

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059440.D
 Acq On : 27 Jun 2018 13:09
 Operator : VA/AP
 Sample : VD0627SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

Quant Time: Jun 27 15:05:08 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	5.64	168	978570	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	1252126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1021008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	520427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	423806	42.35	ug/l	0.00
Spiked Amount			Recovery	=	84.70%	
35) Dibromofluoromethane	5.55	113	462809	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
50) Toluene-d8	8.71	98	1008090	42.28	ug/l	0.00
Spiked Amount			Recovery	=	84.56%	
62) 4-Bromofluorobenzene	11.93	95	428185	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	222456	25.55	ug/l	99
3) Chloromethane	1.49	50	108985	24.06	ug/l	91
4) Vinyl Chloride	1.56	62	105791	22.51	ug/l	92
5) Bromomethane	1.80	94	36852	21.03	ug/l	85
6) Chloroethane	1.89	64	37419	17.37	ug/l	98
7) Trichlorofluoromethane	2.08	101	161544	23.84	ug/l	94
8) Diethyl Ether	2.35	74	34691	22.62	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	105808	25.12	ug/l	96
10) Methyl Iodide	2.69	142	102107	20.76	ug/l	96
11) Tert butyl alcohol	3.28	59	29489	85.18	ug/l #	90
12) 1,1-Dichloroethene	2.55	96	81309	25.22	ug/l	83
13) Acrolein	2.48	56	37499	121.16	ug/l	95
14) Allyl chloride	2.92	41	167787	22.73	ug/l	98
15) Acrylonitrile	3.36	53	139603	131.39	ug/l	95
16) Acetone	2.62	43	163086	129.13	ug/l #	88
17) Carbon Disulfide	2.75	76	226571	22.94	ug/l	100
18) Methyl Acetate	2.94	43	53032	17.85	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	336524	21.20	ug/l	97
20) Methylene Chloride	3.08	84	96988	26.52	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	159275	27.94	ug/l	92
22) Diisopropyl ether	4.07	45	613117	22.08	ug/l	99
23) Vinyl Acetate	4.02	43	1672901	115.63	ug/l	98
24) 1,1-Dichloroethane	3.97	63	361933	22.78	ug/l	98
25) 2-Butanone	4.84	43	276625	104.55	ug/l	94
26) 2,2-Dichloropropane	4.80	77	318008	25.81	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	205925	21.49	ug/l	90
28) Bromochloromethane	5.15	49	142455	20.68	ug/l	98
29) Tetrahydrofuran	5.18	42	144921	100.14	ug/l	97
30) Chloroform	5.32	83	381059	22.00	ug/l	95
31) Cyclohexane	5.59	56	280903	24.83	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	321467	22.92	ug/l	89
36) 1,1-Dichloropropene	5.75	75	272068	23.95	ug/l	97
37) Ethyl Acetate	4.93	43	147912	21.38	ug/l #	96
38) Carbon Tetrachloride	5.73	117	270792	23.12	ug/l	97

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VD0627SBS01

Quant Time: Jun 27 15:05:08 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	251942	23.39	ug/l	94
40) Benzene	6.01	78	609743	22.37	ug/l	100
41) Methacrylonitrile	5.14	41	69166	20.76	ug/l	95
42) 1,2-Dichloroethane	6.13	62	256327	21.28	ug/l	98
43) Isopropyl Acetate	7.62	43	172416	19.85	ug/l #	99
44) Trichloroethene	6.98	130	197945	22.18	ug/l	99
45) 1,2-Dichloropropane	7.35	63	170907	22.64	ug/l	99
46) Dibromomethane	7.46	93	117959	21.73	ug/l	94
47) Bromodichloromethane	7.74	83	267978	22.06	ug/l	98
48) Methyl methacrylate	7.51	41	107886	20.39	ug/l	95
49) 1,4-Dioxane	7.50	88	21764	410.04	ug/l	92
51) 4-Methyl-2-Pentanone	8.59	43	604468	104.42	ug/l	100
52) Toluene	8.80	92	351080	21.57	ug/l	92
53) t-1,3-Dichloropropene	9.18	75	234732	23.12	ug/l	97
54) cis-1,3-Dichloropropene	8.35	75	275236	23.42	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	124908	21.13	ug/l	97
56) Ethyl methacrylate	9.31	69	146205	21.68	ug/l	99
57) 1,3-Dichloropropane	9.66	76	211775	21.91	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	371754	107.08	ug/l	99
59) 2-Hexanone	9.78	43	466286	113.34	ug/l	98
60) Dibromochloromethane	9.96	129	172761	20.87	ug/l	96
61) 1,2-Dibromoethane	10.10	107	139749	21.23	ug/l	99
64) Tetrachloroethene	9.51	164	175691	19.62	ug/l	94
65) Chlorobenzene	10.72	112	423332	22.68	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	161553	22.54	ug/l	95
67) Ethyl Benzene	10.85	91	746517	23.70	ug/l	96
68) m/p-Xylenes	11.01	106	493184	47.19	ug/l	97
69) o-Xylene	11.41	106	229976	22.26	ug/l	96
70) Styrene	11.43	104	390787	22.06	ug/l	98
71) Bromoform	11.60	173	123504	20.80	ug/l	97
73) Isopropylbenzene	11.77	105	686190	23.36	ug/l	99
74) N-amyl acetate	11.64	43	235594	21.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	149386	21.68	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	158452	22.07	ug/l	100
77) Bromobenzene	12.04	156	203749	22.04	ug/l	98
78) n-propylbenzene	12.15	91	886288	23.83	ug/l	99
79) 2-Chlorotoluene	12.21	91	519301	23.77	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	524144	22.42	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	36077	22.11	ug/l	91
82) 4-Chlorotoluene	12.32	91	574669	23.20	ug/l	98
83) tert-Butylbenzene	12.58	119	626498	25.19	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	562963	22.75	ug/l	94
85) sec-Butylbenzene	12.75	105	711686	23.32	ug/l	98
86) p-Isopropyltoluene	12.88	119	588803	23.94	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	345005	22.69	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	347450	23.15	ug/l	97
89) n-Butylbenzene	13.20	91	608440	25.06	ug/l	99
90) Hexachloroethane	13.39	117	148516	24.20	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	289266	22.44	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24463	21.53	ug/l	91

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

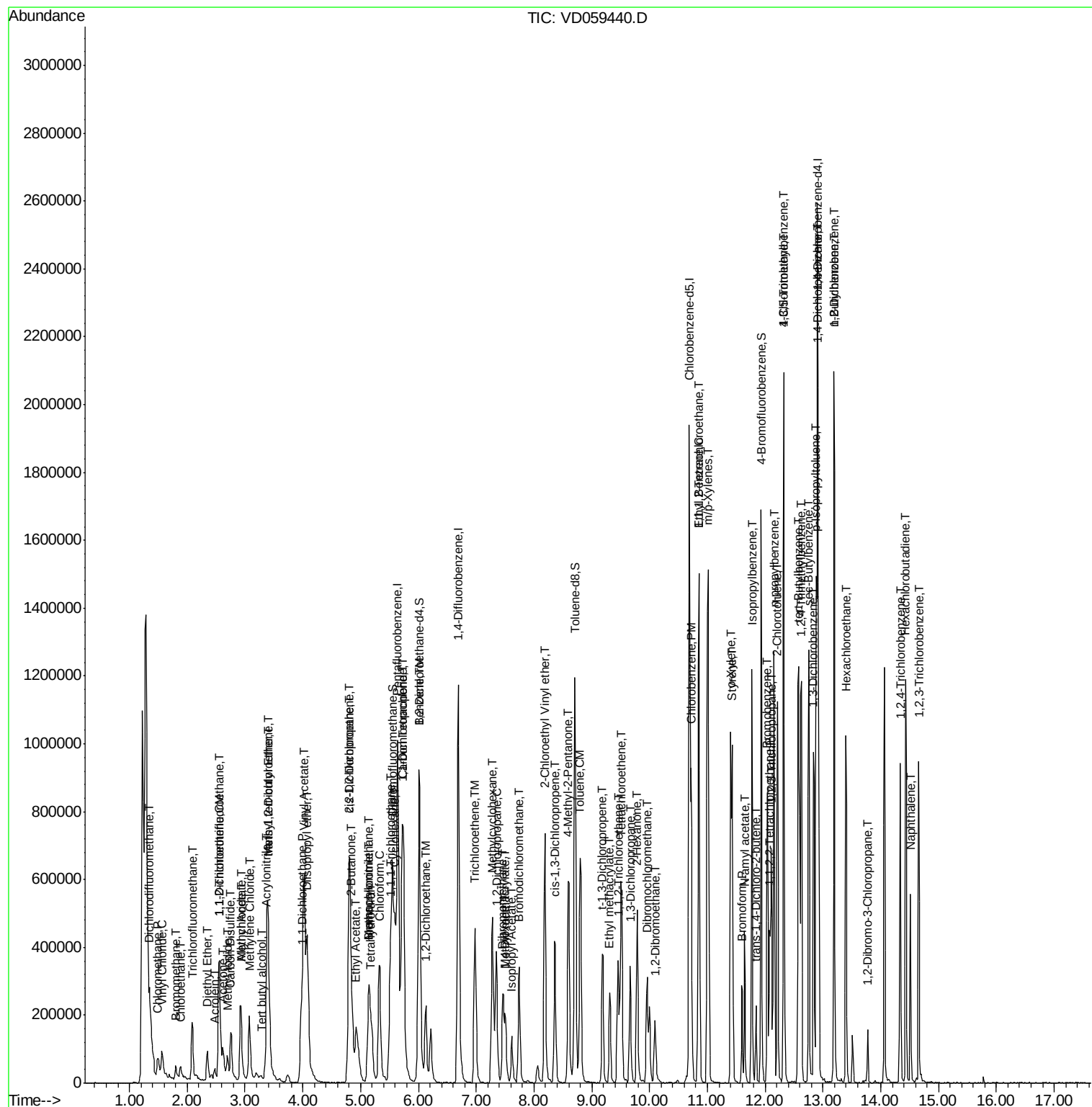
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	267208	22.42	ug/l	94
94) Hexachlorobutadiene	14.43	225	213624	23.82	ug/l	97
95) Naphthalene	14.52	128	362848	21.84	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	223945	20.89	ug/l	97

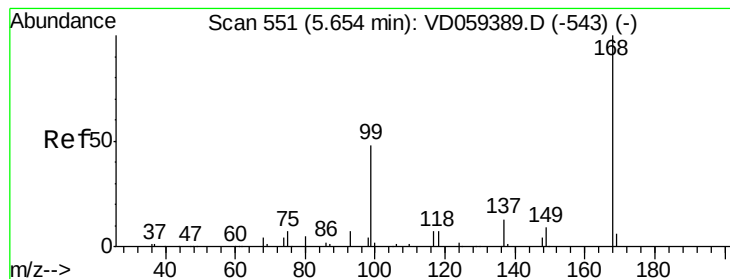
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 27 15:05:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

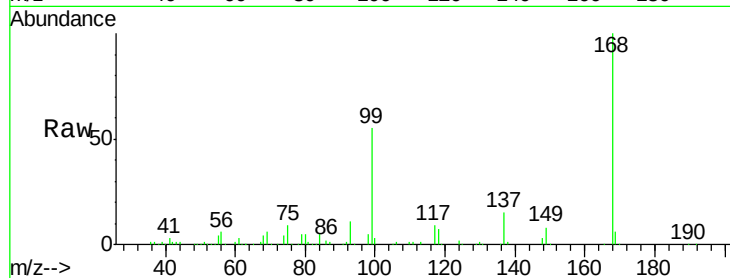
VD0627SBS01

Tot Ion:168 Resp: 978570

Ion Ratio Lower Upper

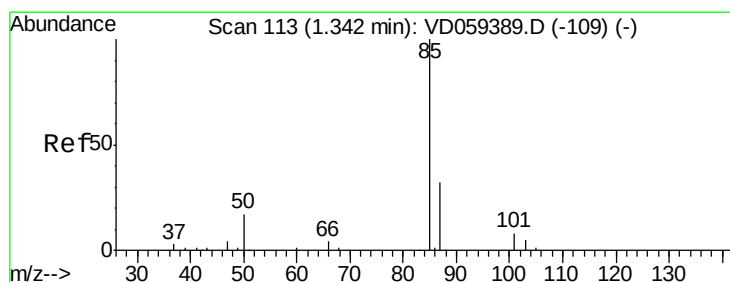
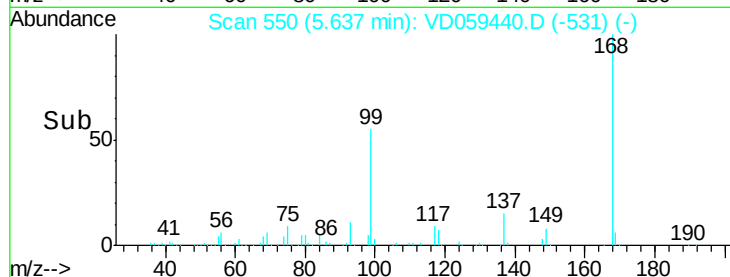
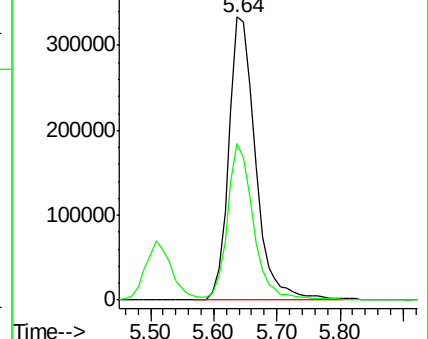
168 100

99 55.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 25.55 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059440.D

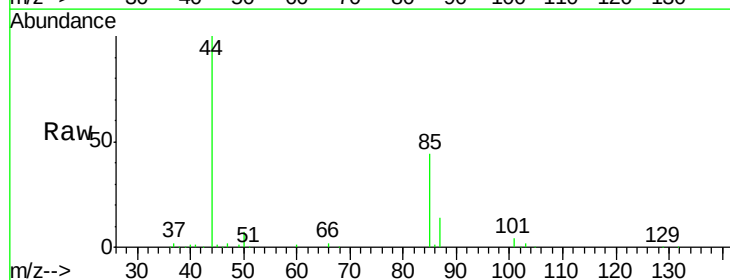
Acq: 27 Jun 2018 13:09

Tgt Ion: 85 Resp: 222456

Ion Ratio Lower Upper

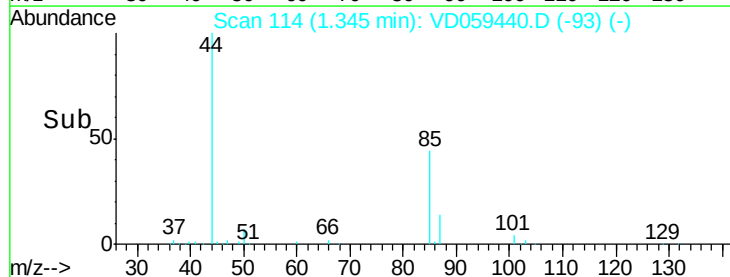
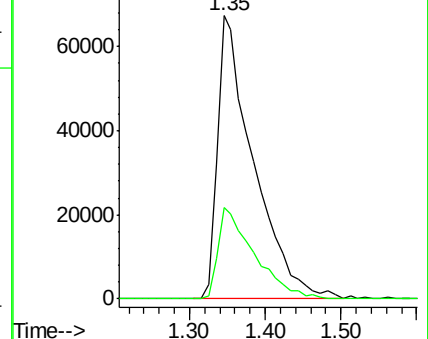
85 100

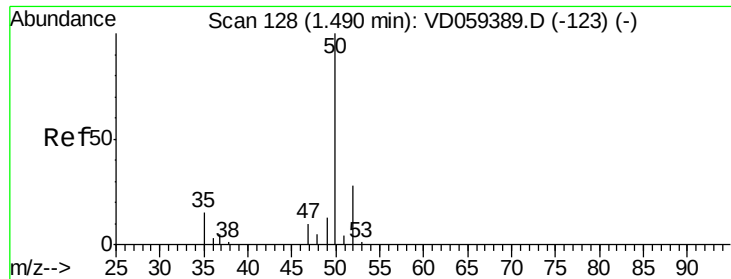
87 32.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.06 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

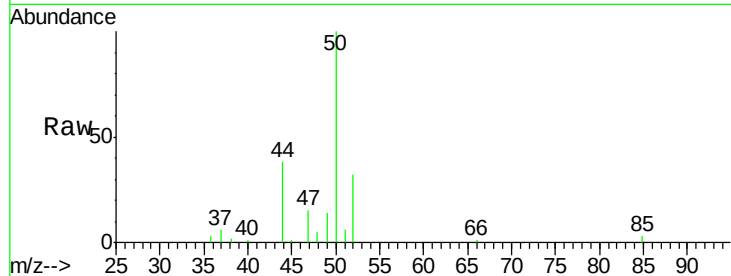
VD0627SBS01

Tot Ion: 50 Resp: 108985

Ion Ratio Lower Upper

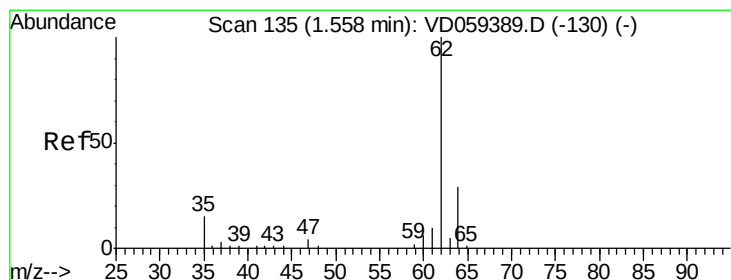
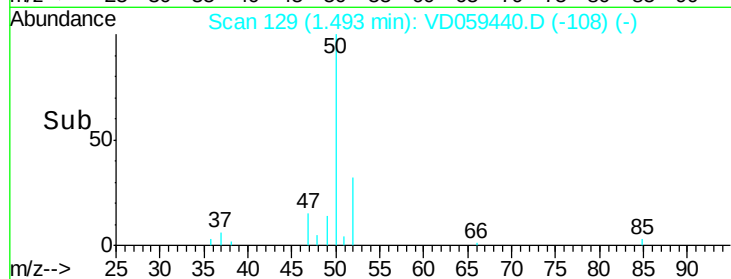
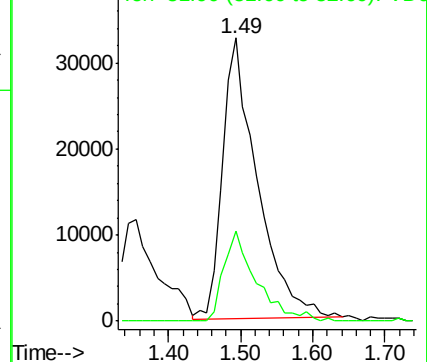
50 100

52 31.8 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.51 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059440.D

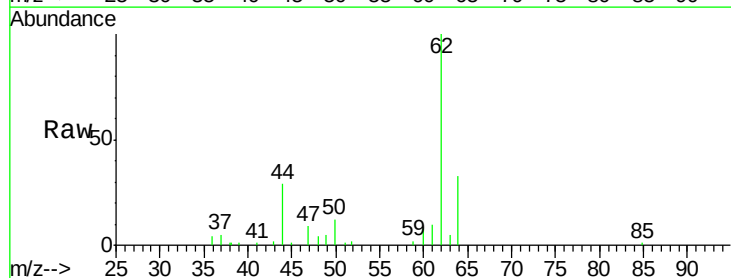
Acq: 27 Jun 2018 13:09

Tgt Ion: 62 Resp: 105791

Ion Ratio Lower Upper

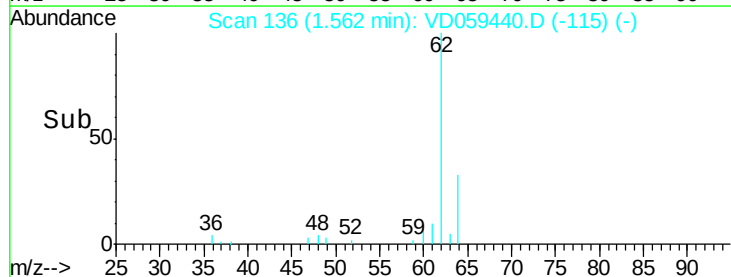
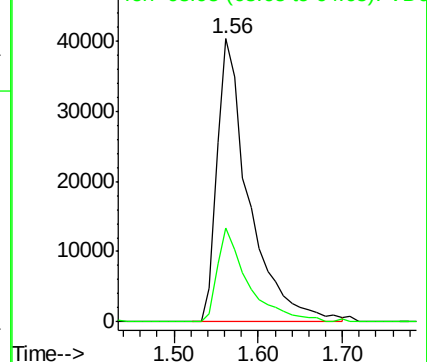
62 100

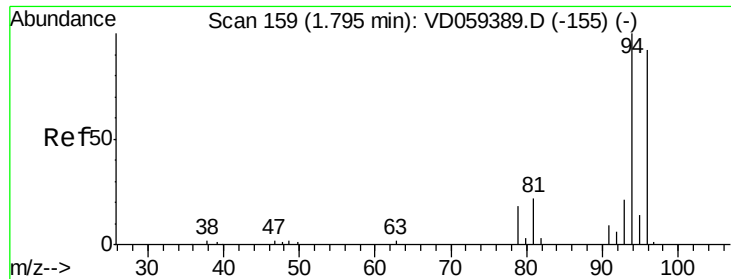
64 33.1 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

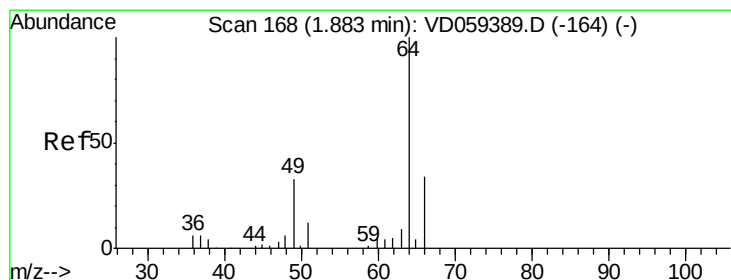
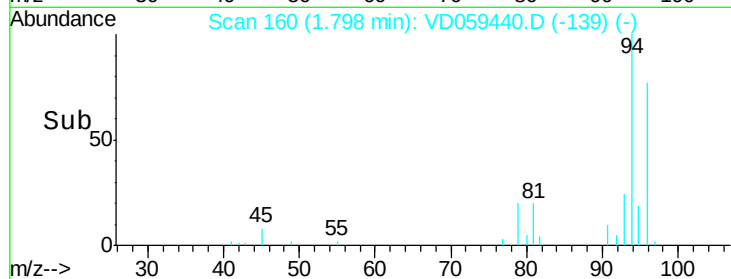
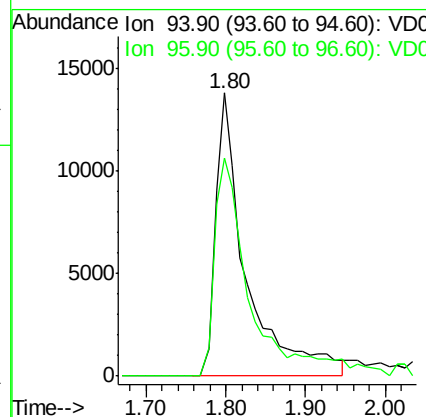
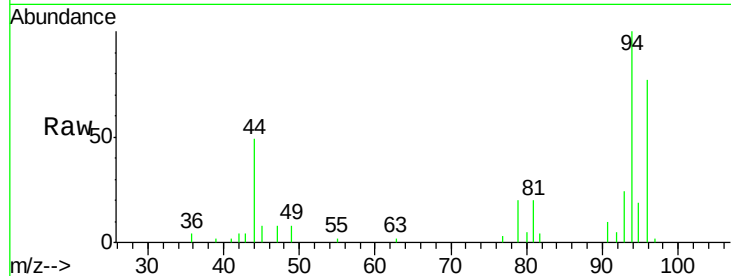




#5
Bromomethane
Concen: 21.03 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.00 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

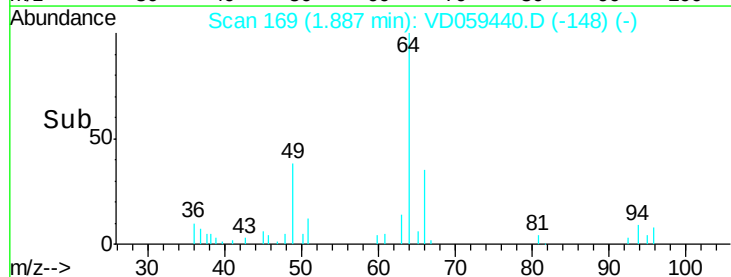
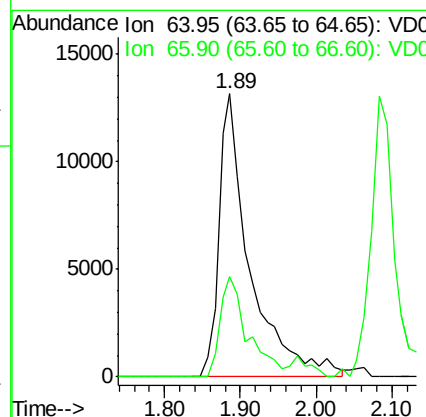
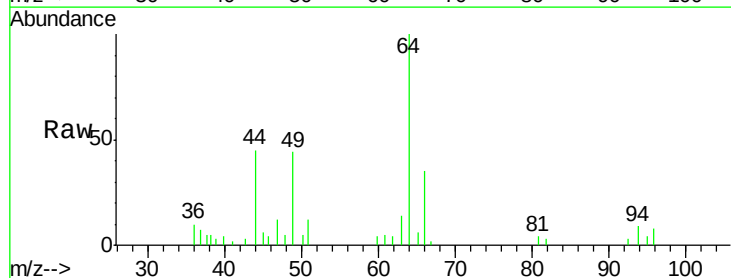
Instrument :
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VD0627SBS01

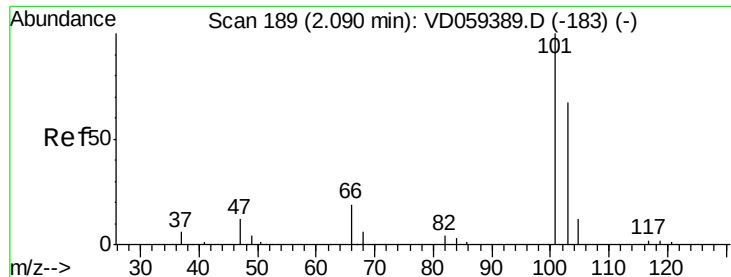
Tot Ion: 94 Resp: 36852
Ion Ratio Lower Upper
94 100
96 77.1 73.4 110.0



#6
Chloroethane
Concen: 17.37 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.00 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 64 Resp: 37419
Ion Ratio Lower Upper
64 100
66 35.3 27.1 40.7



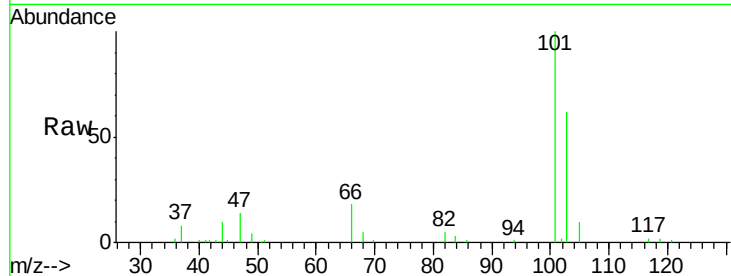


#7

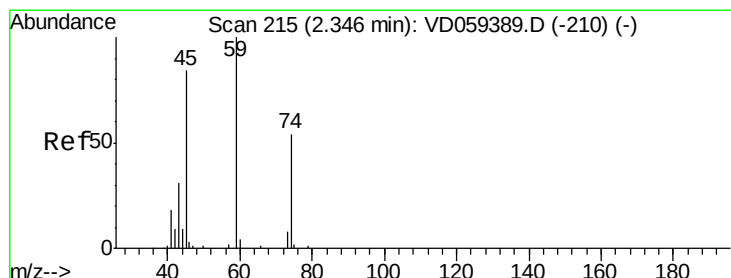
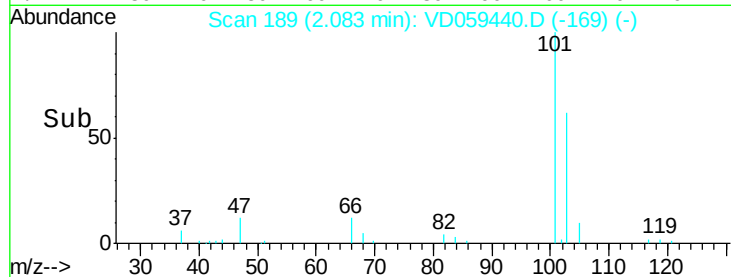
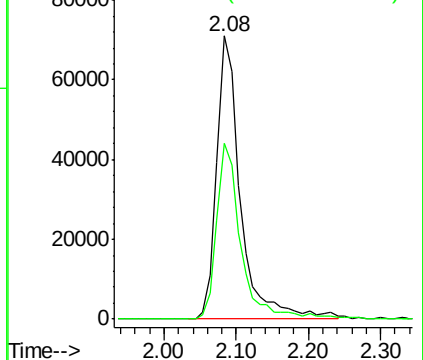
Trichlorofluoromethane
Concen: 23.84 ug/l
RT: 2.08 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion:101 Resp: 161544
Ion Ratio Lower Upper
101 100
103 62.2 53.4 80.0



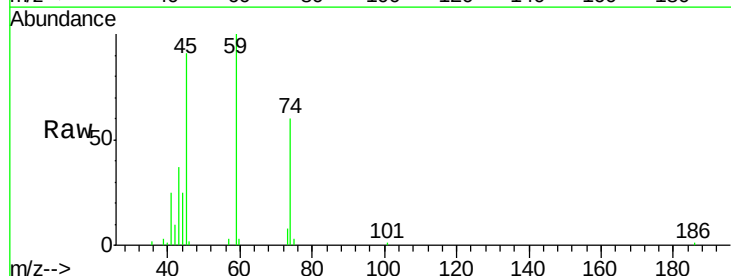
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



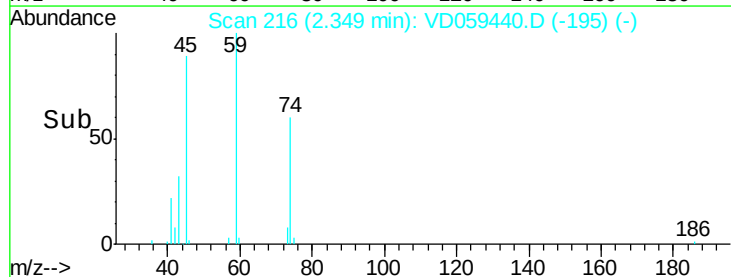
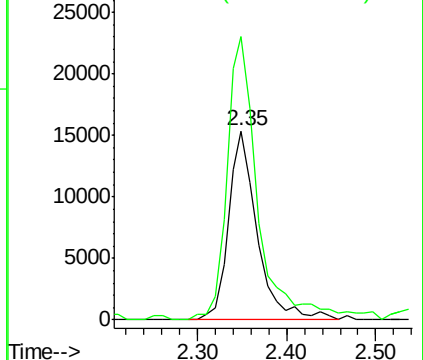
#8

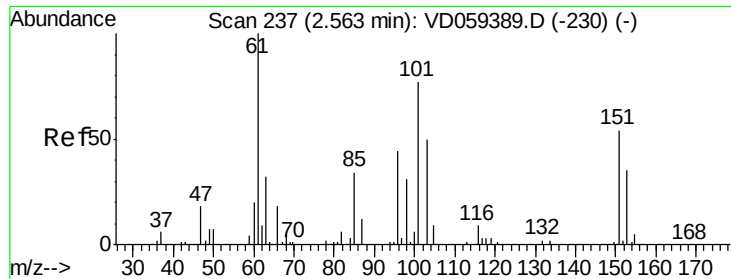
Diethyl Ether
Concen: 22.62 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 74 Resp: 34691
Ion Ratio Lower Upper
74 100
45 149.9 78.0 233.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.12 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

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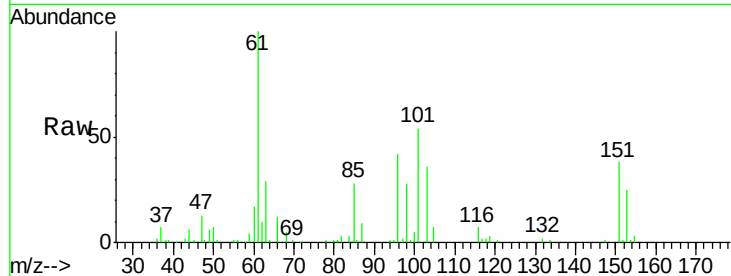
Tot Ion:101 Resp: 105808

