

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059415.D
 Acq On : 26 Jun 2018 9:31
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 13:24:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	953956	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1265752	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	974445	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	503248	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	463282	47.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	5.54	113	483468	46.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	8.70	98	1048663	43.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.02%	
62) 4-Bromofluorobenzene	11.92	95	470950	46.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	414450	48.83	ug/l	99
3) Chloromethane	1.50	50	203607	46.10	ug/l	95
4) Vinyl Chloride	1.56	62	235952	51.50	ug/l	96
5) Bromomethane	1.81	94	91650	58.87	ug/l	96
6) Chloroethane	1.89	64	101968	52.80	ug/l	93
7) Trichlorofluoromethane	2.09	101	363086	54.96	ug/l	96
8) Diethyl Ether	2.35	74	79009	52.85	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.56	101	212227	51.69	ug/l	95
10) Methyl Iodide	2.69	142	252322	52.61	ug/l	96
11) Tert butyl alcohol	3.26	59	95553	283.13	ug/l	99
12) 1,1-Dichloroethene	2.55	96	162466	51.69	ug/l	90
13) Acrolein	2.48	56	63668	211.02	ug/l	97
14) Allyl chloride	2.92	41	378453	52.60	ug/l	95
15) Acrylonitrile	3.36	53	319607	308.56	ug/l	97
16) Acetone	2.61	43	291970	237.14	ug/l	98
17) Carbon Disulfide	2.75	76	487361	50.62	ug/l	100
18) Methyl Acetate	2.94	43	148032	56.14	ug/l #	90
19) Methyl tert-butyl Ether	3.40	73	832390	53.80	ug/l	98
20) Methylene Chloride	3.07	84	193997	57.17	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	348245	62.66	ug/l	96
22) Diisopropyl ether	4.07	45	1339709	49.49	ug/l	97
23) Vinyl Acetate	4.01	43	3528277	250.16	ug/l	99
24) 1,1-Dichloroethane	3.96	63	769915	49.70	ug/l	99
25) 2-Butanone	4.83	43	627175	243.17	ug/l	96
26) 2,2-Dichloropropane	4.79	77	578820	48.18	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	457192	48.95	ug/l	93
28) Bromochloromethane	5.13	49	362427	53.97	ug/l	99
29) Tetrahydrofuran	5.17	42	307465	217.94	ug/l	95
30) Chloroform	5.31	83	859359	50.90	ug/l	95
31) Cyclohexane	5.59	56	540462	53.12	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	738212	54.00	ug/l	97
36) 1,1-Dichloropropene	5.74	75	550303	47.93	ug/l	99
37) Ethyl Acetate	4.92	43	293330	41.95	ug/l	98
38) Carbon Tetrachloride	5.72	117	630731	53.28	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	525927	48.29	ug/l	96
40) Benzene	6.01	78	1286776	46.70	ug/l	99
41) Methacrylonitrile	5.12	41	147386	43.76	ug/l	95
42) 1,2-Dichloroethane	6.12	62	609161	50.03	ug/l	97
43) Isopropyl Acetate	7.61	43	422346	48.10	ug/l #	97
44) Trichloroethene	6.97	130	423327	46.92	ug/l	98
45) 1,2-Dichloropropane	7.34	63	364404	47.75	ug/l	95
46) Dibromomethane	7.45	93	273837	49.89	ug/l	93
47) Bromodichloromethane	7.73	83	641961	52.27	ug/l #	97
48) Methyl methacrylate	7.50	41	259143	48.44	ug/l	98
49) 1,4-Dioxane	7.48	88	52829	984.60	ug/l #	85
51) 4-Methyl-2-Pentanone	8.59	43	1362451	232.83	ug/l	97
52) Toluene	8.79	92	750359	45.60	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	519232	50.60	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	573078	48.23	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	292760	49.00	ug/l	98
56) Ethyl methacrylate	9.30	69	326822	47.94	ug/l	95
57) 1,3-Dichloropropane	9.65	76	469300	48.03	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	816953	232.77	ug/l	100
59) 2-Hexanone	9.77	43	987949	237.55	ug/l	99
60) Dibromochloromethane	9.95	129	440839	52.69	ug/l	95
61) 1,2-Dibromoethane	10.09	107	333946	50.19	ug/l	99
64) Tetrachloroethene	9.51	164	455426	53.28	ug/l	97
65) Chlorobenzene	10.72	112	922244	51.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.83	131	376639	55.07	ug/l	95
67) Ethyl Benzene	10.84	91	1505129	50.06	ug/l	98
68) m/p-Xylenes	11.00	106	1024031	102.66	ug/l	98
69) o-Xylene	11.40	106	526499	53.39	ug/l	99
70) Styrene	11.43	104	892975	52.82	ug/l	98
71) Bromoform	11.59	173	324576	57.28	ug/l	94
73) Isopropylbenzene	11.76	105	1460363	51.42	ug/l	99
74) N-amyl acetate	11.64	43	552749	51.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	337668	50.68	ug/l	94
76) 1,2,3-Trichloropropane	12.10	75	348305	50.18	ug/l	96
77) Bromobenzene	12.04	156	470607	52.65	ug/l	86
78) n-propylbenzene	12.14	91	1800490	50.06	ug/l	99
79) 2-Chlorotoluene	12.20	91	1114984	52.79	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	1136267	50.26	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	81592	51.71	ug/l	90
82) 4-Chlorotoluene	12.32	91	1181129	49.31	ug/l	94
83) tert-Butylbenzene	12.57	119	1320379	54.90	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	1225198	51.21	ug/l	95
85) sec-Butylbenzene	12.74	105	1523982	51.64	ug/l	98
86) p-Isopropyltoluene	12.87	119	1274059	53.56	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	748242	50.88	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	740303	51.02	ug/l	95
89) n-Butylbenzene	13.19	91	1213080	51.67	ug/l	98
90) Hexachloroethane	13.39	117	357268	60.20	ug/l	76
91) 1,2-Dichlorobenzene	13.19	146	636528	51.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	61285	55.78	ug/l	65

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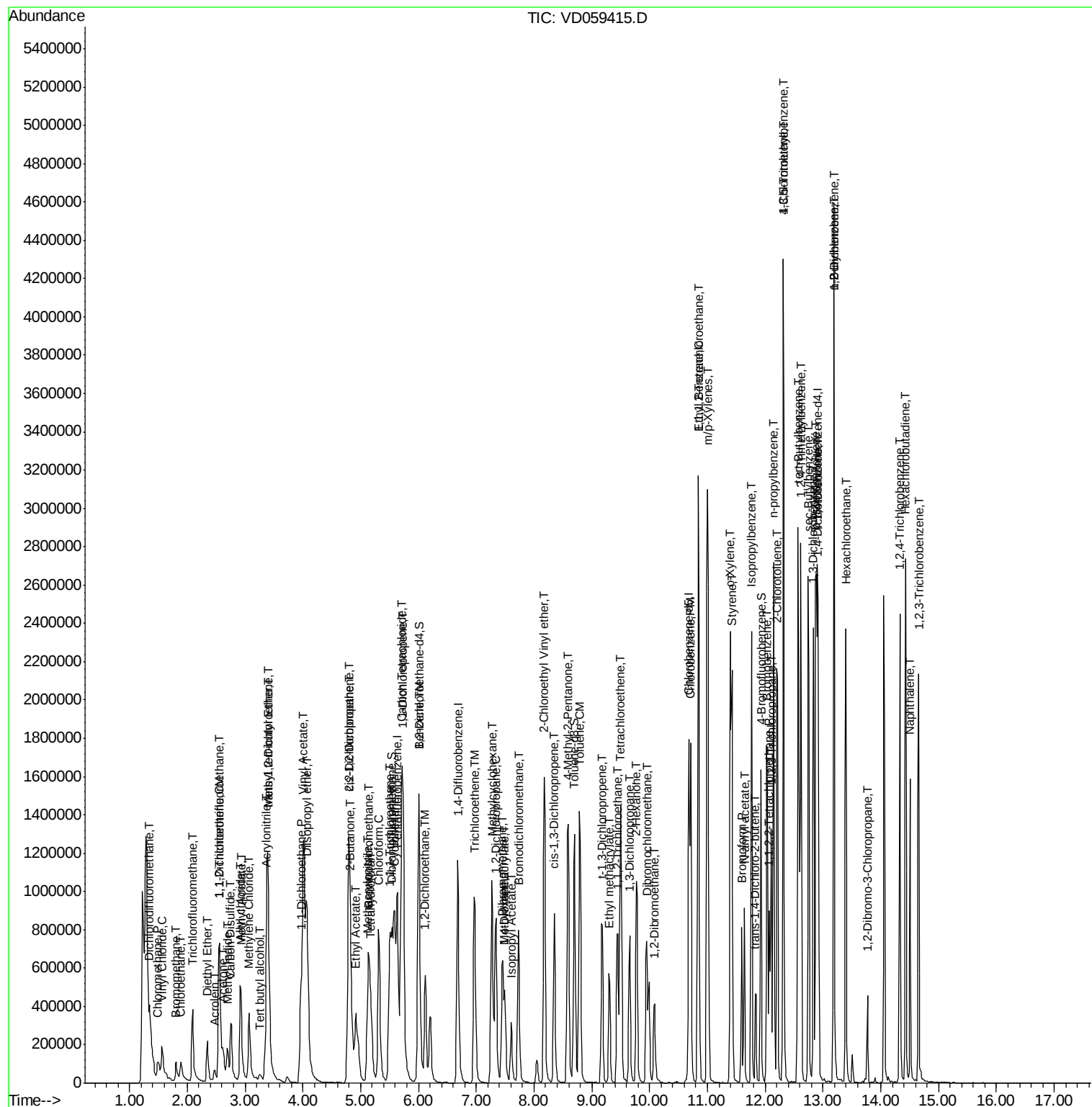
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	619807	53.77	ug/l	95
94) Hexachlorobutadiene	14.43	225	471664	54.38	ug/l	99
95) Naphthalene	14.51	128	855563	53.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	559019	53.94	ug/l	98

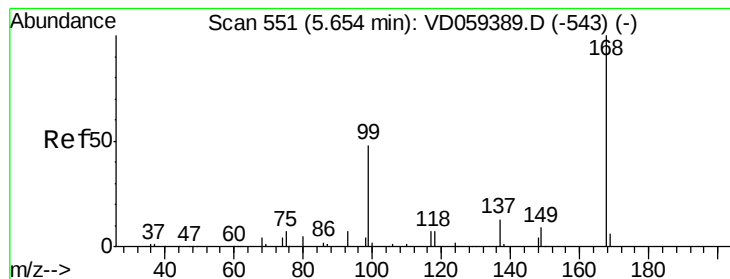
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

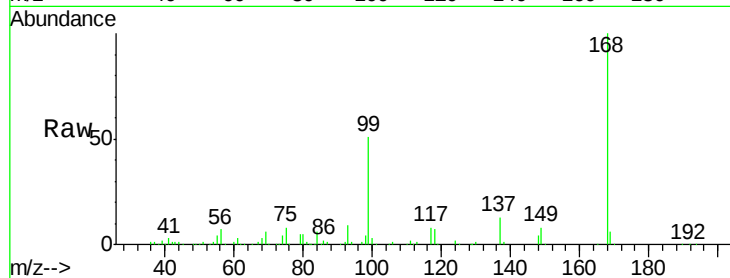
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 953956

Ion Ratio Lower Upper

168 100

99 51.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

300000

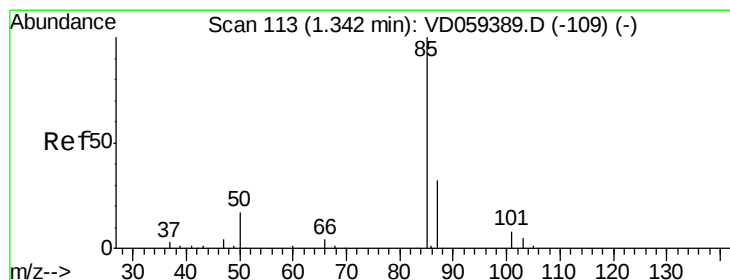
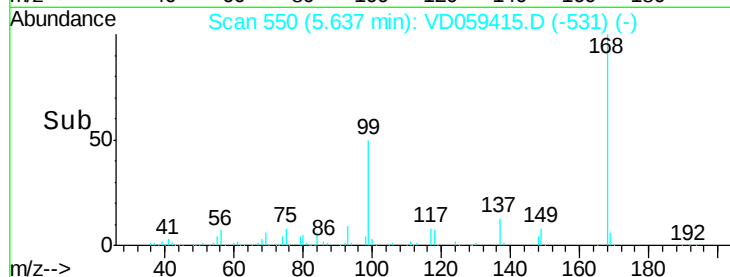
200000

100000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 48.83 ug/l

RT: 1.35 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD059415.D

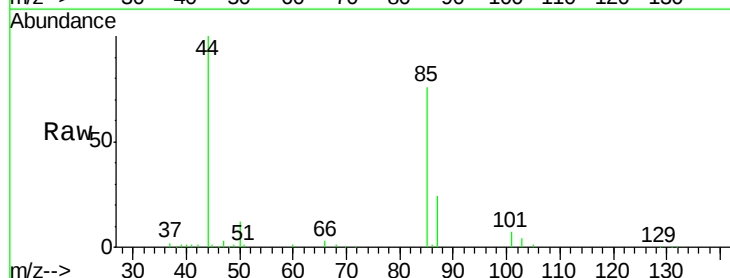
Acq: 26 Jun 2018 9:31

Tgt Ion: 85 Resp: 414450

Ion Ratio Lower Upper

85 100

87 31.9 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

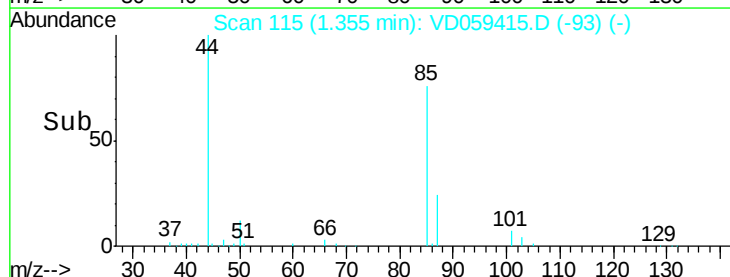
100000

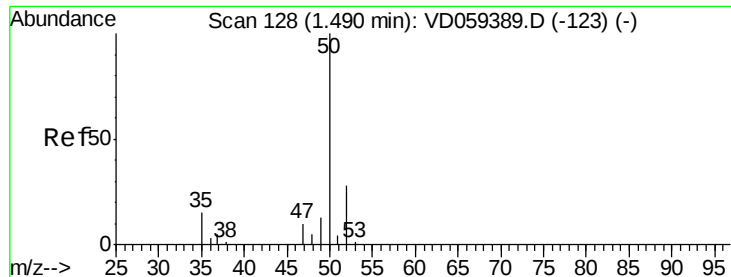
50000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 46.10 ug/l

RT: 1.50 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

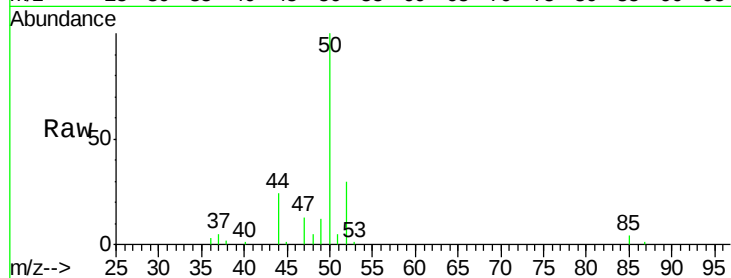
ClientSampleId :

