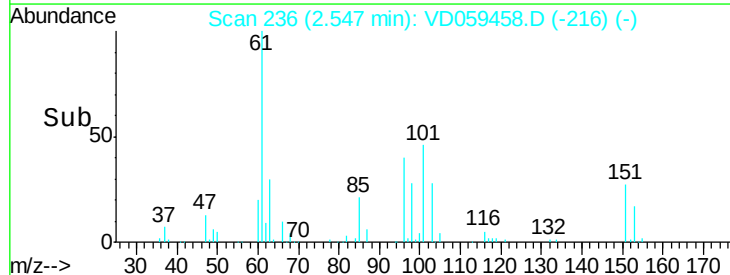
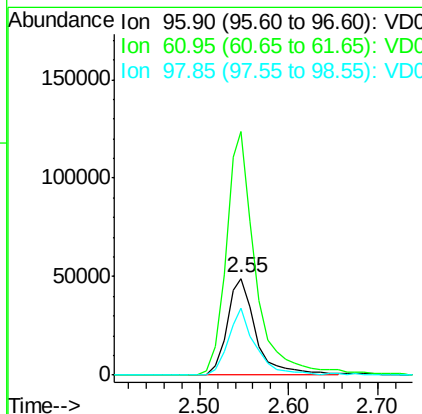
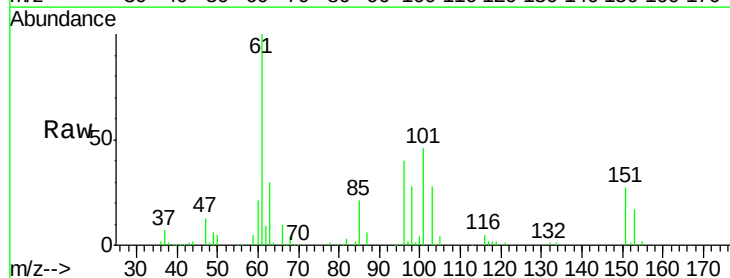
Tot Ion: 59 Resp: 57261
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

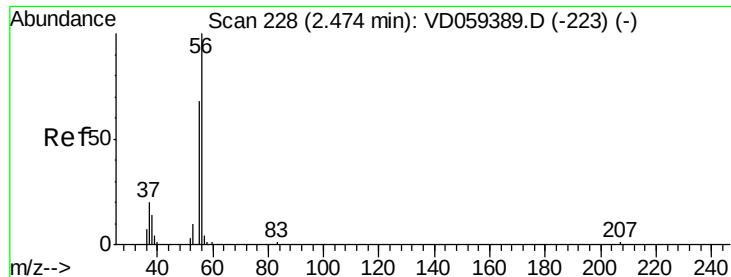


#12

1,1-Dichloroethene
Concen: 52.761 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 96 Resp: 111548
Ion Ratio Lower Upper
96 100
61 250.9 205.4 308.0
98 69.2 51.0 76.4





#13

Acrolein

Concen: 63.375 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

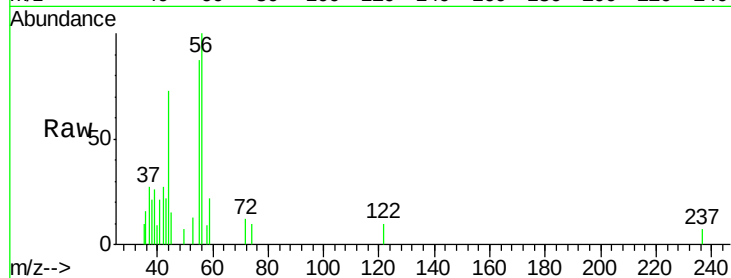
ClientSampleId :

Tot Ion: 56 Resp: 12861

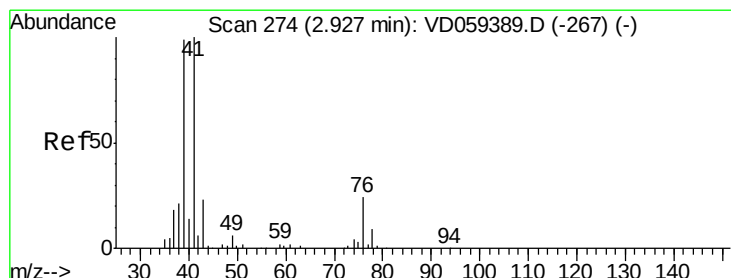
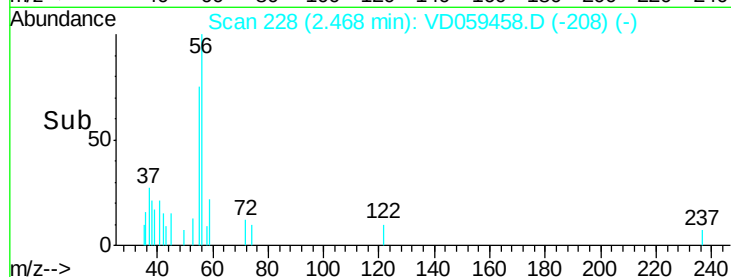
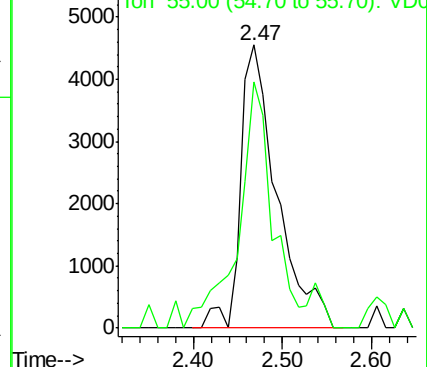
Ion Ratio Lower Upper

56 100

55 86.9 54.6 82.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC



#14

Allyl chloride

Concen: 44.003 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

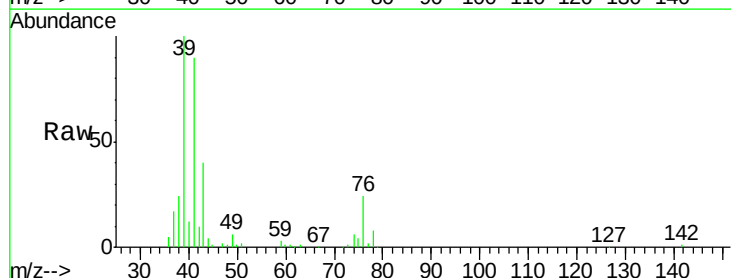
Tgt Ion: 41 Resp: 212944

Ion Ratio Lower Upper

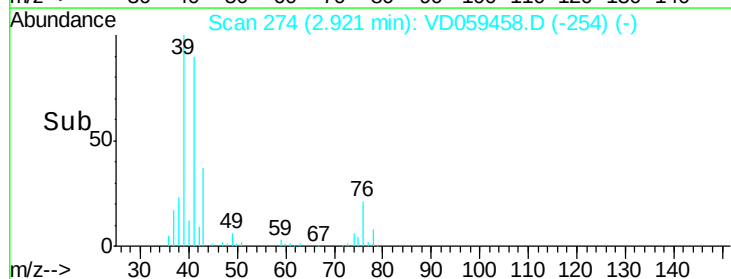
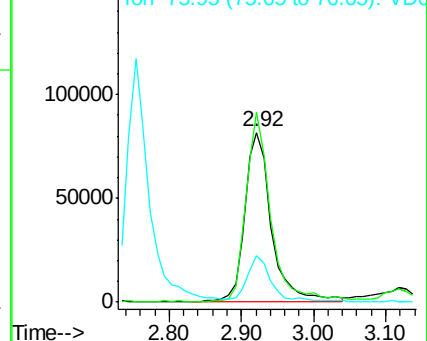
41 100

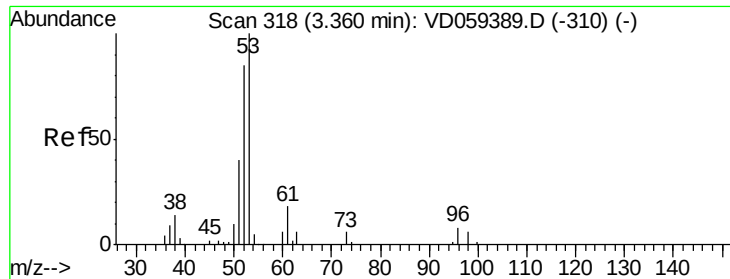
39 111.5 79.1 118.7

76 27.3 21.9 32.9



Abundance Ion 41.05 (40.75 to 41.75): VDC





#15

Acrylonitrile

Concen: 273.794 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

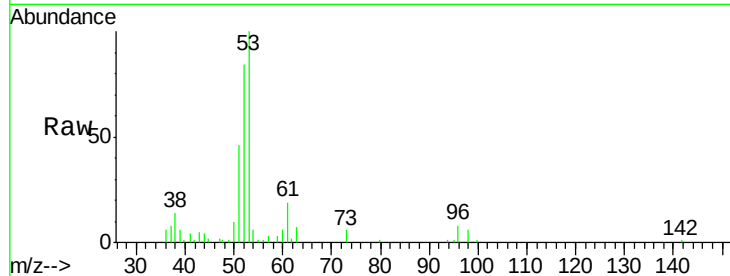
Tot Ion: 53 Resp: 190750

Ion Ratio Lower Upper

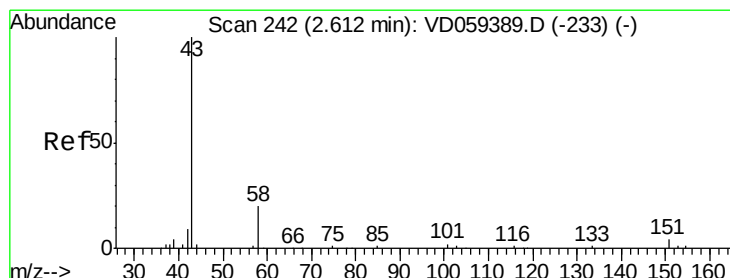
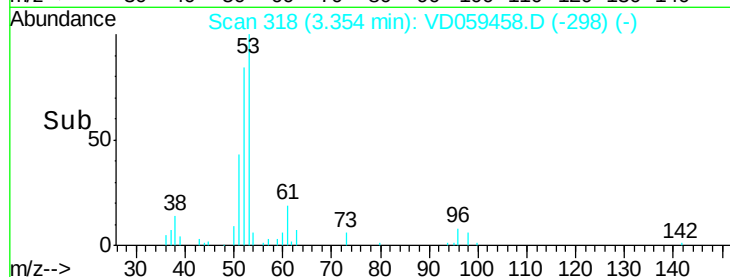
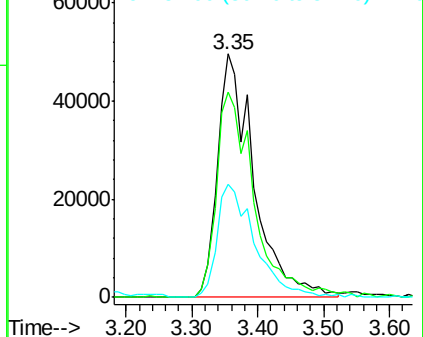
53 100

52 84.5 67.9 101.9

51 46.2 32.2 48.4



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: 414.021 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059458.D

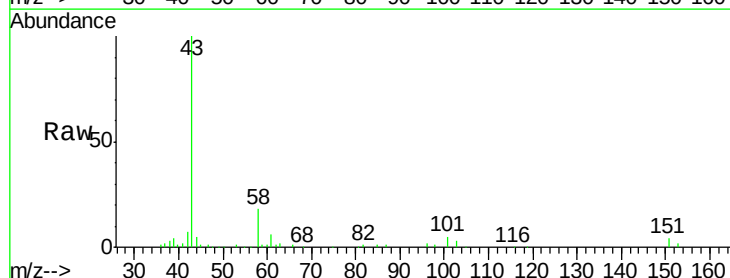
Acq: 27 Jun 2018 21:37

Tgt Ion: 43 Resp: 342873

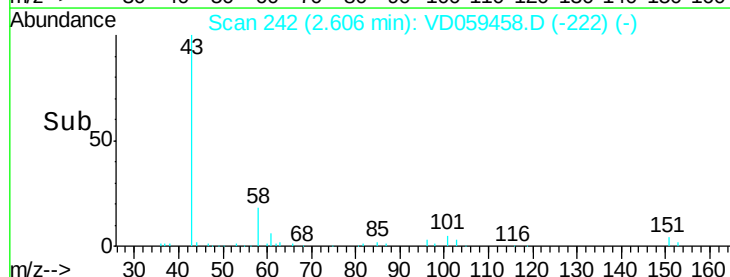
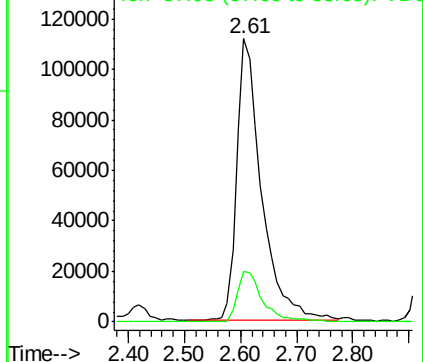
Ion Ratio Lower Upper

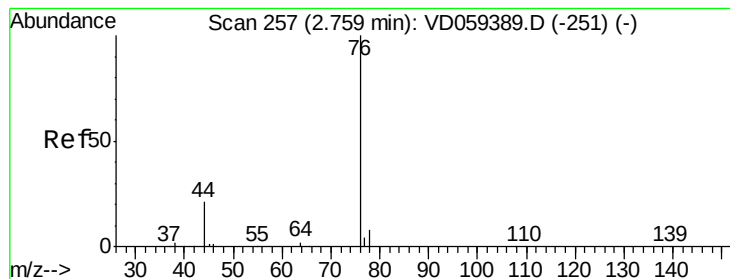
43 100

58 17.8 16.8 25.2



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





#17

Carbon Disulfide

Concen: 38.741 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

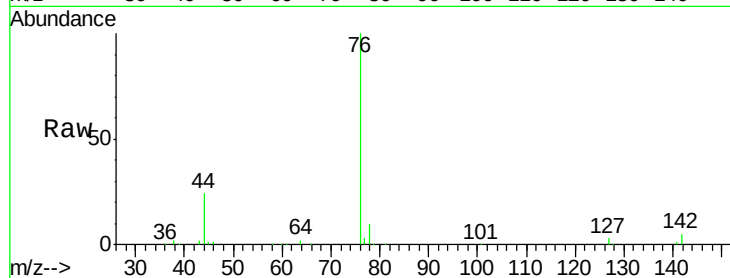
ClientSampleId :

Tot Ion: 76 Resp: 250859

Ion Ratio Lower Upper

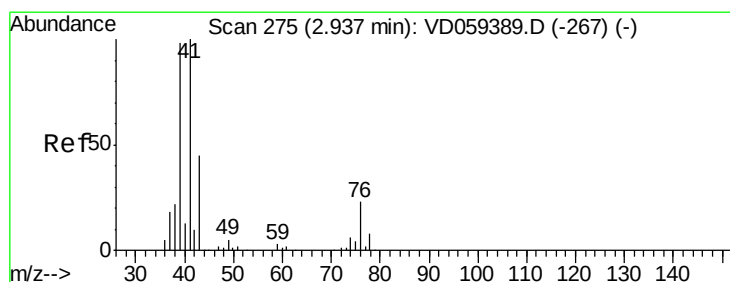
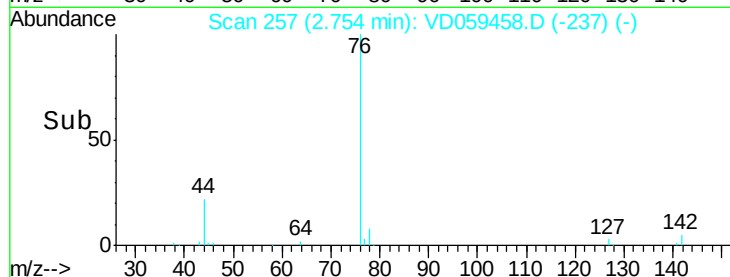
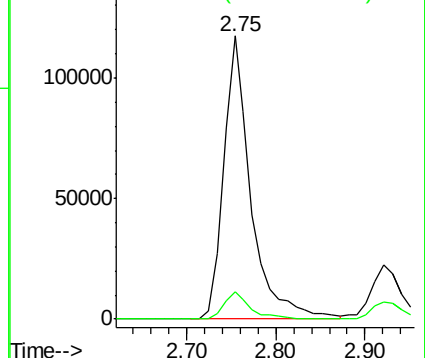
76 100

78 9.5 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 79.351 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD059458.D

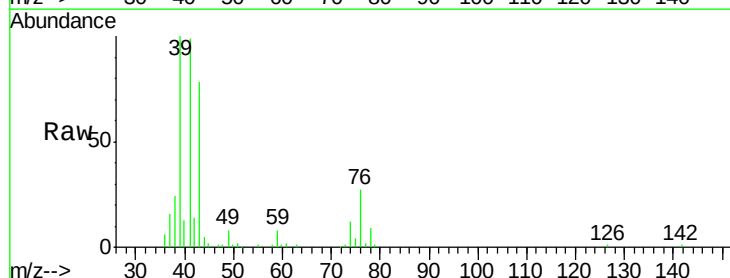
Acq: 27 Jun 2018 21:37

Tgt Ion: 43 Resp: 145006

Ion Ratio Lower Upper

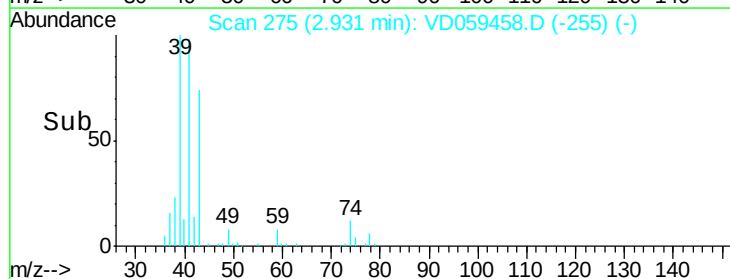
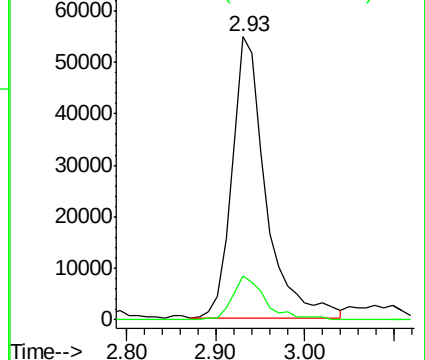
43 100

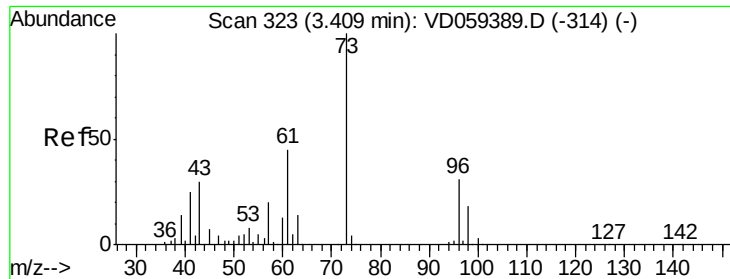
74 15.6 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

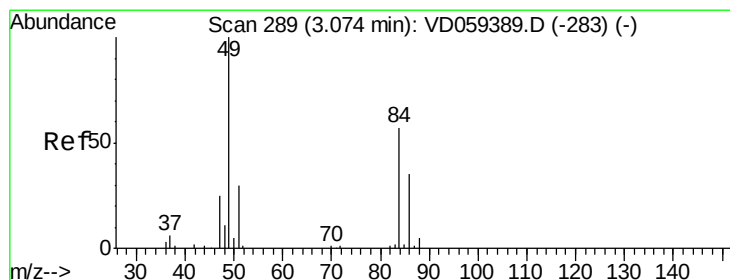
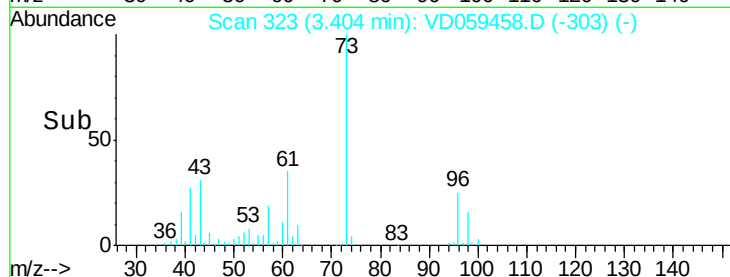
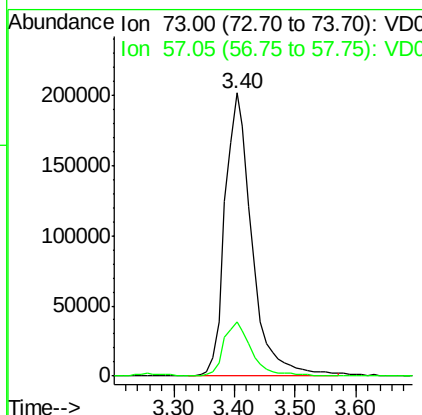
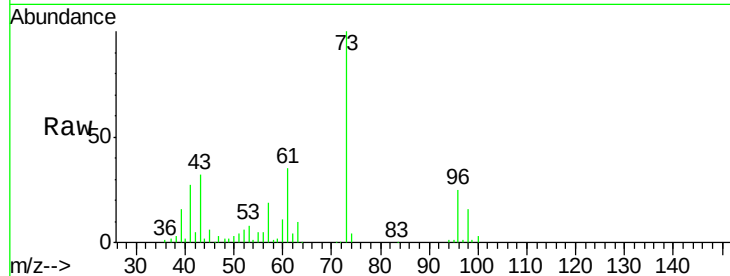




#19
Methyl tert-butyl Ether
Concen: 59.890 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

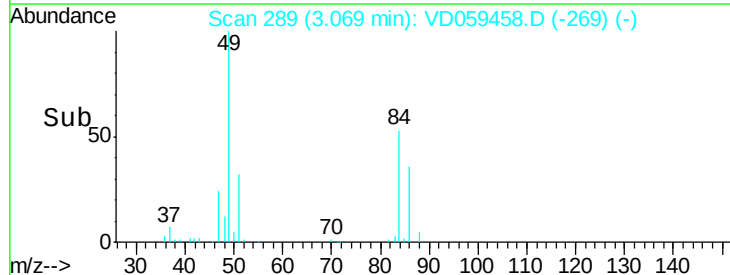
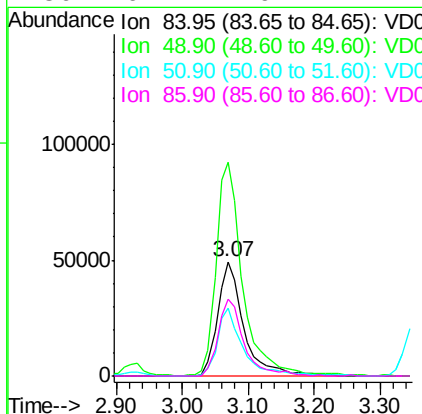
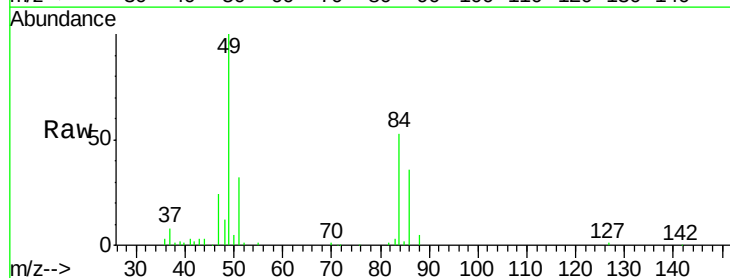
Instrument :
MSVOA_D
ClientSampleId :

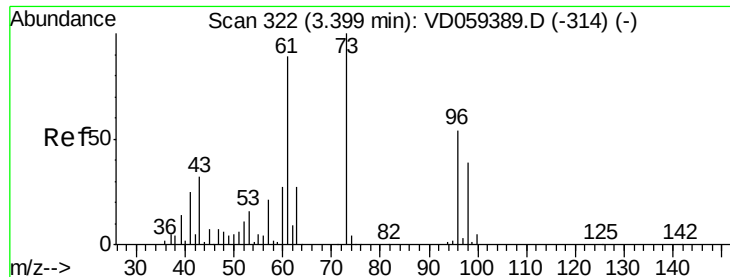
Tot Ion: 73 Resp: 623250
Ion Ratio Lower Upper
73 100
57 19.0 16.1 24.1



#20
Methylene Chloride
Concen: 59.598 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 84 Resp: 135780
Ion Ratio Lower Upper
84 100
49 187.3 140.3 210.5
51 59.2 41.6 62.4
86 67.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 53.693 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampled :

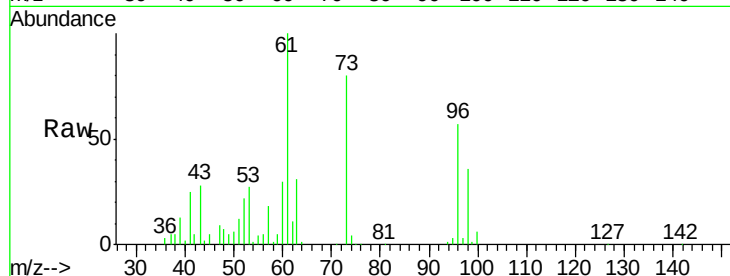
Tot Ion: 96 Resp: 200714

Ion Ratio Lower Upper

96 100

61 174.6 131.0 196.4

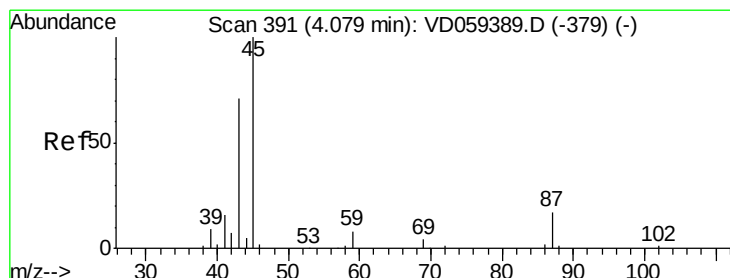
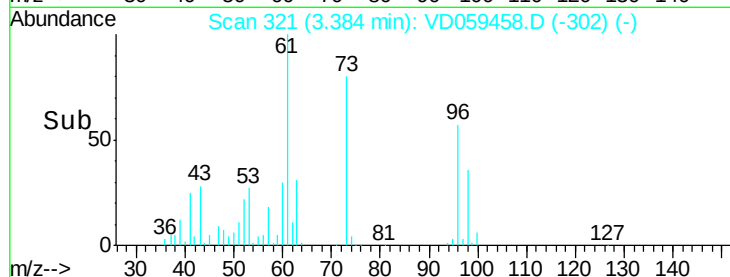
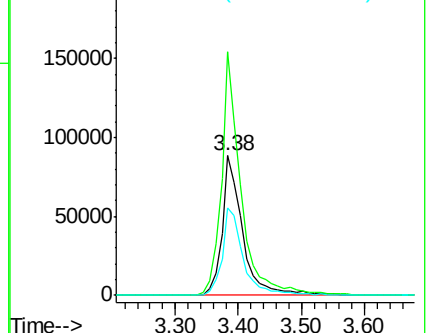
98 62.9 56.8 85.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 61.242 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Tgt Ion: 45 Resp: 1115085