Ion Ratio Lower Upper

101 100

85 51.3 35.7 53.5

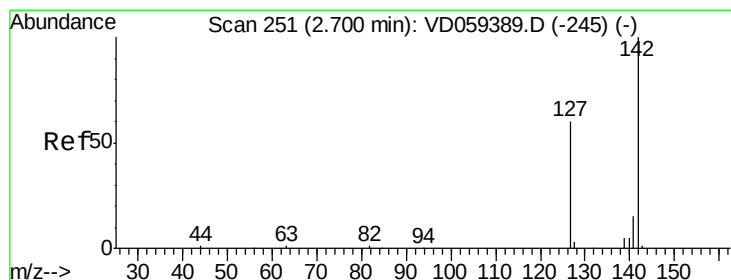
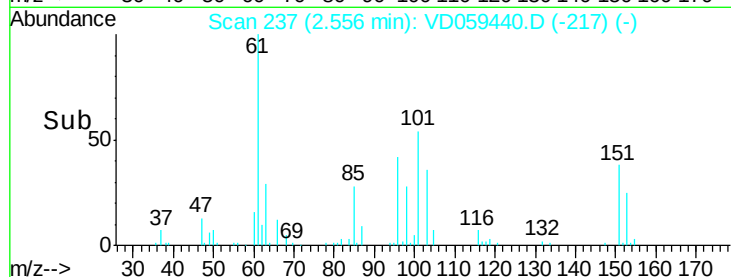
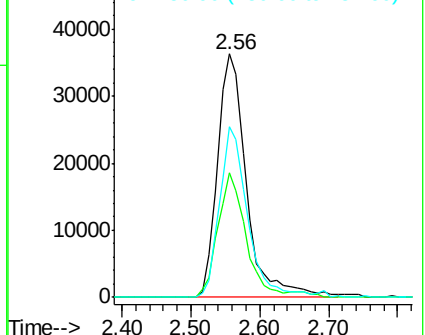
151 70.0 55.8 83.8



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: 20.76 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

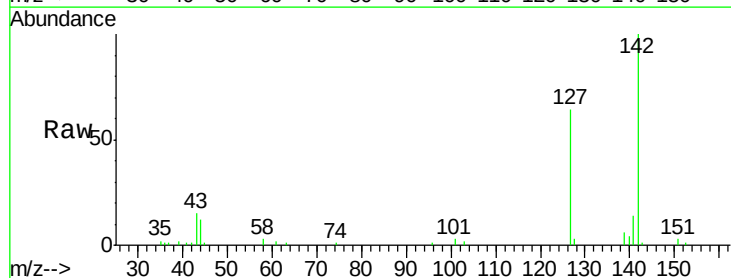
Tgt Ion:142 Resp: 102107

Ion Ratio Lower Upper

142 100

127 64.4 48.4 72.6

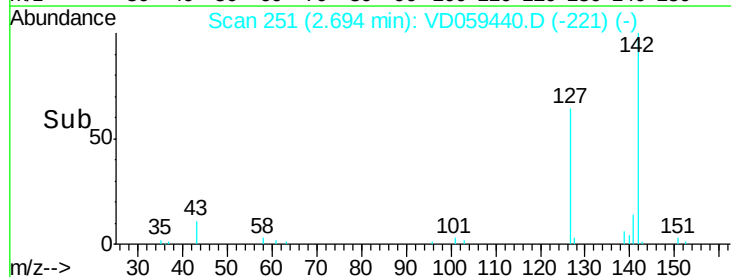
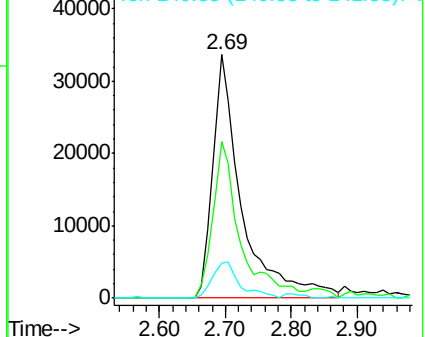
141 14.4 12.1 18.1

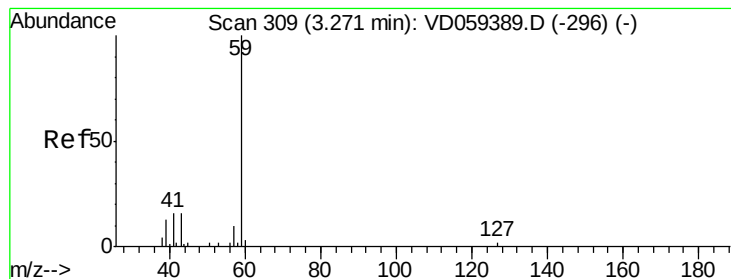


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 85.18 ug/l

RT: 3.28 min Scan# 311

Delta R.T. 0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

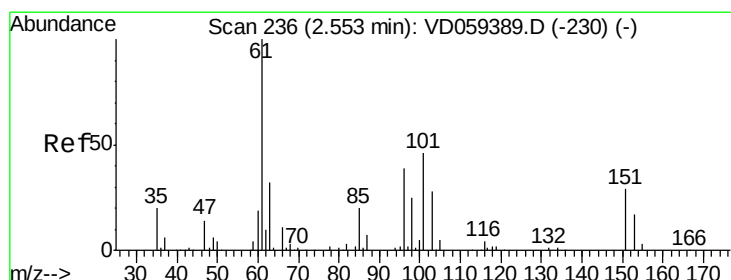
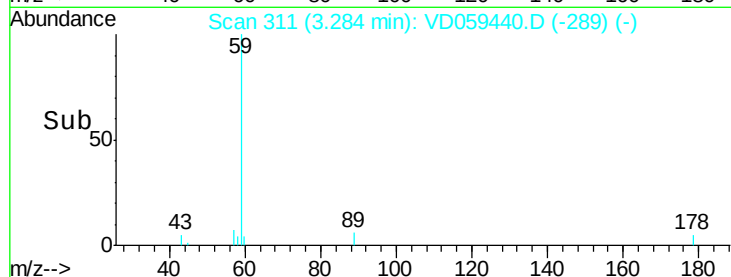
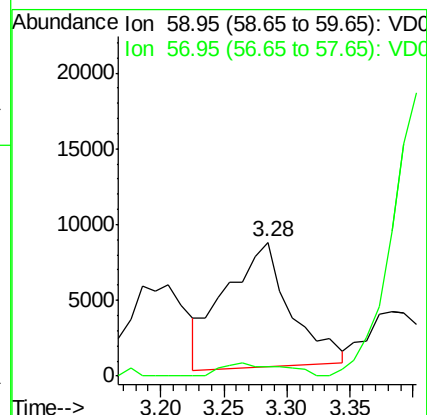
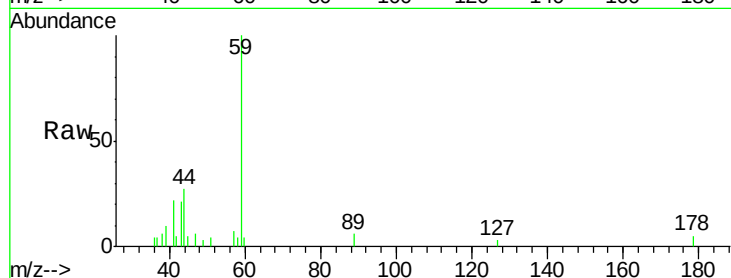
VD0627SBS01

Tot Ion: 59 Resp: 29489

Ion Ratio Lower Upper

59 100

57 6.8 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 25.22 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

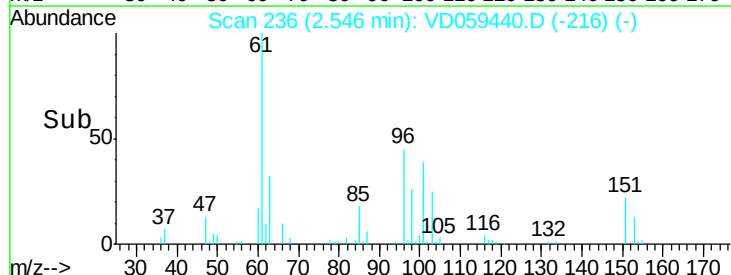
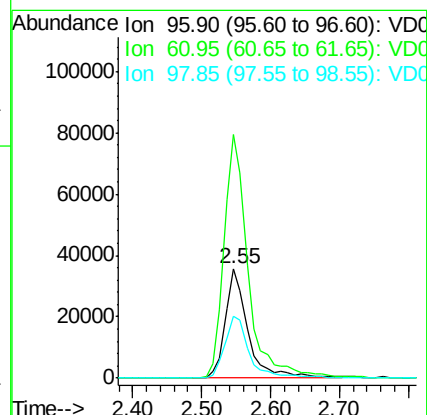
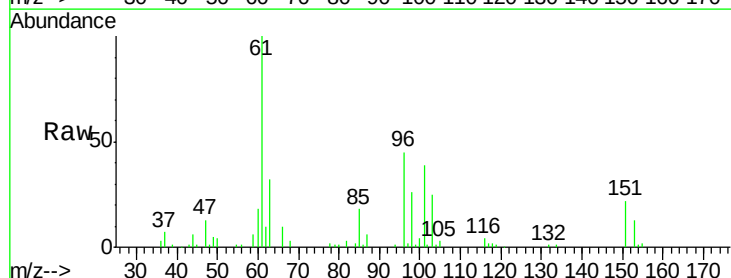
Tgt Ion: 96 Resp: 81309

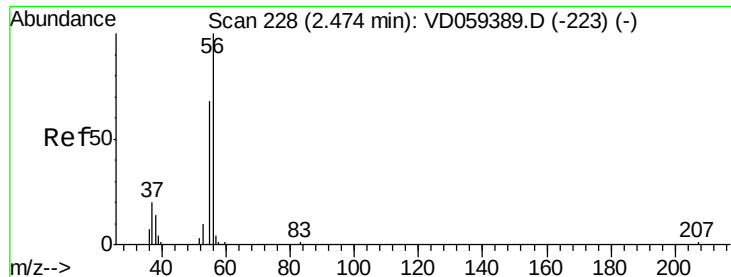
Ion Ratio Lower Upper

96 100

61 222.8 205.4 308.0

98 56.9 51.0 76.4





#13

Acrolein

Concen: 121.16 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

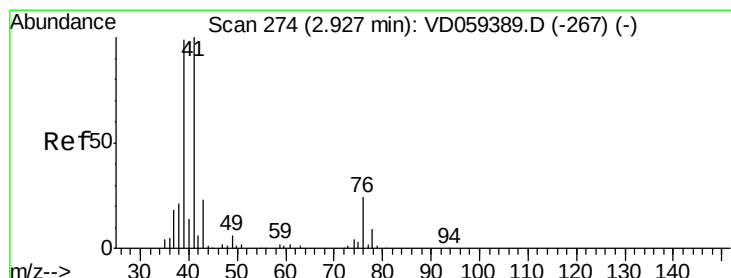
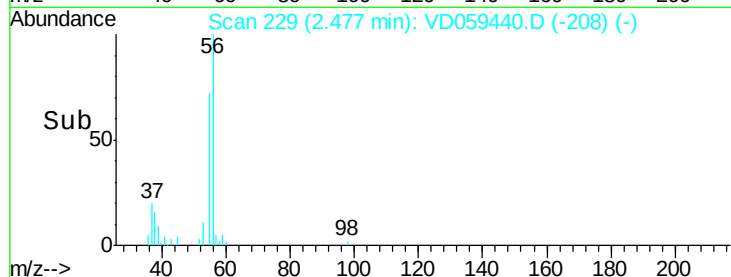
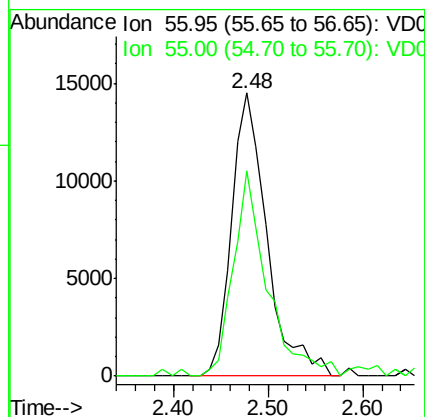
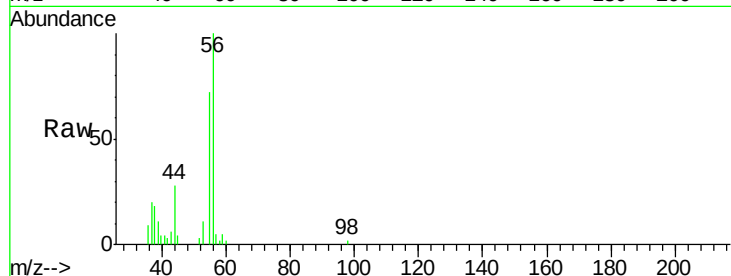
VD0627SBS01

Tot Ion: 56 Resp: 37499

Ion Ratio Lower Upper

56 100

55 72.3 54.6 82.0



#14

Allyl chloride

Concen: 22.73 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

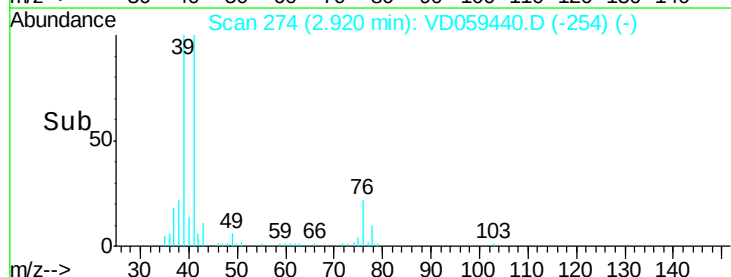
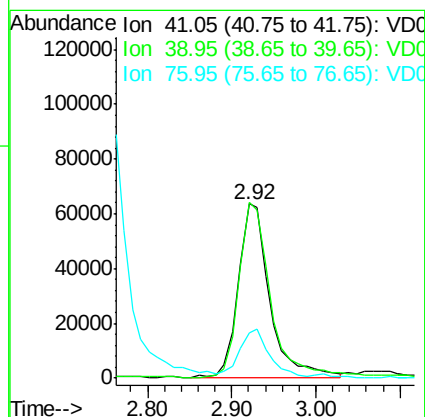
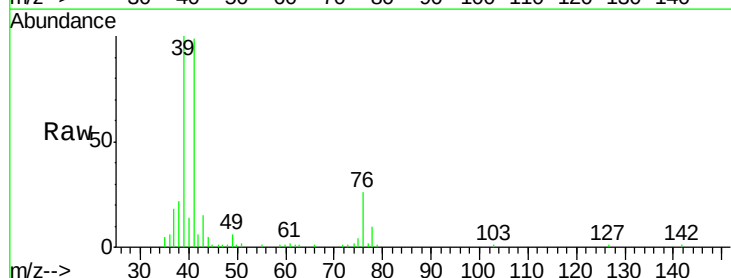
Tgt Ion: 41 Resp: 167787

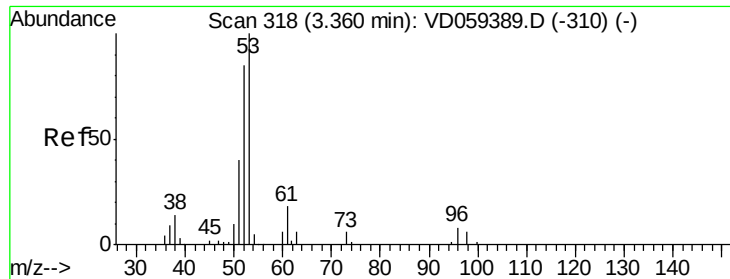
Ion Ratio Lower Upper

41 100

39 100.6 79.1 118.7

76 26.3 21.9 32.9





#15

Acrylonitrile

Concen: 131.39 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

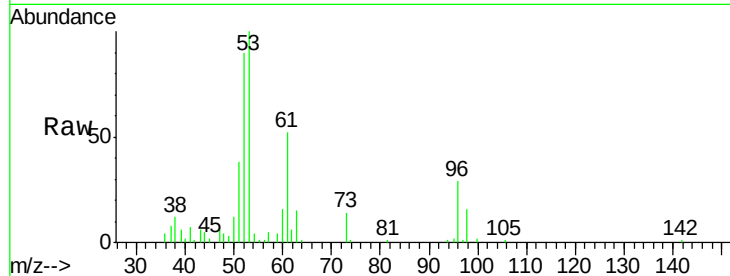
Tot Ion: 53 Resp: 139603

Ion Ratio Lower Upper

53 100

52 90.1 67.9 101.9

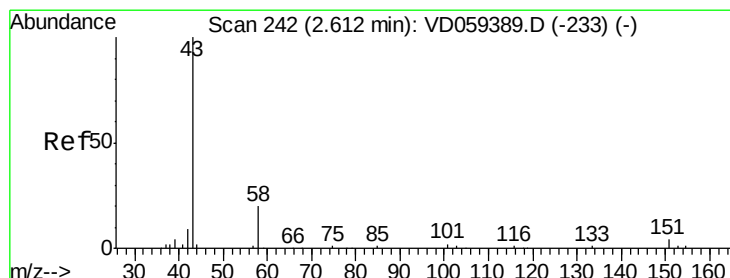
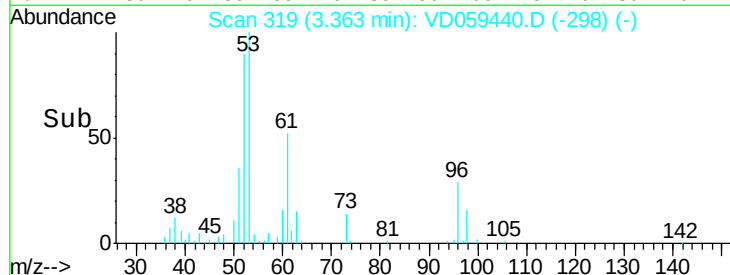
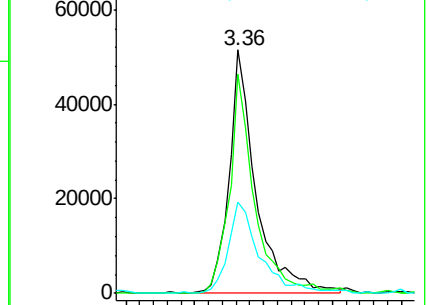
51 37.6 32.2 48.4



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: 129.13 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059440.D

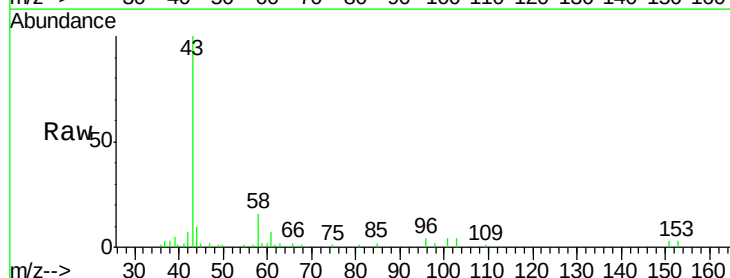
Acq: 27 Jun 2018 13:09

Tgt Ion: 43 Resp: 163086

Ion Ratio Lower Upper

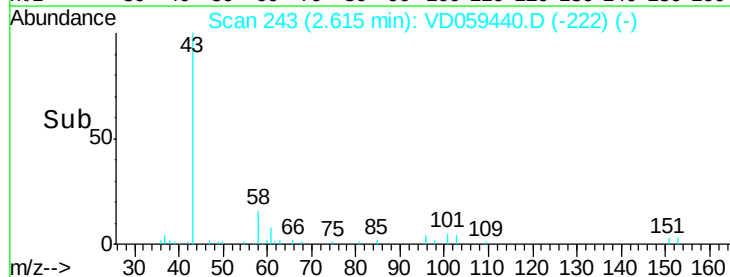
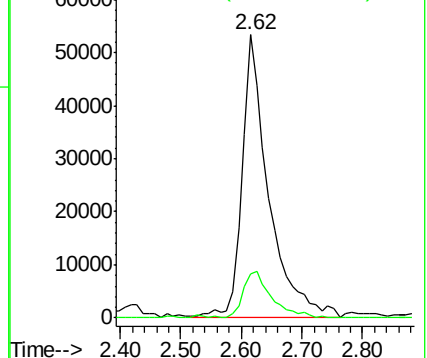
43 100

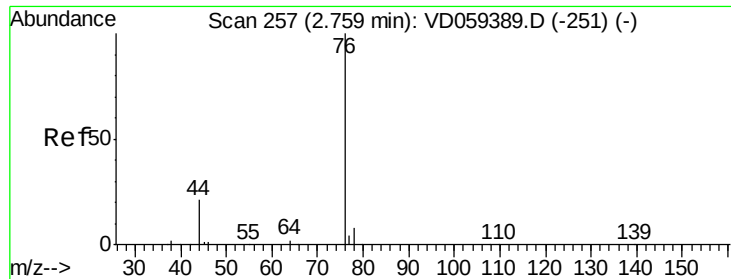
58 15.5 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

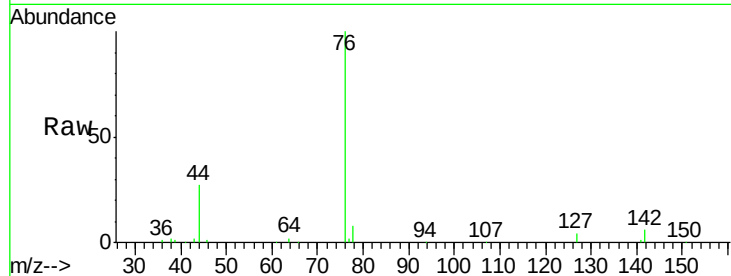




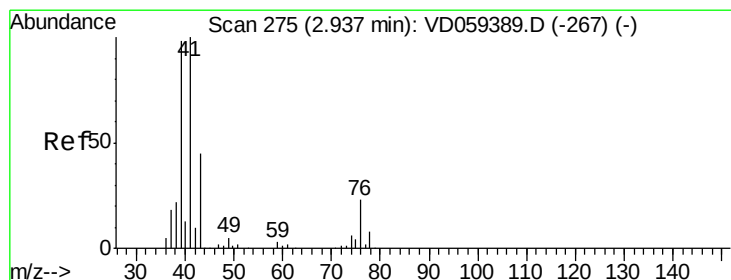
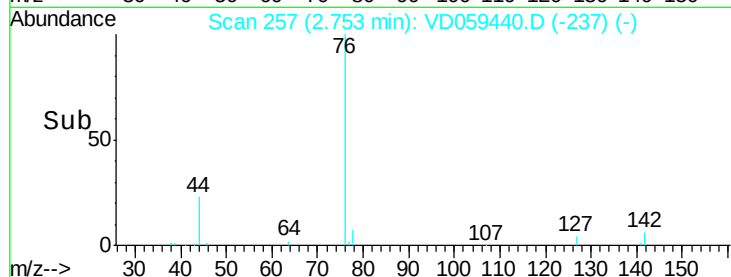
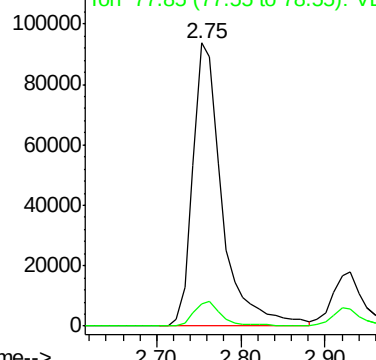
#17
Carbon Disulfide
Concen: 22.94 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion: 76 Resp: 226571
Ion Ratio Lower Upper
76 100
78 8.0 6.6 9.8

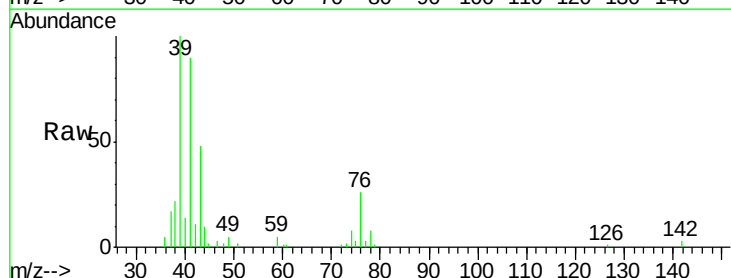


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

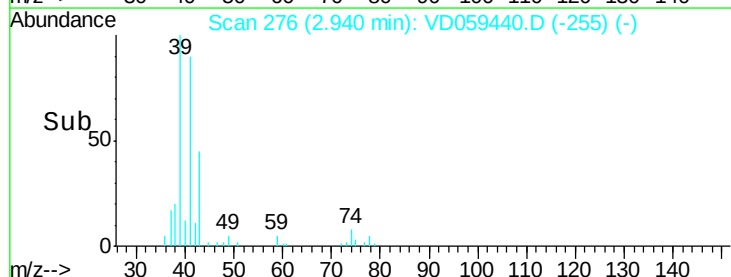
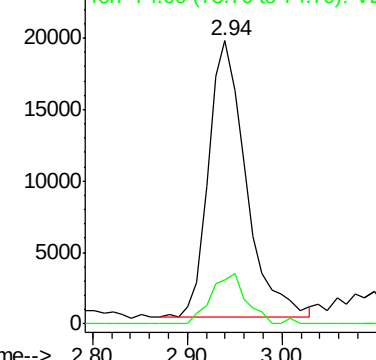


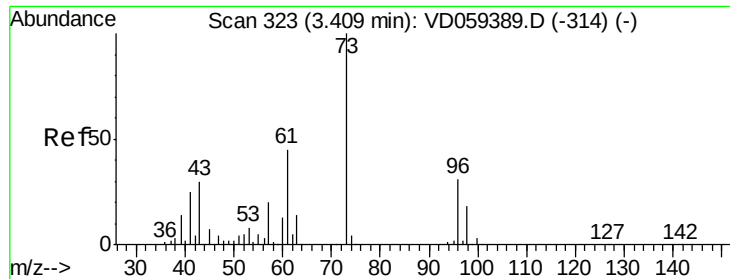
#18
Methyl Acetate
Concen: 17.85 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 43 Resp: 53032
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

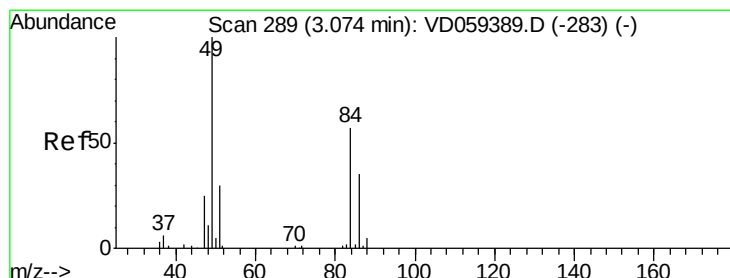
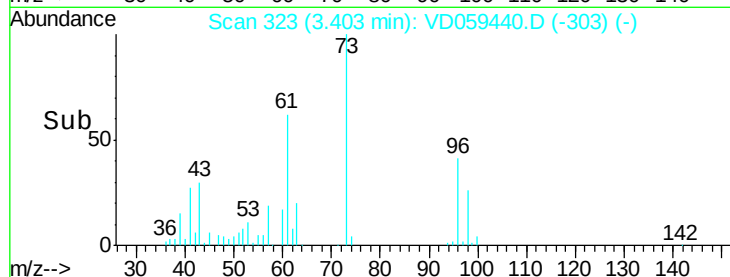
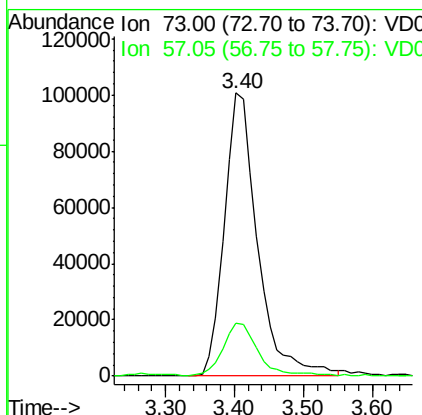
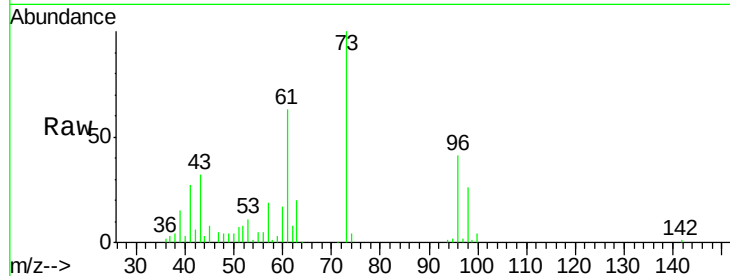




#19
Methyl tert-butyl Ether
Concen: 21.20 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

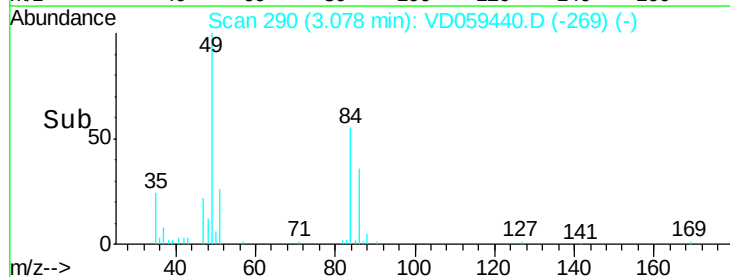
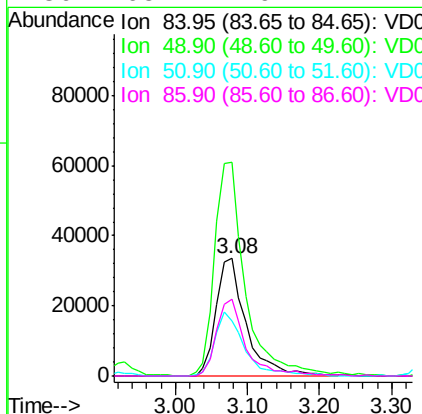
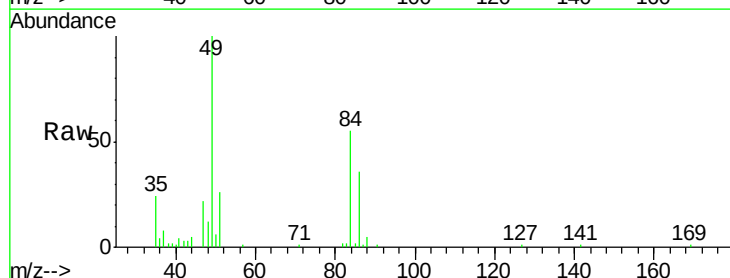
Instrument :
MSVOA_D
ClientSampleID :
VD0627SBS01

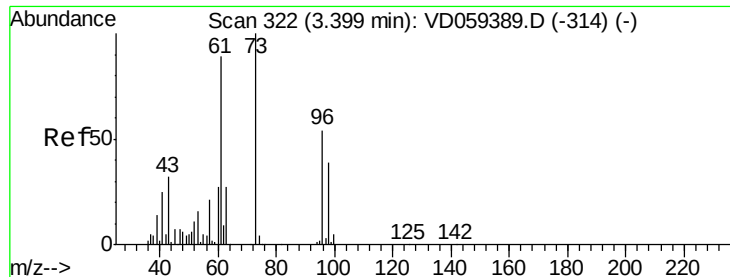
Tot Ion: 73 Resp: 336524
Ion Ratio Lower Upper
73 100
57 18.6 16.1 24.1



#20
Methylene Chloride
Concen: 26.52 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 84 Resp: 96988
Ion Ratio Lower Upper
84 100
49 181.6 140.3 210.5
51 46.3 41.6 62.4
86 65.1 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 27.94 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