Tot Ion: 50 Resp: 203607

Ion Ratio Lower Upper

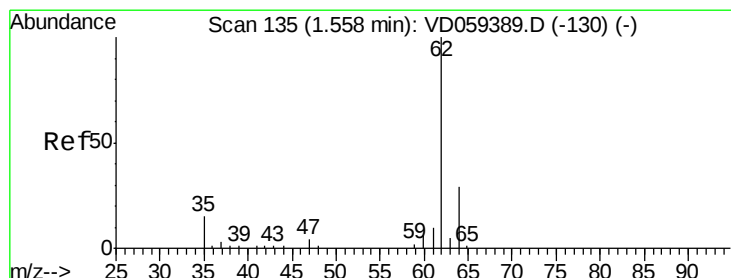
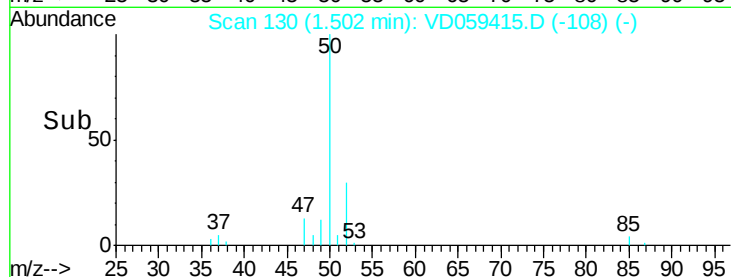
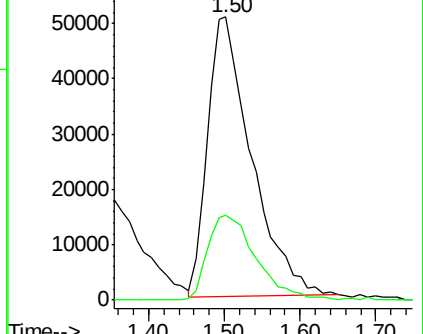
50 100

52 30.1 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: 51.50 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059415.D

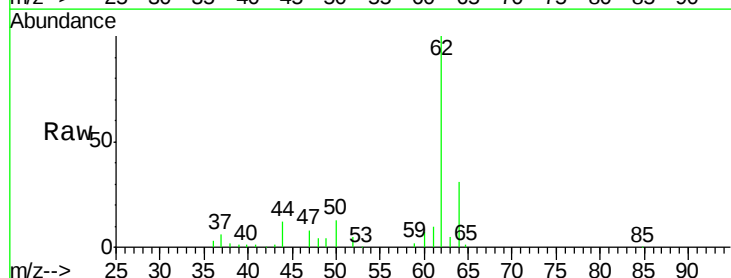
Acq: 26 Jun 2018 9:31

Tgt Ion: 62 Resp: 235952

Ion Ratio Lower Upper

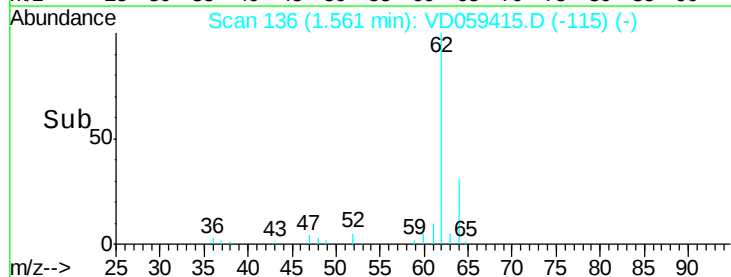
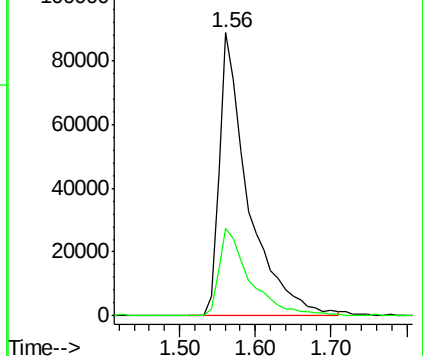
62 100

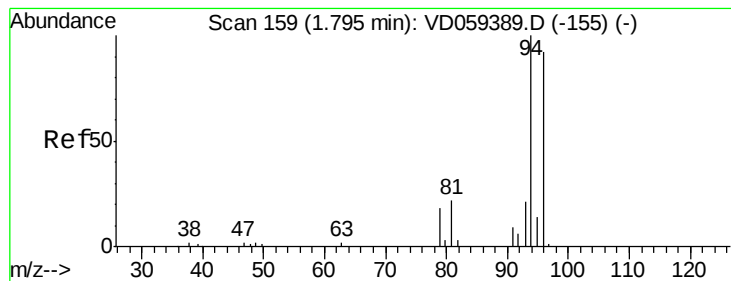
64 30.9 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.87 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

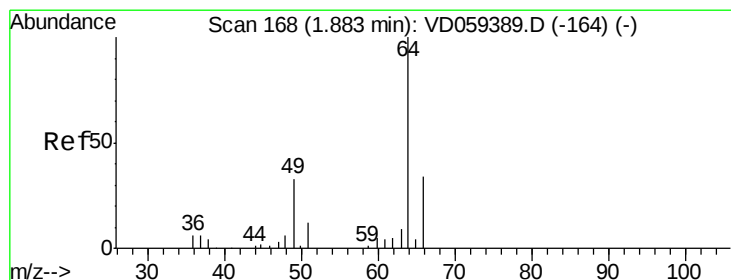
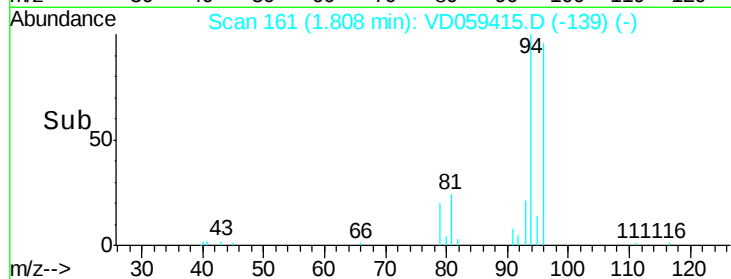
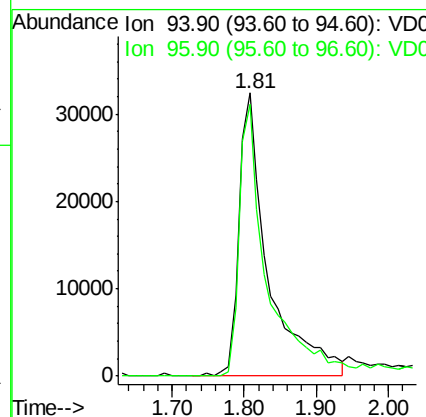
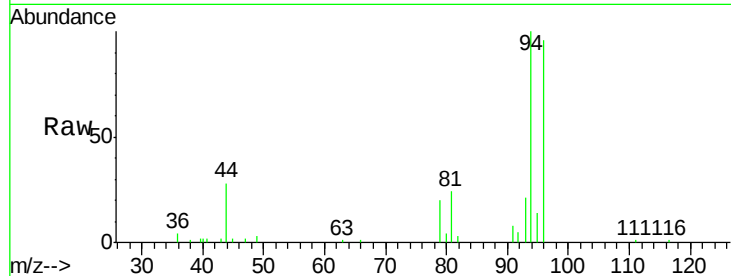
ClientSampleId :

Tot Ion: 94 Resp: 91650

Ion Ratio Lower Upper

94 100

96 95.9 73.4 110.0



#6

Chloroethane

Concen: 52.80 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD059415.D

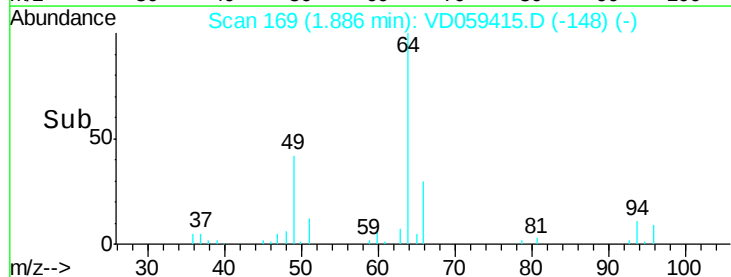
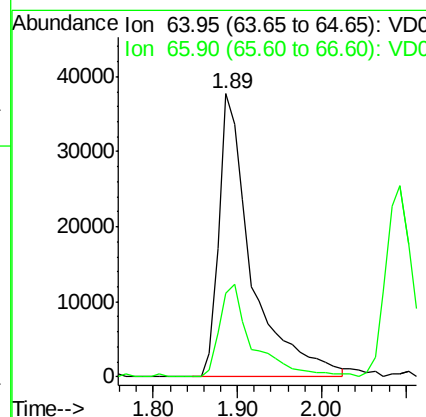
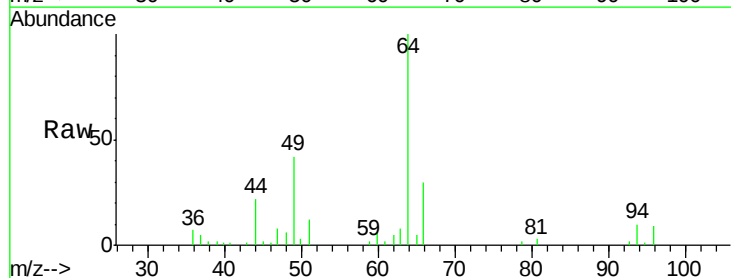
Acq: 26 Jun 2018 9:31

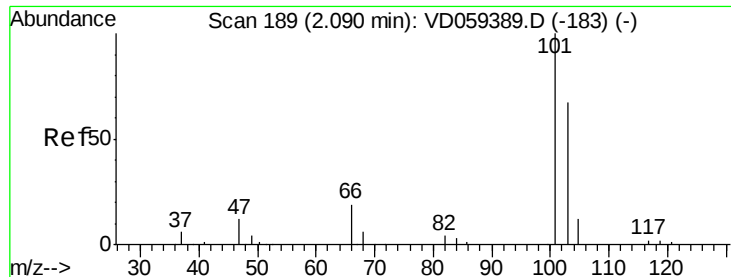
Tgt Ion: 64 Resp: 101968

Ion Ratio Lower Upper

64 100

66 29.6 27.1 40.7



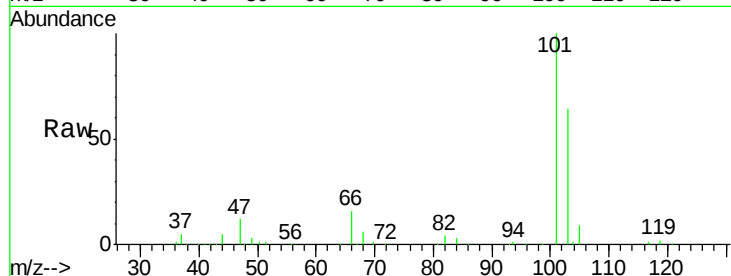


#7

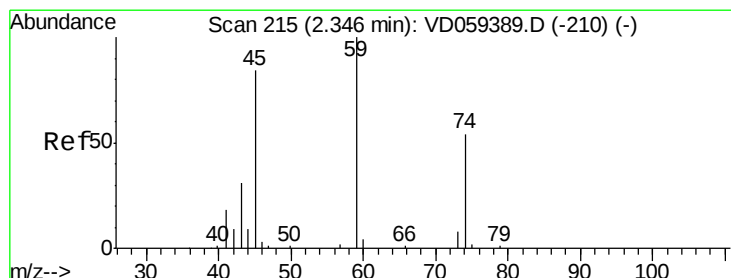
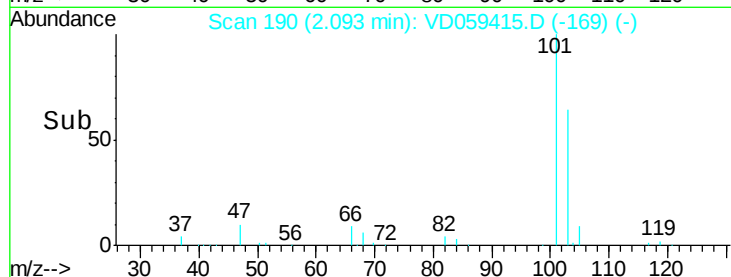
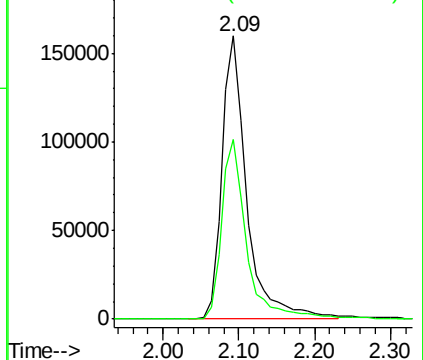
Trichlorofluoromethane
 Concen: 54.96 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 363086
 Ion Ratio Lower Upper
 101 100
 103 63.5 53.4 80.0



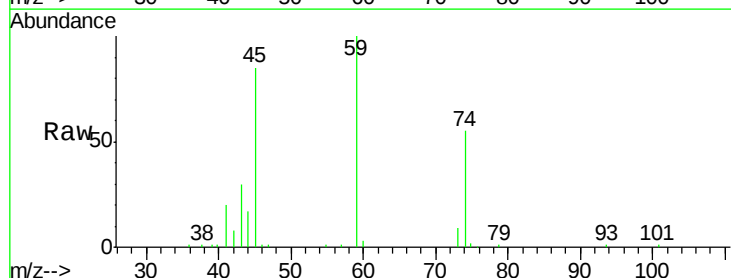
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



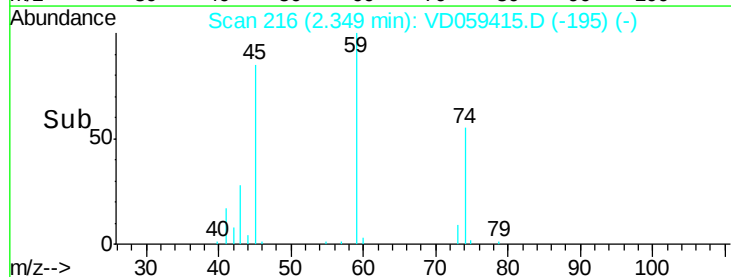
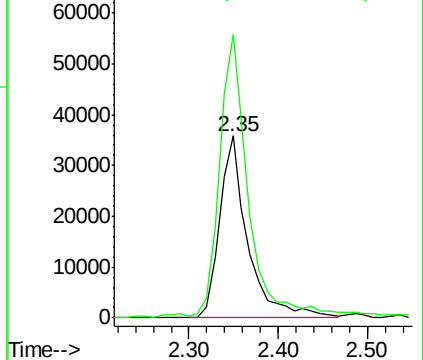
#8

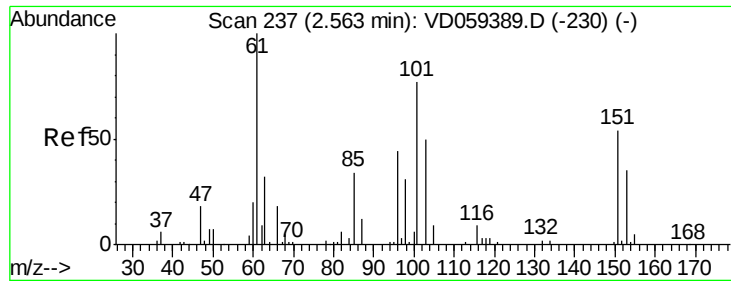
Diethyl Ether
 Concen: 52.85 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Tgt Ion: 74 Resp: 79009
 Ion Ratio Lower Upper
 74 100
 45 155.8 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: 51.69 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059415.D

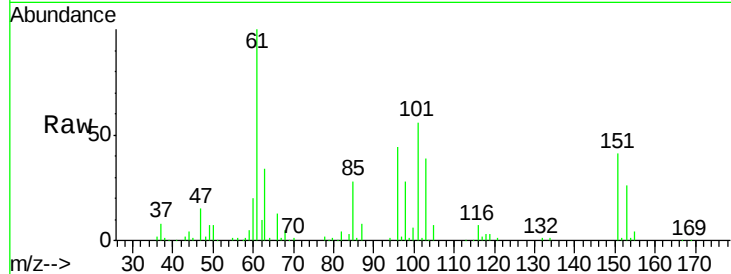
Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampled :