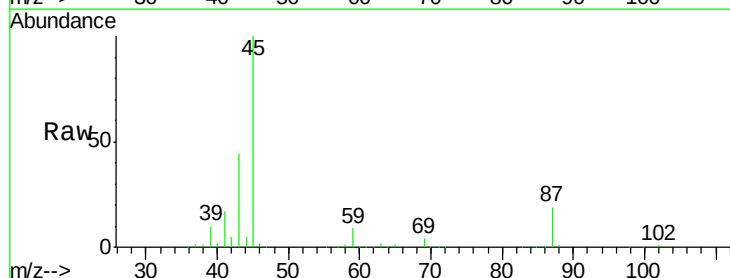
Ion Ratio Lower Upper

45 100

43 44.4 56.9 85.3#

87 18.7 14.2 21.4

59 9.4 7.0 10.4

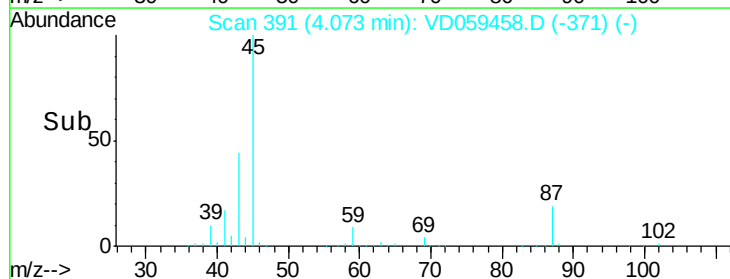
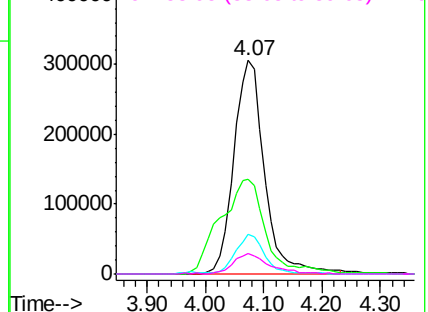


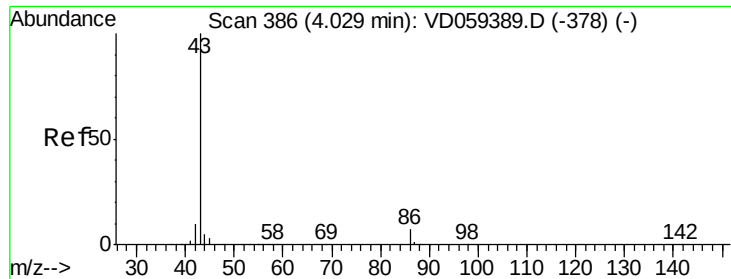
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 75.437 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.04 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

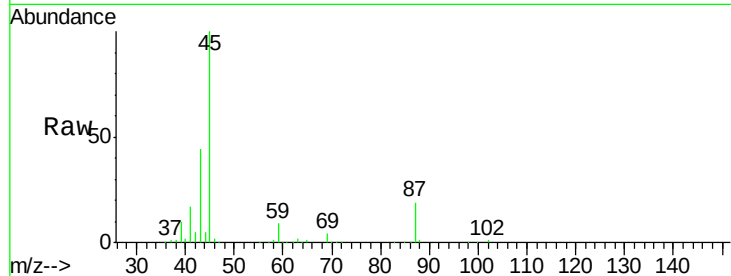
ClientSampleId :

Tot Ion: 43 Resp: 715653

Ion Ratio Lower Upper

43 100

86 0.7 5.2 7.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.07

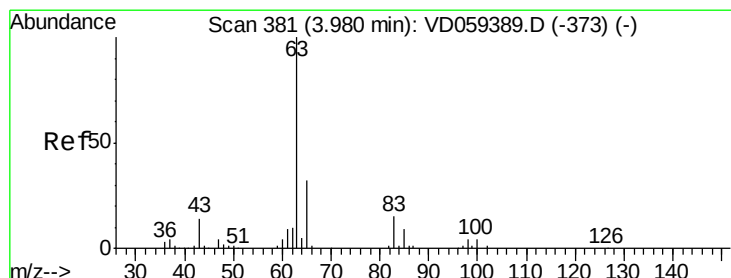
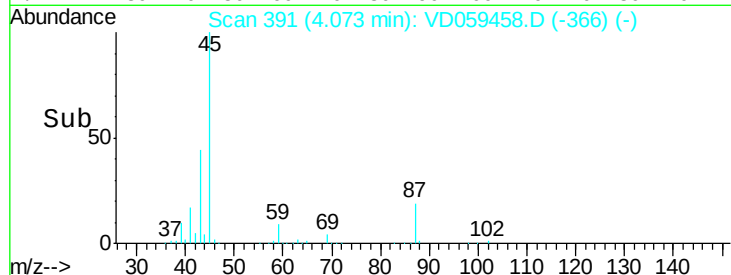
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 60.341 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

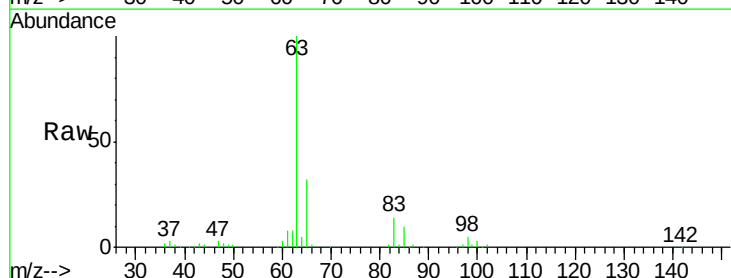
Tgt Ion: 63 Resp: 628683

Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.5

100 2.6 1.8 5.5



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

3.97

250000

200000

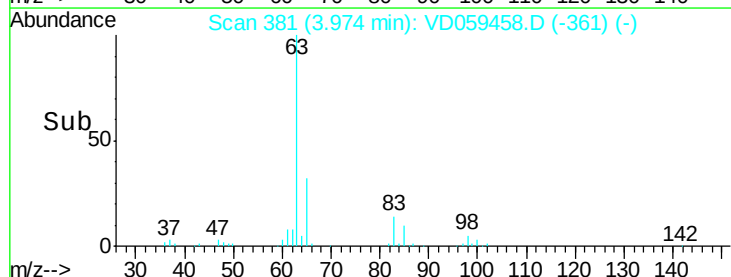
150000

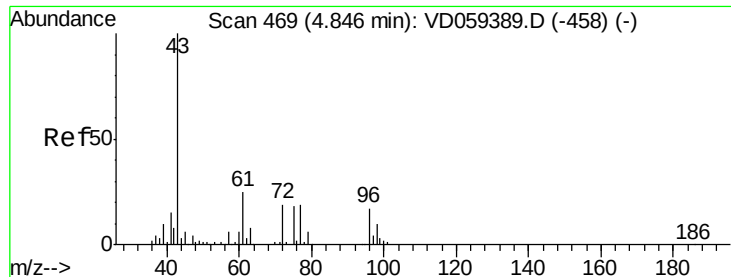
100000

50000

0

Time-->





#25

2-Butanone

Concen: 297.717 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

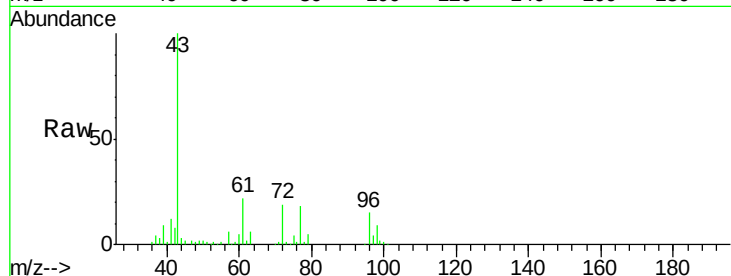
ClientSampleId :

Tot Ion: 43 Resp: 516485

Ion Ratio Lower Upper

43 100

72 19.0 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

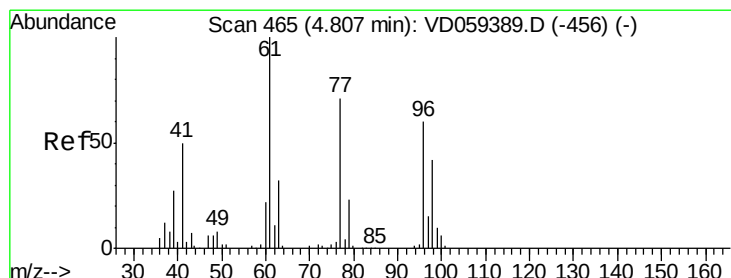
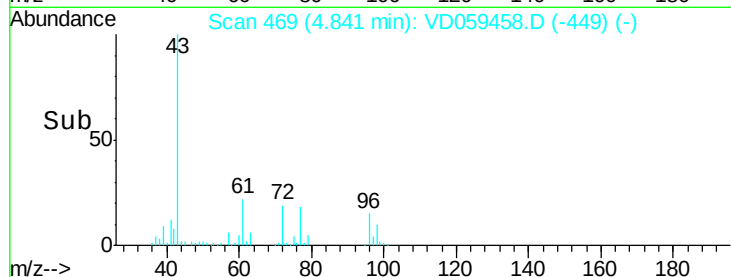
100000

50000

0

4.70 4.80 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 60.077 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059458.D

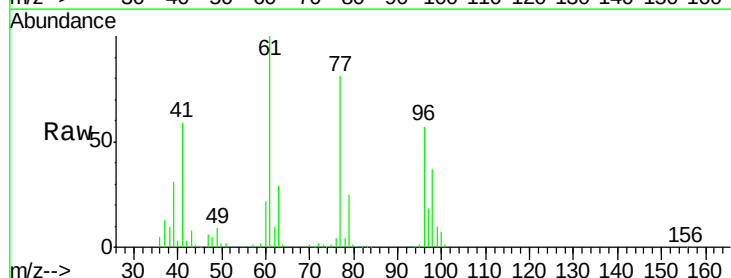
Acq: 27 Jun 2018 21:37

Tgt Ion: 77 Resp: 485409

Ion Ratio Lower Upper

77 100

97 22.7 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

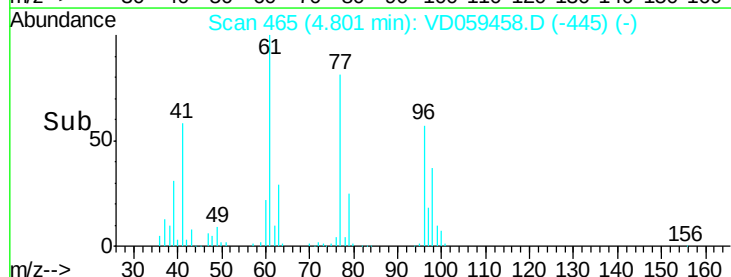
100000

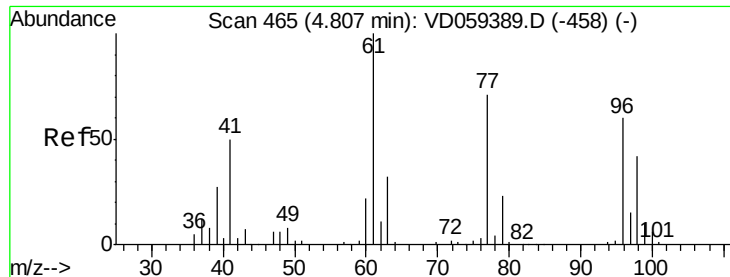
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->



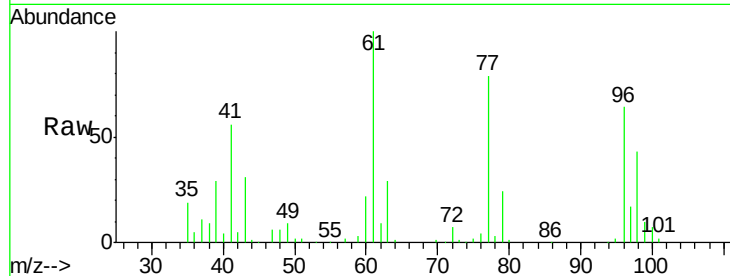


#27

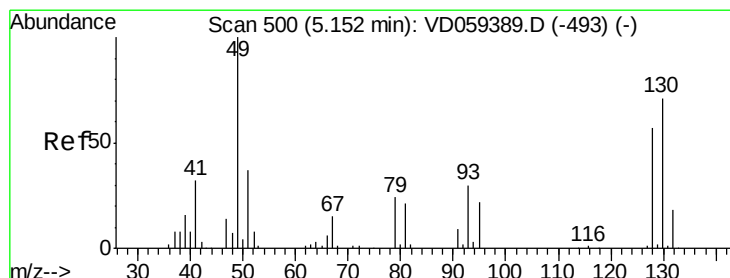
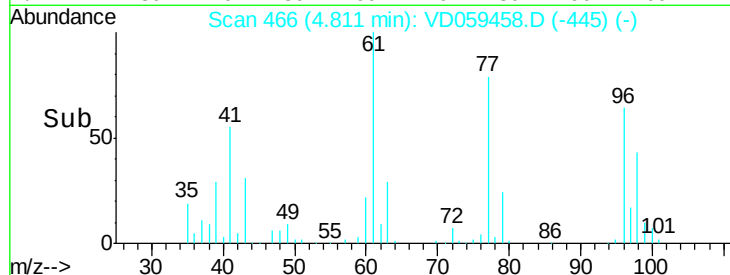
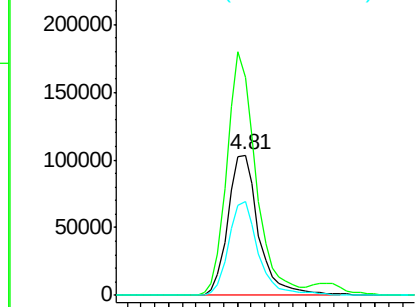
cis-1,2-Dichloroethene
Concen: 51.085 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	320910
Ion	Ratio	Lower	Upper
96	100		
61	155.8	0.0	335.8
98	67.0	0.0	141.0



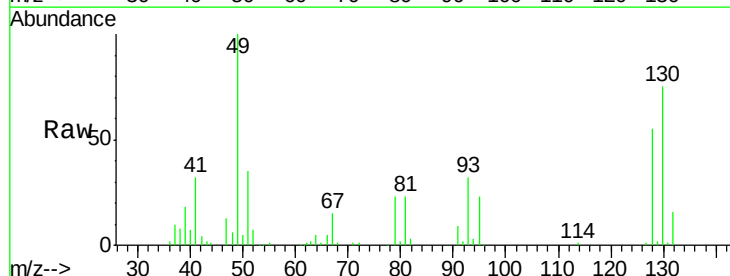
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



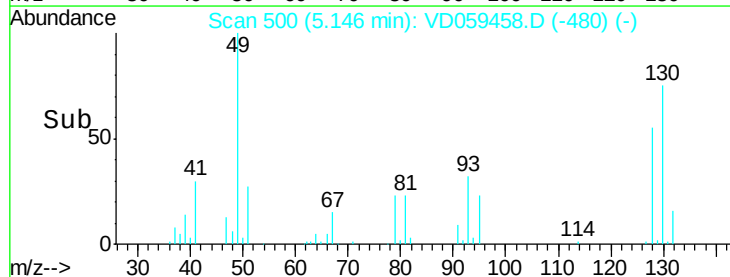
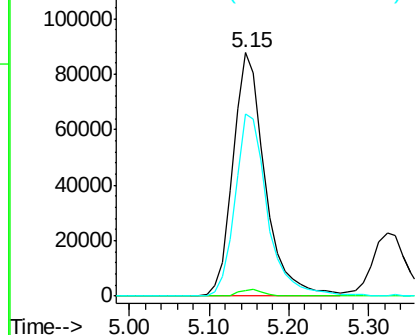
#28

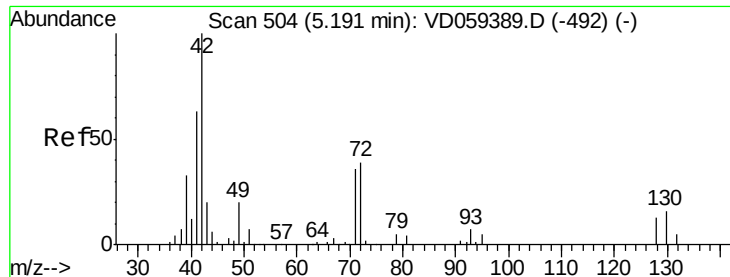
Bromochloromethane
Concen: 54.684 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion	49	Resp	247003
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	74.7	57.0	85.6



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

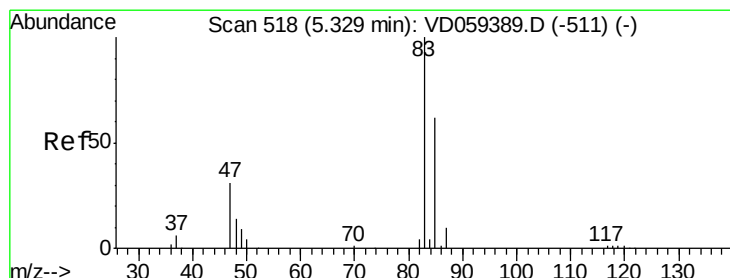
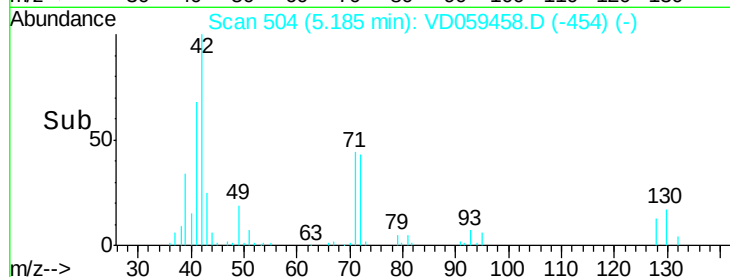
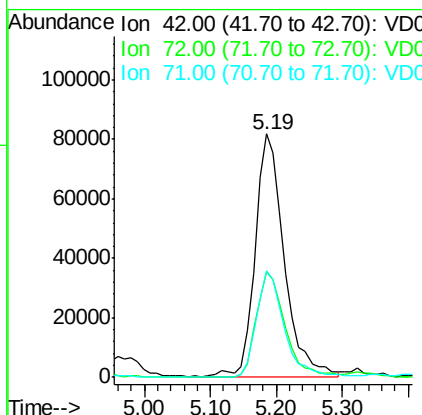
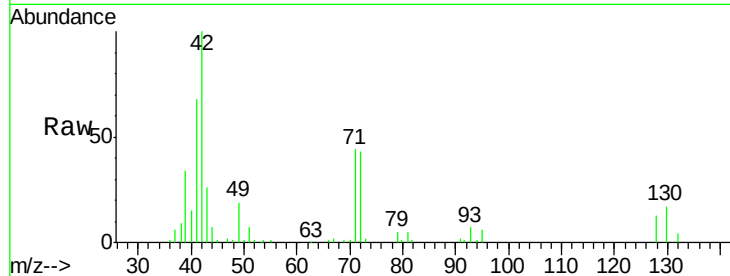




#29
Tetrahydrofuran
Concen: 268.471 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

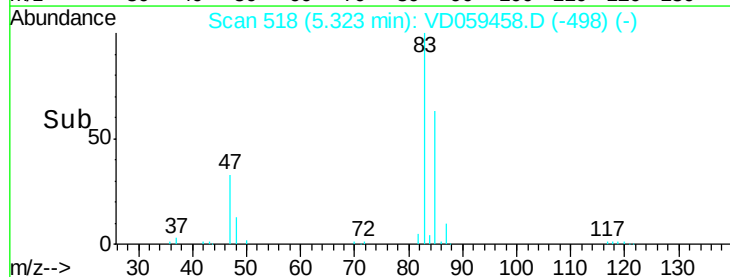
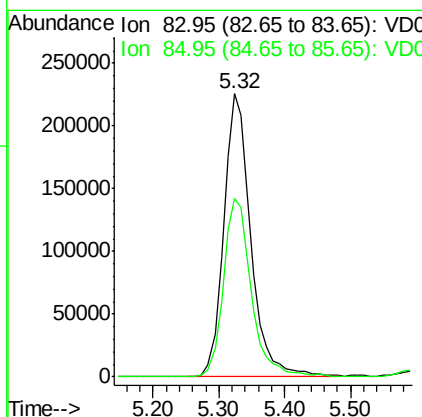
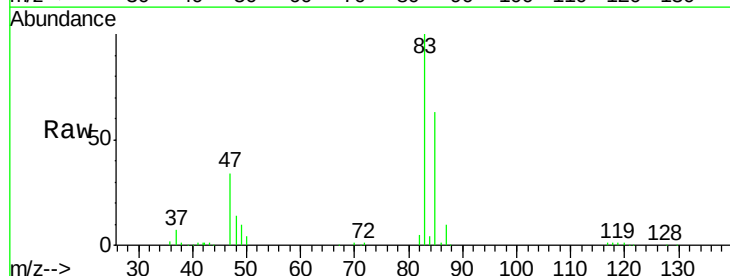
Instrument :
MSVOA_D
ClientSampled :

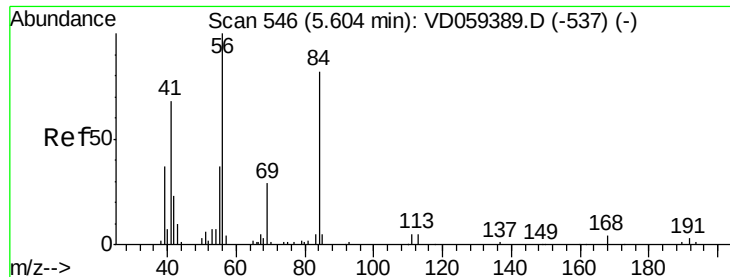
Tot Ion: 42 Resp: 254758
Ion Ratio Lower Upper
42 100
72 42.7 31.4 47.2
71 41.9 29.7 44.5



#30
Chloroform
Concen: 56.984 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 83 Resp: 647105
Ion Ratio Lower Upper
83 100
85 63.3 49.3 73.9

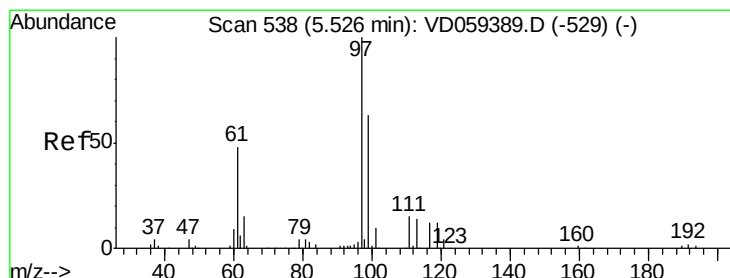
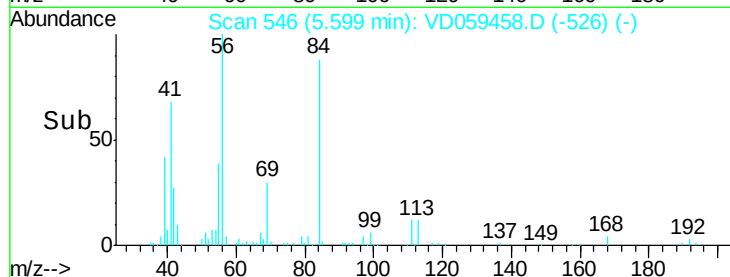
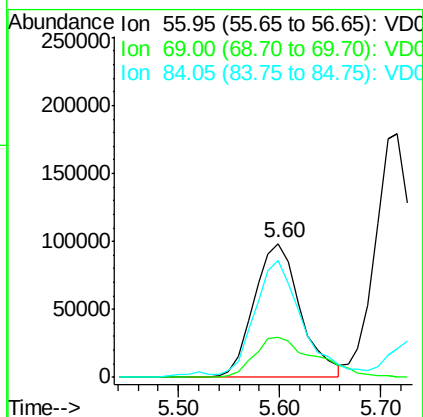
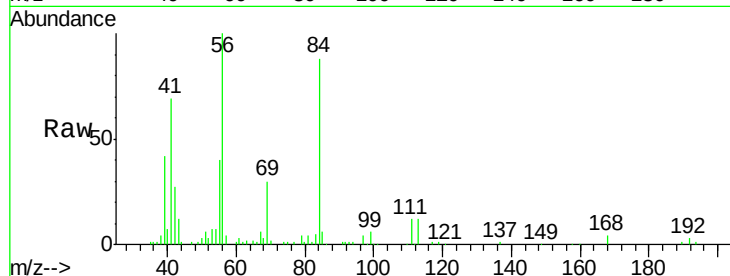




#31
Cyclohexane
Concen: 45.385 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

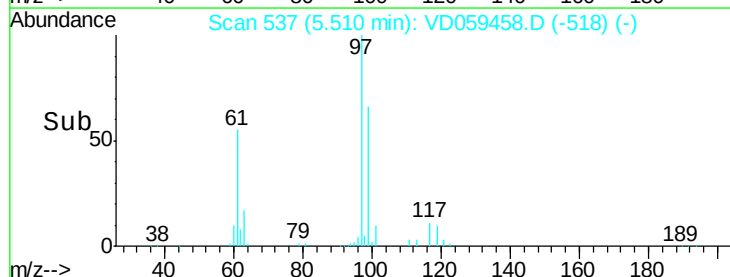
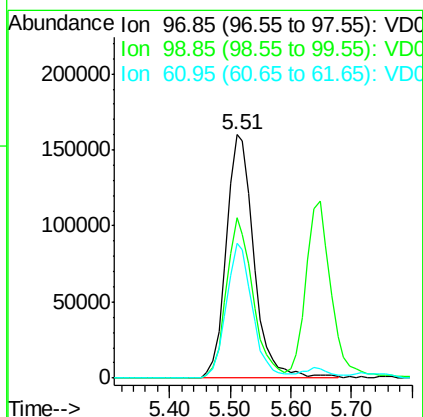
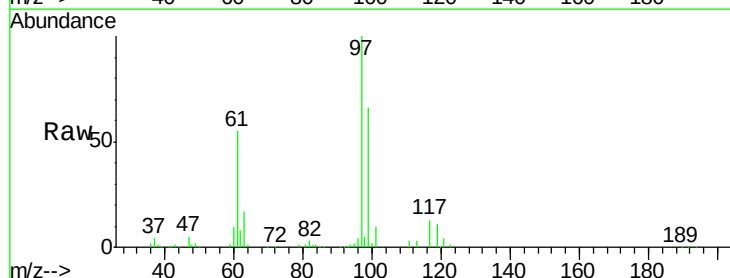
Instrument :
MSVOA_D
ClientSampled :

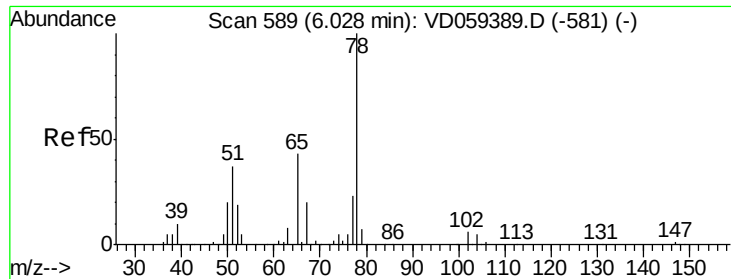
Tot Ion: 56 Resp: 314504
Ion Ratio Lower Upper
56 100
69 30.1 22.9 34.3
84 87.7 67.3 100.9



#32
1,1,1-Trichloroethane
Concen: 55.199 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 97 Resp: 507594
Ion Ratio Lower Upper
97 100
99 65.8 50.2 75.4
61 55.4 38.6 57.8