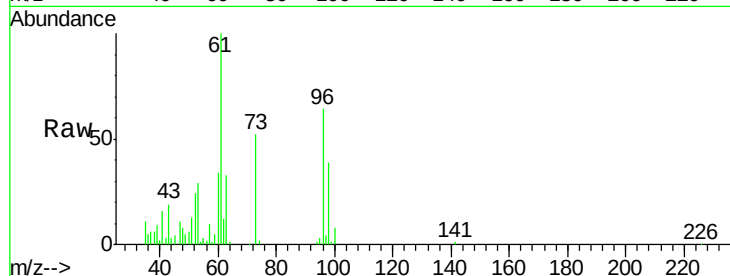
Tot Ion: 96 Resp: 159275

Ion Ratio Lower Upper

96 100

61 155.4 131.0 196.4

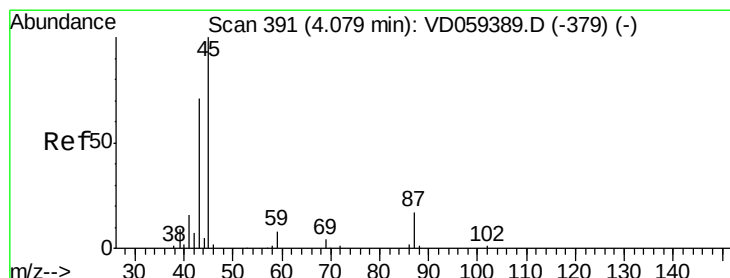
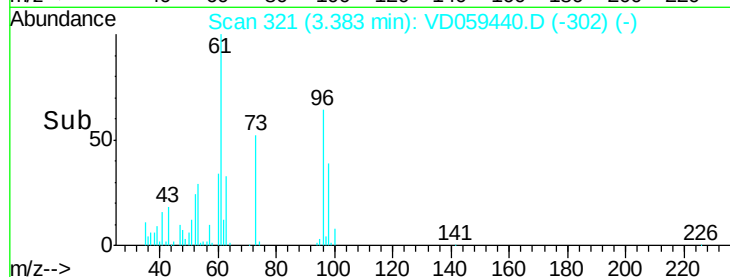
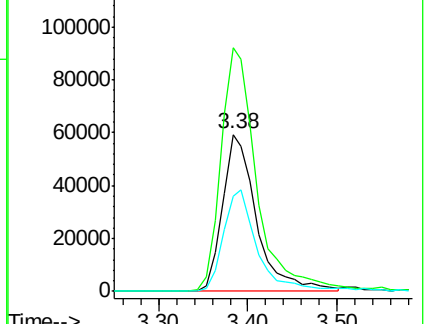
98 60.5 56.8 85.2



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: 22.08 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Tgt Ion: 45 Resp: 613117

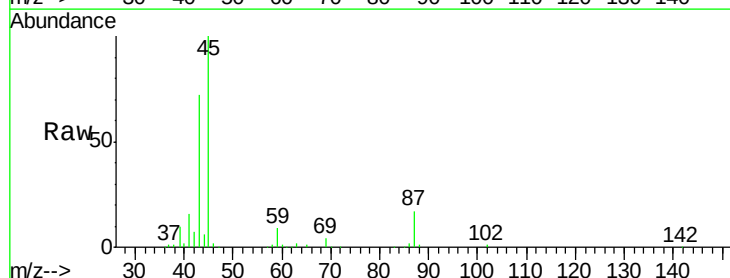
Ion Ratio Lower Upper

45 100

43 71.9 56.9 85.3

87 16.6 14.2 21.4

59 9.2 7.0 10.4

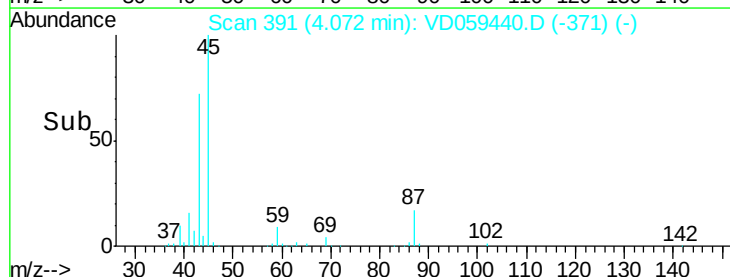
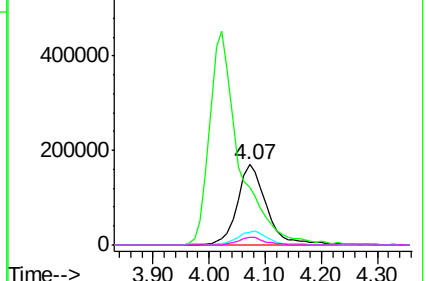


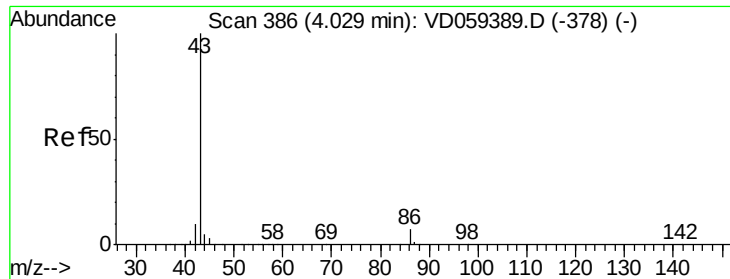
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 115.63 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

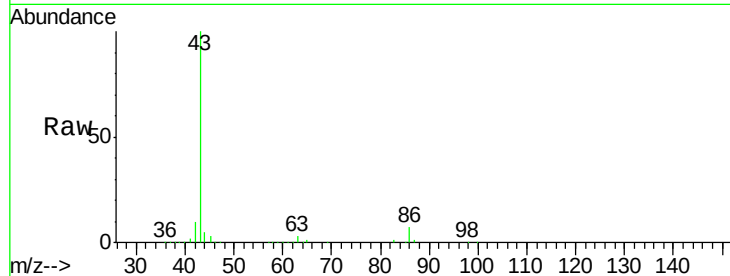
VD0627SBS01

Tot Ion: 43 Resp: 1672901

Ion Ratio Lower Upper

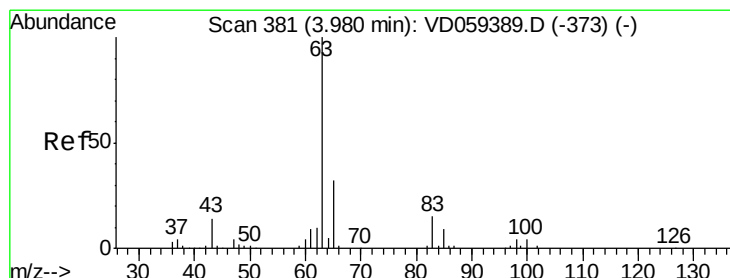
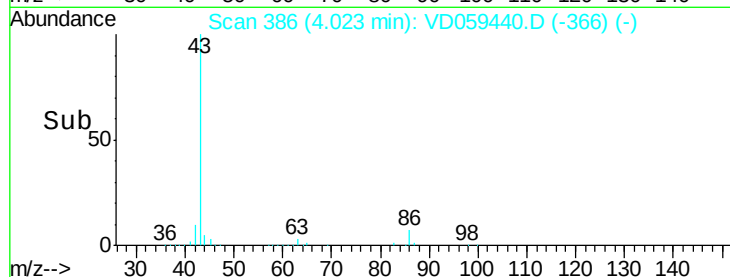
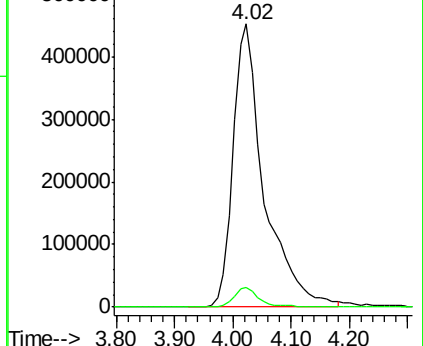
43 100

86 7.0 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.78 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

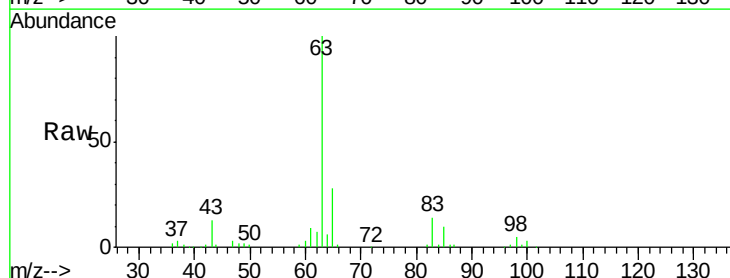
Tgt Ion: 63 Resp: 361933

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

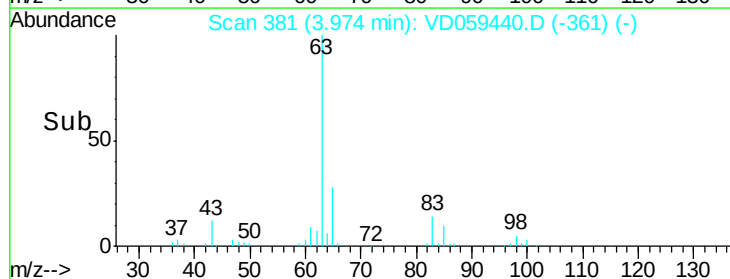
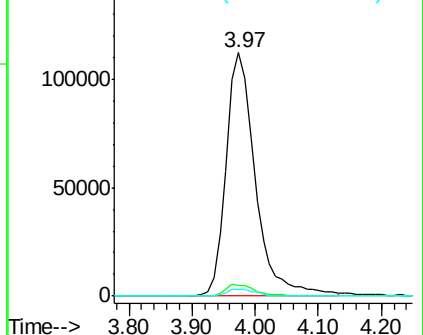
100 2.9 1.8 5.5

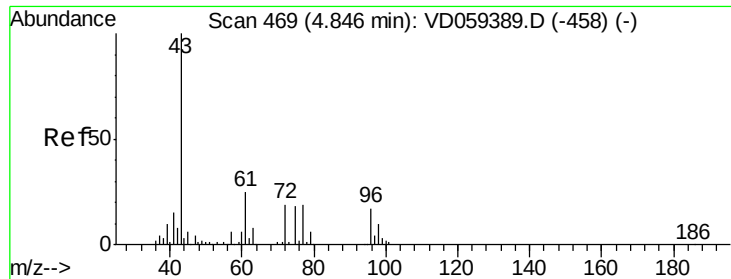


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.55 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

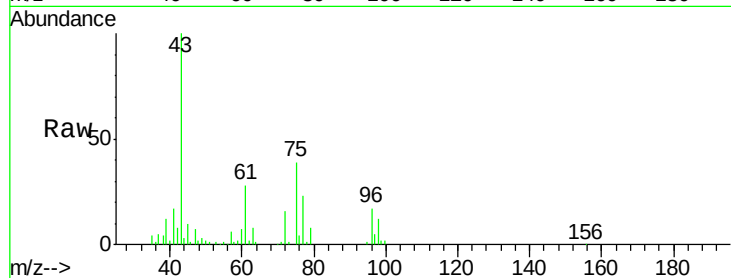
VD0627SBS01

Tot Ion: 43 Resp: 276625

Ion Ratio Lower Upper

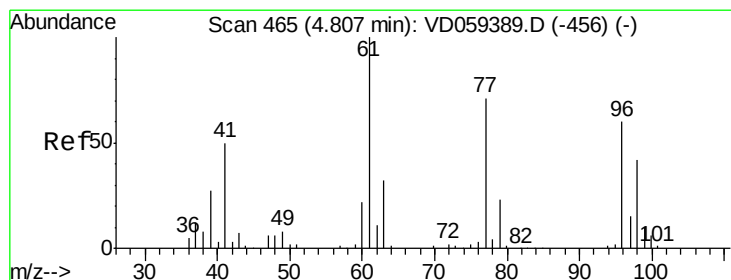
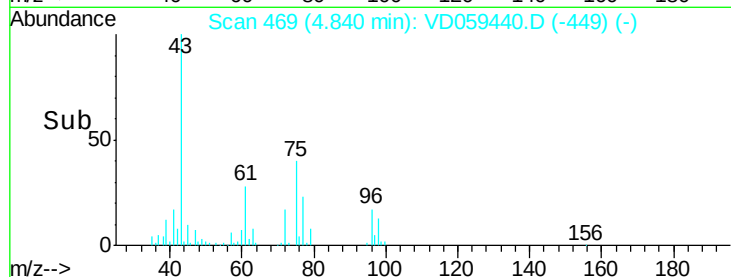
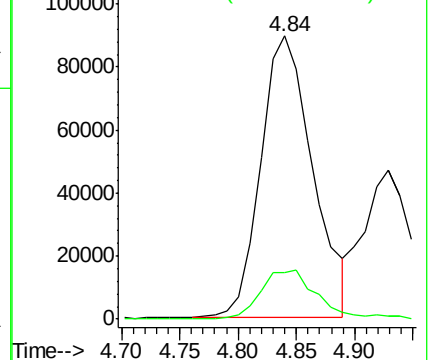
43 100

72 16.4 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 25.81 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059440.D

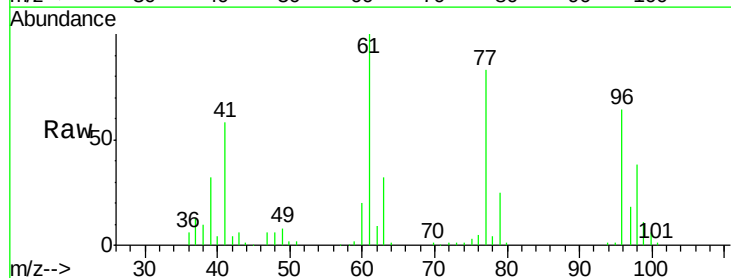
Acq: 27 Jun 2018 13:09

Tgt Ion: 77 Resp: 318008

Ion Ratio Lower Upper

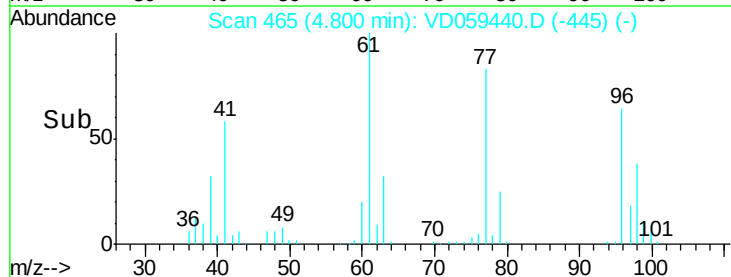
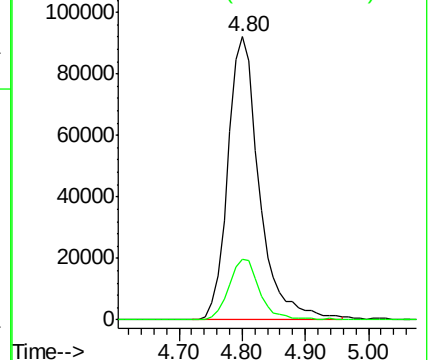
77 100

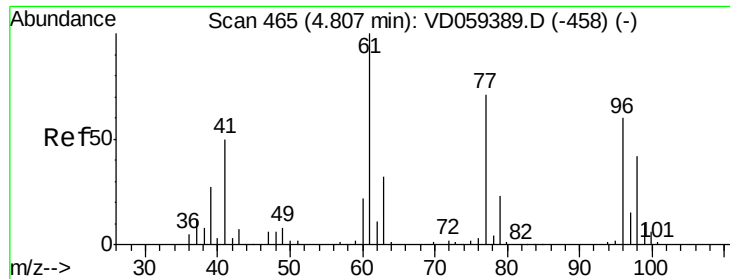
97 21.4 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 21.49 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

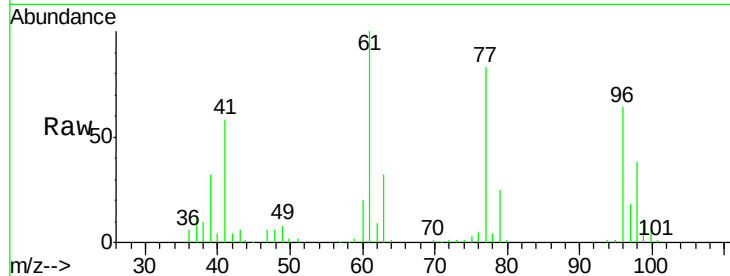
Tot Ion: 96 Resp: 205925

Ion Ratio Lower Upper

96 100

61 156.6 0.0 335.8

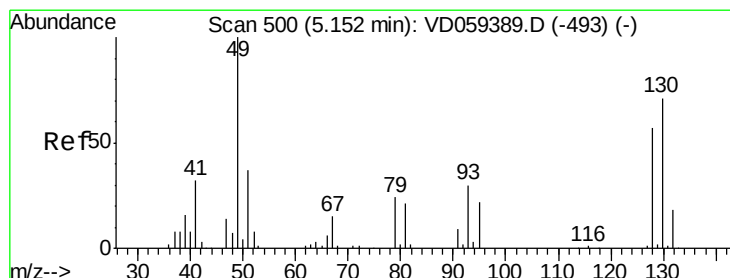
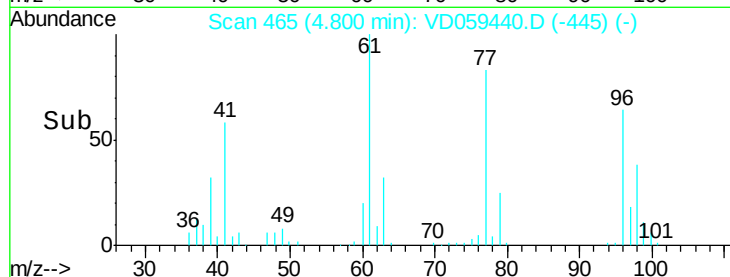
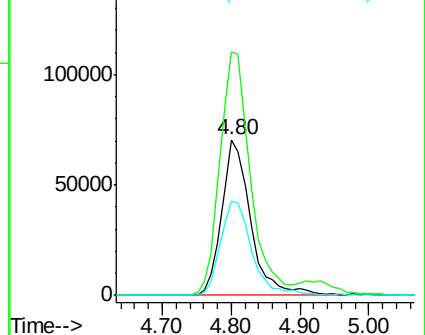
98 60.0 0.0 141.0



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: 20.68 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

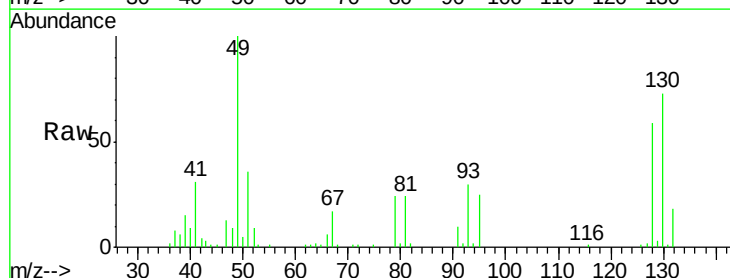
Tgt Ion: 49 Resp: 142455

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.4

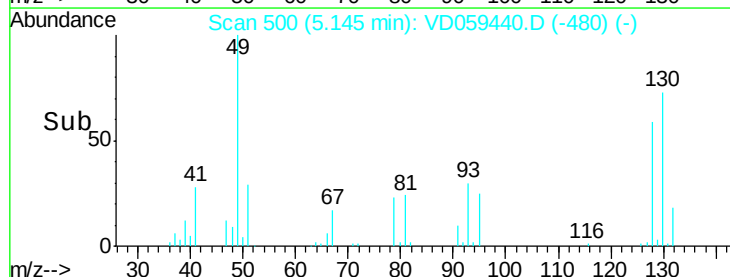
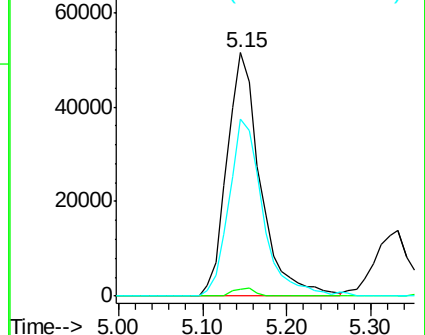
130 72.8 57.0 85.6

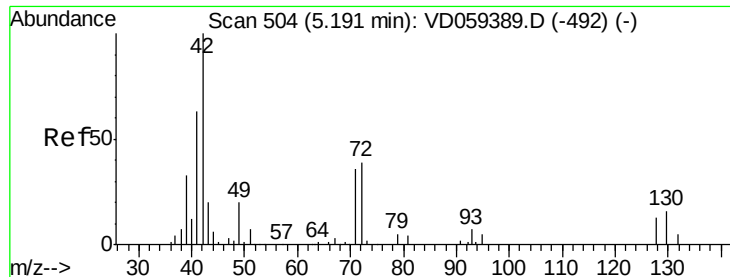


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

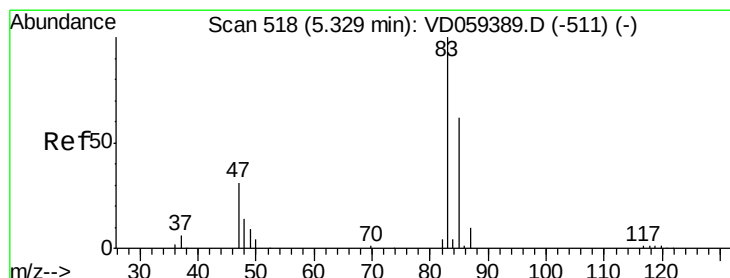
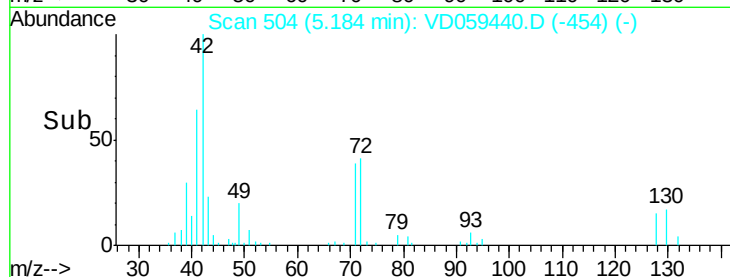
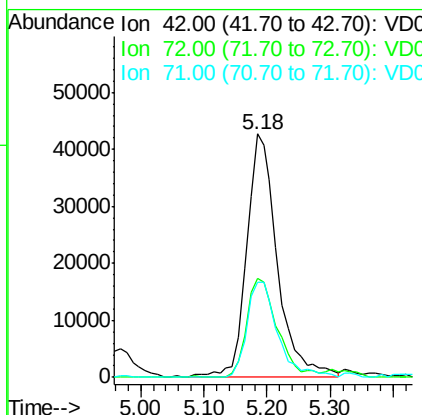
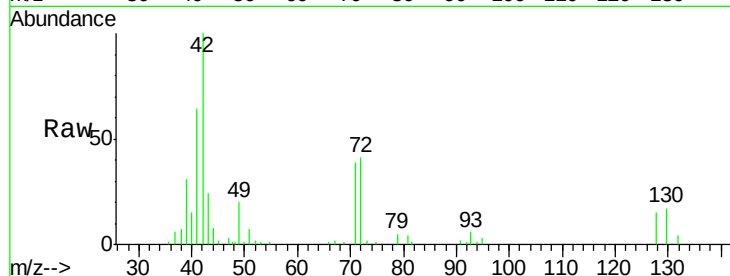




#29
Tetrahydrofuran
Concen: 100.14 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

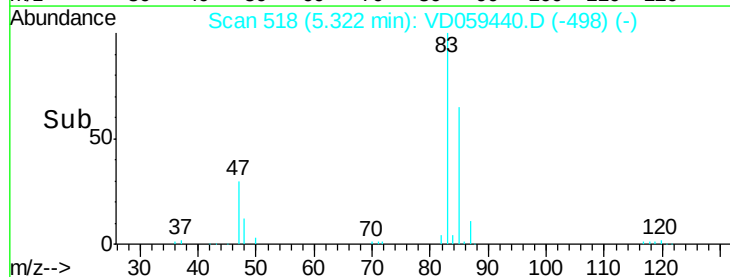
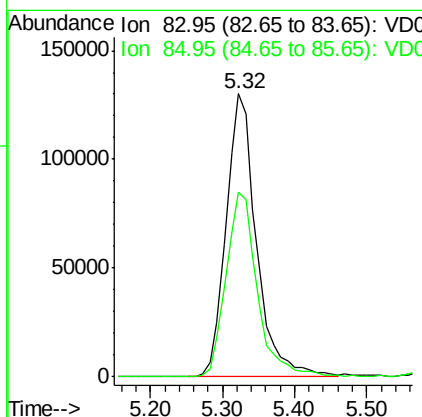
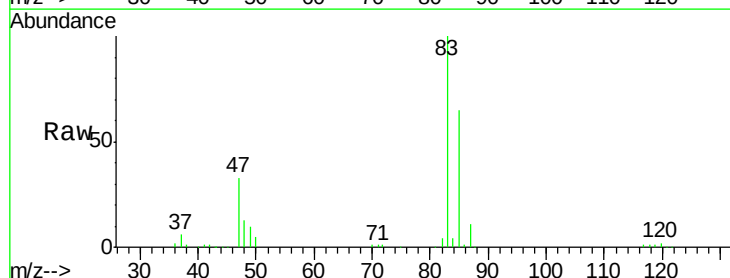
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

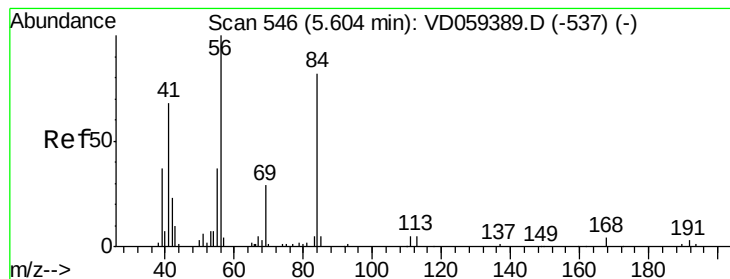
Tot Ion: 42 Resp: 144921
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.2
71 39.1 29.7 44.5



#30
Chloroform
Concen: 22.00 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 83 Resp: 381059
Ion Ratio Lower Upper
83 100
85 65.4 49.3 73.9





#31

Cyclohexane

Concen: 24.83 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

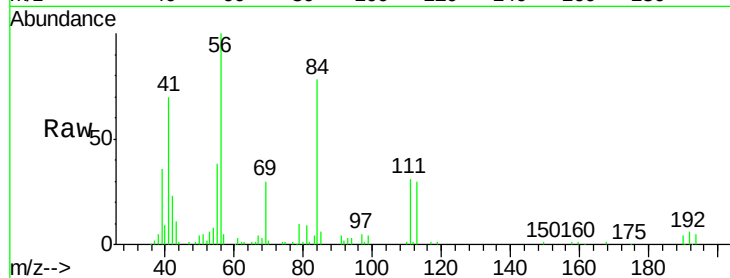
Tot Ion: 56 Resp: 280903

Ion Ratio Lower Upper

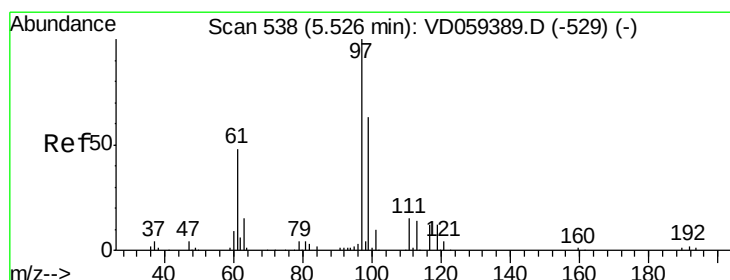
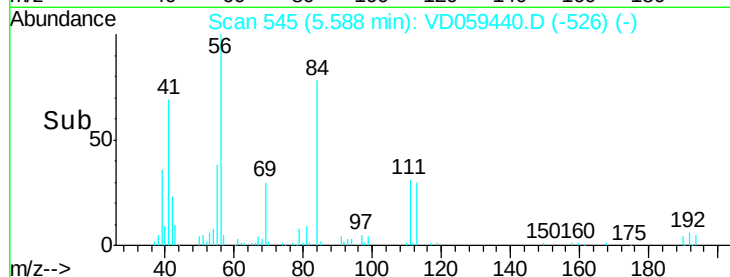
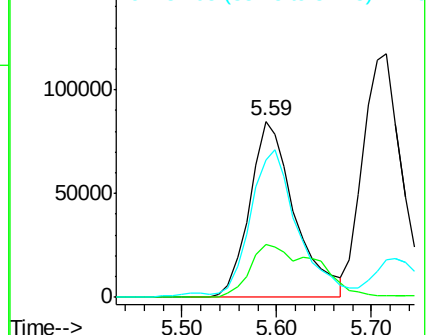
56 100

69 30.3 22.9 34.3

84 78.1 67.3 100.9



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



#32

1,1,1-Trichloroethane

Concen: 22.92 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.02 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

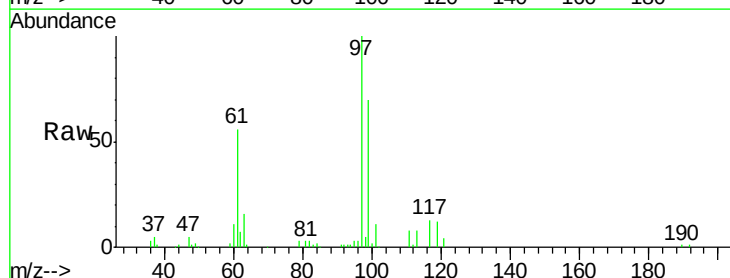
Tgt Ion: 97 Resp: 321467

Ion Ratio Lower Upper

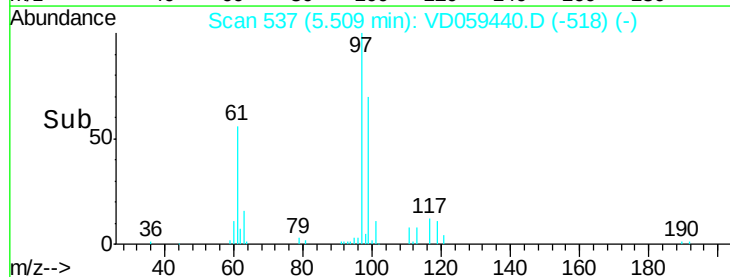
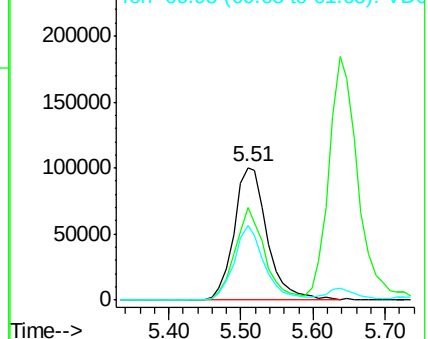
97 100

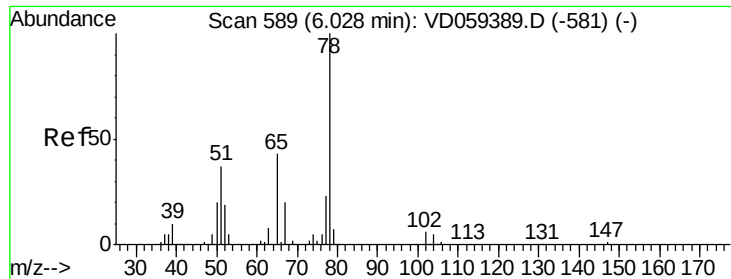
99 70.0 50.2 75.4

61 56.3 38.6 57.8



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

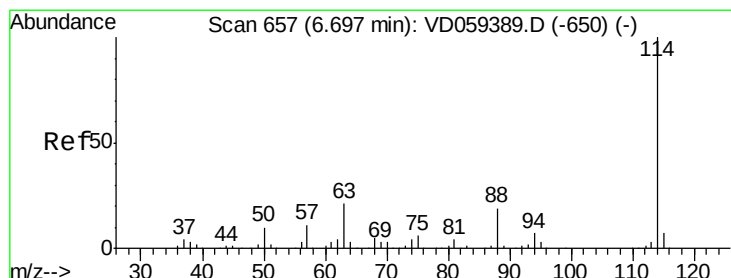
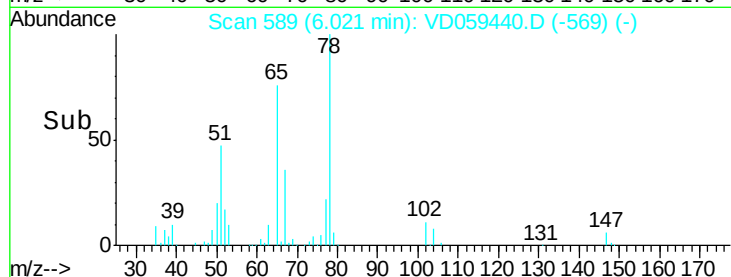
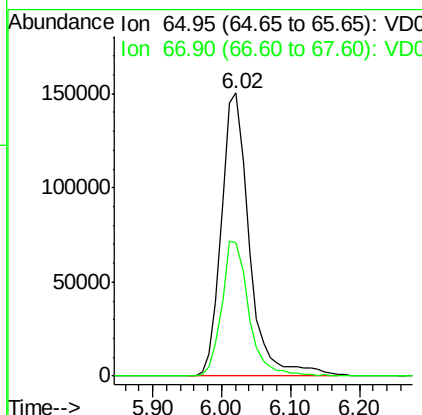
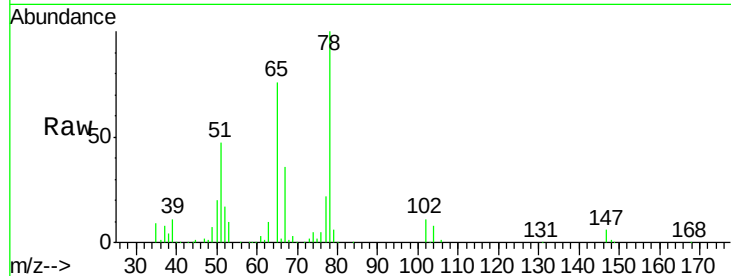