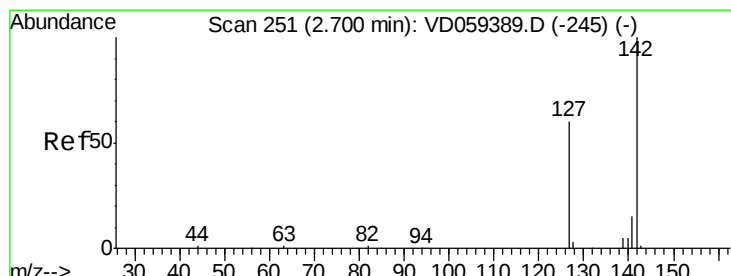
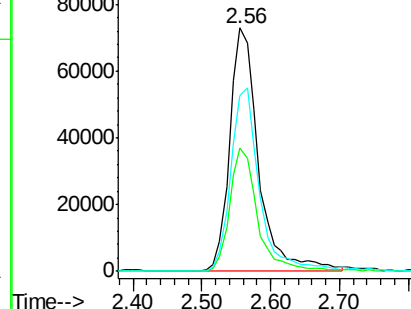
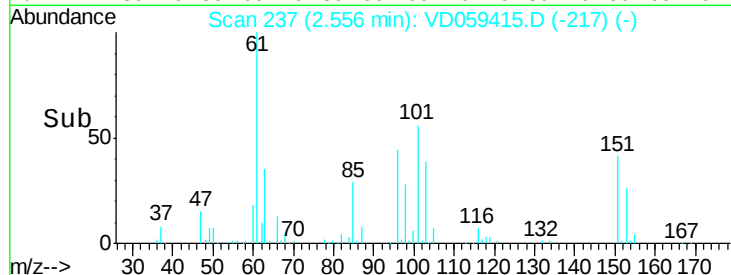
Tot Ion:	101	Resp:	212227
Ion	Ratio	Lower	Upper
101	100		
85	50.6	35.7	53.5
151	72.3	55.8	83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.61 ug/l

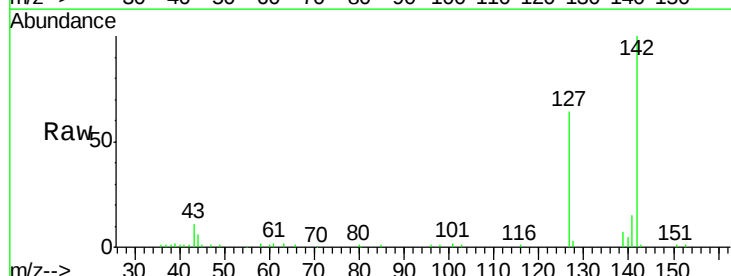
RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

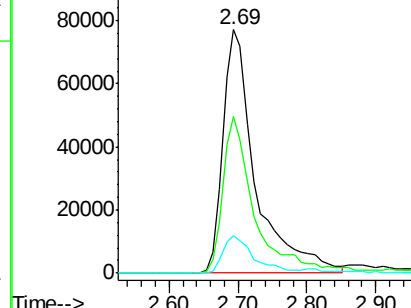
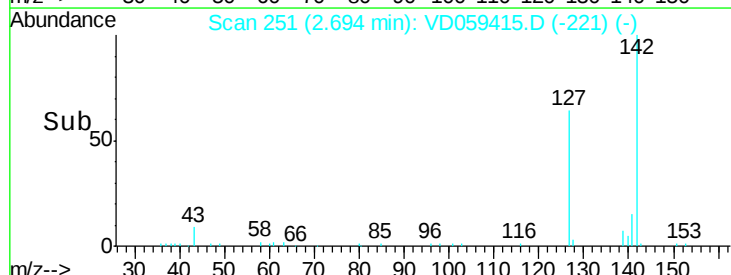
Tgt Ion:	142	Resp:	252322
Ion	Ratio	Lower	Upper
142	100		
127	64.5	48.4	72.6
141	15.2	12.1	18.1

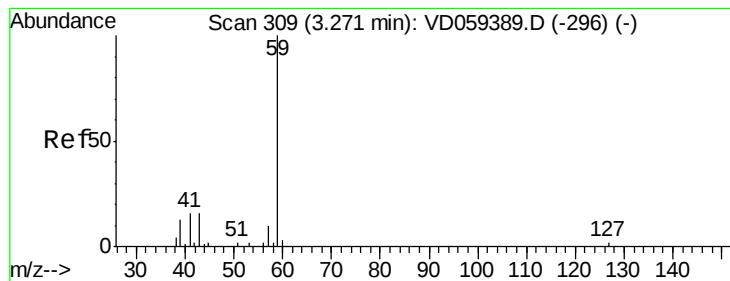


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



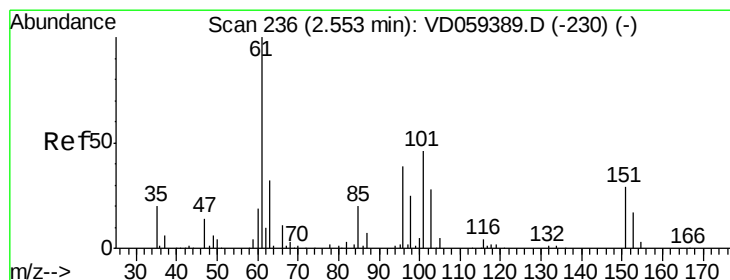
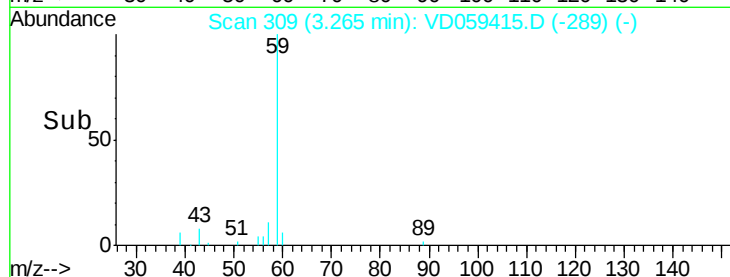
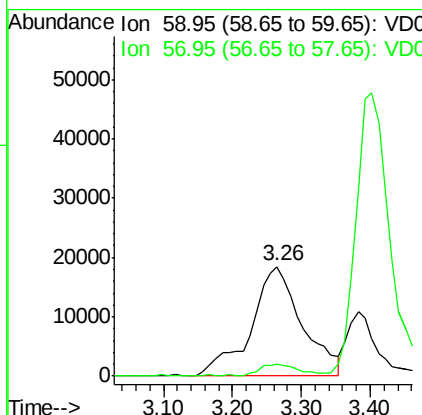
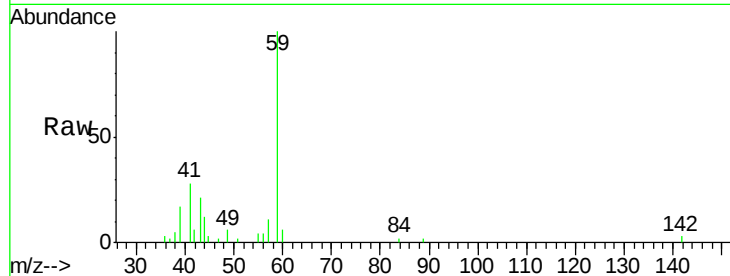


#11

Tert butyl alcohol
Concen: 283.13 ug/l
RT: 3.26 min Scan# 309
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampleId :

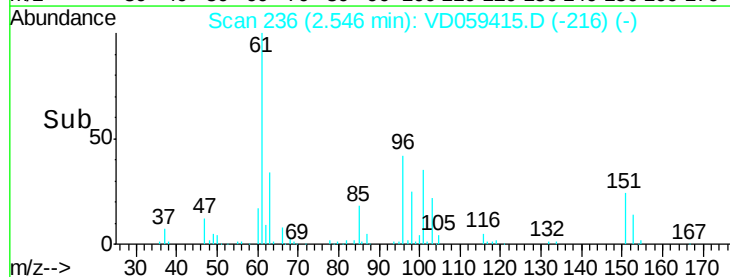
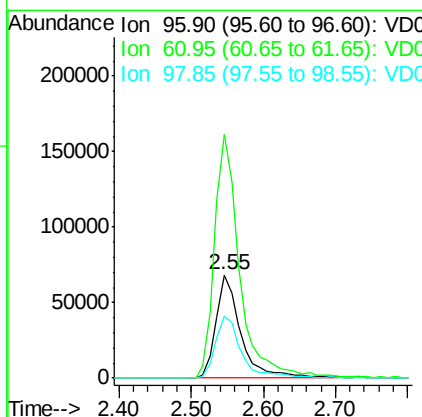
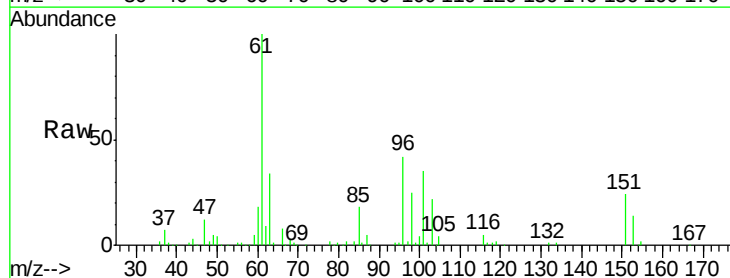
Tot Ion: 59 Resp: 95553
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

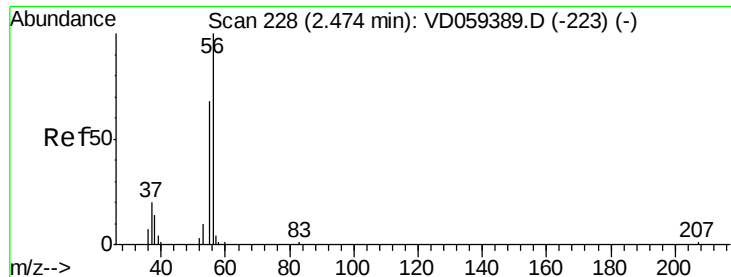


#12

1,1-Dichloroethene
Concen: 51.69 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 96 Resp: 162466
Ion Ratio Lower Upper
96 100
61 236.8 205.4 308.0
98 59.6 51.0 76.4





#13

Acrolein

Concen: 211.02 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

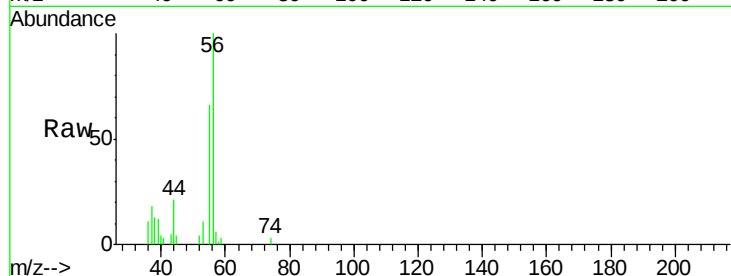
ClientSampled :

Tot Ion: 56 Resp: 63668

Ion Ratio Lower Upper

56 100

55 66.1 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

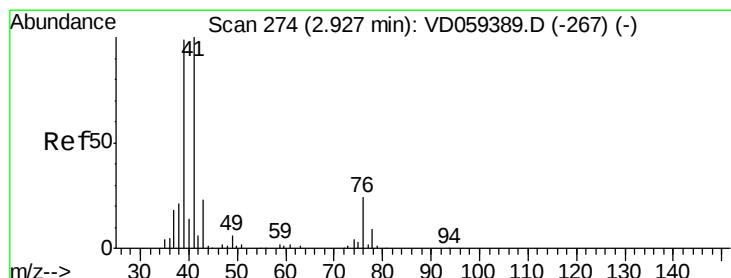
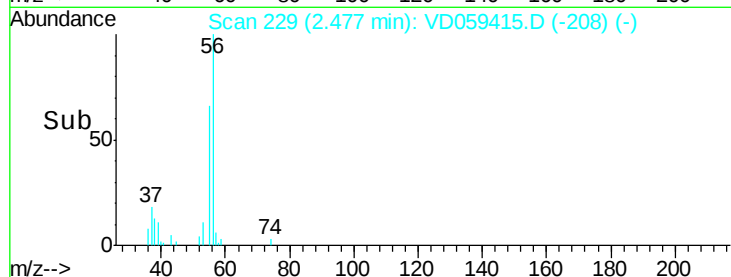
5000

0

2.48

2.40 2.50 2.60

Time-->



#14

Allyl chloride

Concen: 52.60 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

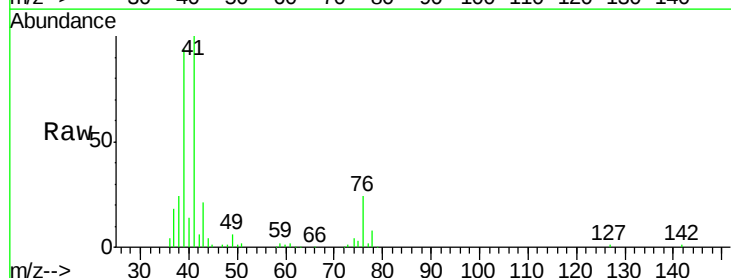
Tgt Ion: 41 Resp: 378453

Ion Ratio Lower Upper

41 100

39 94.5 79.1 118.7

76 23.8 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

250000

200000

150000

100000

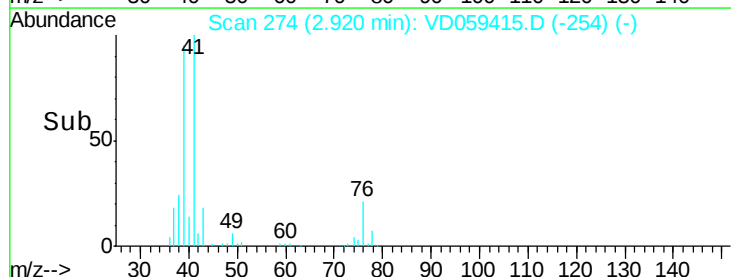
50000

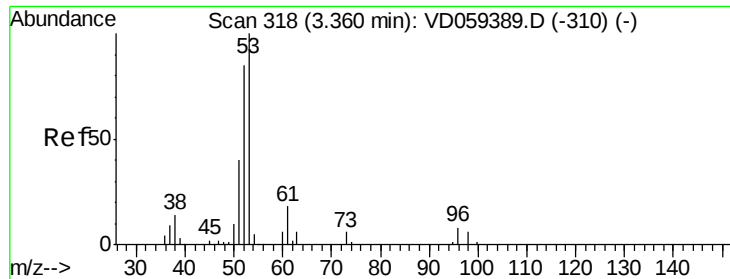
0

2.92

2.80 2.90 3.00 3.10

Time-->





#15

Acrylonitrile

Concen: 308.56 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

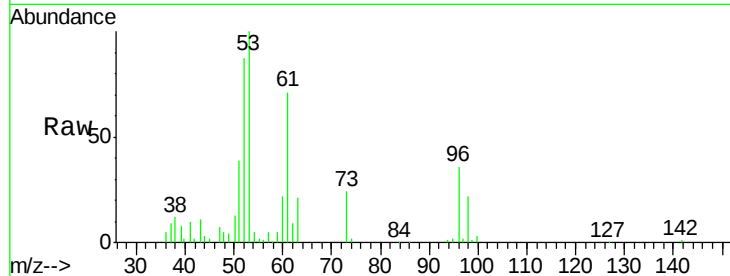
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 53 Resp: 319607

