

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059441.D
 Acq On : 27 Jun 2018 13:37
 Operator : VA/AP
 Sample : VD0627SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 15:05:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	999462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1320252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1032307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	538767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	423237	41.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	82.82%	
35) Dibromofluoromethane	5.55	113	457627	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	
50) Toluene-d8	8.70	98	1039080	41.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	82.66%	
62) 4-Bromofluorobenzene	11.93	95	446562	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	215545	24.24	ug/l	94
3) Chloromethane	1.50	50	101997	22.04	ug/l	# 85
4) Vinyl Chloride	1.56	62	101001	21.04	ug/l	96
5) Bromomethane	1.80	94	31042	16.75	ug/l	100
6) Chloroethane	1.89	64	39460	17.91	ug/l	94
7) Trichlorofluoromethane	2.09	101	151304	21.86	ug/l	99
8) Diethyl Ether	2.35	74	33602	21.45	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	102540	23.84	ug/l	95
10) Methyl Iodide	2.70	142	98251	19.55	ug/l	99
11) Tert butyl alcohol	3.29	59	24451	69.15	ug/l	99
12) 1,1-Dichloroethene	2.55	96	77137	23.42	ug/l	93
13) Acrolein	2.48	56	33855	107.10	ug/l	91
14) Allyl chloride	2.92	41	160015	21.23	ug/l	93
15) Acrylonitrile	3.39	53	120320	110.87	ug/l	95
16) Acetone	2.62	43	142958	110.82	ug/l	99
17) Carbon Disulfide	2.76	76	220625	21.87	ug/l	98
18) Methyl Acetate	2.95	43	52666	17.21	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	339432	20.94	ug/l	100
20) Methylene Chloride	3.07	84	95386	25.44	ug/l	91
21) trans-1,2-Dichloroethene	3.39	96	151616	26.04	ug/l	94
22) Diisopropyl ether	4.07	45	610288	21.52	ug/l	100
23) Vinyl Acetate	4.03	43	1621618	109.74	ug/l	100
24) 1,1-Dichloroethane	3.98	63	358199	22.07	ug/l	99
25) 2-Butanone	4.84	43	271671	100.54	ug/l	100
26) 2,2-Dichloropropane	4.80	77	307524	24.43	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	192505	19.67	ug/l	97
28) Bromochloromethane	5.15	49	143586	20.41	ug/l	97
29) Tetrahydrofuran	5.19	42	143600	97.15	ug/l	97
30) Chloroform	5.32	83	385879	21.82	ug/l	94
31) Cyclohexane	5.60	56	265688	22.68	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	305987	21.36	ug/l	98
36) 1,1-Dichloropropene	5.75	75	260567	21.76	ug/l	96
37) Ethyl Acetate	4.93	43	142803	19.58	ug/l	96
38) Carbon Tetrachloride	5.73	117	259996	21.06	ug/l	90

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Instrument :
 MSVOA_D
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Quant Time: Jun 27 15:05:40 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)
39) Methylcyclohexane	7.28	83	250808	22.08	ug/l	97
40) Benzene	6.01	78	627600	21.84	ug/l	99
41) Methacrylonitrile	5.13	41	63959	18.21	ug/l #	92
42) 1,2-Dichloroethane	6.13	62	246234	19.39	ug/l	96
43) Isopropyl Acetate	7.62	43	171849	18.76	ug/l #	93
44) Trichloroethene	6.98	130	187338	19.91	ug/l	96
45) 1,2-Dichloropropane	7.34	63	163151	20.50	ug/l	96
46) Dibromomethane	7.46	93	114324	19.97	ug/l	91
47) Bromodichloromethane	7.74	83	263129	20.54	ug/l	97
48) Methyl methacrylate	7.50	41	100096	17.94	ug/l	99
49) 1,4-Dioxane	7.48	88	21208	378.95	ug/l #	85
51) 4-Methyl-2-Pentanone	8.59	43	583257	95.56	ug/l	98
52) Toluene	8.80	92	344593	20.08	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	225929	21.11	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	260905	21.05	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	118289	18.98	ug/l	93
56) Ethyl methacrylate	9.31	69	140098	19.70	ug/l	98
57) 1,3-Dichloropropane	9.67	76	213662	20.96	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	363500	99.30	ug/l	99
59) 2-Hexanone	9.78	43	442791	102.07	ug/l	96
60) Dibromochloromethane	9.95	129	168900	19.35	ug/l	92
61) 1,2-Dibromoethane	10.09	107	137562	19.82	ug/l	98
64) Tetrachloroethene	9.51	164	174621	19.28	ug/l	96
65) Chlorobenzene	10.72	112	398670	21.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	160263	22.12	ug/l	94
67) Ethyl Benzene	10.86	91	769583	24.16	ug/l	99
68) m/p-Xylenes	11.01	106	469226	44.40	ug/l	97
69) o-Xylene	11.40	106	235771	22.57	ug/l	95
70) Styrene	11.43	104	388836	21.71	ug/l	100
71) Bromoform	11.60	173	117041	19.50	ug/l	100
73) Isopropylbenzene	11.77	105	686593	22.58	ug/l	96
74) N-amyl acetate	11.64	43	220241	19.04	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	141731	19.87	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	141929	19.10	ug/l	94
77) Bromobenzene	12.04	156	202262	21.14	ug/l	89
78) n-propylbenzene	12.15	91	863826	22.43	ug/l	95
79) 2-Chlorotoluene	12.22	91	500072	22.11	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	560536	23.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	33778	20.00	ug/l	96
82) 4-Chlorotoluene	12.32	91	578841	22.57	ug/l	93
83) tert-Butylbenzene	12.57	119	607382	23.59	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	558477	21.80	ug/l	97
85) sec-Butylbenzene	12.76	105	708955	22.44	ug/l	98
86) p-Isopropyltoluene	12.88	119	582046	22.86	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	352452	22.39	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	343564	22.12	ug/l	94
89) n-Butylbenzene	13.19	91	615043	24.47	ug/l	98
90) Hexachloroethane	13.40	117	141849	22.33	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	303579	22.74	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22913	19.48	ug/l	75

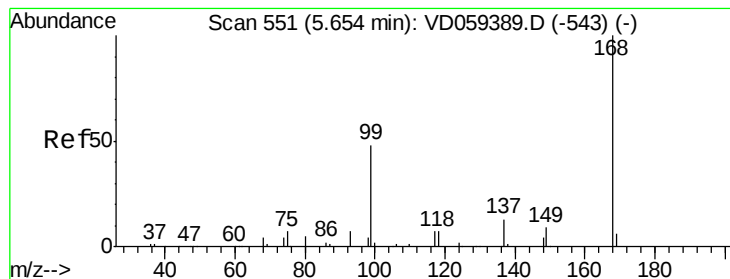
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
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Quant Time: Jun 27 15:05:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	287189	23.27	ug/l	92
94) Hexachlorobutadiene	14.43	225	208370	22.44	ug/l	99
95) Naphthalene	14.51	128	348987	20.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	233125	21.01	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

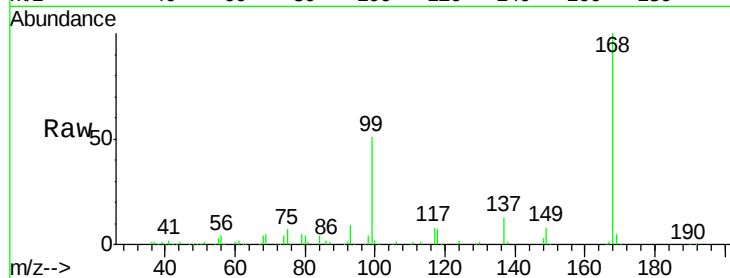
ClientSampleId :

Tot Ion:168 Resp: 999462

Ion Ratio Lower Upper

168 100

99 50.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

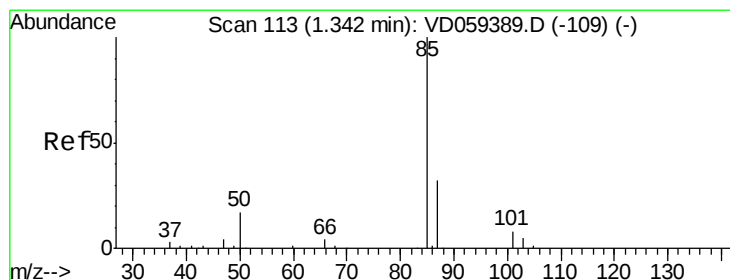
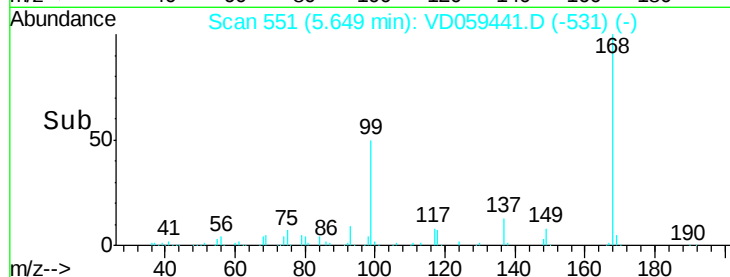
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.24 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD059441.D

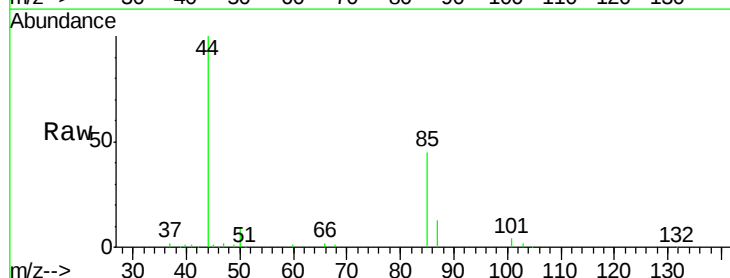
Acq: 27 Jun 2018 13:37

Tgt Ion: 85 Resp: 215545

Ion Ratio Lower Upper

85 100

87 28.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

80000

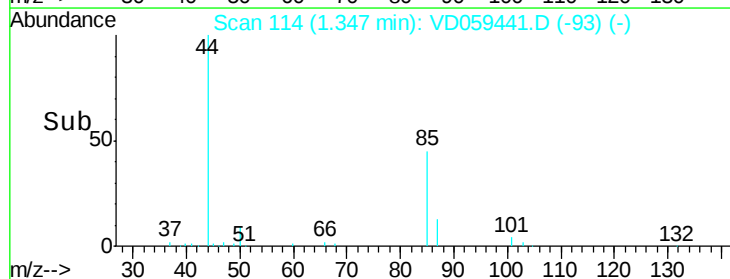
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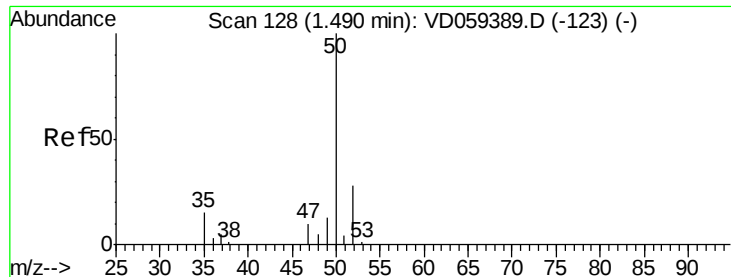
40000

20000

0

Time-->





#3

Chloromethane

Concen: 22.04 ug/l

RT: 1.50 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

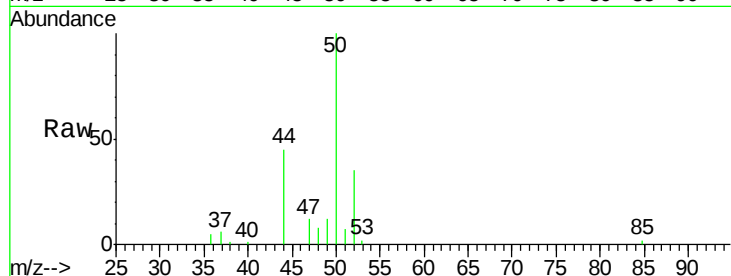
ClientSampleId :

Tot Ion: 50 Resp: 101997

Ion Ratio Lower Upper

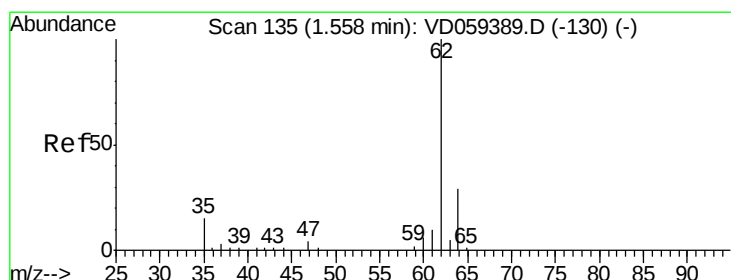
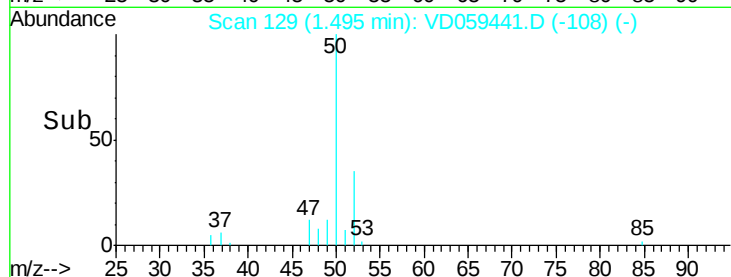
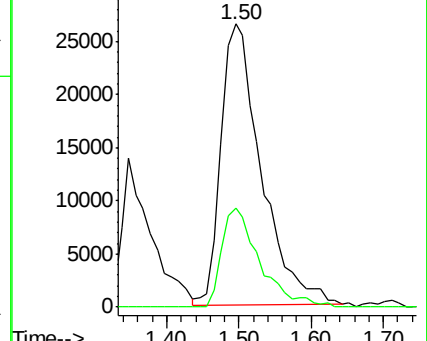
50 100

52 35.0 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: 21.04 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD059441.D

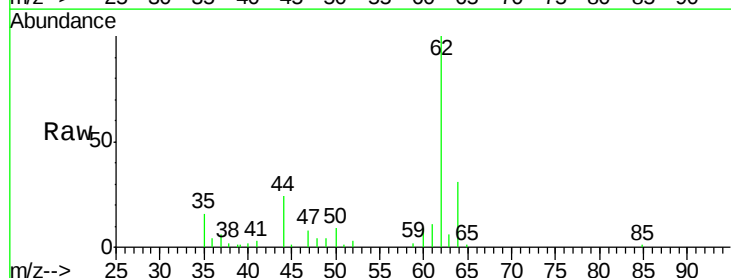
Acq: 27 Jun 2018 13:37

Tgt Ion: 62 Resp: 101001

Ion Ratio Lower Upper

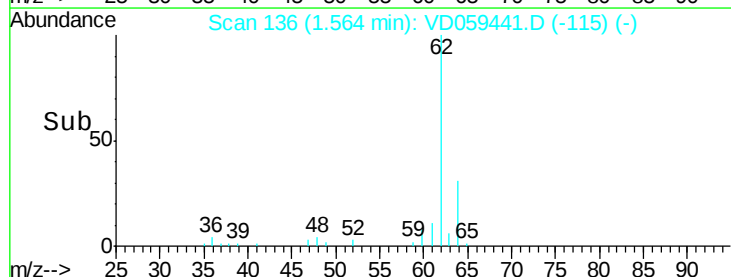
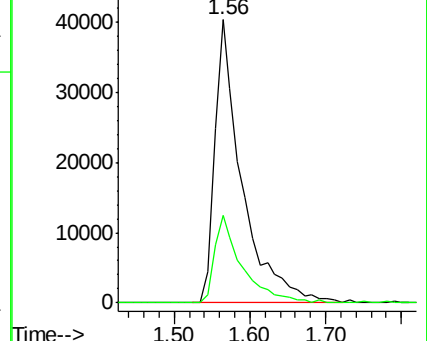
62 100

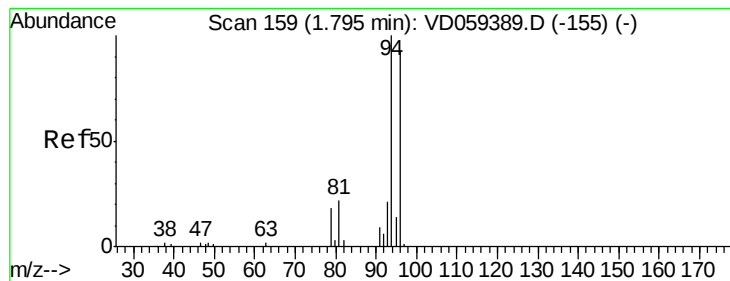
64 31.1 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.75 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

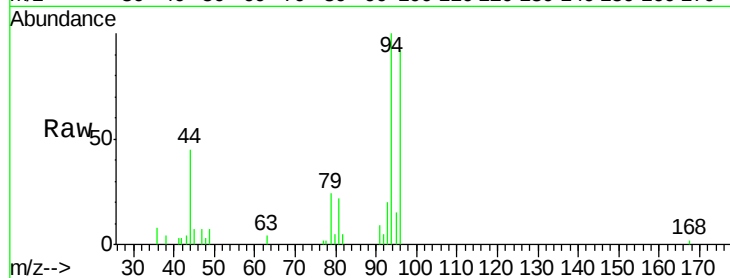
ClientSampleId :

Tot Ion: 94 Resp: 31042

Ion Ratio Lower Upper

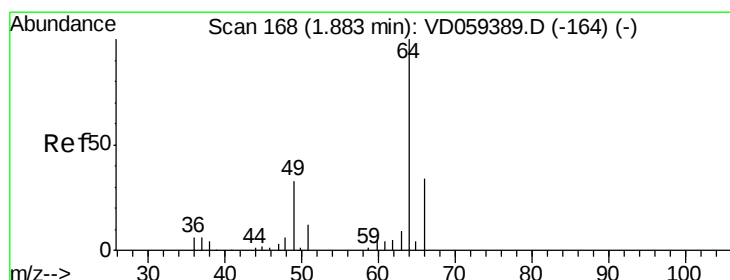
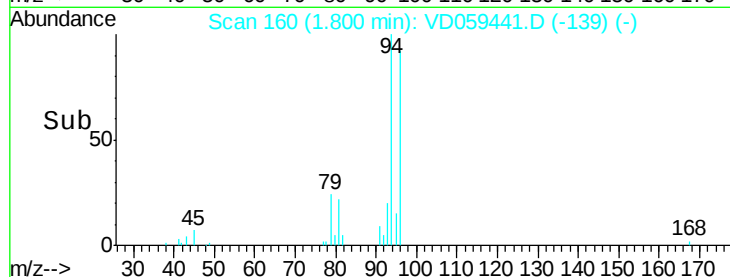
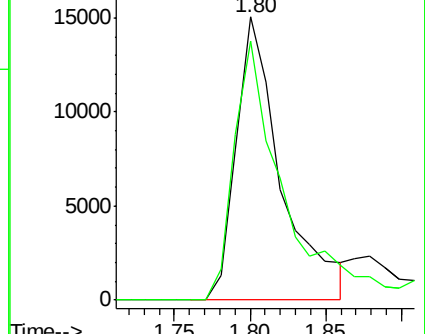
94 100

96 91.7 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.91 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD059441.D

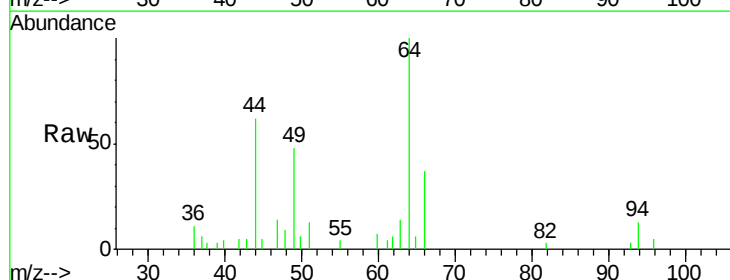
Acq: 27 Jun 2018 13:37

Tgt Ion: 64 Resp: 39460

Ion Ratio Lower Upper

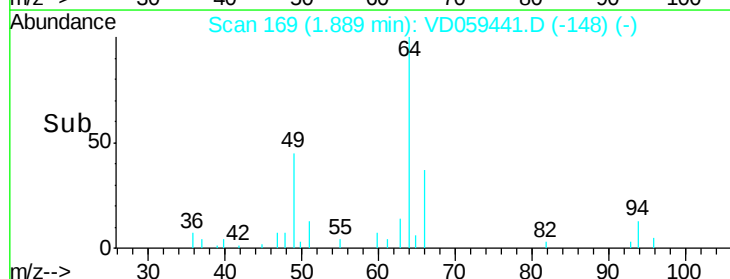
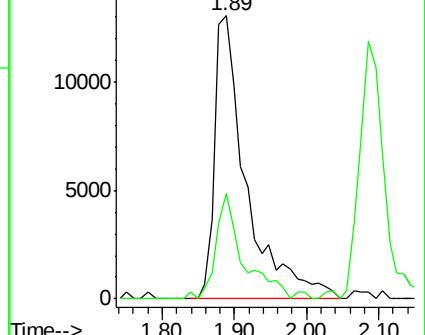
64 100

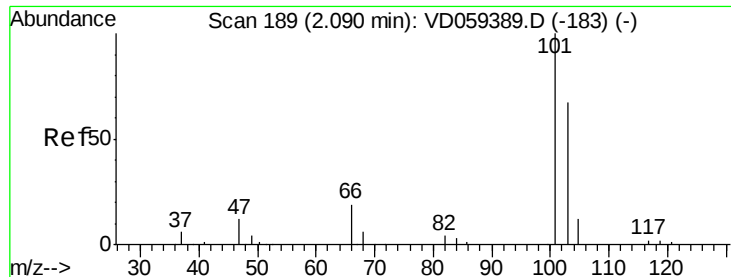
66 37.4 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



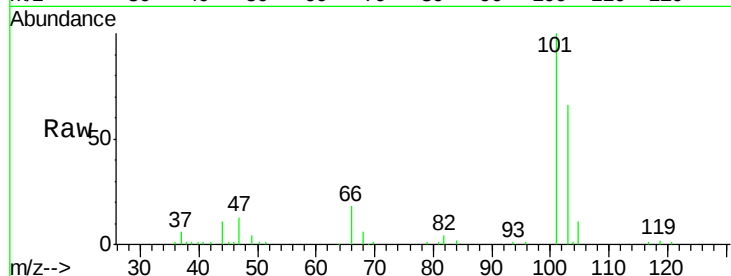


#7

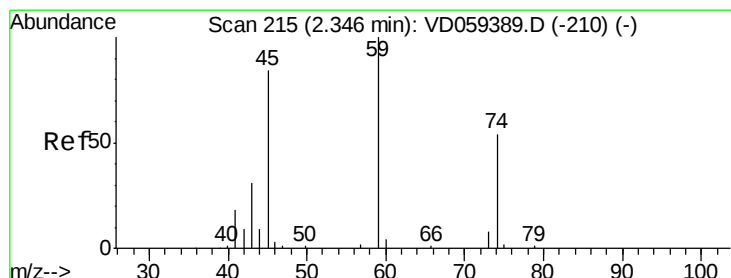
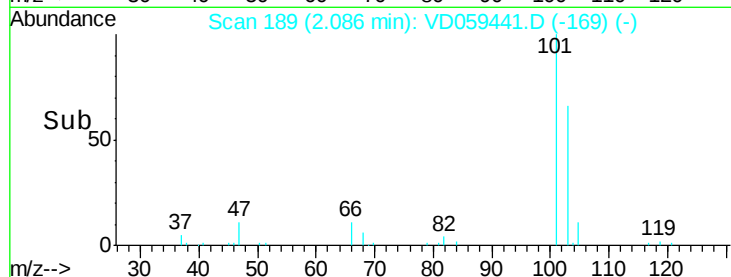
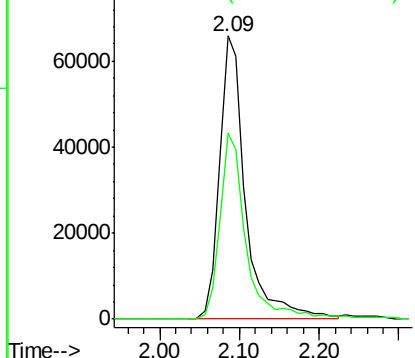
Trichlorofluoromethane
Concen: 21.86 ug/l
RT: 2.09 min Scan# 189
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 151304
Ion Ratio Lower Upper
101 100
103 65.6 53.4 80.0



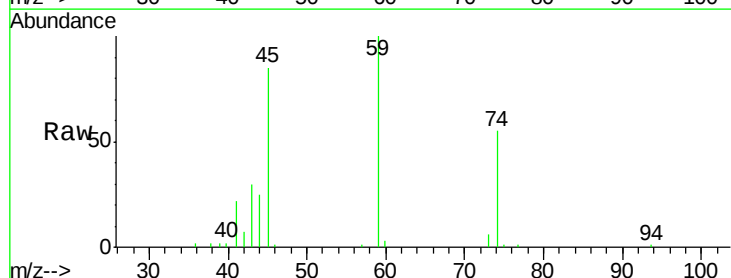
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



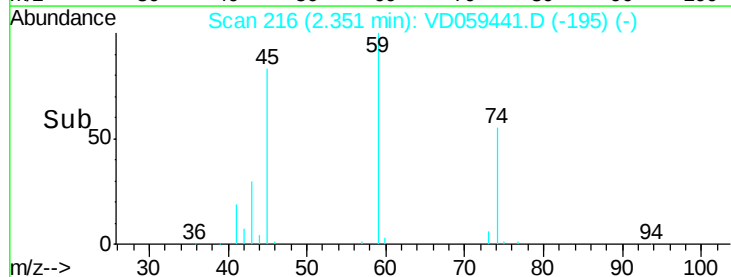
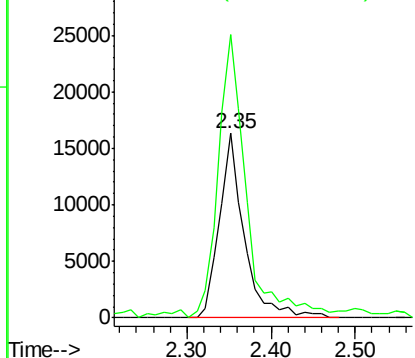
#8

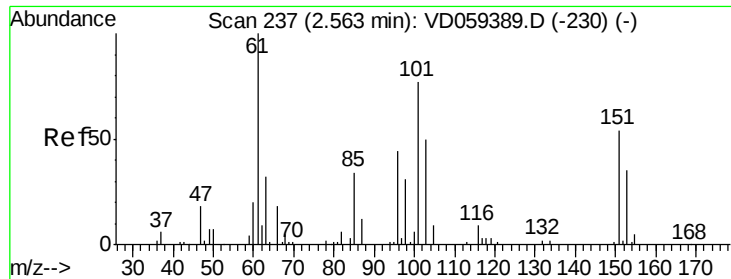
Diethyl Ether
Concen: 21.45 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 74 Resp: 33602
Ion Ratio Lower Upper
74 100
45 153.2 78.0 233.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.84 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

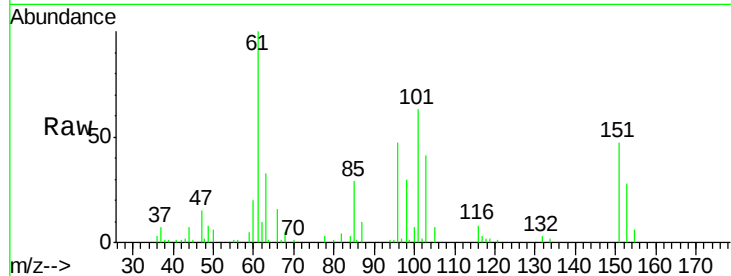
Tot Ion:101 Resp: 102540

Ion Ratio Lower Upper

101 100

85 46.0 35.7 53.5

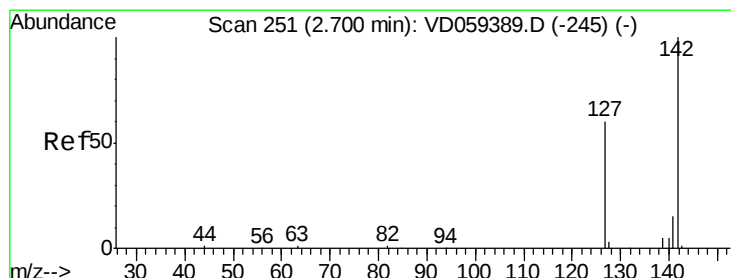
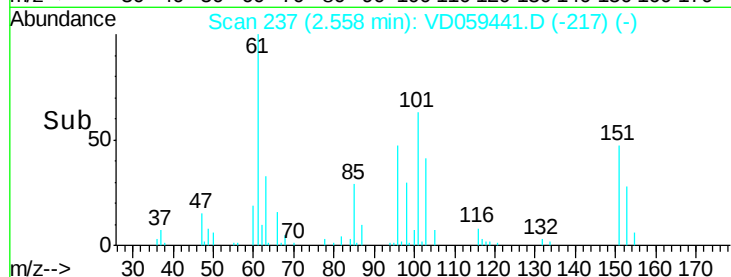
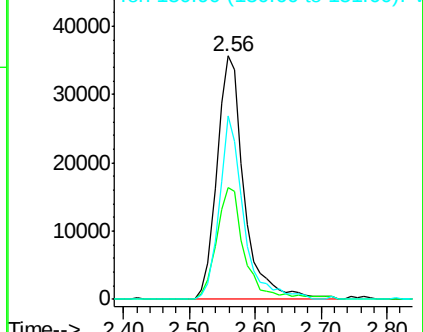
151 75.2 55.8 83.8



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: 19.55 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

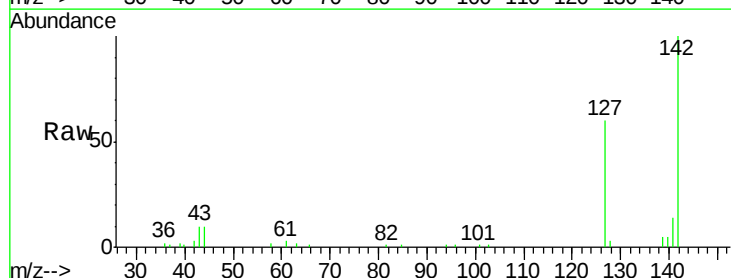
Tgt Ion:142 Resp: 98251

Ion Ratio Lower Upper

142 100

127 60.3 48.4 72.6

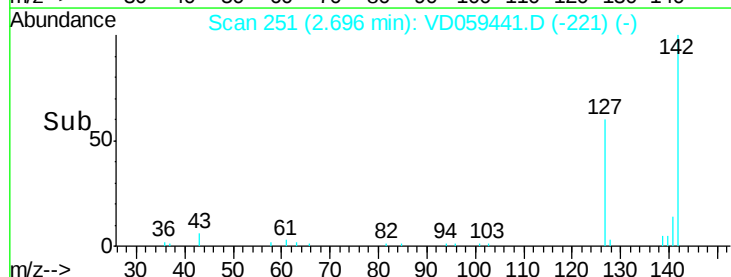
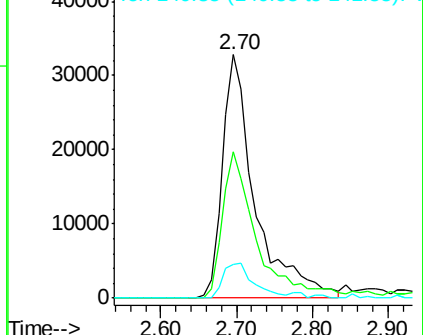
141 13.6 12.1 18.1