#33
 1,2-Dichloroethane-d4
 Concen: 22.92 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

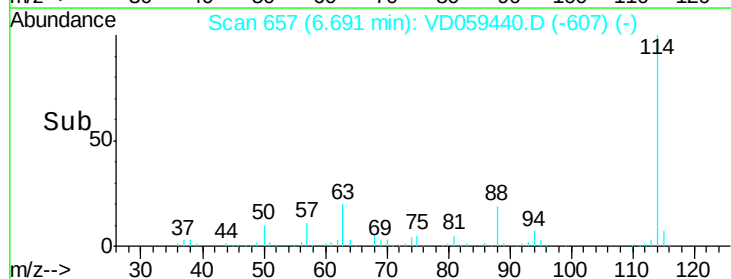
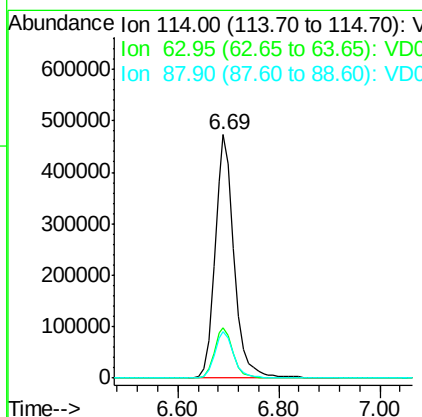
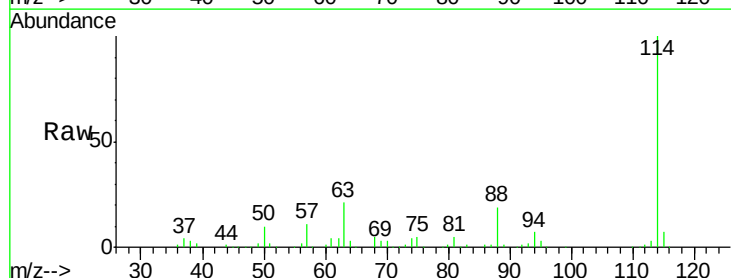
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

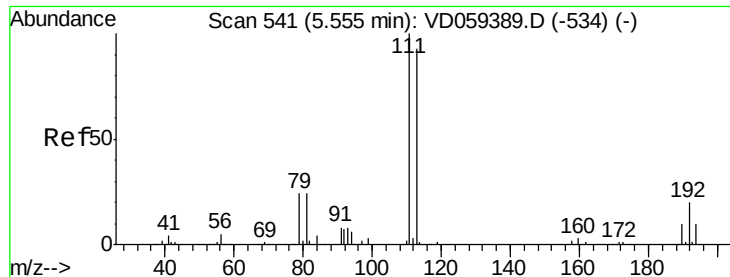
Tot Ion: 65 Resp: 423806
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion: 114 Resp: 1252126
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 19.3 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

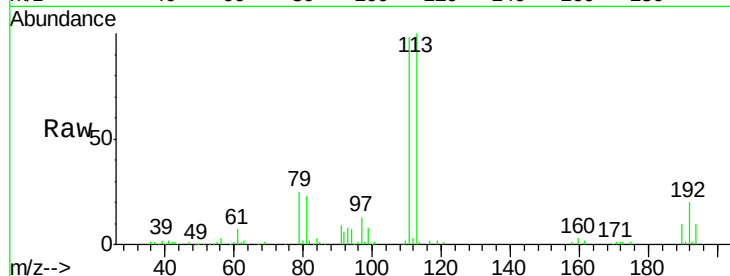
Tot Ion:113 Resp: 462809

Ion Ratio Lower Upper

113 100

111 97.7 85.7 128.5

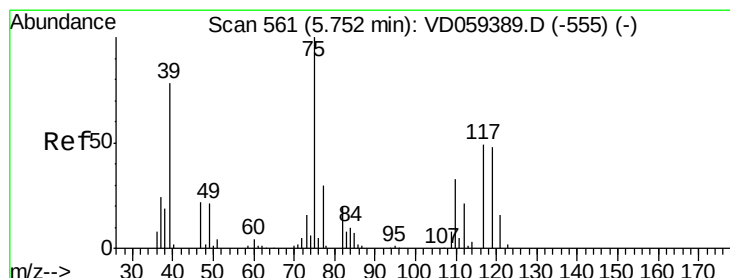
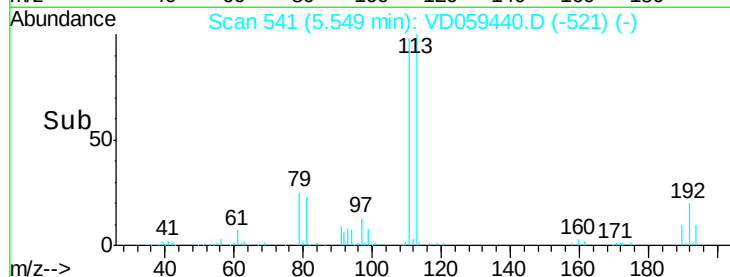
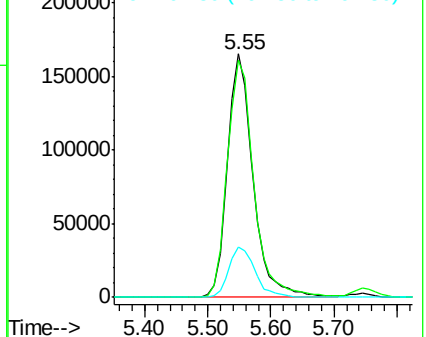
192 20.4 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 23.95 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

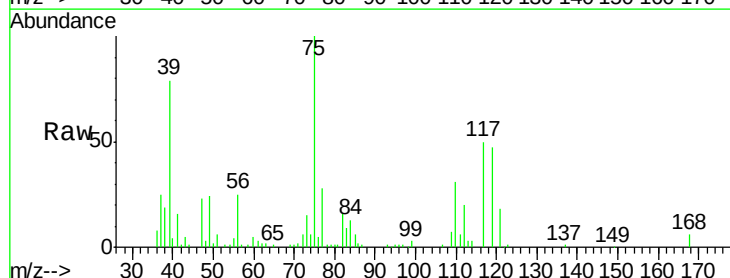
Tgt Ion: 75 Resp: 272068

Ion Ratio Lower Upper

75 100

110 30.6 16.1 48.2

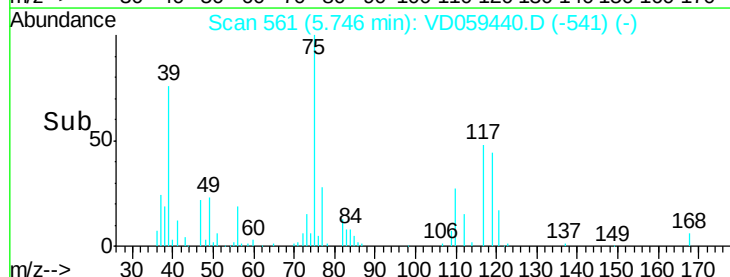
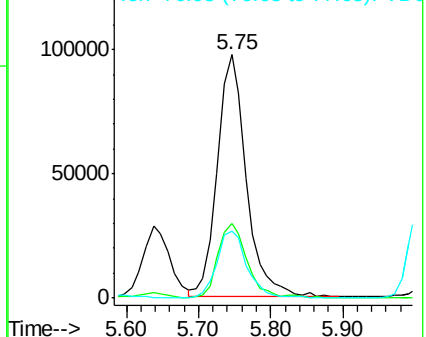
77 27.6 23.4 35.2

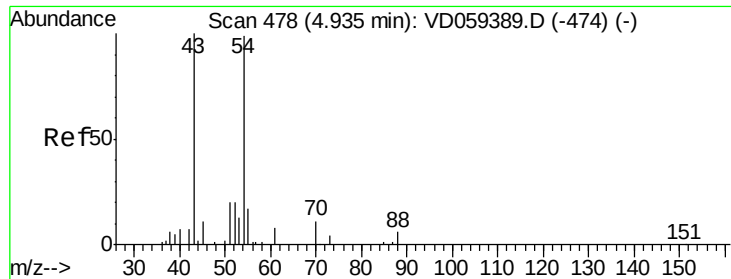


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

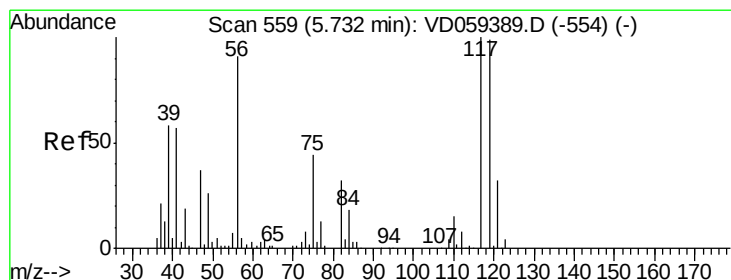
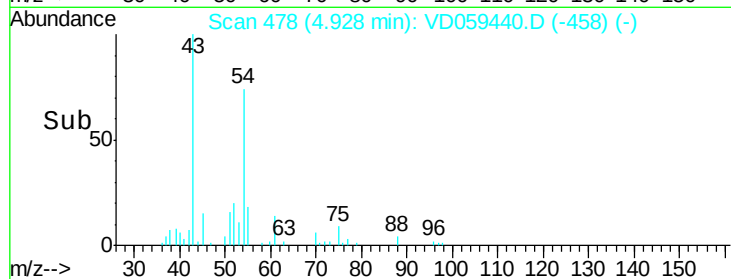
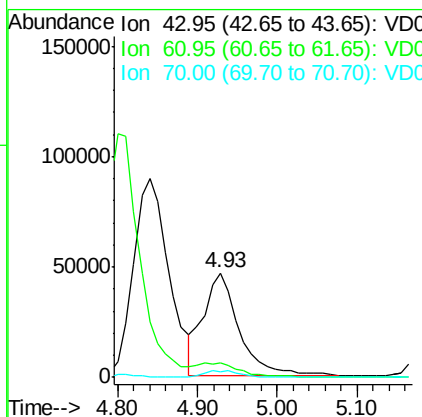
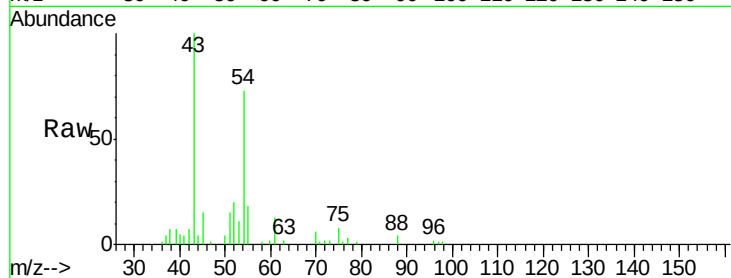




#37
Ethyl Acetate
Concen: 21.38 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

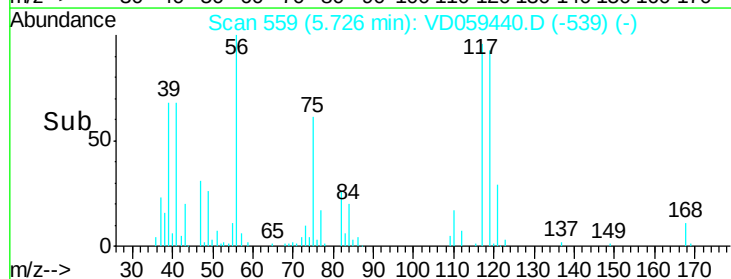
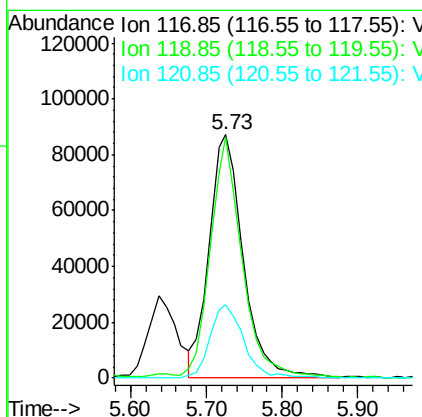
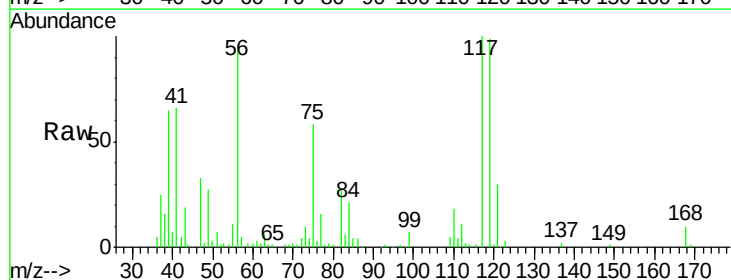
Instrument :
MSVOA_D
ClientSampleID :
VD0627SBS01

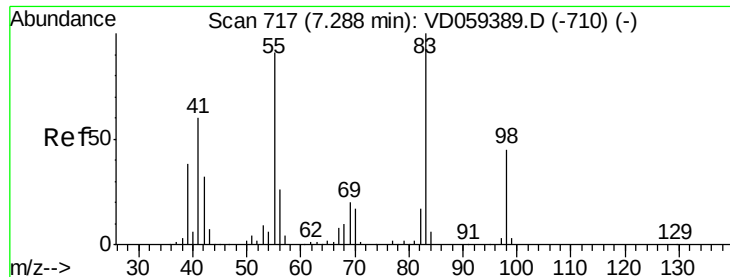
Tot Ion: 43 Resp: 147912
Ion Ratio Lower Upper
43 100
61 13.3 11.8 17.8
70 5.8 6.1 9.1#



#38
Carbon Tetrachloride
Concen: 23.12 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 117 Resp: 270792
Ion Ratio Lower Upper
117 100
119 99.2 76.6 115.0
121 30.2 25.0 37.4

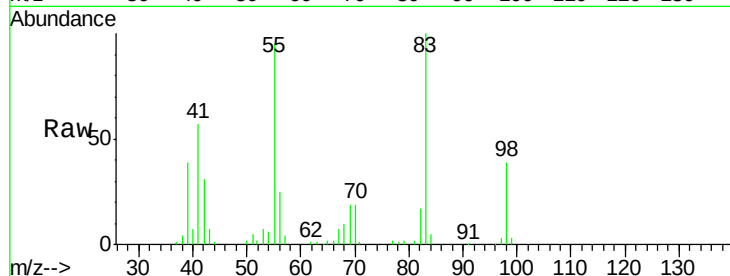




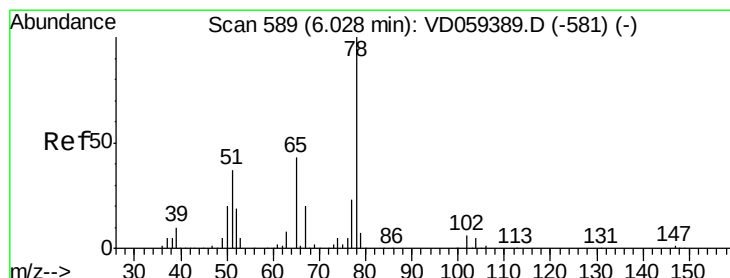
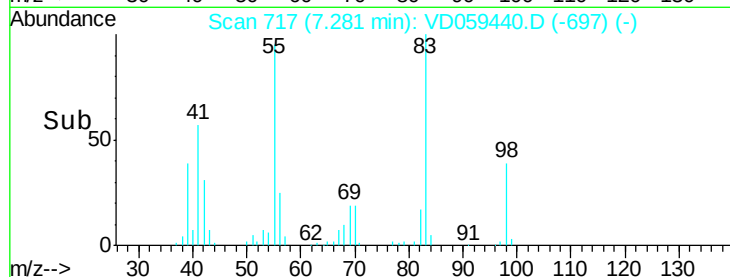
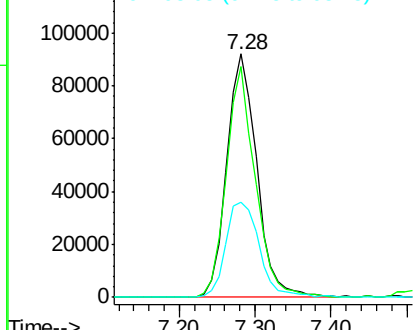
#39
Methylvlcyclohexane
Concen: 23.39 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion: 83 Resp: 251942
Ion Ratio Lower Upper
83 100
55 94.8 72.6 109.0
98 38.8 35.8 53.6

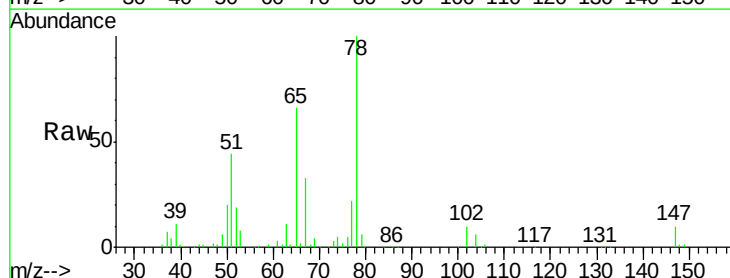


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

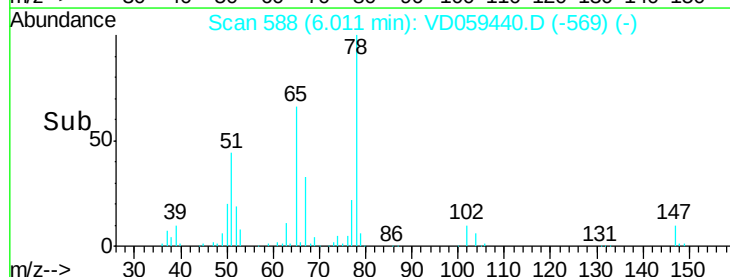
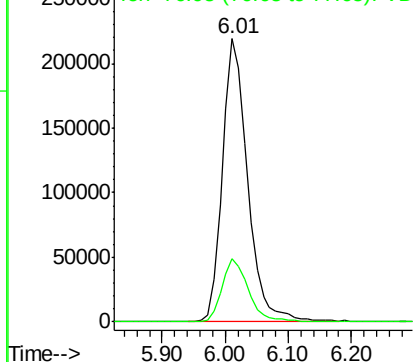


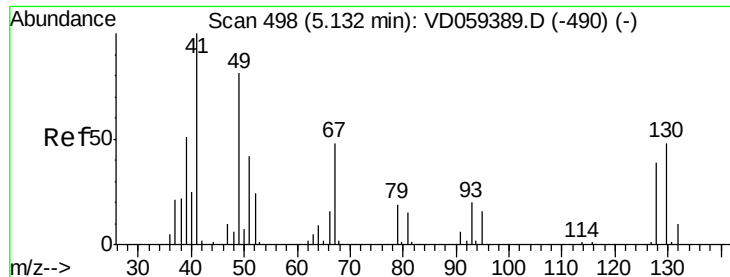
#40
Benzene
Concen: 22.37 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.02 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 78 Resp: 609743
Ion Ratio Lower Upper
78 100
77 22.5 18.1 27.1



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





#41

Methacrylonitrile

Concen: 20.76 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion: 41 Resp: 69166

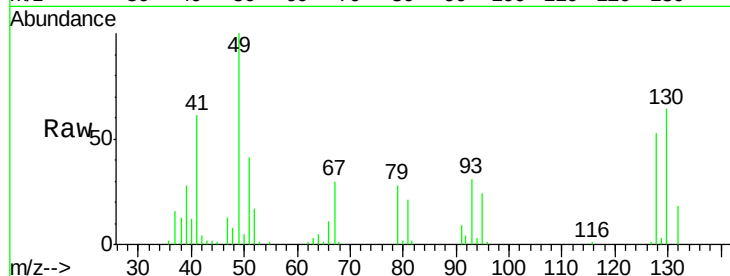
Ion Ratio Lower Upper

41 100

39 46.6 41.5 62.3

67 49.0 38.7 58.1

52 28.1 19.4 29.2

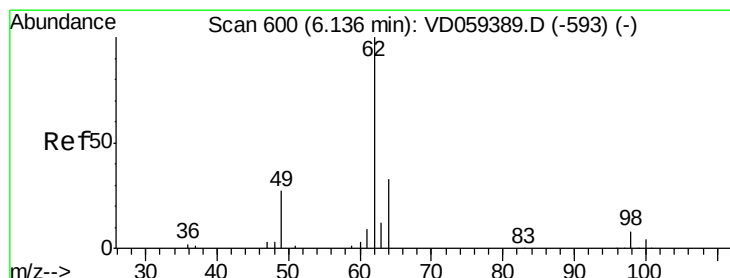
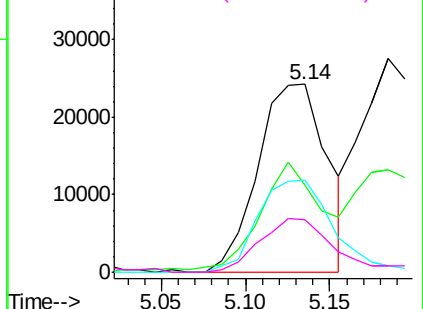
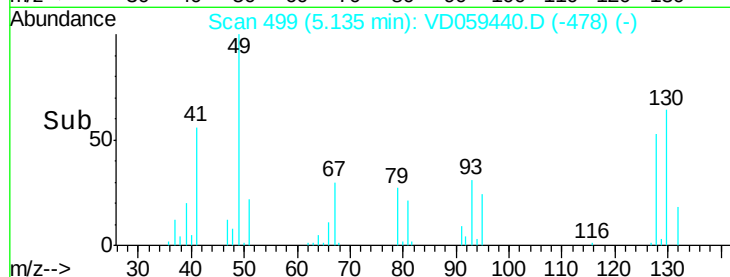


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.28 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059440.D

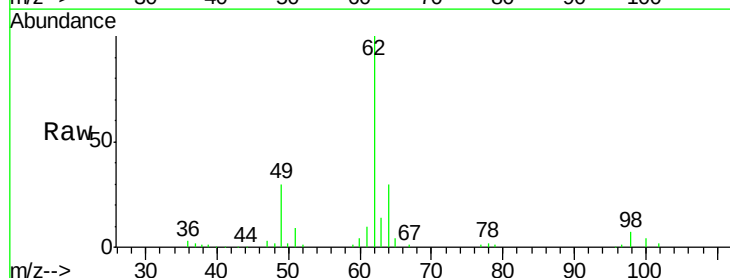
Acq: 27 Jun 2018 13:09

Tgt Ion: 62 Resp: 256327

Ion Ratio Lower Upper

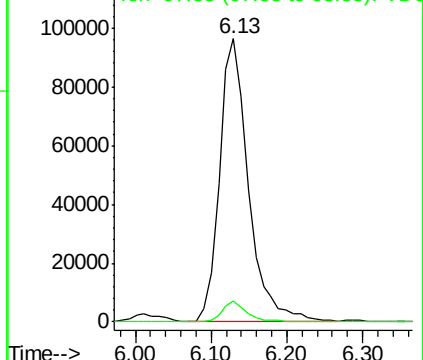
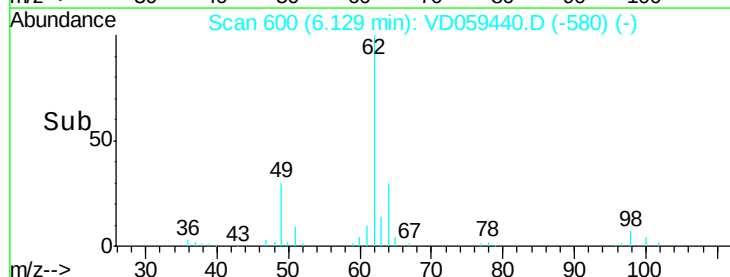
62 100

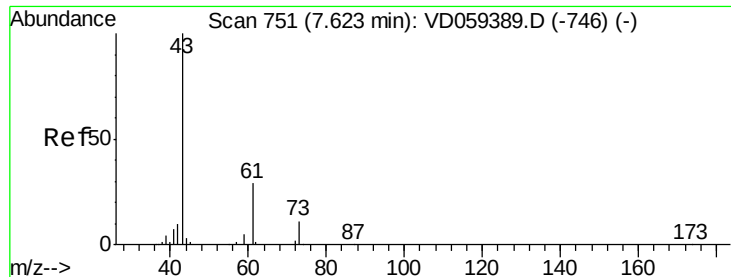
98 7.2 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.85 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

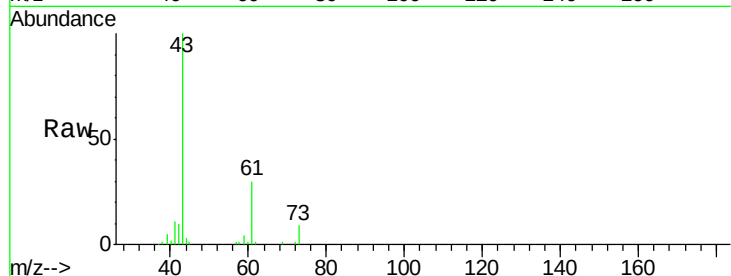
Tot Ion: 43 Resp: 172416

Ion Ratio Lower Upper

43 100

61 29.7 23.1 34.7

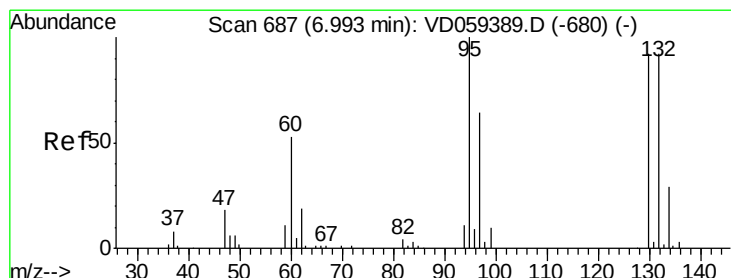
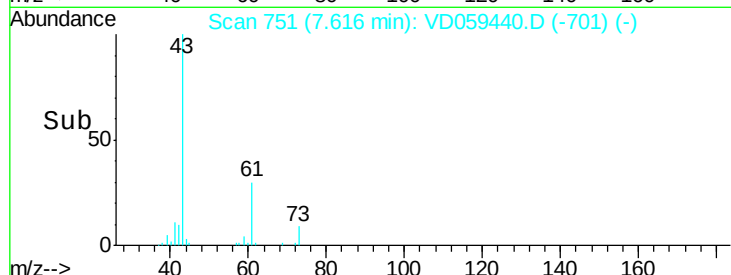
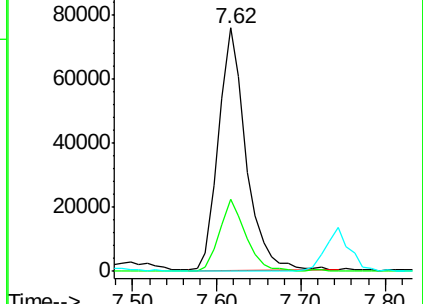
87 0.0 0.2 0.4#



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: 22.18 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: VD059440.D

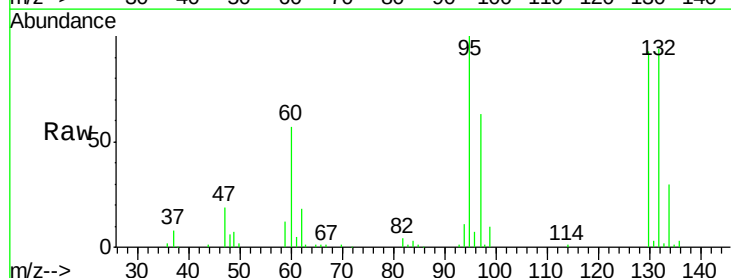
Acq: 27 Jun 2018 13:09

Tgt Ion:130 Resp: 197945

Ion Ratio Lower Upper

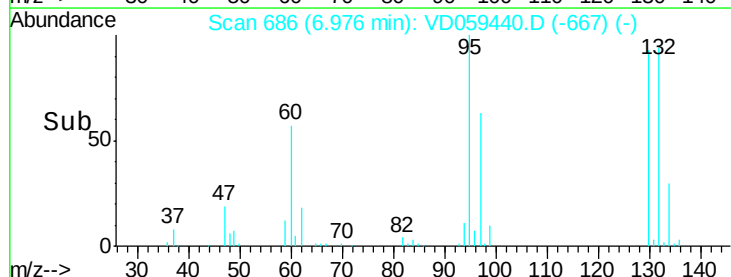
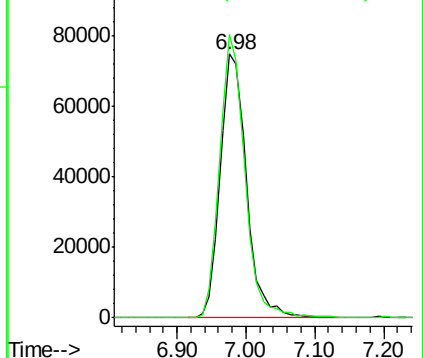
130 100

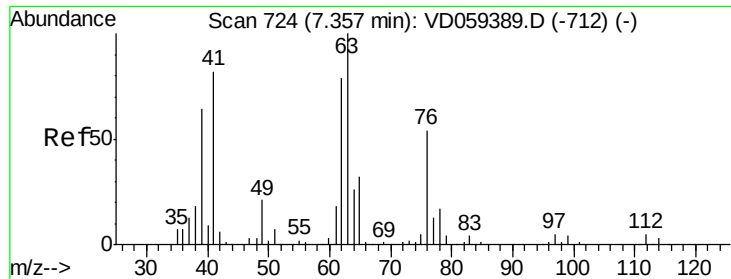
95 107.3 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

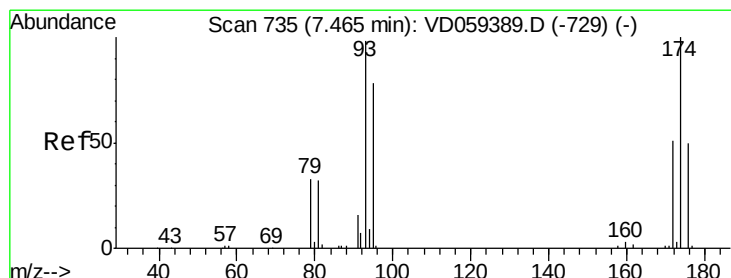
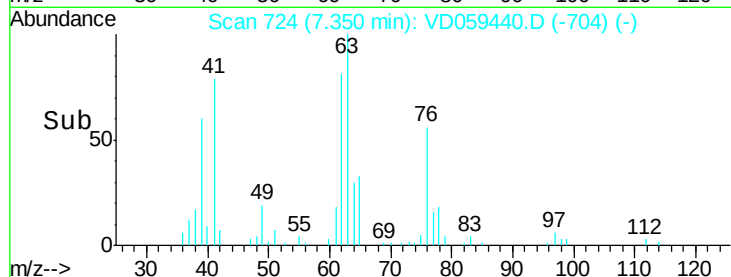
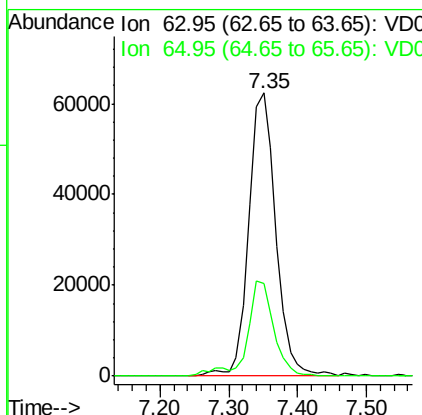
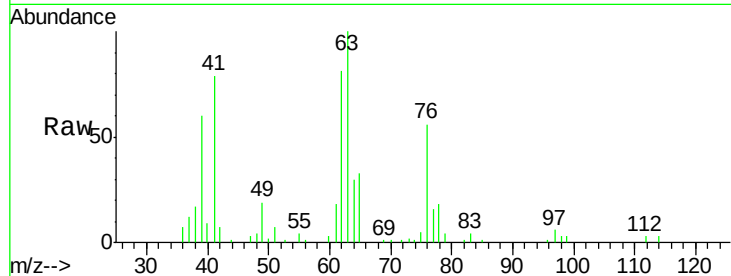




#45
 1,2-Dichloropropane
 Concen: 22.64 ug/l
 RT: 7.35 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