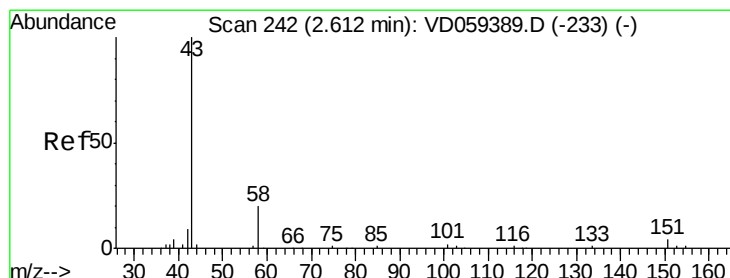
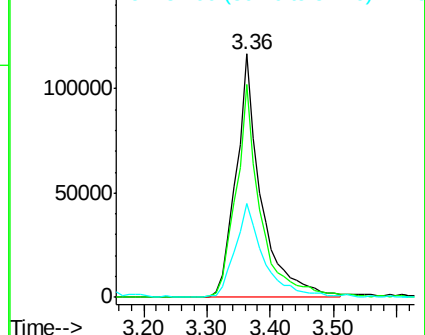
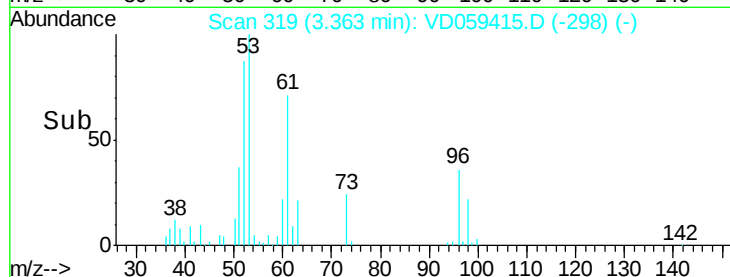
Ion	Ratio	Lower	Upper
53	100		
52	87.2	67.9	101.9
51	38.8	32.2	48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 237.14 ug/l

RT: 2.61 min Scan# 243

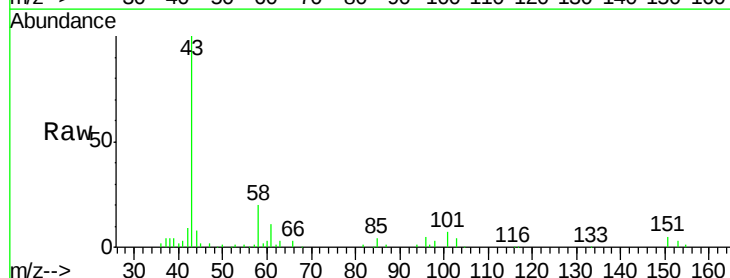
Delta R.T. 0.00 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

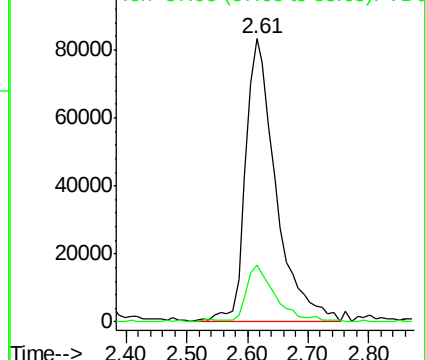
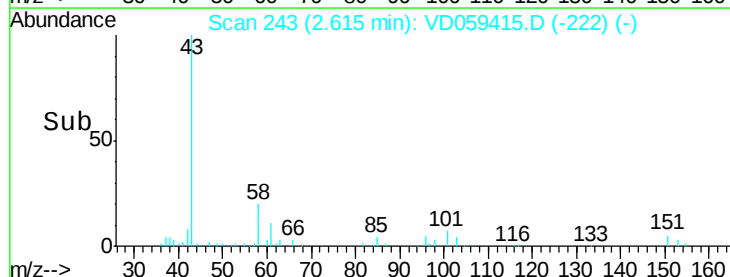
Tgt Ion: 43 Resp: 291970

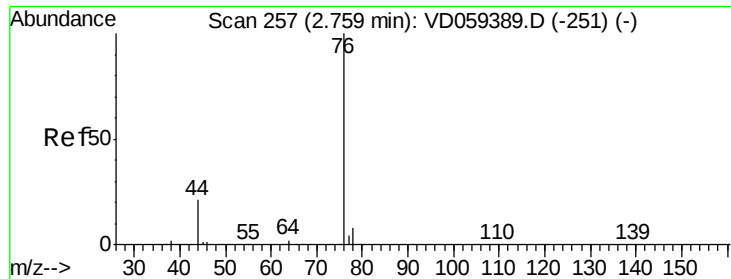
Ion	Ratio	Lower	Upper
43	100		
58	20.3	16.8	25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

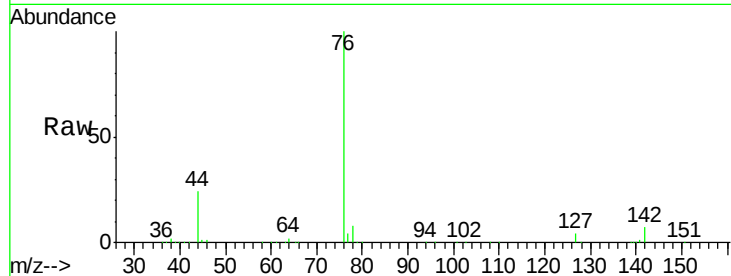




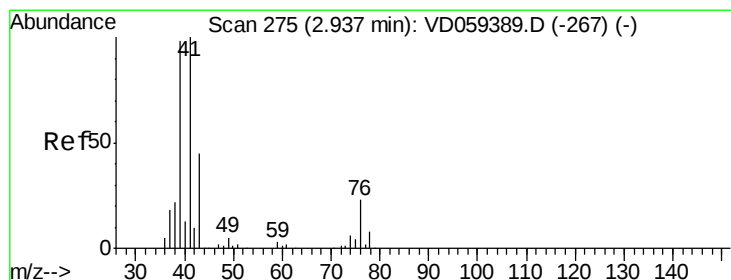
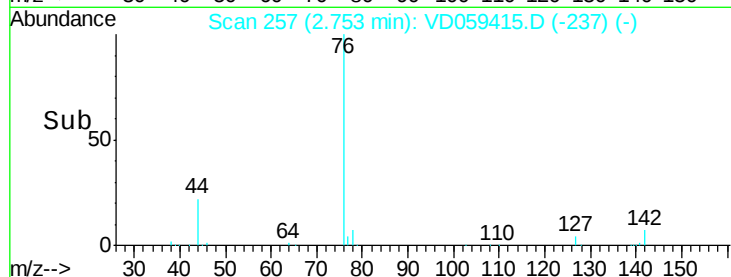
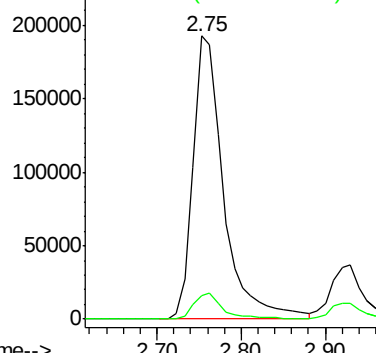
#17
Carbon Disulfide
Concen: 50.62 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 487361
Ion Ratio Lower Upper
76 100
78 8.3 6.6 9.8

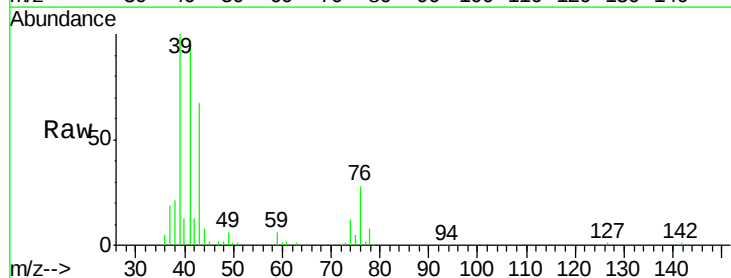


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

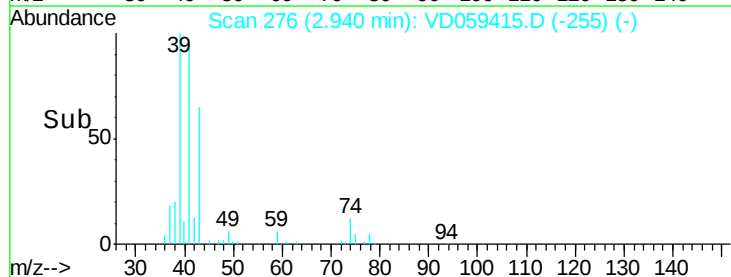
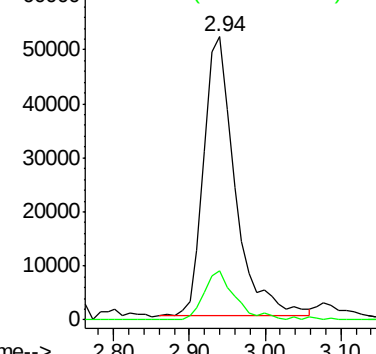


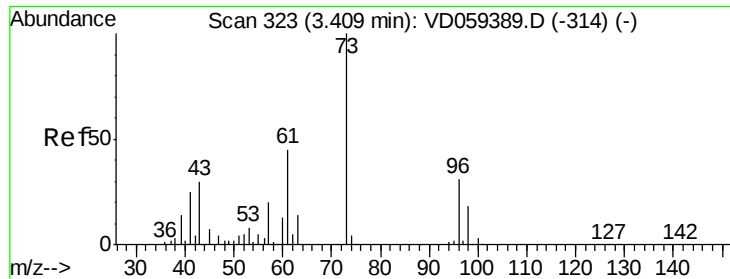
#18
Methyl Acetate
Concen: 56.14 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 43 Resp: 148032
Ion Ratio Lower Upper
43 100
74 17.6 11.0 16.4#



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

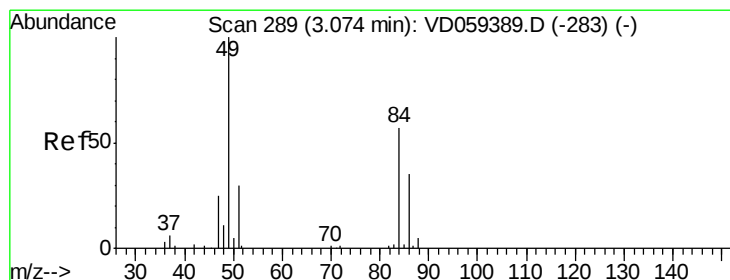
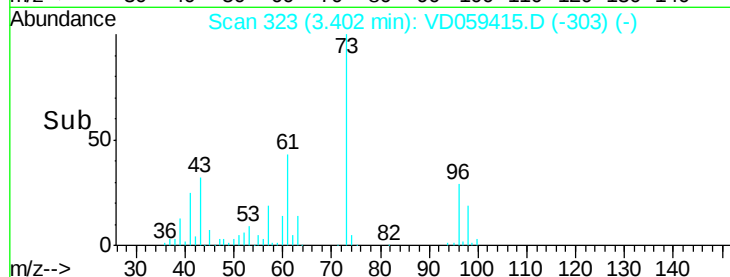
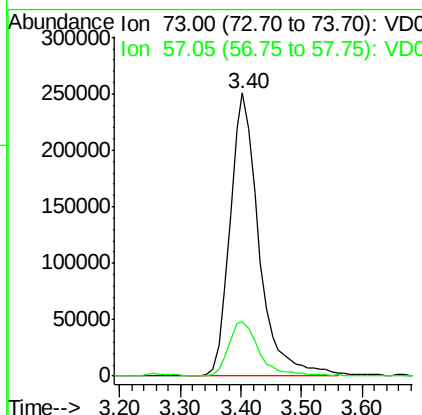
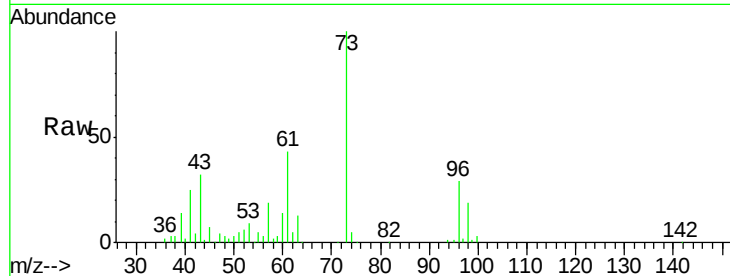




#19
Methvl tert-butvl Ether
Concen: 53.80 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

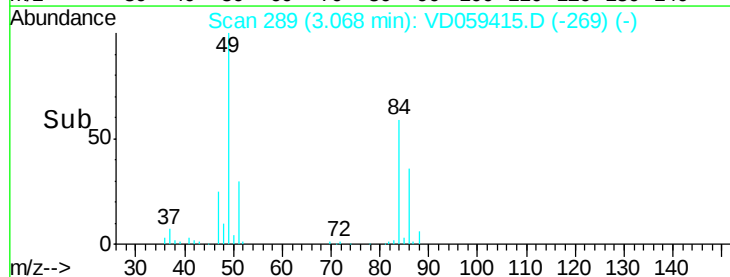
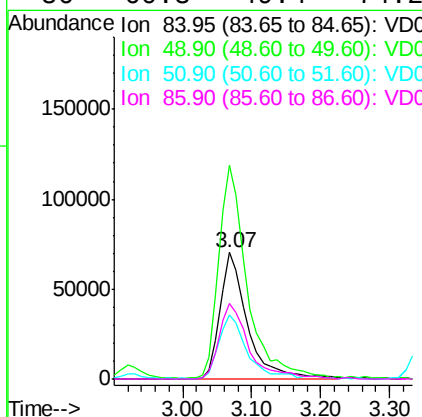
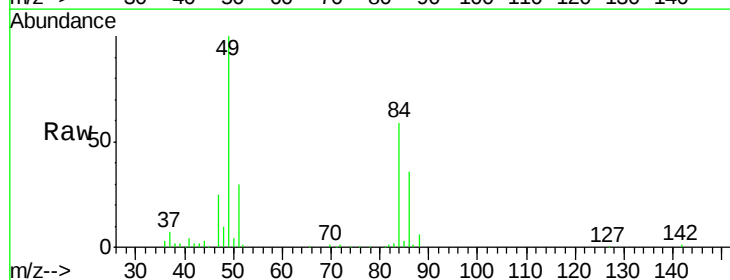
Instrument :
MSVOA_D
ClientSampleId :

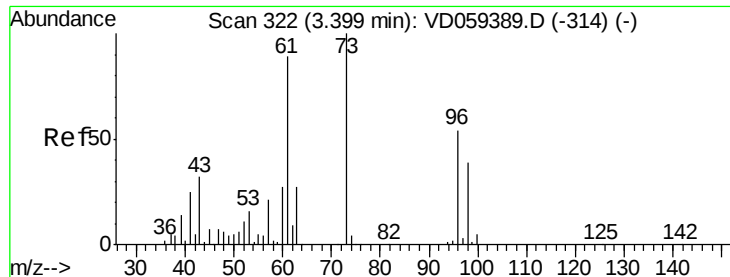
Tot Ion: 73 Resp: 832390
Ion Ratio Lower Upper
73 100
57 19.0 16.1 24.1



#20
Methylene Chloride
Concen: 57.17 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 84 Resp: 193997
Ion Ratio Lower Upper
84 100
49 169.0 140.3 210.5
51 50.7 41.6 62.4
86 60.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 62.66 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampleId :

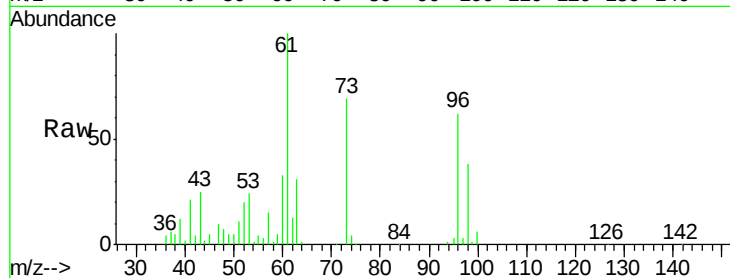
Tot Ion: 96 Resp: 348245

Ion Ratio Lower Upper

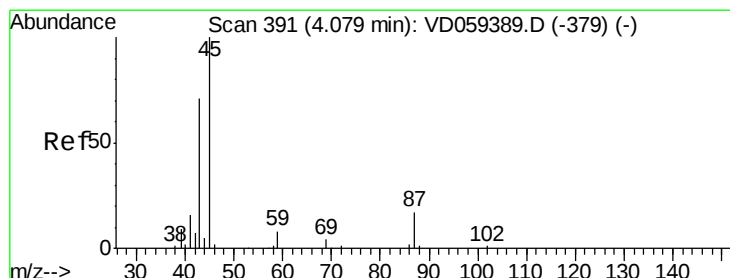
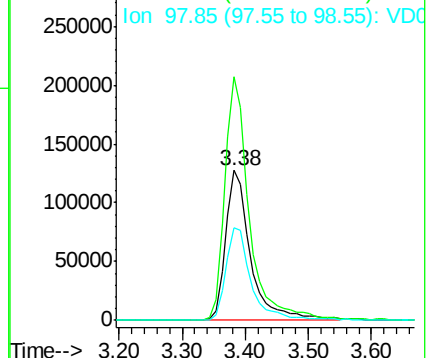
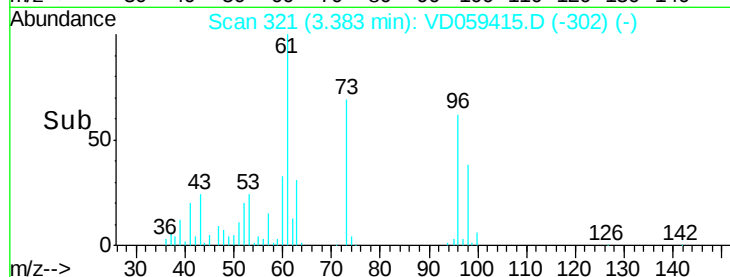
96 100

61 162.6 131.0 196.4

98 62.0 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: 49.49 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Tgt Ion: 45 Resp: 1339709

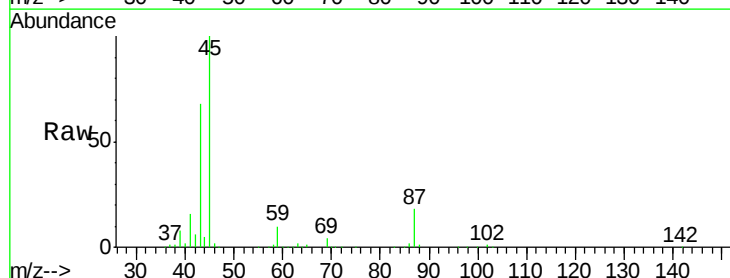
Ion Ratio Lower Upper

45 100

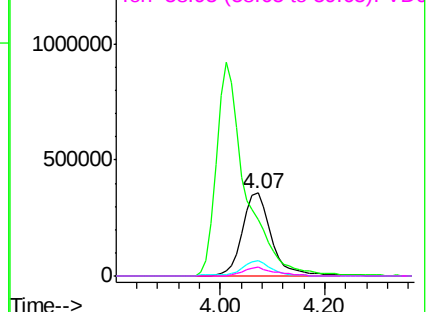
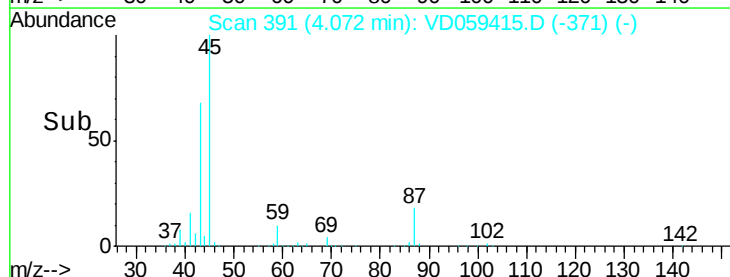
43 67.8 56.9 85.3

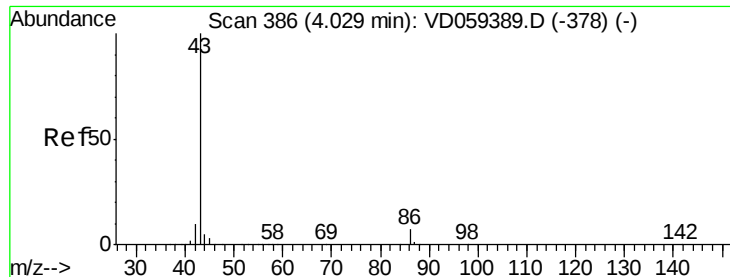
87 18.3 14.2 21.4

59 10.1 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: 250.16 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

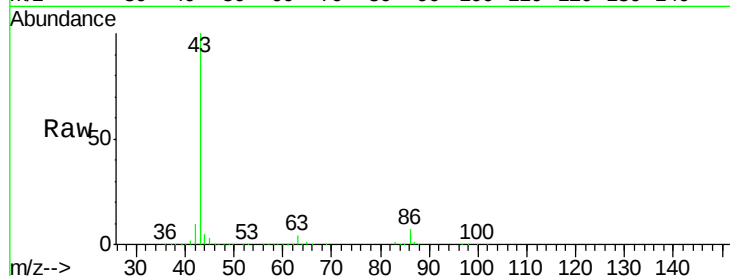
ClientSampleId :

Tot Ion: 43 Resp: 3528277

Ion Ratio Lower Upper

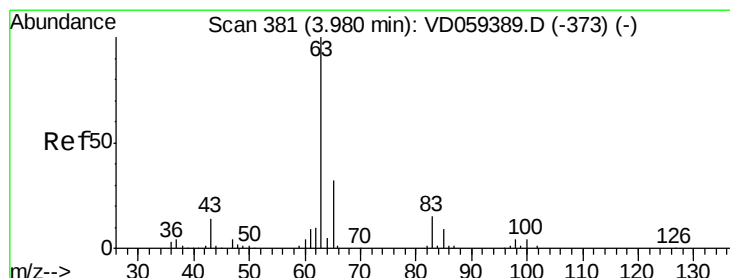
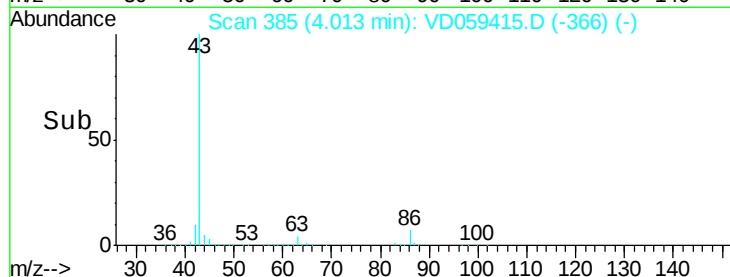
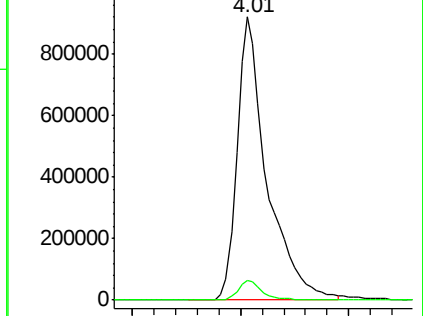
43 100

86 6.9 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.70 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

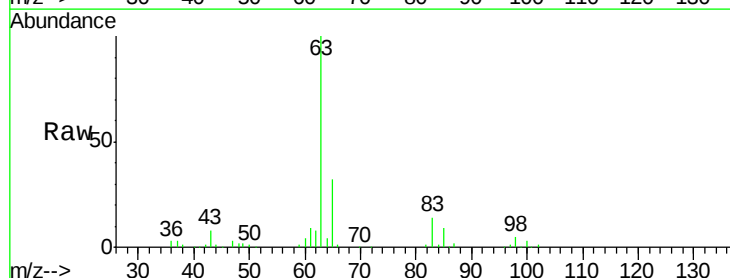
Tgt Ion: 63 Resp: 769915

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

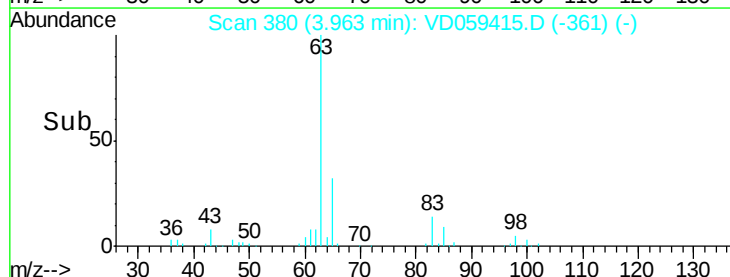
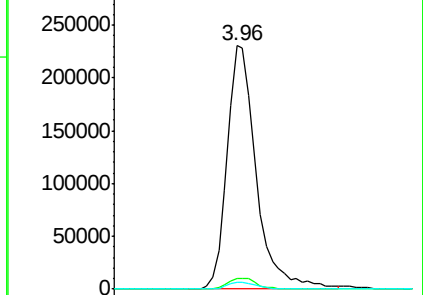
100 3.1 1.8 5.5

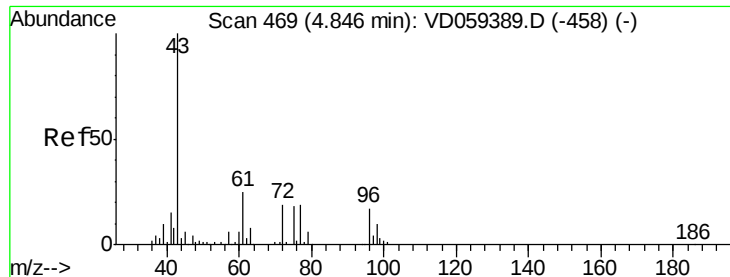


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 243.17 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

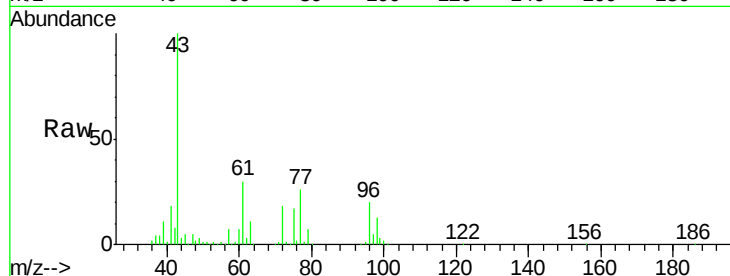
ClientSampled :

Tot Ion: 43 Resp: 627175

Ion Ratio Lower Upper

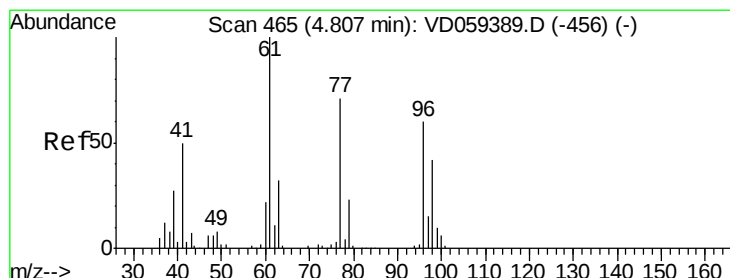
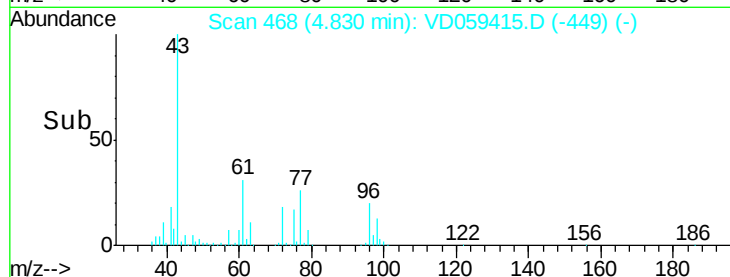
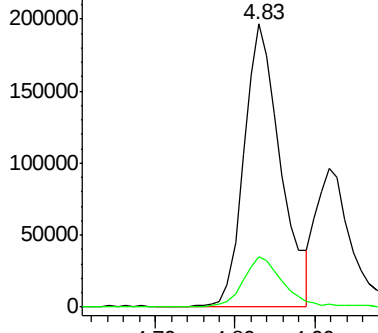
43 100

72 17.7 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: 48.18 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059415.D

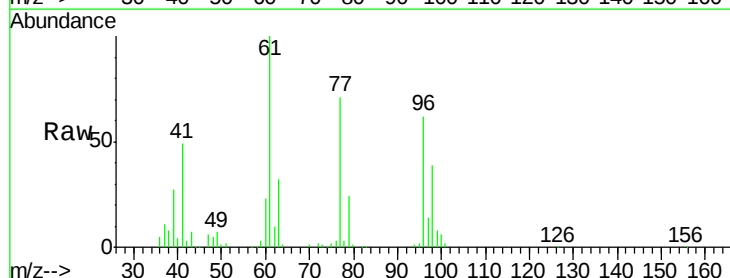
Acq: 26 Jun 2018 9:31

Tgt Ion: 77 Resp: 578820

Ion Ratio Lower Upper

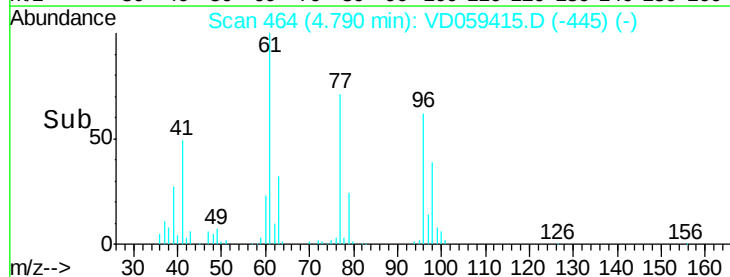
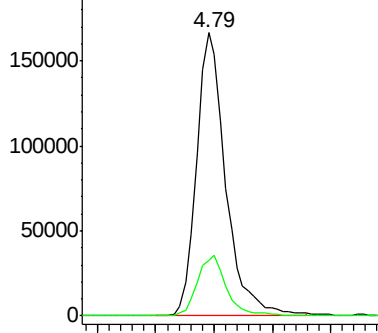
77 100

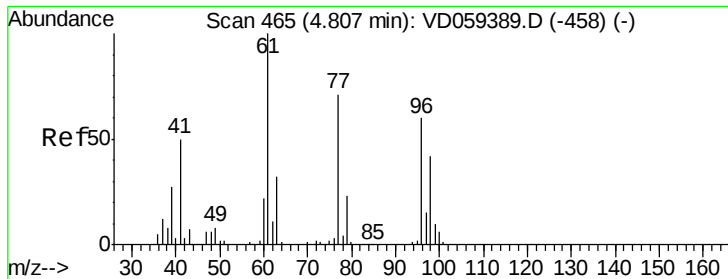
97 19.8 10.7 32.1



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: 48.95 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampleId :

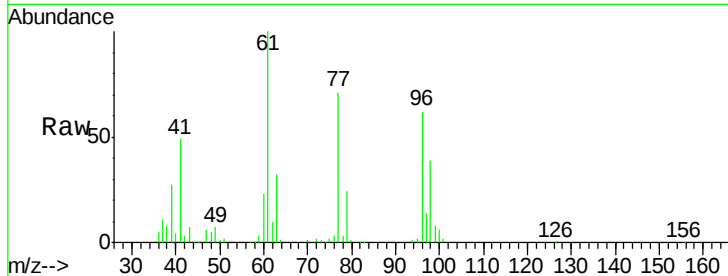
Tot Ion: 96 Resp: 457192

Ion Ratio Lower Upper

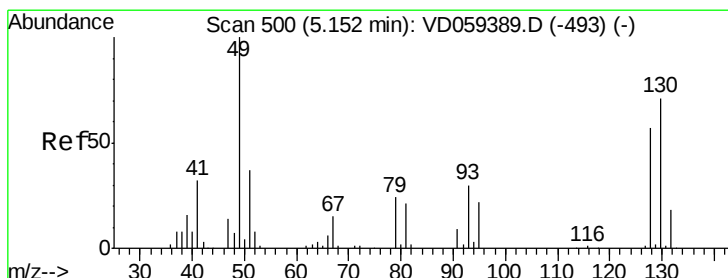
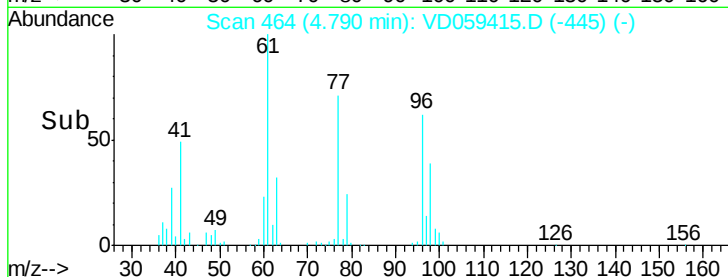
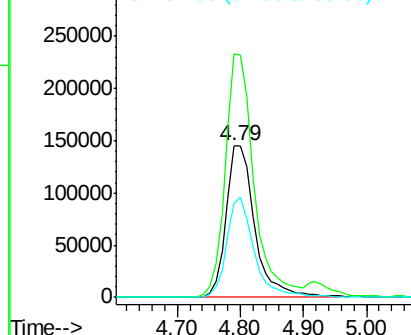
96 100

61 160.4 0.0 335.8

98 61.8 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: 53.97 ug/l

RT: 5.13 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

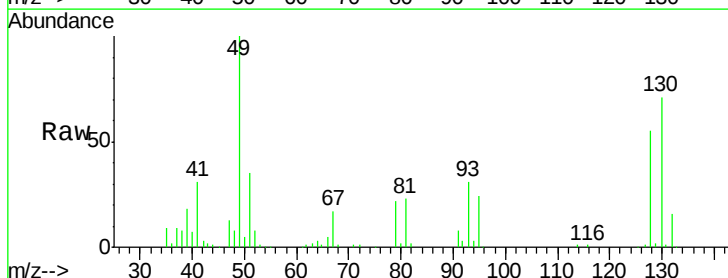
Tgt Ion: 49 Resp: 362427

Ion Ratio Lower Upper

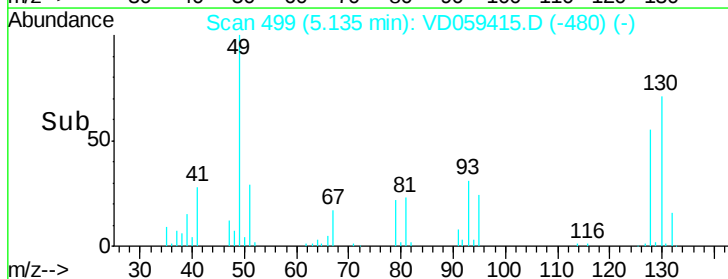
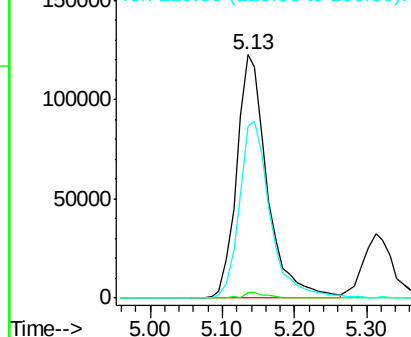
49 100

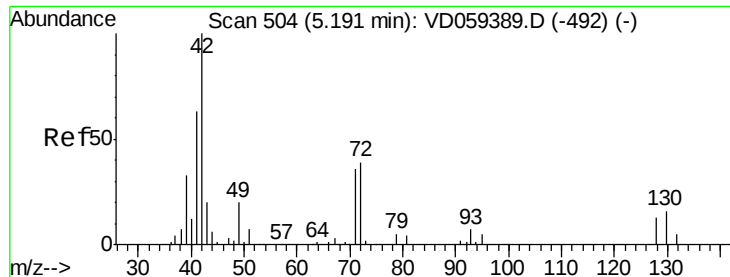
129 2.4 0.0 4.4

130 70.5 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

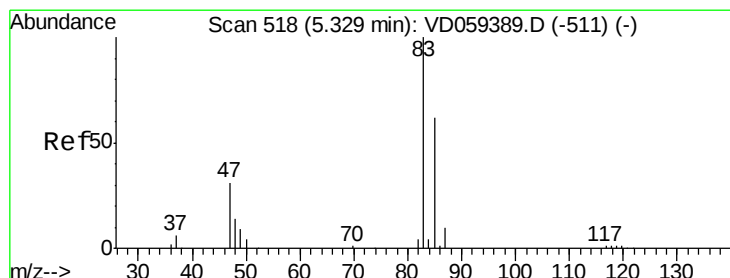
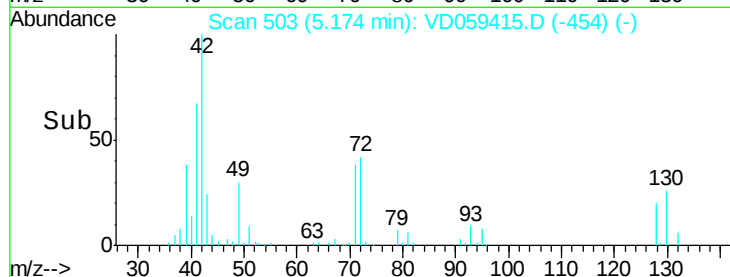
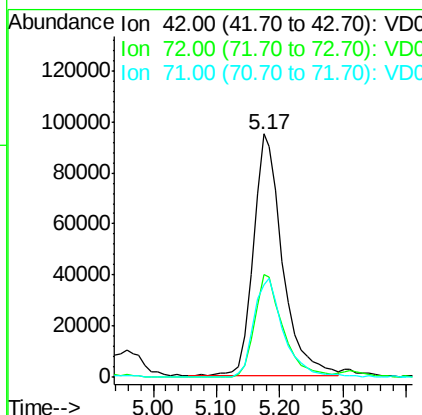
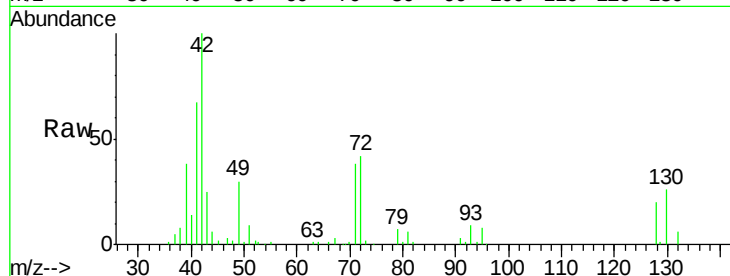




#29
Tetrahydrofuran
Concen: 217.94 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

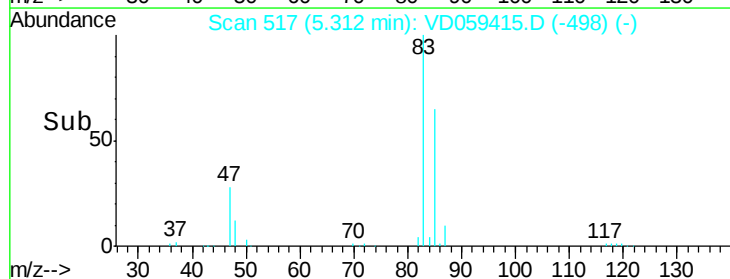
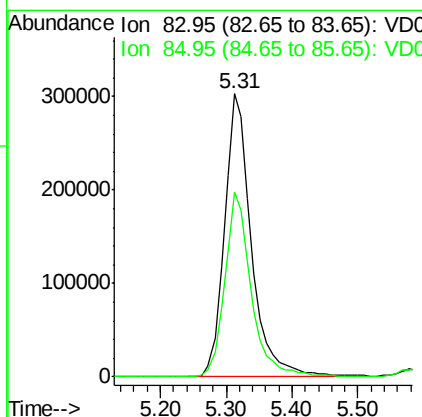
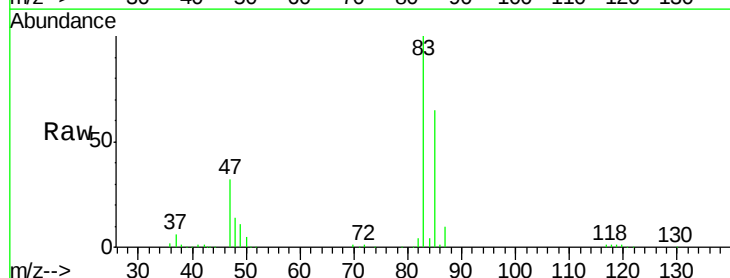
Instrument :
MSVOA_D
ClientSampleId :

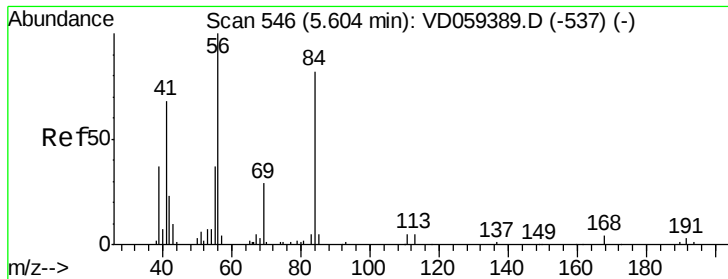
Tot Ion: 42 Resp: 307465
Ion Ratio Lower Upper
42 100
72 41.3 31.4 47.2
71 41.5 29.7 44.5



#30
Chloroform
Concen: 50.90 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 83 Resp: 859359
Ion Ratio Lower Upper
83 100
85 65.3 49.3 73.9

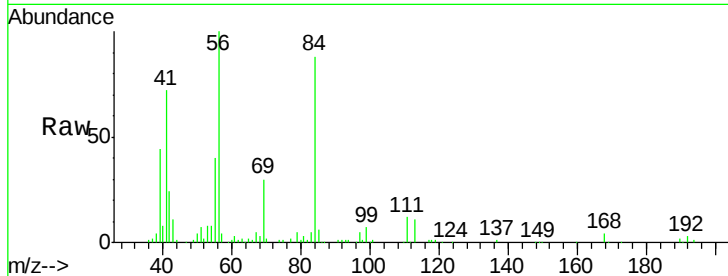




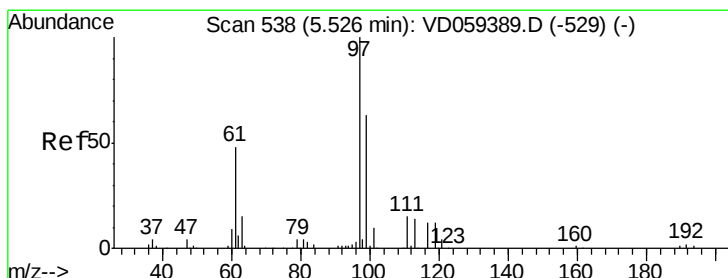
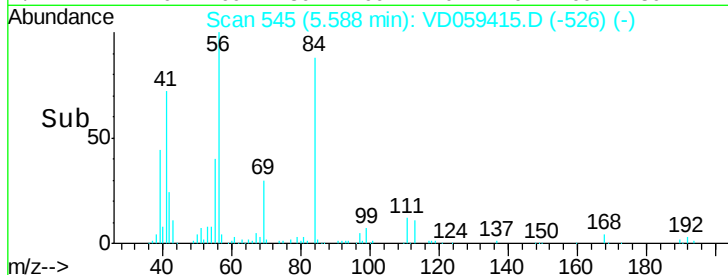
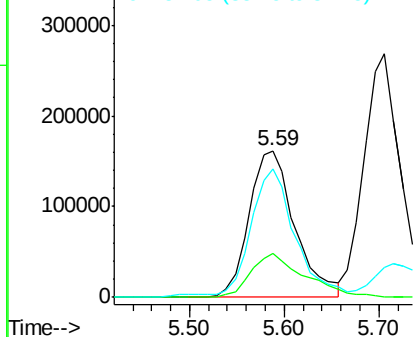
#31
Cyclohexane
Concen: 53.12 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 540462
Ion Ratio Lower Upper
56 100
69 29.8 22.9 34.3
84 87.9 67.3 100.9

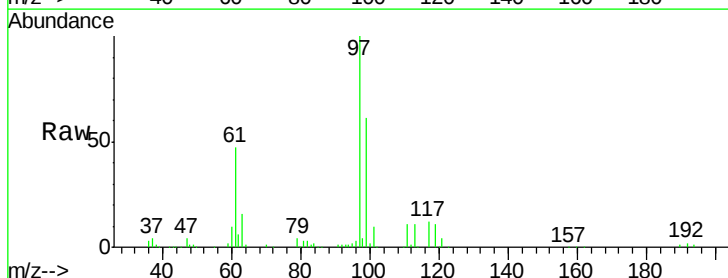


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

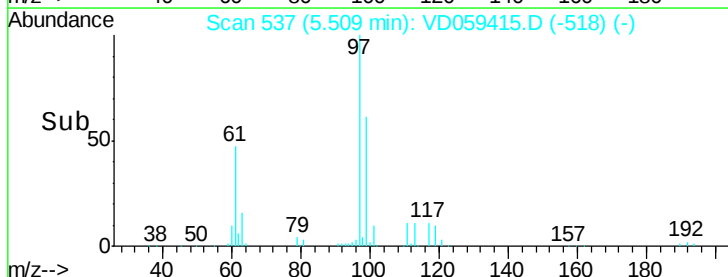
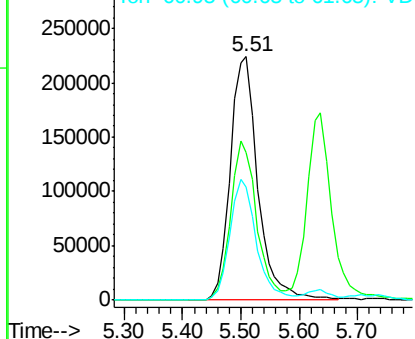


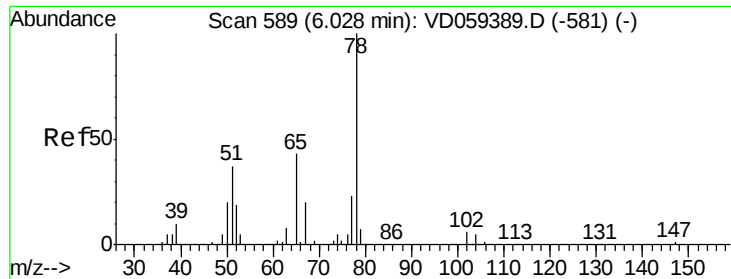
#32
1,1,1-Trichloroethane
Concen: 54.00 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 97 Resp: 738212
Ion Ratio Lower Upper
97 100
99 60.7 50.2 75.4
61 46.6 38.6 57.8



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





#33

1,2-Dichloroethane-d4

Concen: 54.00 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

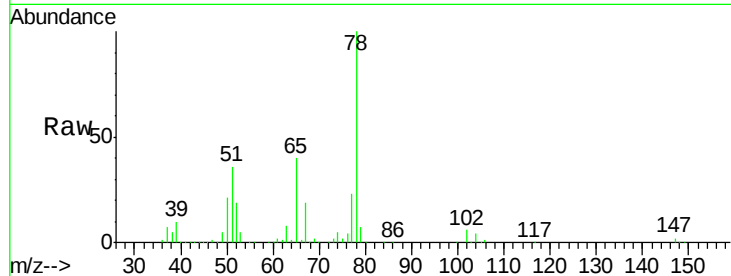
ClientSampleId :