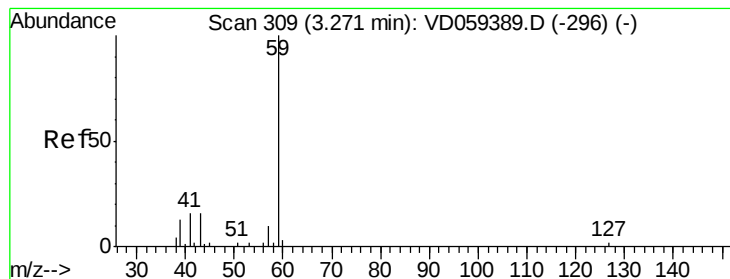


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



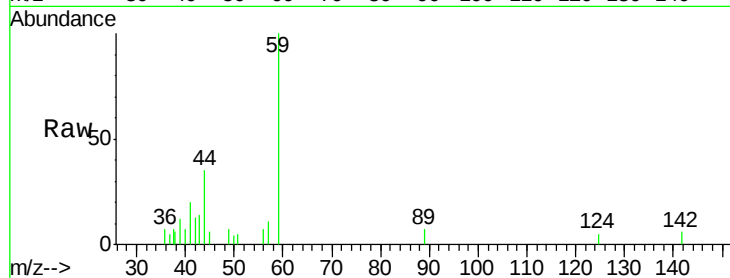


#11

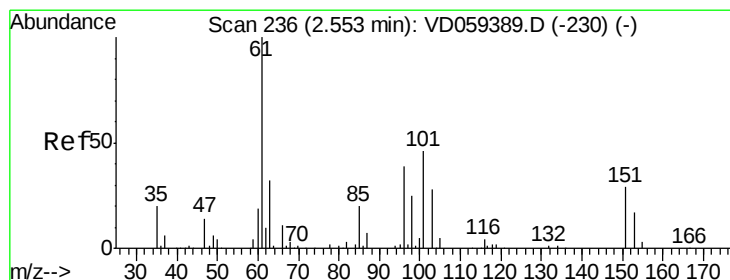
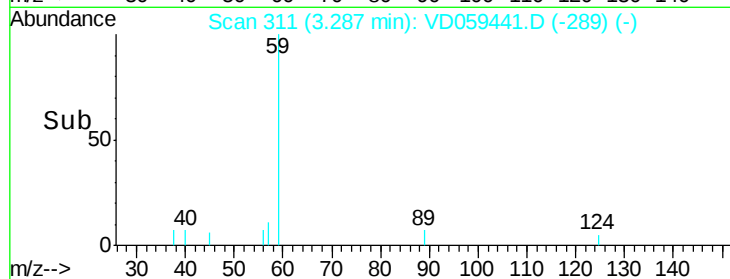
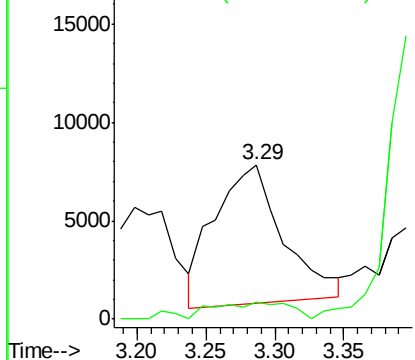
Tert butyl alcohol
 Concen: 69.15 ug/l
 RT: 3.29 min Scan# 311
 Delta R.T. 0.02 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 24451
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5



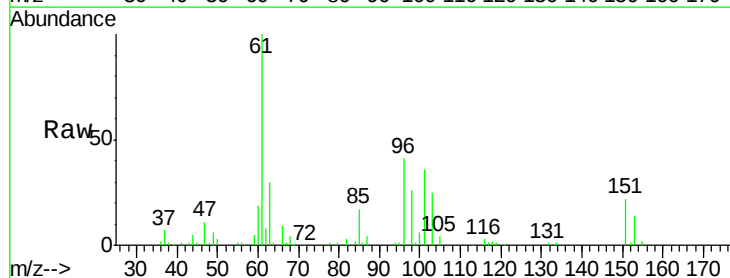
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



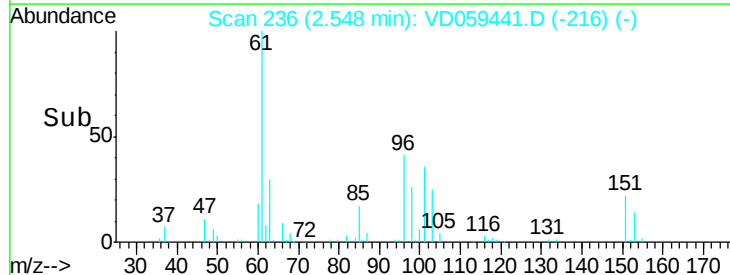
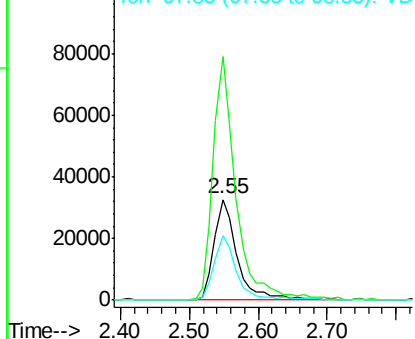
#12

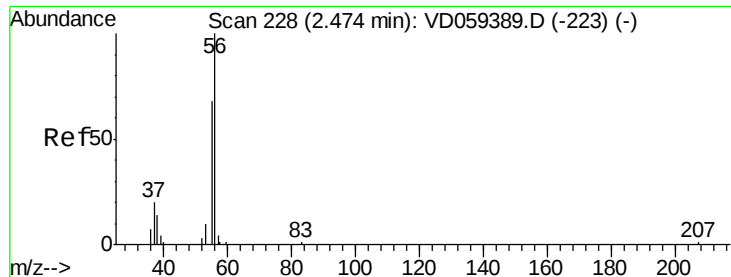
1,1-Dichloroethene
 Concen: 23.42 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 96 Resp: 77137
 Ion Ratio Lower Upper
 96 100
 61 241.7 205.4 308.0
 98 63.9 51.0 76.4



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





#13

Acrolein

Concen: 107.10 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

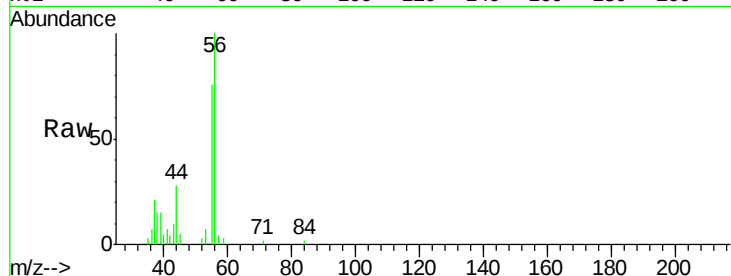
ClientSampled :

Tot Ion: 56 Resp: 33855

Ion Ratio Lower Upper

56 100

55 75.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

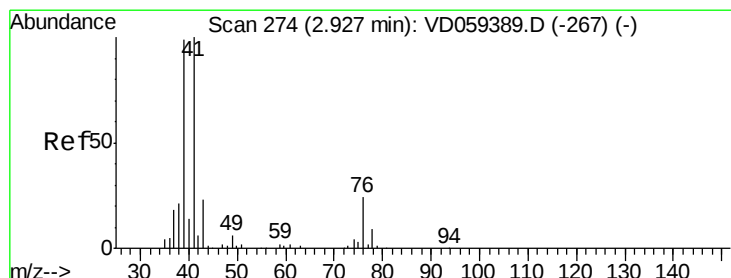
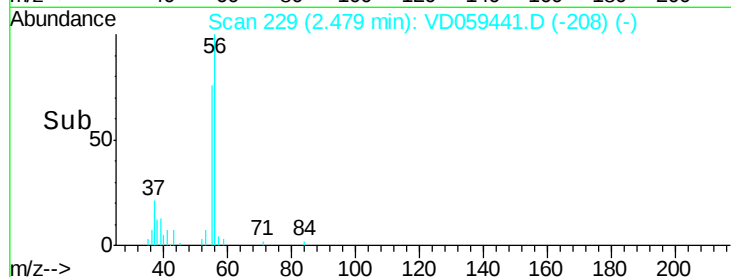
5000

0

2.48

2.40 2.45 2.50 2.55 2.60

Time-->



#14

Allyl chloride

Concen: 21.23 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

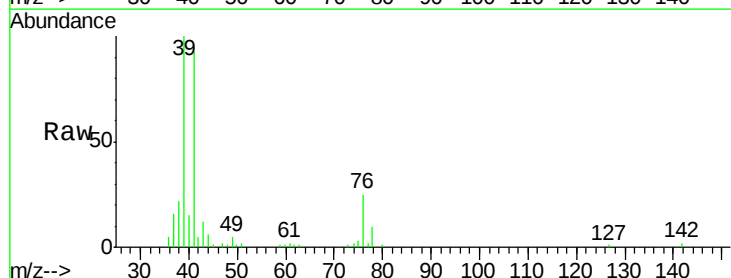
Tgt Ion: 41 Resp: 160015

Ion Ratio Lower Upper

41 100

39 108.1 79.1 118.7

76 27.2 21.9 32.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

40000

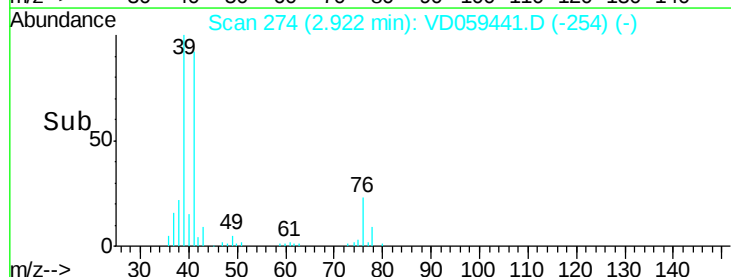
20000

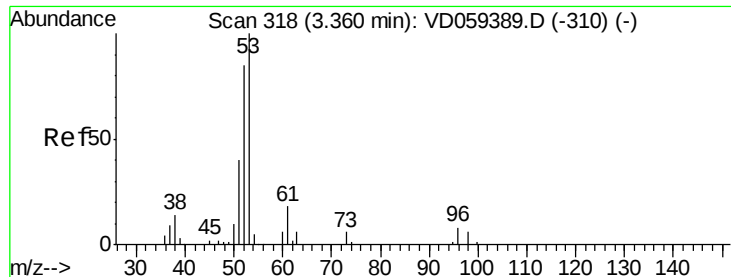
0

2.92

2.80 2.90 3.00 3.10

Time-->





#15

Acrylonitrile

Concen: 110.87 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.03 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :

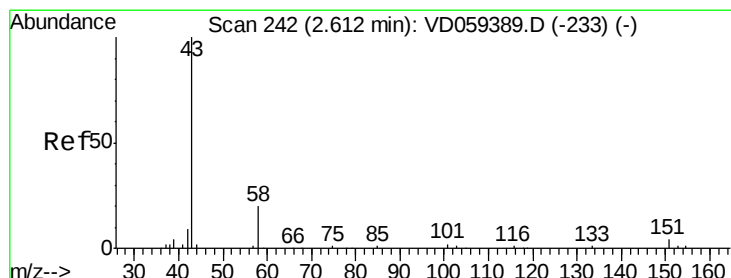
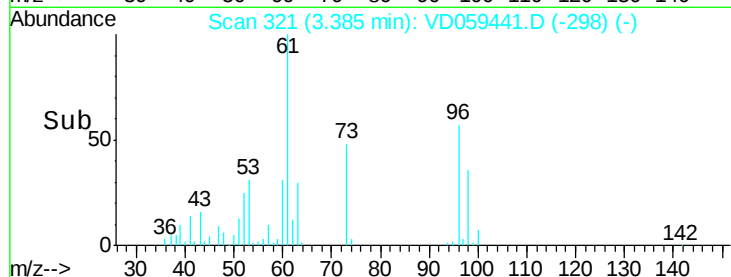
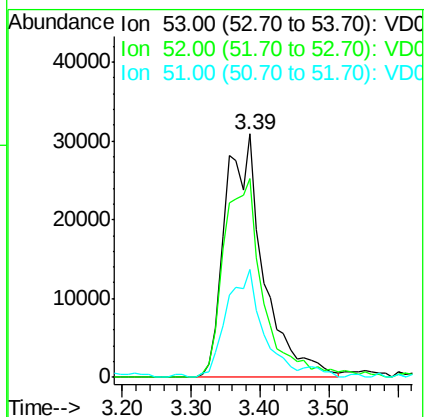
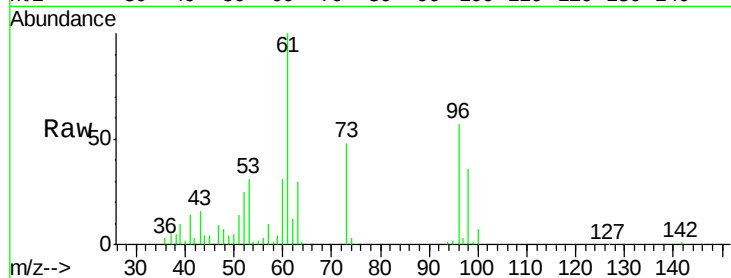
Tot Ion: 53 Resp: 120320

Ion Ratio Lower Upper

53 100

52 81.6 67.9 101.9

51 44.3 32.2 48.4



#16

Acetone

Concen: 110.82 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059441.D

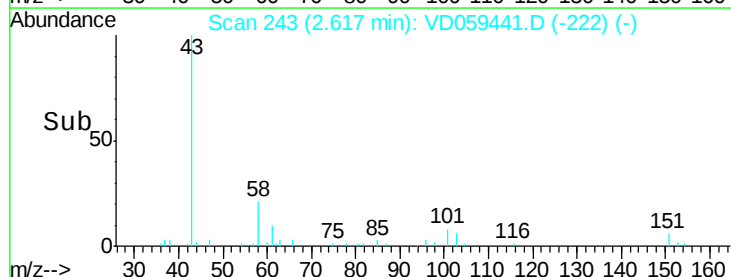
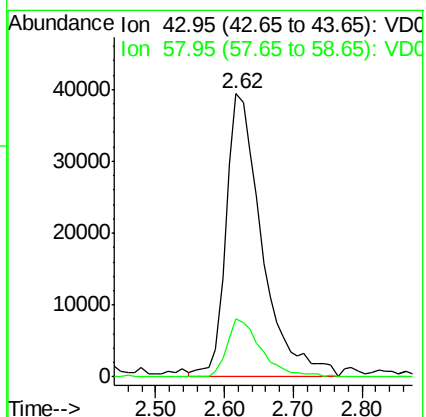
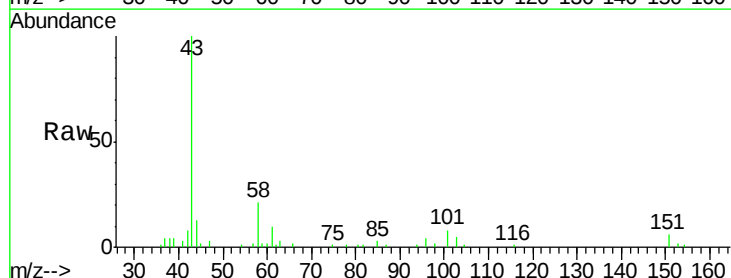
Acq: 27 Jun 2018 13:37

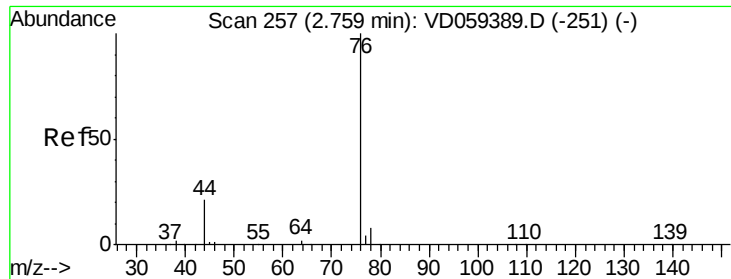
Tgt Ion: 43 Resp: 142958

Ion Ratio Lower Upper

43 100

58 20.5 16.8 25.2

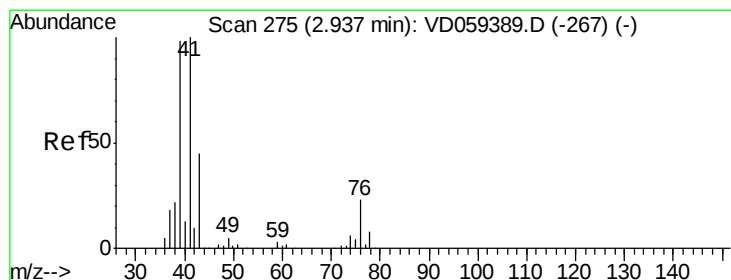
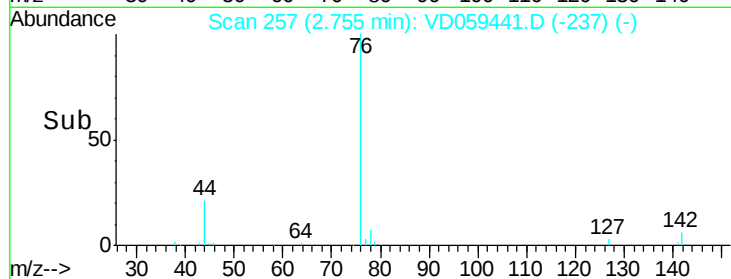
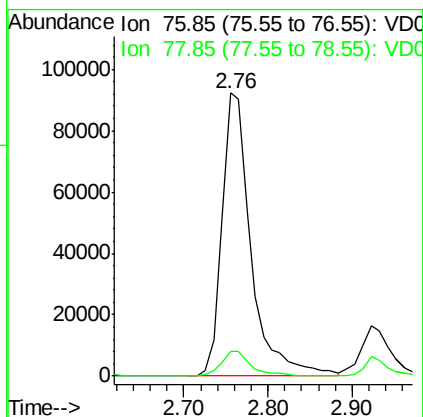
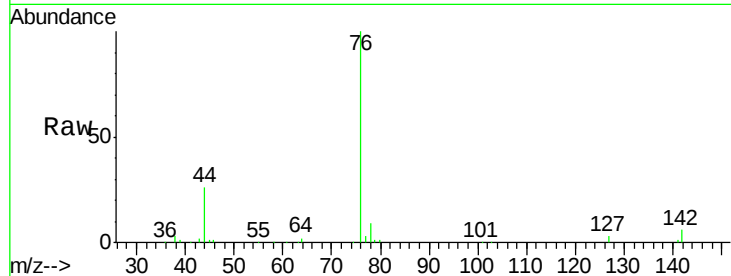




#17
Carbon Disulfide
Concen: 21.87 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

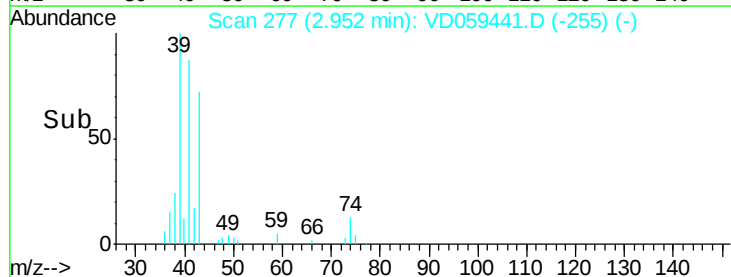
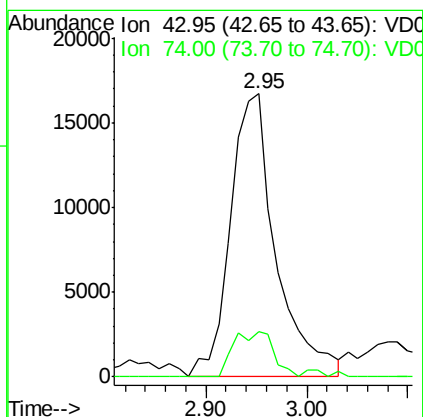
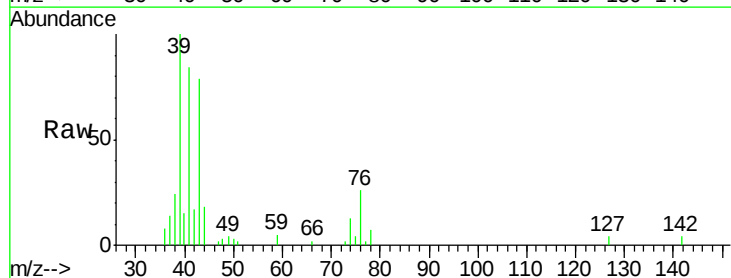
Instrument :
MSVOA_D
ClientSampled :

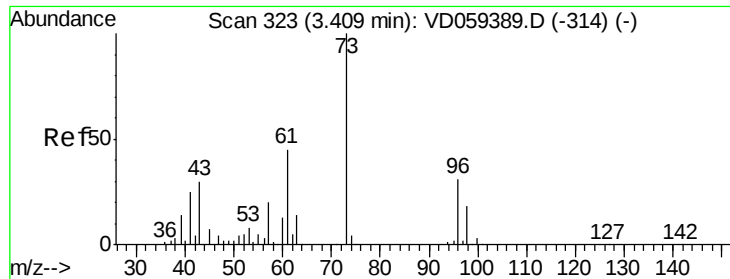
Tot Ion: 76 Resp: 220625
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8



#18
Methyl Acetate
Concen: 17.21 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 43 Resp: 52666
Ion Ratio Lower Upper
43 100
74 16.0 11.0 16.4

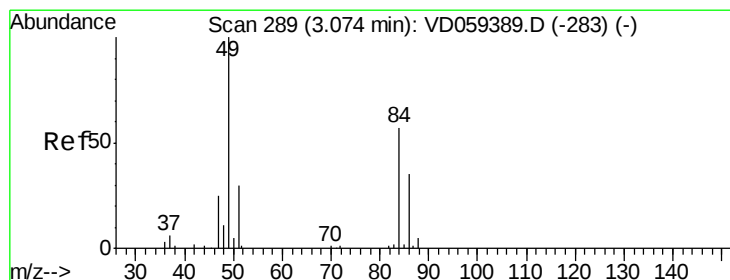
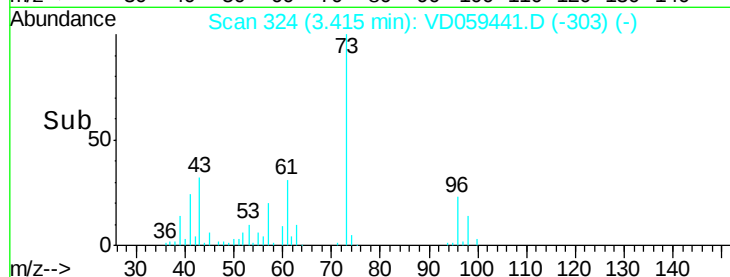
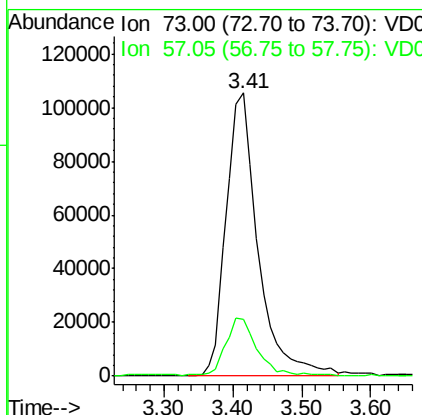
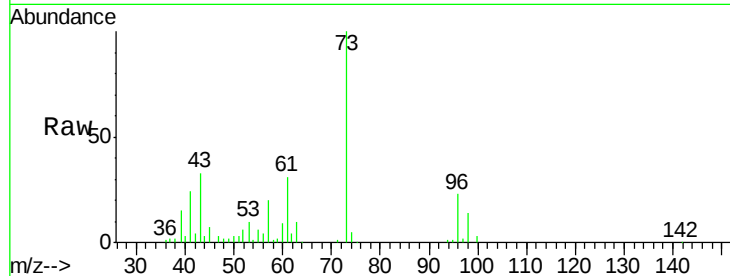




#19
Methvl tert-butvl Ether
Concen: 20.94 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

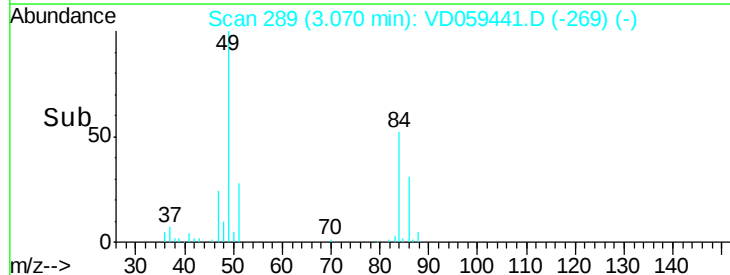
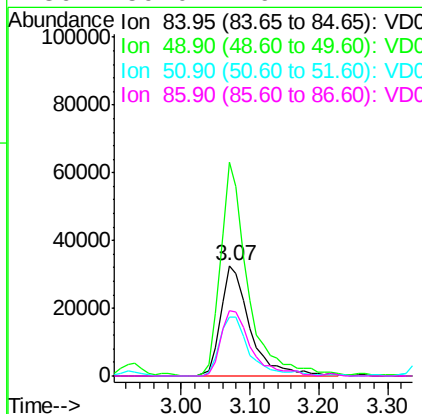
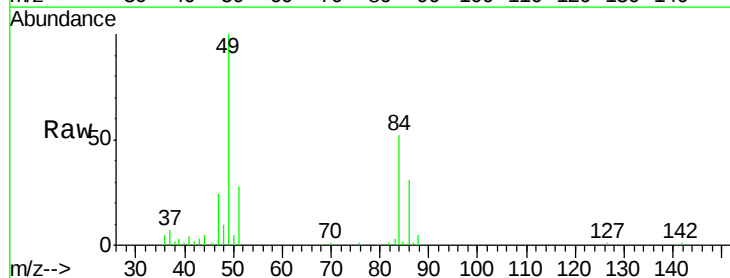
Instrument :
MSVOA_D
ClientSampled :

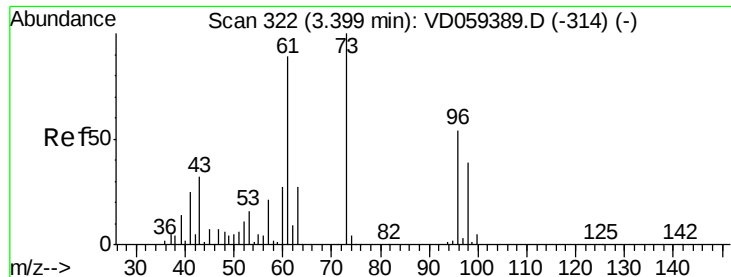
Tot Ion: 73 Resp: 339432
Ion Ratio Lower Upper
73 100
57 19.9 16.1 24.1



#20
Methylene Chloride
Concen: 25.44 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 84 Resp: 95386
Ion Ratio Lower Upper
84 100
49 193.4 140.3 210.5
51 53.2 41.6 62.4
86 59.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 26.04 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampled :

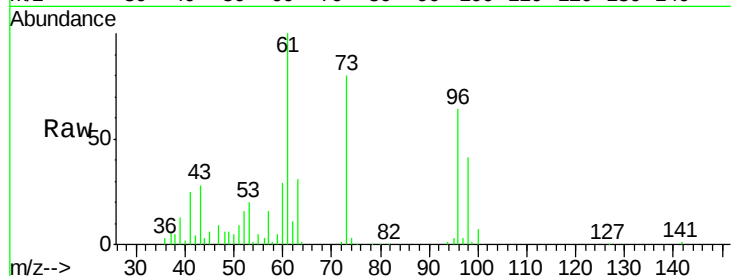
Tot Ion: 96 Resp: 151616

Ion Ratio Lower Upper

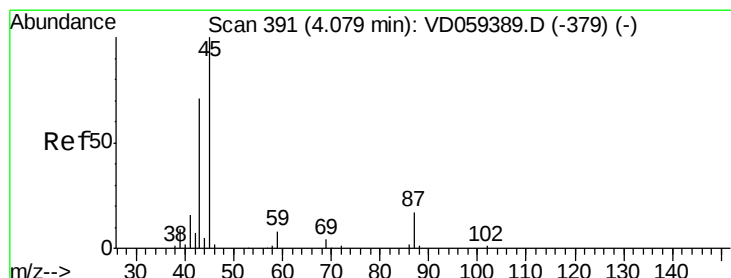
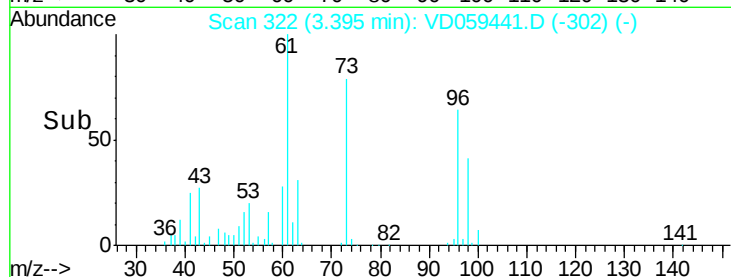
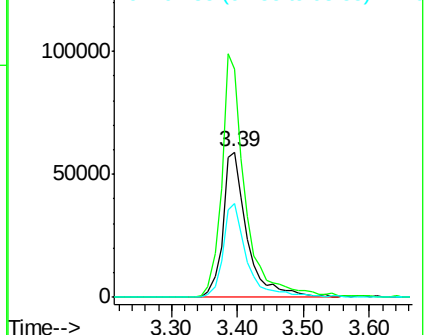
96 100

61 157.1 131.0 196.4

98 64.7 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: 21.52 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion: 45 Resp: 610288

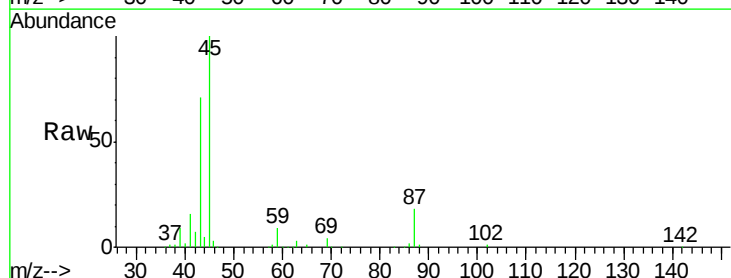
Ion Ratio Lower Upper

45 100

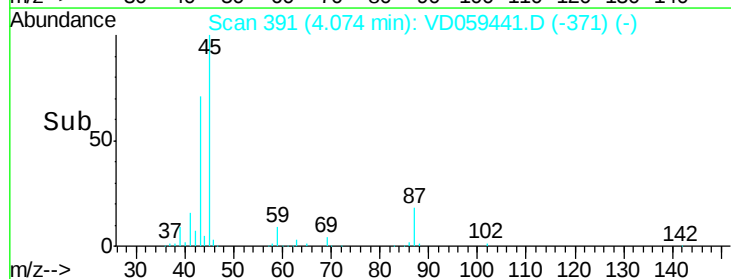
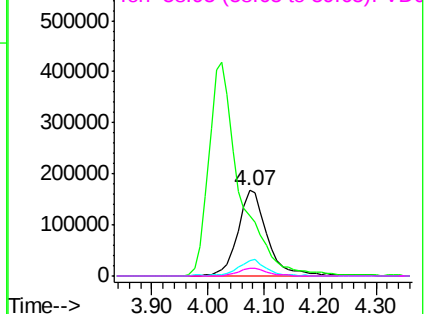
43 70.8 56.9 85.3