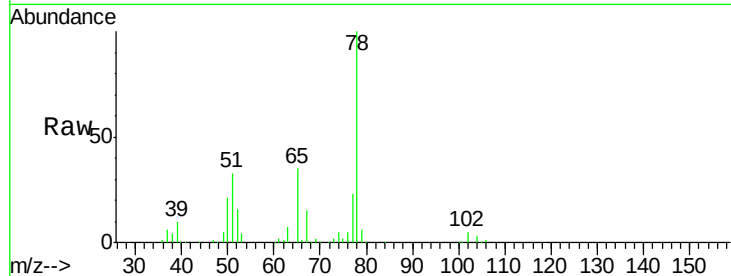




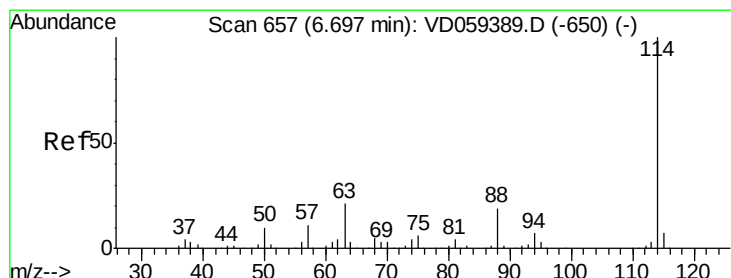
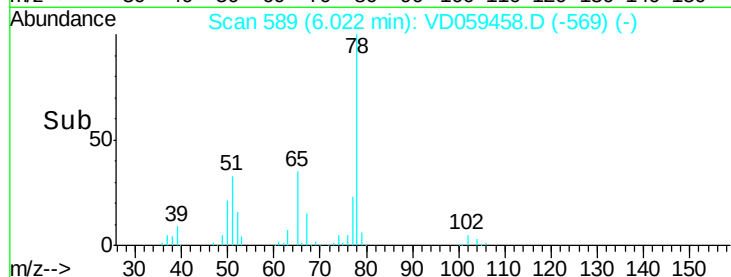
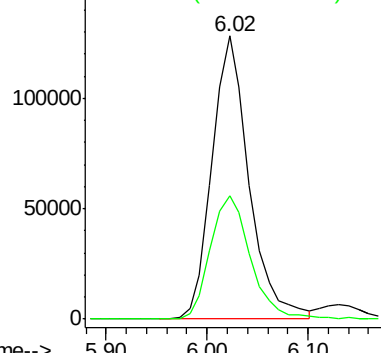
#33
 1,2-Dichloroethane-d4
 Concen: 55.199 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 328493
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 93.8

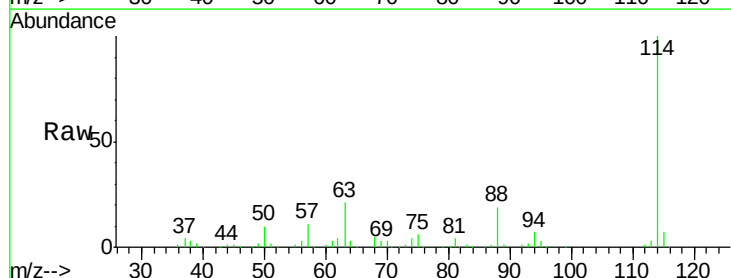


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

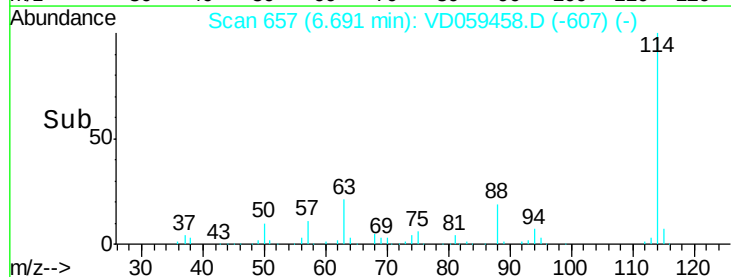
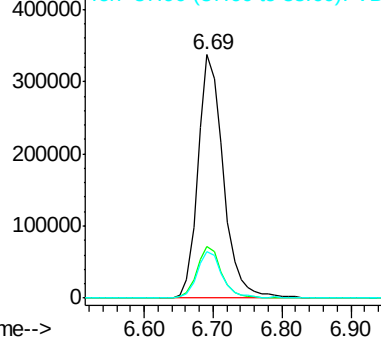


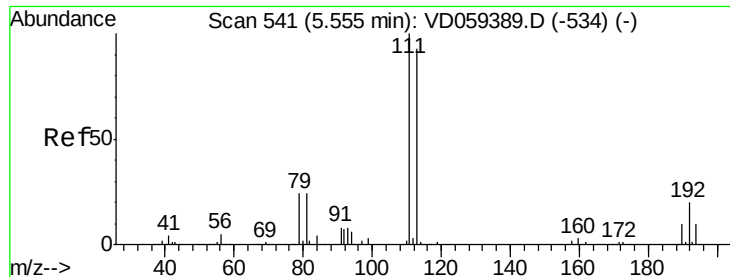
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion: 114 Resp: 856211
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 19.0 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

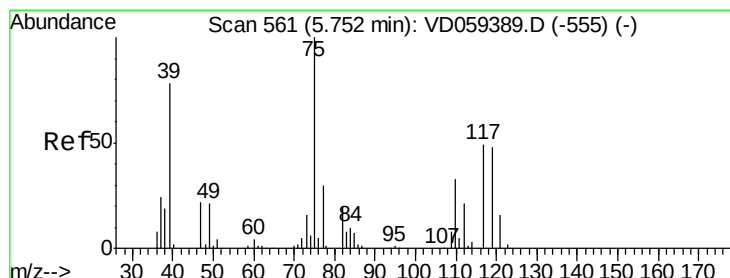
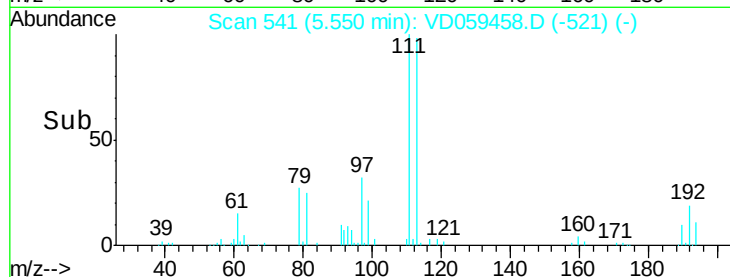
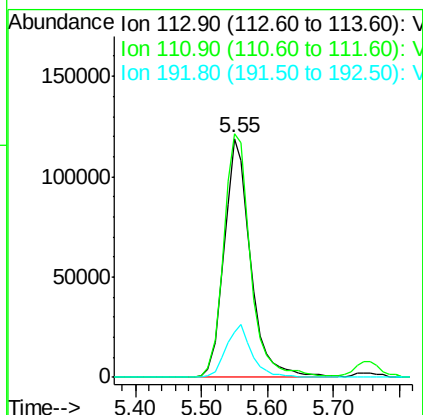
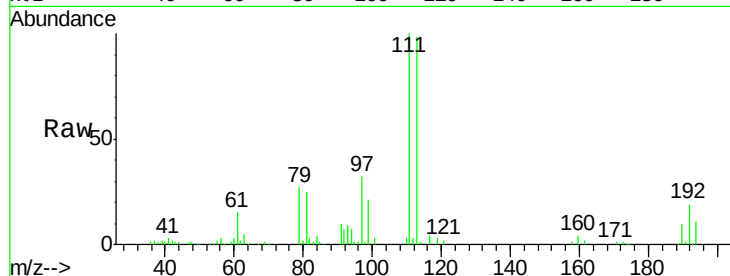




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

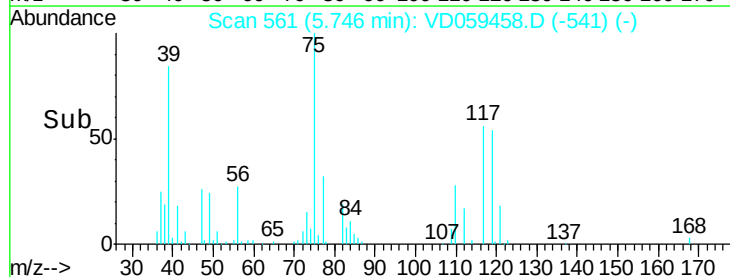
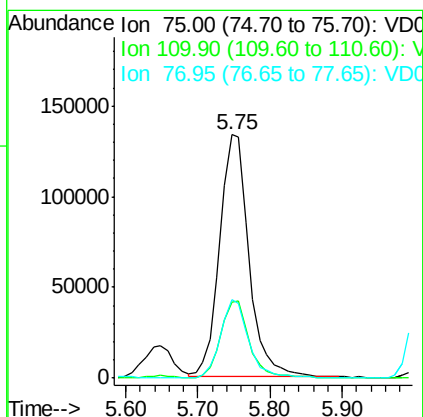
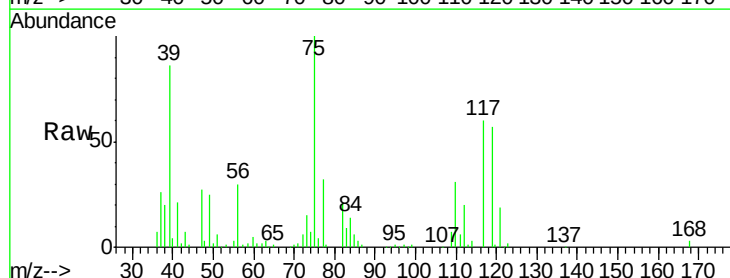
Instrument :
 MSVOA_D
 ClientSampled :

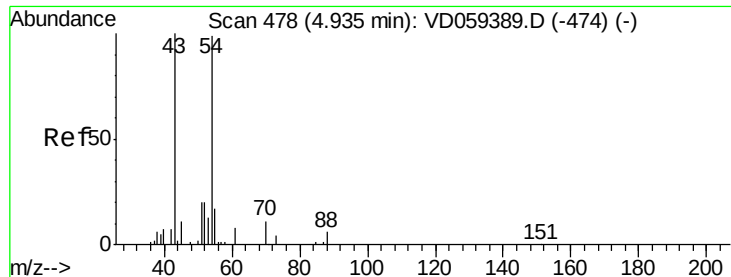
Tot Ion:113 Resp: 334069
 Ion Ratio Lower Upper
 113 100
 111 101.8 85.7 128.5
 192 19.0 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 48.474 ug/l
 RT: 5.75 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion: 75 Resp: 376502
 Ion Ratio Lower Upper
 75 100
 110 30.9 16.1 48.2
 77 32.1 23.4 35.2

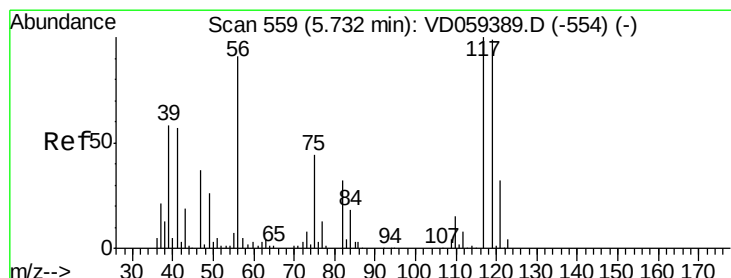
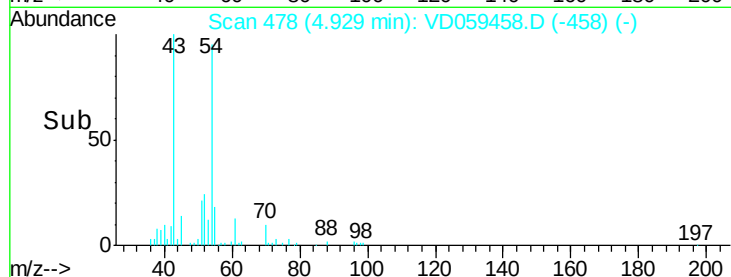
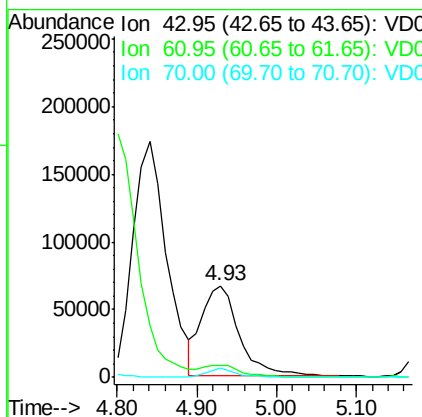
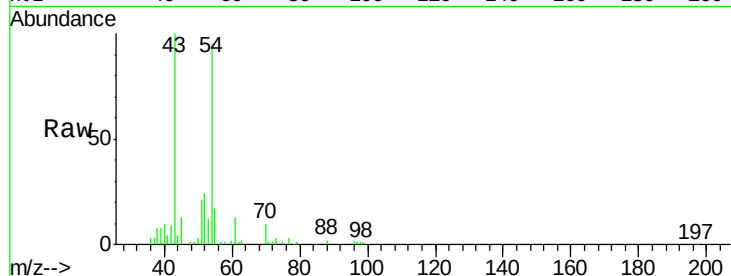




#37
Ethyl Acetate
Concen: 46.402 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

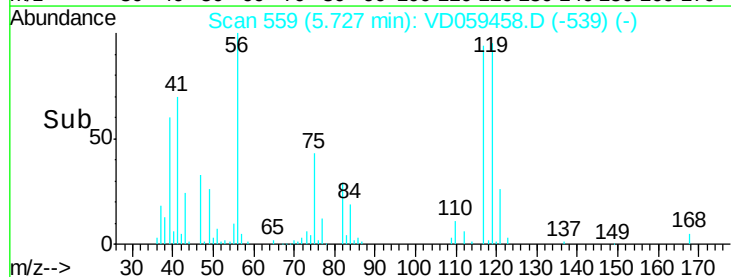
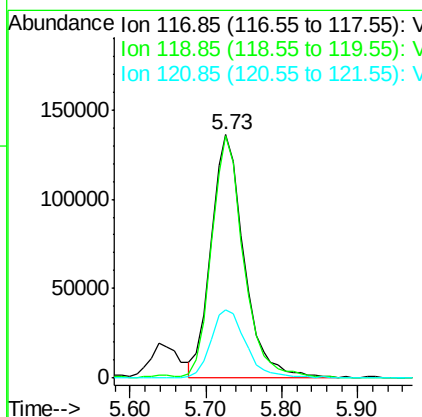
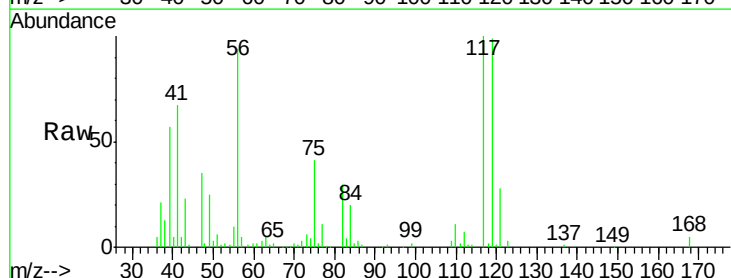
Instrument :
MSVOA_D
ClientSampled :

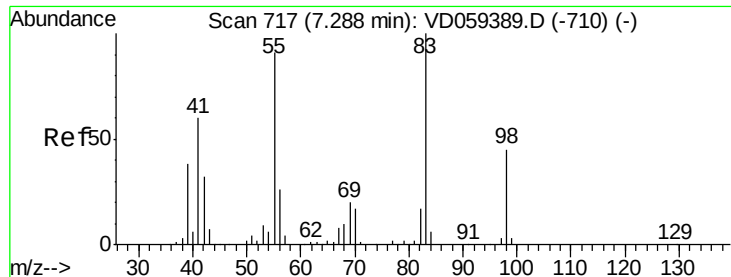
Tot Ion: 43 Resp: 219486
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.8
70 10.2 6.1 9.1#



#38
Carbon Tetrachloride
Concen: 51.019 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 117 Resp: 408560
Ion Ratio Lower Upper
117 100
119 99.5 76.6 115.0
121 28.3 25.0 37.4

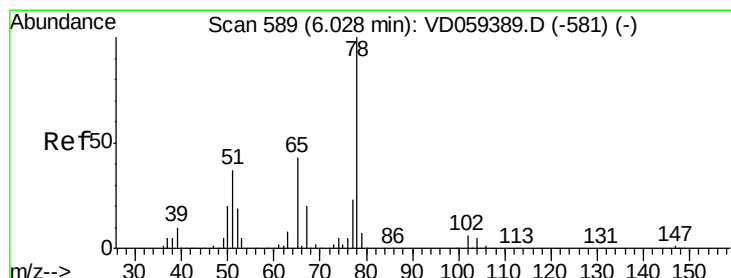
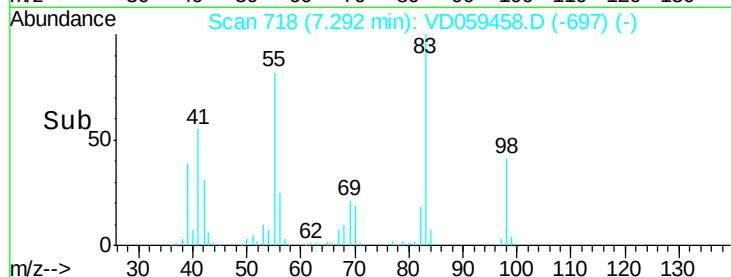
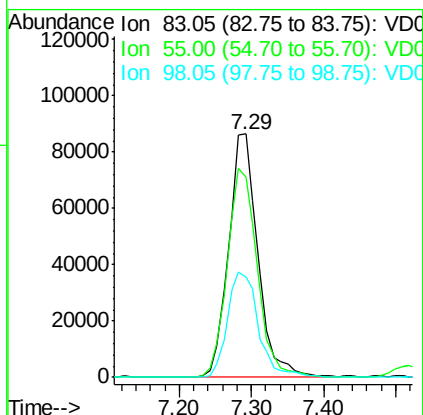
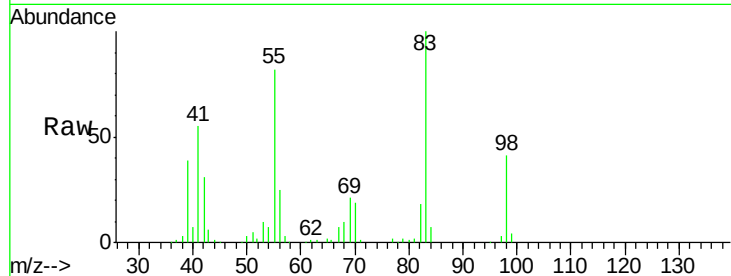




#39
Methylvlcyclohexane
Concen: 33.247 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

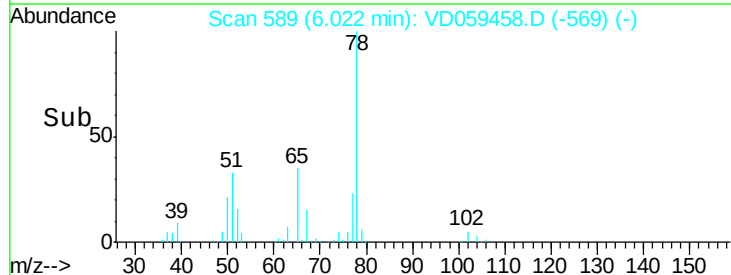
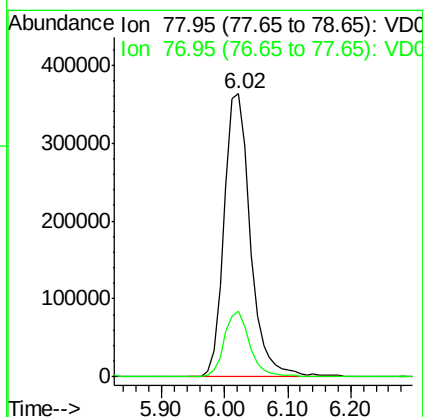
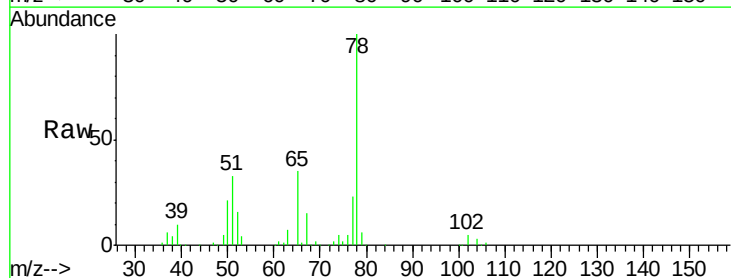
Instrument :
MSVOA_D
ClientSampleId :

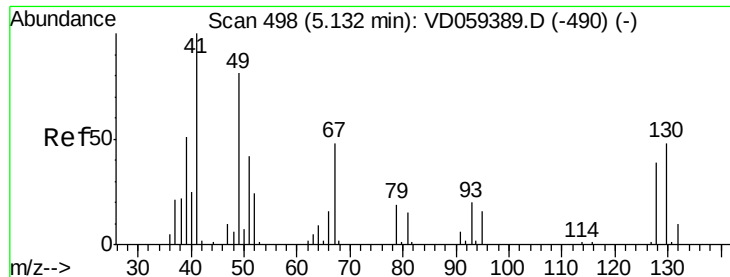
Tot Ion: 83 Resp: 244920
Ion Ratio Lower Upper
83 100
55 82.2 72.6 109.0
98 41.4 35.8 53.6



#40
Benzene
Concen: 56.444 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 78 Resp: 1052061
Ion Ratio Lower Upper
78 100
77 23.1 18.1 27.1





#41

Methacrylonitrile

Concen: 53.260 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 121340

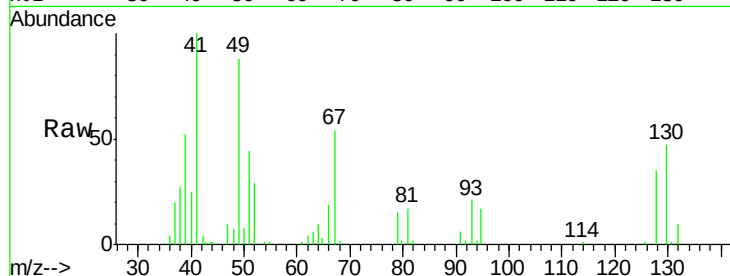
Ion Ratio Lower Upper

41 100

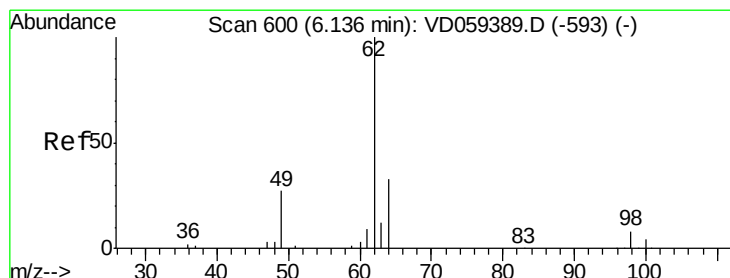
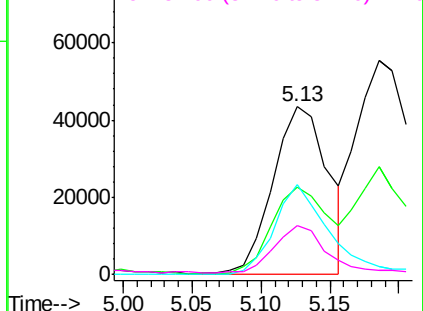
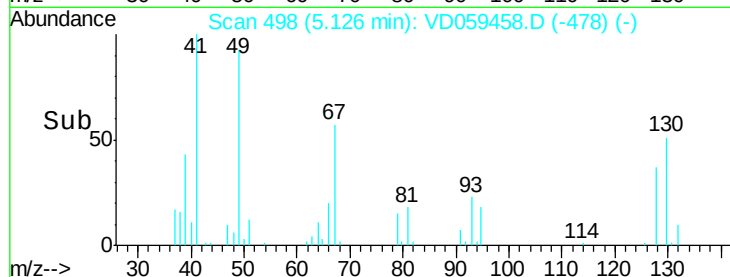
39 52.0 41.5 62.3

67 53.8 38.7 58.1

52 28.9 19.4 29.2



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: 54.266 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059458.D

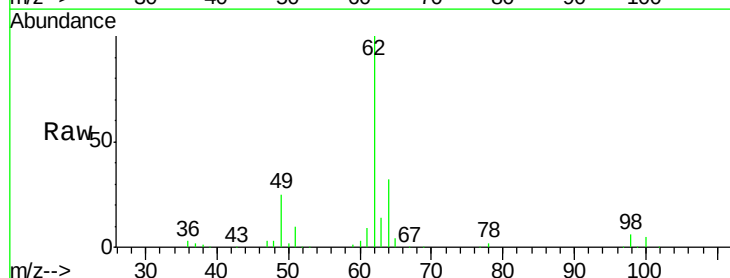
Acq: 27 Jun 2018 21:37

Tgt Ion: 62 Resp: 446915

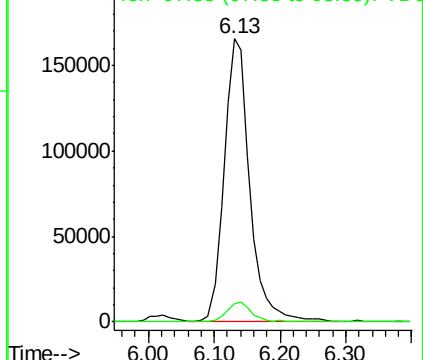
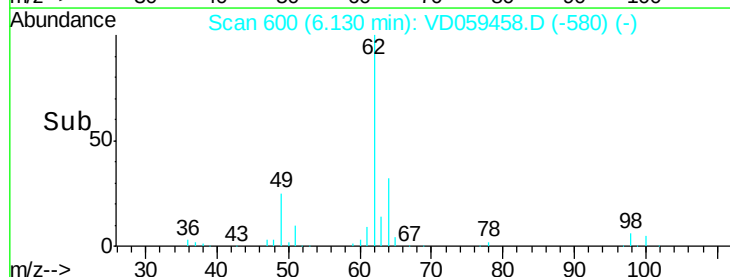
Ion Ratio Lower Upper

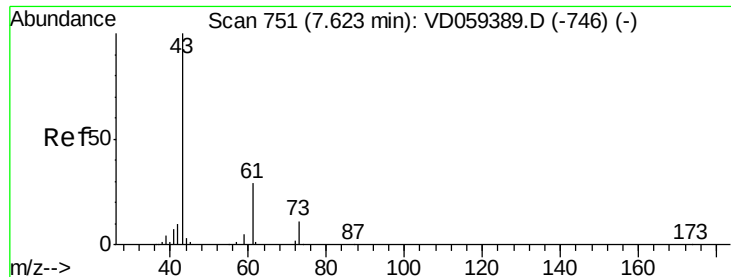
62 100

98 6.4 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 43.369 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

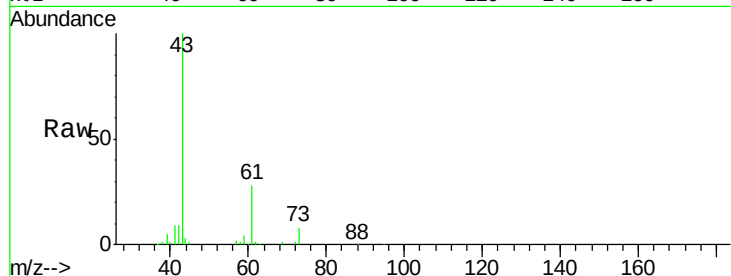
Tot Ion: 43 Resp: 257617

Ion Ratio Lower Upper

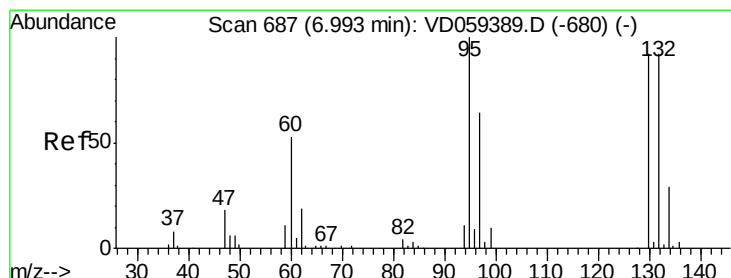
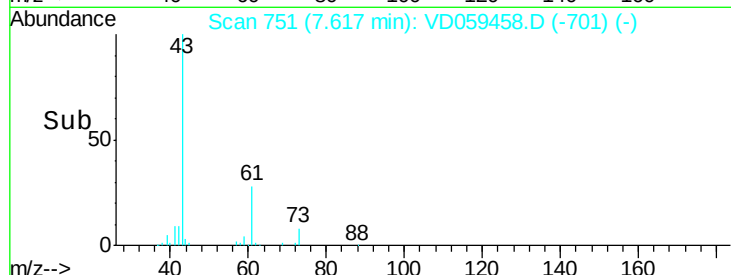
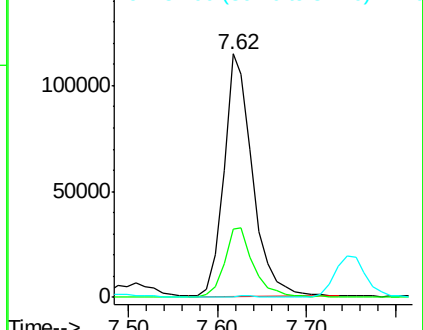
43 100