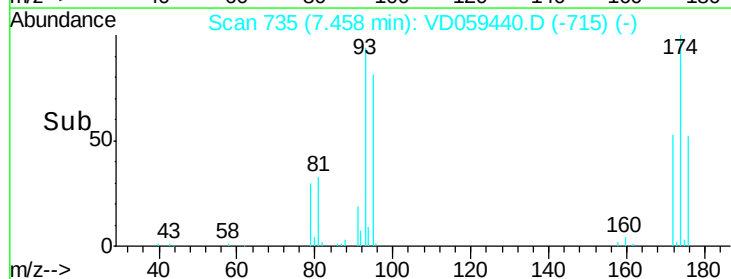
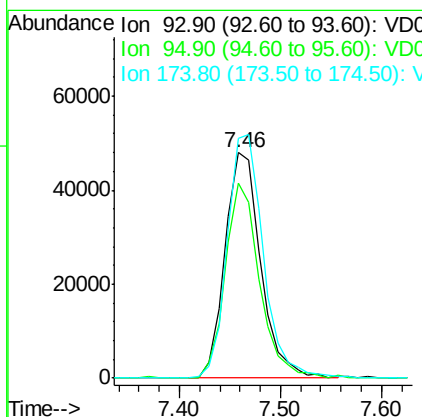
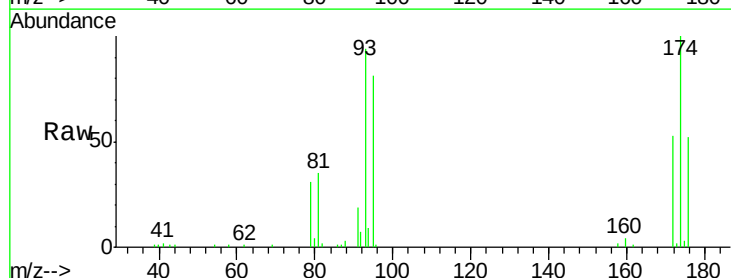
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

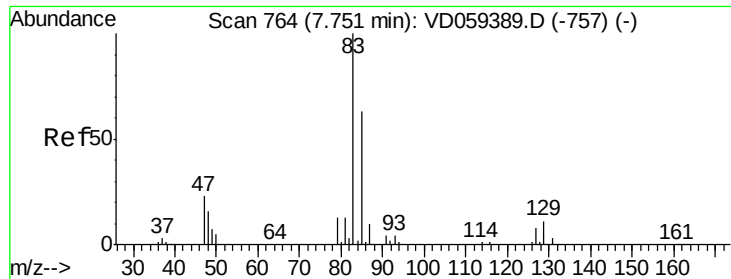
Tot Ion: 63 Resp: 170907
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.7 38.5



#46
 Dibromomethane
 Concen: 21.73 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion: 93 Resp: 117959
 Ion Ratio Lower Upper
 93 100
 95 86.2 63.4 95.0
 174 106.4 81.4 122.2





#47

Bromodichloromethane

Concen: 22.06 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

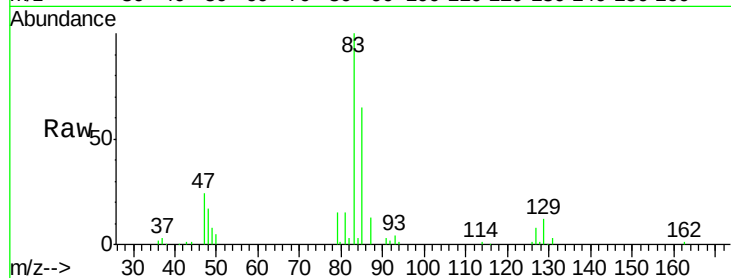
Tot Ion: 83 Resp: 267978

Ion Ratio Lower Upper

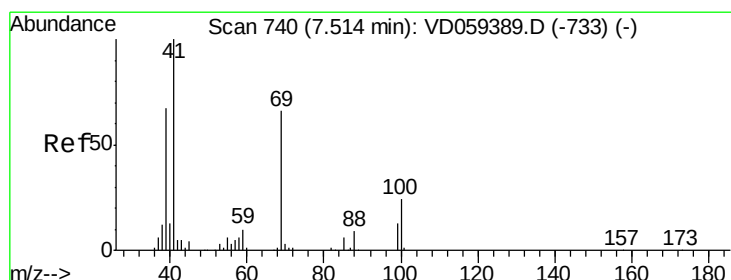
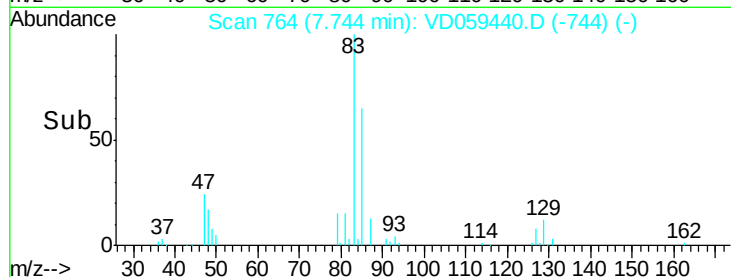
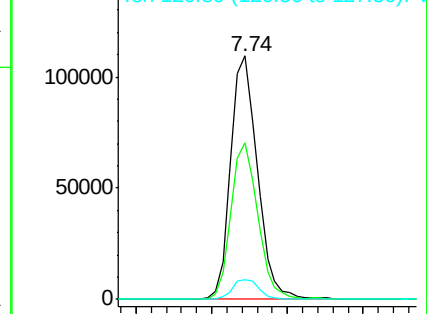
83 100

85 64.5 50.1 75.1

127 8.3 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): V



#48

Methyl methacrylate

Concen: 20.39 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

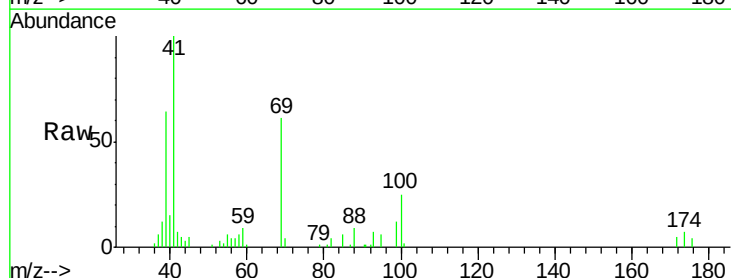
Tgt Ion: 41 Resp: 107886

Ion Ratio Lower Upper

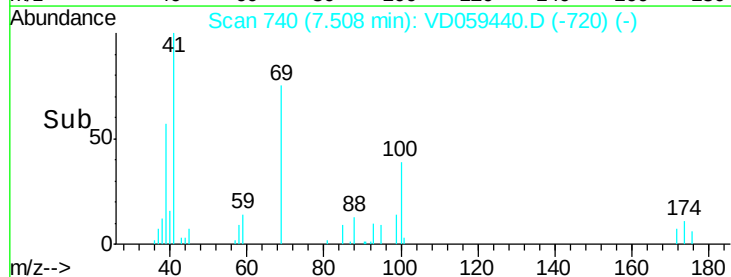
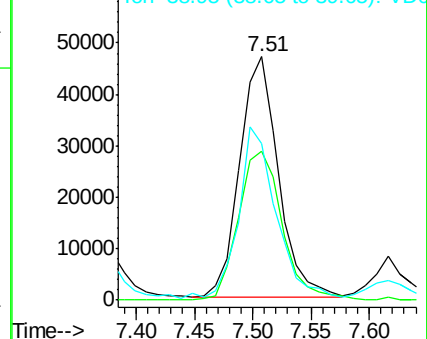
41 100

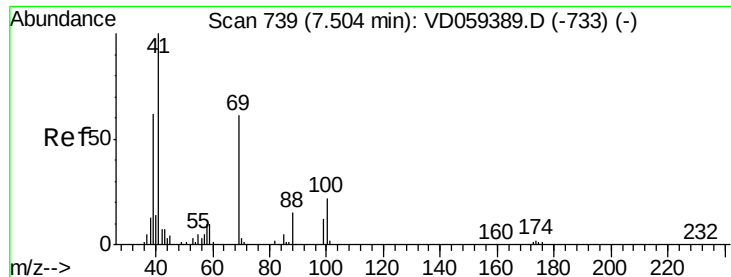
69 61.1 52.6 79.0

39 64.2 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: 410.04 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

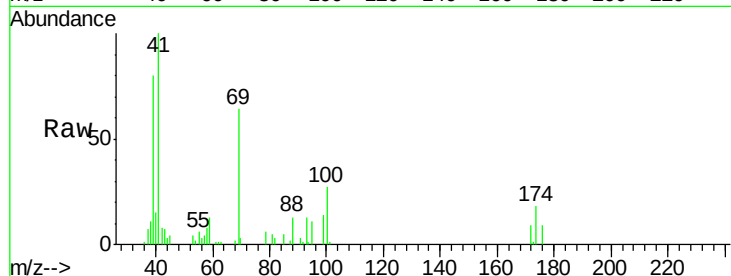
Tot Ion: 88 Resp: 21764

Ion Ratio Lower Upper

88 100

43 54.7 41.0 61.4

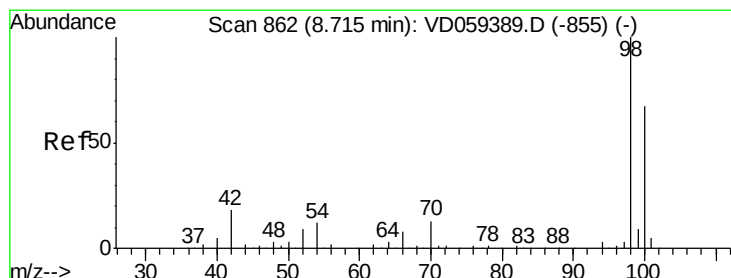
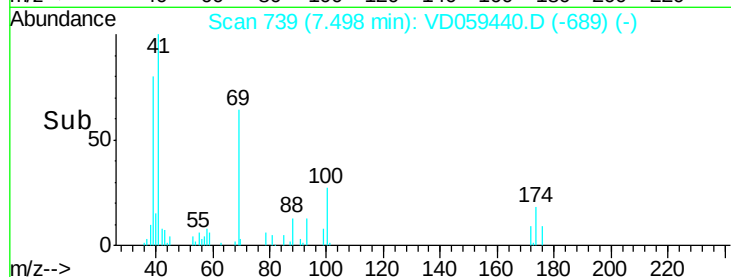
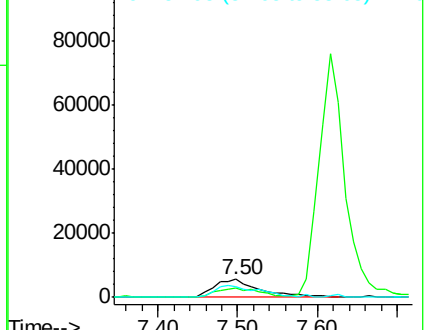
58 59.1 53.4 80.0



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: 410.04 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD059440.D

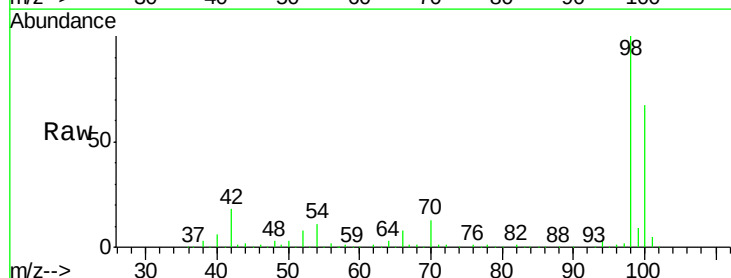
Acq: 27 Jun 2018 13:09

Tgt Ion: 98 Resp: 1008090

Ion Ratio Lower Upper

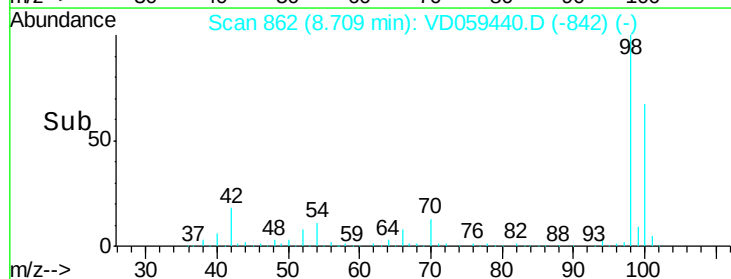
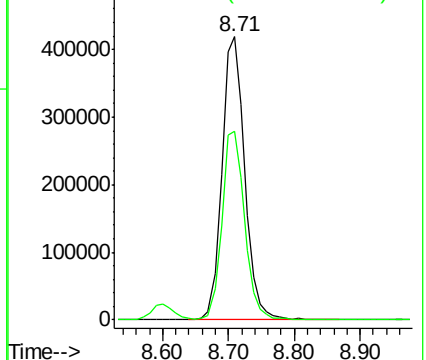
98 100

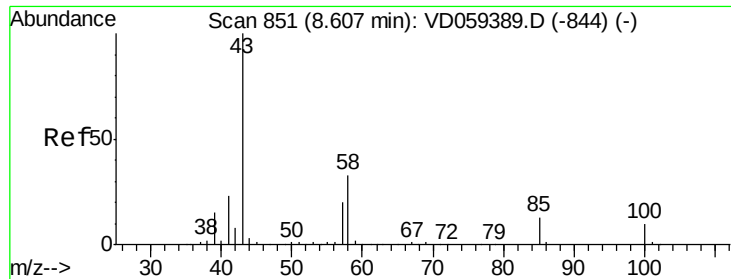
100 66.5 54.4 81.6



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: 104.42 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

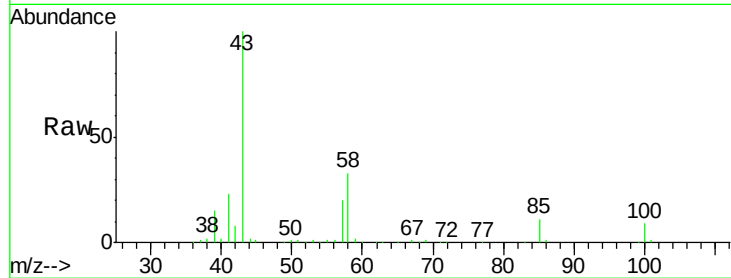
VD0627SBS01

Tot Ion: 43 Resp: 604468

Ion Ratio Lower Upper

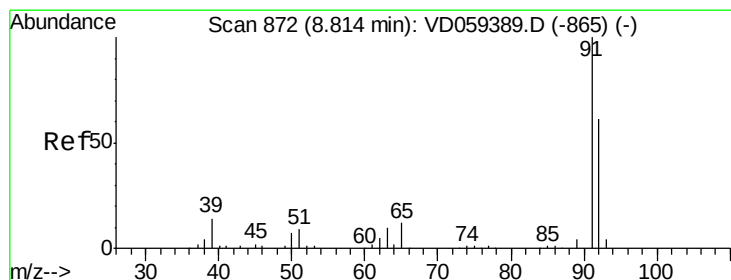
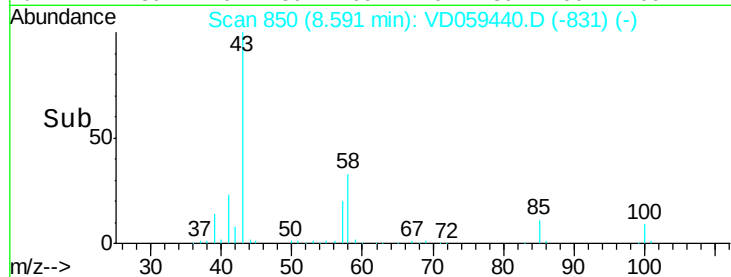
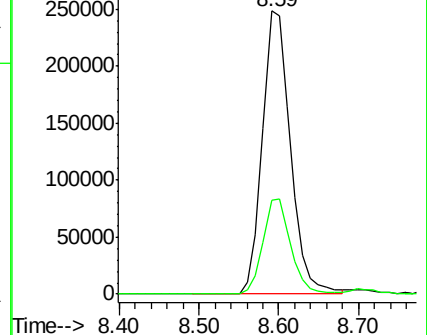
43 100

58 33.1 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: 21.57 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD059440.D

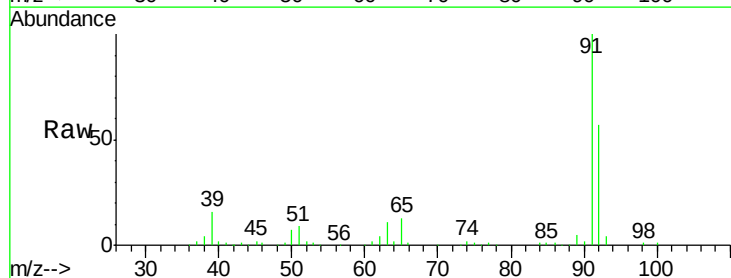
Acq: 27 Jun 2018 13:09

Tgt Ion: 92 Resp: 351080

Ion Ratio Lower Upper

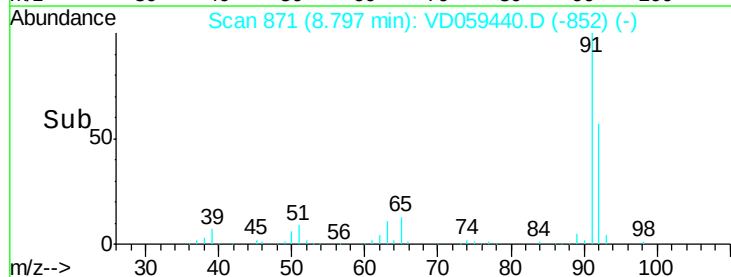
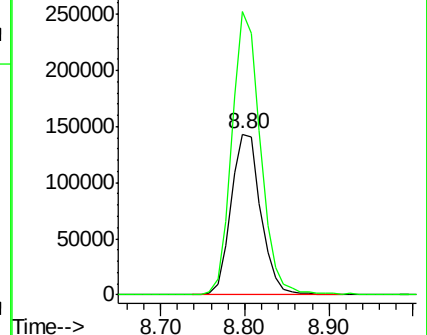
92 100

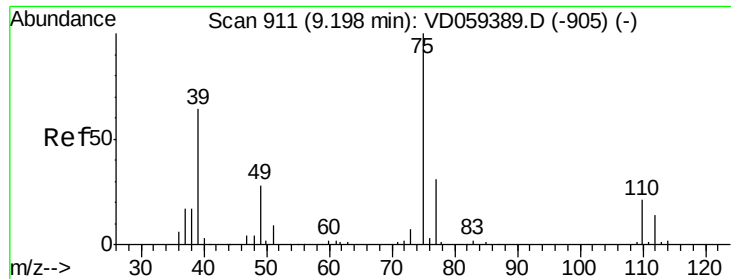
91 176.3 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

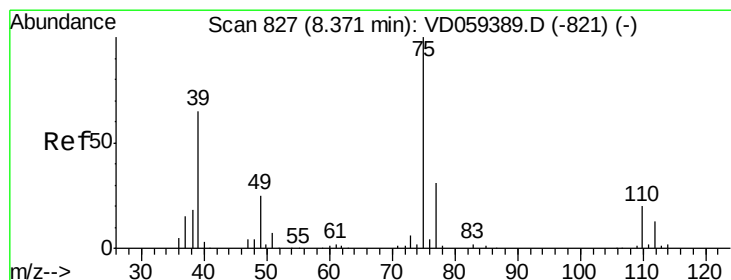
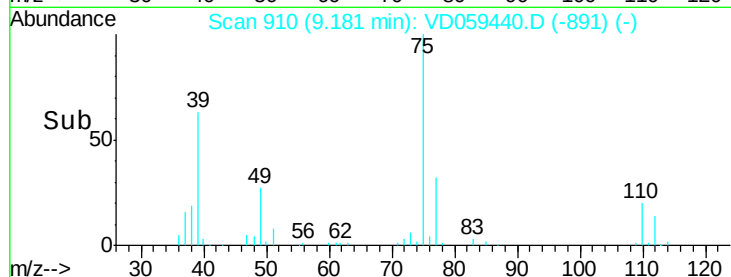
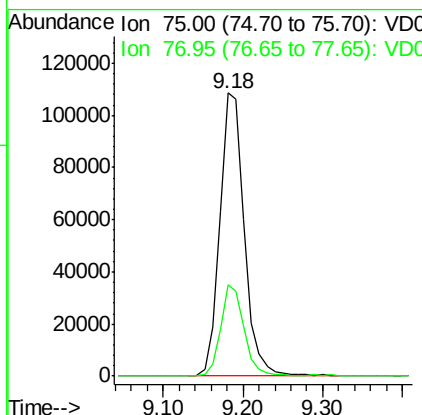
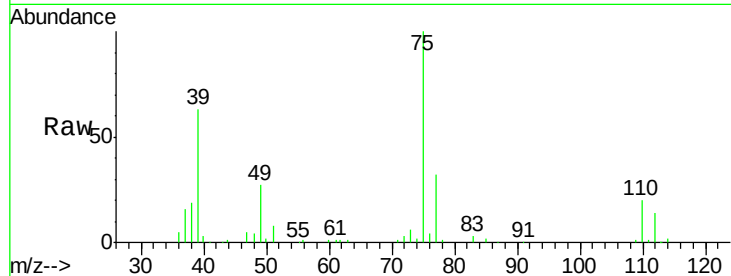




#53
 t-1,3-Dichloropropene
 Concen: 23.12 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

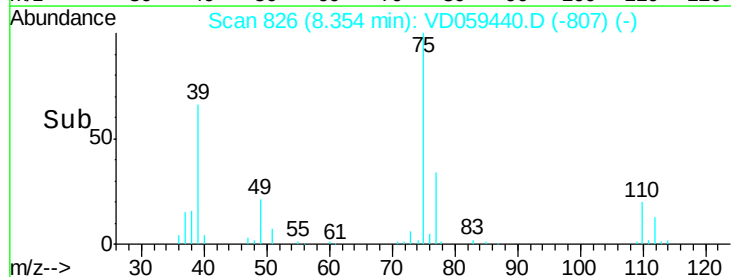
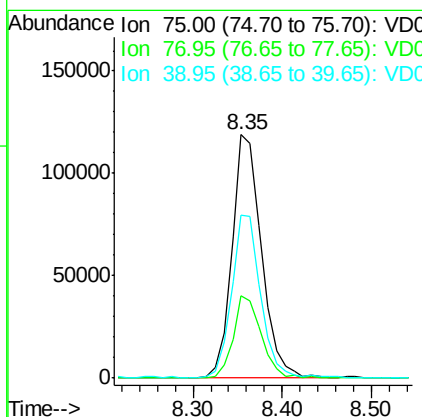
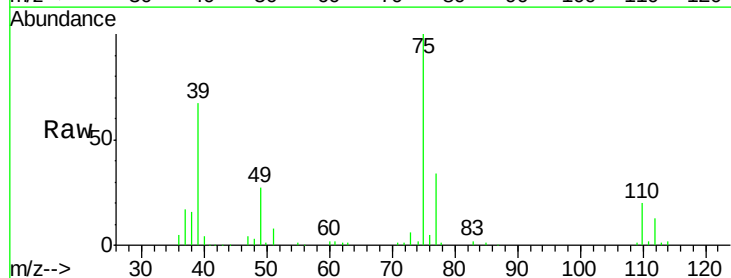
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

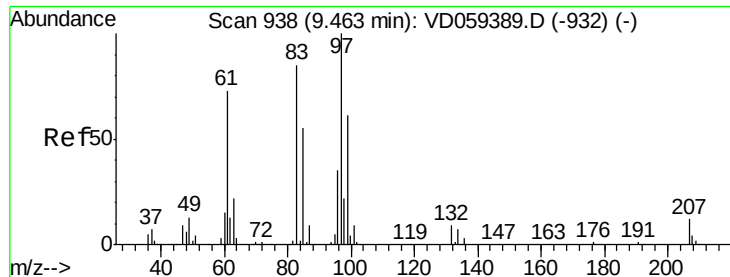
Tot Ion: 75 Resp: 234732
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 23.42 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion: 75 Resp: 275236
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.7 37.1
 39 66.7 52.2 78.4

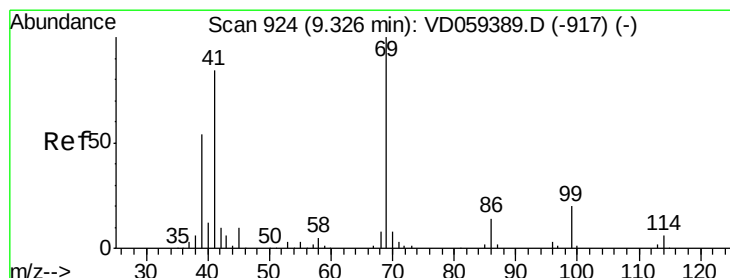
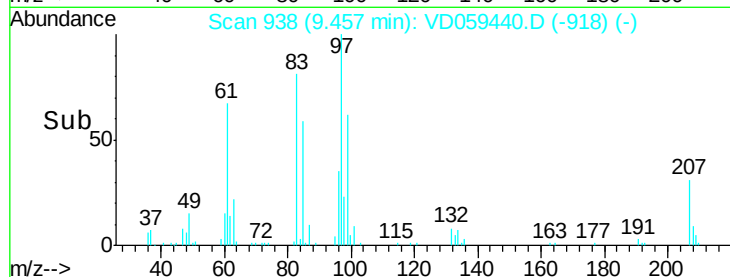
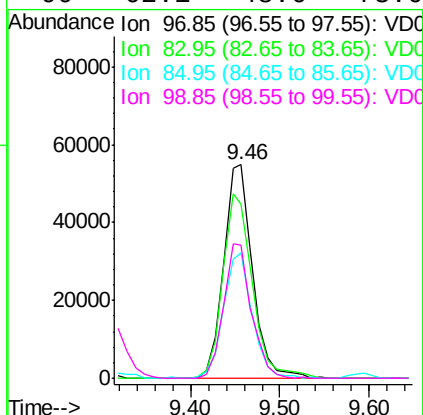
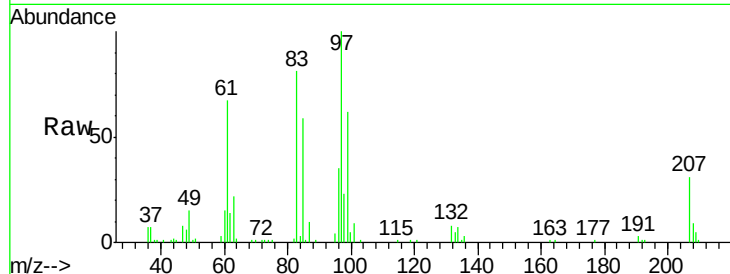




#55
 1,1,2-Trichloroethane
 Concen: 21.13 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

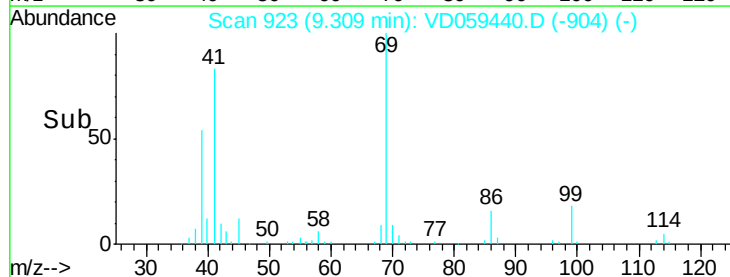
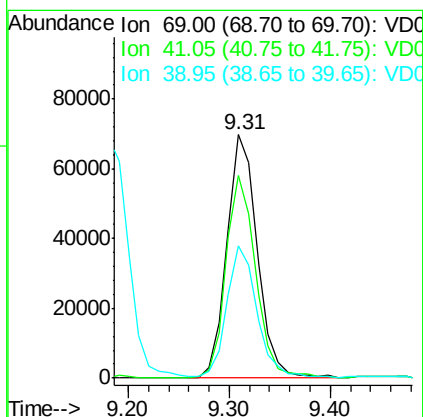
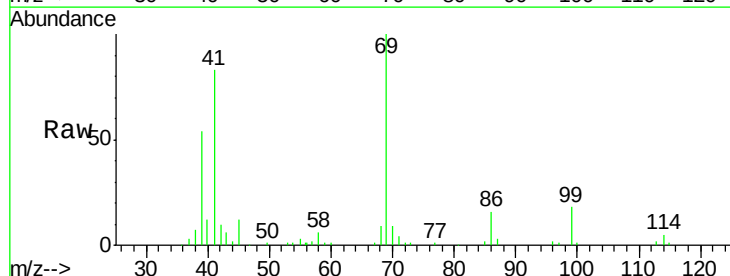
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

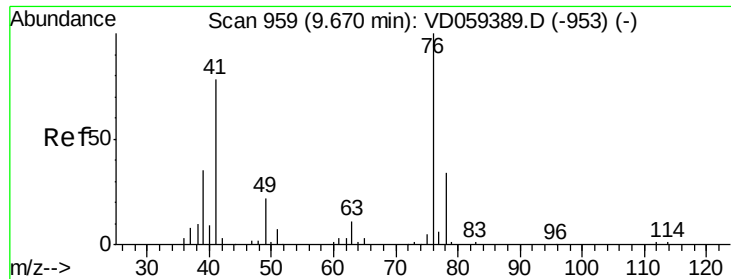
Tot Ion:	97	Resp:	124908
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.7	101.5
85	59.0	44.3	66.5
99	62.1	48.6	73.0



#56
 Ethyl methacrylate
 Concen: 21.68 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion:	69	Resp:	146205
Ion	Ratio	Lower	Upper
69	100		
41	83.2	67.4	101.0
39	54.4	43.7	65.5

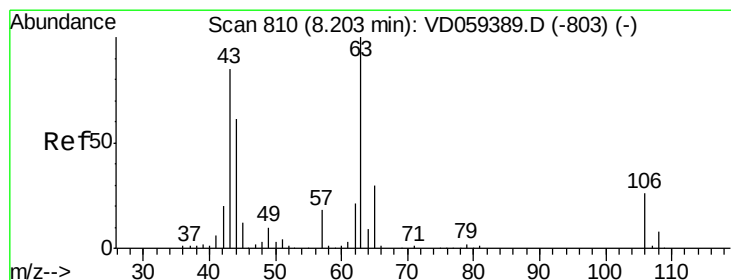
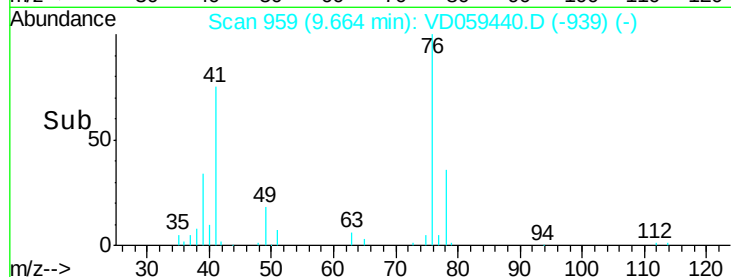
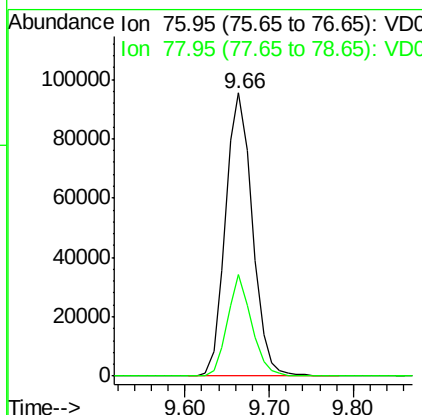
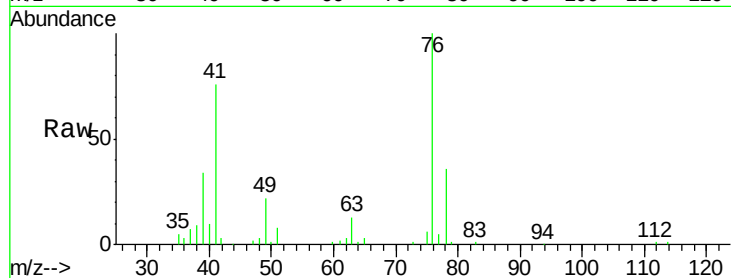




#57
 1,3-Dichloropropane
 Concen: 21.91 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

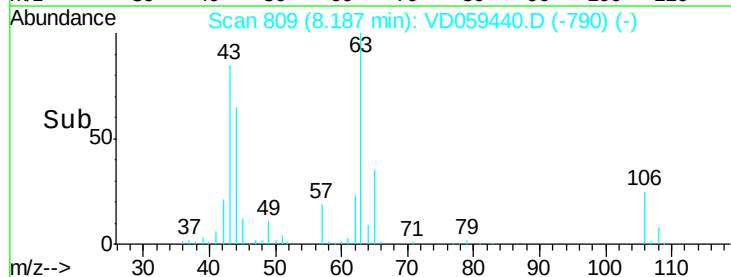
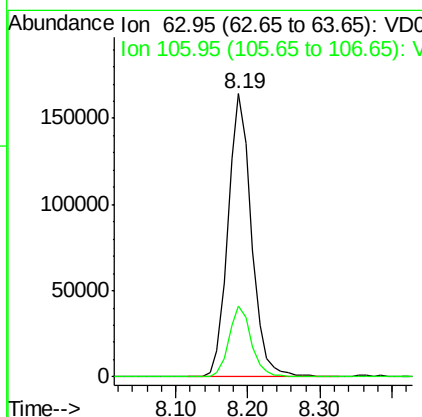
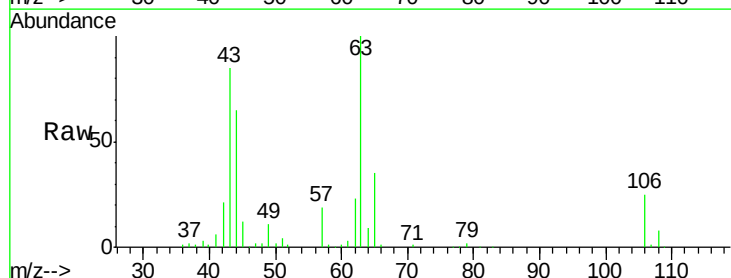
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