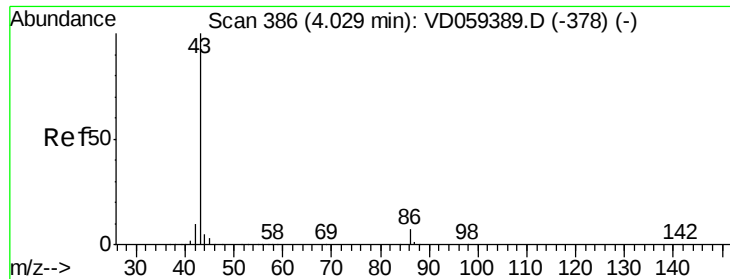
87 17.8 14.2 21.4

59 9.3 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: 109.74 ug/l

RT: 4.03 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

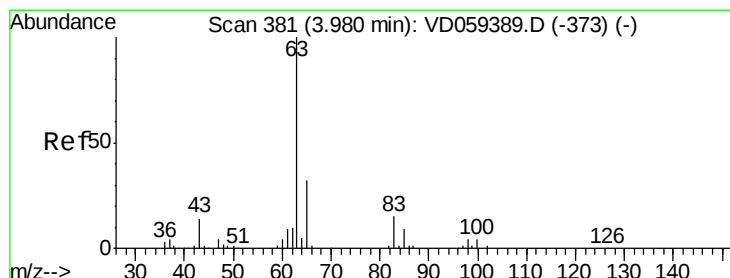
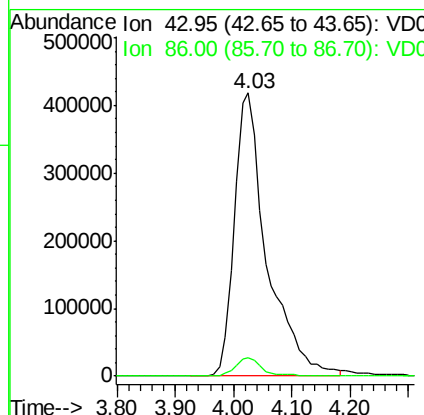
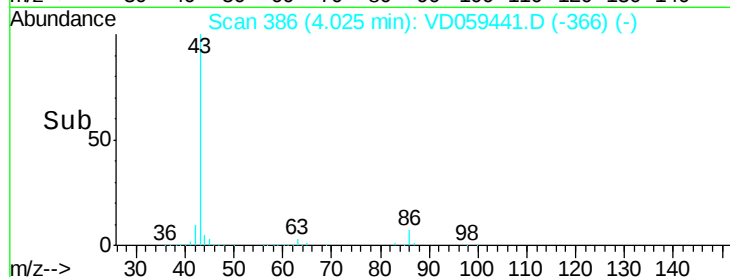
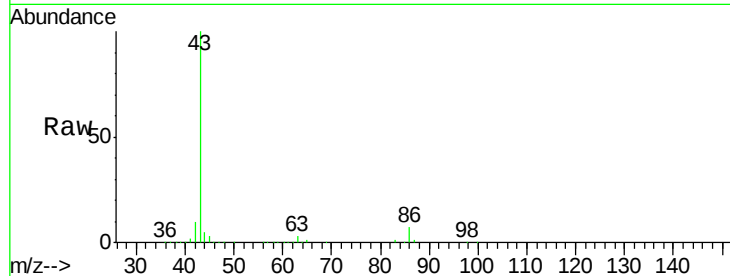
ClientSampleId :

Tot Ion: 43 Resp: 1621618

Ion Ratio Lower Upper

43 100

86 6.6 5.2 7.8



#24

1,1-Dichloroethane

Concen: 22.07 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

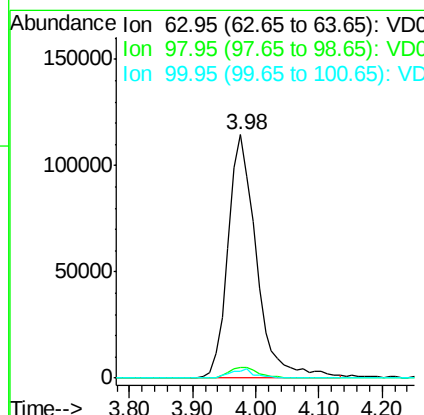
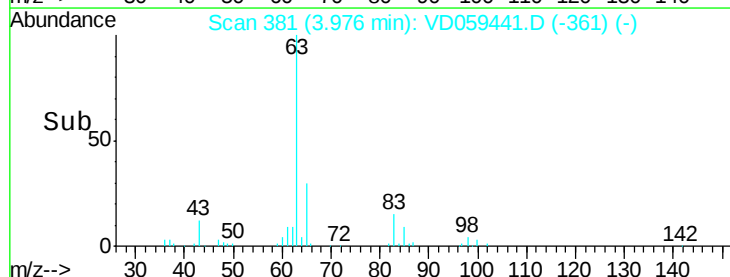
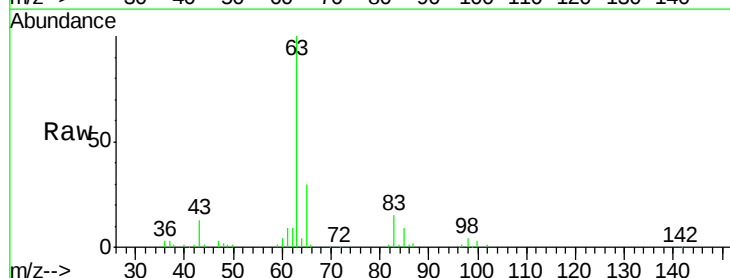
Tgt Ion: 63 Resp: 358199

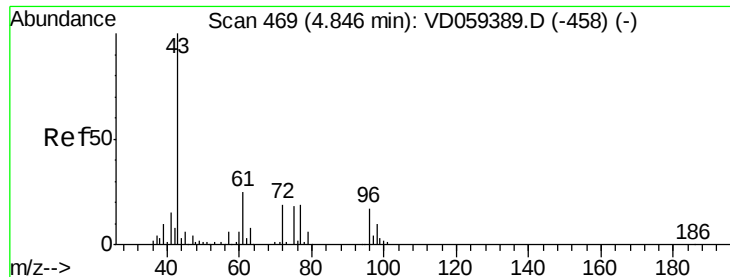
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 3.0 1.8 5.5





#25

2-Butanone

Concen: 100.54 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

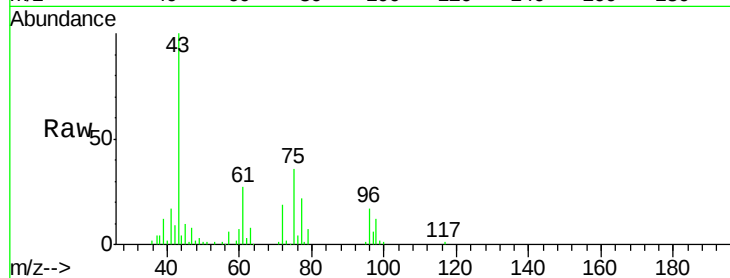
ClientSampleId :

Tot Ion: 43 Resp: 271671

Ion Ratio Lower Upper

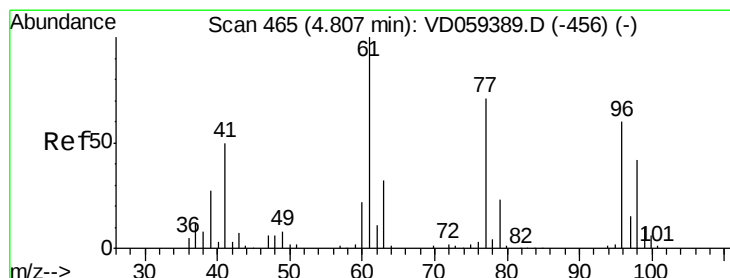
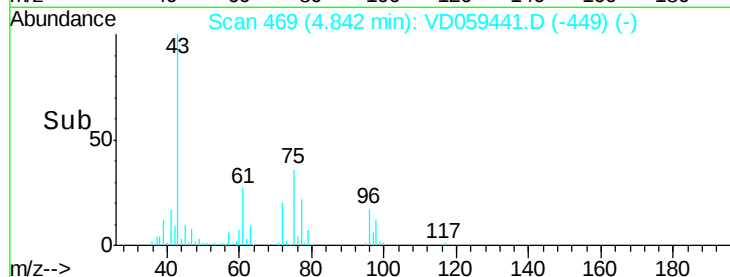
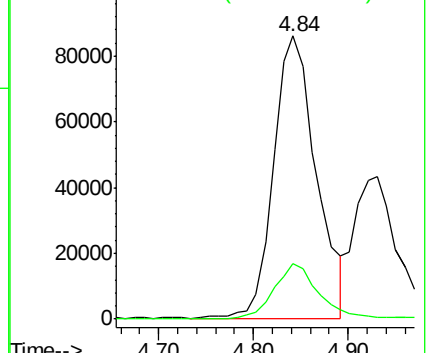
43 100

72 19.4 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: 24.43 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059441.D

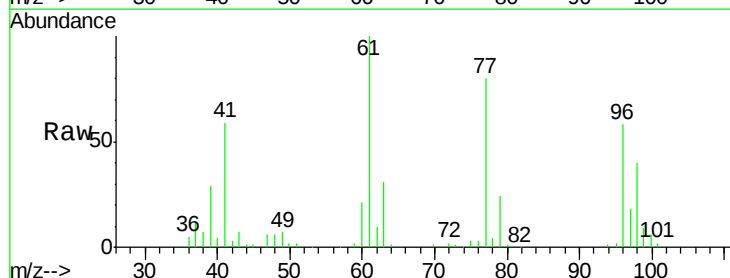
Acq: 27 Jun 2018 13:37

Tgt Ion: 77 Resp: 307524

Ion Ratio Lower Upper

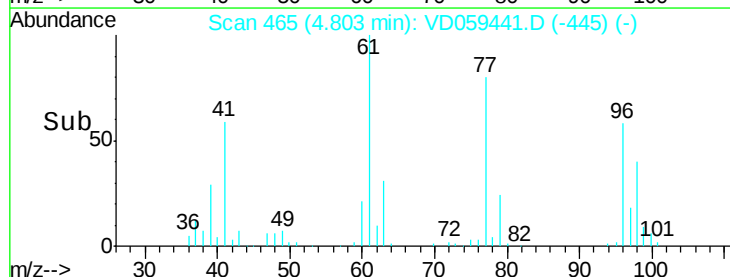
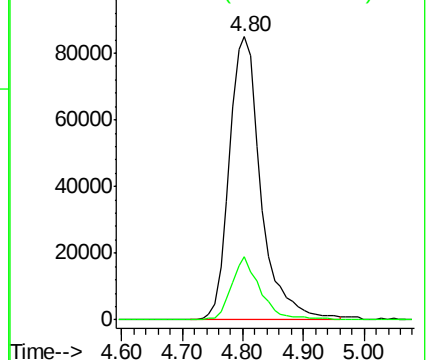
77 100

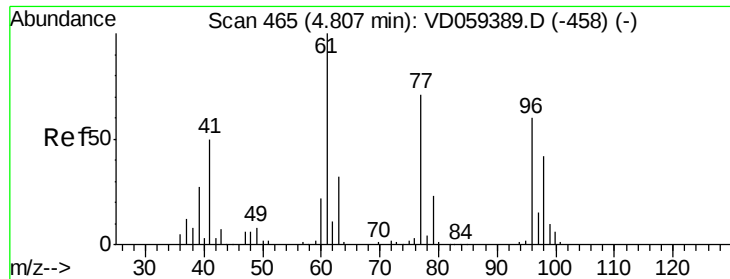
97 22.2 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



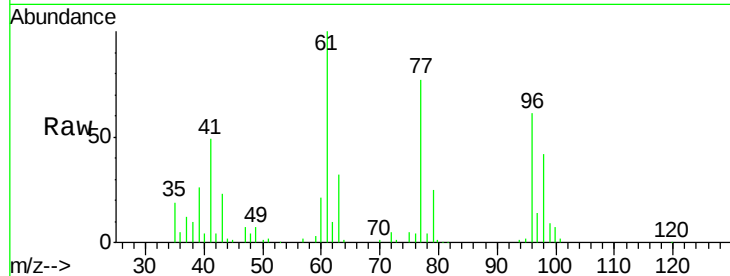


#27

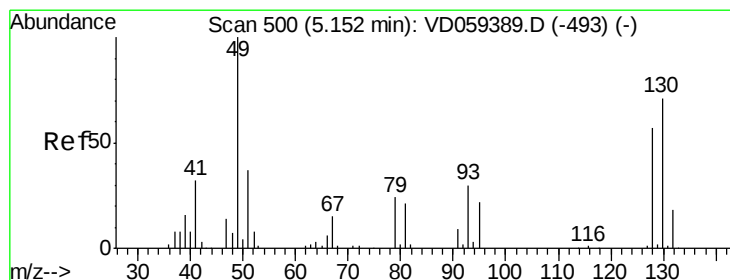
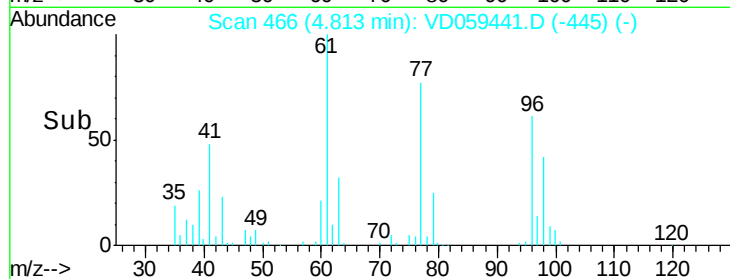
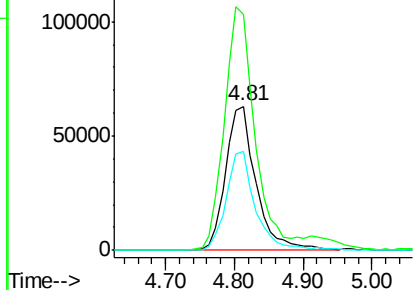
cis-1,2-Dichloroethene
Concen: 19.67 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	335.8
98	69.0	0.0	141.0



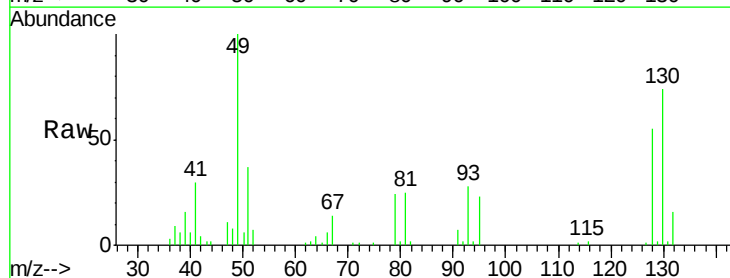
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



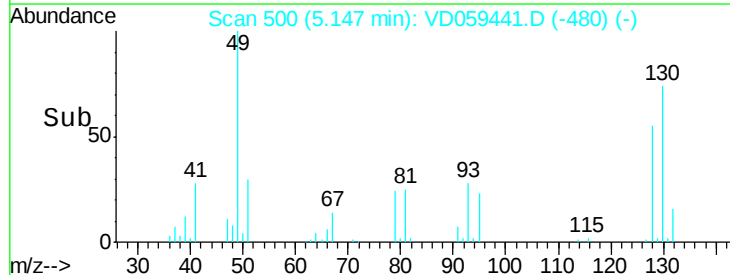
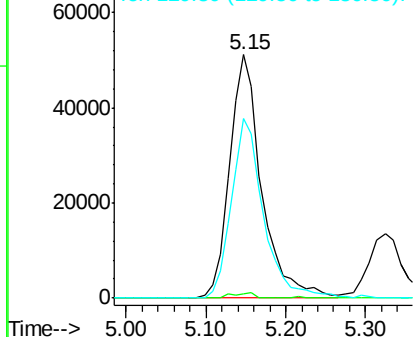
#28

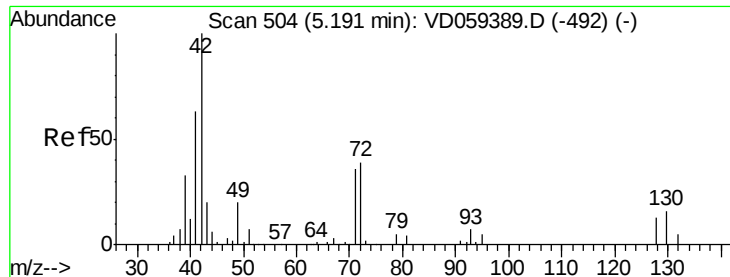
Bromochloromethane
Concen: 20.41 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	74.0	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

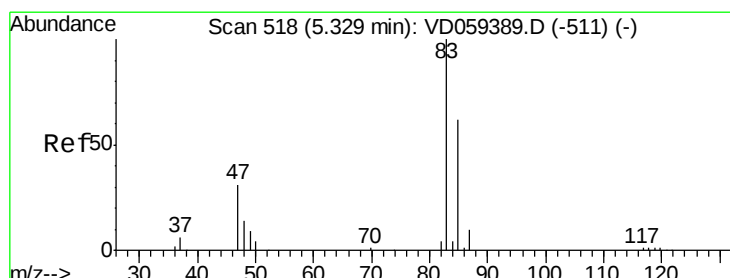
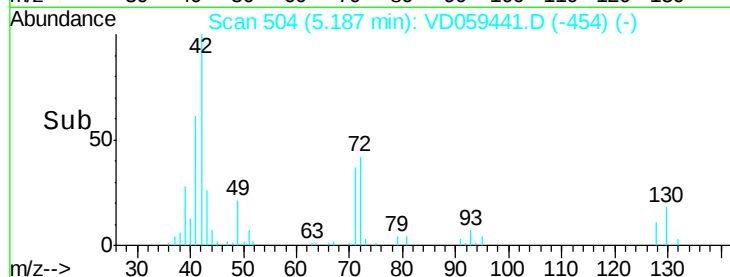
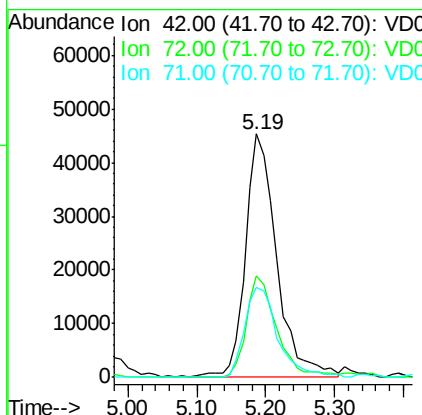
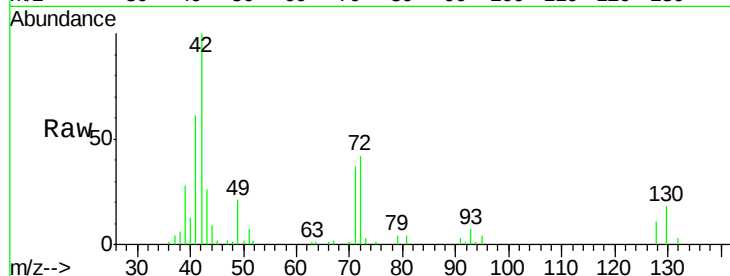




#29
Tetrahydrofuran
Concen: 97.15 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

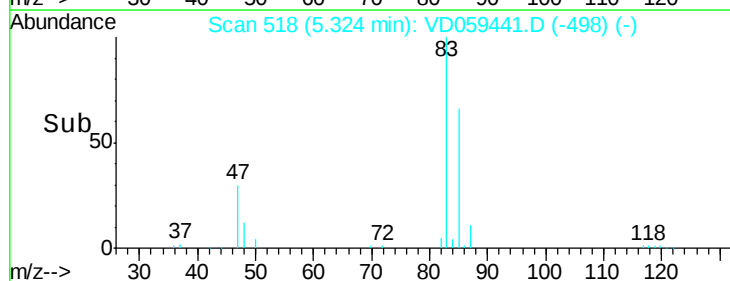
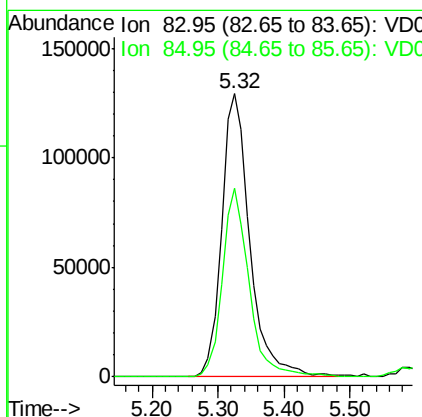
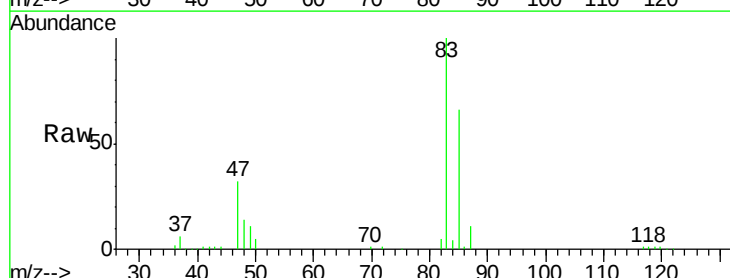
Instrument :
MSVOA_D
ClientSampled :

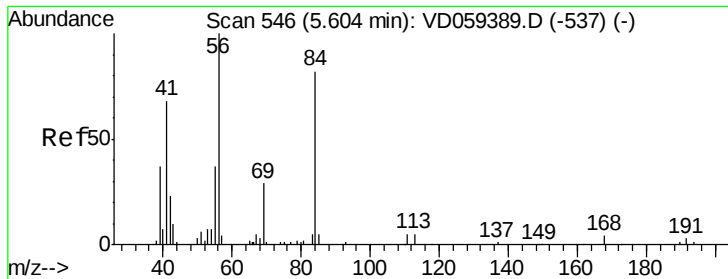
Tot Ion: 42 Resp: 143600
Ion Ratio Lower Upper
42 100
72 40.5 31.4 47.2
71 39.1 29.7 44.5



#30
Chloroform
Concen: 21.82 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 83 Resp: 385879
Ion Ratio Lower Upper
83 100
85 66.5 49.3 73.9

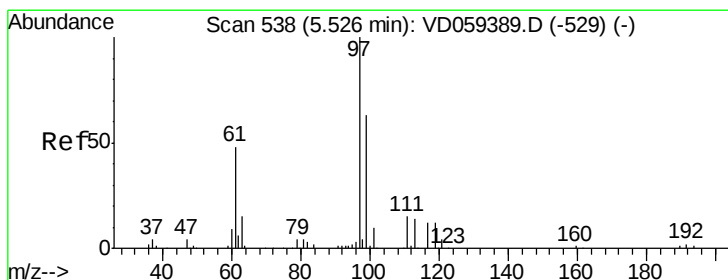
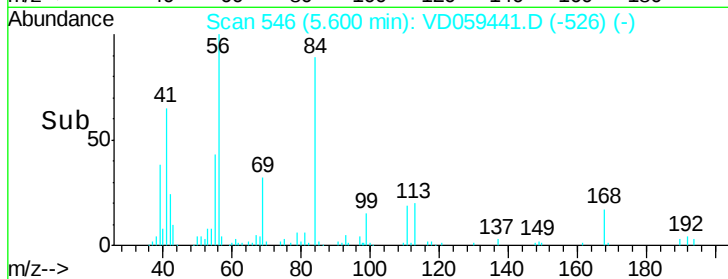
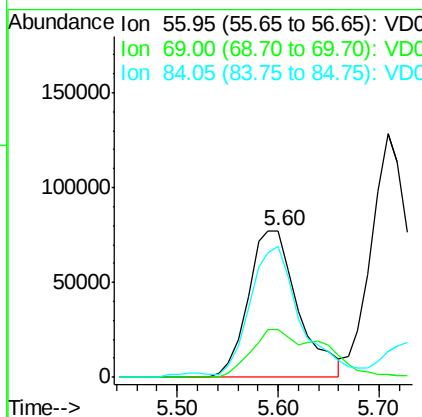
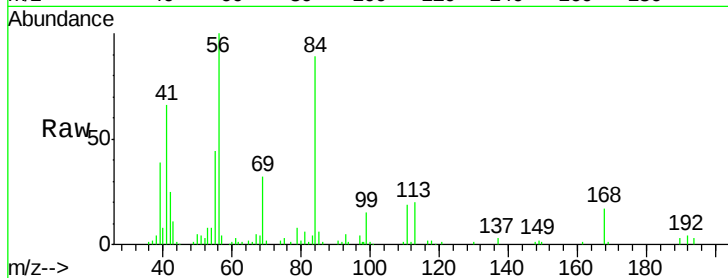




#31
Cyclohexane
Concen: 22.68 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

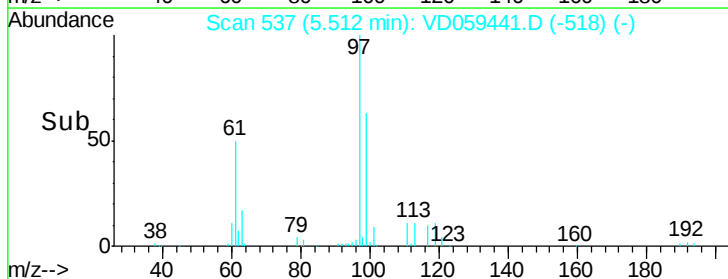
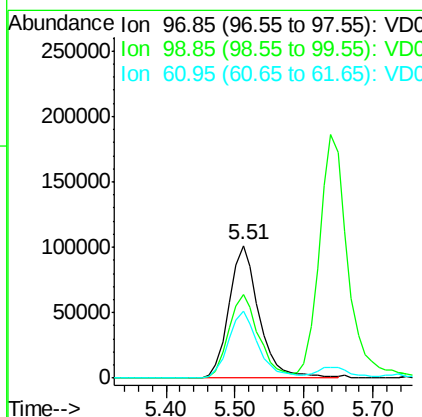
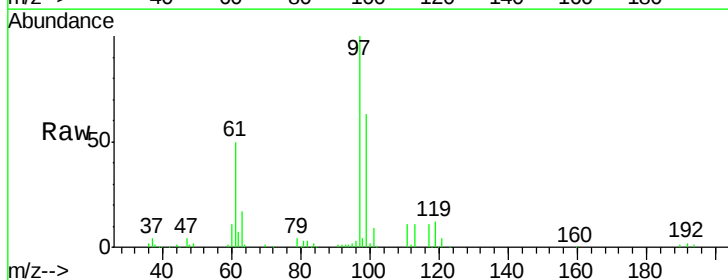
Instrument :
MSVOA_D
ClientSampleId :

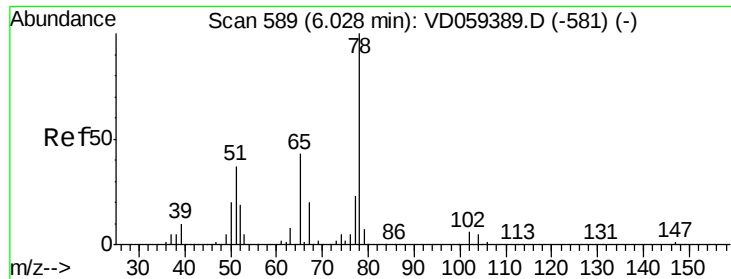
Tot Ion	56	Resp	265688
Ion	Ratio	Lower	Upper
56	100		
69	32.1	22.9	34.3
84	88.9	67.3	100.9



#32
1,1,1-Trichloroethane
Concen: 21.36 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	97	Resp	305987
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.2	75.4
61	50.3	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 21.36 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

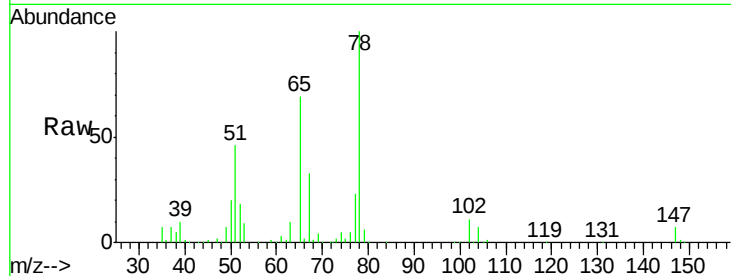
ClientSampleId :

Tot Ion: 65 Resp: 423237

Ion Ratio Lower Upper

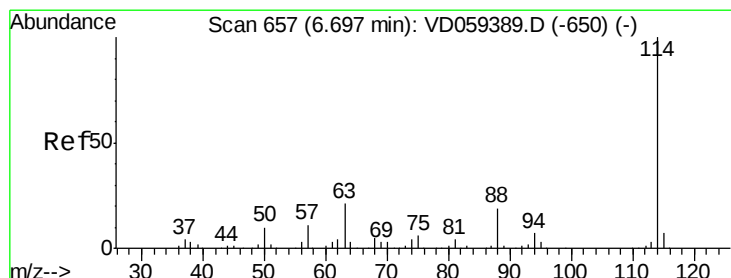
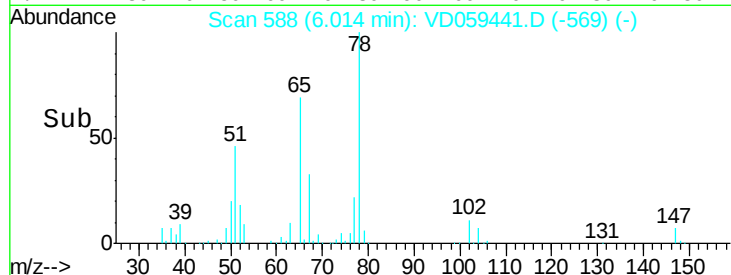
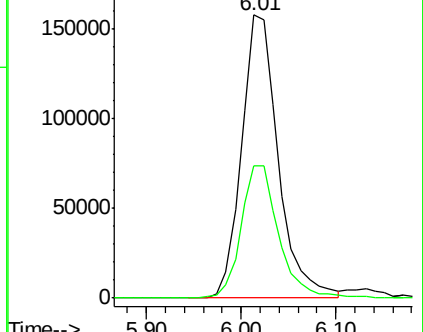
65 100

67 47.0 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

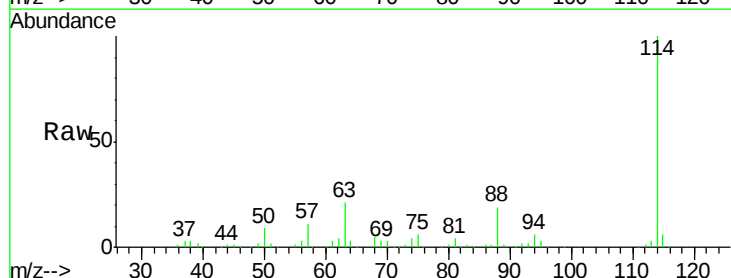
Tgt Ion:114 Resp: 1320252

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

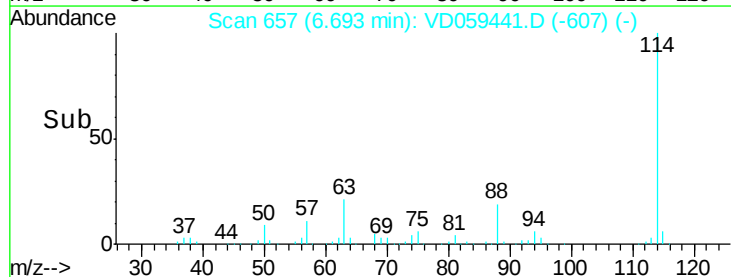
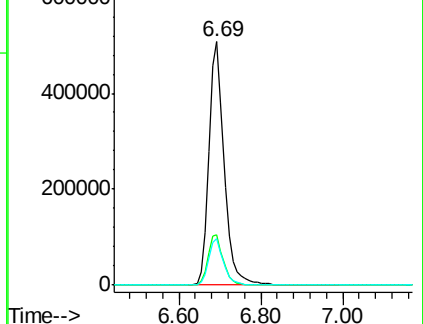
88 19.3 0.0 38.0

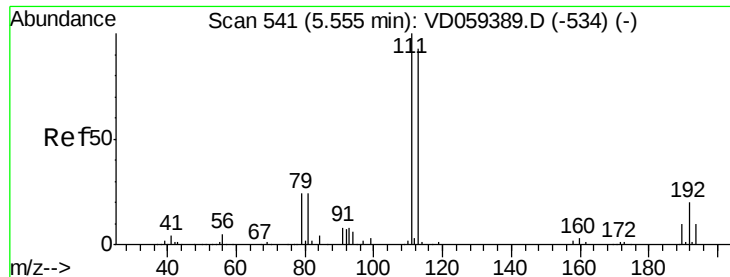


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

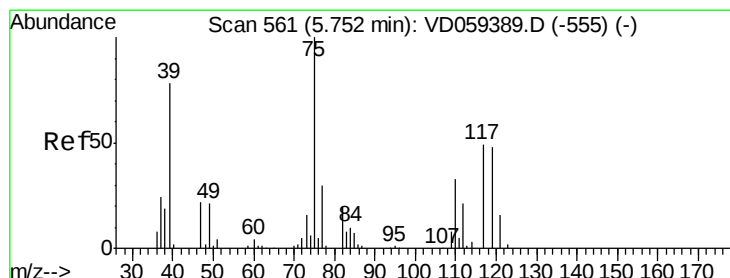
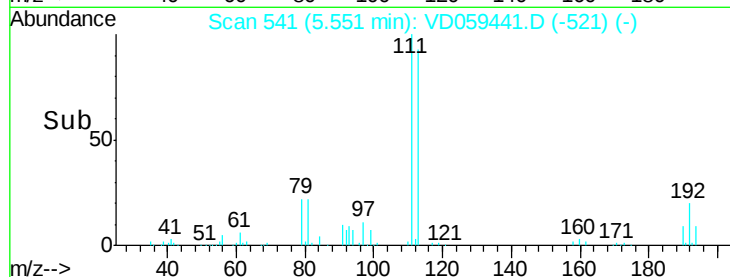
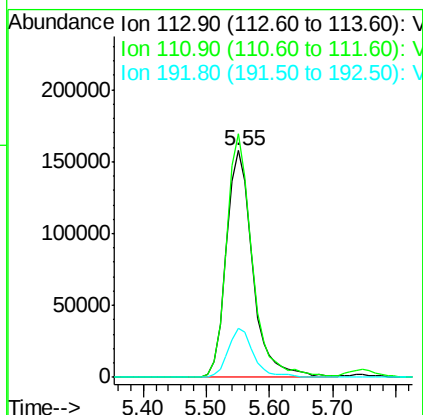
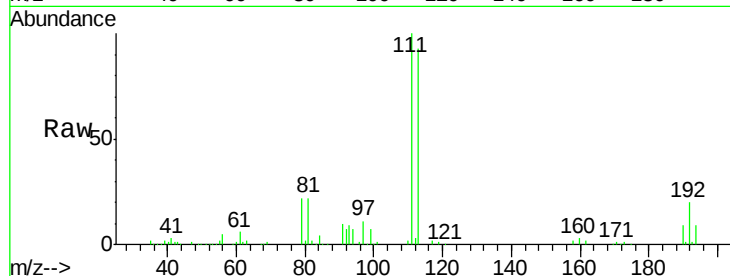