61 28.0 23.1 34.7

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: 51.474 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.01 min

Lab File: VD059458.D

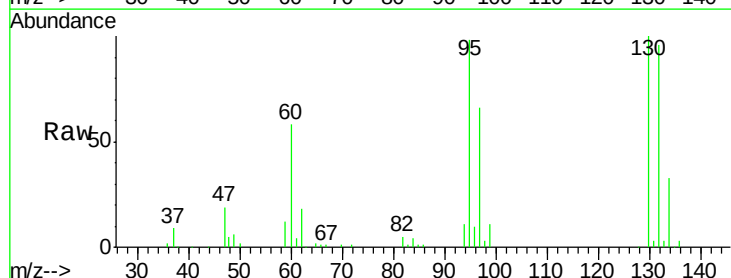
Acq: 27 Jun 2018 21:37

Tgt Ion:130 Resp: 314138

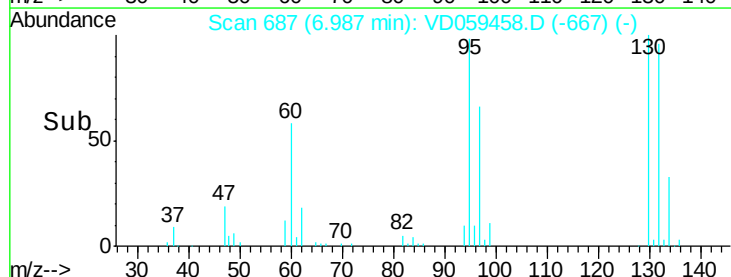
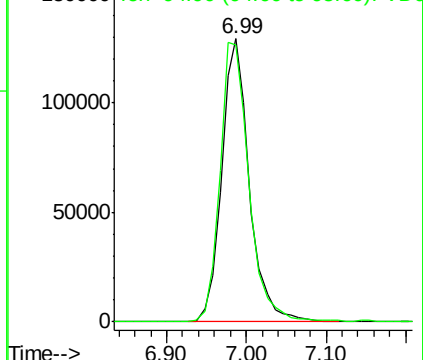
Ion Ratio Lower Upper

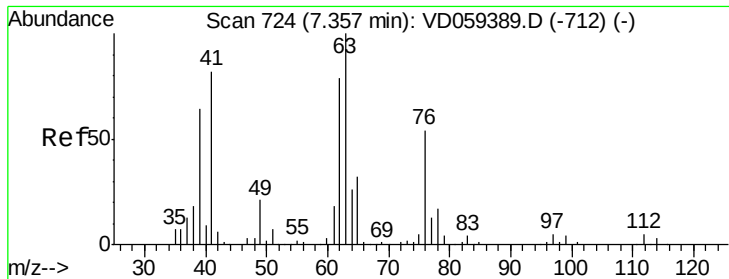
130 100

95 97.8 0.0 216.4



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





#45

1,2-Dichloropropane

Concen: 56.019 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

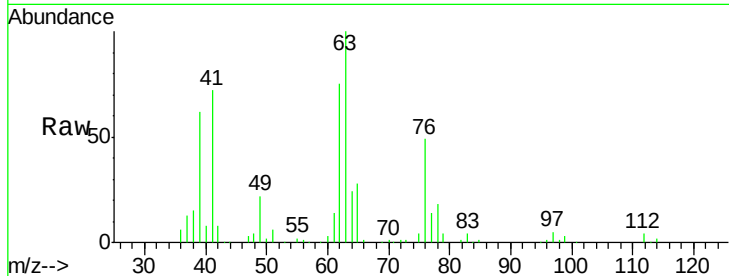
ClientSampleId :

Tot Ion: 63 Resp: 289189

Ion Ratio Lower Upper

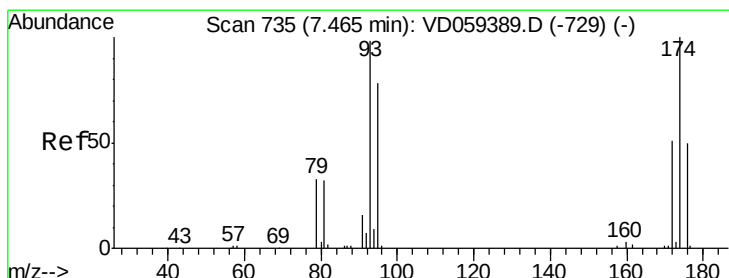
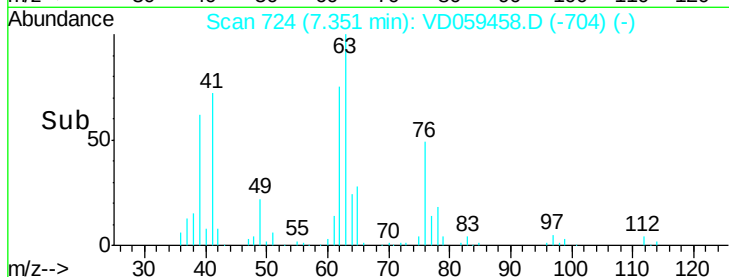
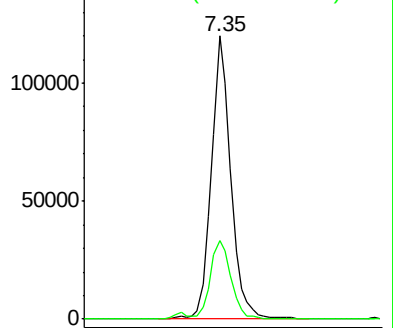
63 100

65 28.0 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.383 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

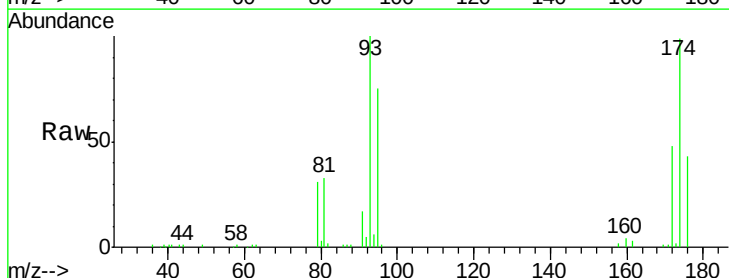
Tgt Ion: 93 Resp: 198189

Ion Ratio Lower Upper

93 100

95 75.1 63.4 95.0

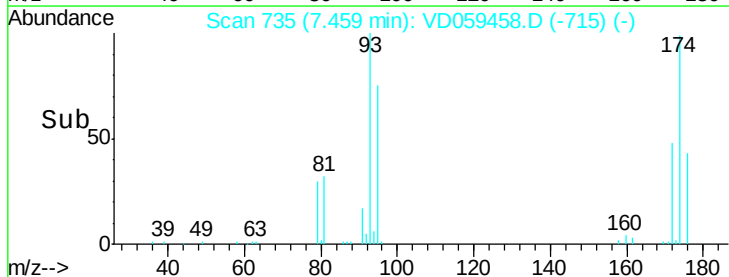
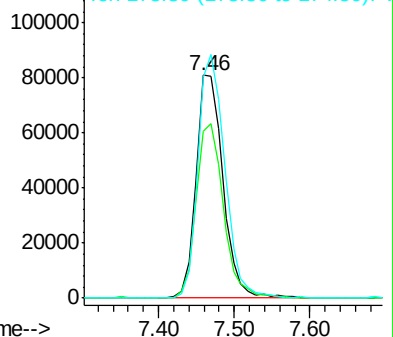
174 98.8 81.4 122.2

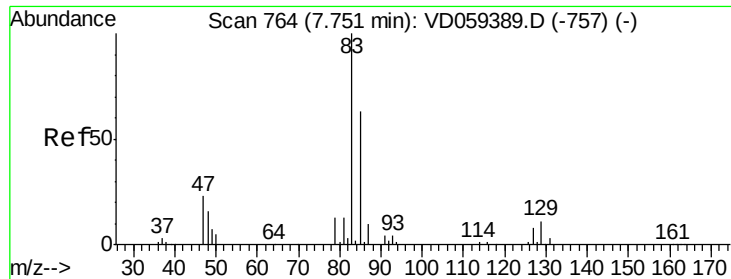


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.787 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

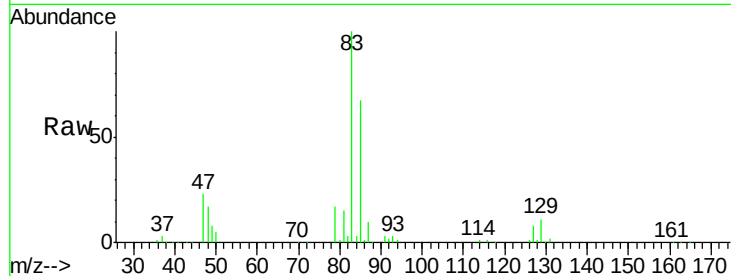
Tot Ion: 83 Resp: 463435

Ion Ratio Lower Upper

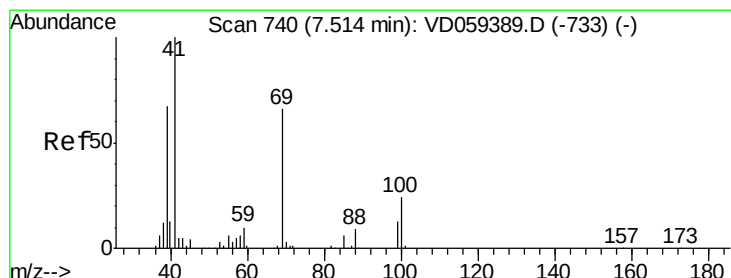
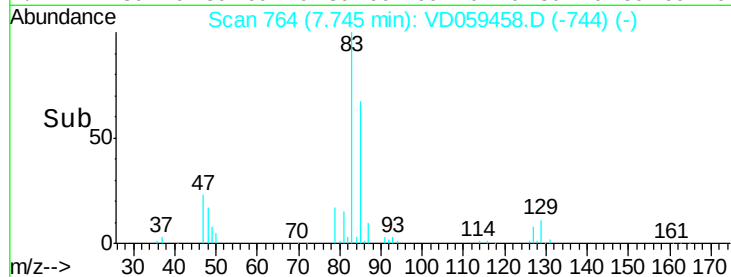
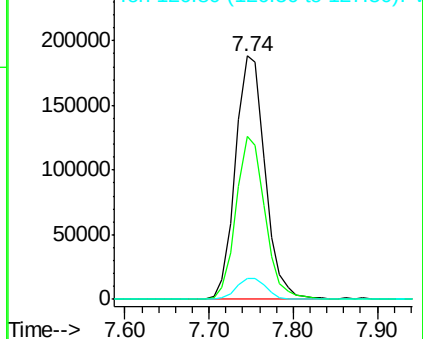
83 100

85 66.7 50.1 75.1

127 8.4 6.1 9.1



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: 52.780 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

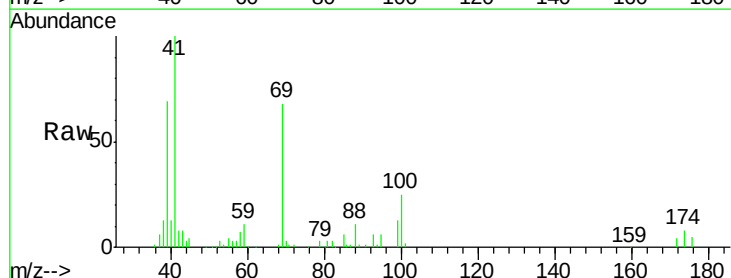
Tgt Ion: 41 Resp: 191010

Ion Ratio Lower Upper

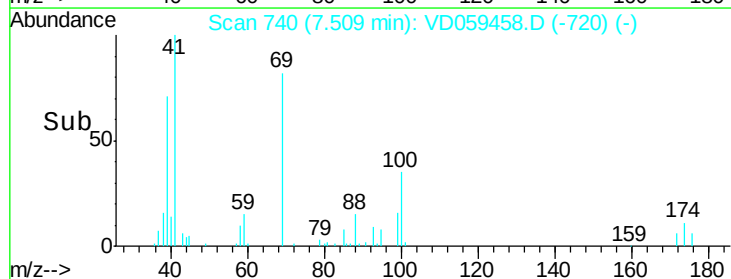
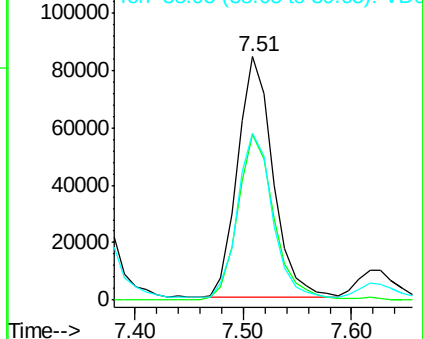
41 100

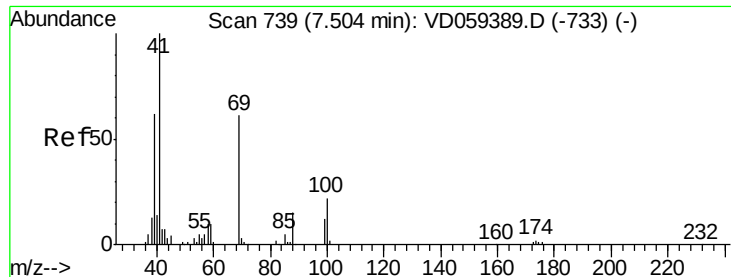
69 68.0 52.6 79.0

39 68.7 53.6 80.4



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: 1101.396 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

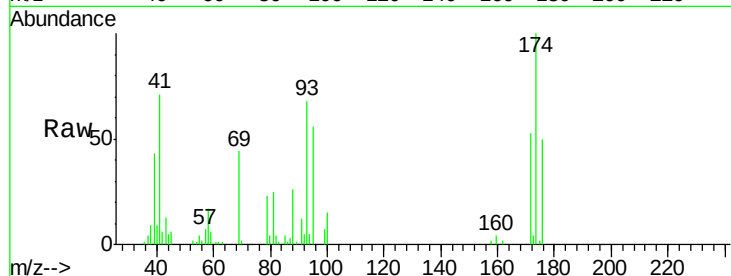
Tot Ion: 88 Resp: 39975

Ion Ratio Lower Upper

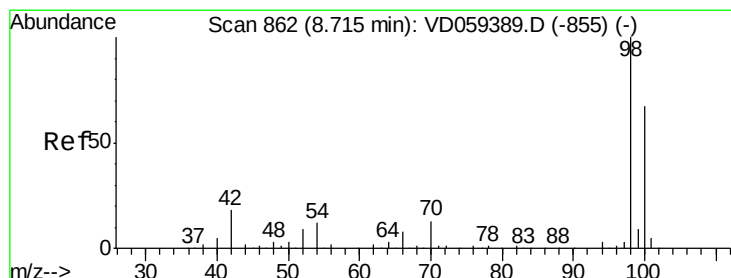
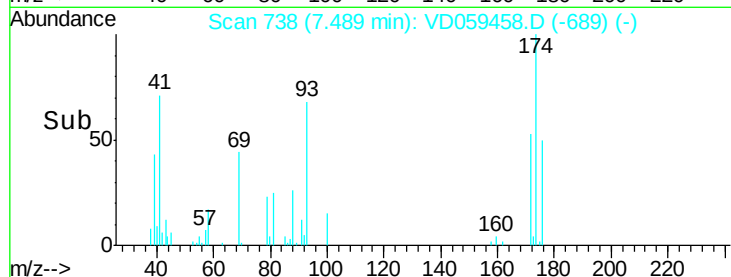
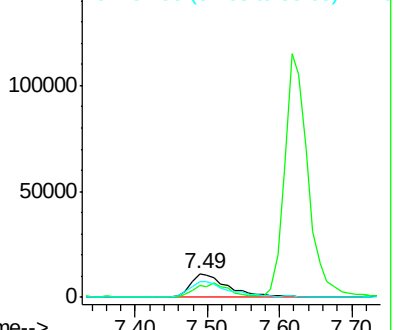
88 100

43 49.6 41.0 61.4

58 66.0 53.4 80.0



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: 1101.396 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD059458.D

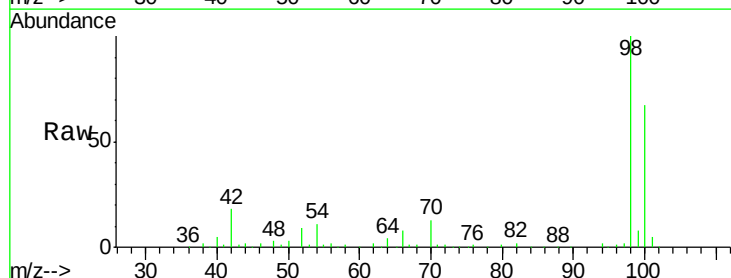
Acq: 27 Jun 2018 21:37

Tgt Ion: 98 Resp: 715319

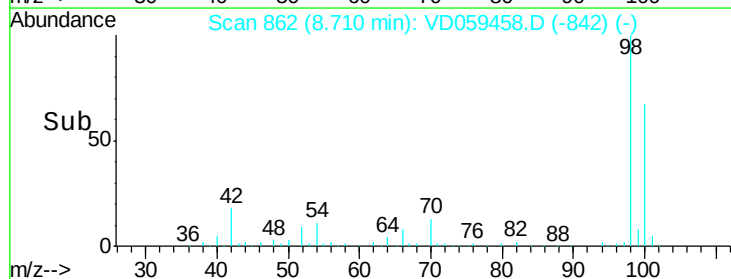
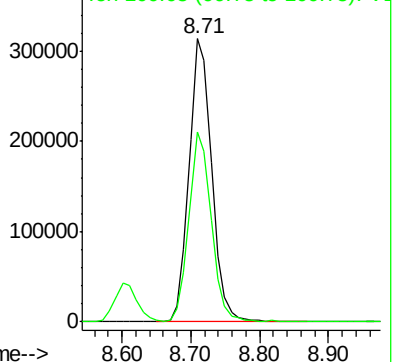
Ion Ratio Lower Upper

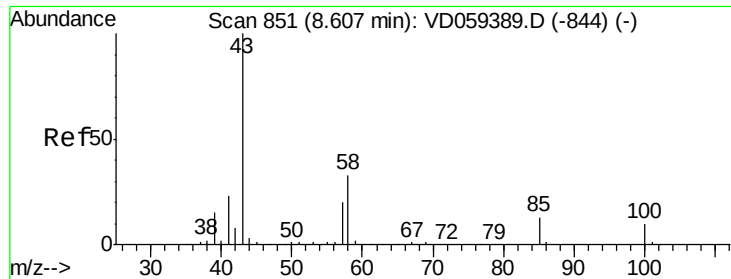
98 100

100 67.0 54.4 81.6



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: 268.458 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

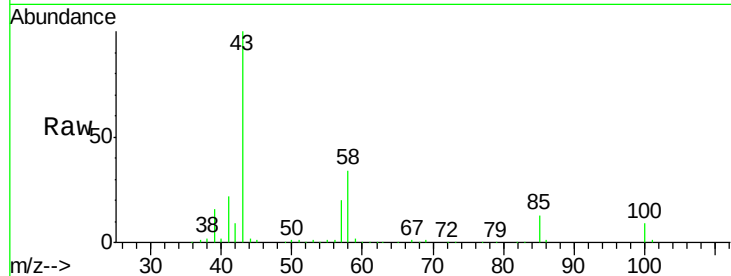
ClientSampled :

Tot Ion: 43 Resp: 1062638

Ion Ratio Lower Upper

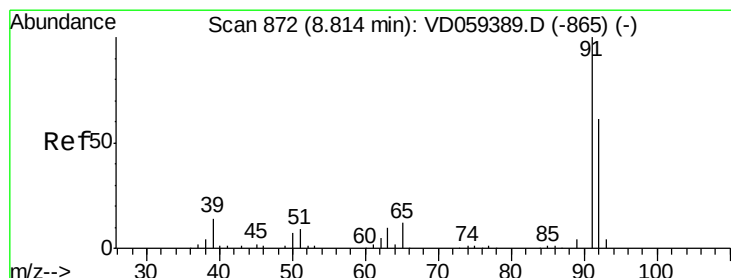
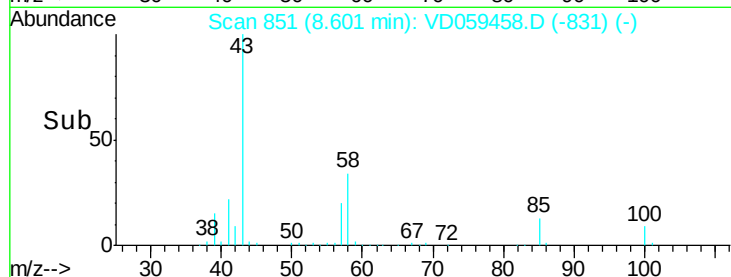
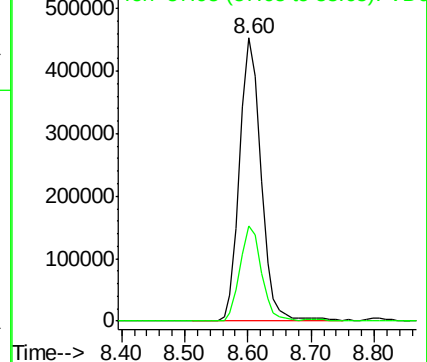
43 100

58 33.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.632 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.01 min

Lab File: VD059458.D

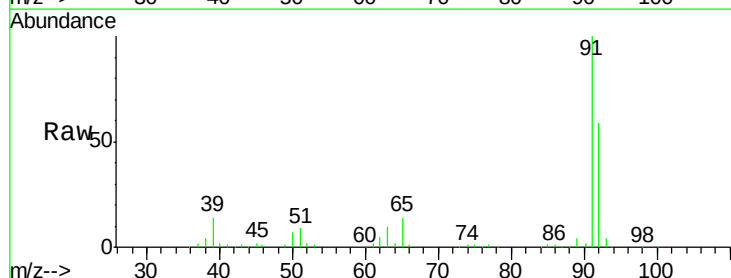
Acq: 27 Jun 2018 21:37

Tgt Ion: 92 Resp: 530233

Ion Ratio Lower Upper

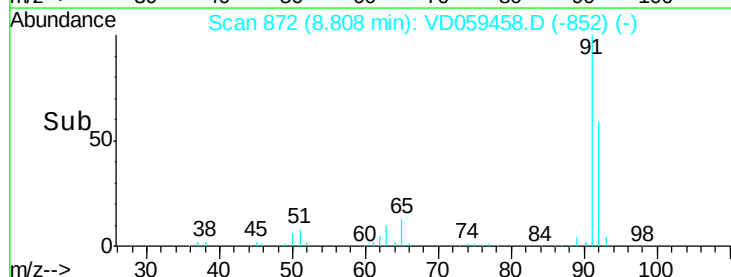
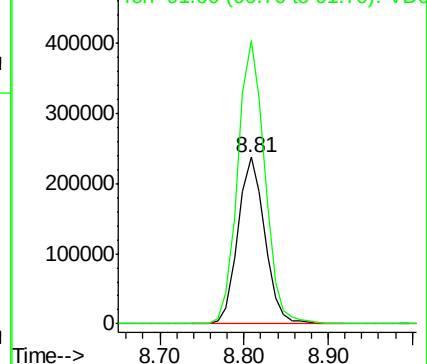
92 100

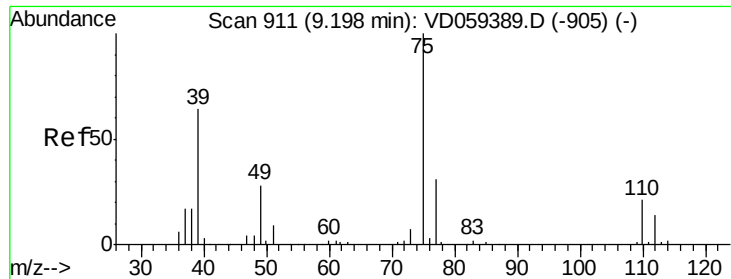
91 170.2 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

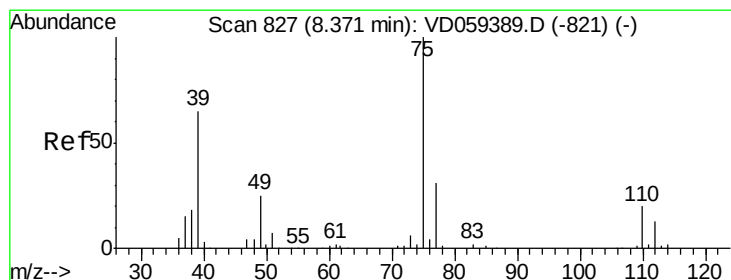
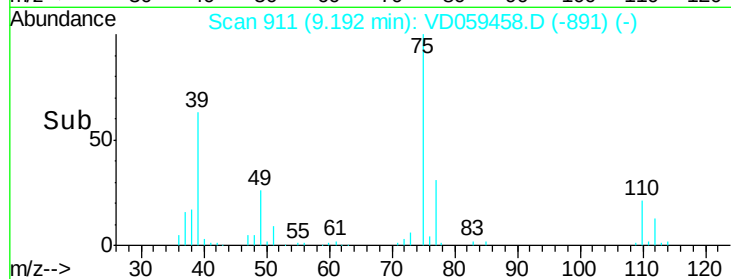
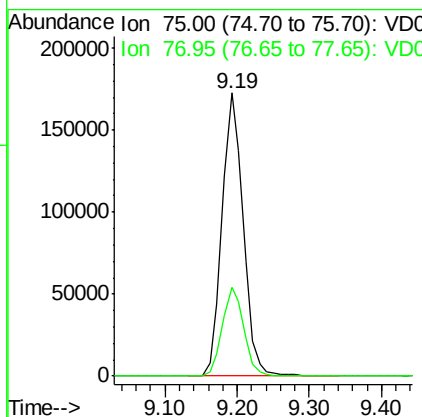
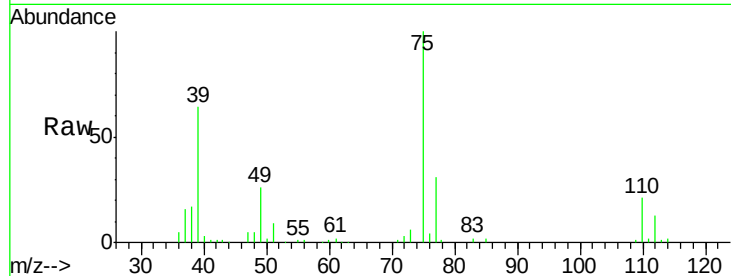




#53
 t-1,3-Dichloropropene
 Concen: 50.539 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