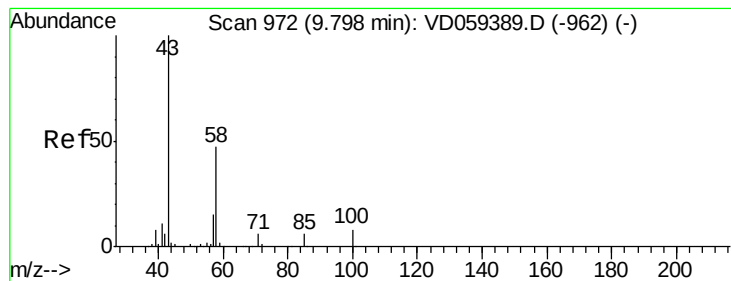
Tot Ion: 76 Resp: 211775
 Ion Ratio Lower Upper
 76 100
 78 36.0 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.08 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion: 63 Resp: 371754
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.6 31.0





#59

2-Hexanone

Concen: 113.34 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.02 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

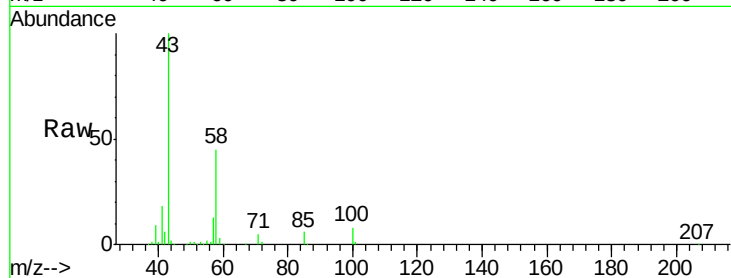
VD0627SBS01

Tot Ion: 43 Resp: 466286

Ion Ratio Lower Upper

43 100

58 45.1 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

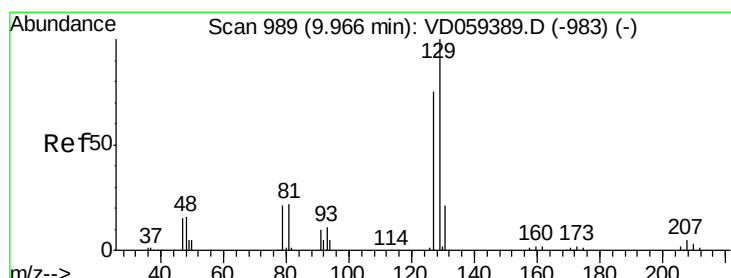
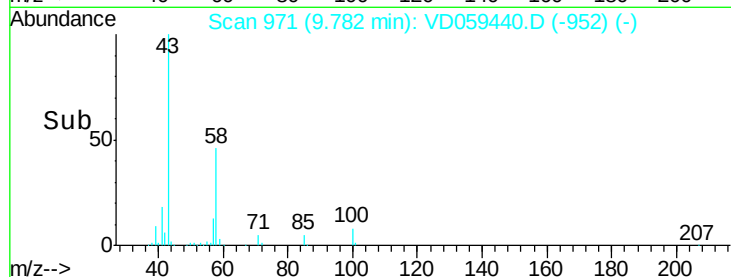
150000

100000

50000

0

Time--> 9.70 9.80 9.90



#60

Dibromochloromethane

Concen: 20.87 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.01 min

Lab File: VD059440.D

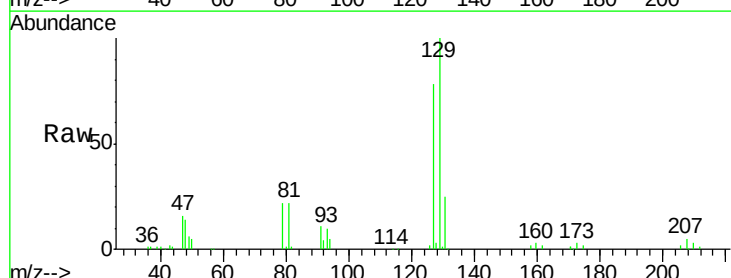
Acq: 27 Jun 2018 13:09

Tgt Ion:129 Resp: 172761

Ion Ratio Lower Upper

129 100

127 77.6 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

100000

80000

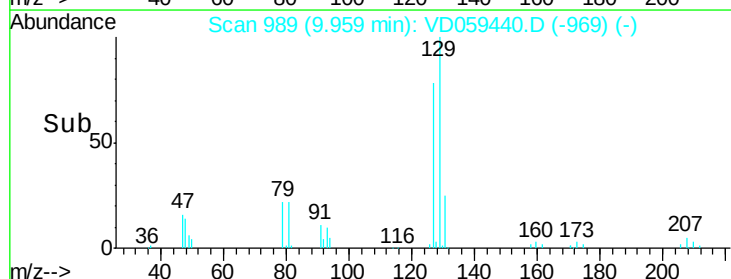
60000

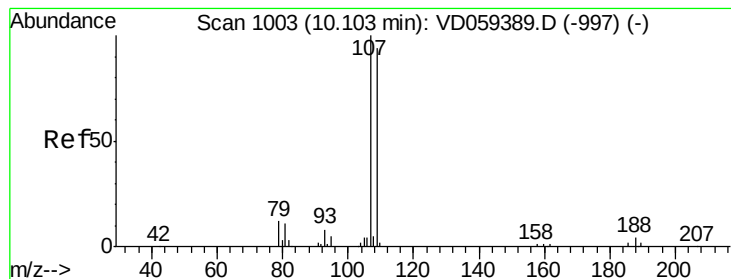
40000

20000

0

Time--> 9.90 10.00 10.10





#61

1,2-Dibromoethane

Concen: 21.23 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

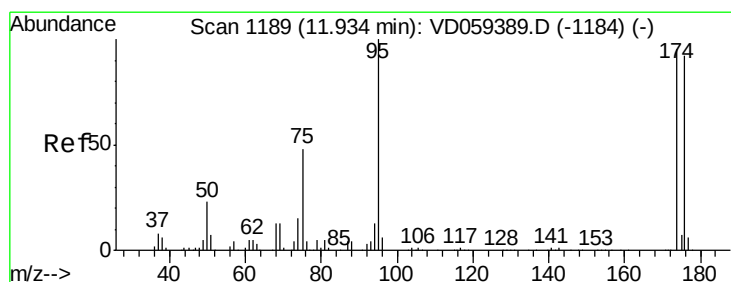
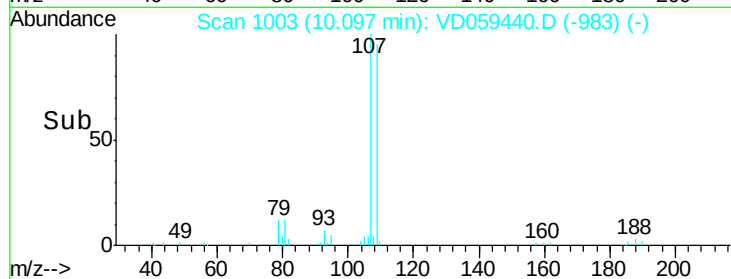
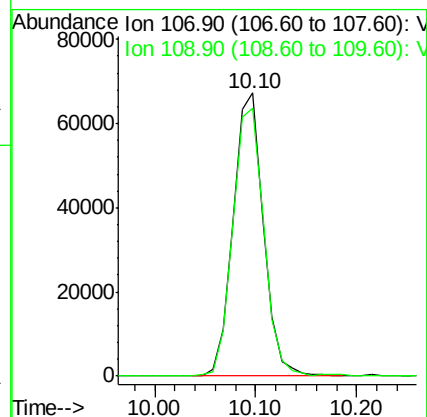
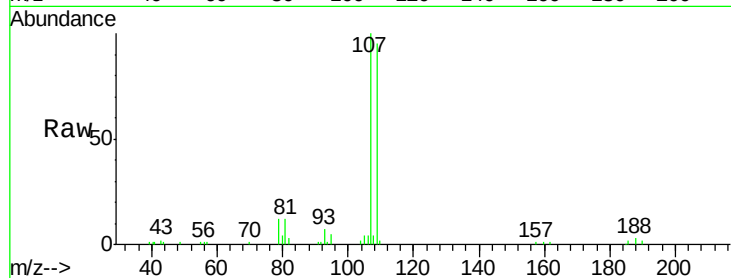
VD0627SBS01

Tot Ion:107 Resp: 139749

Ion Ratio Lower Upper

107 100

109 94.5 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 21.23 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

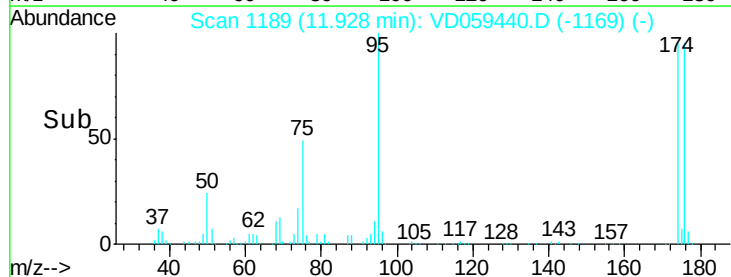
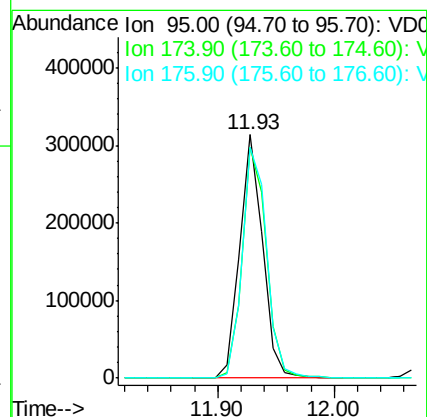
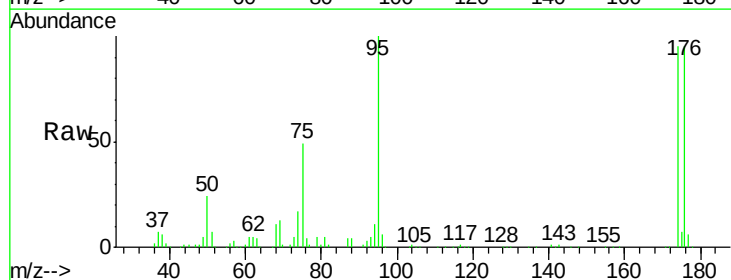
Tgt Ion: 95 Resp: 428185

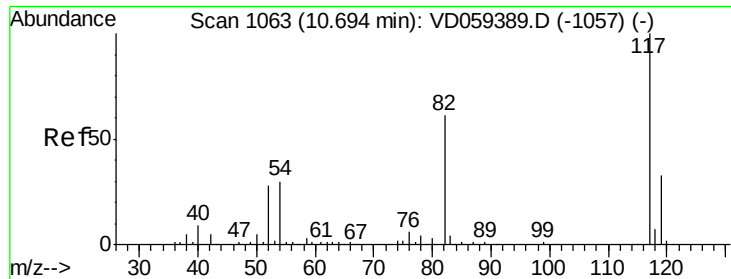
Ion Ratio Lower Upper

95 100

174 94.9 0.0 190.4

176 94.6 0.0 183.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

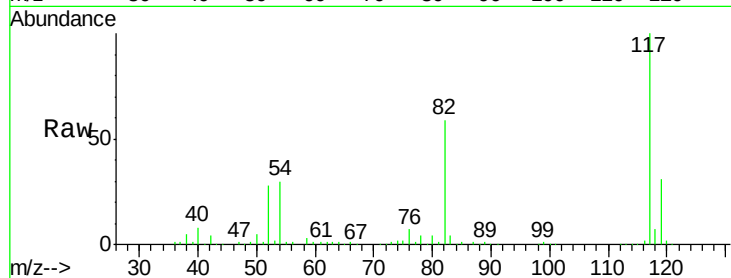
Tot Ion:117 Resp: 1021008

Ion Ratio Lower Upper

117 100

82 59.4 49.0 73.6

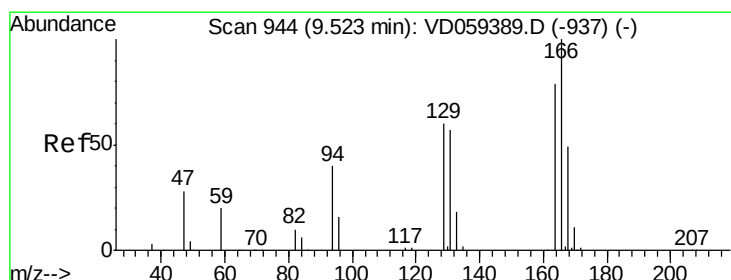
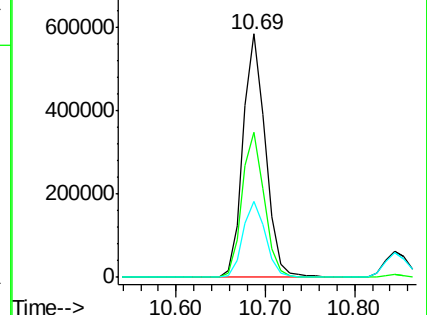
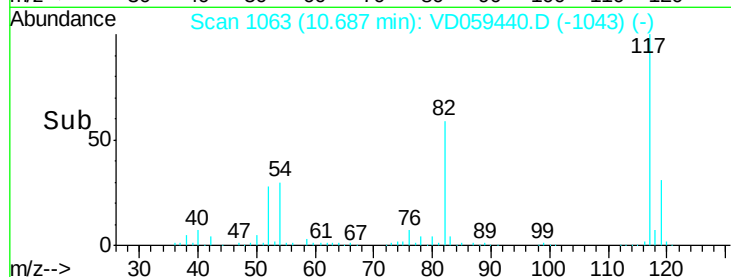
119 31.0 26.2 39.4



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: 19.62 ug/l

RT: 9.51 min Scan# 943

Delta R.T. -0.02 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Tgt Ion:164 Resp: 175691

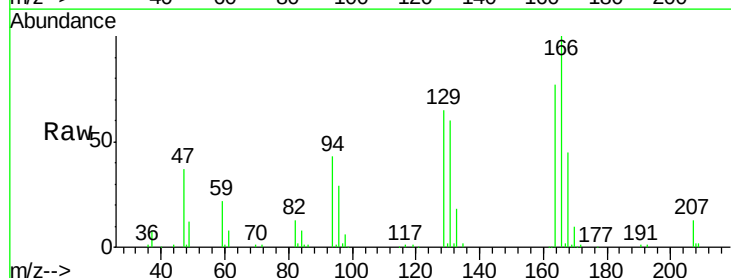
Ion Ratio Lower Upper

164 100

166 130.4 101.4 152.2

129 84.8 60.9 91.3

131 78.8 58.2 87.4

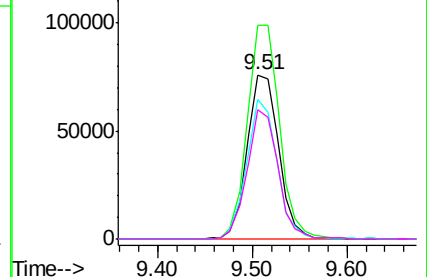
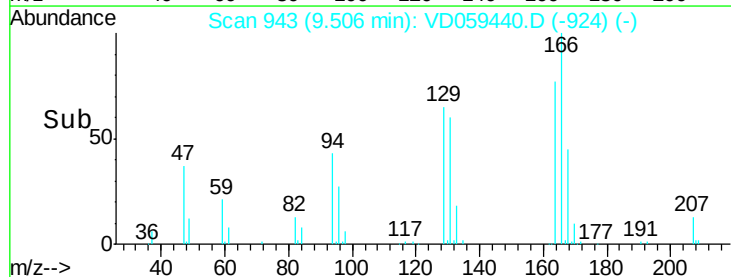


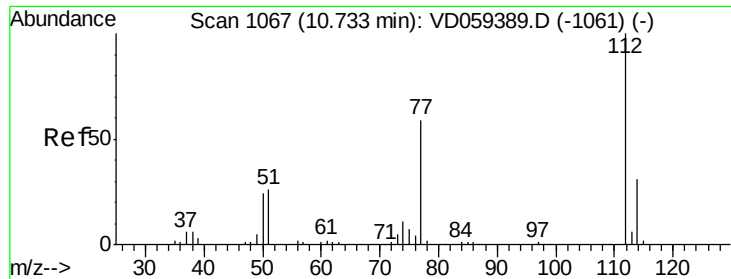
Abundance Ion 163.85 (163.55 to 164.55): V

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

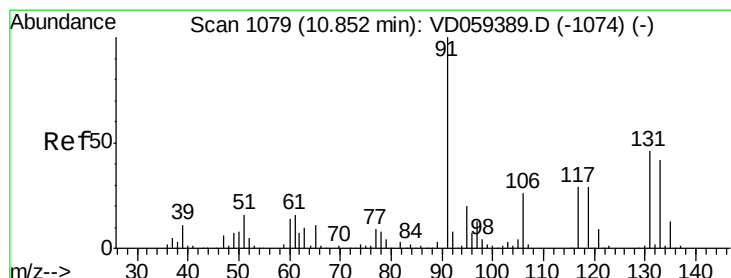
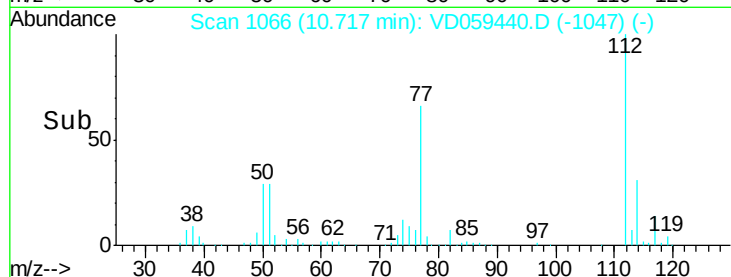
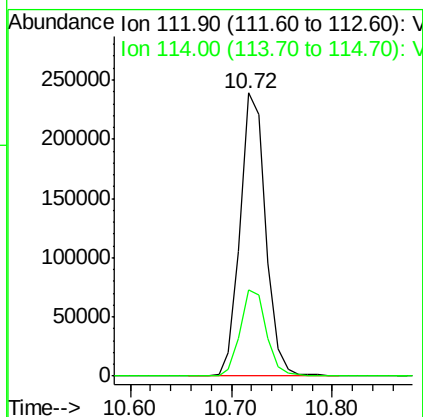
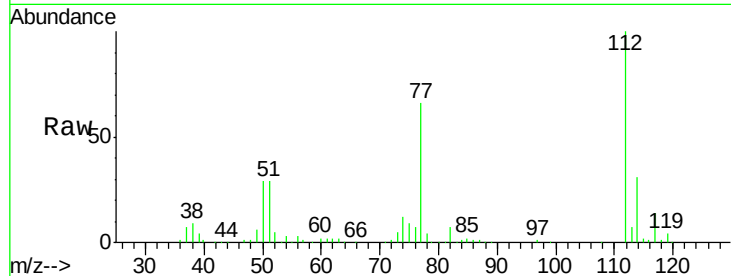




#65
Chlorobenzene
Concen: 22.68 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

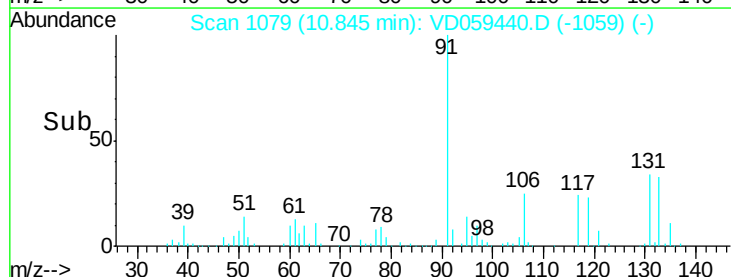
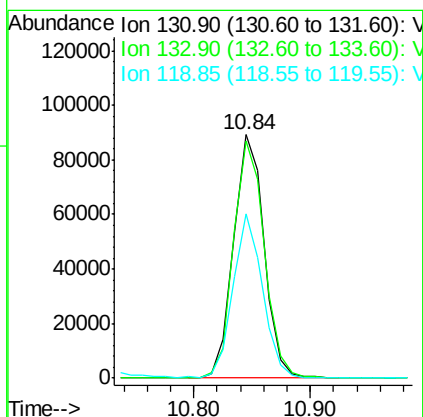
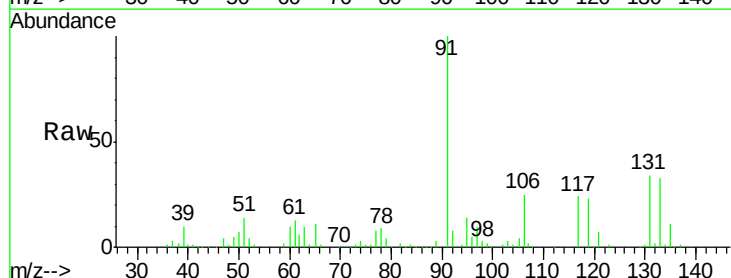
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

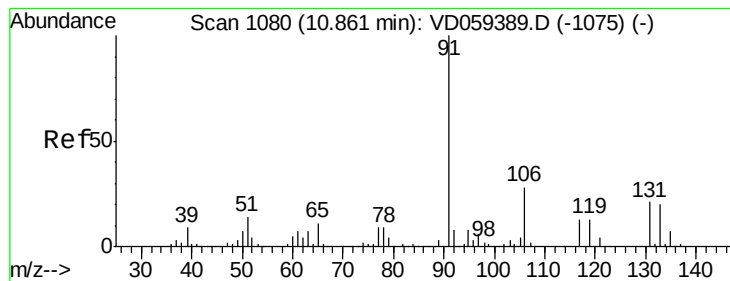
Tot Ion:112 Resp: 423332
Ion Ratio Lower Upper
112 100
114 30.6 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.54 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion:131 Resp: 161553
Ion Ratio Lower Upper
131 100
133 97.6 45.7 137.1
119 67.3 32.3 96.9





#67

Ethyl Benzene

Concen: 23.70 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

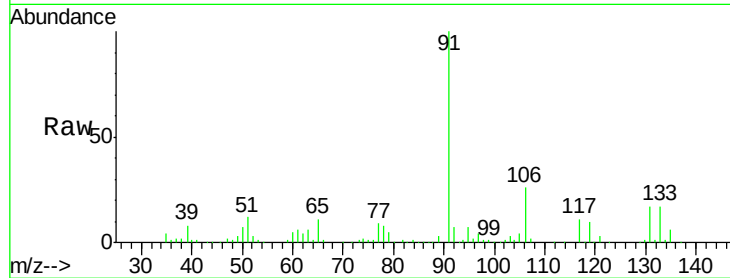
VD0627SBS01

Tot Ion: 91 Resp: 746517

Ion Ratio Lower Upper

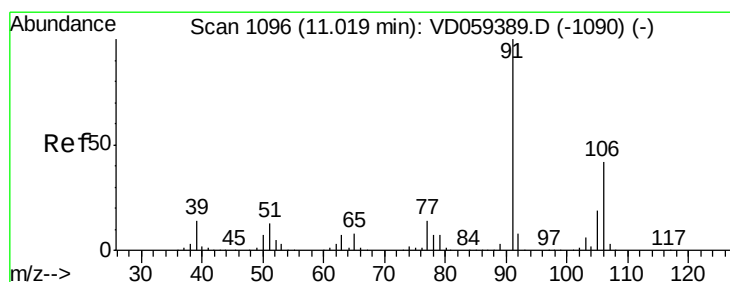
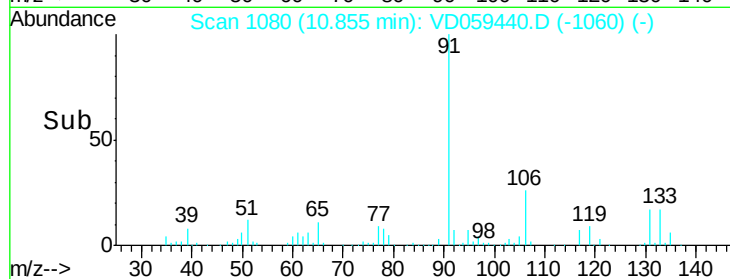
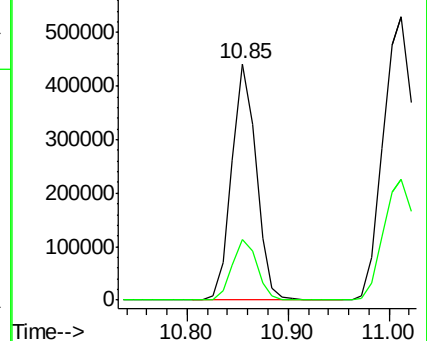
91 100

106 25.9 22.3 33.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 47.19 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VD059440.D

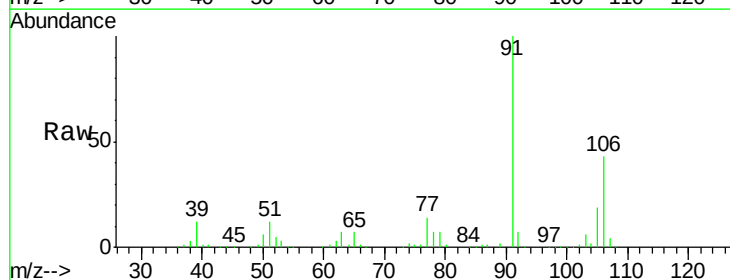
Acq: 27 Jun 2018 13:09

Tgt Ion: 106 Resp: 493184

Ion Ratio Lower Upper

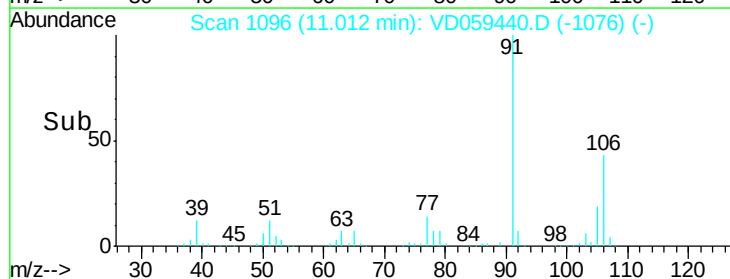
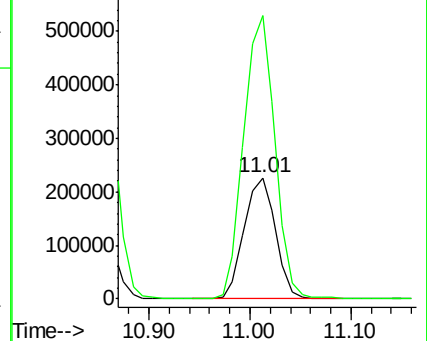
106 100

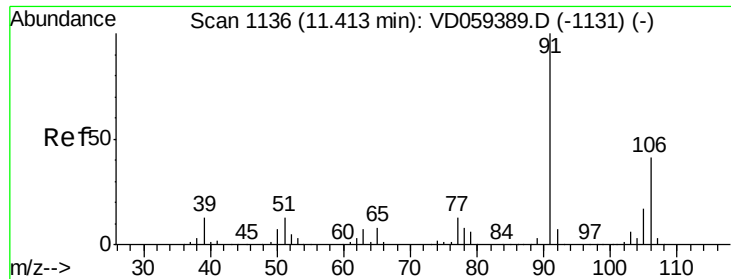
91 233.1 191.0 286.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

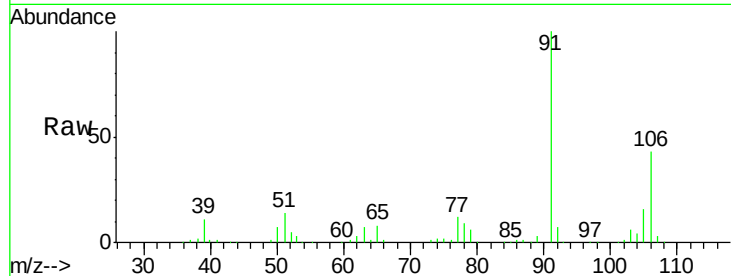




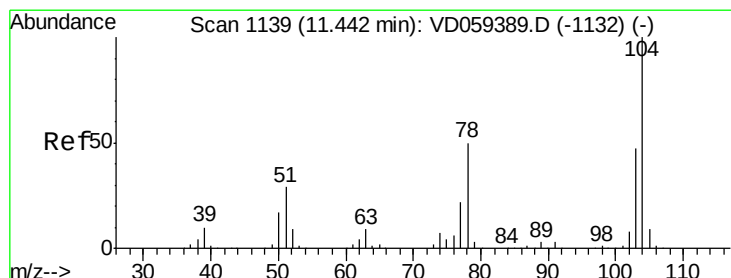
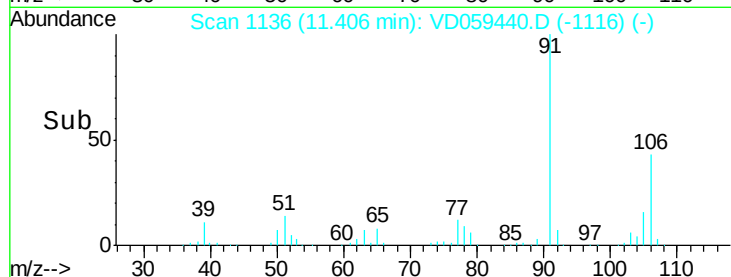
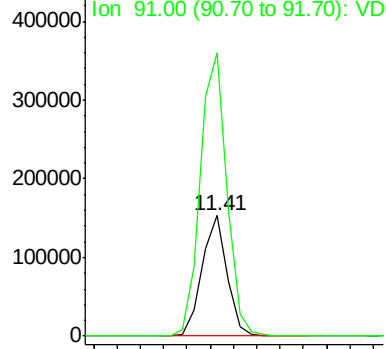
#69
o-Xylene
Concen: 22.26 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion:106 Resp: 229976
Ion Ratio Lower Upper
106 100
91 234.5 121.0 362.8

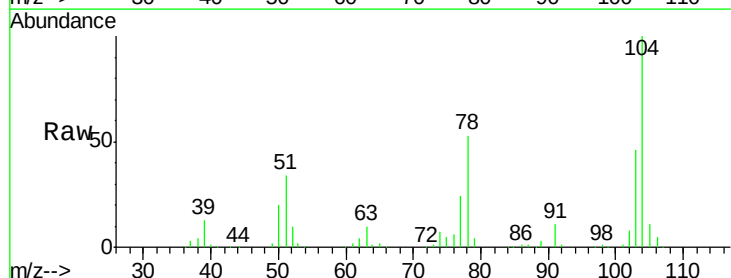


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

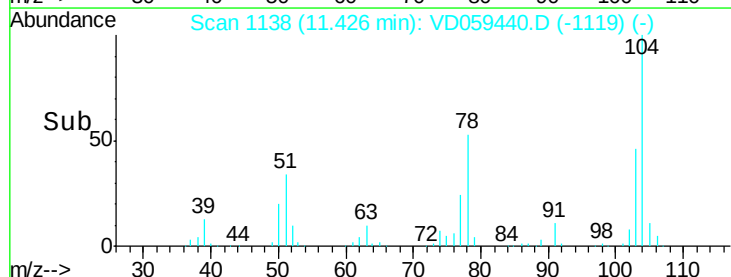
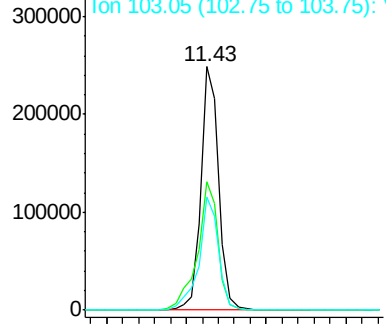


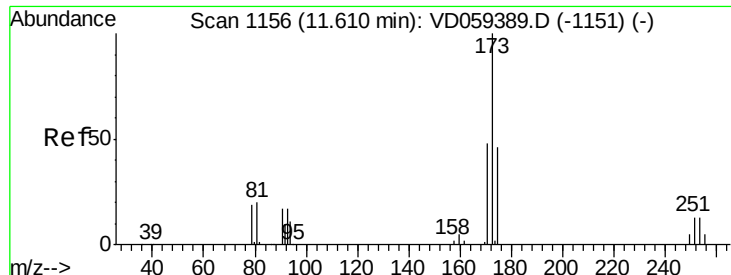
#70
Styrene
Concen: 22.06 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion:104 Resp: 390787
Ion Ratio Lower Upper
104 100
78 52.7 40.2 60.4
103 46.4 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