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

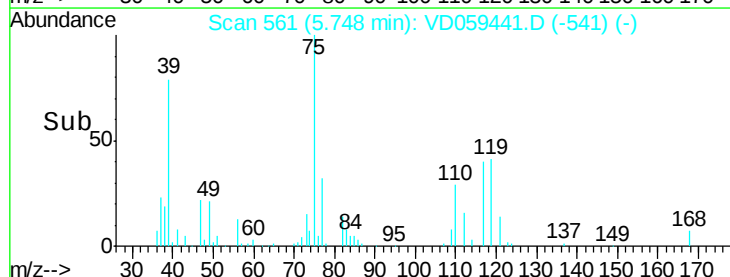
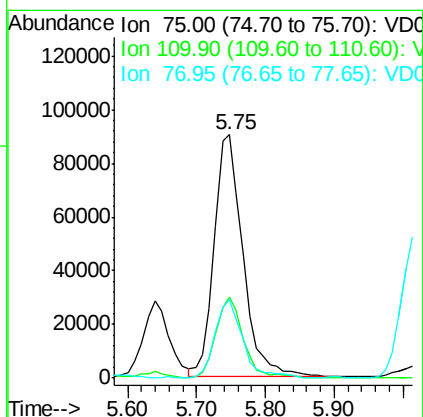
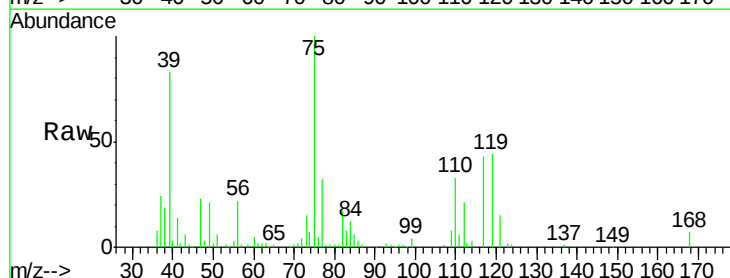
Instrument :
MSVOA_D
ClientSampled :

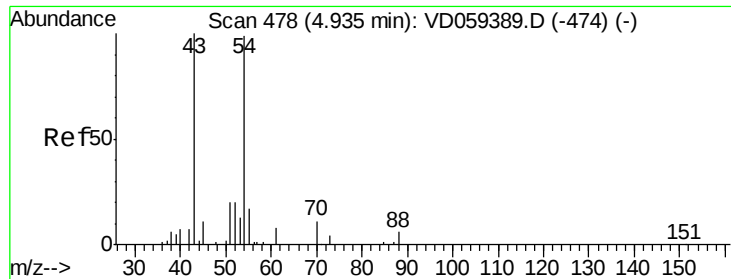
Tot Ion:113 Resp: 457627
Ion Ratio Lower Upper
113 100
111 107.3 85.7 128.5
192 21.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 21.76 ug/l
RT: 5.75 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 75 Resp: 260567
Ion Ratio Lower Upper
75 100
110 33.1 16.1 48.2
77 32.4 23.4 35.2

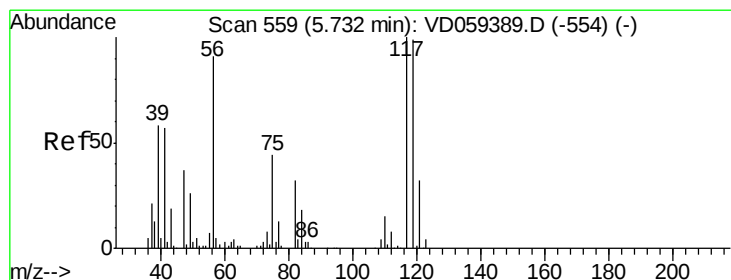
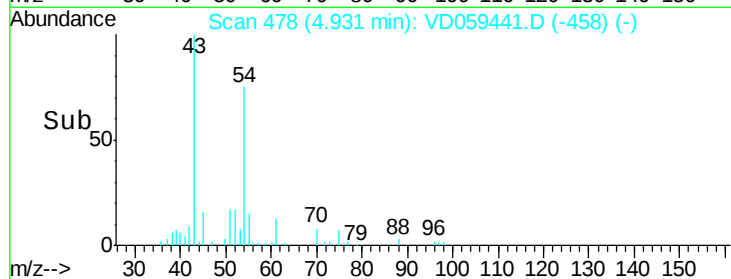
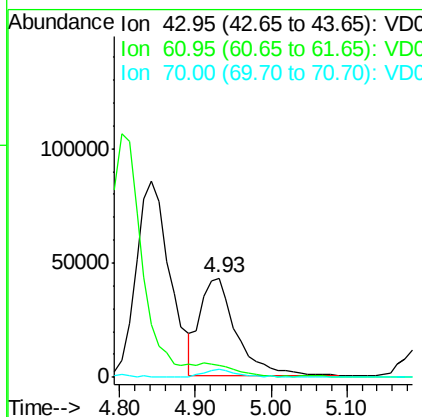
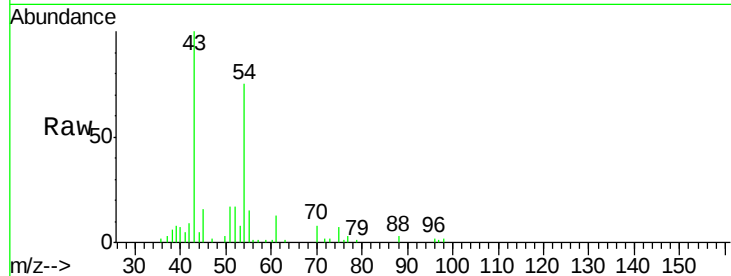




#37
Ethyl Acetate
Concen: 19.58 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

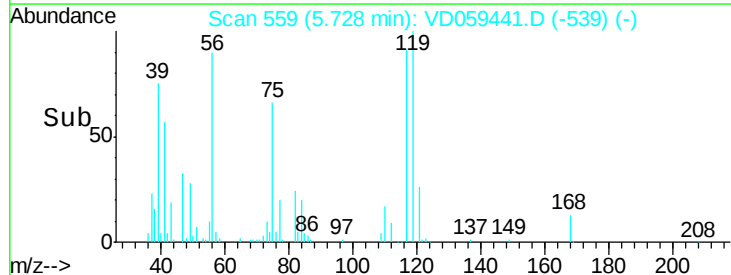
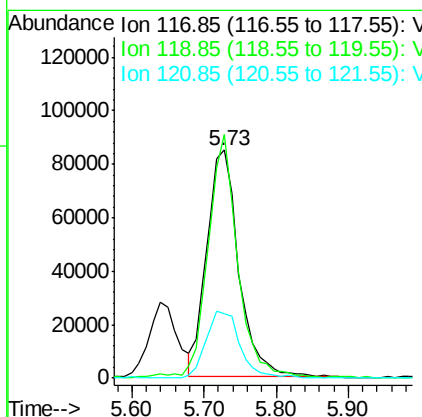
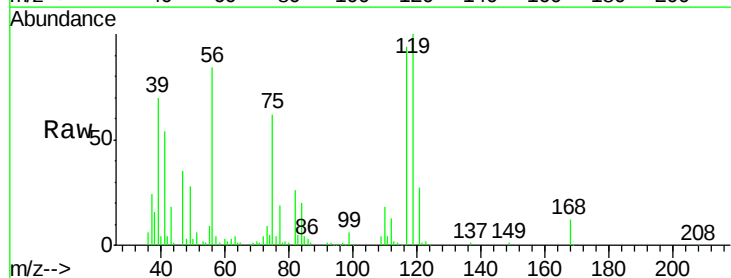
Instrument :
MSVOA_D
ClientSampleID :

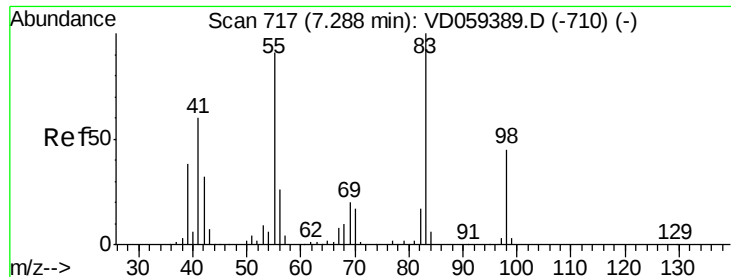
Tot Ion: 43 Resp: 142803
Ion Ratio Lower Upper
43 100
61 12.7 11.8 17.8
70 8.5 6.1 9.1



#38
Carbon Tetrachloride
Concen: 21.06 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 117 Resp: 259996
Ion Ratio Lower Upper
117 100
119 106.8 76.6 115.0
121 28.4 25.0 37.4

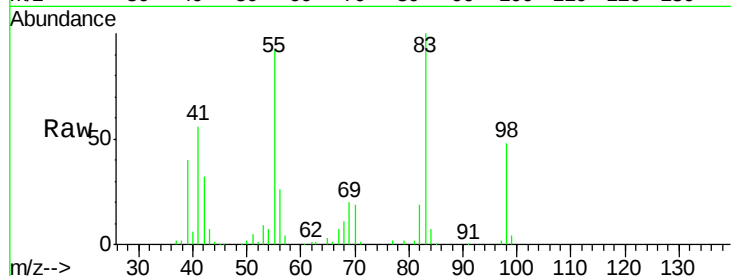




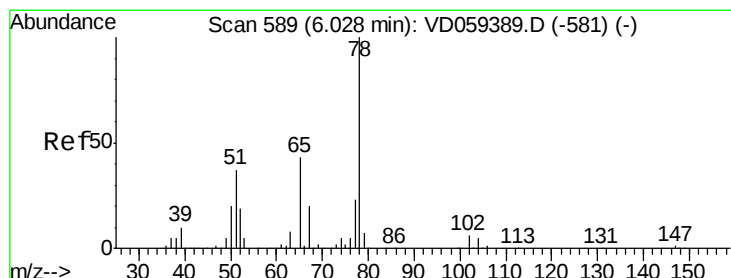
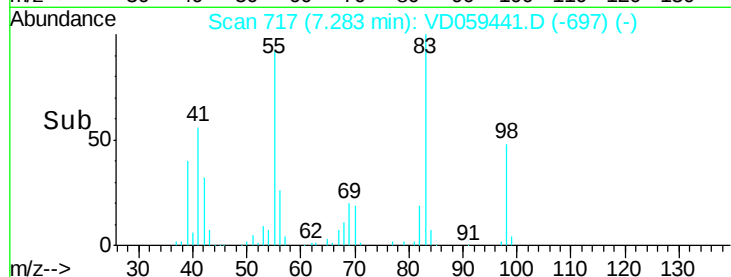
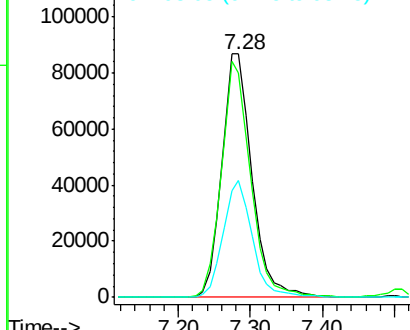
#39
Methvlcvclohexane
Concen: 22.08 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 250808
Ion Ratio Lower Upper
83 100
55 92.2 72.6 109.0
98 47.8 35.8 53.6

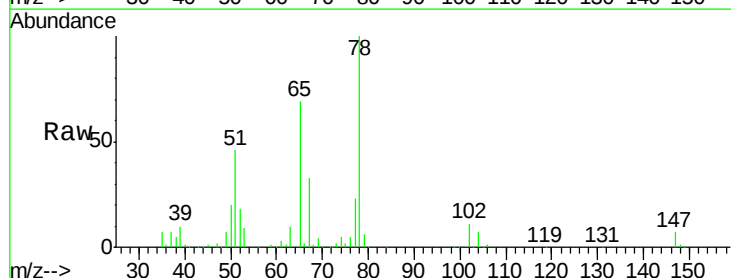


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

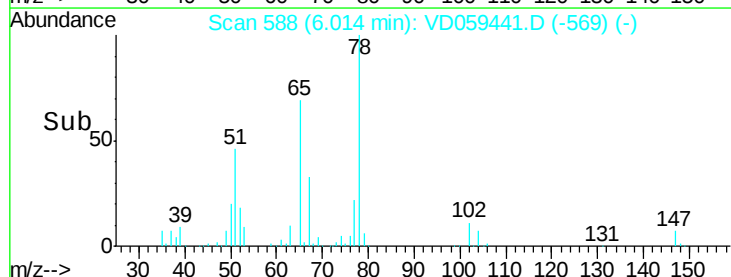
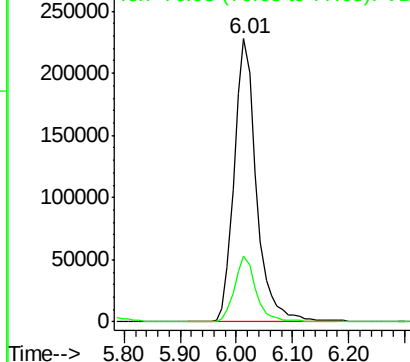


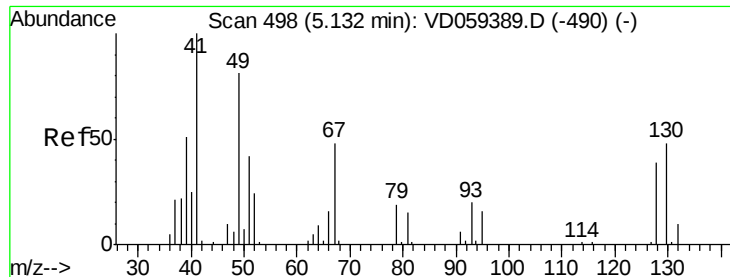
#40
Benzene
Concen: 21.84 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 78 Resp: 627600
Ion Ratio Lower Upper
78 100
77 23.0 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: 18.21 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 63959

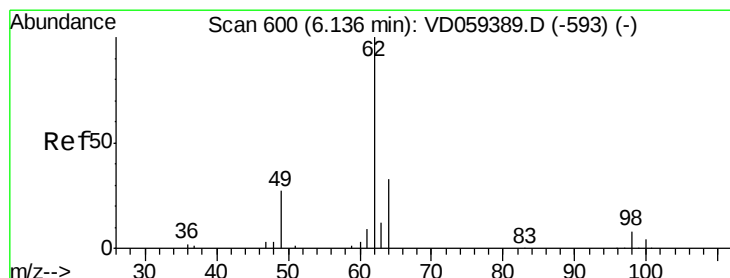
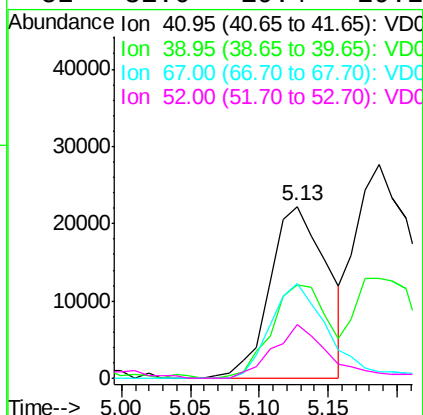
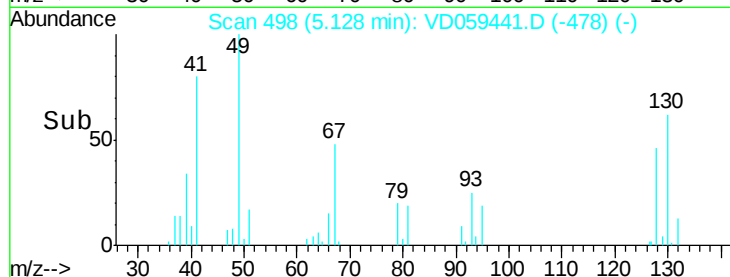
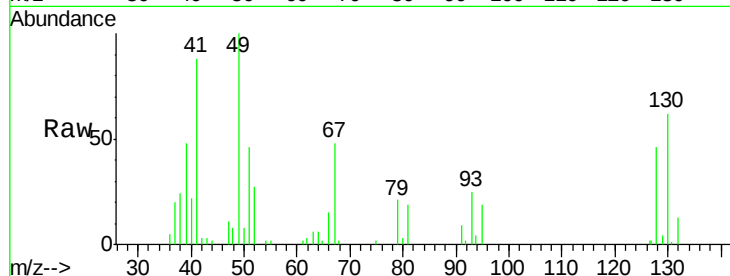
Ion Ratio Lower Upper

41 100

39 54.0 41.5 62.3

67 54.8 38.7 58.1

52 31.0 19.4 29.2#



#42

1,2-Dichloroethane

Concen: 19.39 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD059441.D

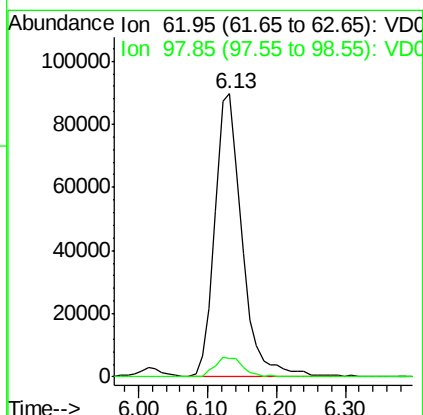
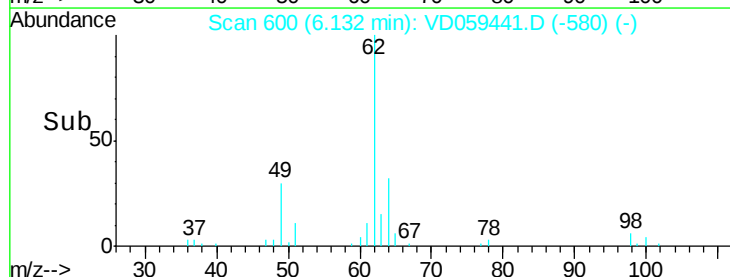
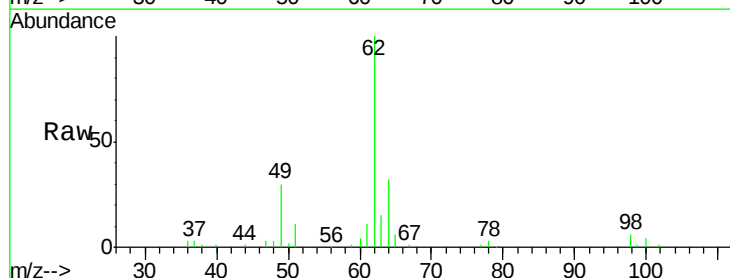
Acq: 27 Jun 2018 13:37

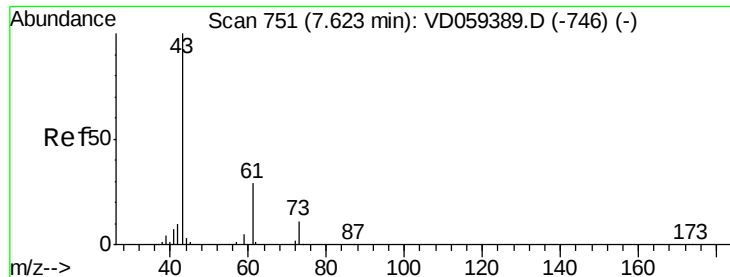
Tgt Ion: 62 Resp: 246234

Ion Ratio Lower Upper

62 100

98 6.4 0.0 15.8





#43

Isopropyl Acetate

Concen: 18.76 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

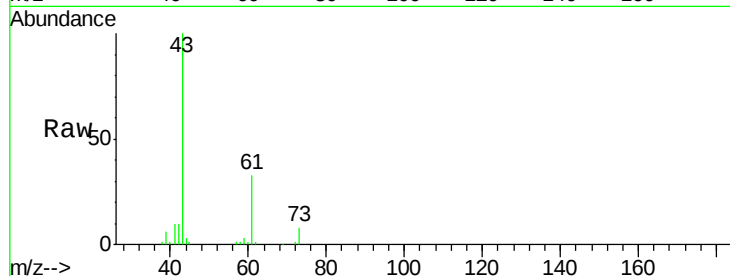
Tot Ion: 43 Resp: 171849

Ion Ratio Lower Upper

43 100

61 32.5 23.1 34.7

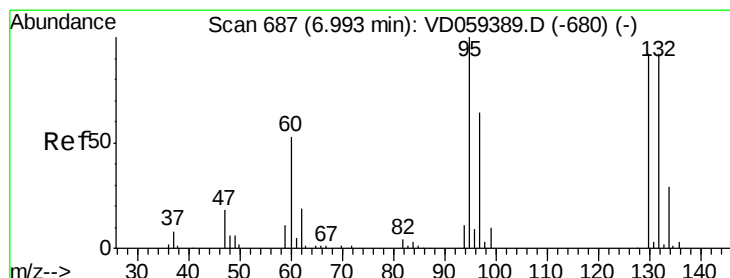
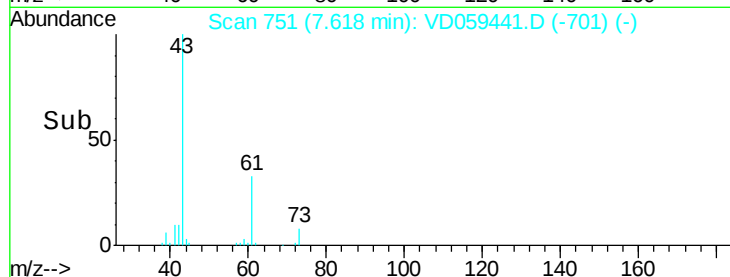
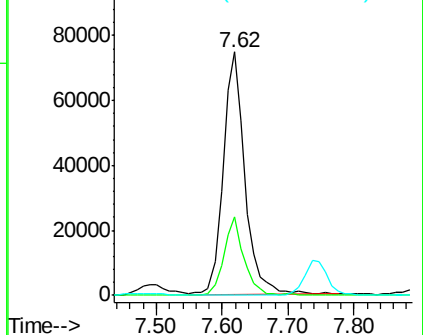
87 0.0 0.2 0.4#



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: 19.91 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD059441.D

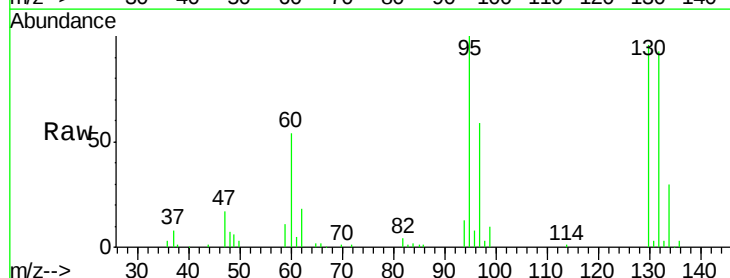
Acq: 27 Jun 2018 13:37

Tgt Ion:130 Resp: 187338

Ion Ratio Lower Upper

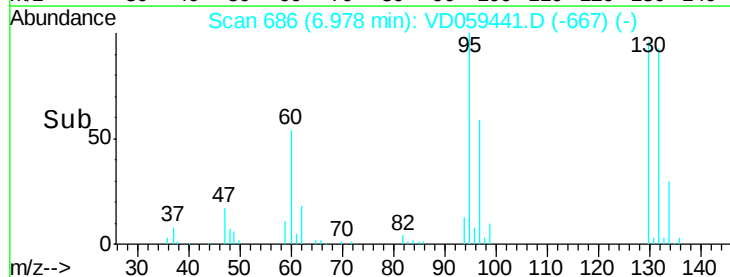
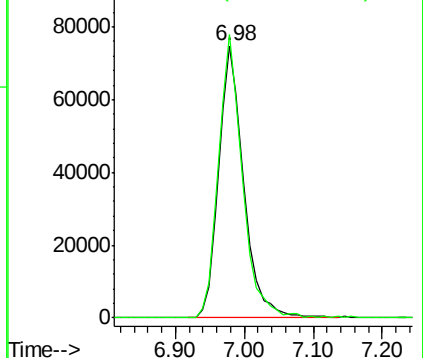
130 100

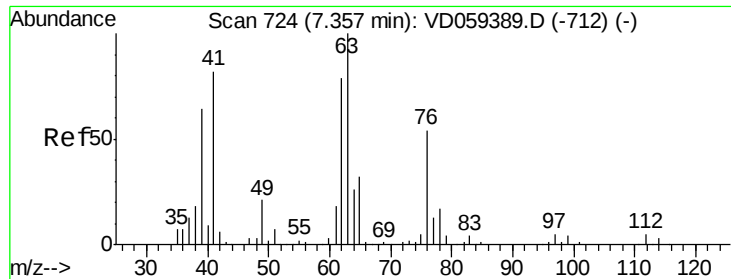
95 104.0 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.50 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

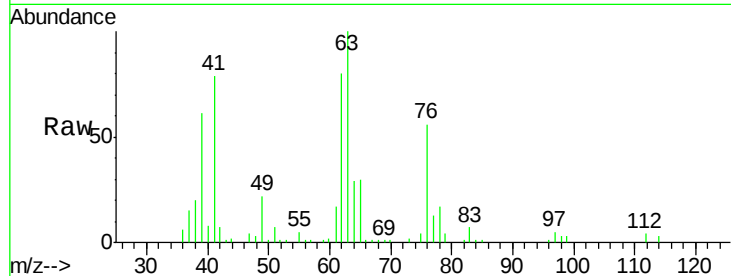
ClientSampled :

Tot Ion: 63 Resp: 163151

Ion Ratio Lower Upper

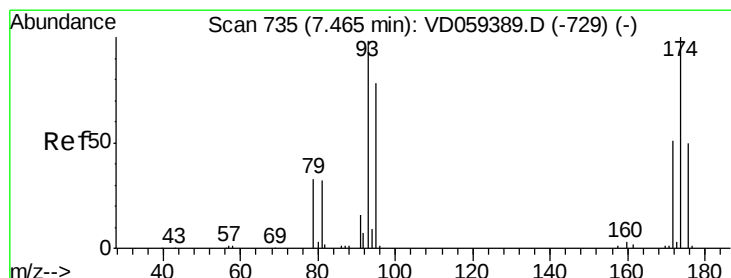
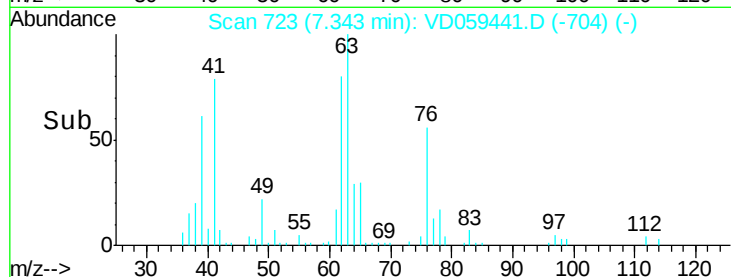
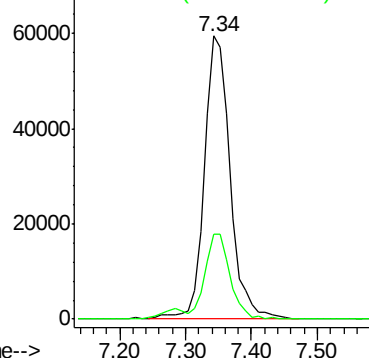
63 100

65 30.1 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.97 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

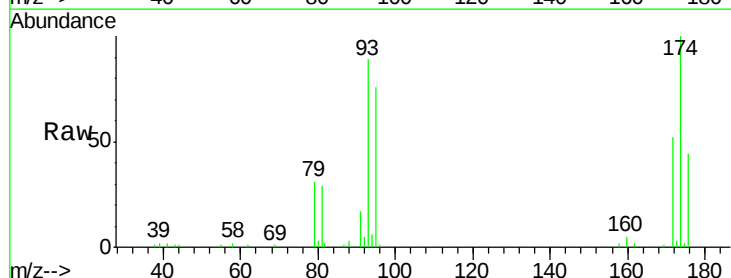
Tgt Ion: 93 Resp: 114324

Ion Ratio Lower Upper

93 100

95 86.0 63.4 95.0

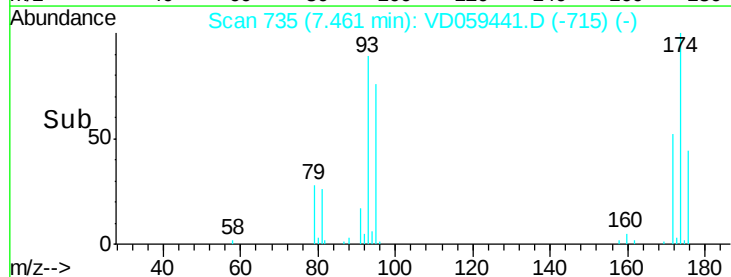
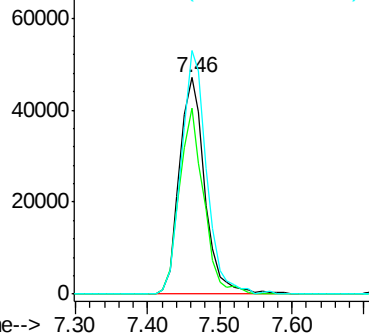
174 112.6 81.4 122.2

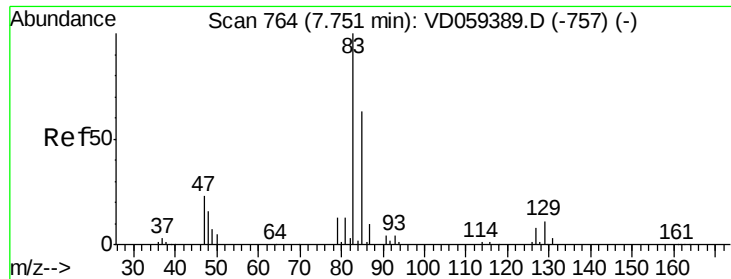


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.54 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleID :

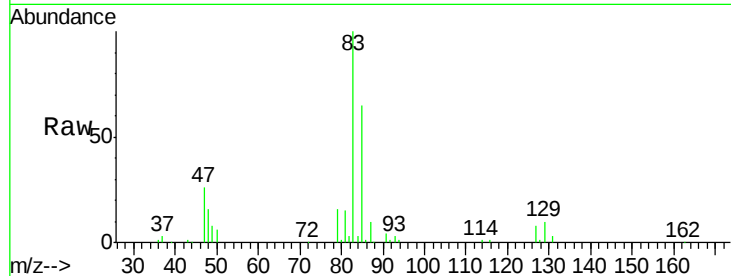
Tot Ion: 83 Resp: 263129

Ion Ratio Lower Upper

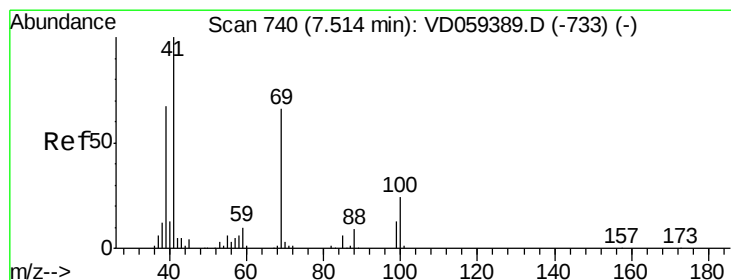
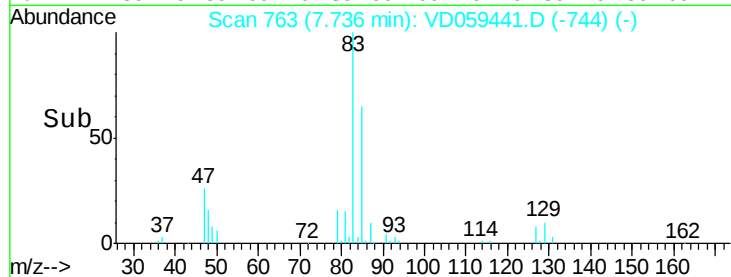
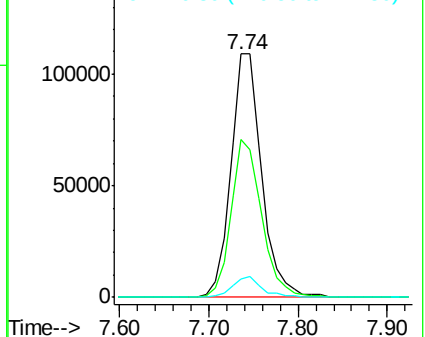
83 100

85 64.9 50.1 75.1

127 7.7 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: 17.94 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

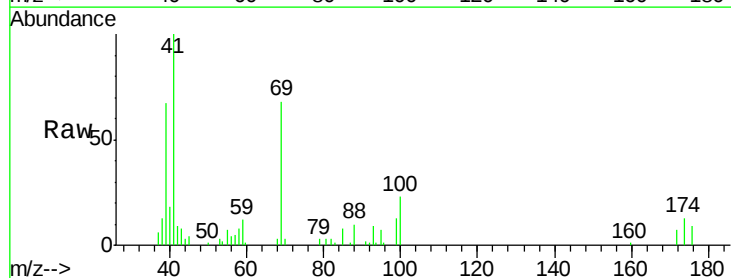
Tgt Ion: 41 Resp: 100096

Ion Ratio Lower Upper

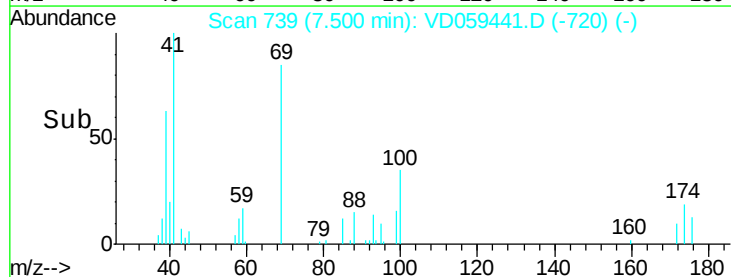
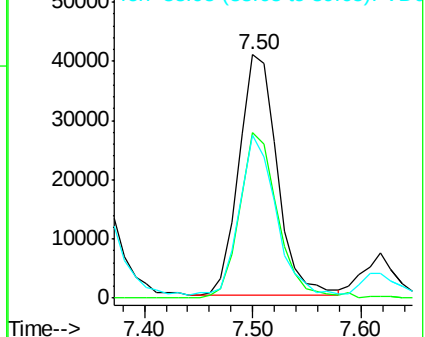
41 100

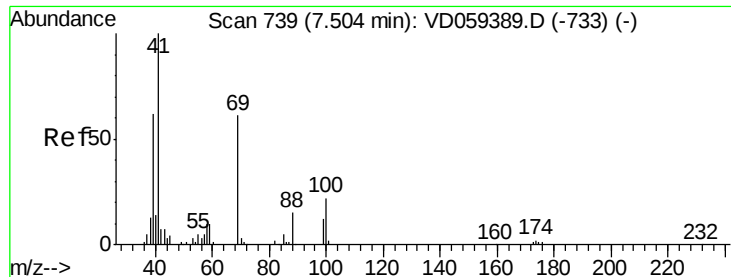
69 67.9 52.6 79.0

39 66.8 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

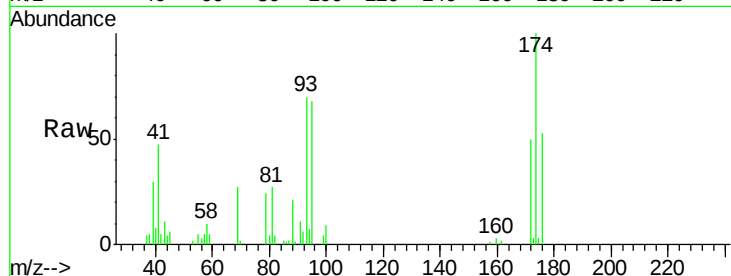




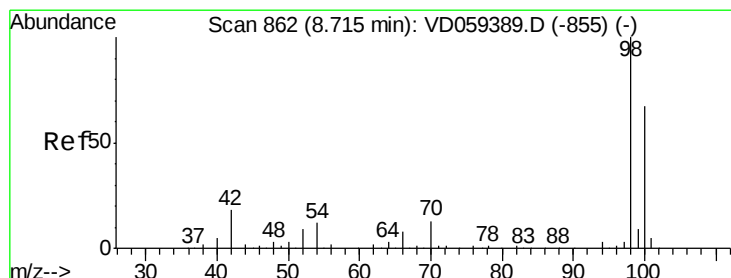
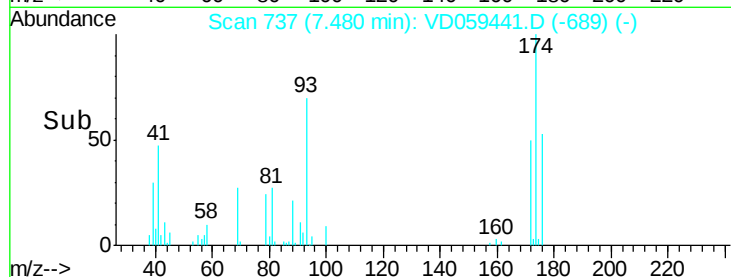
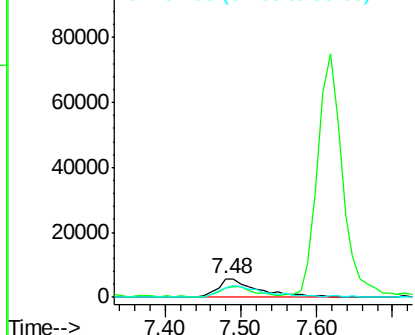
#49
1,4-Dioxane
Concen: 378.95 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 21208
Ion Ratio Lower Upper
88 100
43 50.1 41.0 61.4
58 46.5 53.4 80.0#

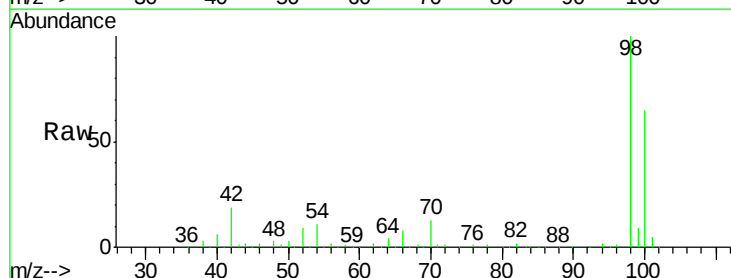


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

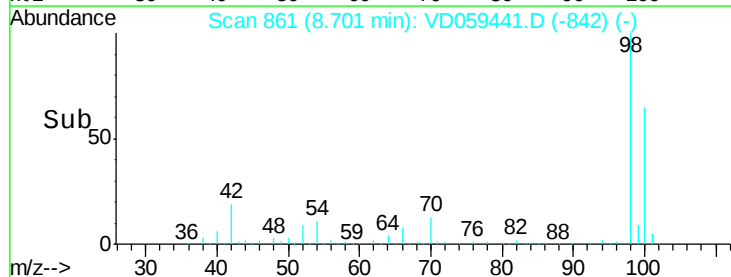
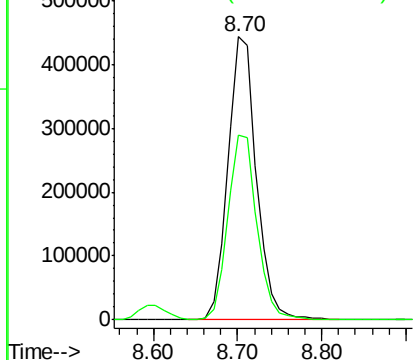


#50
Toluene-d8
Concen: 378.95 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 98 Resp: 1039080
Ion Ratio Lower Upper
98 100
100 65.3 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: 95.56 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

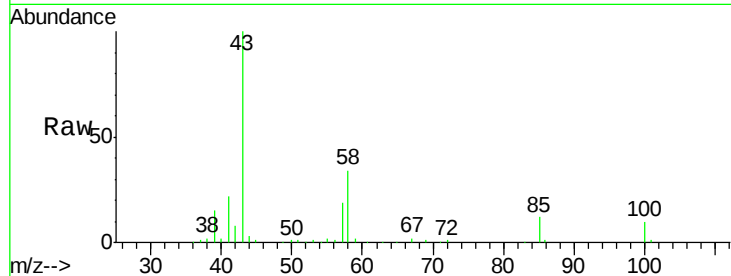
ClientSampleId :

Tot Ion: 43 Resp: 583257

Ion Ratio Lower Upper

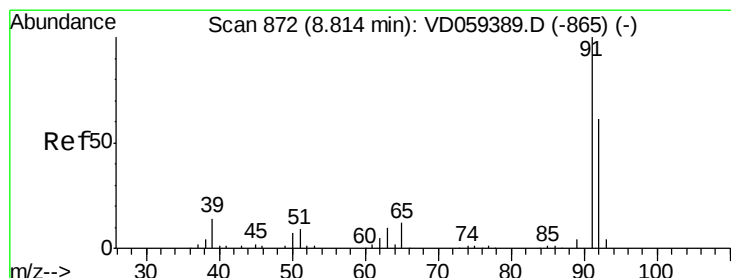
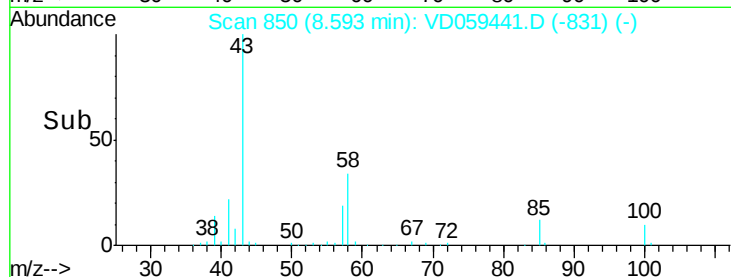
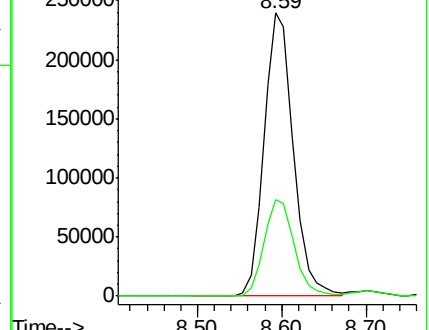
43 100

58 34.2 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: 20.08 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059441.D

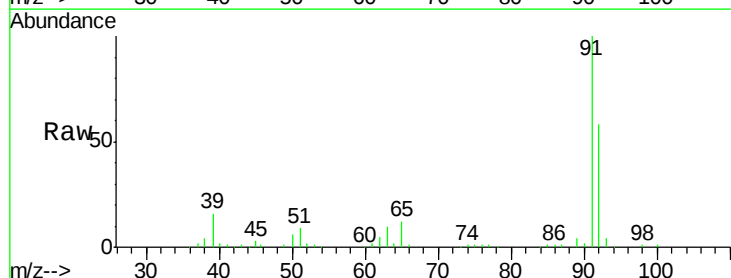
Acq: 27 Jun 2018 13:37

Tgt Ion: 92 Resp: 344593

Ion Ratio Lower Upper

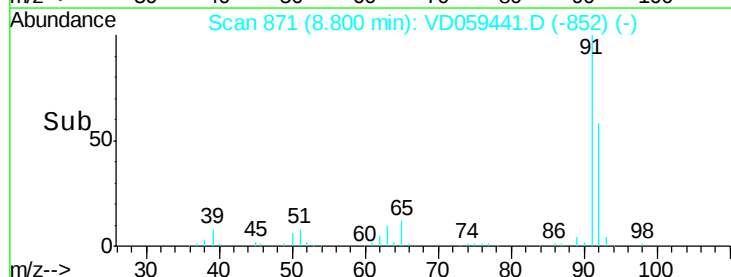
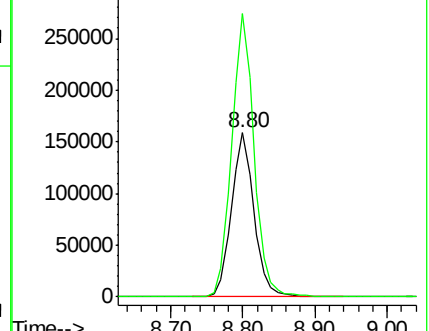
92 100

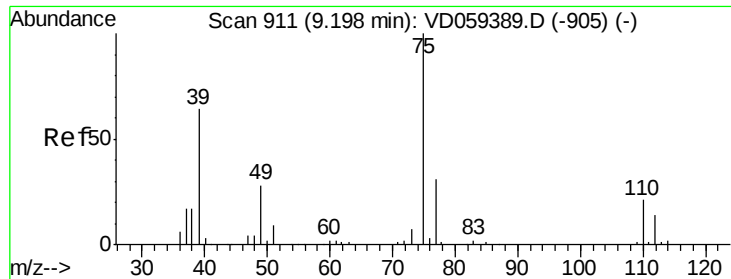
91 172.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

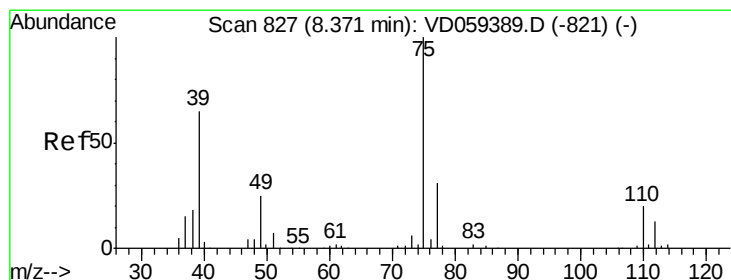
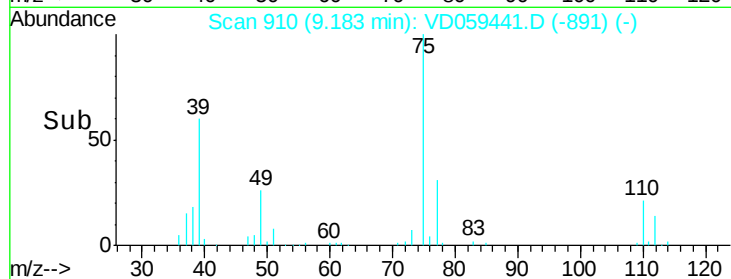
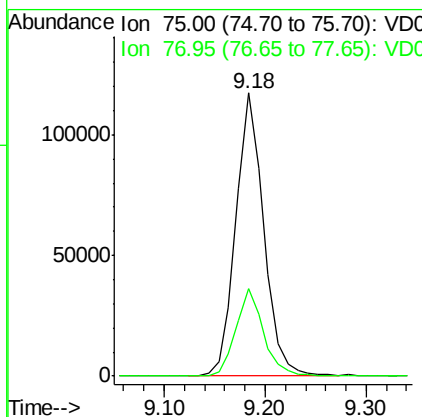
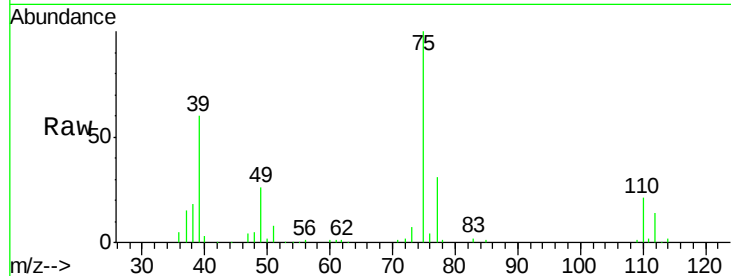




#53
 t-1,3-Dichloropropene
 Concen: 21.11 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

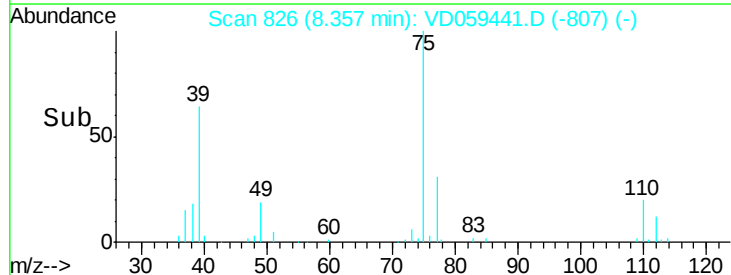
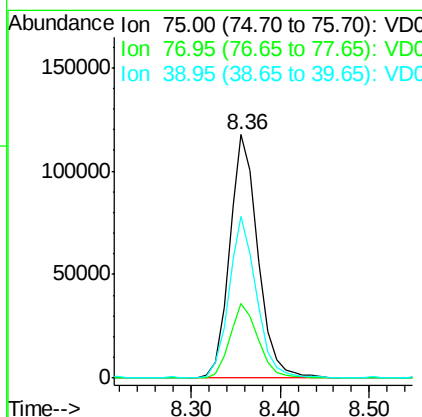
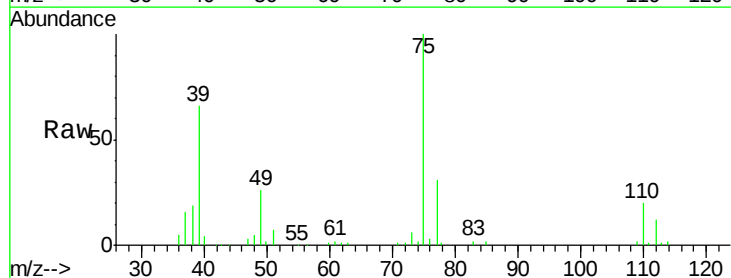
Instrument :
 MSVOA_D
 ClientSampled :

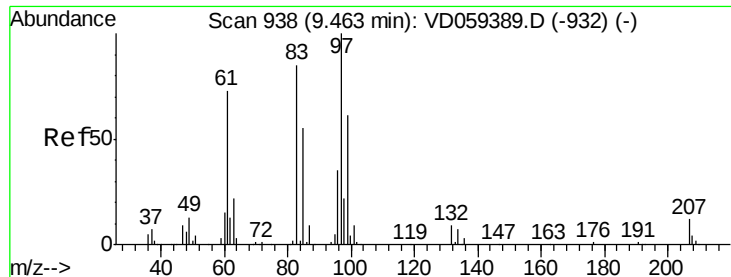
Tot Ion: 75 Resp: 225929
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.05 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 75 Resp: 260905
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.7 37.1
 39 66.4 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 18.98 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 118289

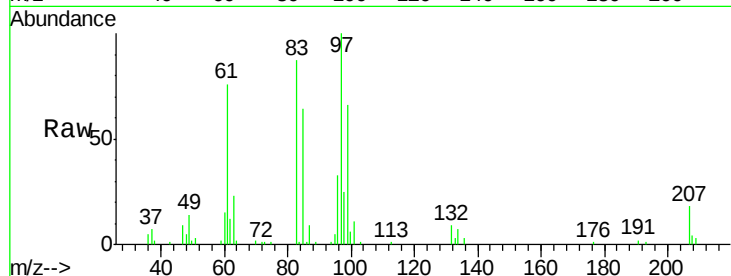
Ion Ratio Lower Upper

97 100

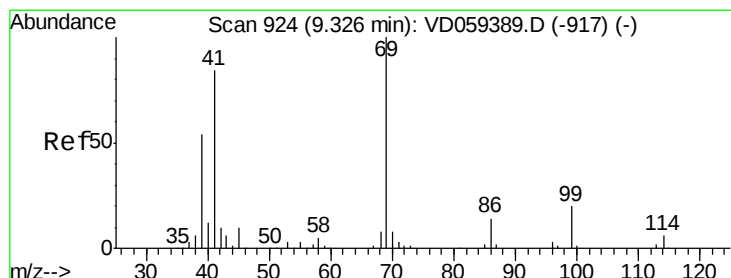
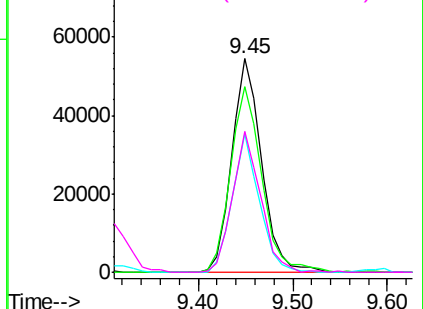
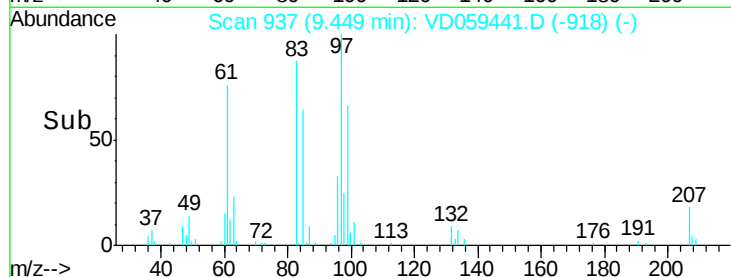
83 87.0 67.7 101.5

85 64.5 44.3 66.5

99 66.0 48.6 73.0



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



#56

Ethyl methacrylate

Concen: 19.70 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

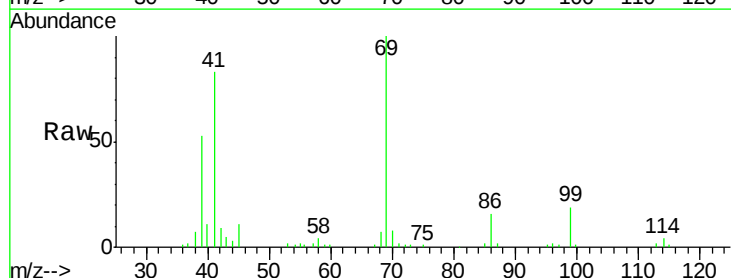
Tgt Ion: 69 Resp: 140098

Ion Ratio Lower Upper

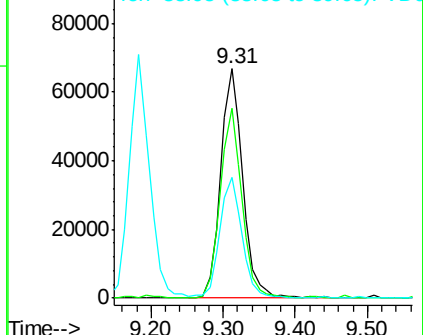
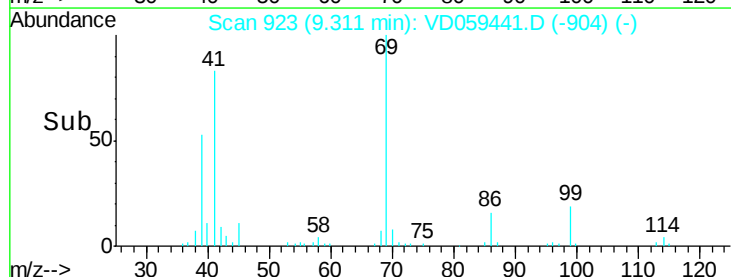
69 100

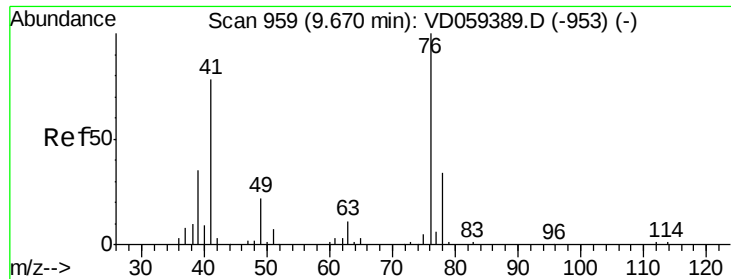
41 82.6 67.4 101.0

39 52.6 43.7 65.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.96 ug/l

RT: 9.67 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

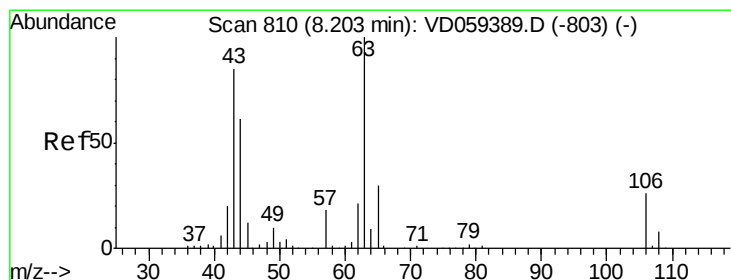
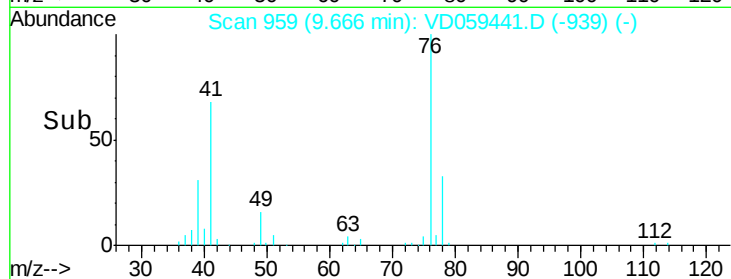
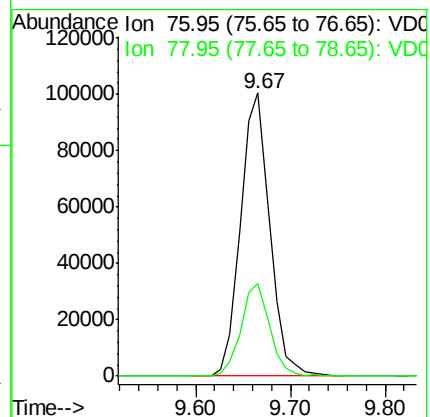
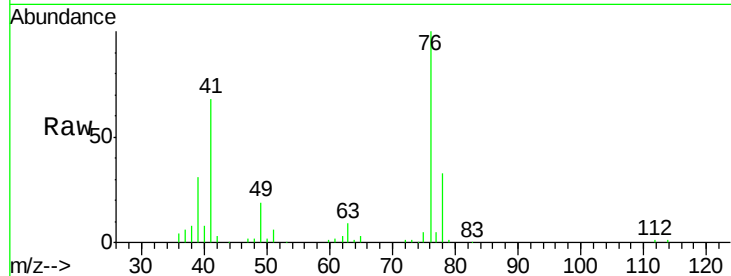
ClientSampled :

Tot Ion: 76 Resp: 213662

Ion Ratio Lower Upper

76 100

78 32.6 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 99.30 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059441.D

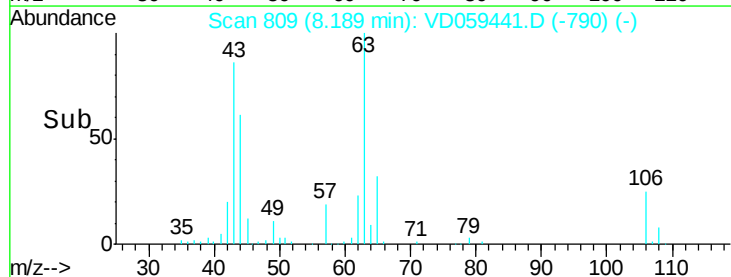
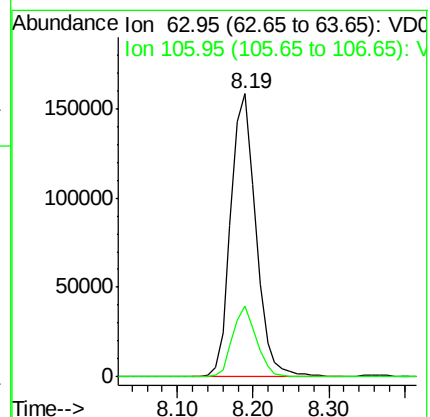
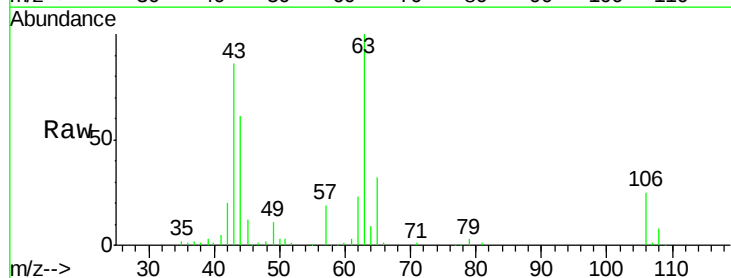
Acq: 27 Jun 2018 13:37

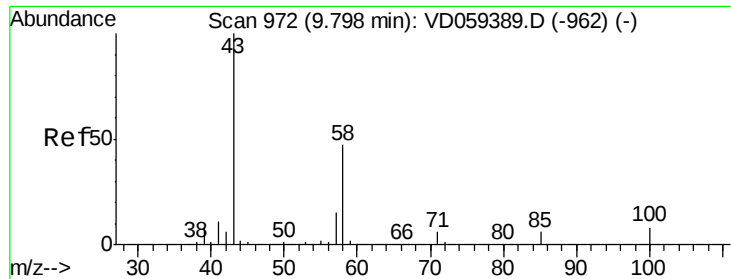
Tgt Ion: 63 Resp: 363500

Ion Ratio Lower Upper

63 100

106 25.3 20.6 31.0

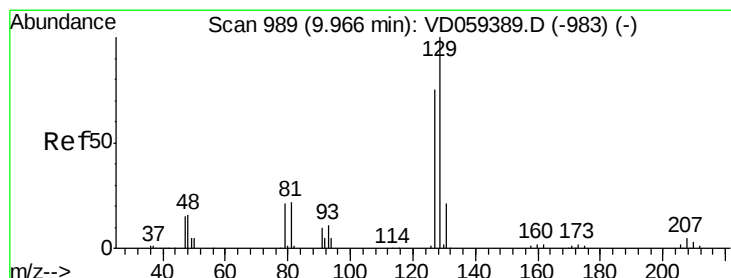
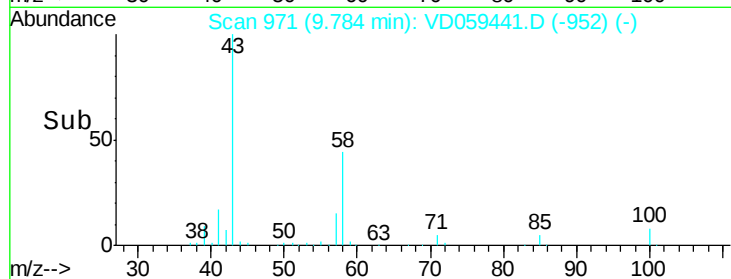
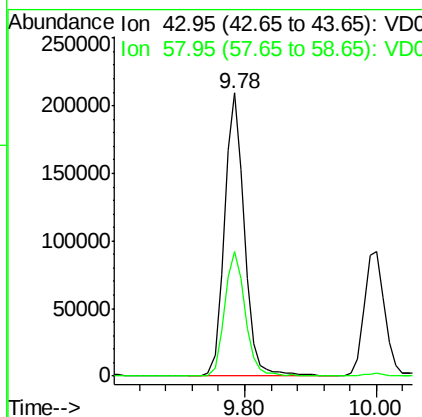
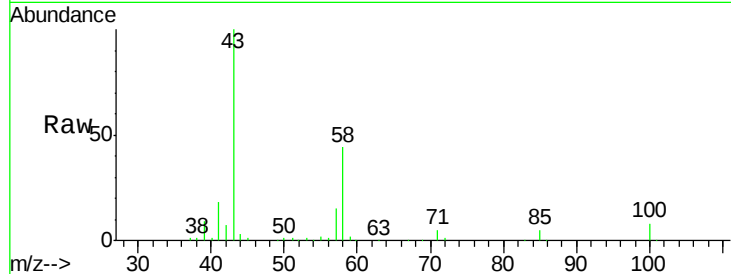