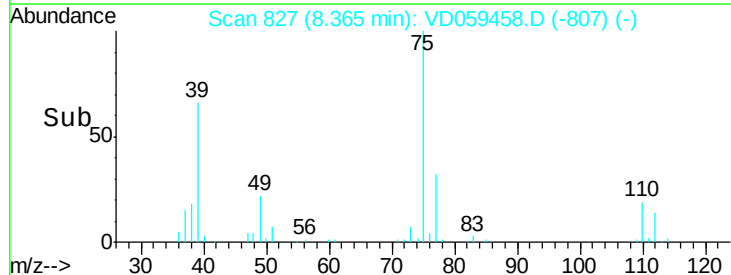
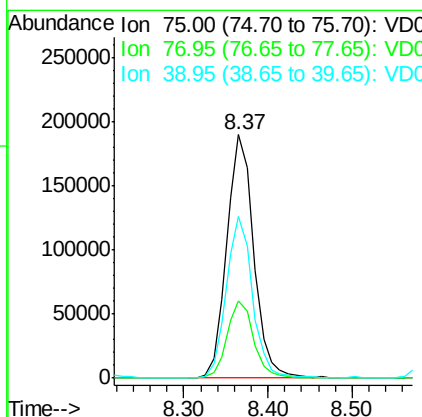
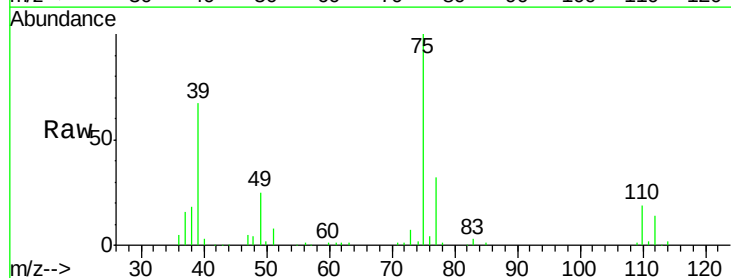
Instrument :
 MSVOA_D
 ClientSampleId :

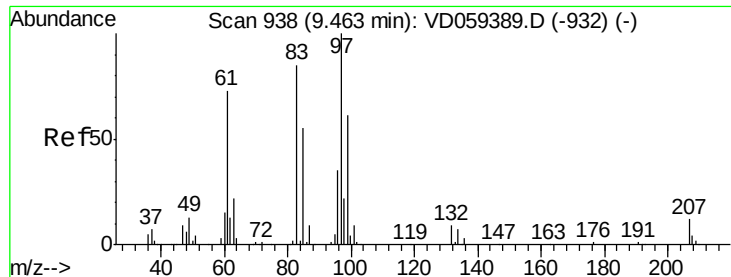
Tot Ion: 75 Resp: 350837
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.428 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion: 75 Resp: 421408
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.7 37.1
 39 66.6 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 55.246 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 223275

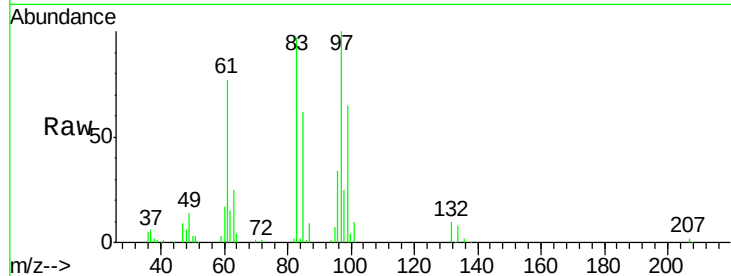
Ion Ratio Lower Upper

97 100

83 96.5 67.7 101.5

85 62.3 44.3 66.5

99 65.3 48.6 73.0

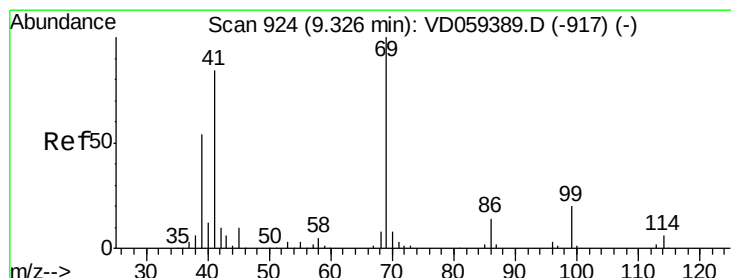
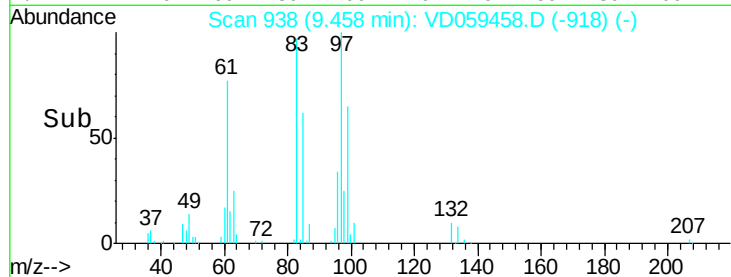
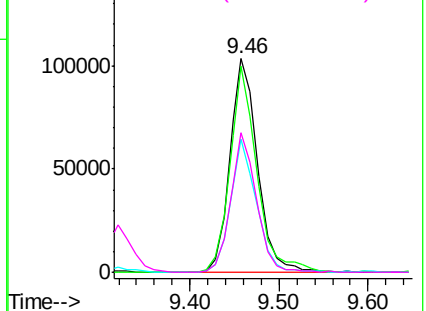


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 55.111 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

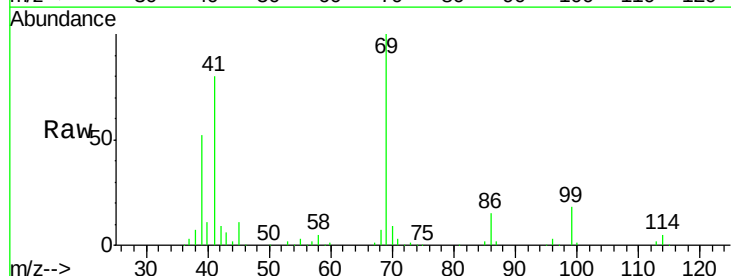
Tgt Ion: 69 Resp: 254157

Ion Ratio Lower Upper

69 100

41 80.3 67.4 101.0

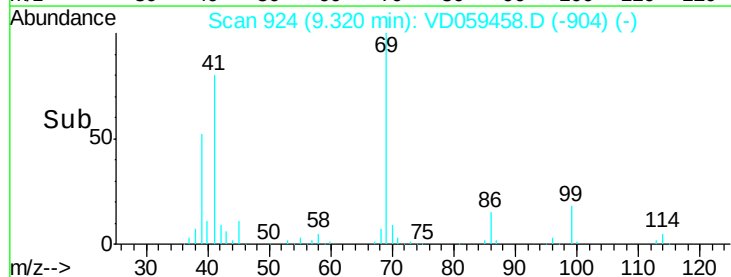
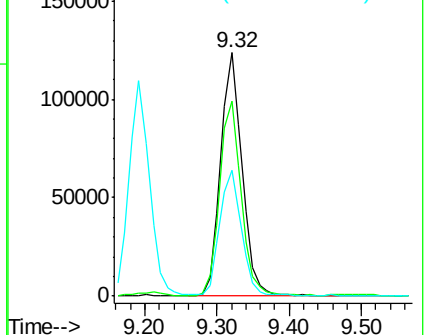
39 51.6 43.7 65.5

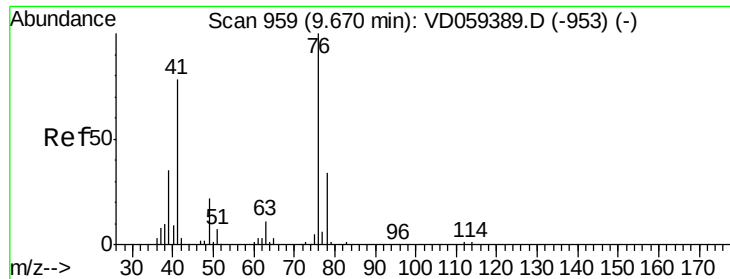


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.793 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

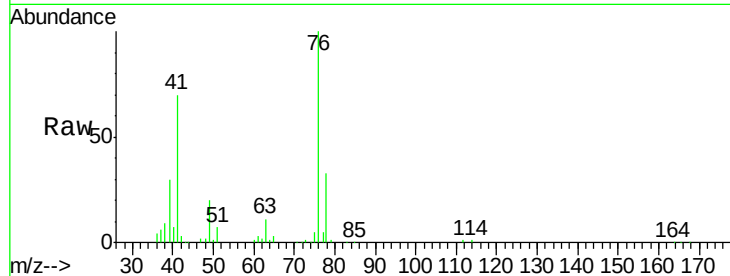
ClientSampleId :

Tot Ion: 76 Resp: 368787

Ion Ratio Lower Upper

76 100

78 32.8 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

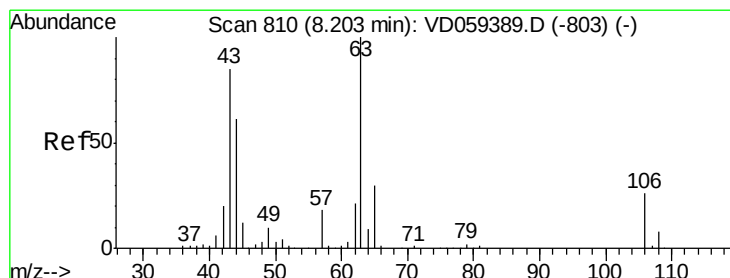
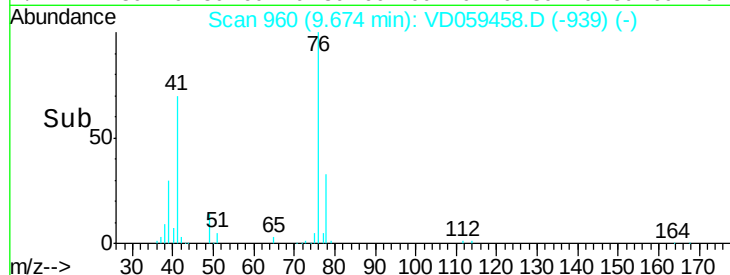
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 276.364 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.01 min

Lab File: VD059458.D

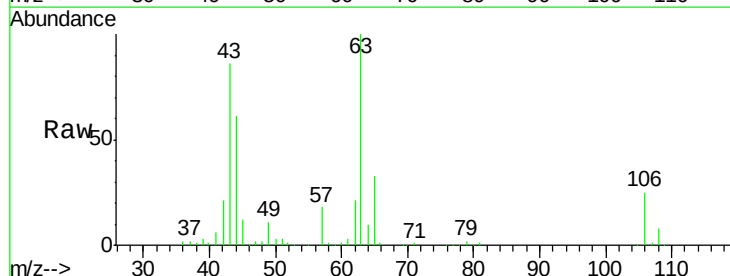
Acq: 27 Jun 2018 21:37

Tgt Ion: 63 Resp: 656116

Ion Ratio Lower Upper

63 100

106 25.0 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.20

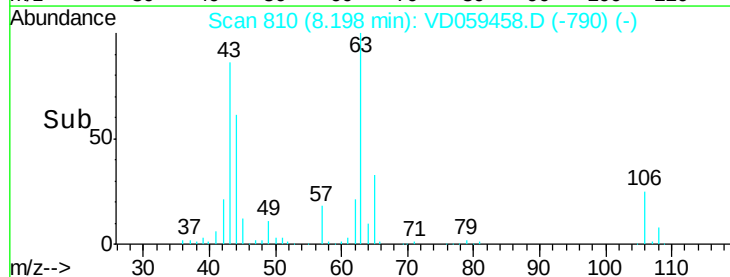
300000

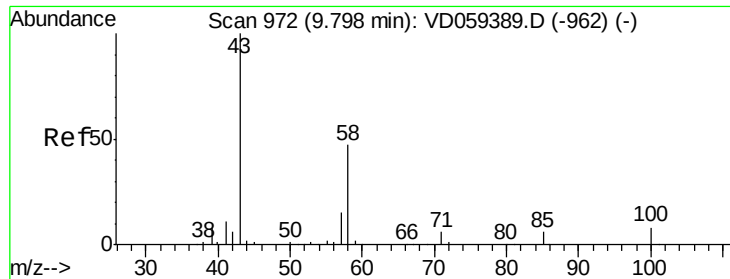
200000

100000

0

Time-->

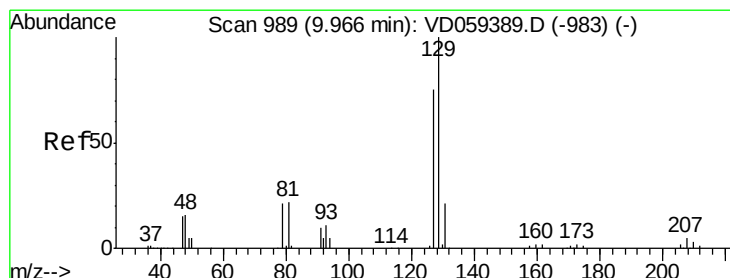
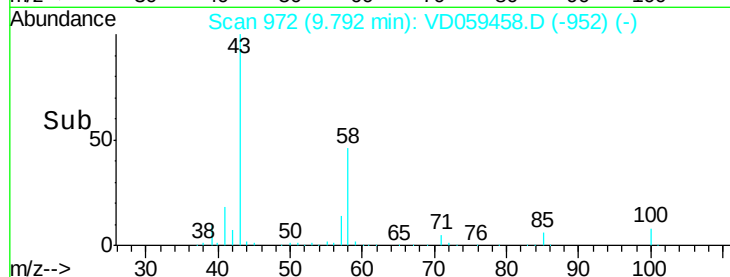
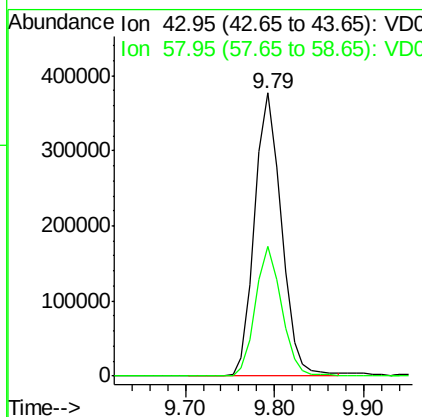
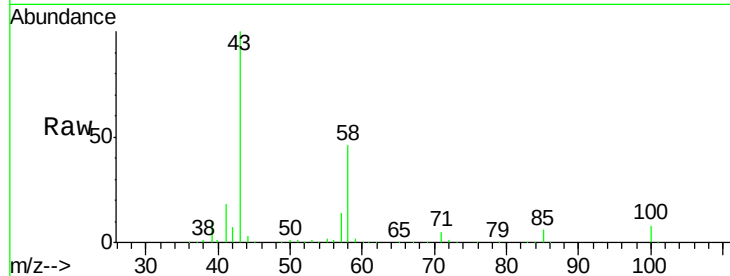




#59
2-Hexanone
Concen: 277.981 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

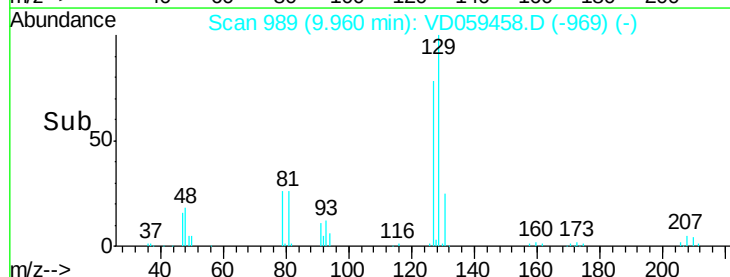
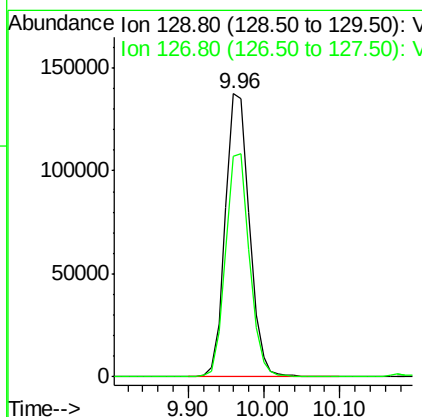
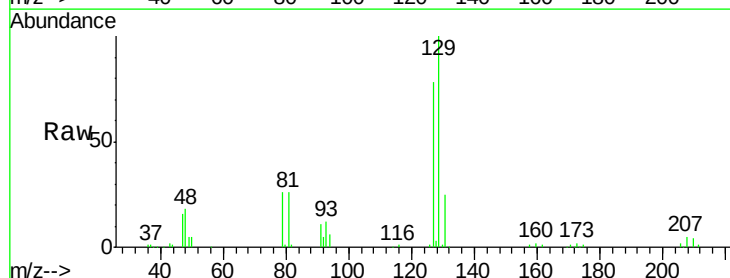
Instrument :
MSVOA_D
ClientSampled :

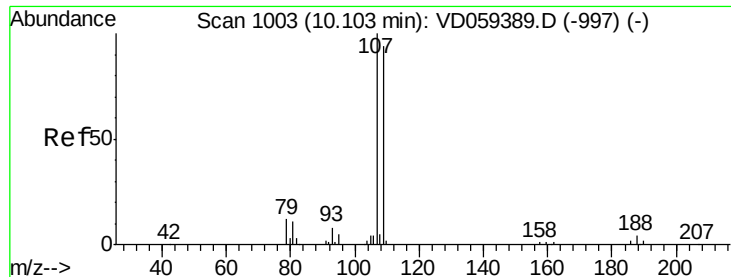
Tot Ion: 43 Resp: 782038
Ion Ratio Lower Upper
43 100
58 46.0 23.3 69.9



#60
Dibromochloromethane
Concen: 53.570 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion:129 Resp: 303181
Ion Ratio Lower Upper
129 100
127 77.8 37.3 111.8





#61

1,2-Dibromoethane

Concen: 49.941 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

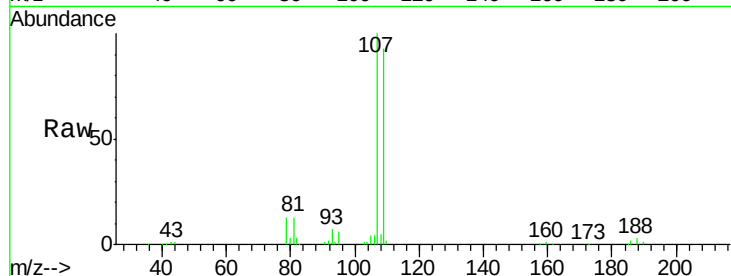
ClientSampleId :

Tot Ion:107 Resp: 224762

Ion Ratio Lower Upper

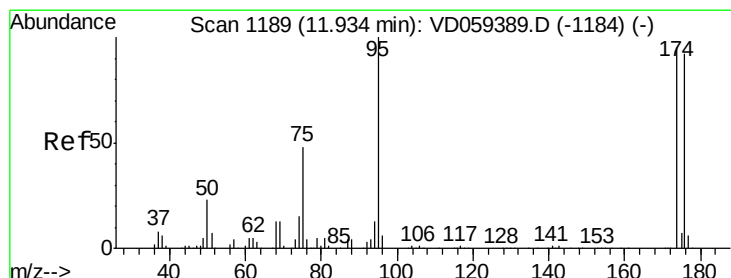
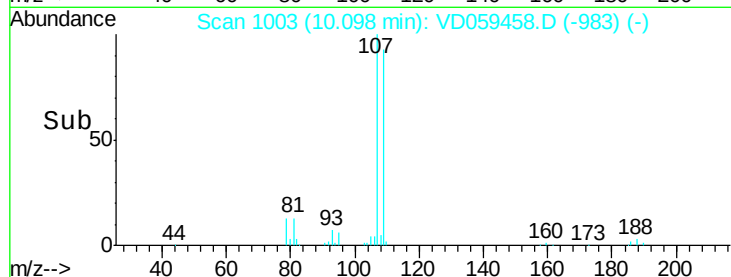
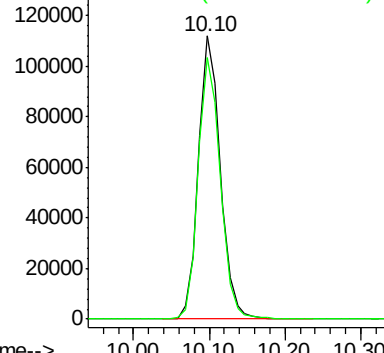
107 100

109 92.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.941 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

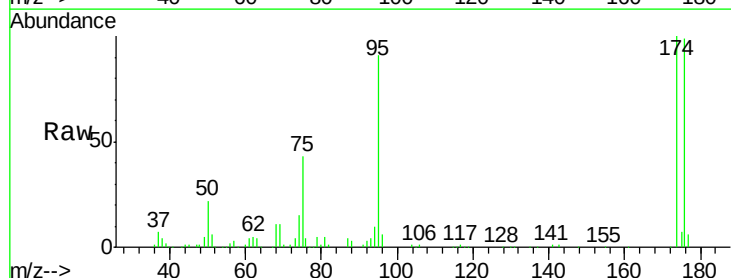
Tgt Ion: 95 Resp: 254847

Ion Ratio Lower Upper

95 100

174 109.6 0.0 190.4

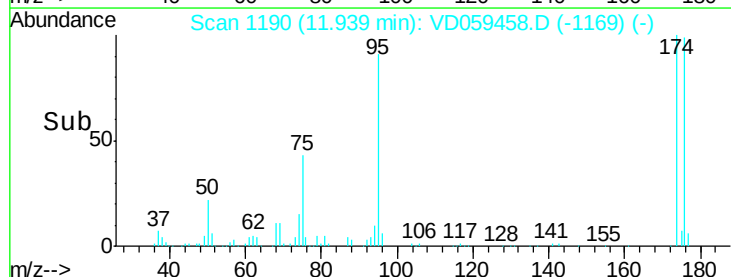
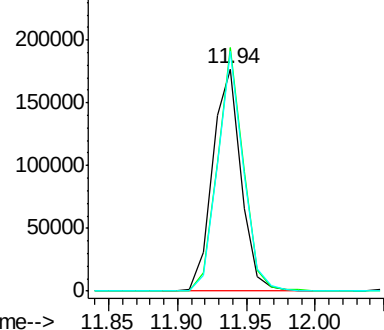
176 108.2 0.0 183.2

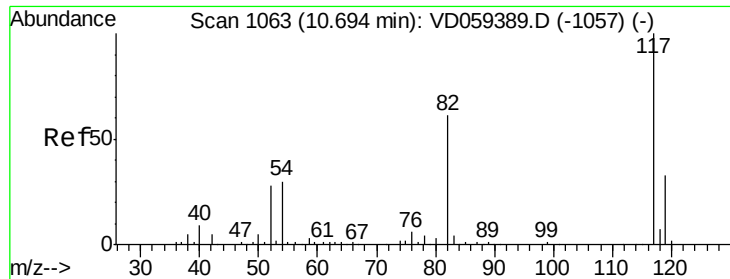


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

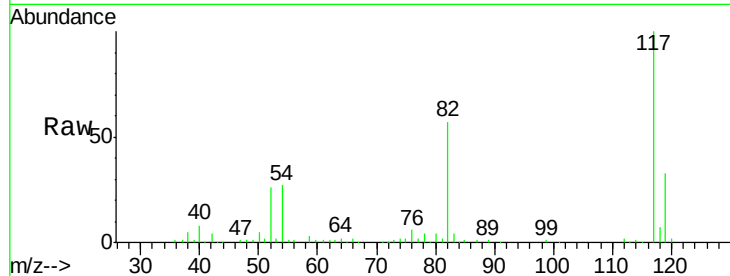




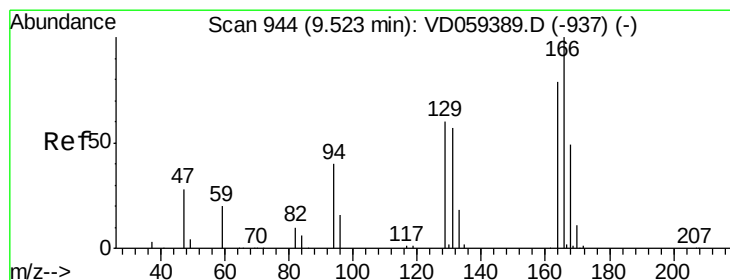
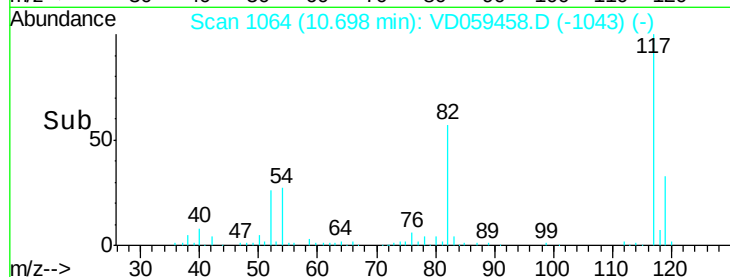
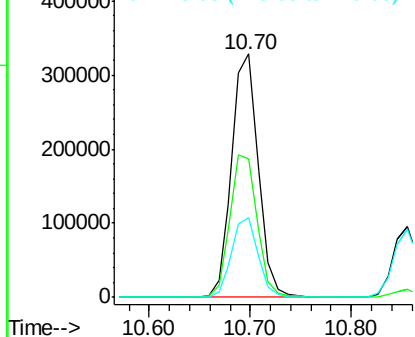
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 602338
Ion Ratio Lower Upper
117 100
82 56.8 49.0 73.6
119 32.7 26.2 39.4

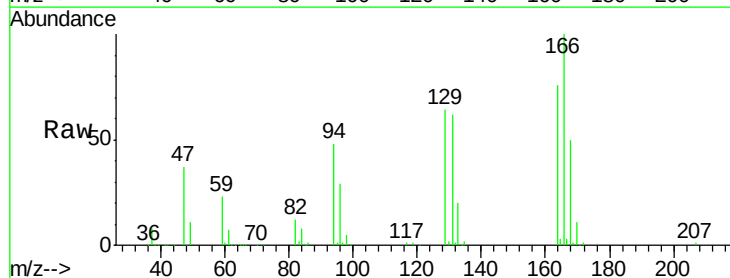


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

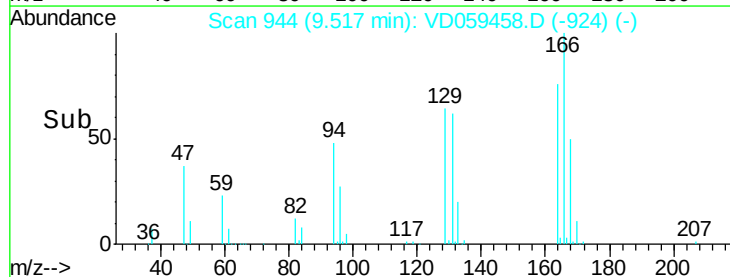
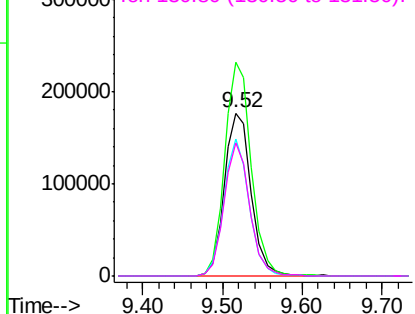


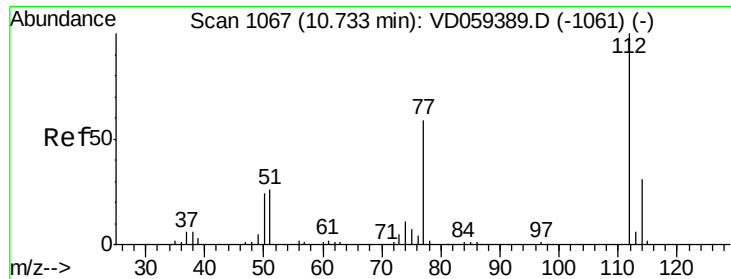
#64
Tetrachloroethene
Concen: 78.493 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion:164 Resp: 414762
Ion Ratio Lower Upper
164 100
166 130.9 101.4 152.2
129 83.8 60.9 91.3
131 81.4 58.2 87.4