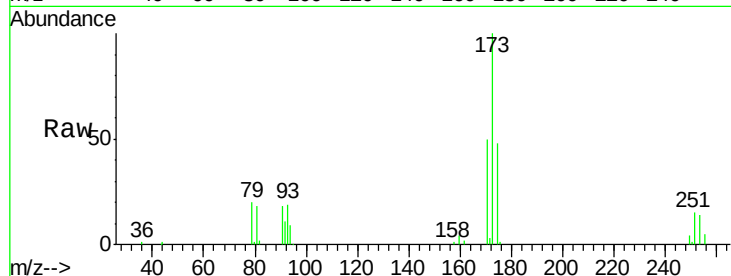




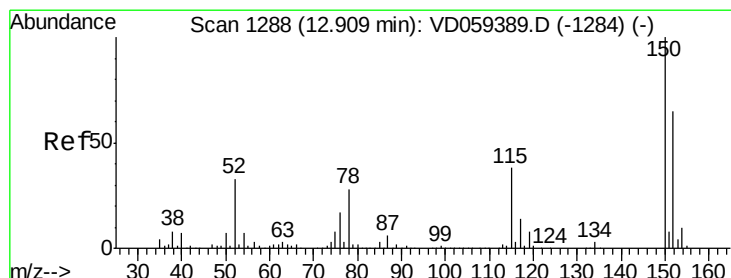
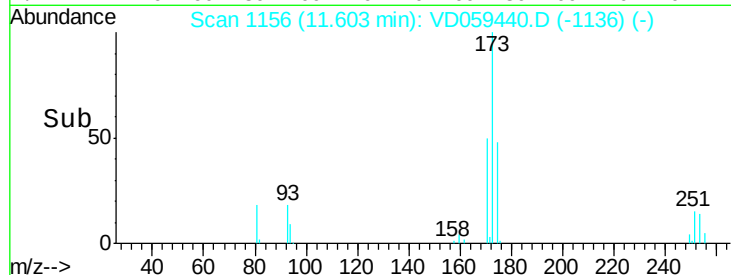
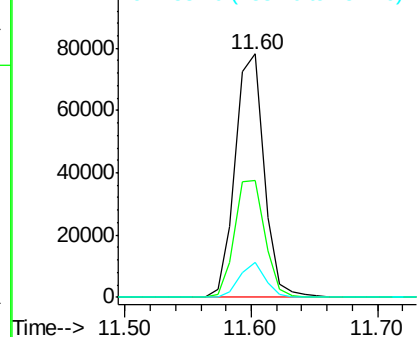
#71
Bromoform
Concen: 20.80 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion:173 Resp: 123504
Ion Ratio Lower Upper
173 100
175 47.8 22.8 68.4
254 14.1 10.1 15.1

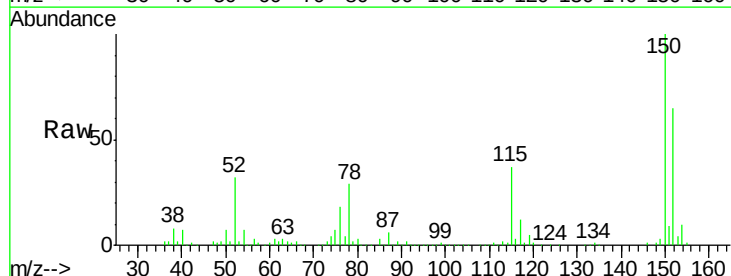


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

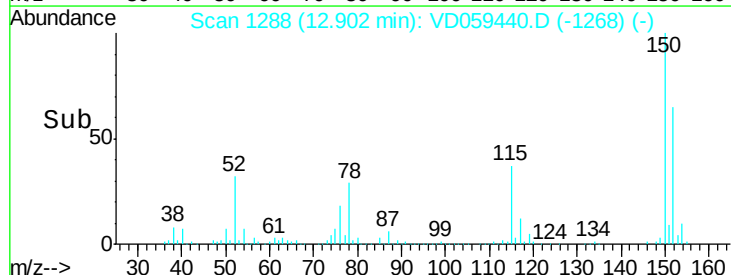
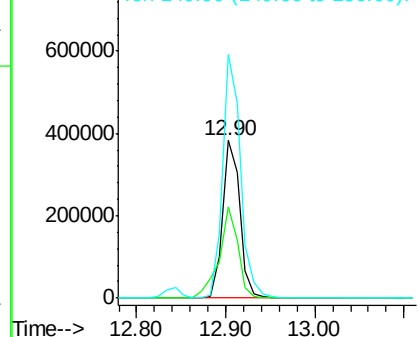


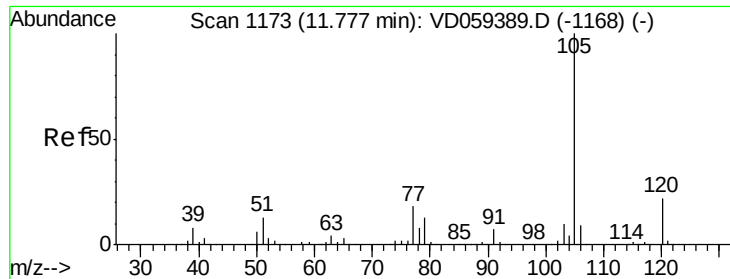
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion:152 Resp: 520427
Ion Ratio Lower Upper
152 100
115 57.8 29.4 88.3
150 154.4 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: 23.36 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

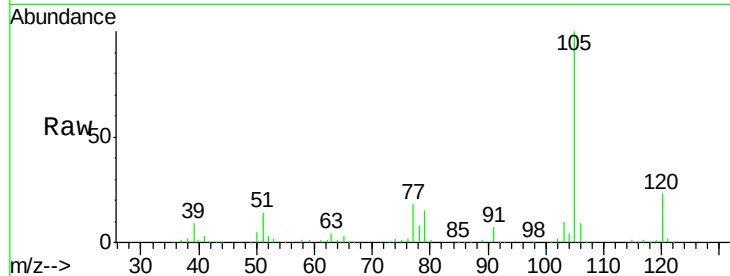
VD0627SBS01

Tot Ion:105 Resp: 686190

Ion Ratio Lower Upper

105 100

120 22.6 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

500000

400000

300000

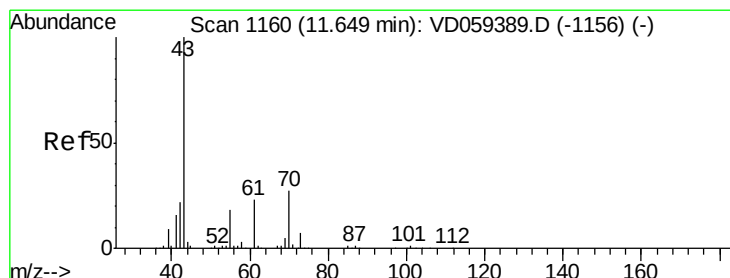
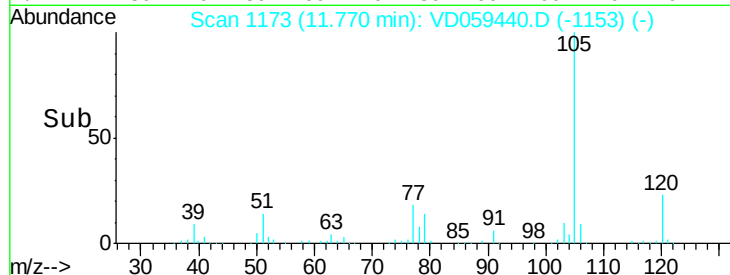
200000

100000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 21.08 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Tgt Ion: 43 Resp: 235594

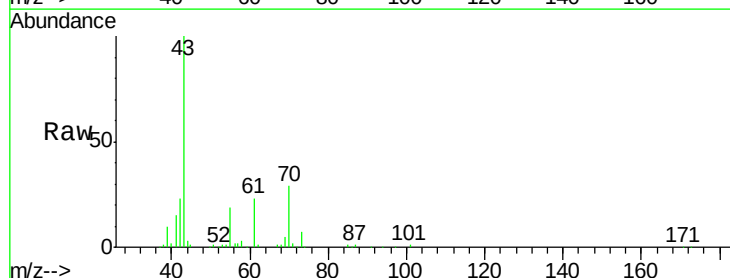
Ion Ratio Lower Upper

43 100

70 28.7 21.7 32.5

55 18.5 14.6 22.0

61 22.7 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

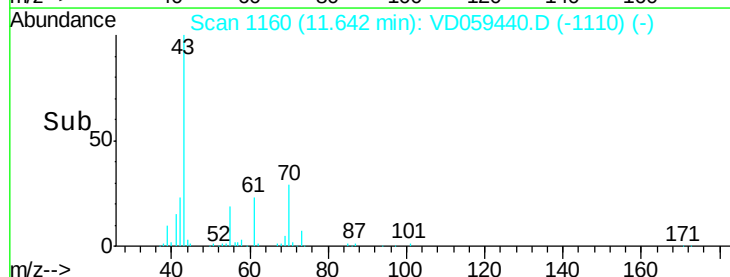
100000

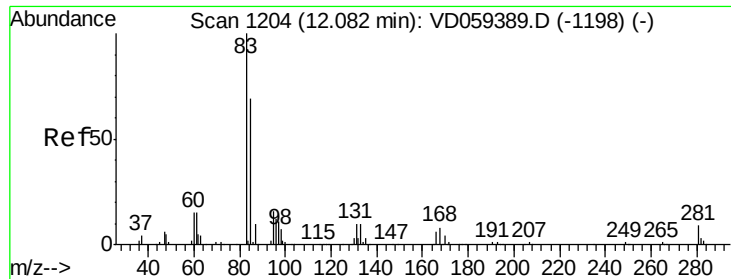
50000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 21.68 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

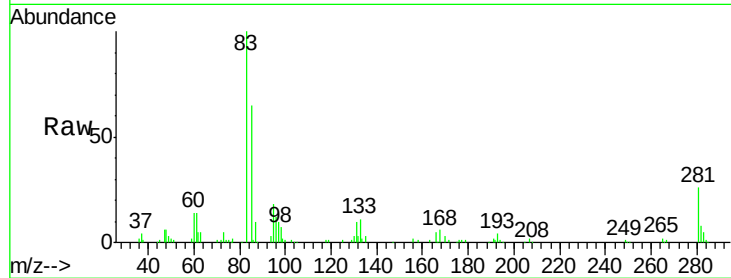
Tot Ion: 83 Resp: 149386

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

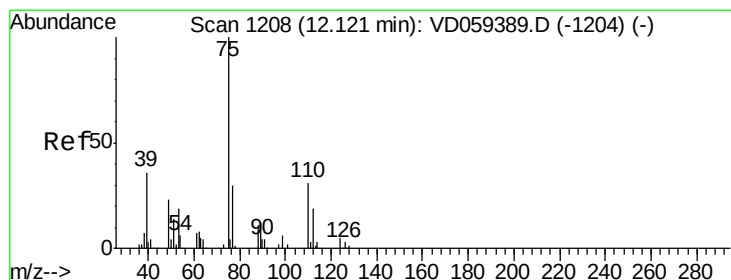
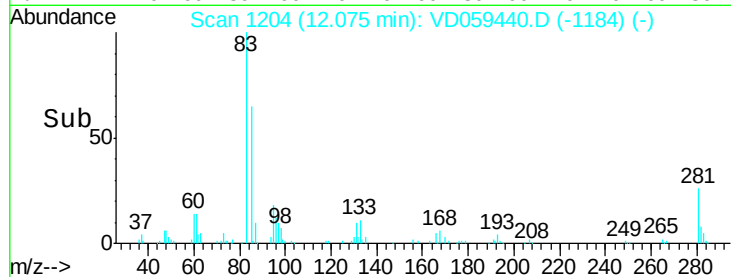
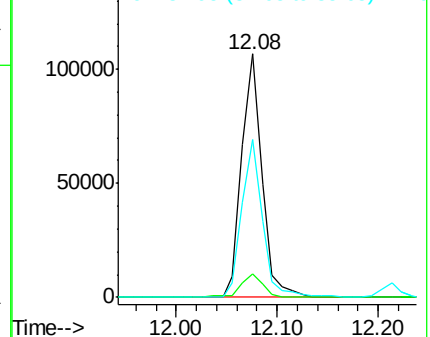
85 64.7 34.6 103.8



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: 22.07 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059440.D

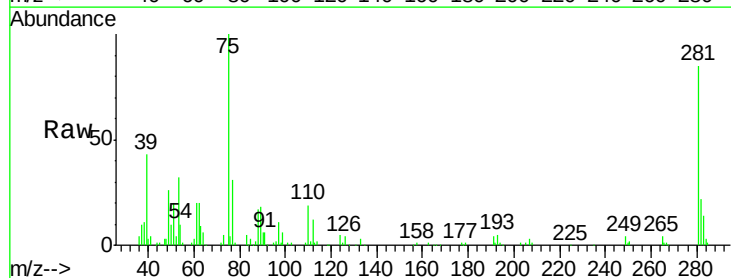
Acq: 27 Jun 2018 13:09

Tgt Ion: 75 Resp: 158452

Ion Ratio Lower Upper

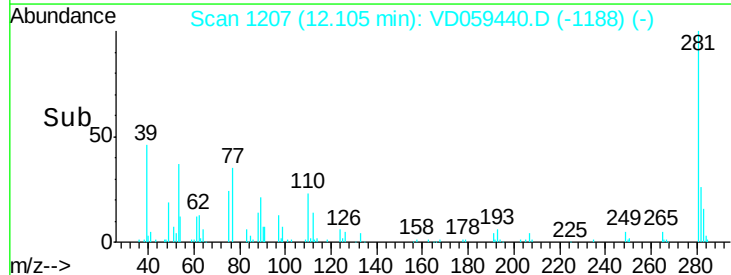
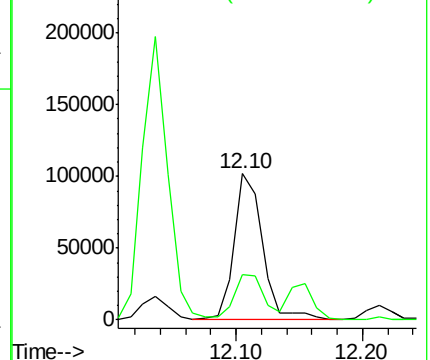
75 100

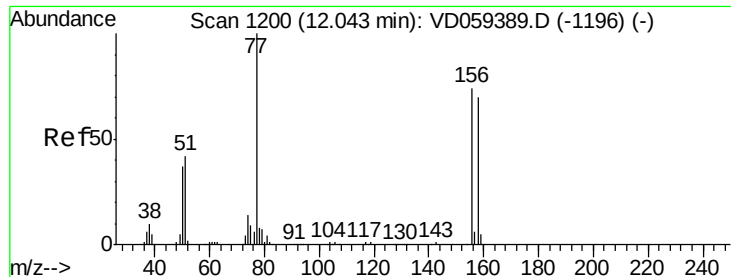
77 31.3 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.04 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

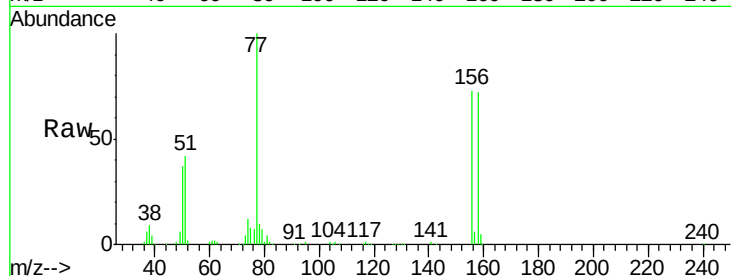
Tot Ion:156 Resp: 203749

Ion Ratio Lower Upper

156 100

77 136.8 68.0 203.8

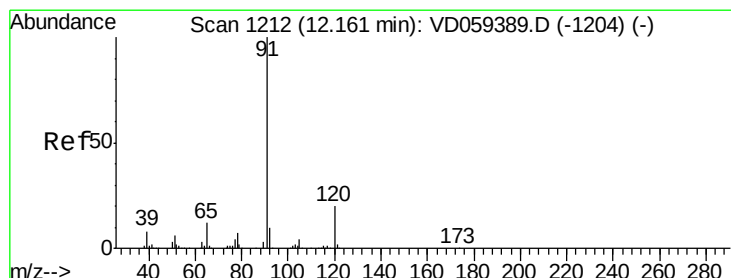
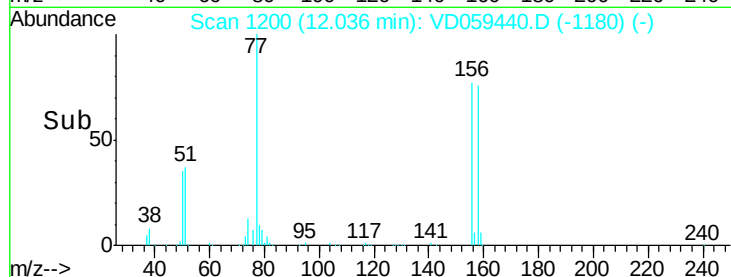
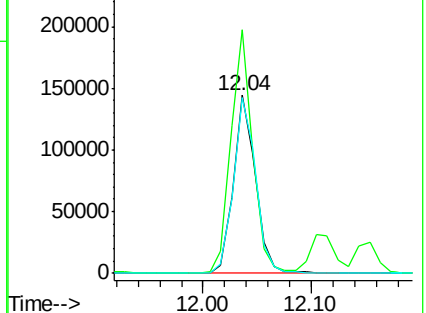
158 98.6 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.83 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059440.D

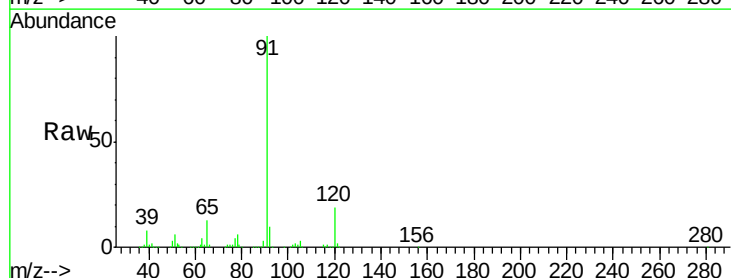
Acq: 27 Jun 2018 13:09

Tgt Ion: 91 Resp: 886288

Ion Ratio Lower Upper

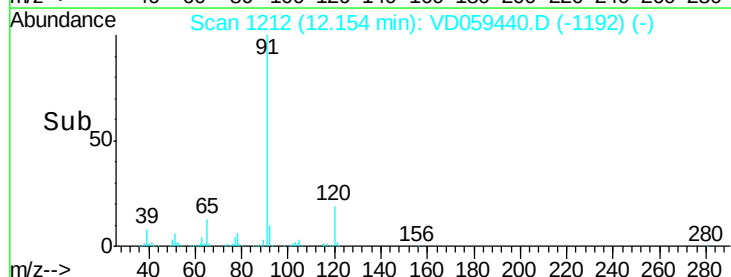
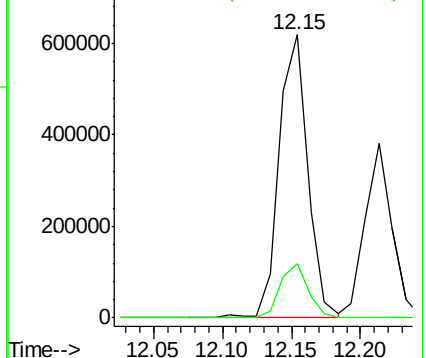
91 100

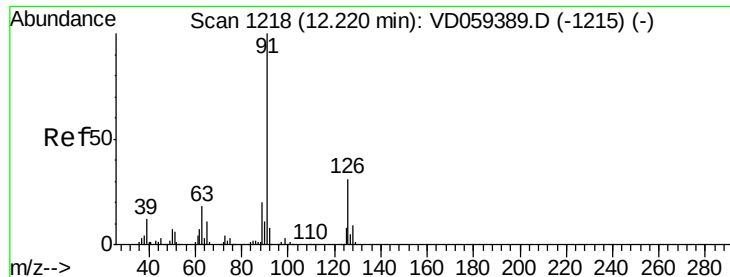
120 19.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

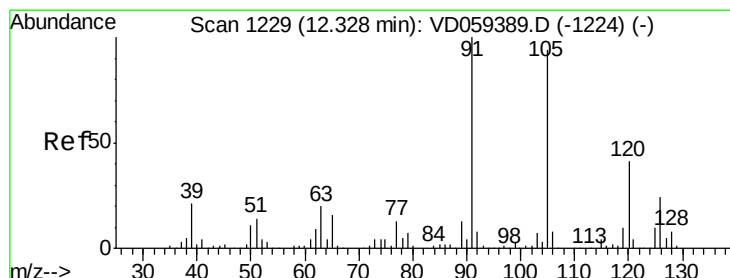
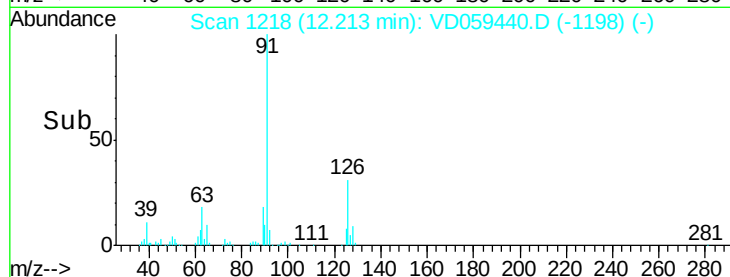
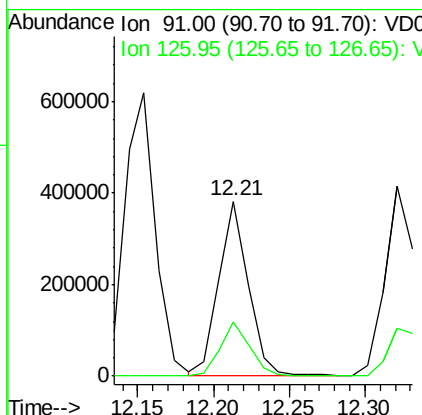
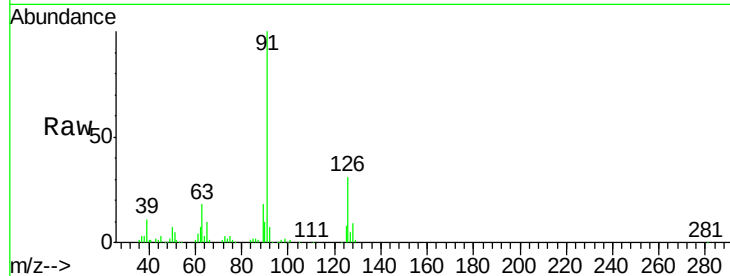




#79
 2-Chlorotoluene
 Concen: 23.77 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

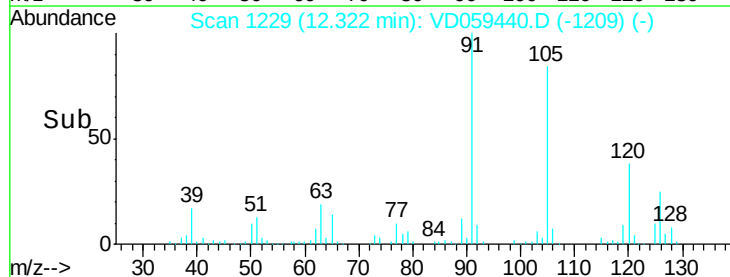
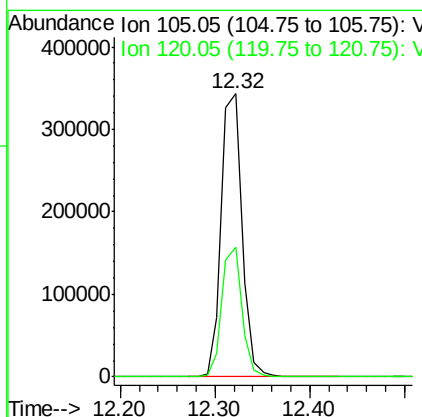
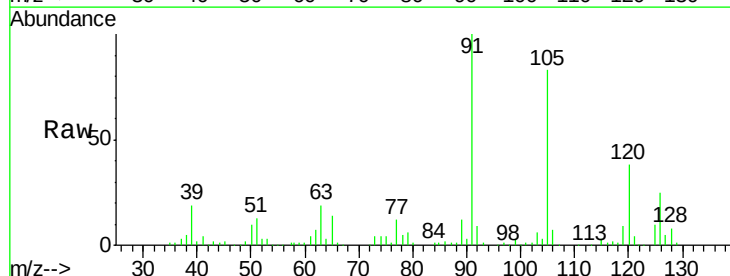
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

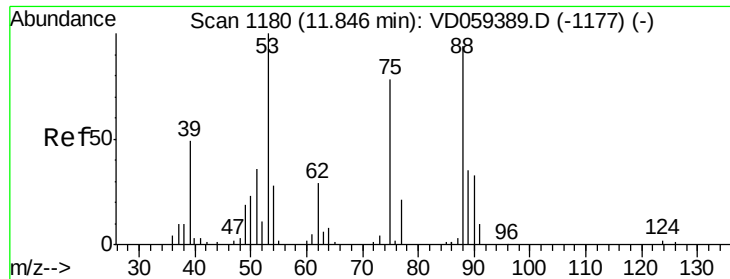
Tot Ion: 91 Resp: 519301
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.42 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion: 105 Resp: 524144
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 22.11 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059440.D

Acq: 27 Jun 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

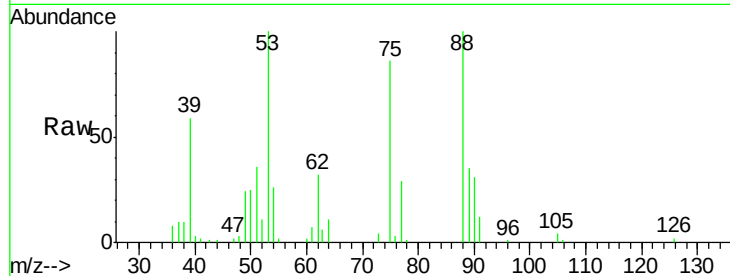
Tot Ion: 75 Resp: 36077

Ion Ratio Lower Upper

75 100

53 115.9 102.6 154.0

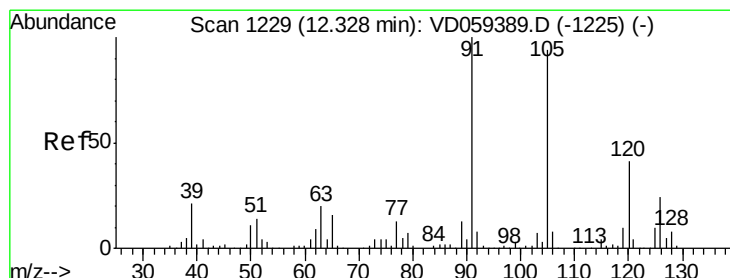
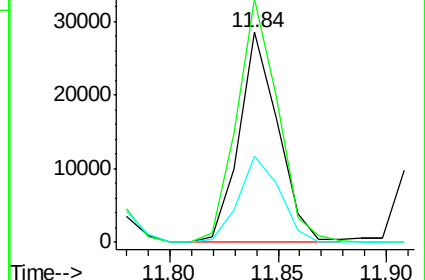
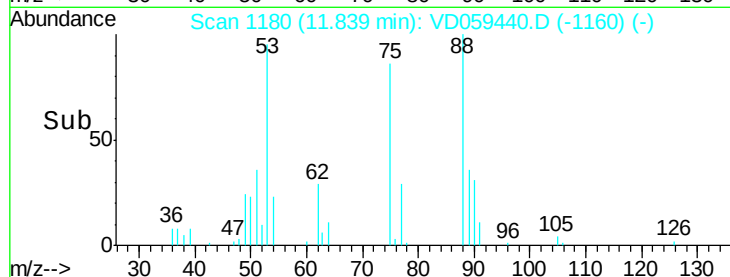
89 41.1 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.20 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059440.D

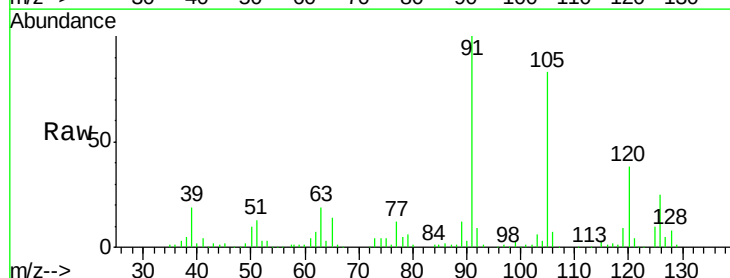
Acq: 27 Jun 2018 13:09

Tgt Ion: 91 Resp: 574669

Ion Ratio Lower Upper

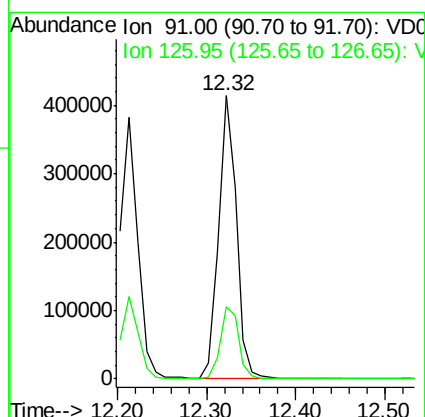
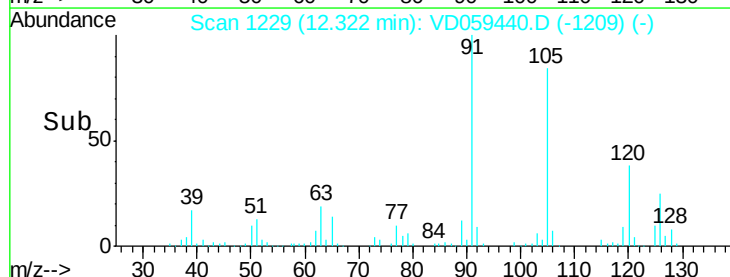
91 100

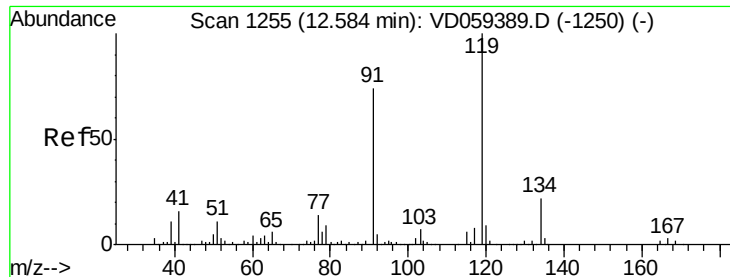
126 25.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

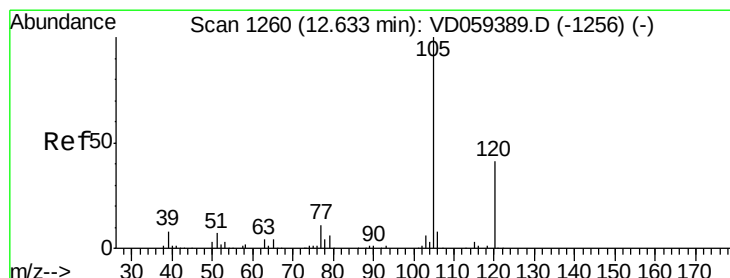
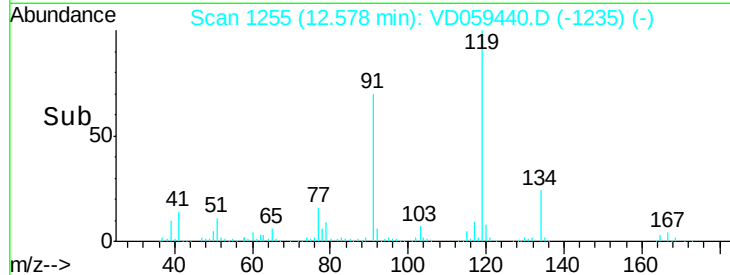
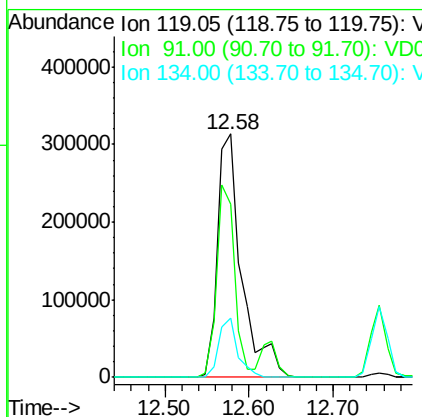
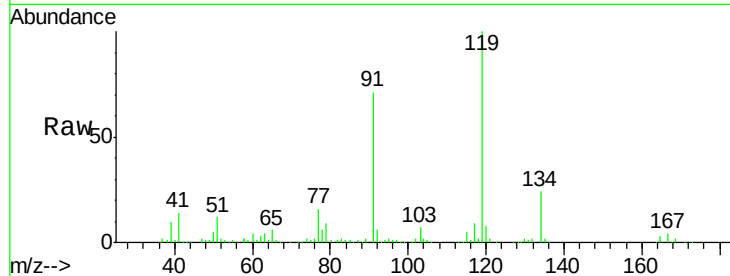