#59
2-Hexanone
Concen: 102.07 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

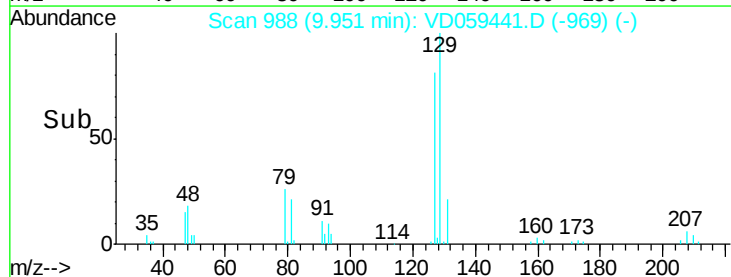
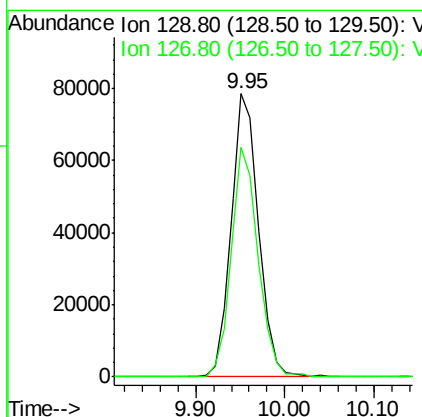
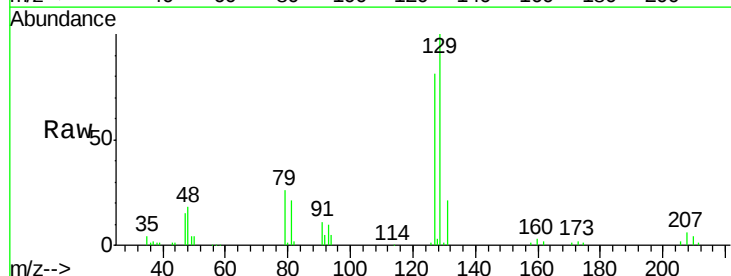
Instrument :
MSVOA_D
ClientSampled :

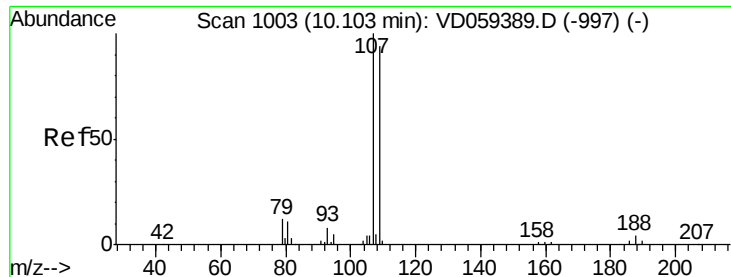
Tot Ion: 43 Resp: 442791
Ion Ratio Lower Upper
43 100
58 43.9 23.3 69.9



#60
Dibromochloromethane
Concen: 19.35 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion:129 Resp: 168900
Ion Ratio Lower Upper
129 100
127 81.2 37.3 111.8

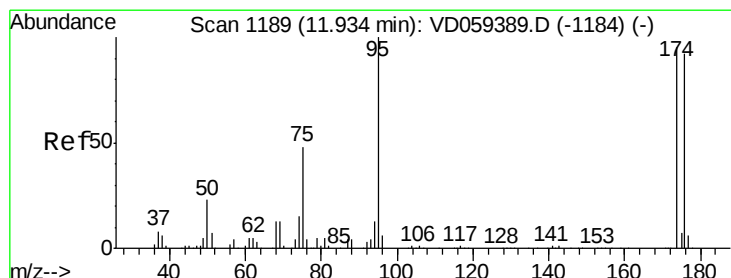
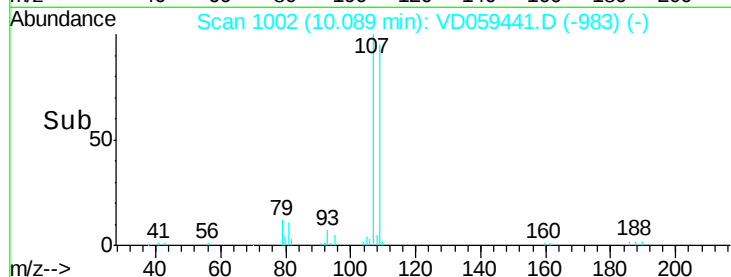
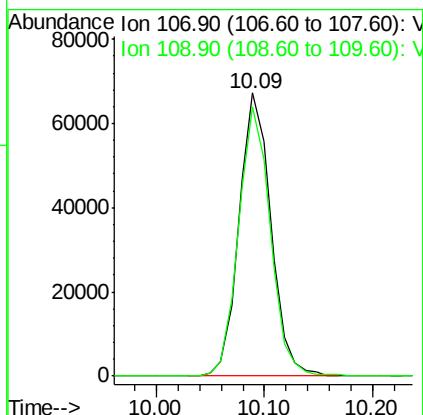
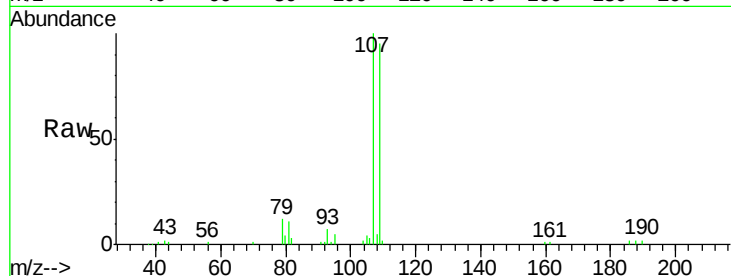




#61
 1,2-Dibromoethane
 Concen: 19.82 ug/l
 RT: 10.09 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

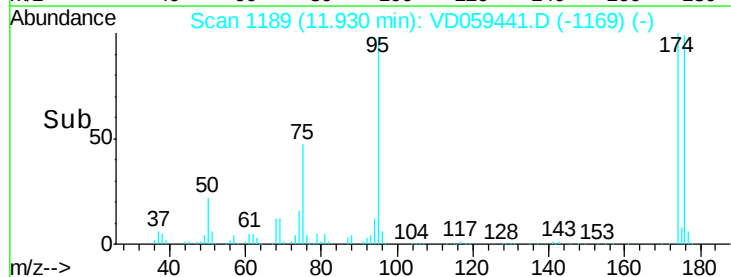
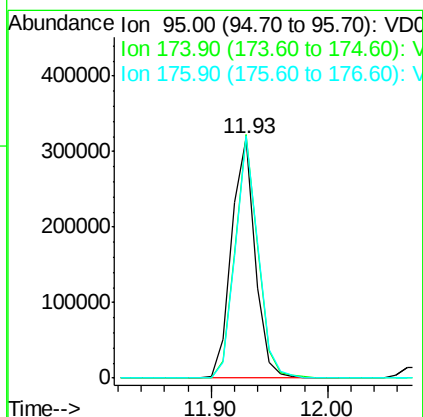
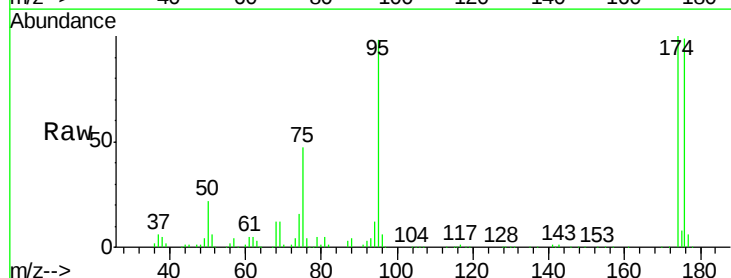
Instrument :
 MSVOA_D
 ClientSampleId :

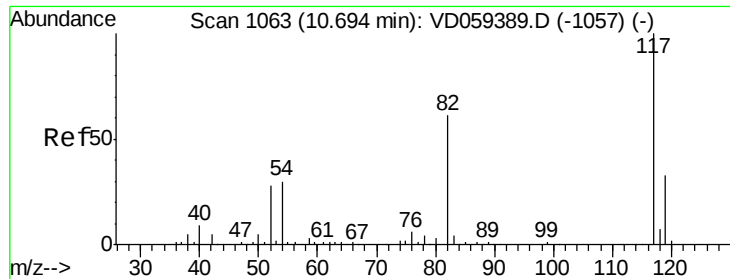
Tot Ion:107 Resp: 137562
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.82 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 95 Resp: 446562
 Ion Ratio Lower Upper
 95 100
 174 101.6 0.0 190.4
 176 101.0 0.0 183.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

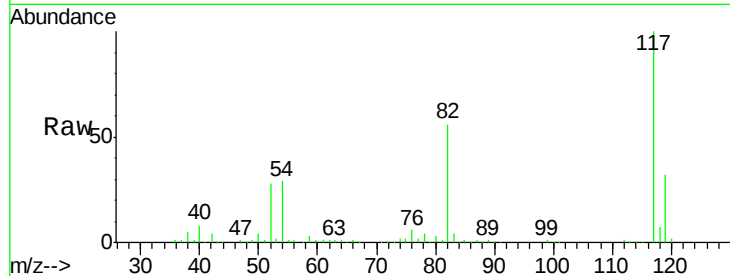
Tot Ion:117 Resp: 1032307

Ion Ratio Lower Upper

117 100

82 56.3 49.0 73.6

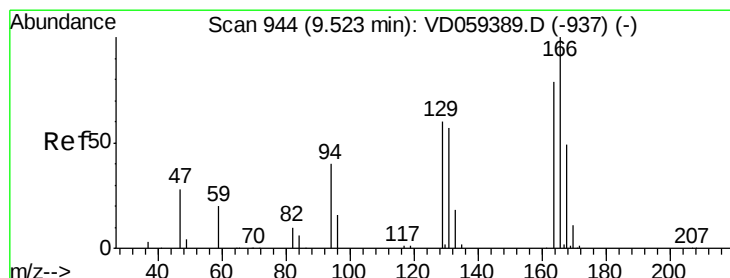
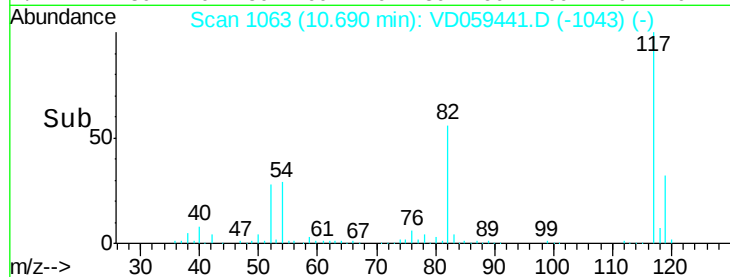
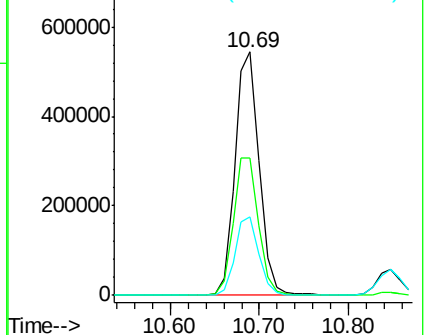
119 32.4 26.2 39.4



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: 19.28 ug/l

RT: 9.51 min Scan# 943

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion:164 Resp: 174621

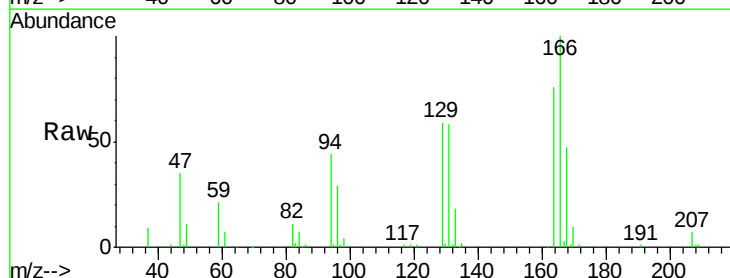
Ion Ratio Lower Upper

164 100

166 132.4 101.4 152.2

129 77.8 60.9 91.3

131 76.5 58.2 87.4

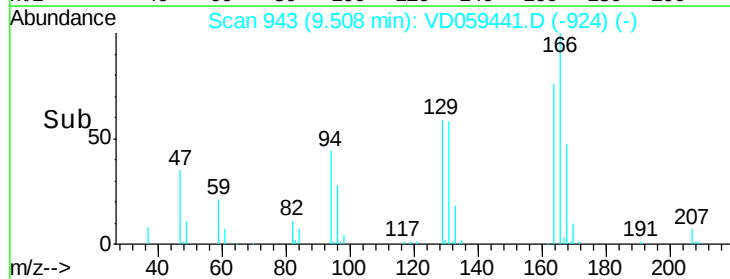
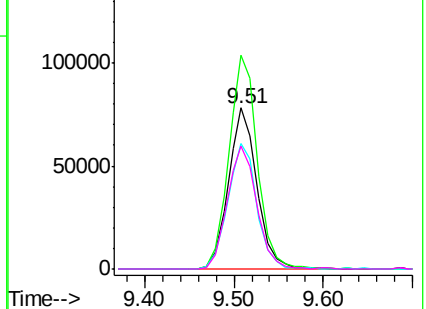


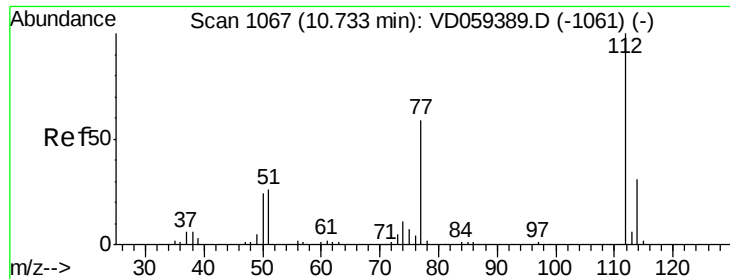
Abundance Ion 163.85 (163.55 to 164.55): V

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

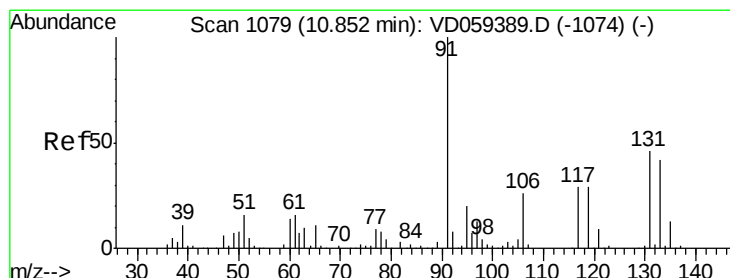
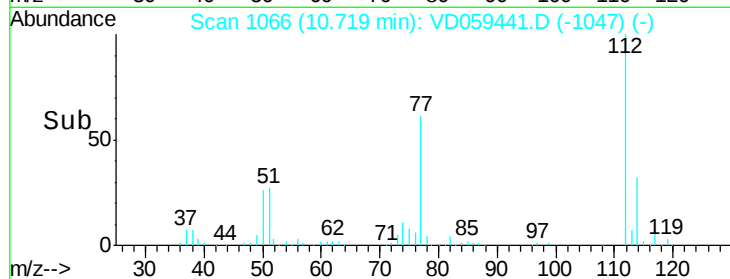
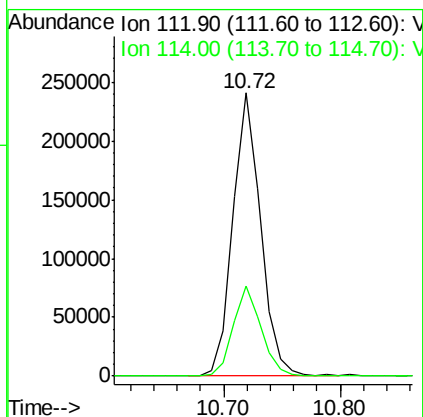
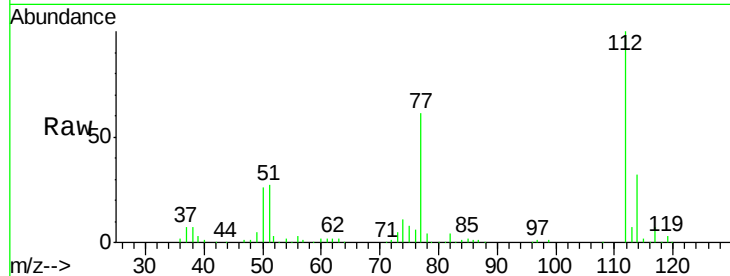




#65
Chlorobenzene
Concen: 21.12 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

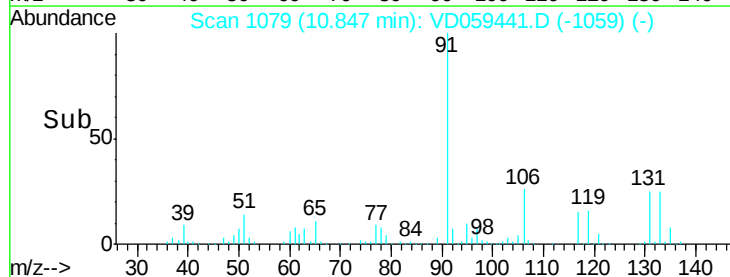
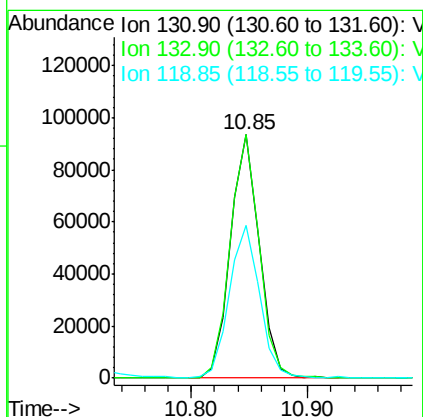
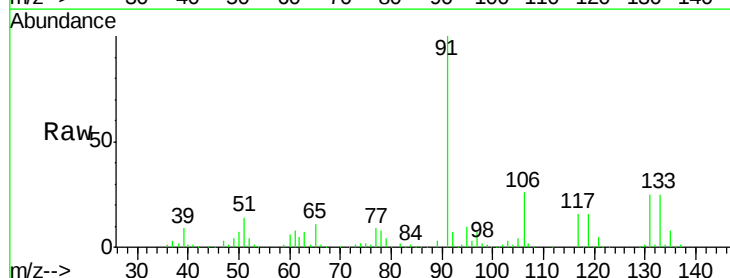
Instrument :
MSVOA_D
ClientSampled :

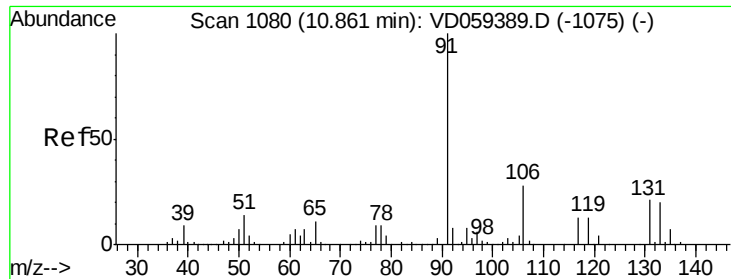
Tot Ion:112 Resp: 398670
Ion Ratio Lower Upper
112 100
114 32.0 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.12 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion:131 Resp: 160263
Ion Ratio Lower Upper
131 100
133 99.8 45.7 137.1
119 63.0 32.3 96.9

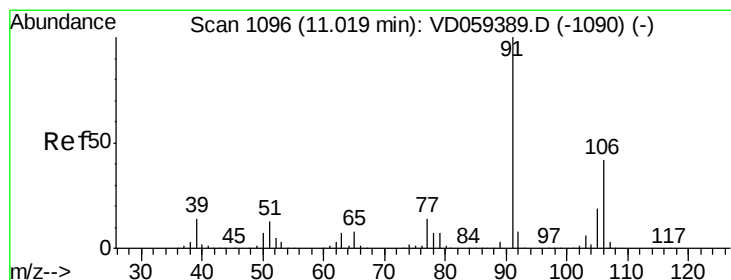
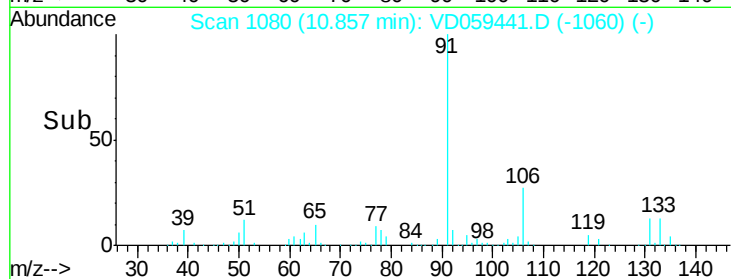
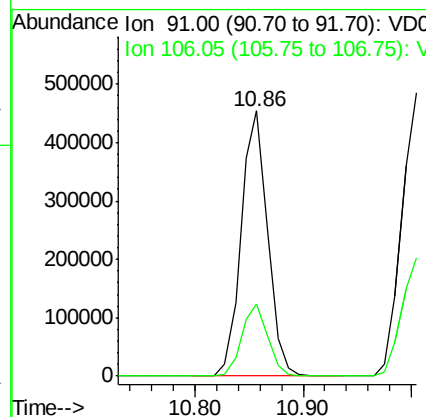
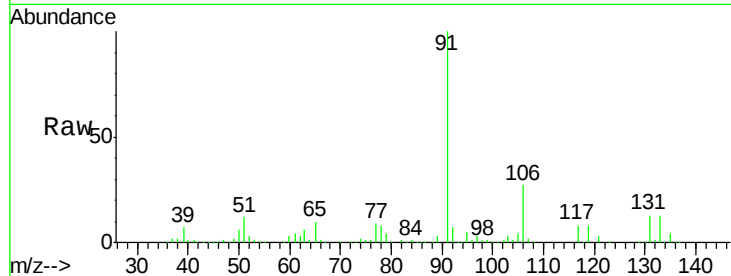




#67
Ethyl Benzene
Concen: 24.16 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

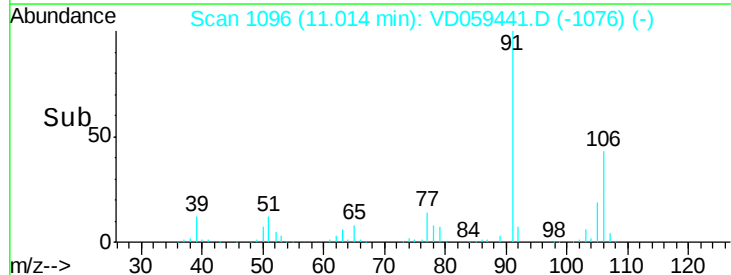
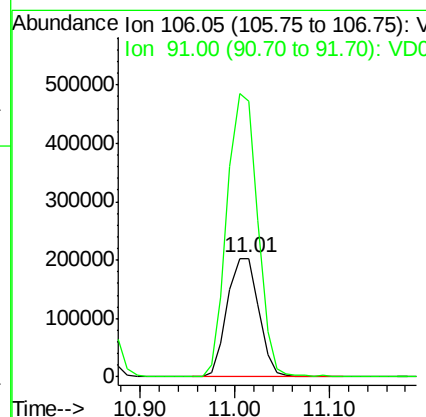
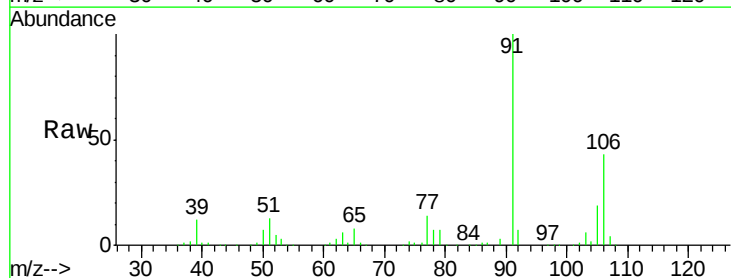
Instrument :
MSVOA_D
ClientSampleId :

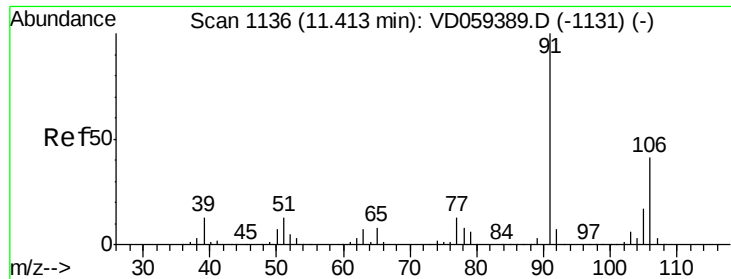
Tot Ion: 91 Resp: 769583
Ion Ratio Lower Upper
91 100
106 27.4 22.3 33.5



#68
m/p-Xylenes
Concen: 44.40 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 106 Resp: 469226
Ion Ratio Lower Upper
106 100
91 233.0 191.0 286.6

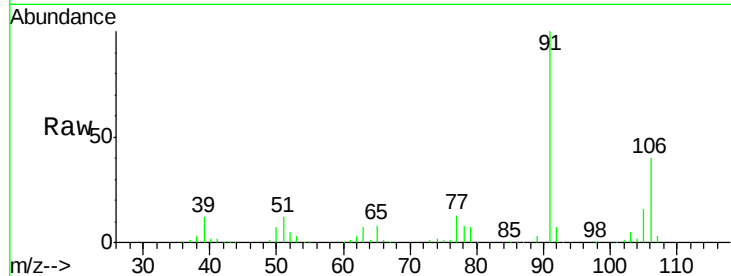




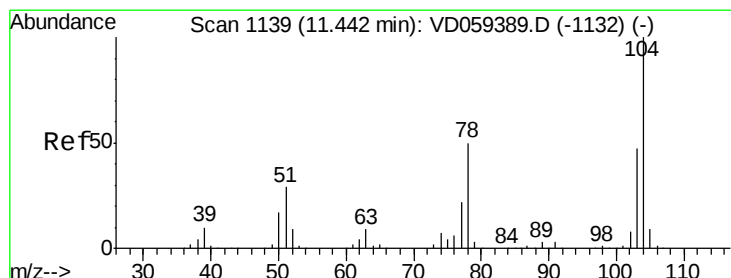
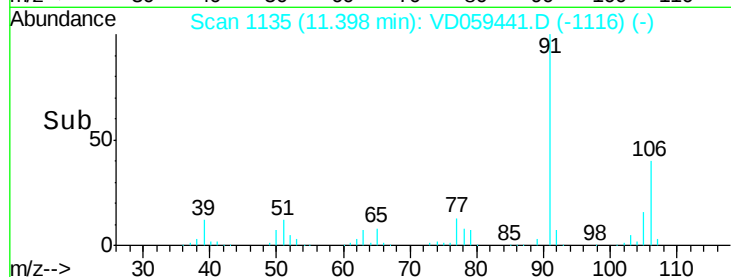
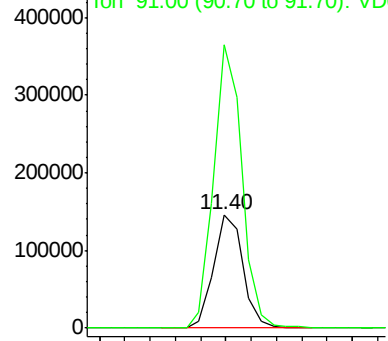
#69
o-Xylene
Concen: 22.57 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 235771
Ion Ratio Lower Upper
106 100
91 250.2 121.0 362.8

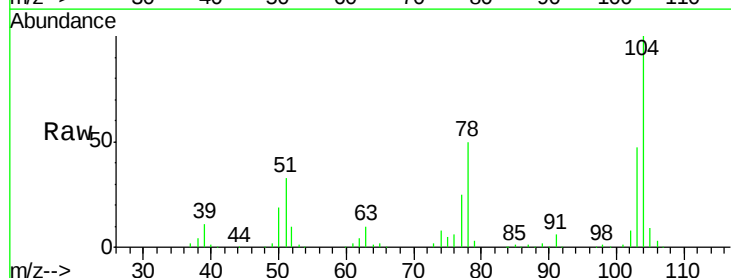


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

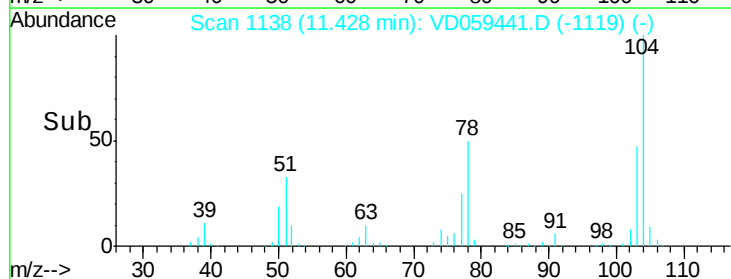
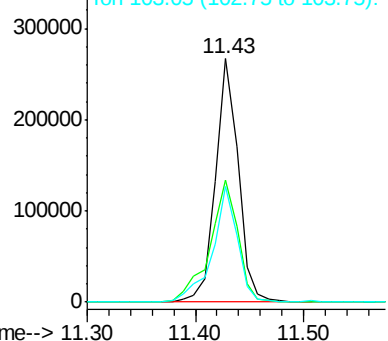


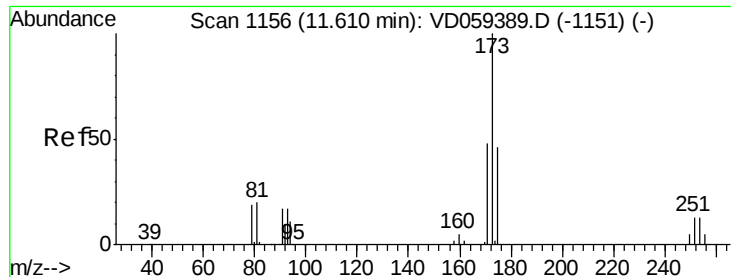
#70
Styrene
Concen: 21.71 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion:104 Resp: 388836
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 47.4 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

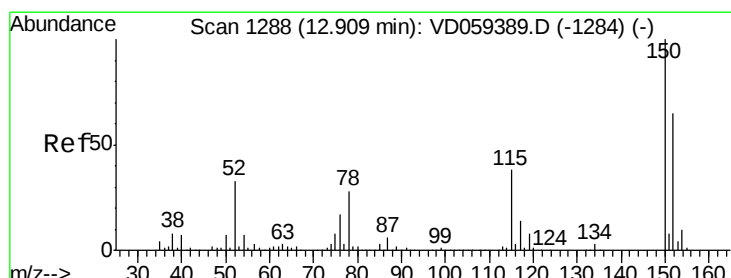
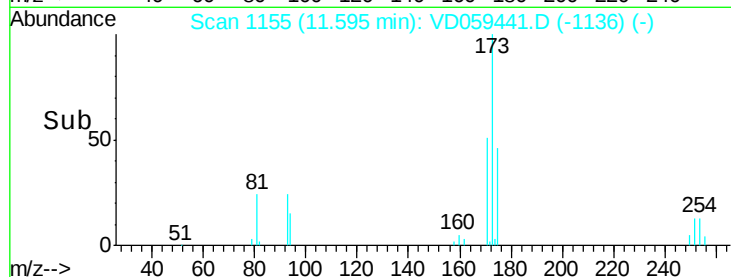
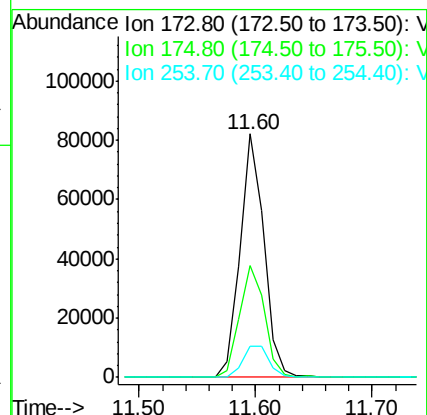
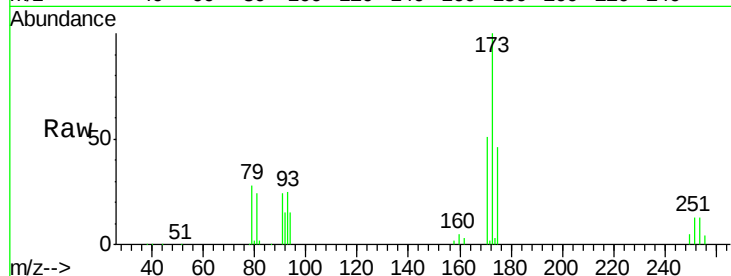