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





#65

Chlorobenzene

Concen: 52.350 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

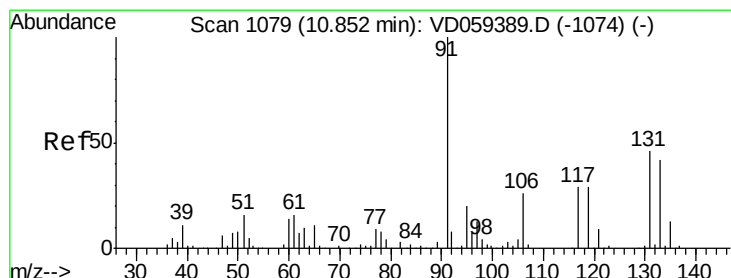
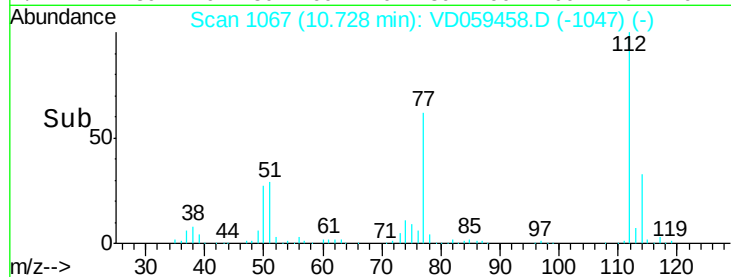
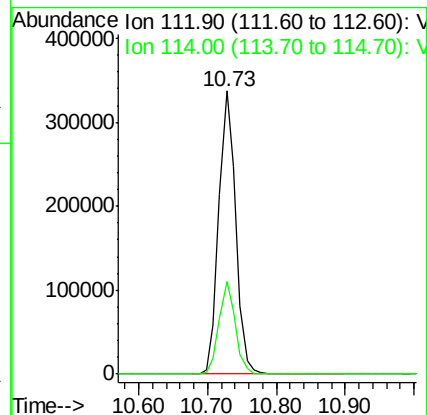
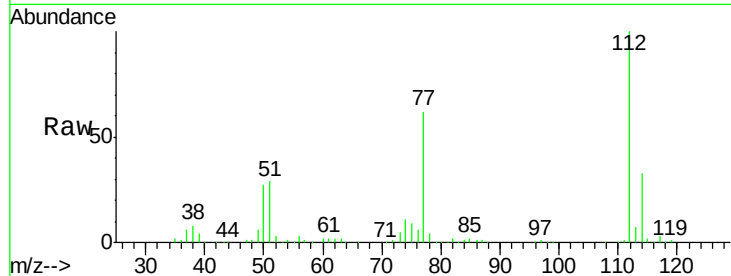
ClientSampleId :

Tot Ion:112 Resp: 576579

Ion Ratio Lower Upper

112 100

114 32.6 24.6 37.0



#66

1,1,1,2-Tetrachloroethane

Concen: 61.969 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

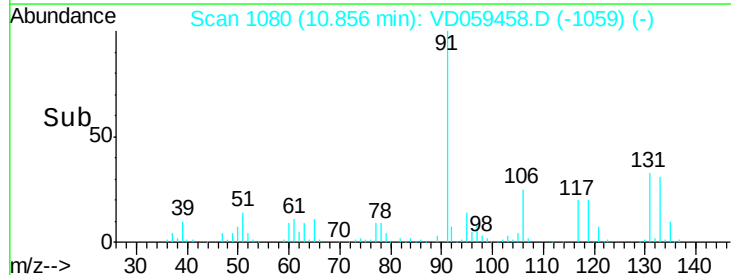
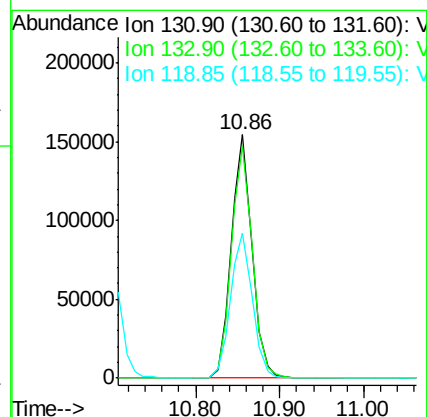
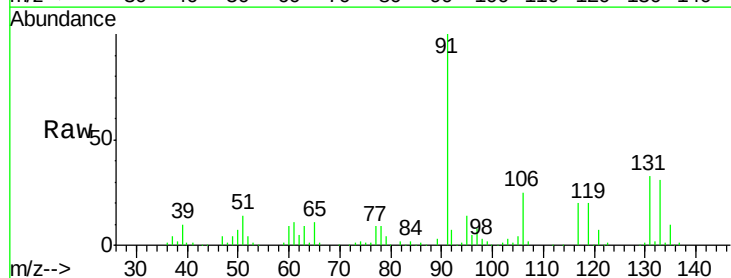
Tgt Ion:131 Resp: 261988

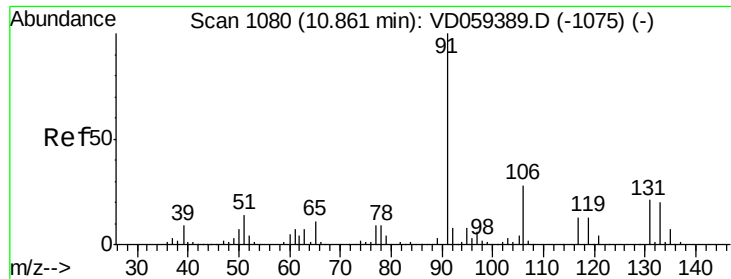
Ion Ratio Lower Upper

131 100

133 95.2 45.7 137.1

119 59.7 32.3 96.9

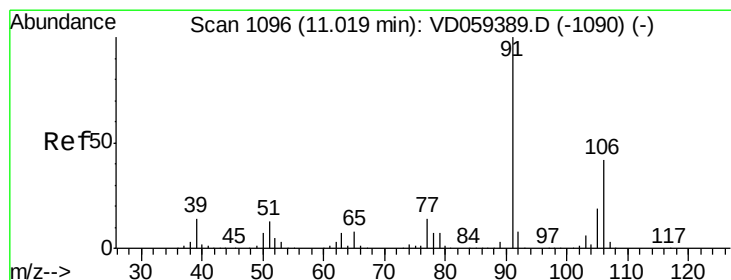
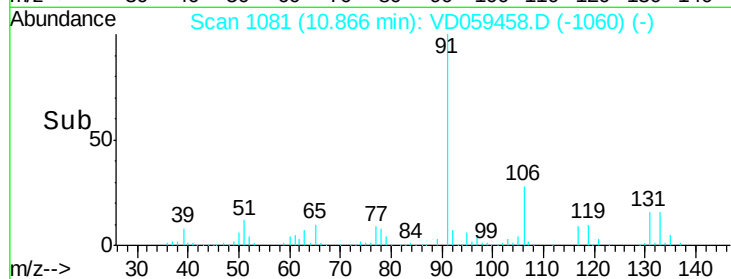
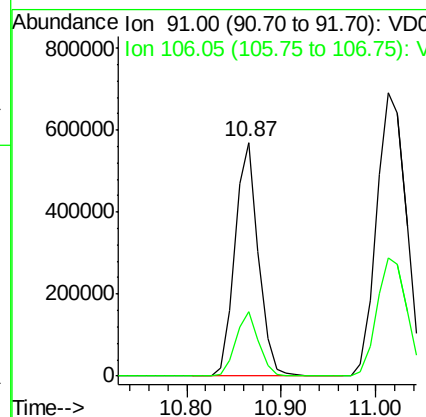
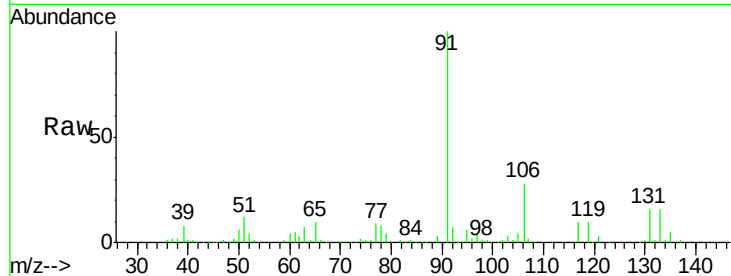




#67
Ethyl Benzene
Concen: 52.505 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

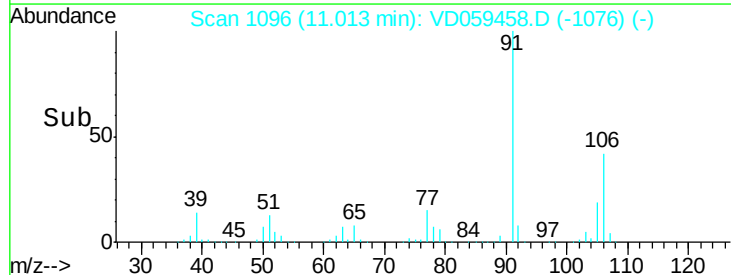
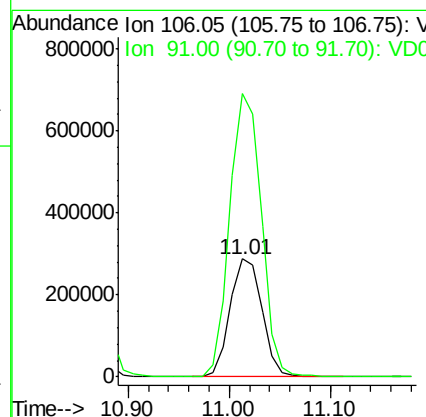
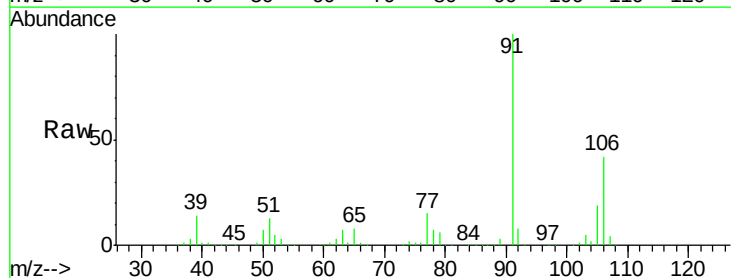
Instrument :
MSVOA_D
ClientSampled :

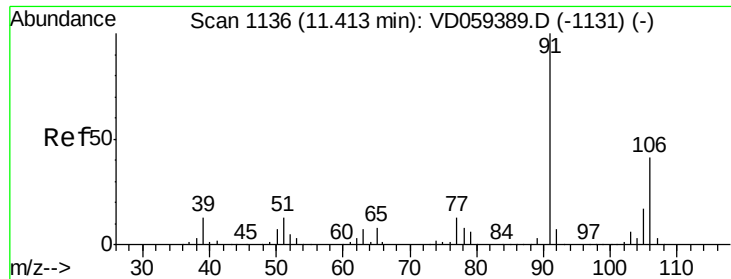
Tot Ion: 91 Resp: 975805
Ion Ratio Lower Upper
91 100
106 27.8 22.3 33.5



#68
m/p-Xylenes
Concen: 102.684 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 106 Resp: 633163
Ion Ratio Lower Upper
106 100
91 239.9 191.0 286.6

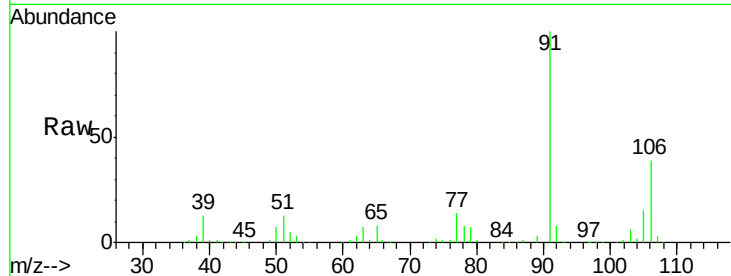




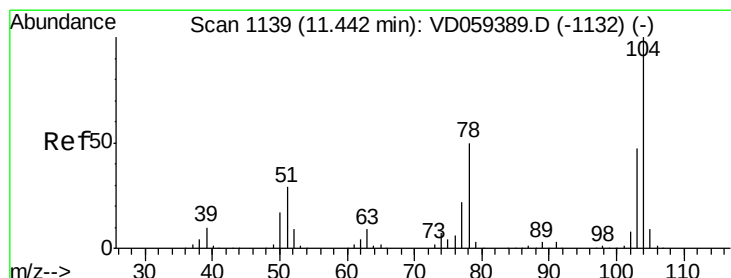
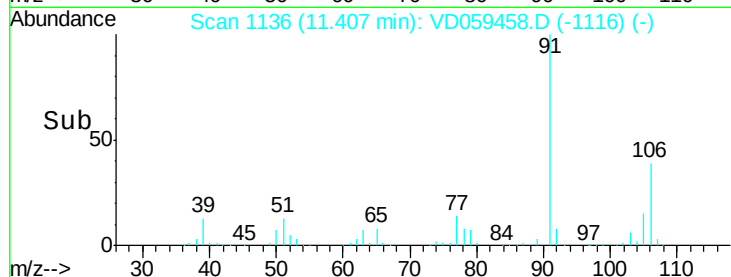
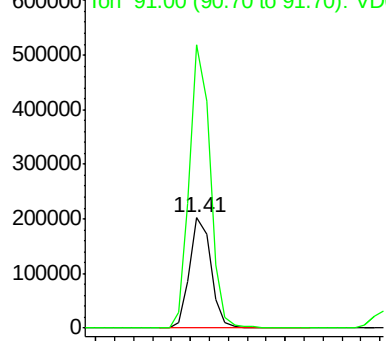
#69
o-Xylene
Concen: 52.234 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 318422
Ion Ratio Lower Upper
106 100
91 256.2 121.0 362.8

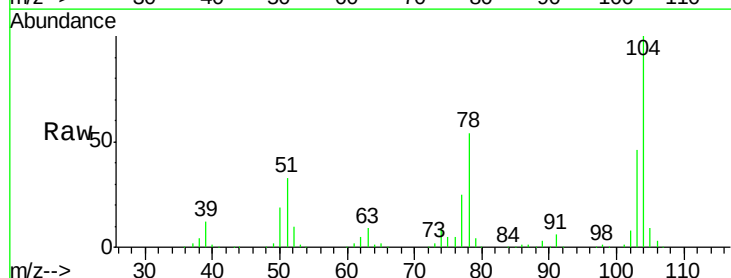


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

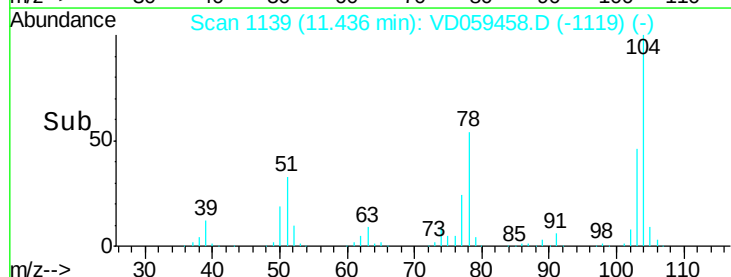
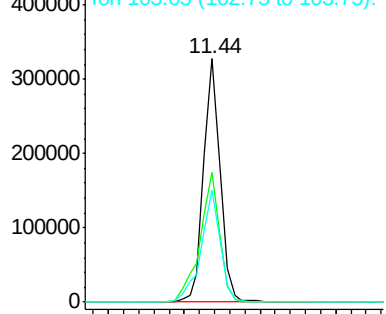


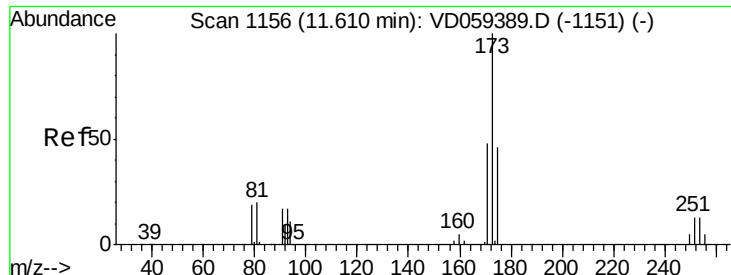
#70
Styrene
Concen: 47.110 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion:104 Resp: 492288
Ion Ratio Lower Upper
104 100
78 53.5 40.2 60.4
103 46.2 37.8 56.8



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

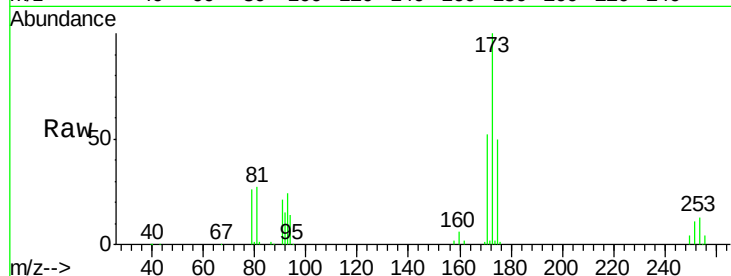




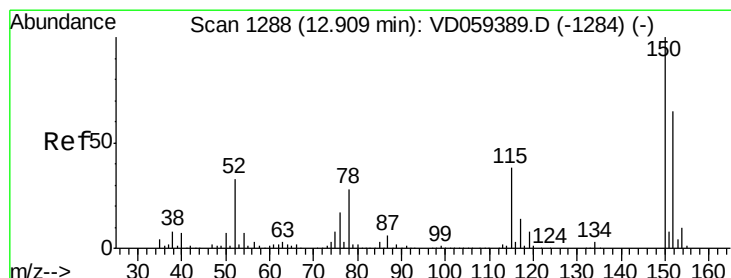
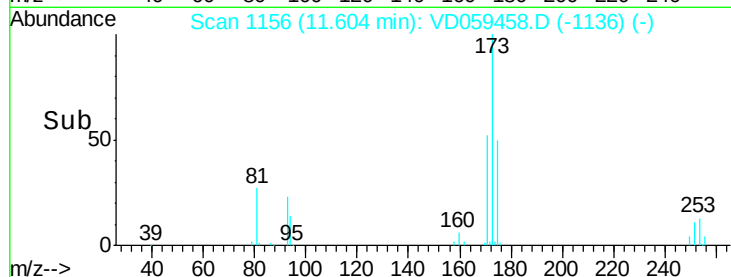
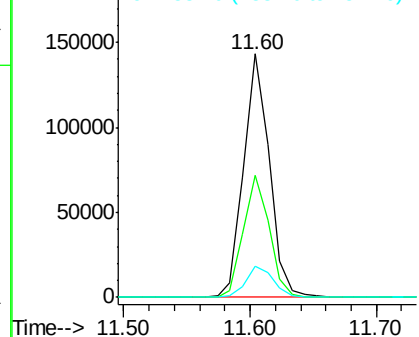
#71
Bromoform
Concen: 57.551 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 201564
Ion Ratio Lower Upper
173 100
175 50.0 22.8 68.4
254 12.8 10.1 15.1

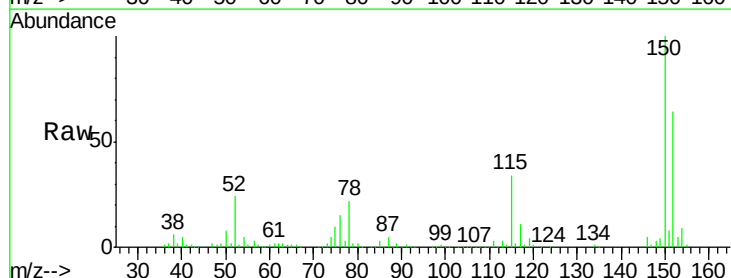


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

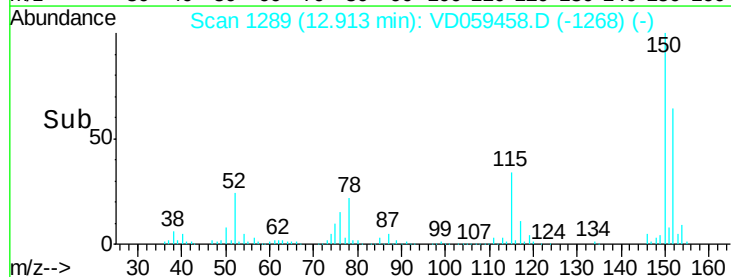
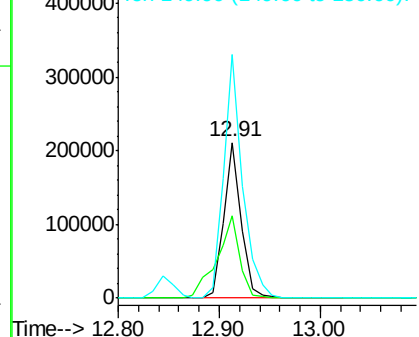


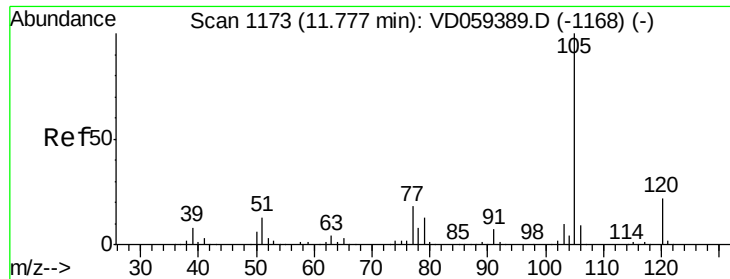
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion:152 Resp: 255567
Ion Ratio Lower Upper
152 100
115 52.6 29.4 88.3
150 156.8 0.0 308.2



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





#73

Isopropylbenzene

Concen: 58.669 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

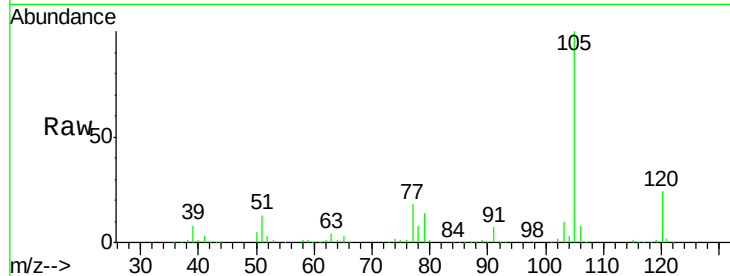
ClientSampleId :

Tot Ion:105 Resp: 846136

Ion Ratio Lower Upper

105 100

120 24.5 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

600000

500000

400000

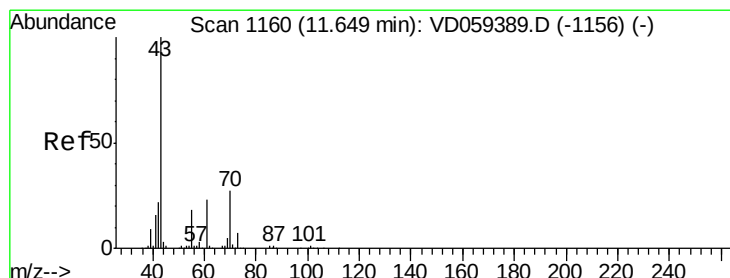
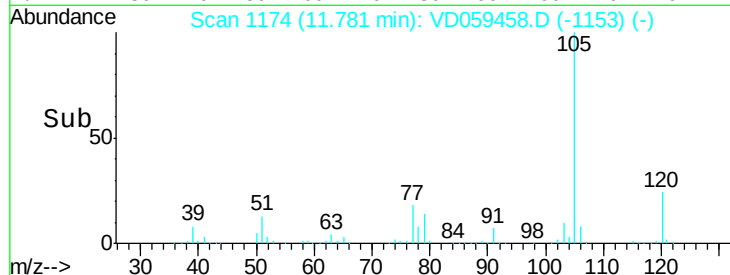
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 46.279 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Tgt Ion: 43 Resp: 253939

Ion Ratio Lower Upper

43 100

70 31.2 21.7 32.5

55 17.5 14.6 22.0

61 23.1 18.0 27.0

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

250000

200000

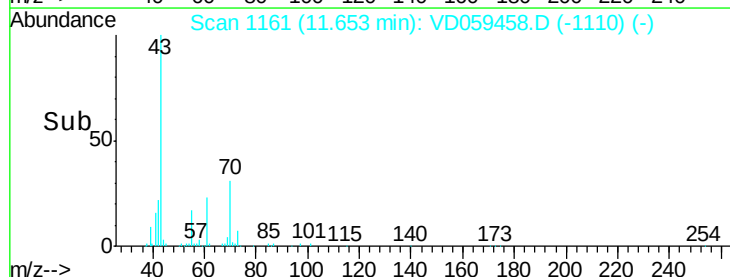
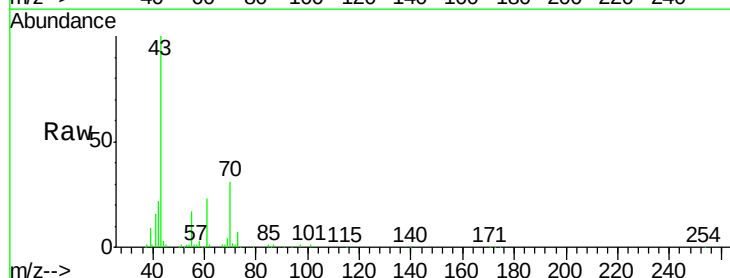
150000

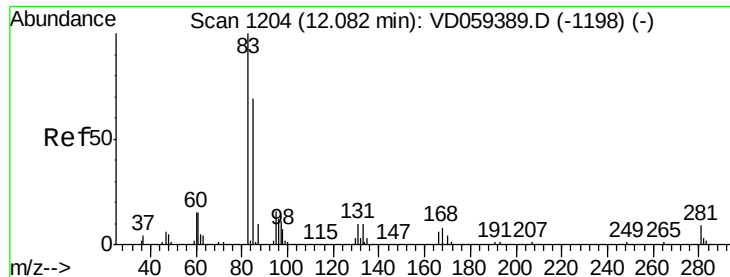
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 65.942 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

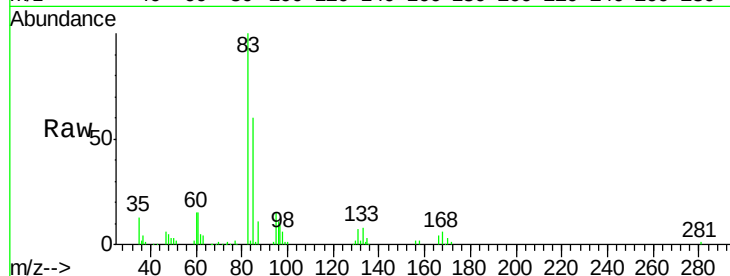
Tot Ion: 83 Resp: 223116

Ion Ratio Lower Upper

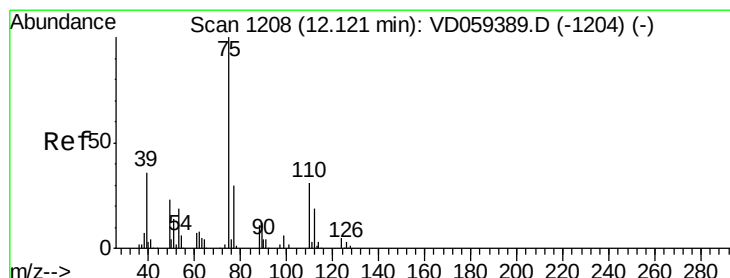
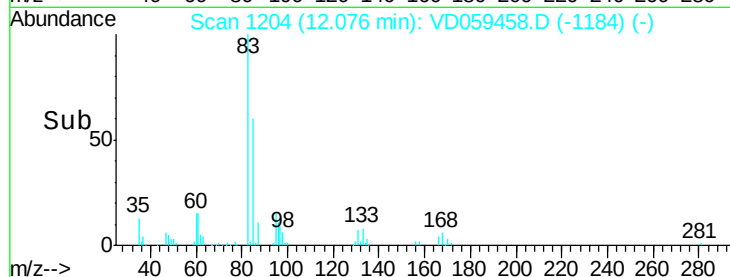
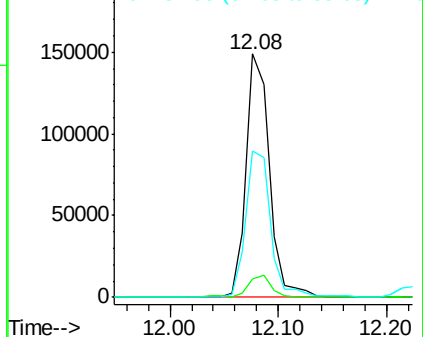
83 100