Tot Ion: 65 Resp: 463282

Ion Ratio Lower Upper

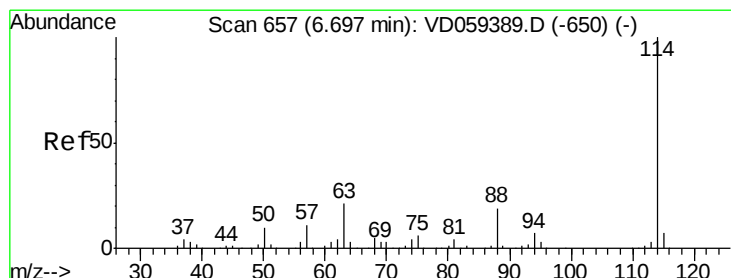
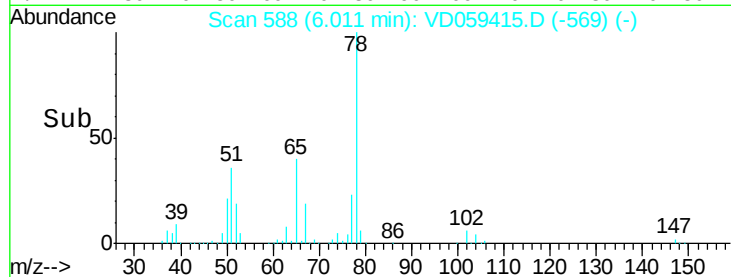
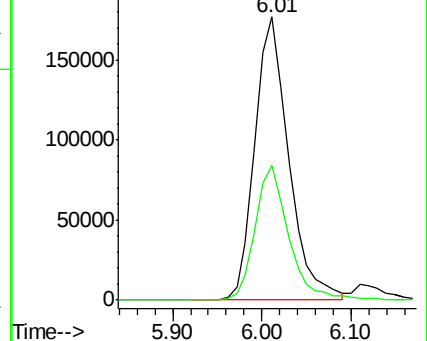
65 100

67 47.5 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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

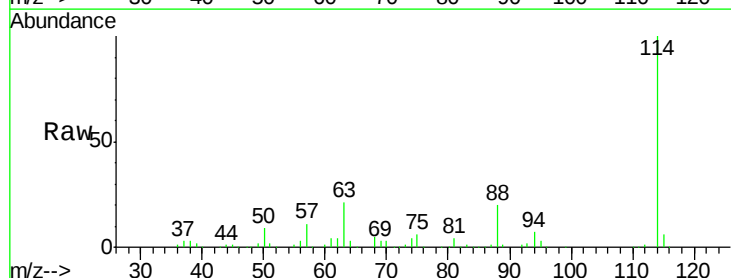
Tgt Ion: 114 Resp: 1265752

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

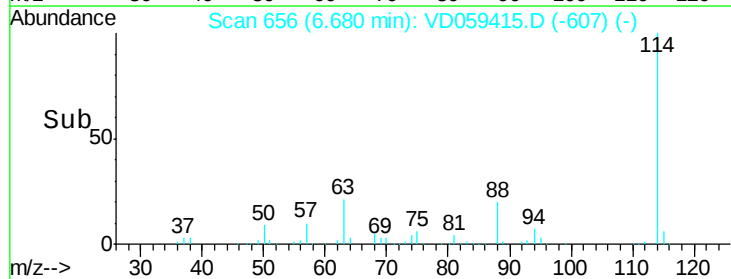
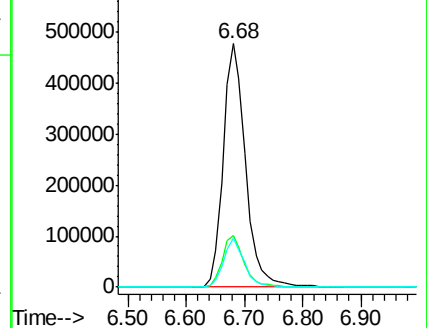
88 19.9 0.0 38.0

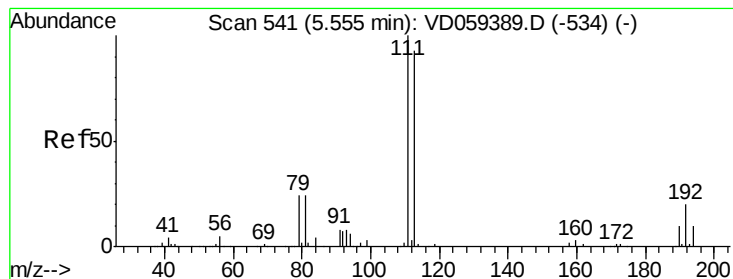


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampleId :

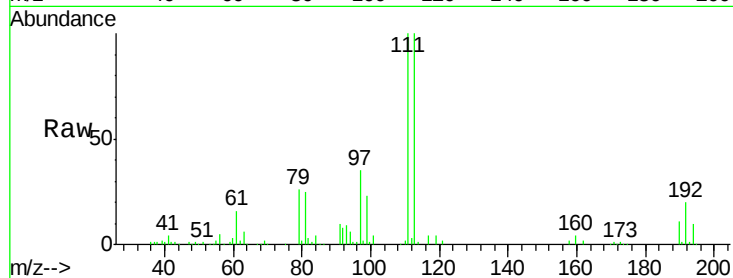
Tot Ion:113 Resp: 483468

Ion Ratio Lower Upper

113 100

111 100.3 85.7 128.5

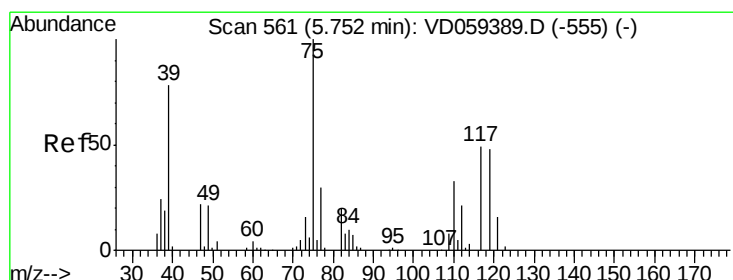
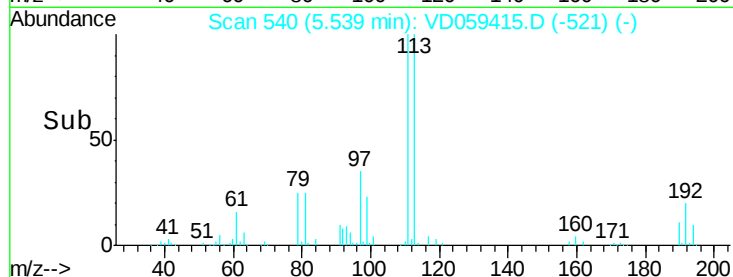
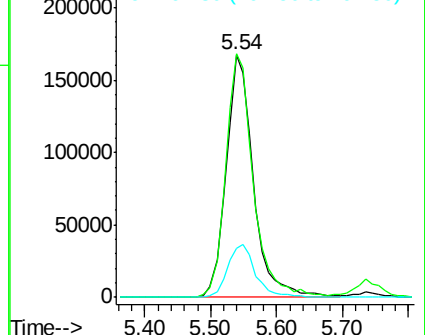
192 20.4 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.93 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

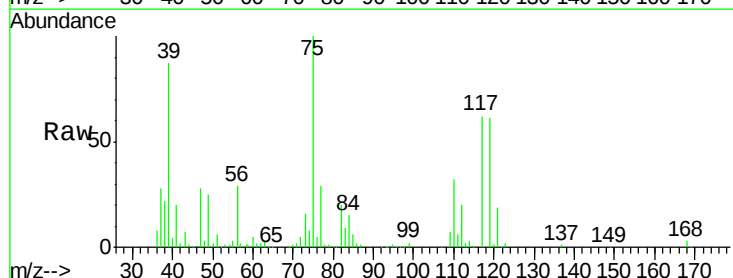
Tgt Ion: 75 Resp: 550303

Ion Ratio Lower Upper

75 100

110 32.3 16.1 48.2

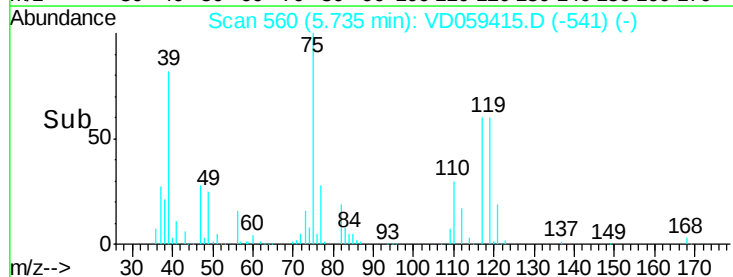
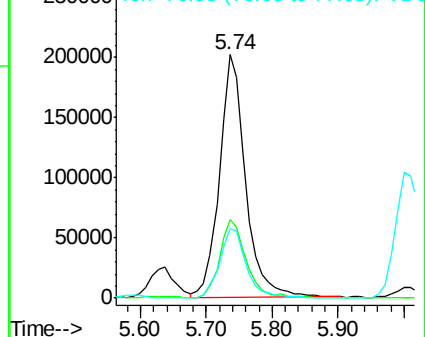
77 28.7 23.4 35.2

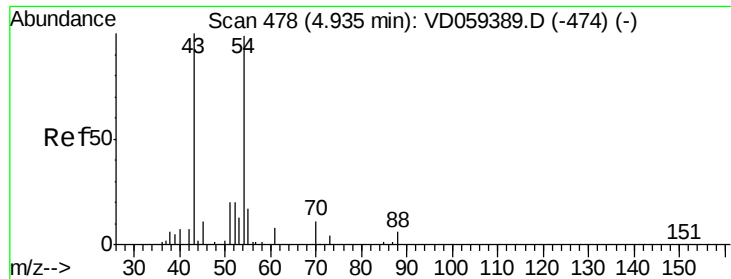


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

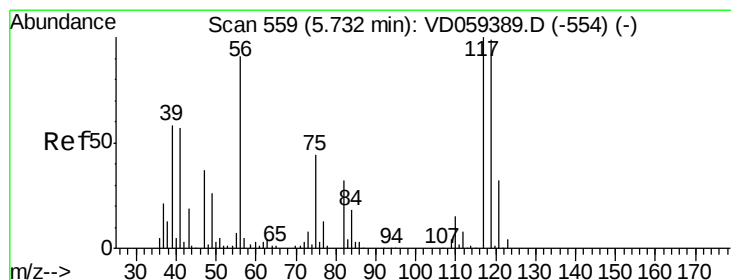
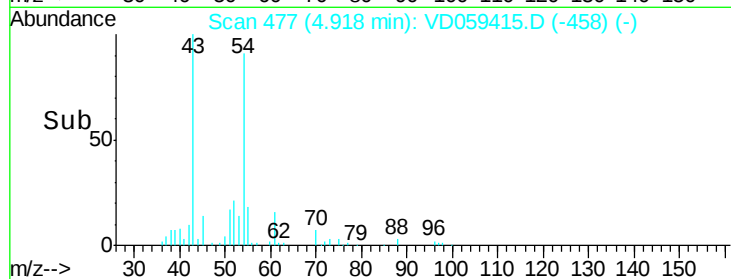
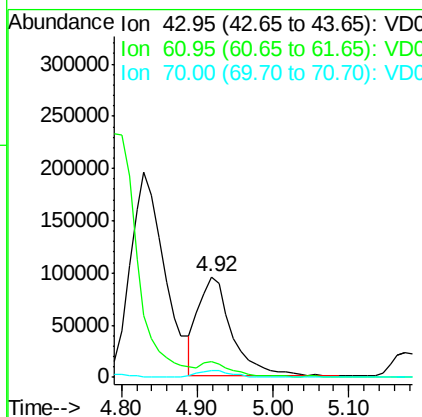
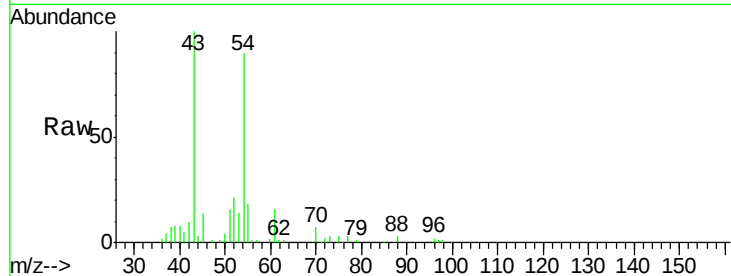




#37
Ethyl Acetate
Concen: 41.95 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

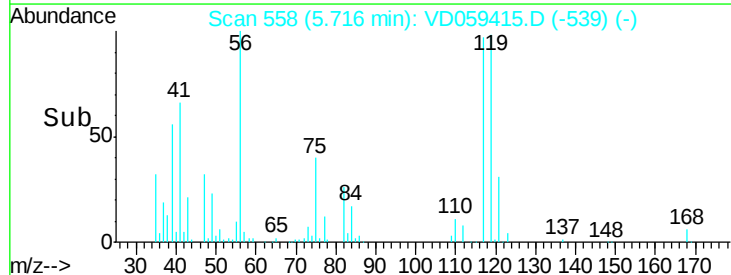
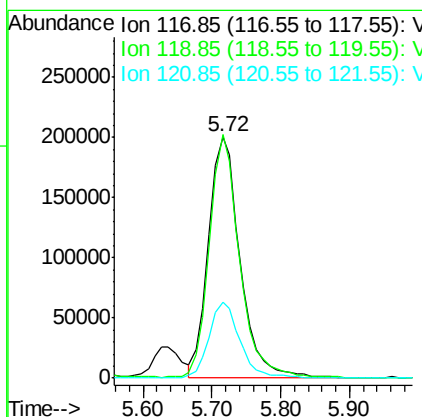
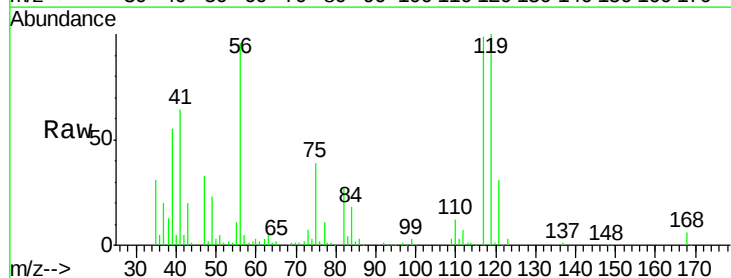
Instrument :
MSVOA_D
ClientSampleId :

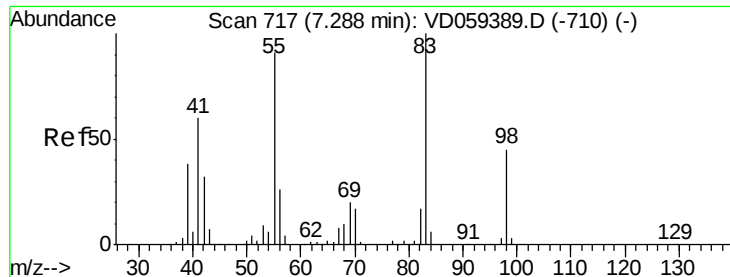
Tot Ion: 43 Resp: 293330
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.8
70 7.3 6.1 9.1



#38
Carbon Tetrachloride
Concen: 53.28 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 117 Resp: 630731
Ion Ratio Lower Upper
117 100
119 100.8 76.6 115.0
121 31.5 25.0 37.4