#83
 tert-Butylbenzene
 Concen: 25.19 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

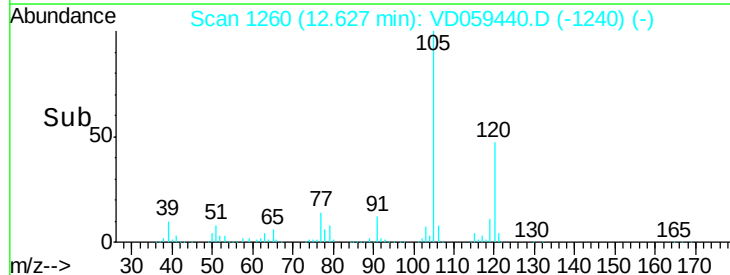
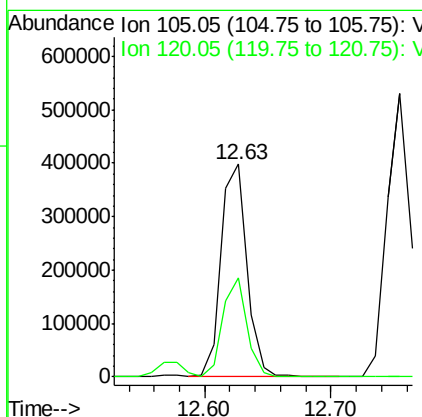
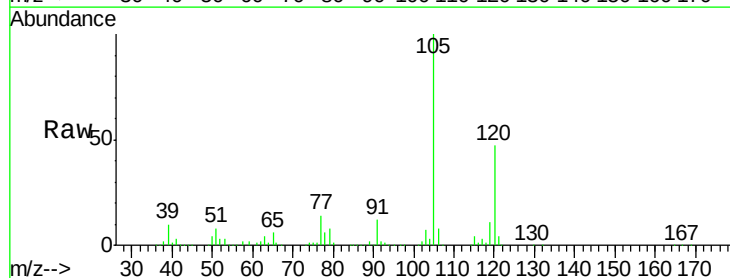
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

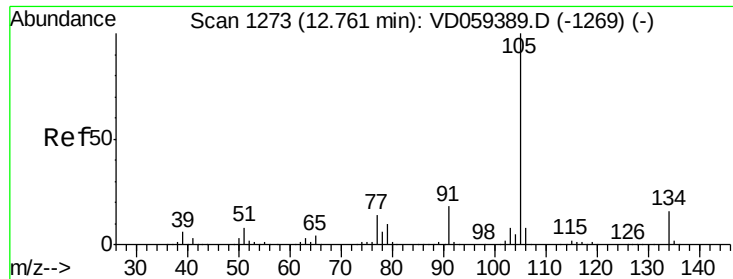
Tot Ion:119 Resp: 626498
 Ion Ratio Lower Upper
 119 100
 91 70.9 36.9 110.7
 134 24.4 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.75 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion:105 Resp: 562963
 Ion Ratio Lower Upper
 105 100
 120 46.5 21.5 64.5

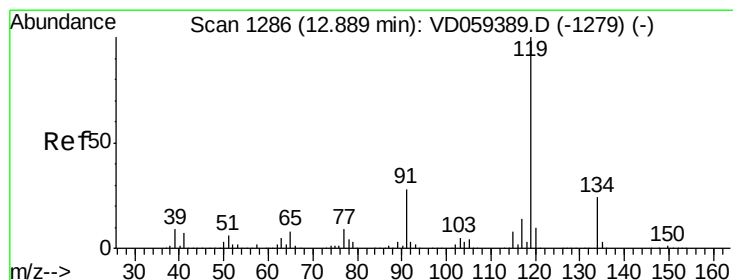
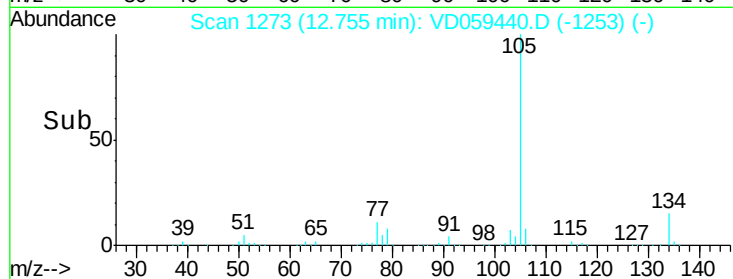
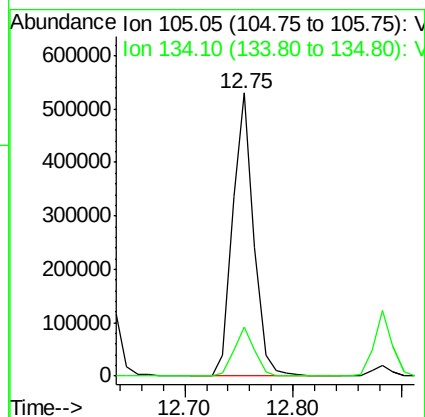
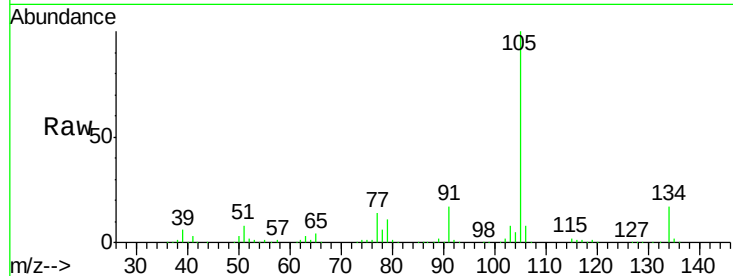




#85
 sec-Butylbenzene
 Concen: 23.32 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

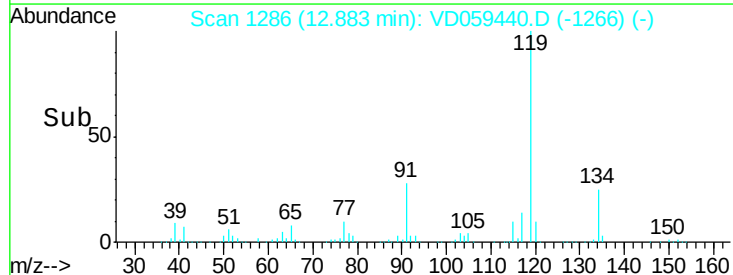
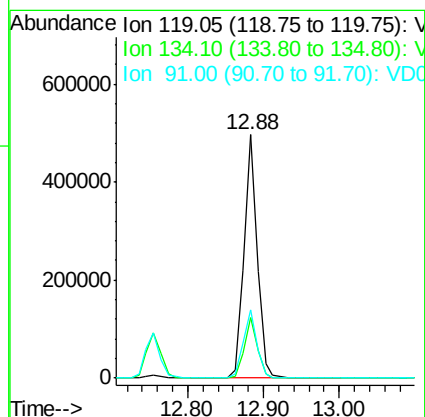
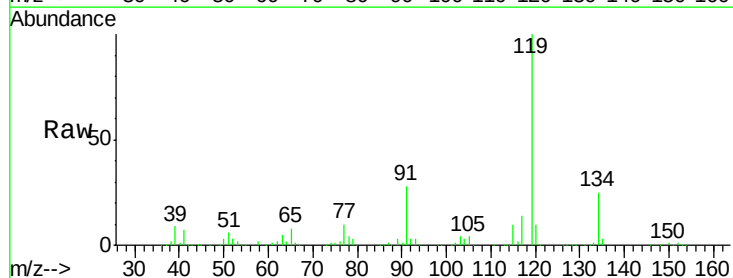
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

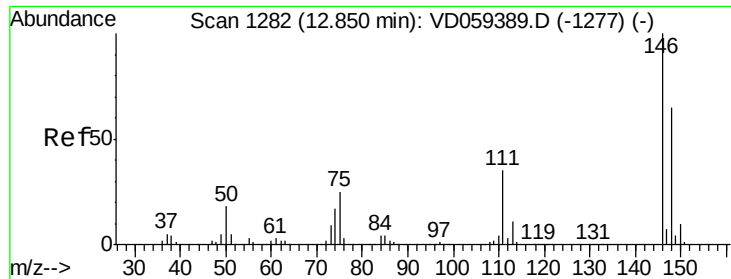
Tot Ion:105 Resp: 711686
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 23.94 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion:119 Resp: 588803
 Ion Ratio Lower Upper
 119 100
 134 24.7 11.9 35.5
 91 27.8 14.1 42.4

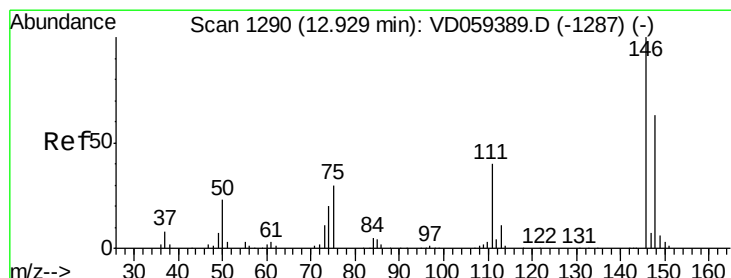
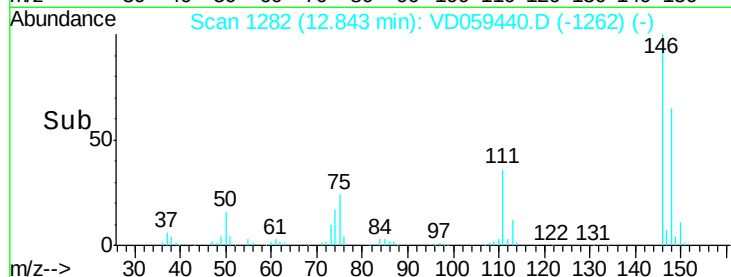
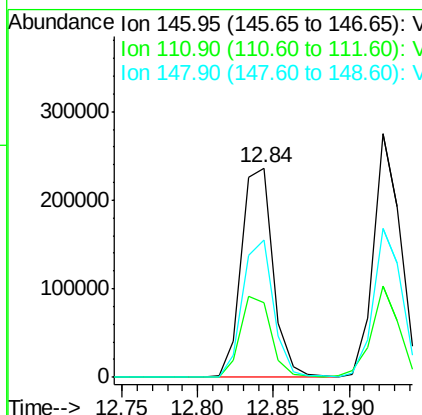
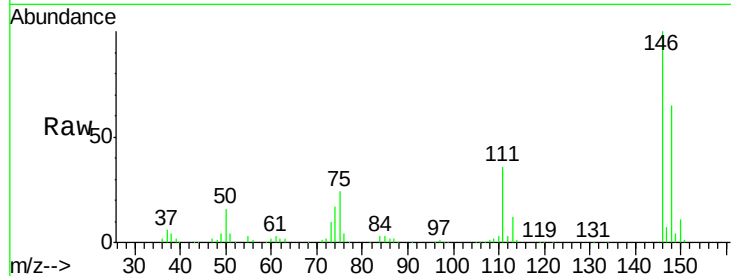




#87
 1,3-Dichlorobenzene
 Concen: 22.69 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

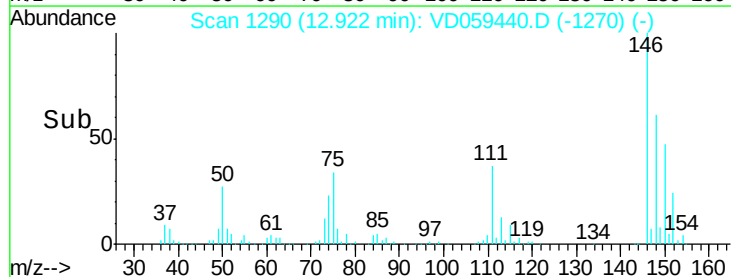
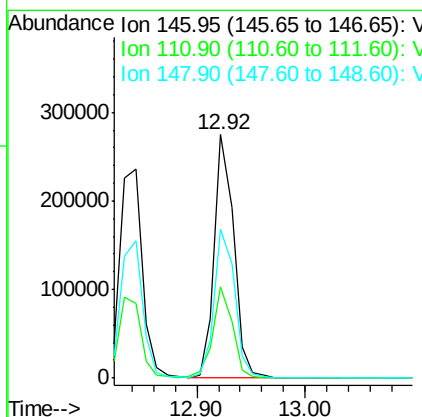
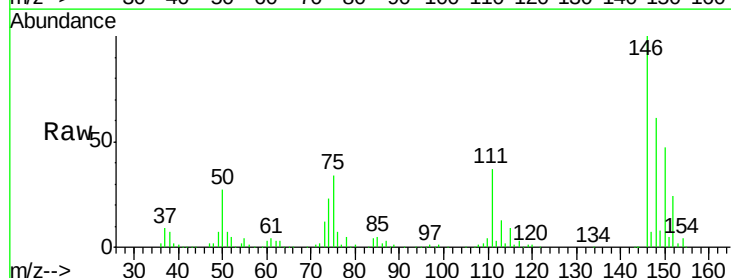
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

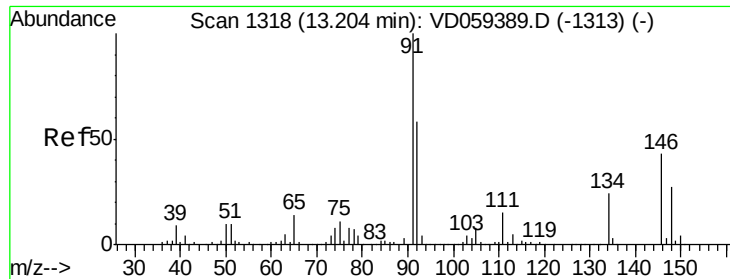
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.6	52.8
148	65.4	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 23.15 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.1	60.2
148	60.9	31.4	94.0

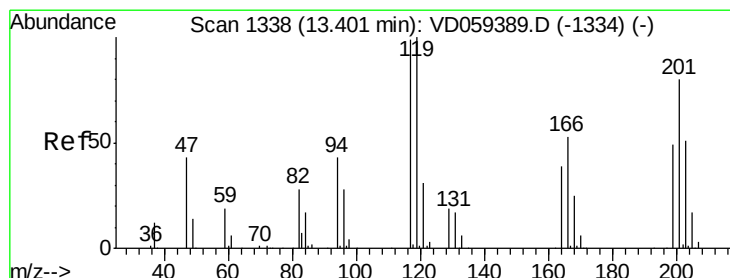
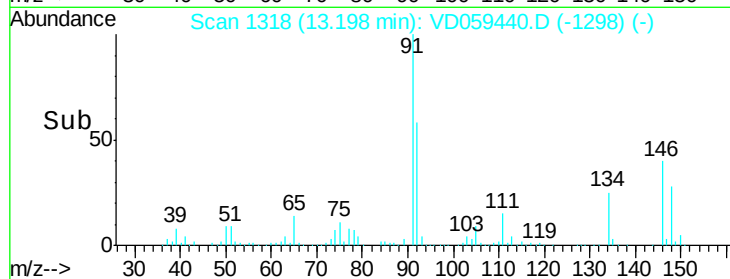
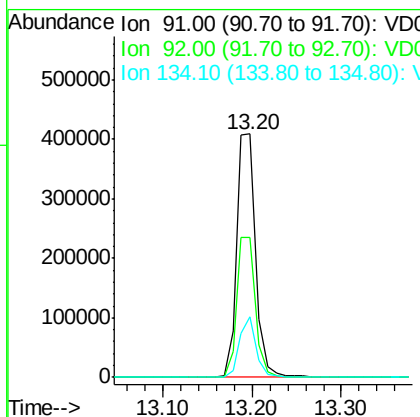
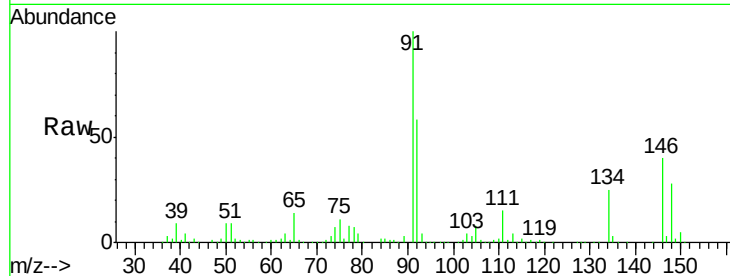




#89
n-Butylbenzene
Concen: 25.06 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

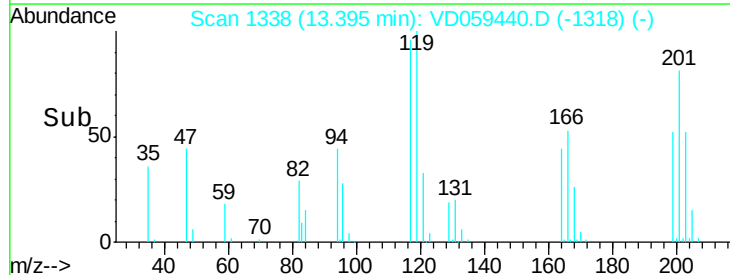
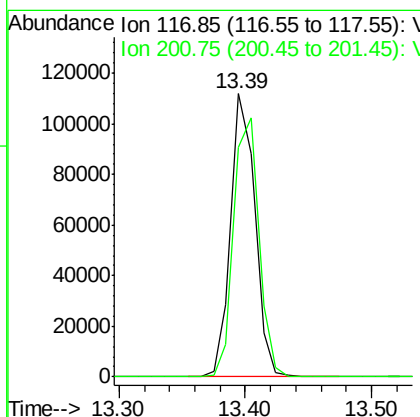
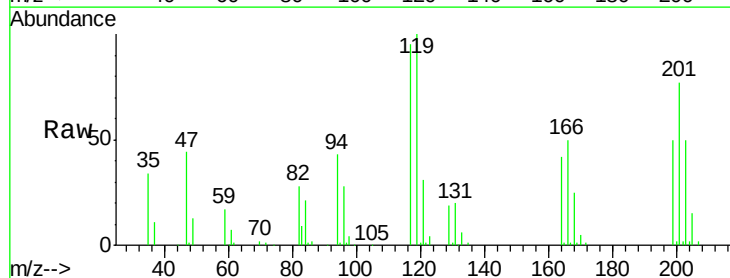
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

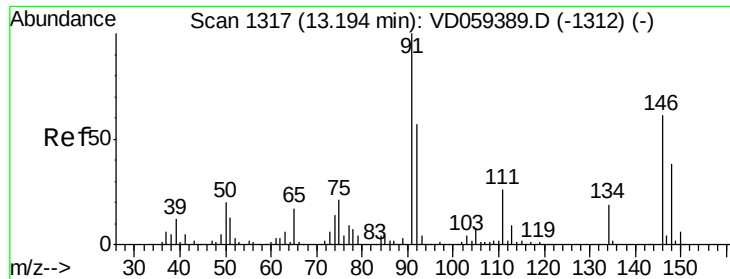
Tot Ion: 91 Resp: 608440
Ion Ratio Lower Upper
91 100
92 57.7 28.8 86.5
134 24.8 11.9 35.7



#90
Hexachloroethane
Concen: 24.20 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion: 117 Resp: 148516
Ion Ratio Lower Upper
117 100
201 81.1 40.1 120.3

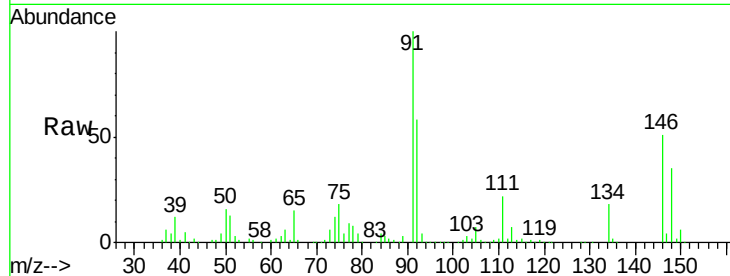




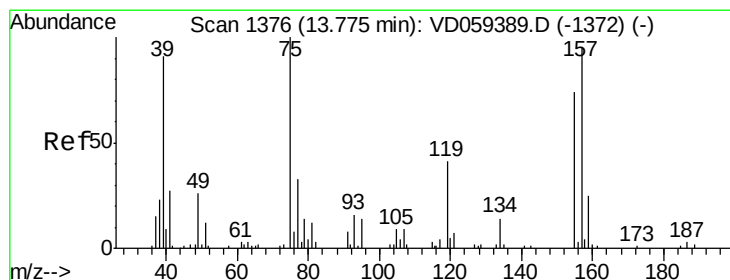
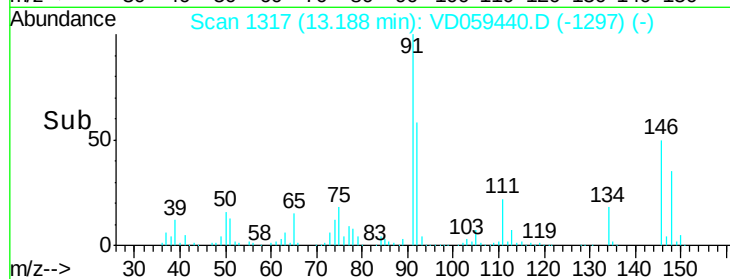
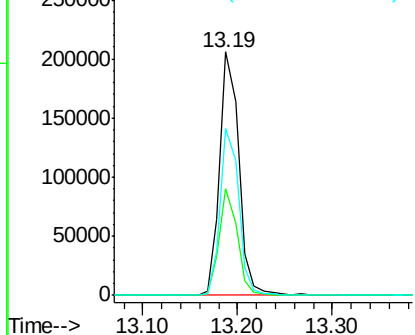
#91
 1,2-Dichlorobenzene
 Concen: 22.44 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0627SBS01

Tot Ion:146 Resp: 289266
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.4 64.2
 148 68.6 31.6 95.0

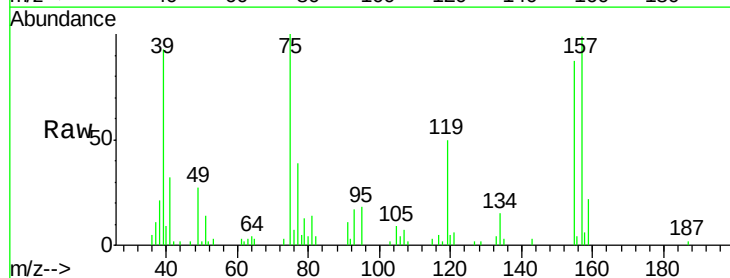


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

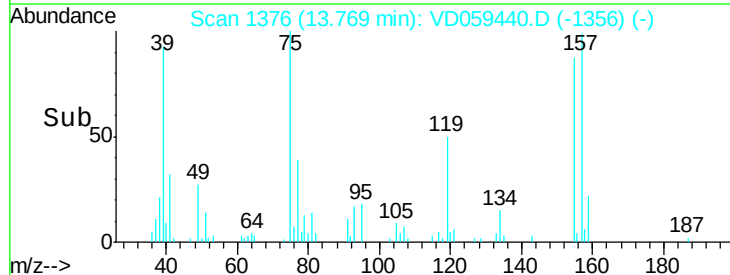
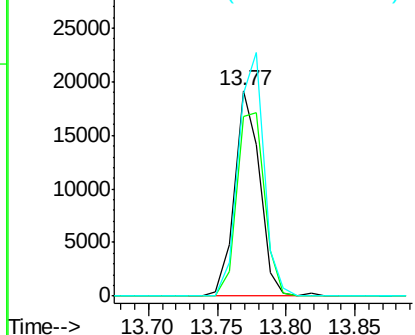


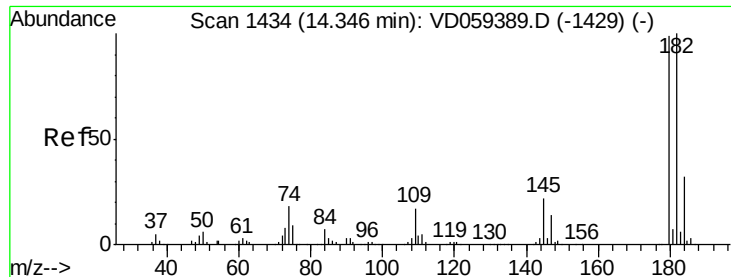
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.53 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion: 75 Resp: 24463
 Ion Ratio Lower Upper
 75 100
 155 87.3 37.2 111.6
 157 98.8 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

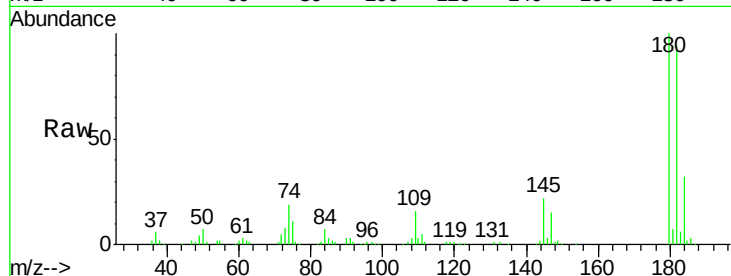




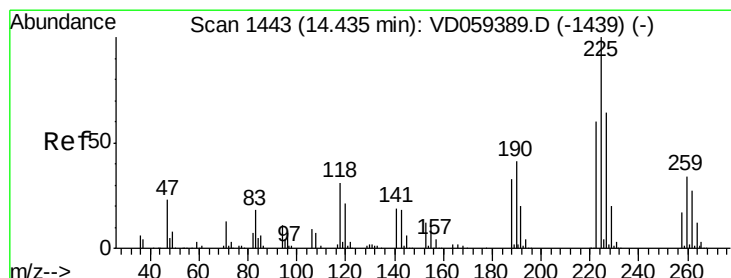
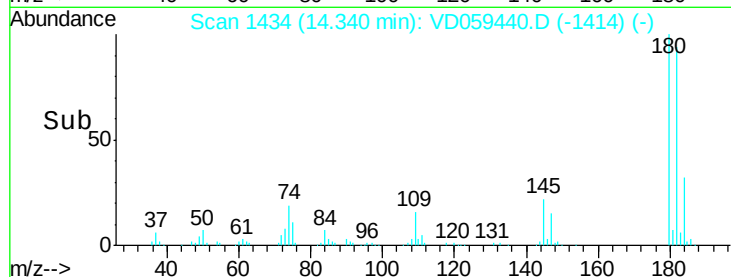
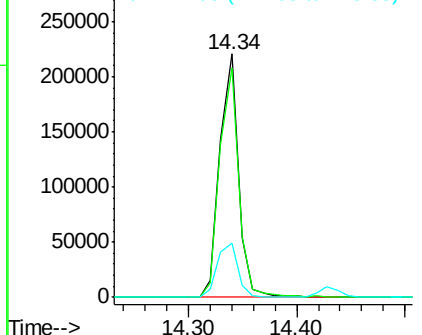
#93
 1,2,4-Trichlorobenzene
 Concen: 22.42 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

Tot Ion:180 Resp: 267208
 Ion Ratio Lower Upper
 180 100
 182 94.1 50.4 151.2
 145 22.1 11.0 33.0

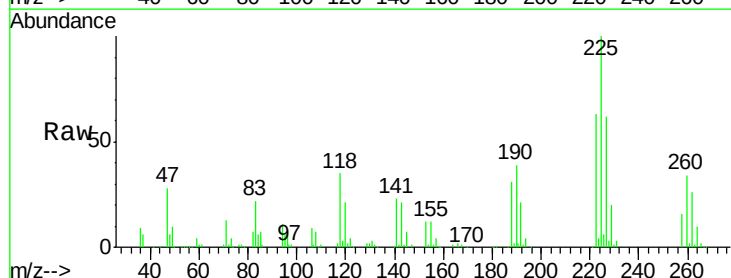


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

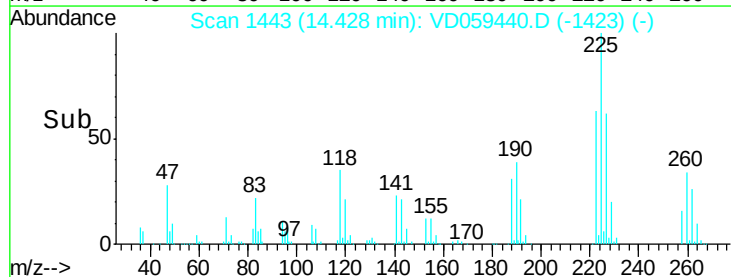
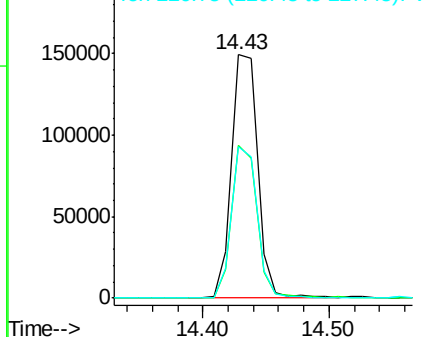


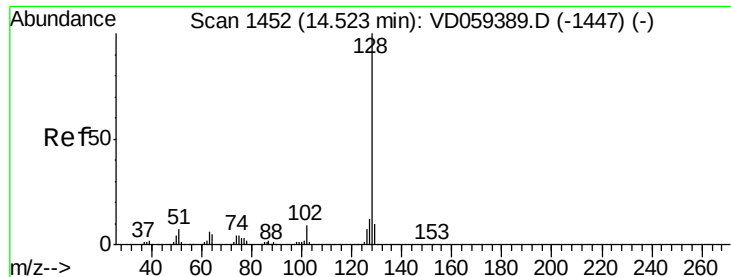
#94
 Hexachlorobutadiene
 Concen: 23.82 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059440.D
 Acq: 27 Jun 2018 13:09

Tgt Ion:225 Resp: 213624
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.0 90.1
 227 61.9 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

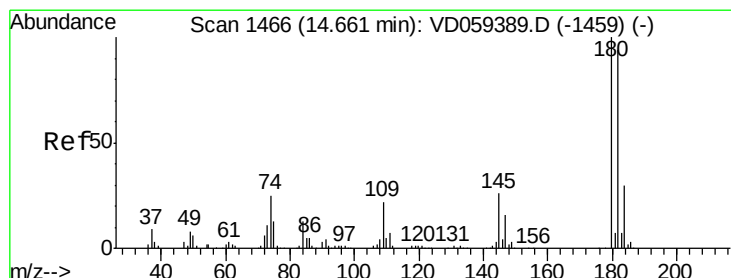
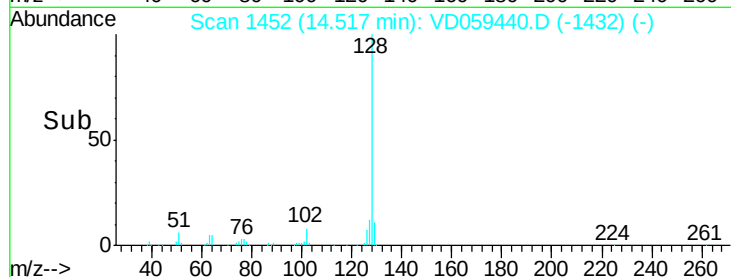
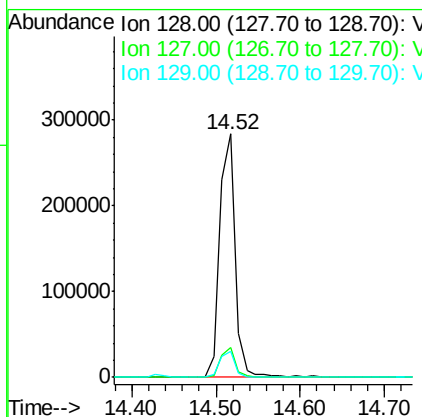
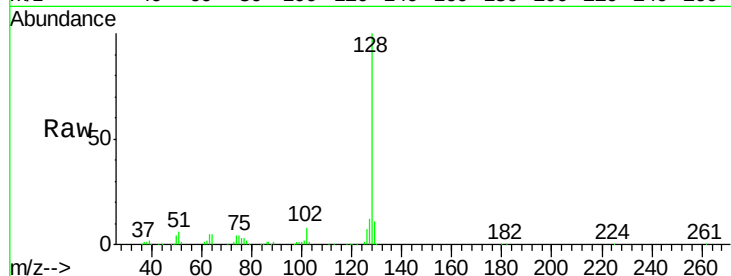




#95
Naphthalene
Concen: 21.84 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion:128 Resp: 362848
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 20.89 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059440.D
Acq: 27 Jun 2018 13:09

Tgt Ion:180 Resp: 223945
Ion Ratio Lower Upper
180 100
182 97.5 47.1 141.4
145 26.5 13.1 39.3