131 7.3 4.9 14.6

85 60.1 34.6 103.8



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: 72.337 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059458.D

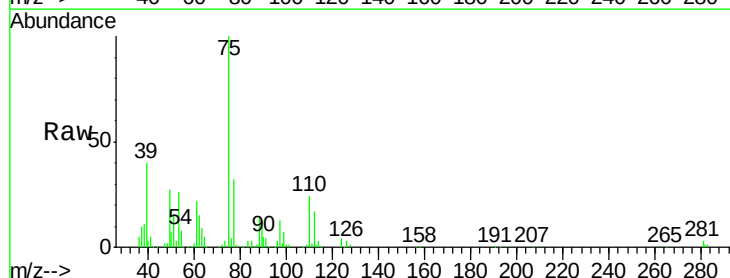
Acq: 27 Jun 2018 21:37

Tgt Ion: 75 Resp: 254998

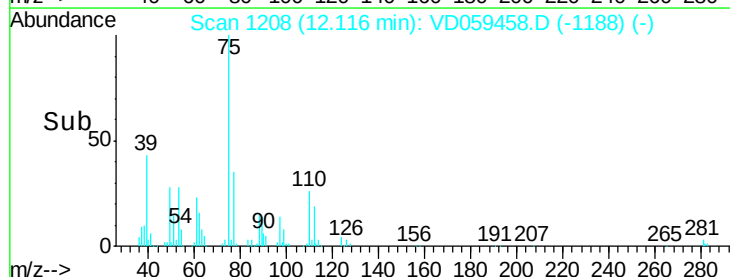
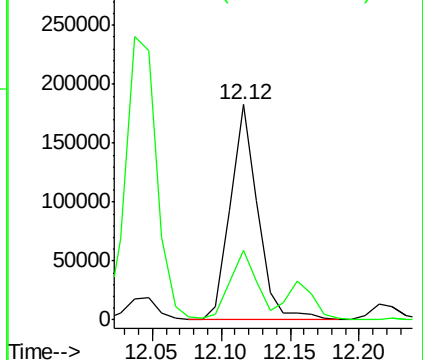
Ion Ratio Lower Upper

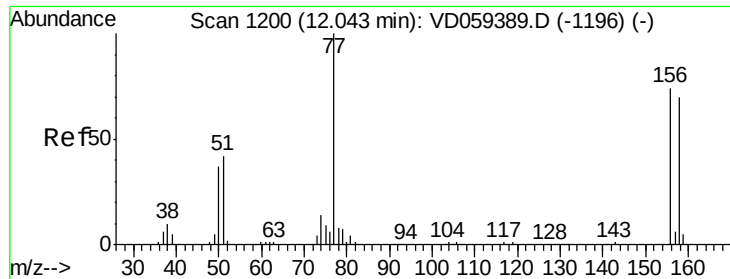
75 100

77 32.2 15.6 46.8



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





#77

Bromobenzene

Concen: 61.912 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

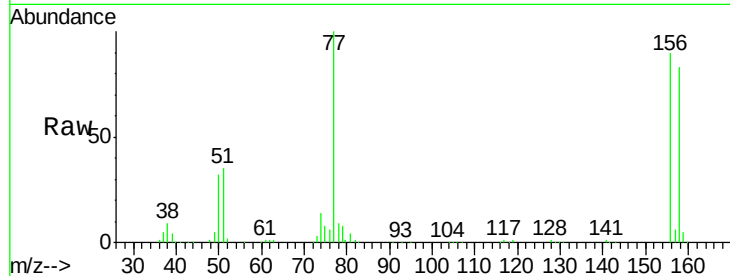
Tot Ion:156 Resp: 281031

Ion Ratio Lower Upper

156 100

77 111.2 68.0 203.8

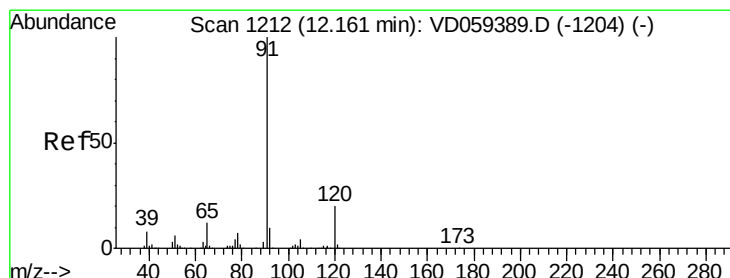
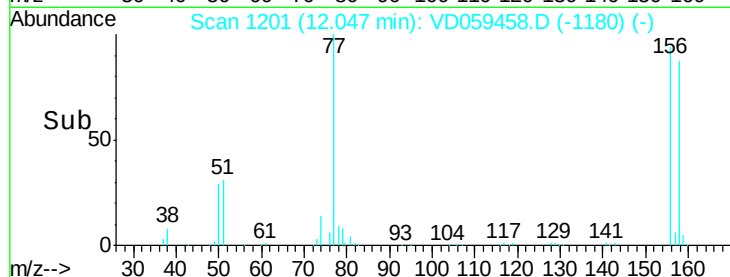
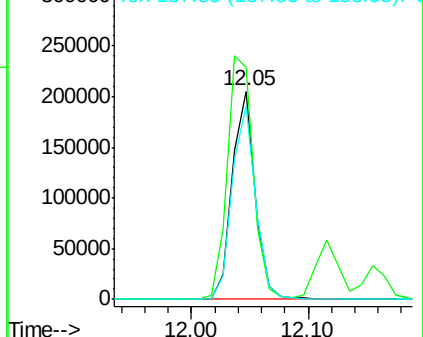
158 92.8 47.7 143.1



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: 55.360 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059458.D

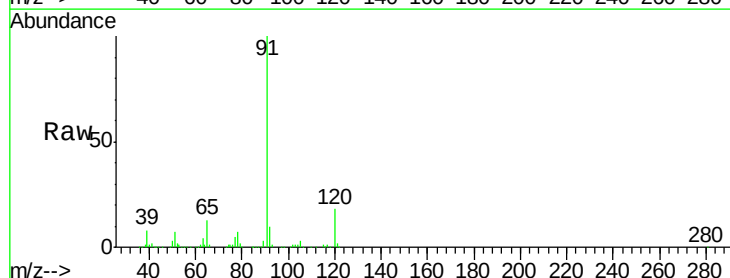
Acq: 27 Jun 2018 21:37

Tgt Ion: 91 Resp: 1011189

Ion Ratio Lower Upper

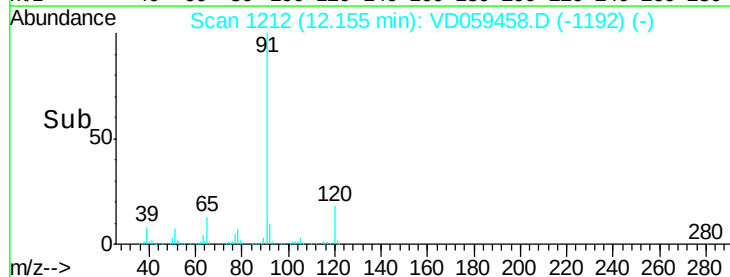
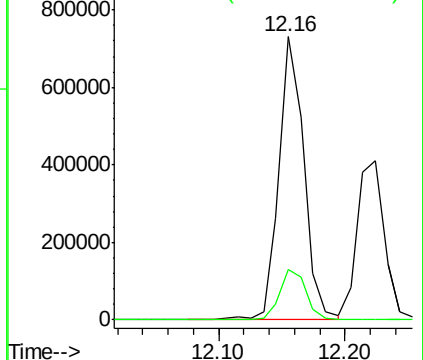
91 100

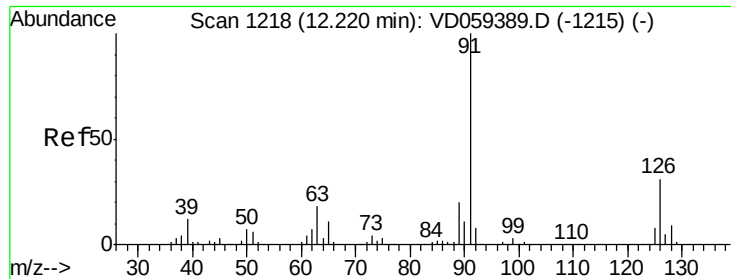
120 17.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 57.433 ug/l

RT: 12.22 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

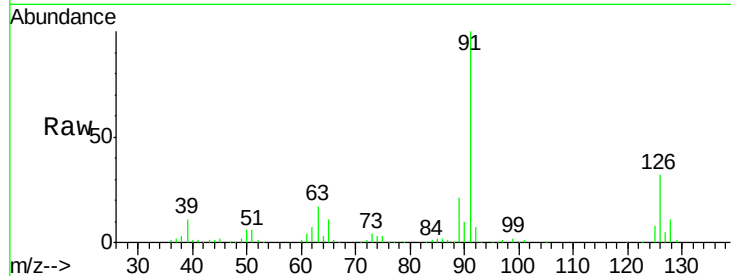
ClientSampleId :

Tot Ion: 91 Resp: 616072

Ion Ratio Lower Upper

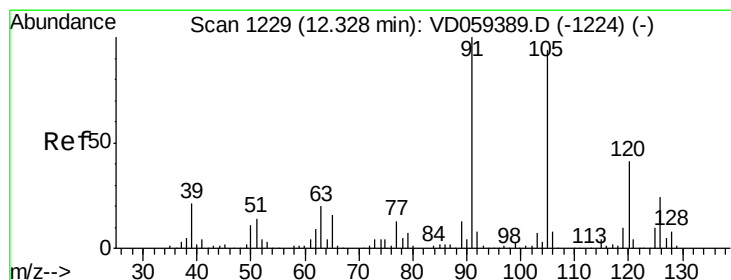
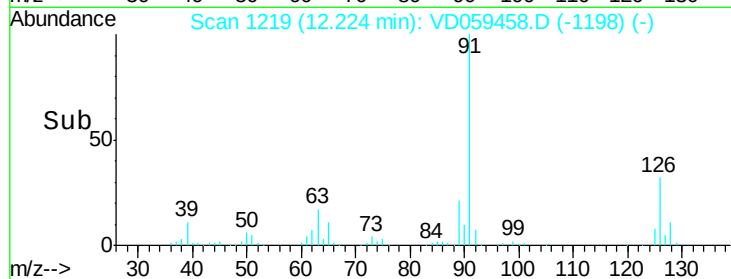
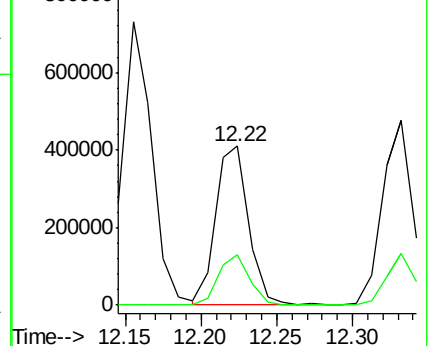
91 100

126 32.1 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 55.105 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059458.D

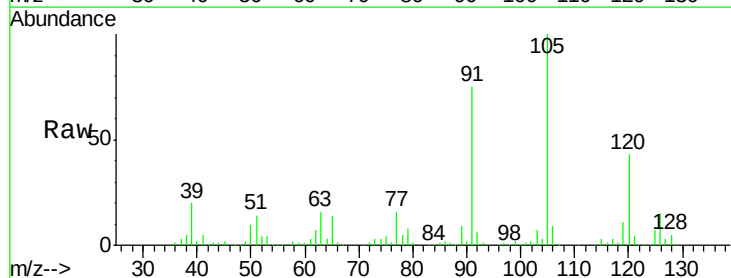
Acq: 27 Jun 2018 21:37

Tgt Ion: 105 Resp: 632674

Ion Ratio Lower Upper

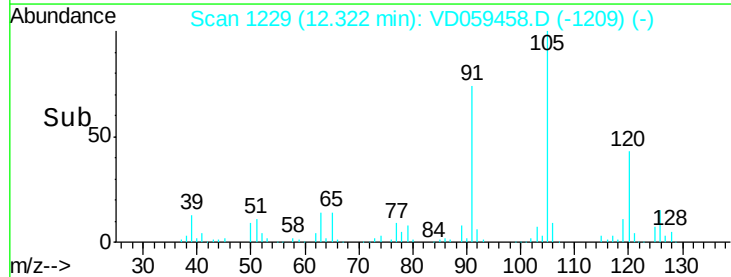
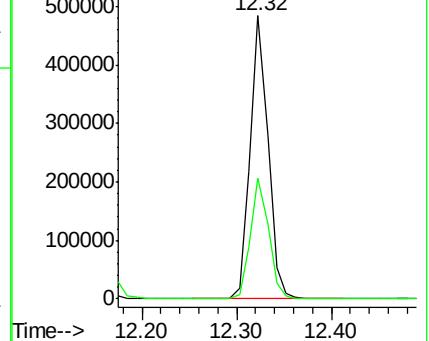
105 100

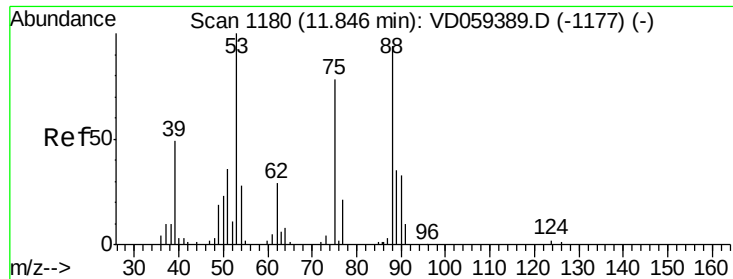
120 42.5 21.9 65.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 66.394 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampled :

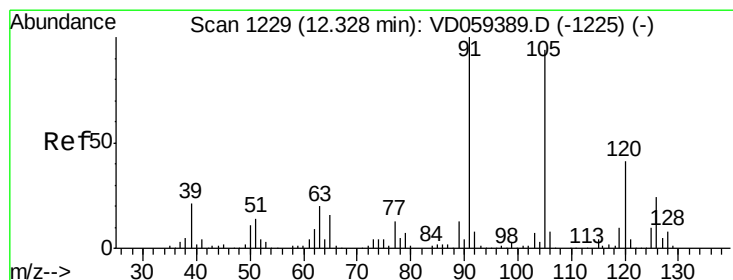
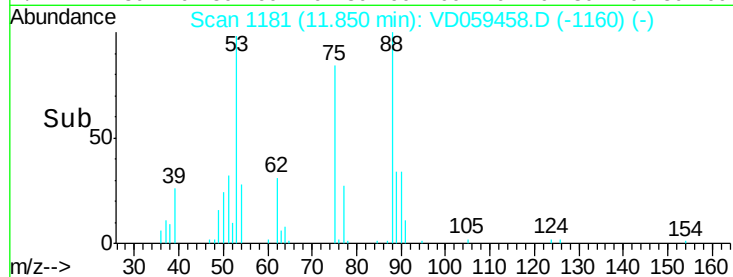
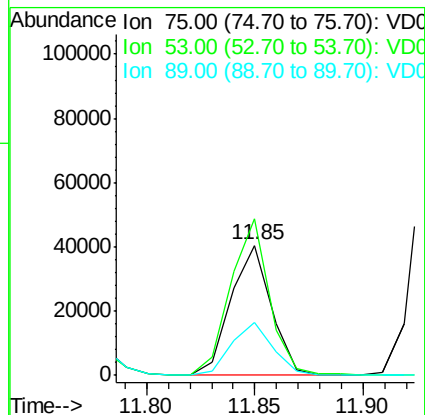
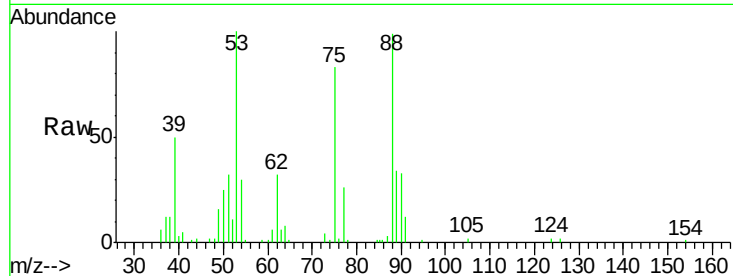
Tot Ion: 75 Resp: 53197

Ion Ratio Lower Upper

75 100

53 120.1 102.6 154.0

89 40.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 54.755 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059458.D

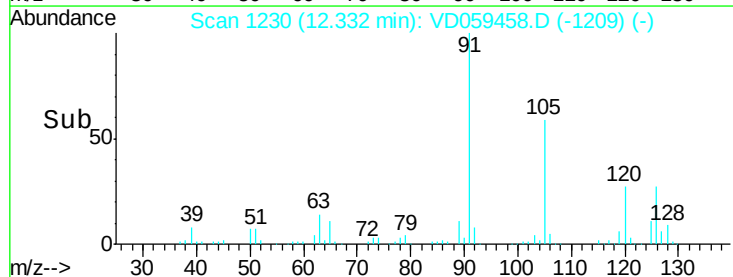
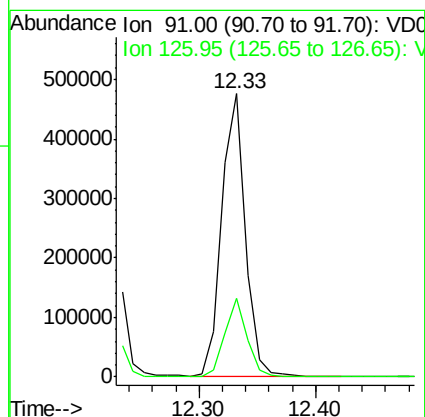
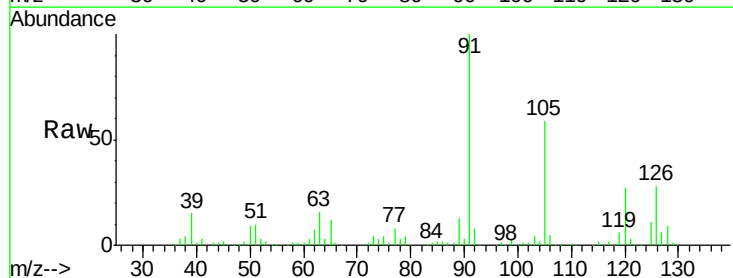
Acq: 27 Jun 2018 21:37

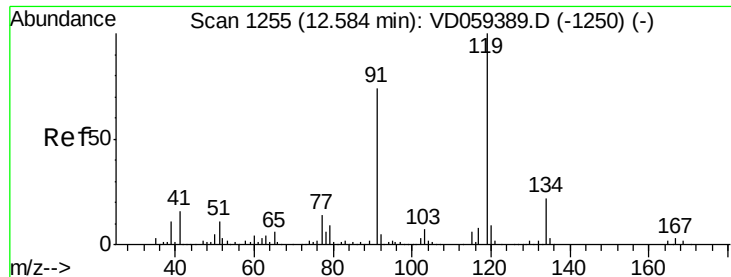
Tgt Ion: 91 Resp: 666012

Ion Ratio Lower Upper

91 100

126 27.8 12.2 36.6

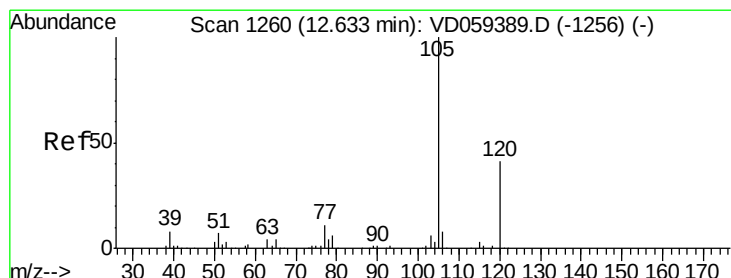
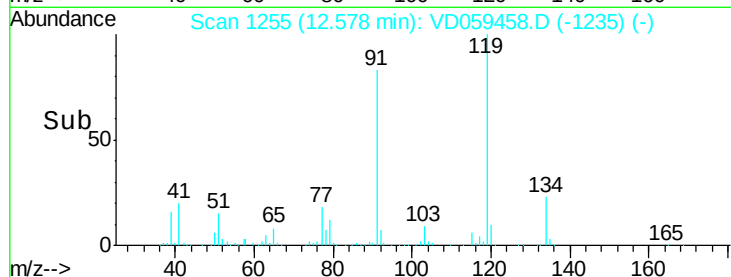
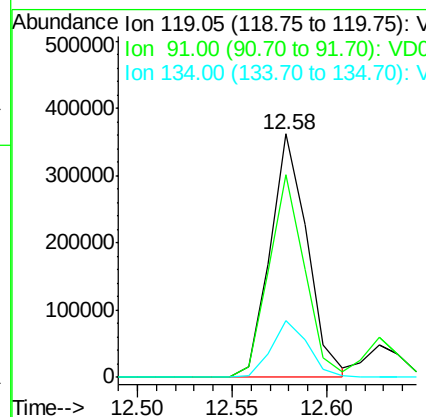
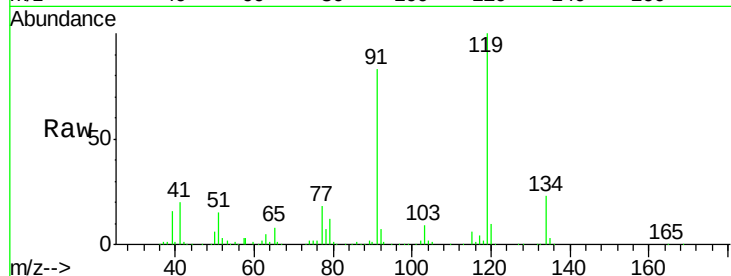




#83
 tert-Butylbenzene
 Concen: 40.376 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

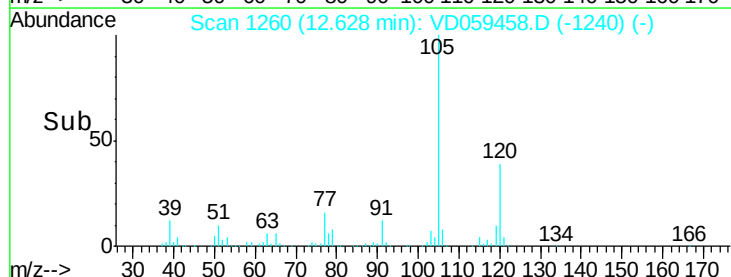
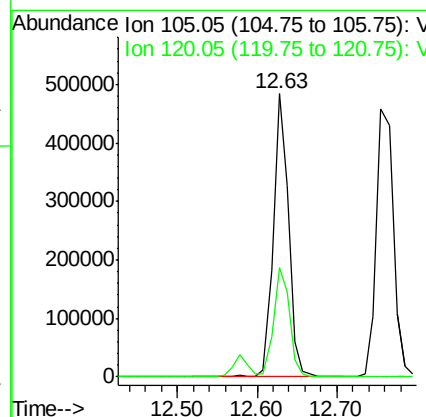
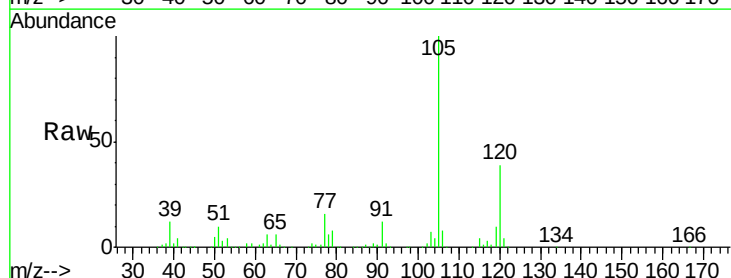
Instrument :
 MSVOA_D
 ClientSampleId :

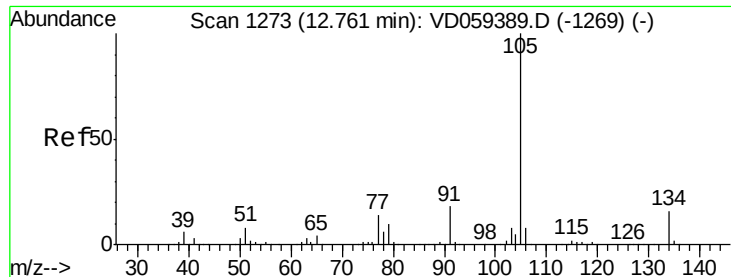
Tot Ion:119 Resp: 493106
 Ion Ratio Lower Upper
 119 100
 91 83.2 36.9 110.7
 134 23.1 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 53.048 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion:105 Resp: 644569
 Ion Ratio Lower Upper
 105 100
 120 38.8 21.5 64.5





#85

sec-Butylbenzene

Concen: 44.553 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

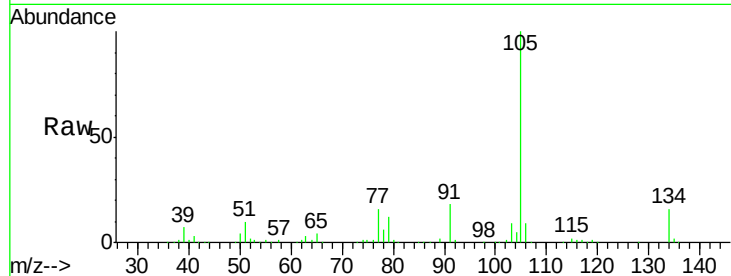
ClientSampled :

Tot Ion:105 Resp: 667679

Ion Ratio Lower Upper

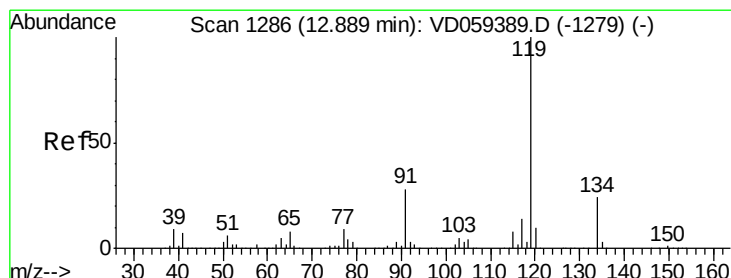
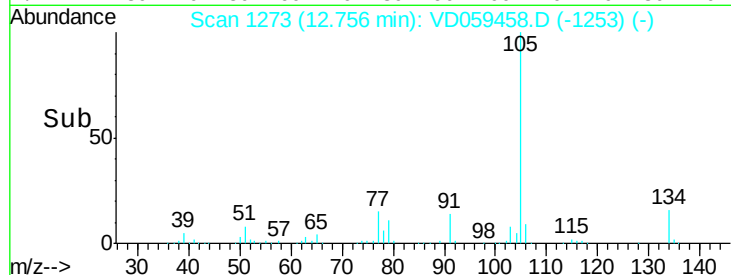
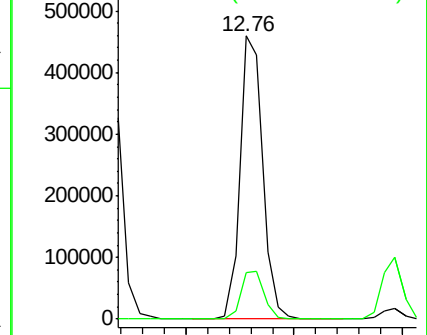
105 100