#71
Bromoform
Concen: 19.50 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

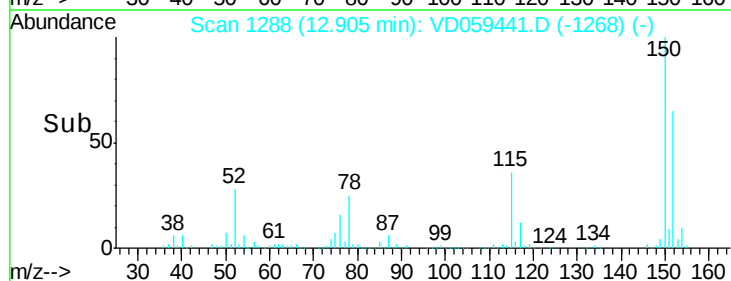
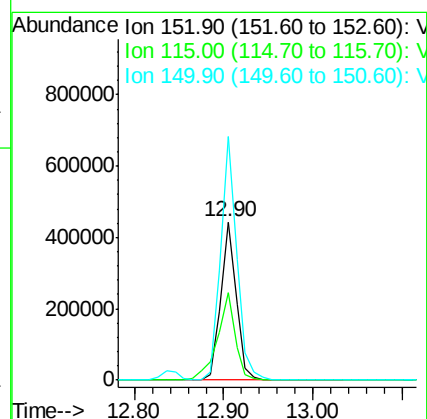
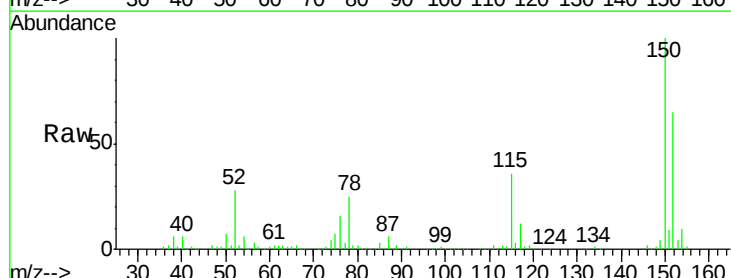
Instrument :
MSVOA_D
ClientSampled :

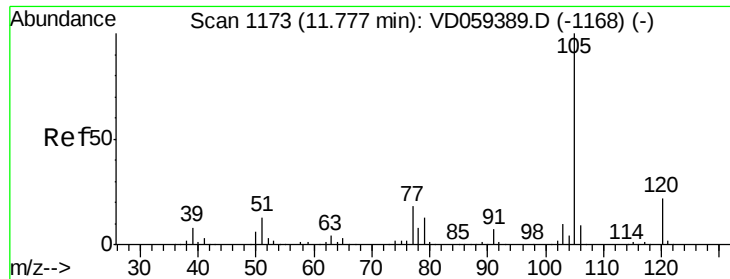
Tot Ion:173 Resp: 117041
Ion Ratio Lower Upper
173 100
175 45.8 22.8 68.4
254 12.5 10.1 15.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion:152 Resp: 538767
Ion Ratio Lower Upper
152 100
115 55.0 29.4 88.3
150 154.0 0.0 308.2





#73

Isopropylbenzene

Concen: 22.58 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

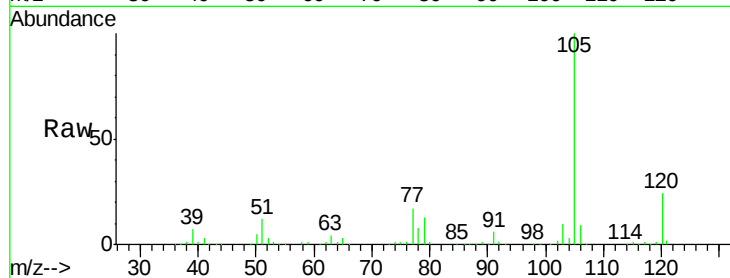
ClientSampleId :

Tot Ion:105 Resp: 686593

Ion Ratio Lower Upper

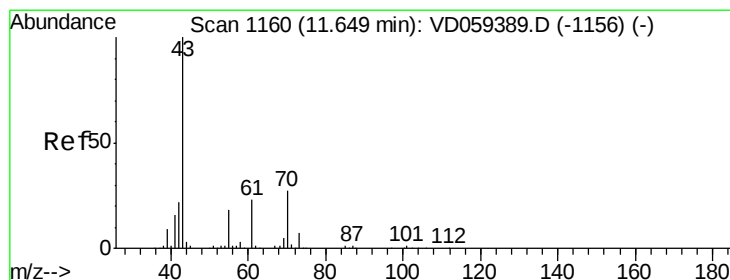
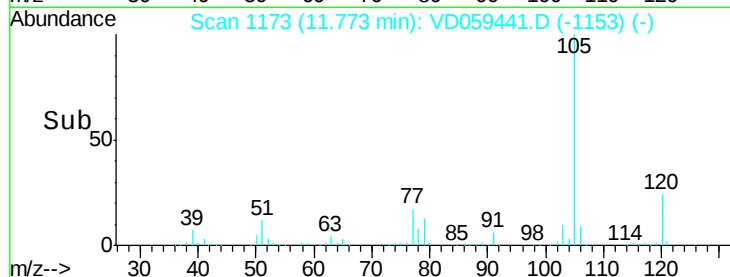
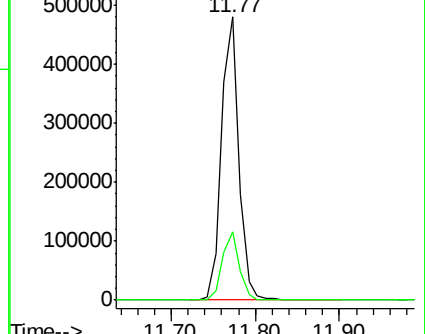
105 100

120 23.9 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.04 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion: 43 Resp: 220241

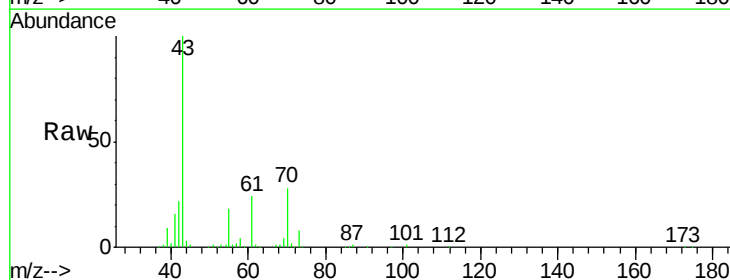
Ion Ratio Lower Upper

43 100

70 27.8 21.7 32.5

55 18.0 14.6 22.0

61 24.2 18.0 27.0

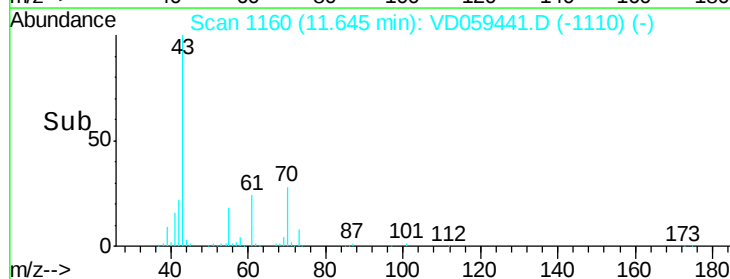
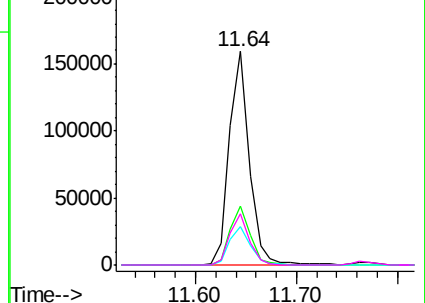


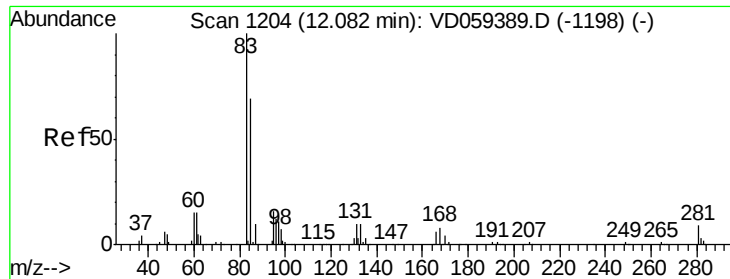
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.87 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

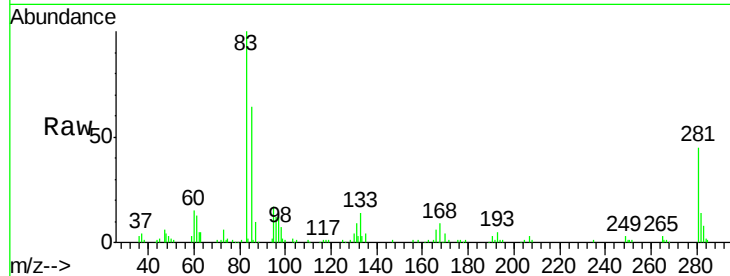
Tot Ion: 83 Resp: 141731

Ion Ratio Lower Upper

83 100

131 8.8 4.9 14.6

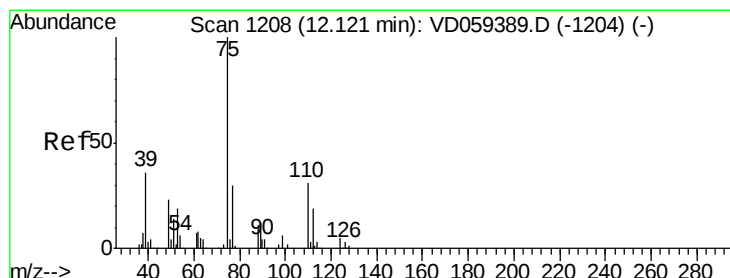
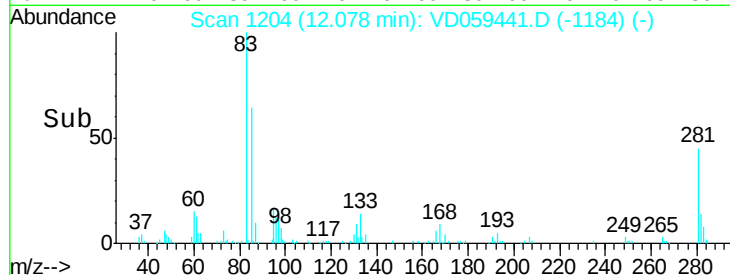
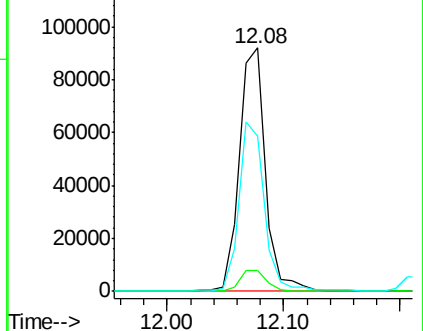
85 63.7 34.6 103.8



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: 19.10 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059441.D

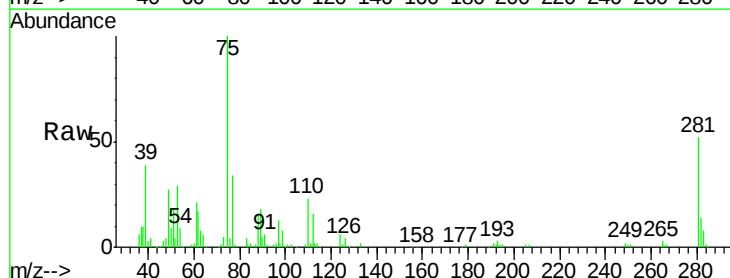
Acq: 27 Jun 2018 13:37

Tgt Ion: 75 Resp: 141929

Ion Ratio Lower Upper

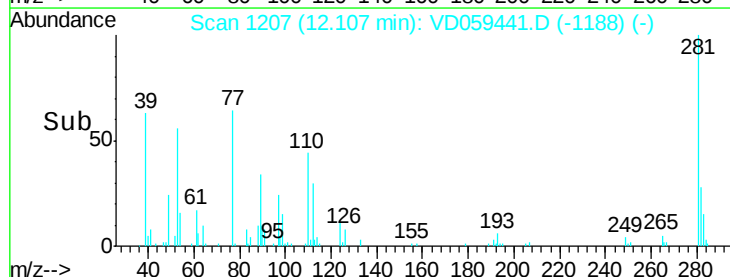
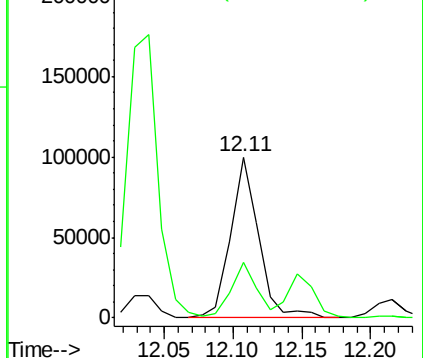
75 100

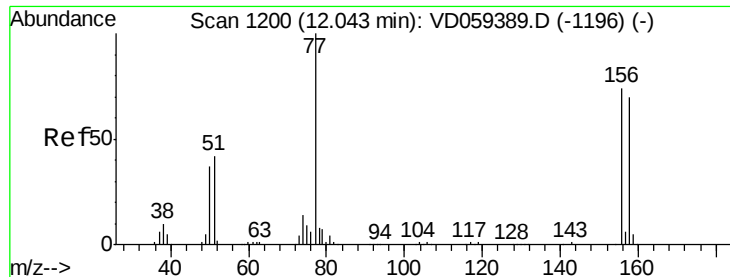
77 34.4 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.14 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

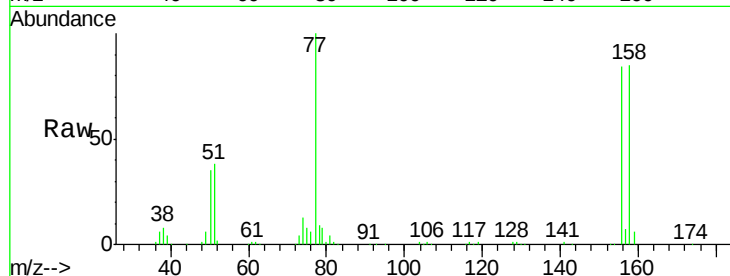
Tot Ion:156 Resp: 202262

Ion Ratio Lower Upper

156 100

77 119.3 68.0 203.8

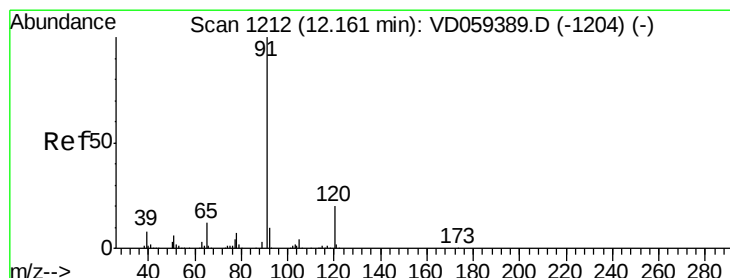
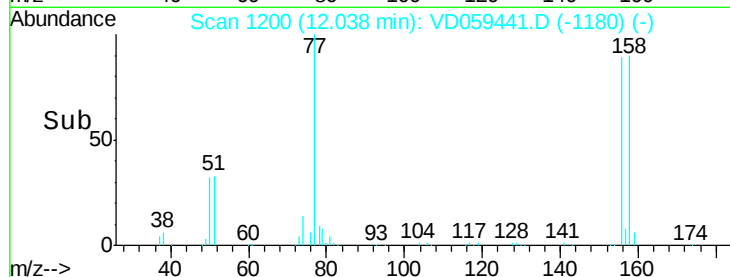
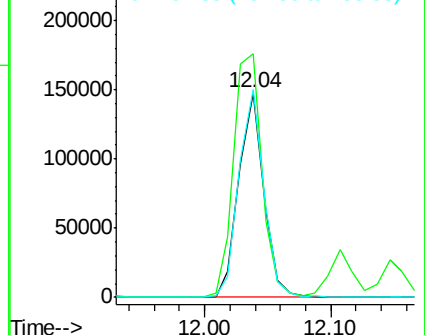
158 101.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.43 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059441.D

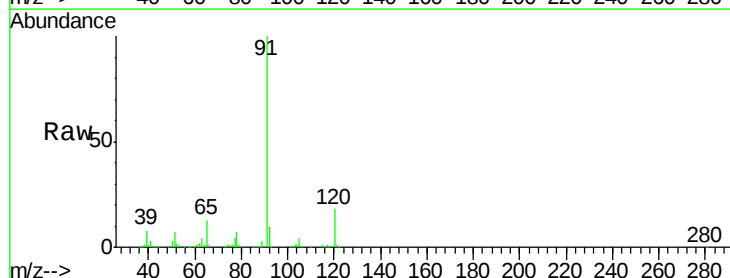
Acq: 27 Jun 2018 13:37

Tgt Ion: 91 Resp: 863826

Ion Ratio Lower Upper

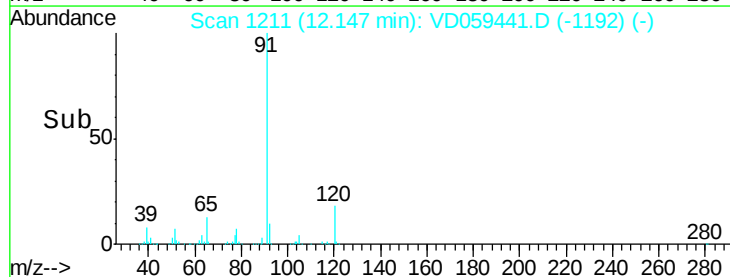
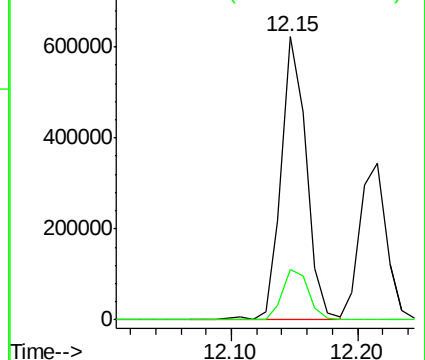
91 100

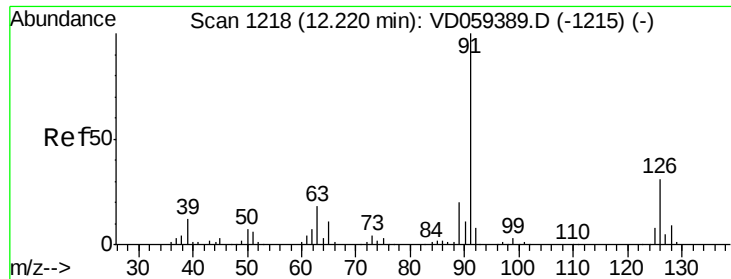
120 17.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

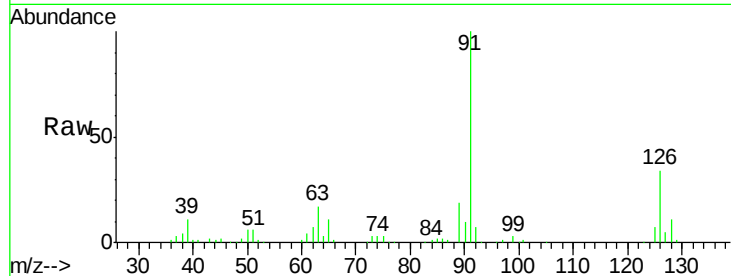




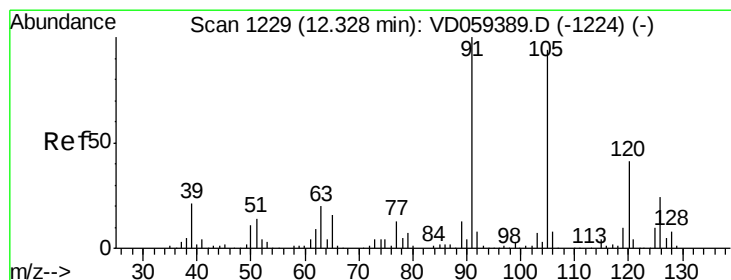
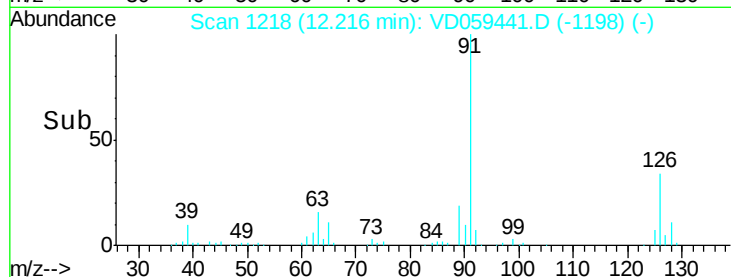
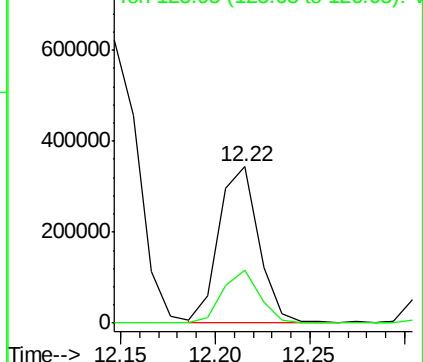
#79
 2-Chlorotoluene
 Concen: 22.11 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 500072
 Ion Ratio Lower Upper
 91 100
 126 33.8 15.2 45.5

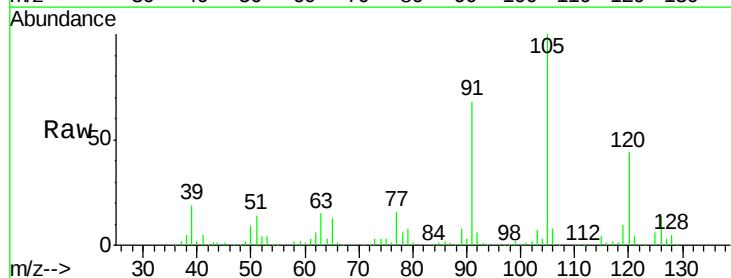


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

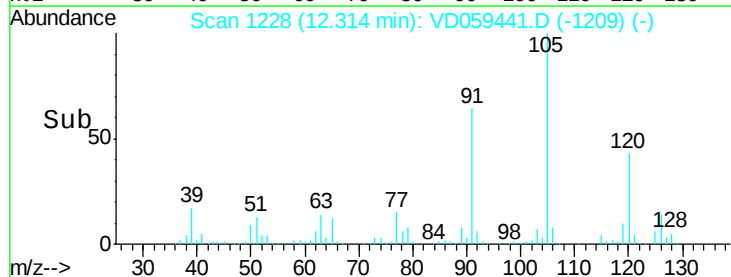
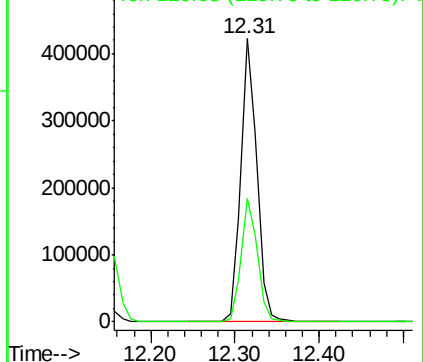


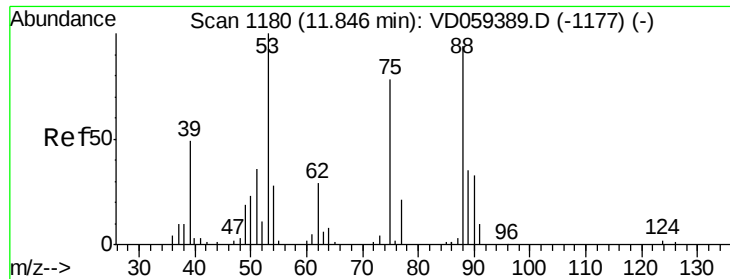
#80
 1,3,5-Trimethylbenzene
 Concen: 23.16 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 105 Resp: 560536
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.00 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

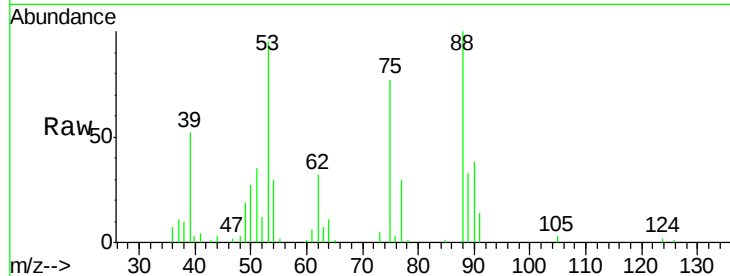
Tot Ion: 75 Resp: 33778

Ion Ratio Lower Upper

75 100

53 123.3 102.6 154.0

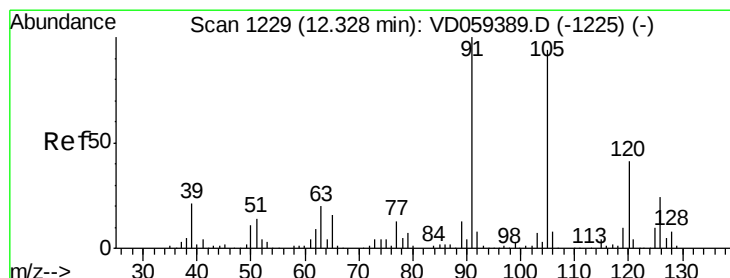
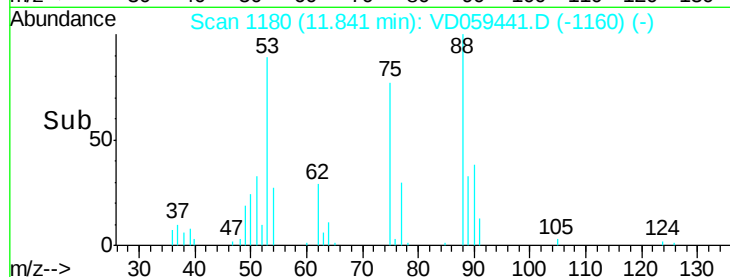
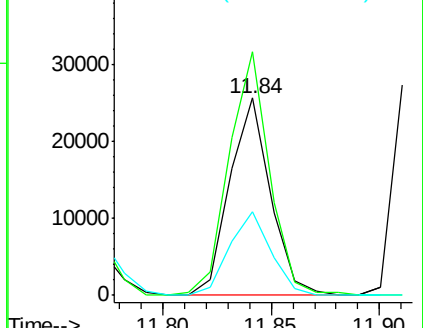
89 42.6 35.9 53.9



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: 22.57 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059441.D

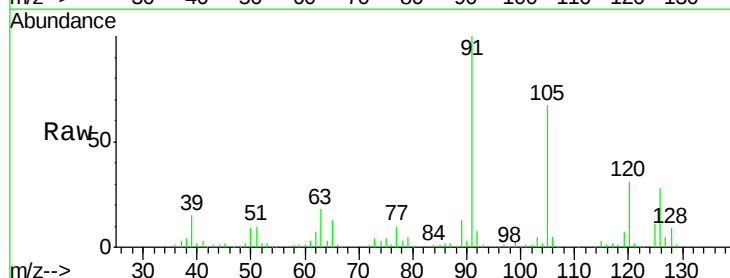
Acq: 27 Jun 2018 13:37

Tgt Ion: 91 Resp: 578841

Ion Ratio Lower Upper

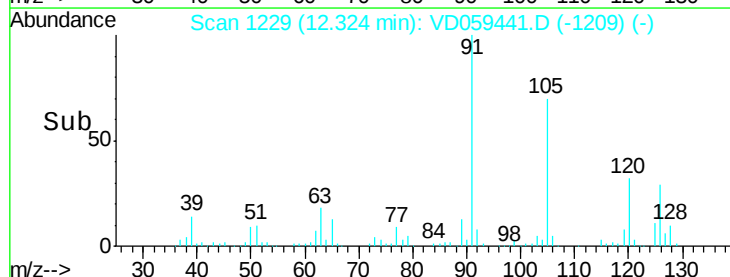
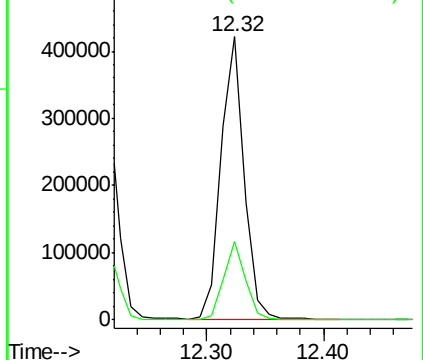
91 100

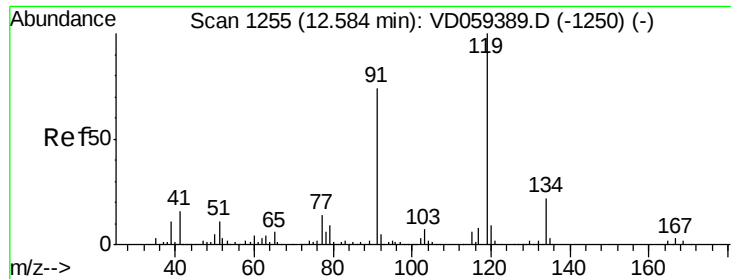
126 27.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

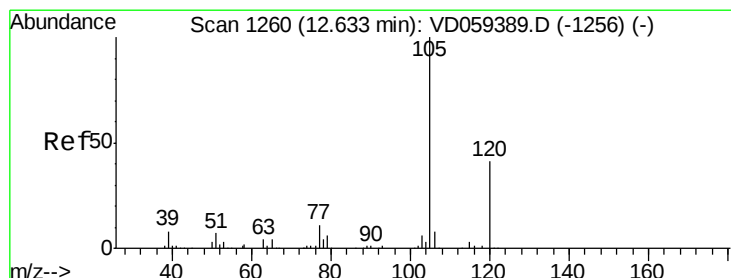
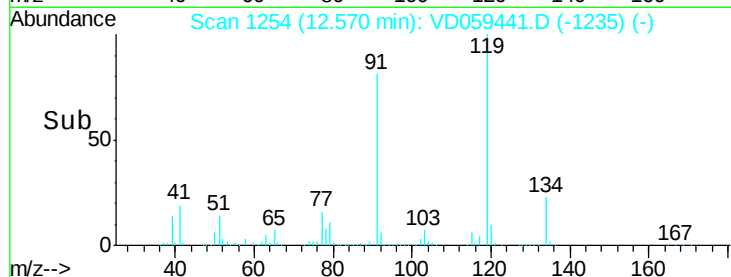
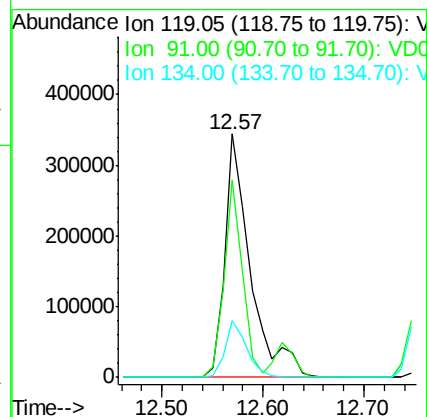
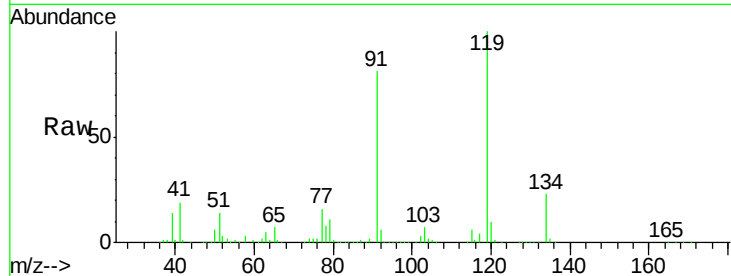




#83
 tert-Butylbenzene
 Concen: 23.59 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

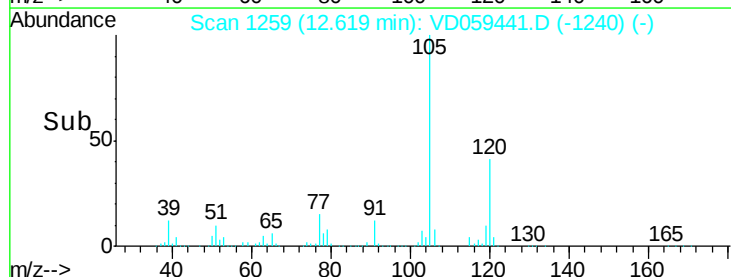
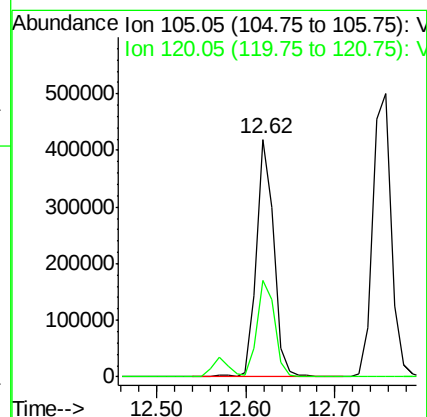
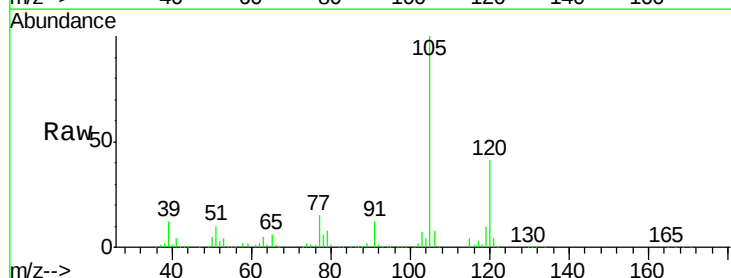
Instrument :
 MSVOA_D
 ClientSampleID :

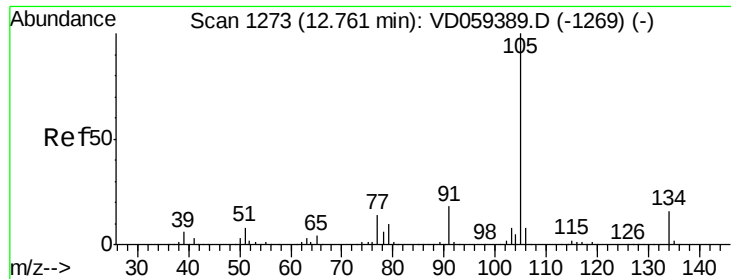
Tot Ion:119 Resp: 607382
 Ion Ratio Lower Upper
 119 100
 91 81.3 36.9 110.7
 134 23.2 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.80 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion:105 Resp: 558477
 Ion Ratio Lower Upper
 105 100
 120 40.8 21.5 64.5





#85

sec-Butylbenzene

Concen: 22.44 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

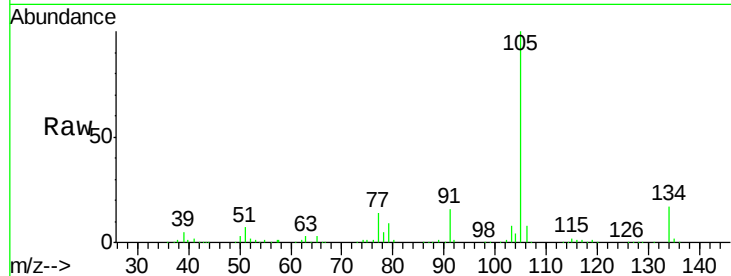
ClientSampled :

Tot Ion:105 Resp: 708955

Ion Ratio Lower Upper

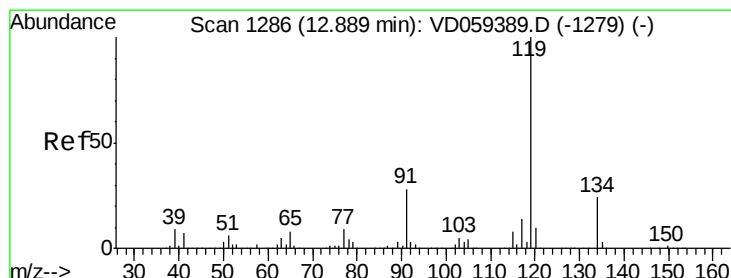
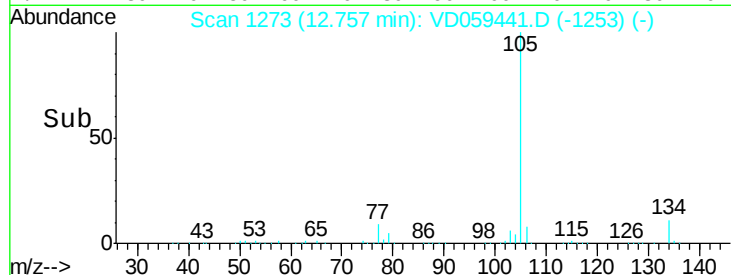
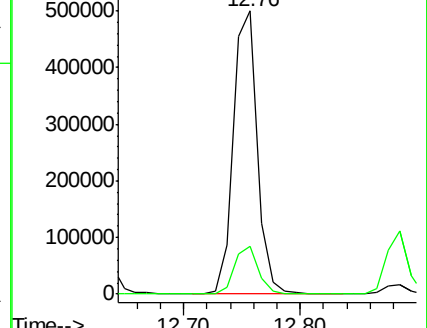
105 100

134 17.1 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.86 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

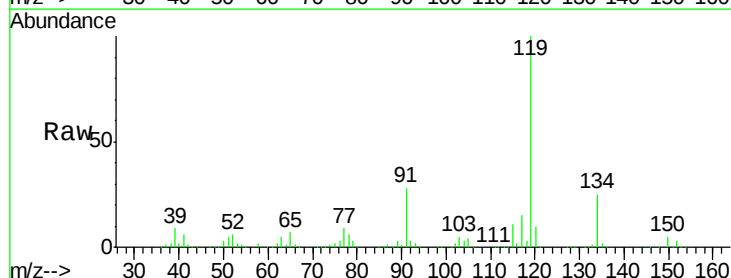
Tgt Ion:119 Resp: 582046

Ion Ratio Lower Upper

119 100

134 24.8 11.9 35.5

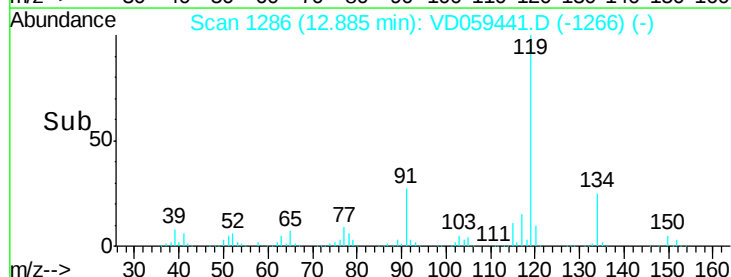
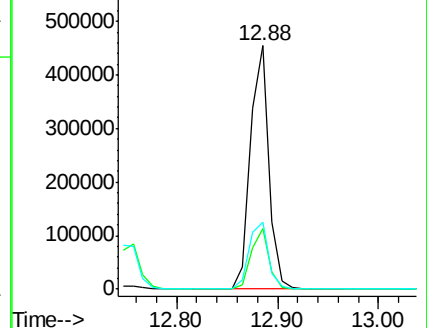
91 27.5 14.1 42.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

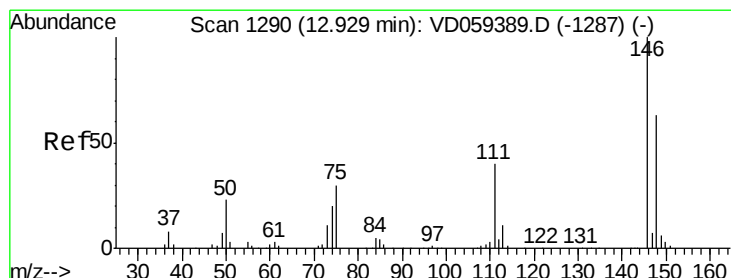
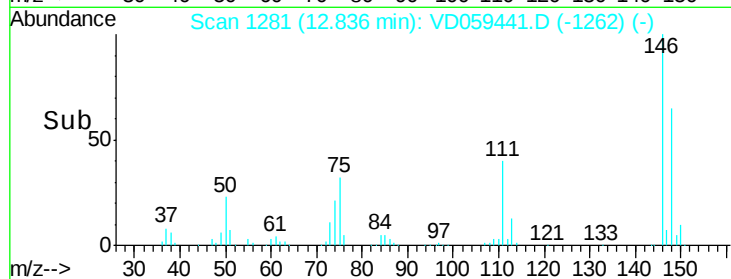
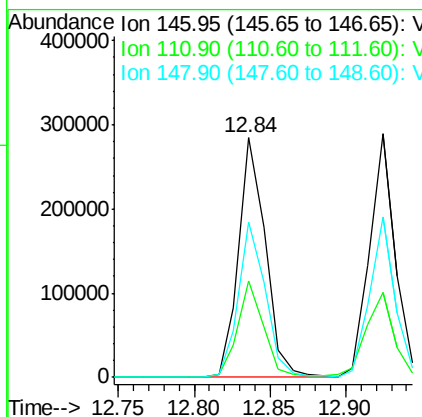
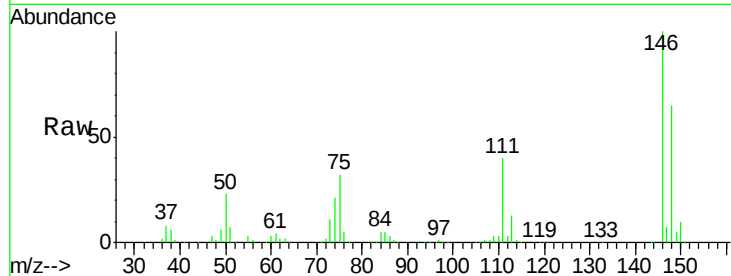




#87
 1,3-Dichlorobenzene
 Concen: 22.39 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

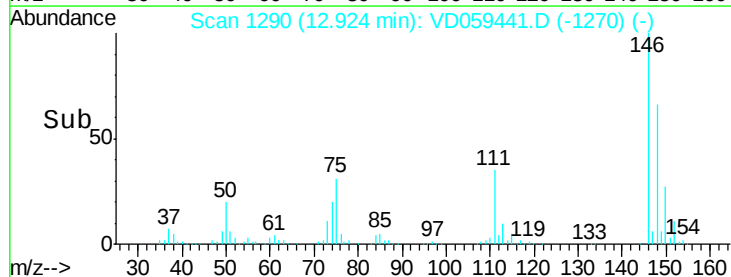
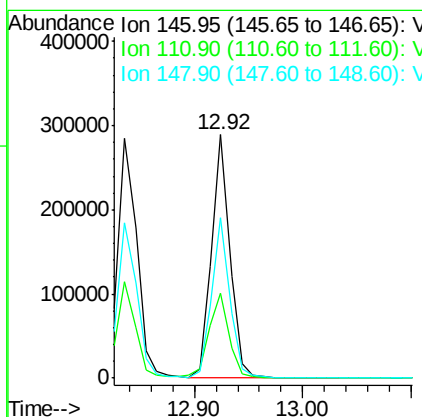
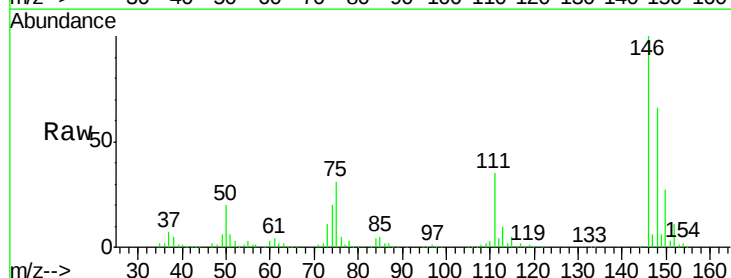
Instrument :
 MSVOA_D
 ClientSampleId :

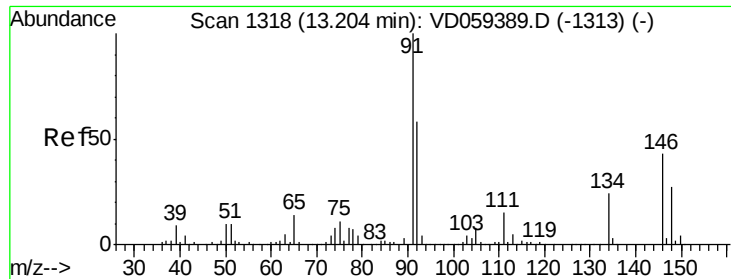
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	17.6	52.8
148	65.1	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 22.12 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.1	60.2
148	65.9	31.4	94.0

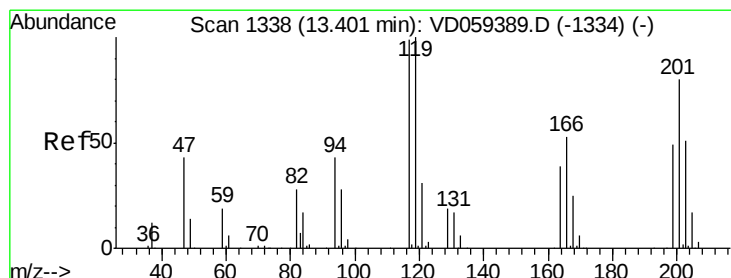
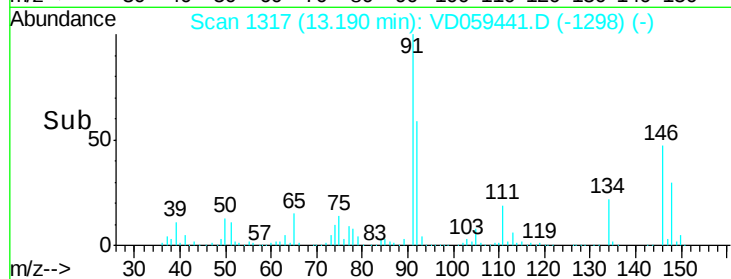
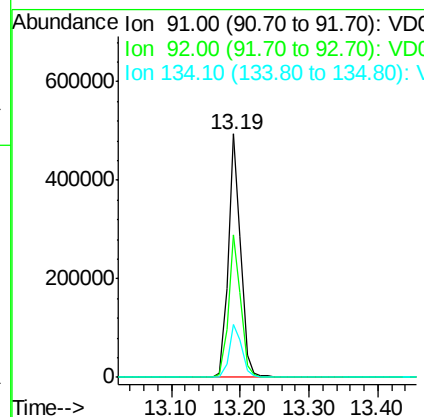
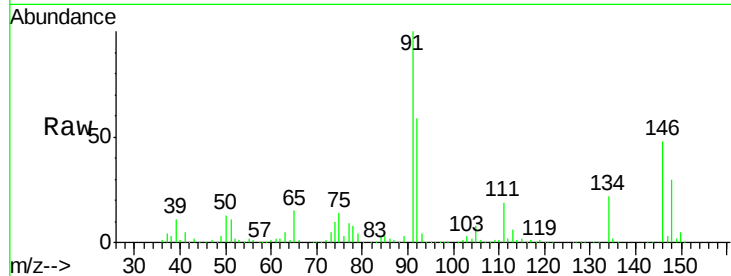




#89
n-Butylbenzene
Concen: 24.47 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

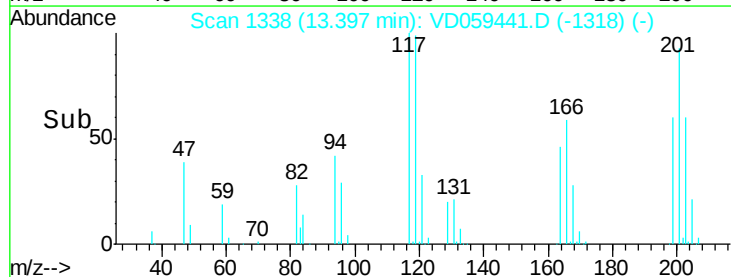
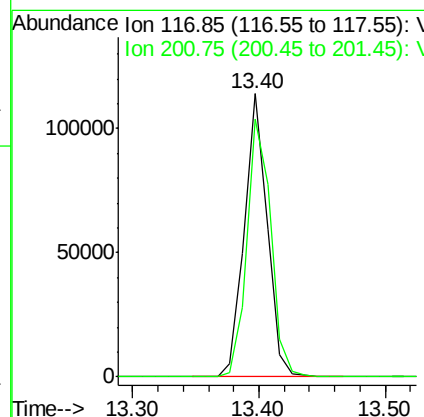
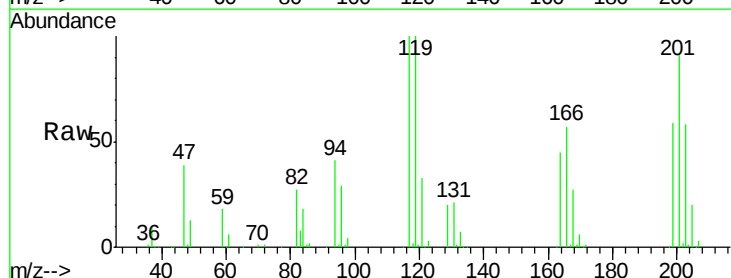
Instrument :
MSVOA_D
ClientSampleId :

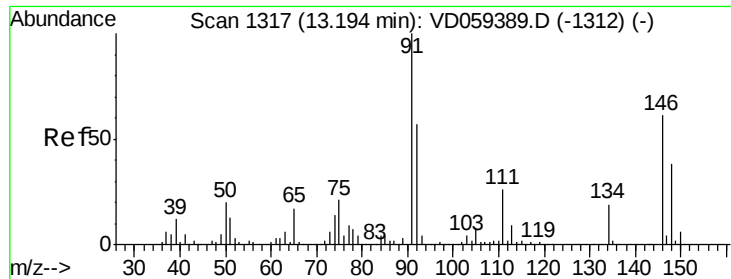
Tot Ion: 91 Resp: 615043
Ion Ratio Lower Upper
91 100
92 58.5 28.8 86.5
134 21.6 11.9 35.7



#90
Hexachloroethane
Concen: 22.33 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 117 Resp: 141849
Ion Ratio Lower Upper
117 100
201 90.9 40.1 120.3

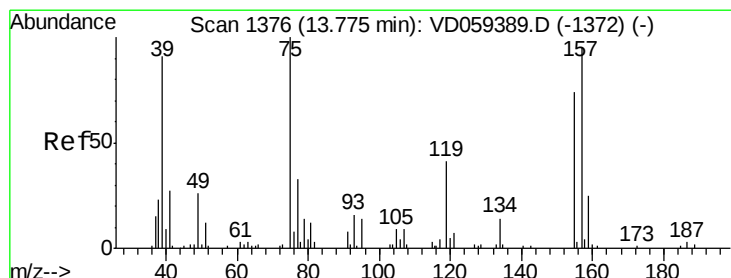
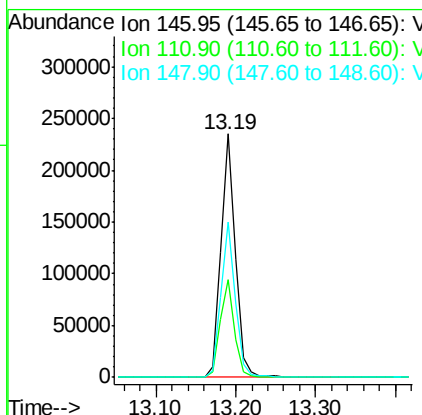
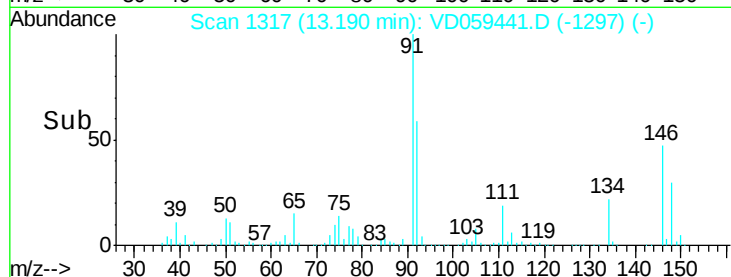
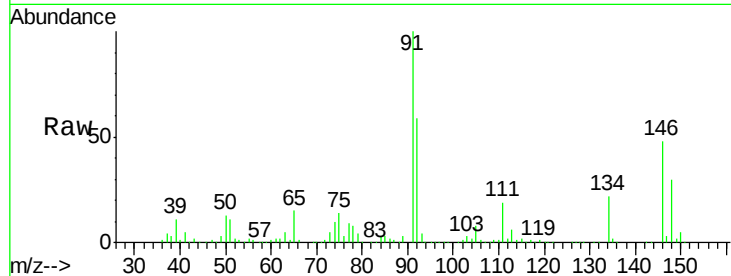




#91
 1,2-Dichlorobenzene
 Concen: 22.74 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

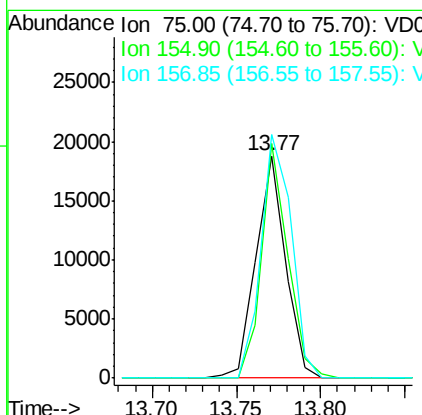
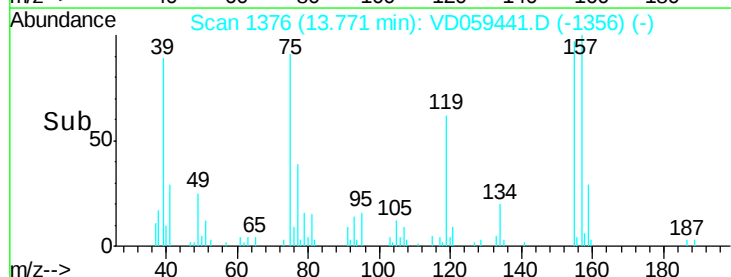
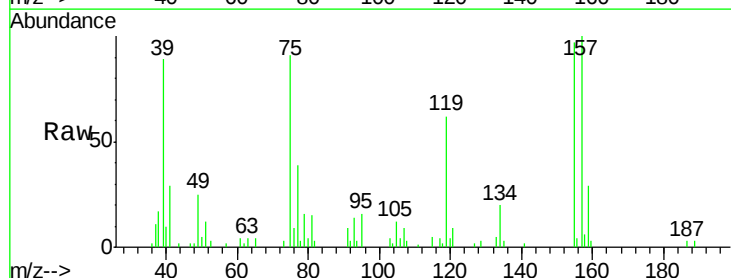
Instrument :
 MSVOA_D
 ClientSampleId :

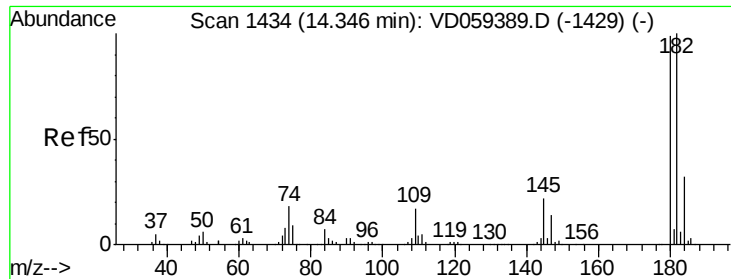
Tot Ion:146 Resp: 303579
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.4 64.2
 148 64.0 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.48 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 75 Resp: 22913
 Ion Ratio Lower Upper
 75 100
 155 105.8 37.2 111.6
 157 109.7 47.4 142.2

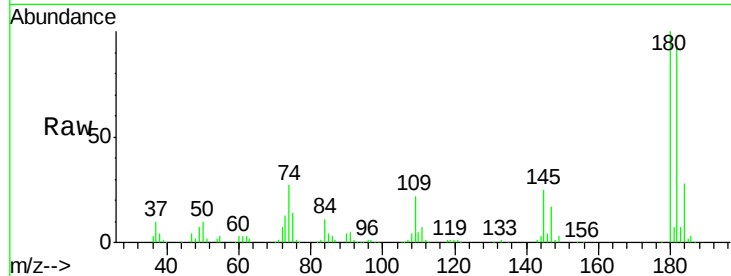




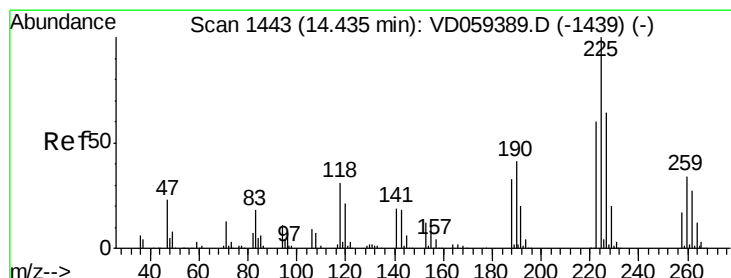
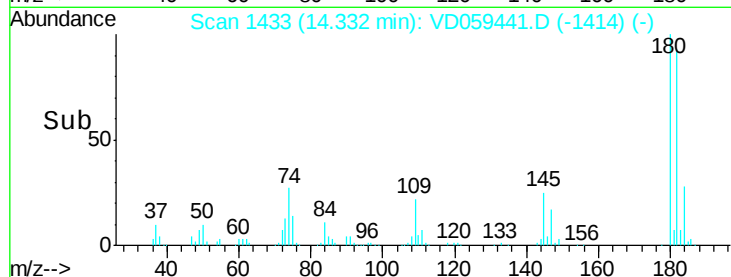
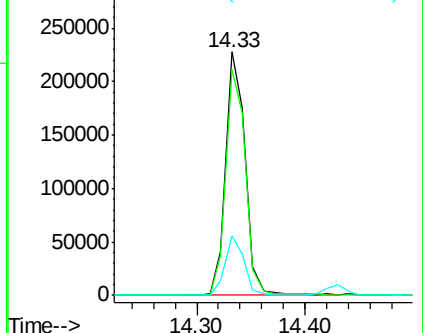
#93
 1,2,4-Trichlorobenzene
 Concen: 23.27 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 287189
 Ion Ratio Lower Upper
 180 100
 182 92.7 50.4 151.2
 145 24.6 11.0 33.0

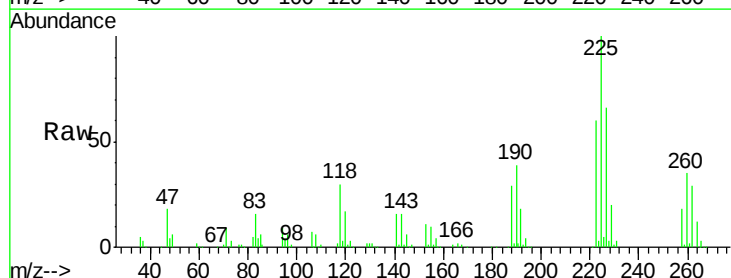


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

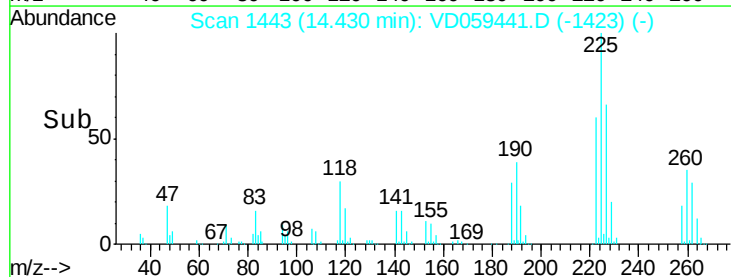
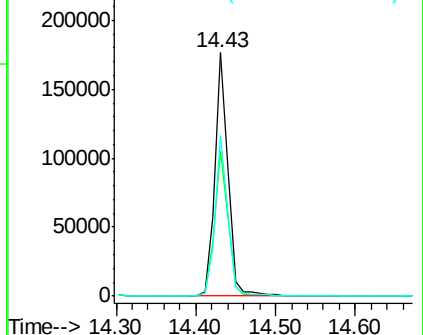


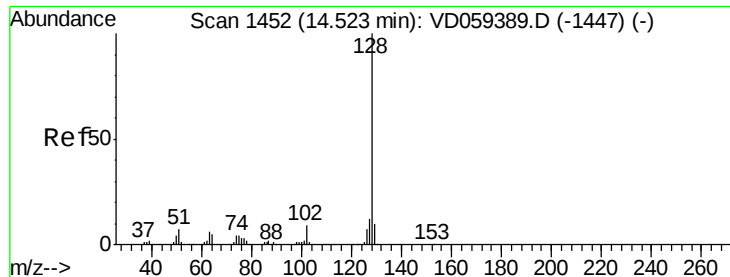
#94
 Hexachlorobutadiene
 Concen: 22.44 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion:225 Resp: 208370
 Ion Ratio Lower Upper
 225 100
 223 59.8 30.0 90.1
 227 66.0 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: 20.29 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

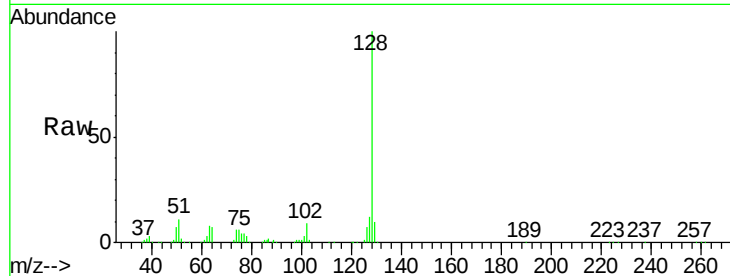
Tot Ion:128 Resp: 348987

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

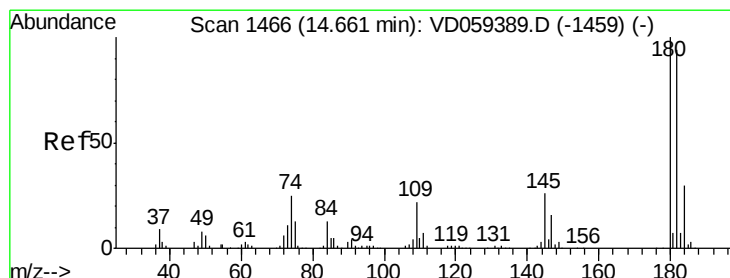
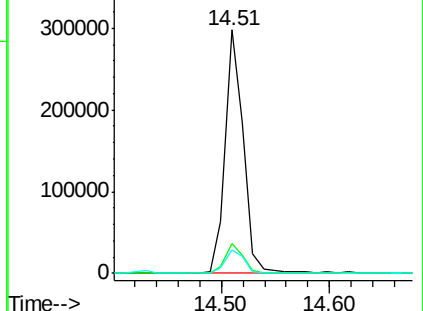
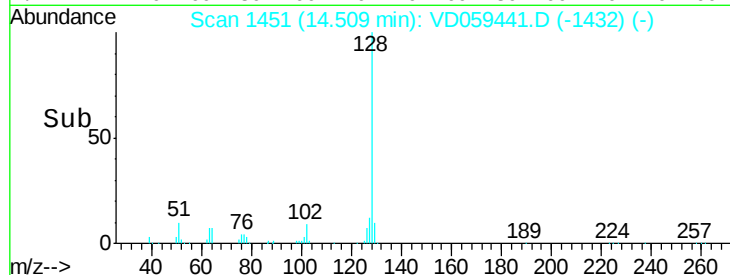
129 9.7 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.01 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

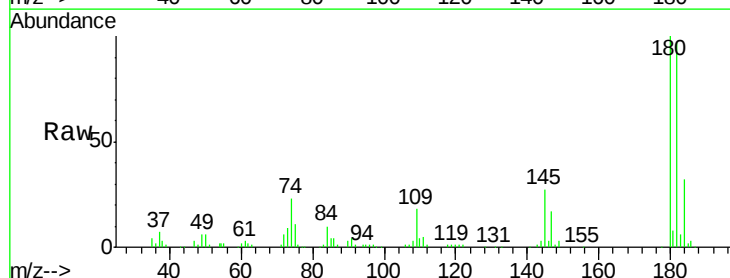
Tgt Ion:180 Resp: 233125

Ion Ratio Lower Upper

180 100

182 97.0 47.1 141.4

145 26.6 13.1 39.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