134 16.3 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 46.001 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

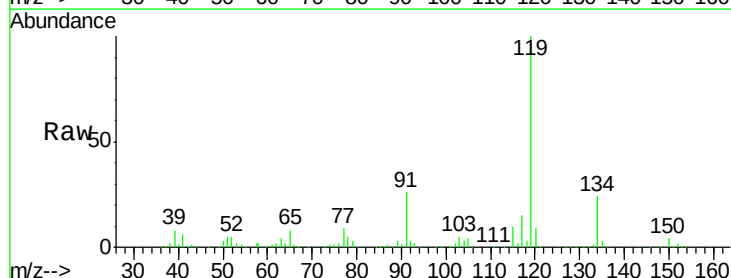
Tgt Ion:119 Resp: 555647

Ion Ratio Lower Upper

119 100

134 24.3 11.9 35.5

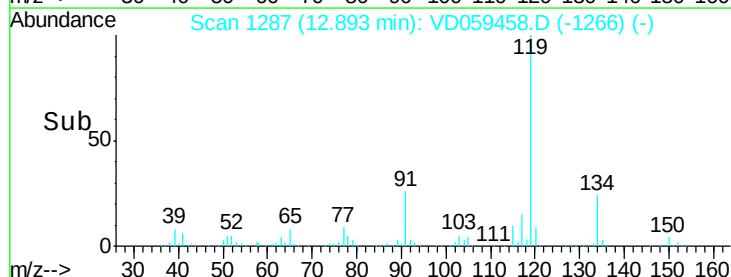
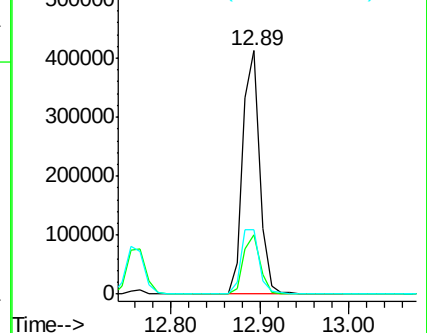
91 26.3 14.1 42.4

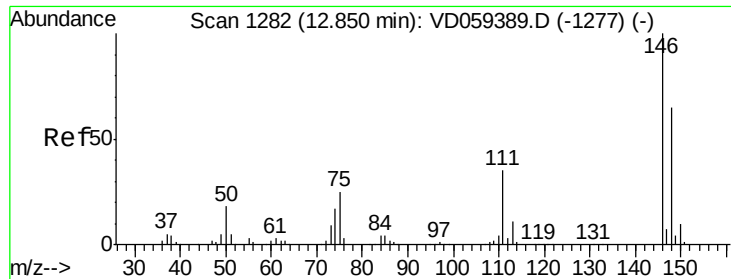


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

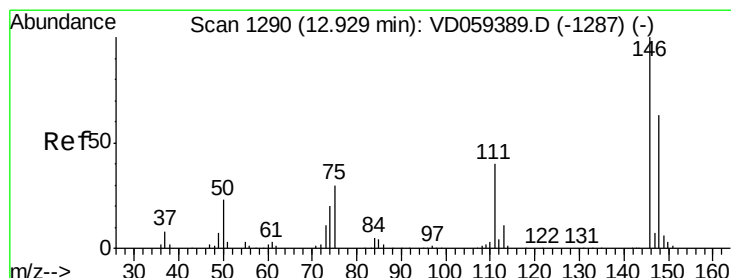
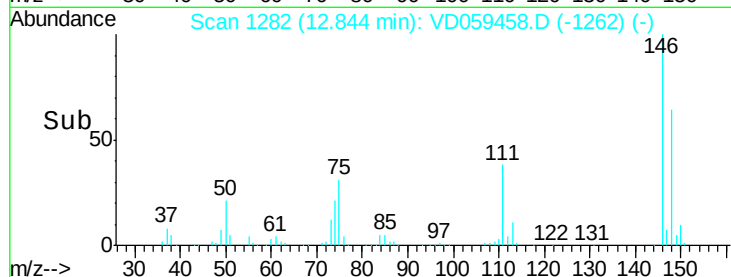
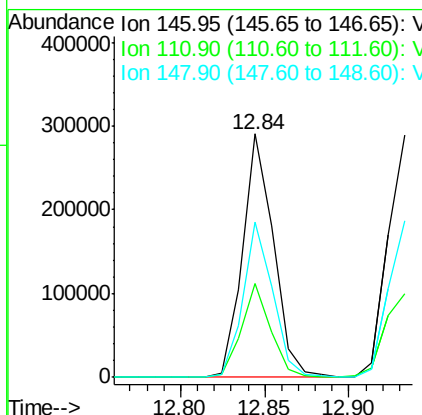
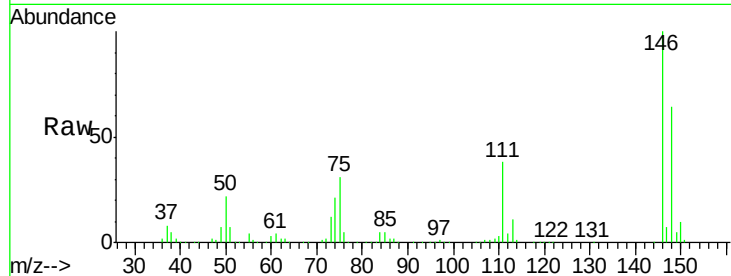




#87
 1,3-Dichlorobenzene
 Concen: 49.573 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

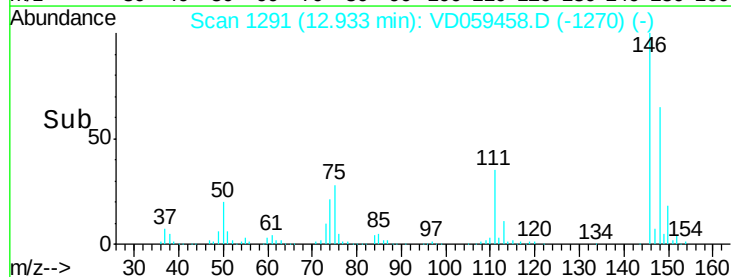
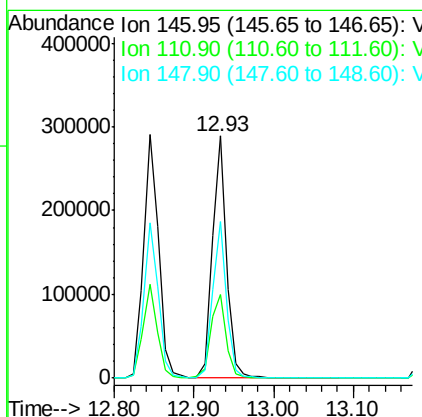
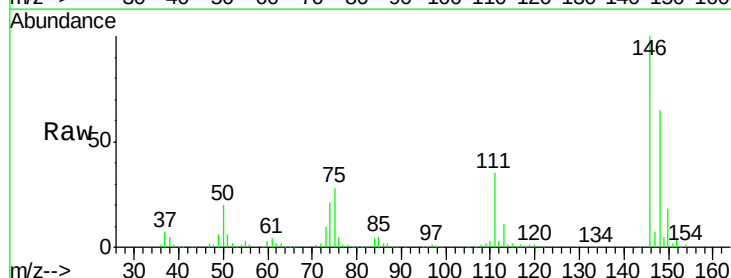
Instrument :
 MSVOA_D
 ClientSampleId :

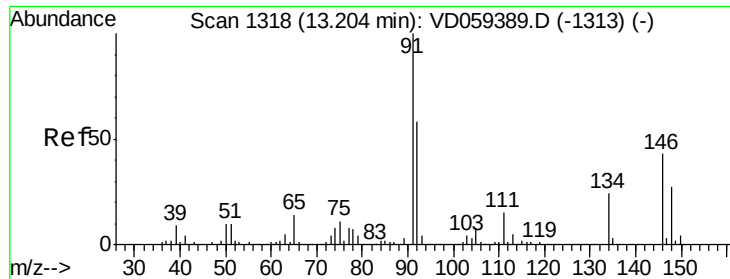
Tot Ion:146 Resp: 370194
 Ion Ratio Lower Upper
 146 100
 111 38.4 17.6 52.8
 148 64.0 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 49.201 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion:146 Resp: 362576
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.1 60.2
 148 64.8 31.4 94.0

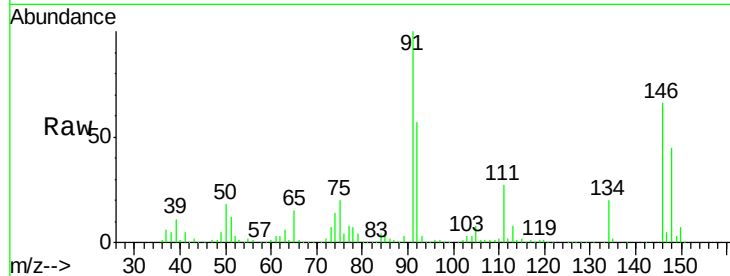




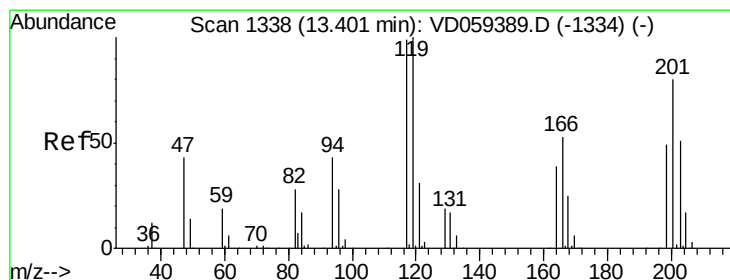
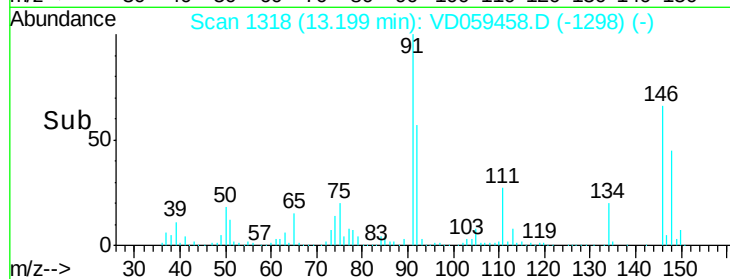
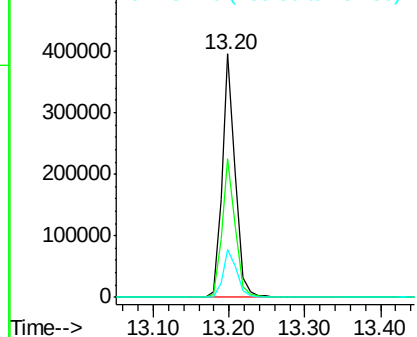
#89
n-Butylbenzene
Concen: 40.355 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 481166
Ion Ratio Lower Upper
91 100
92 56.8 28.8 86.5
134 19.6 11.9 35.7

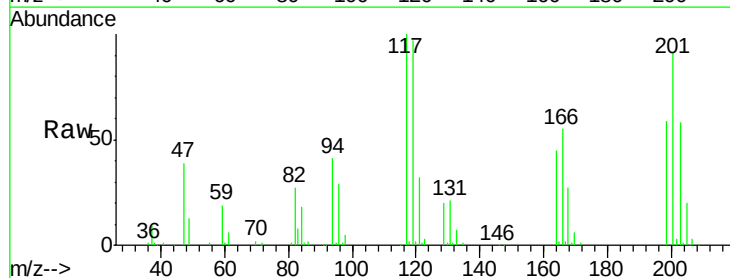


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

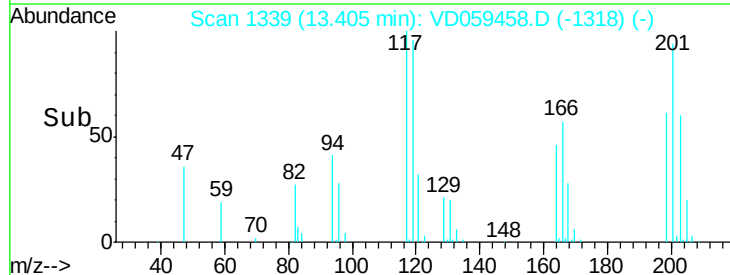
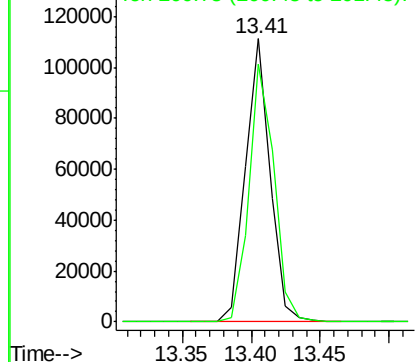


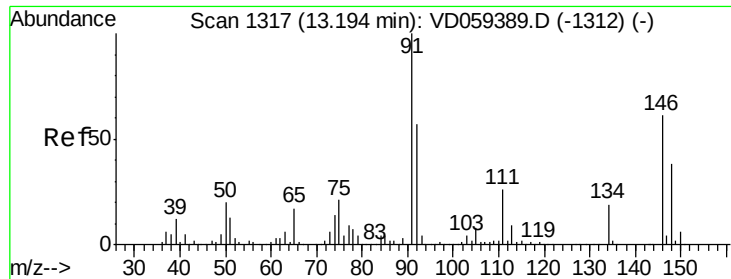
#90
Hexachloroethane
Concen: 46.050 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059458.D
Acq: 27 Jun 2018 21:37

Tgt Ion: 117 Resp: 138778
Ion Ratio Lower Upper
117 100
201 91.2 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

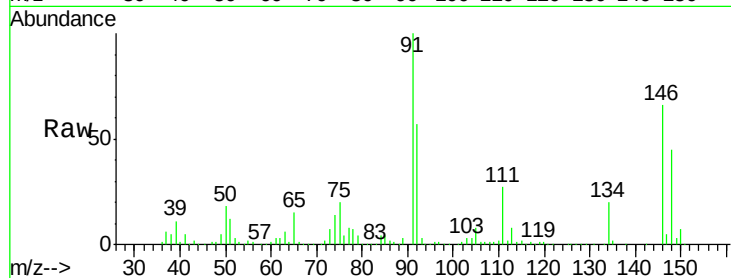




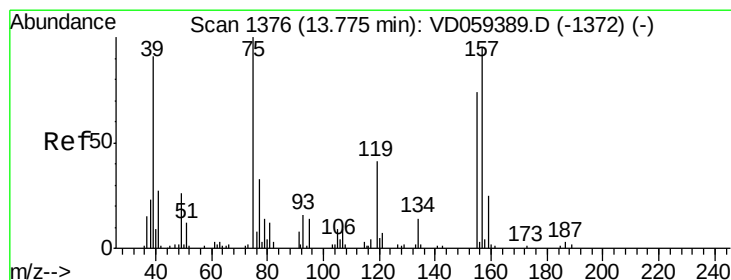
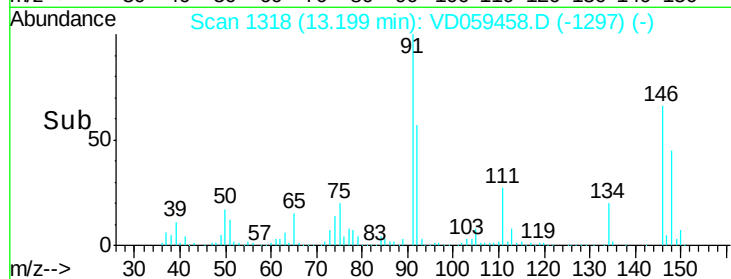
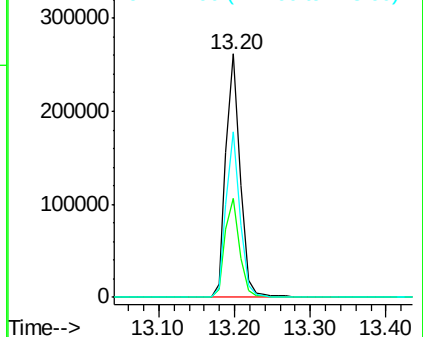
#91
 1,2-Dichlorobenzene
 Concen: 54.625 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 345859
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.4 64.2
 148 67.8 31.6 95.0

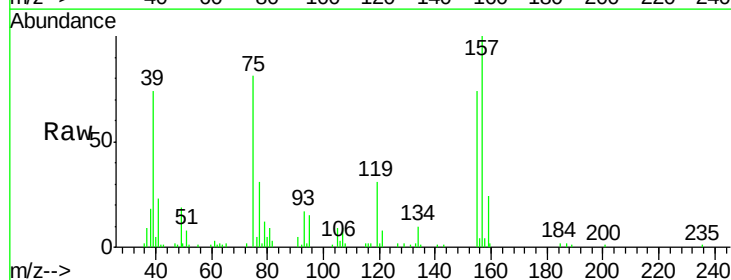


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

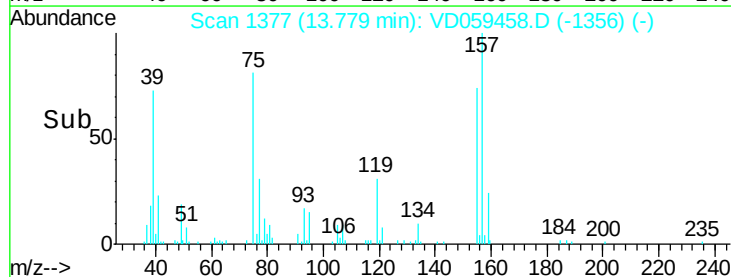
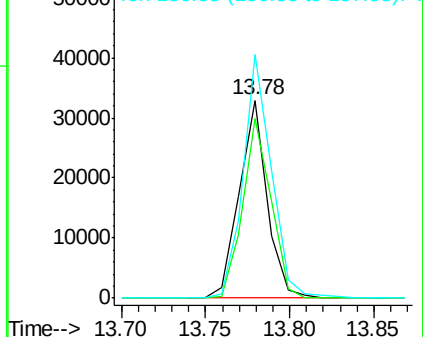


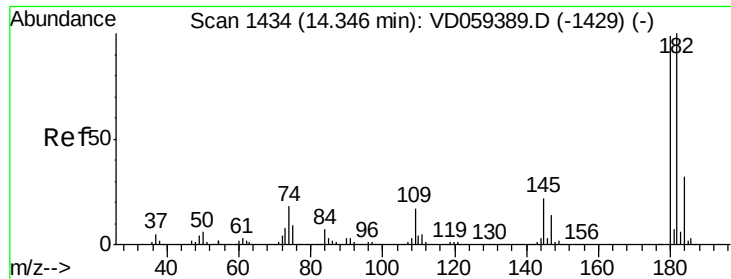
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.397 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion: 75 Resp: 37602
 Ion Ratio Lower Upper
 75 100
 155 91.1 37.2 111.6
 157 123.1 47.4 142.2



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

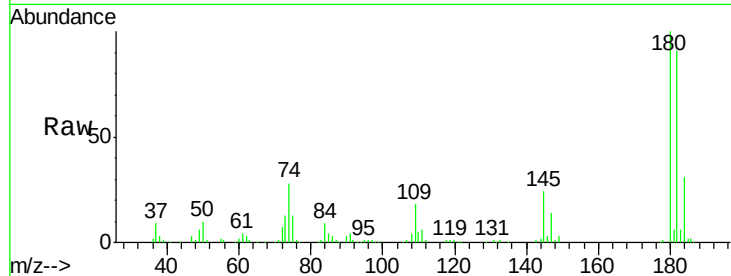




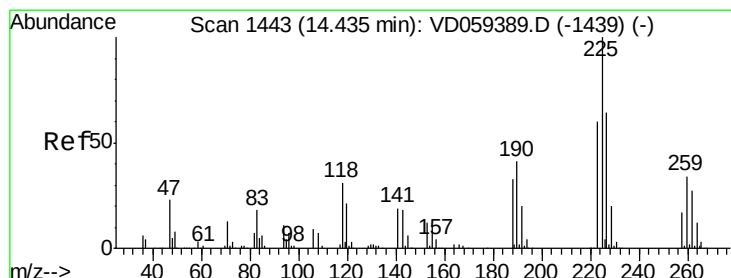
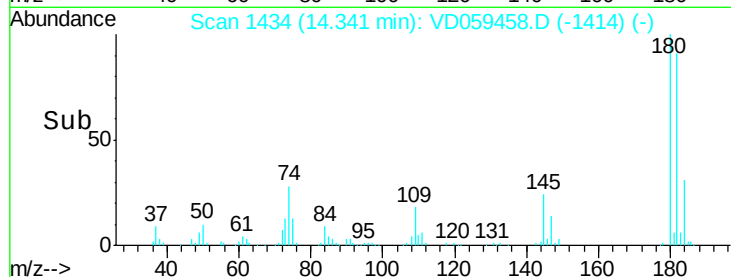
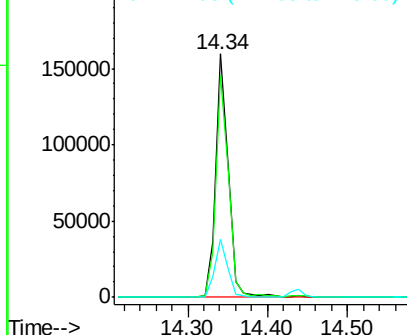
#93
 1,2,4-Trichlorobenzene
 Concen: 30.926 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 181034
 Ion Ratio Lower Upper
 180 100
 182 91.0 50.4 151.2
 145 23.7 11.0 33.0

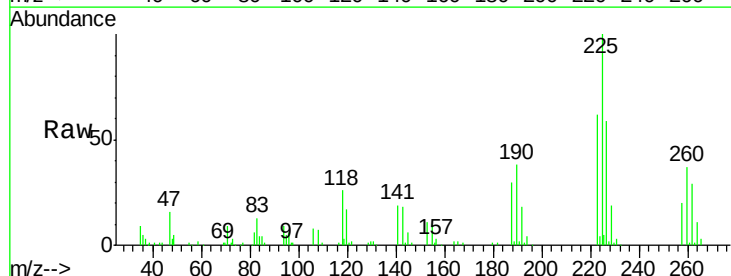


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

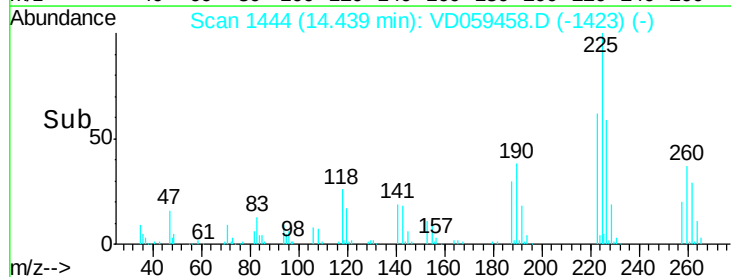
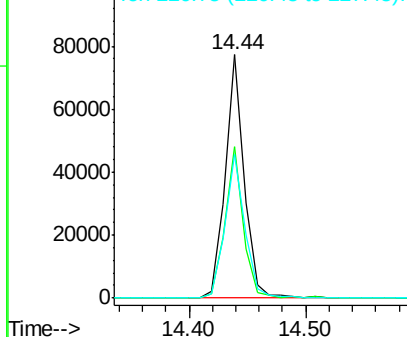


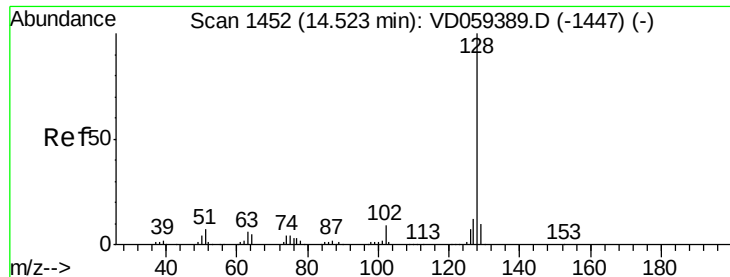
#94
 Hexachlorobutadiene
 Concen: 19.680 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059458.D
 Acq: 27 Jun 2018 21:37

Tgt Ion:225 Resp: 86688
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.0 90.1
 227 59.1 32.1 96.5



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: 45.372 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

Instrument :

MSVOA_D

ClientSampleId :

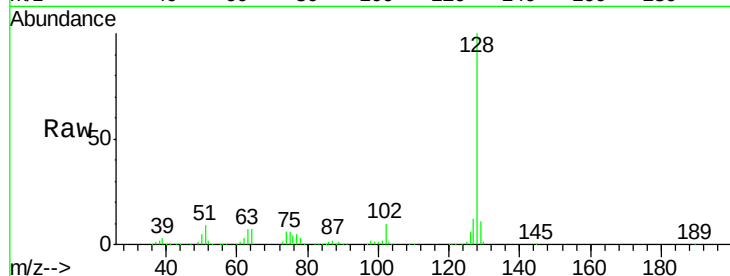
Tot Ion:128 Resp: 370163

Ion Ratio Lower Upper

128 100

127 11.9 9.6 14.4

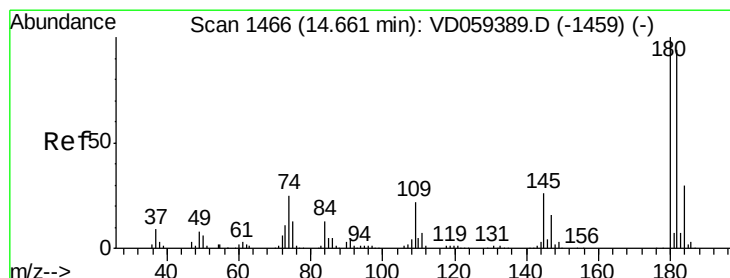
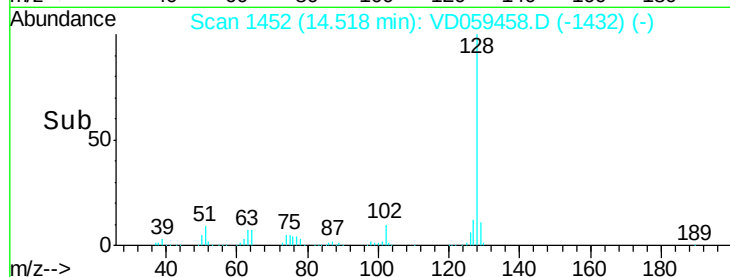
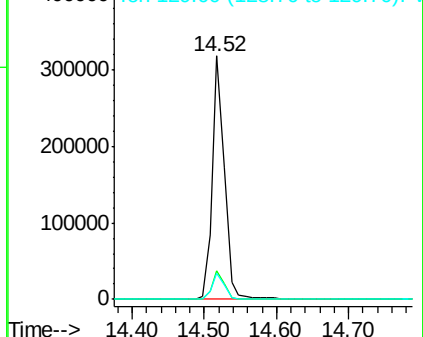
129 10.8 8.2 12.2



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: 28.292 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059458.D

Acq: 27 Jun 2018 21:37

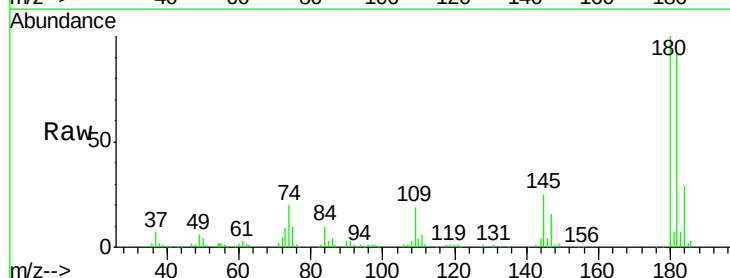
Tgt Ion:180 Resp: 148906

Ion Ratio Lower Upper

180 100

182 91.9 47.1 141.4

145 25.1 13.1 39.3



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