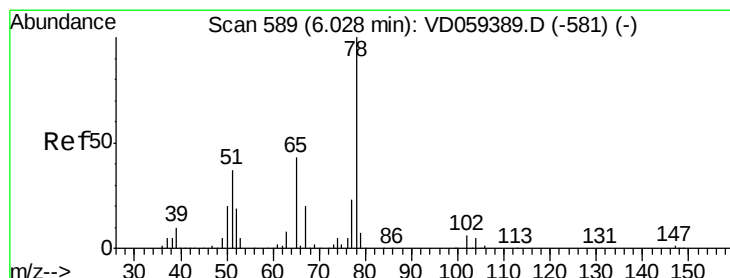
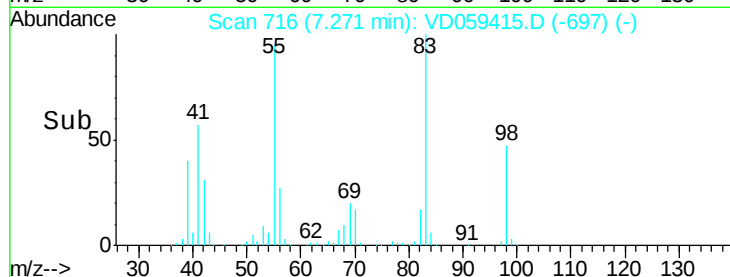
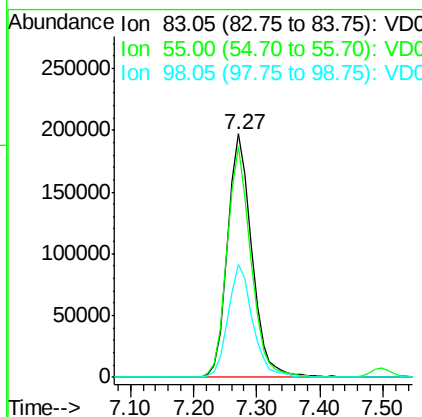
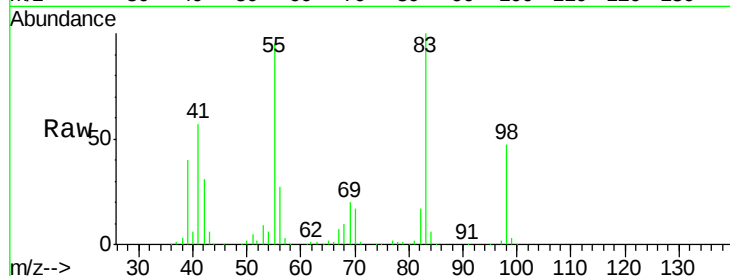




#39
Methvlcvclohexane
Concen: 48.29 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

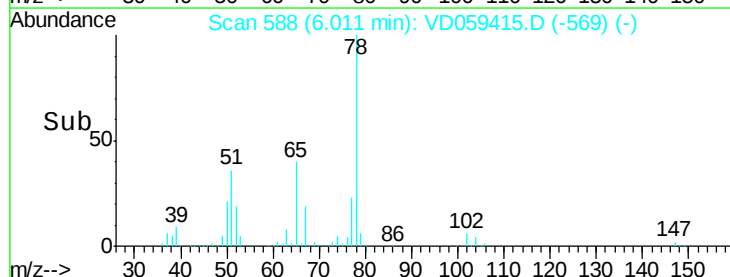
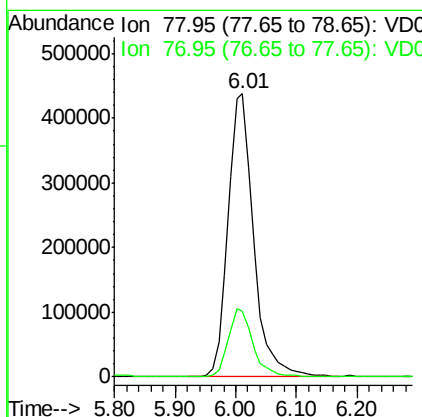
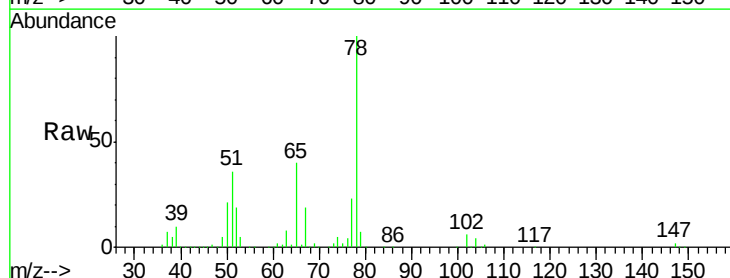
Instrument :
MSVOA_D
ClientSampleId :

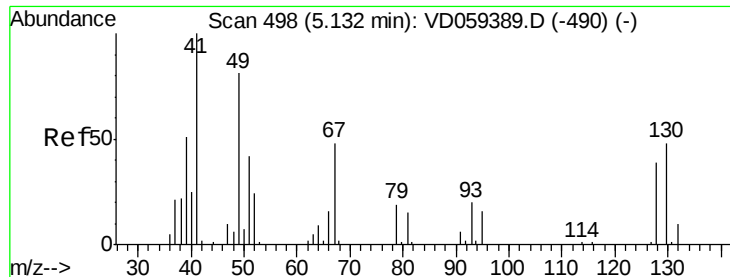
Tot Ion: 83 Resp: 525927
Ion Ratio Lower Upper
83 100
55 94.7 72.6 109.0
98 46.6 35.8 53.6



#40
Benzene
Concen: 46.70 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 78 Resp: 1286776
Ion Ratio Lower Upper
78 100
77 23.3 18.1 27.1





#41

Methacrylonitrile

Concen: 43.76 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 147386

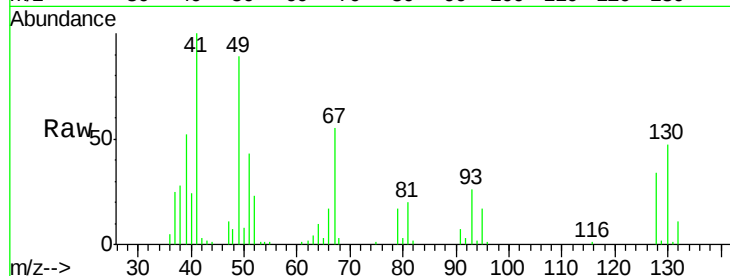
Ion Ratio Lower Upper

41 100

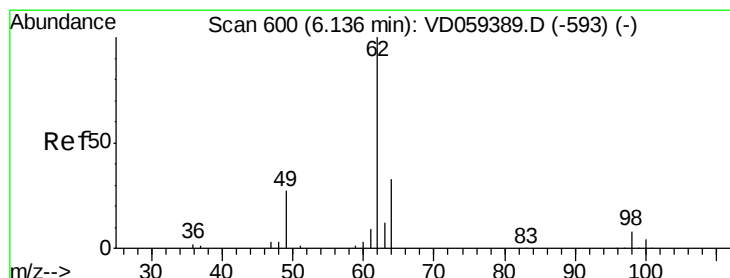
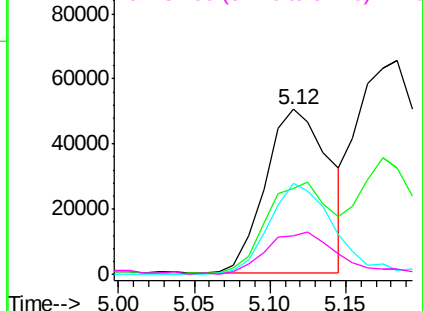
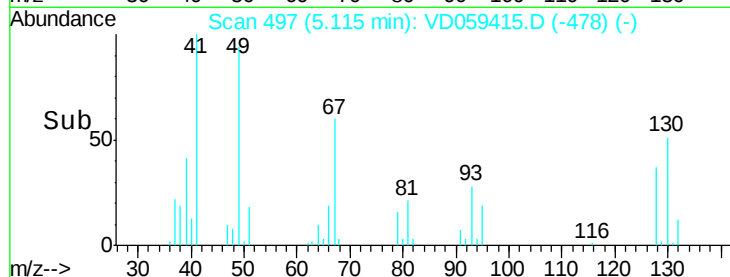
39 52.2 41.5 62.3

67 55.2 38.7 58.1

52 23.3 19.4 29.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.03 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD059415.D

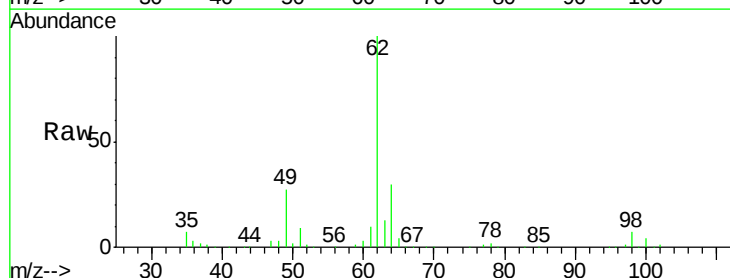
Acq: 26 Jun 2018 9:31

Tgt Ion: 62 Resp: 609161

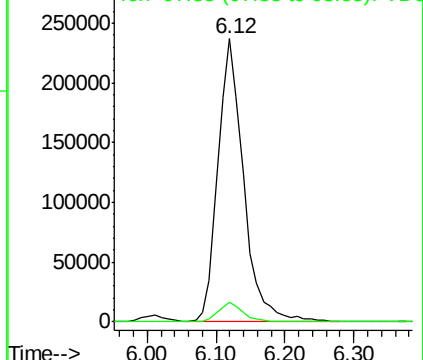
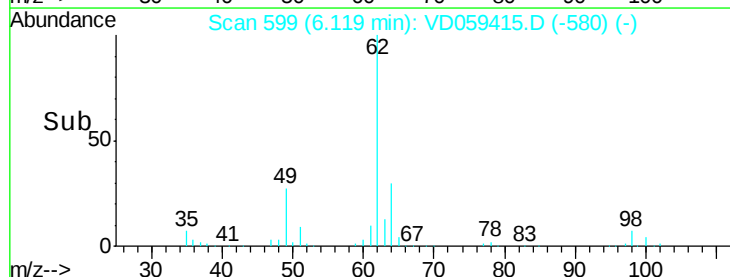
Ion Ratio Lower Upper

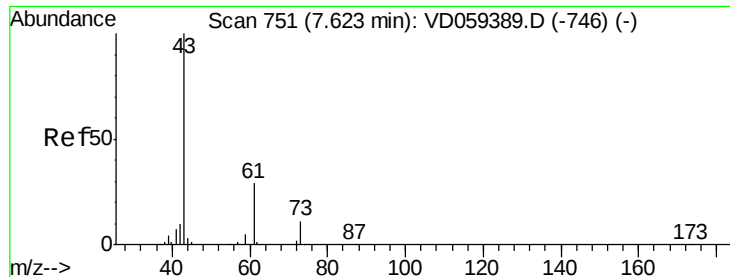
62 100

98 6.9 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 48.10 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampleId :

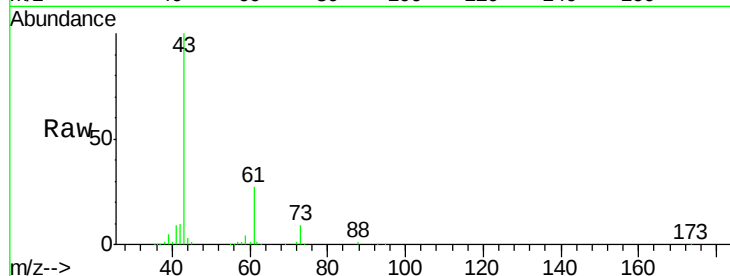
Tot Ion: 43 Resp: 422346

Ion Ratio Lower Upper

43 100

61 27.5 23.1 34.7

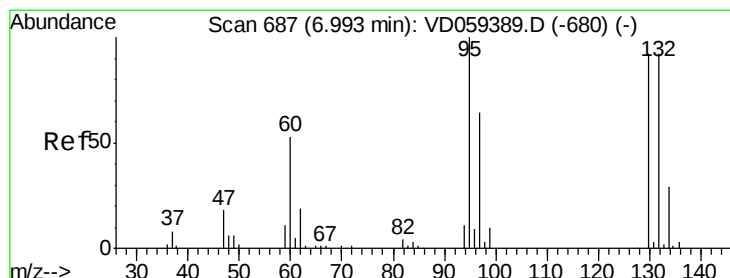
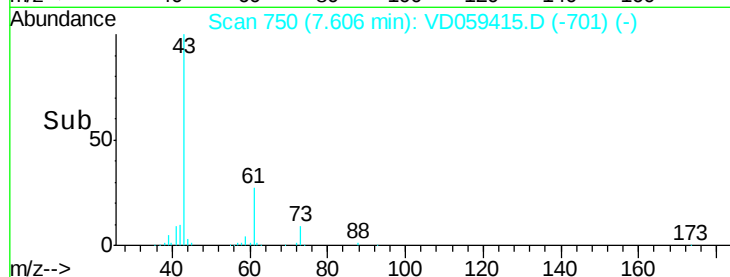
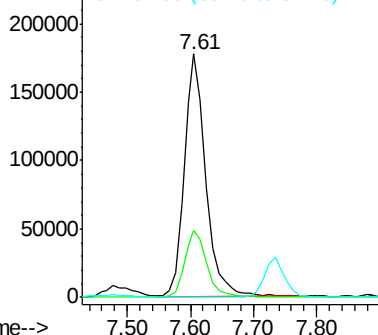
87 0.0 0.2 0.4#



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: 46.92 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.03 min

Lab File: VD059415.D

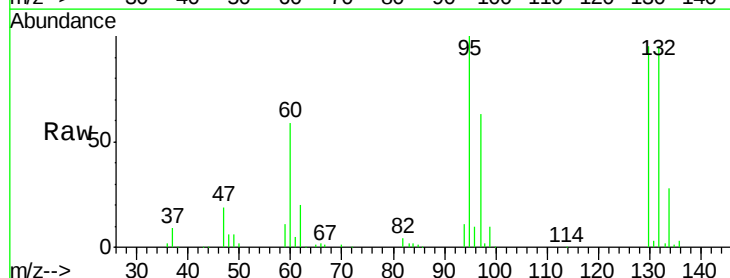
Acq: 26 Jun 2018 9:31

Tgt Ion:130 Resp: 423327

Ion Ratio Lower Upper

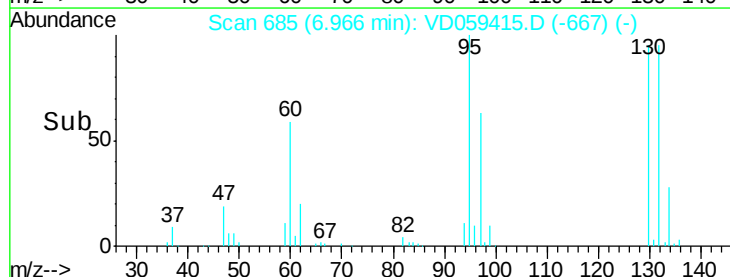
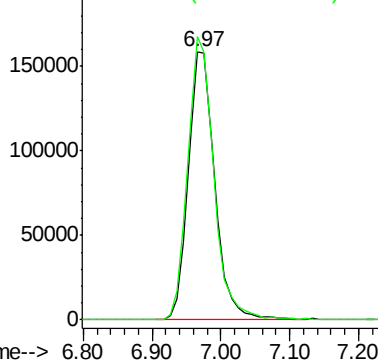
130 100

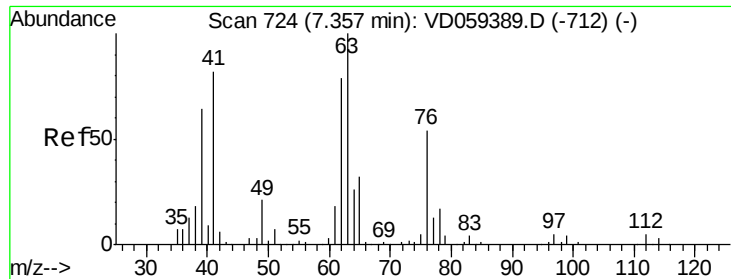
95 105.6 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

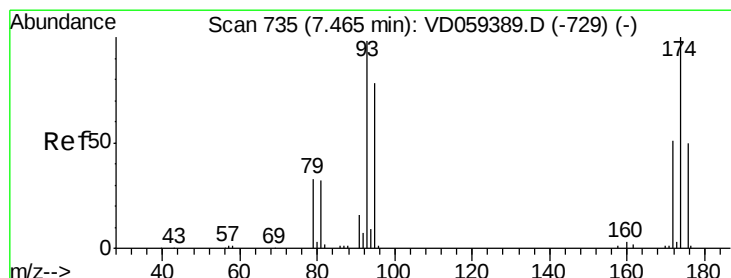
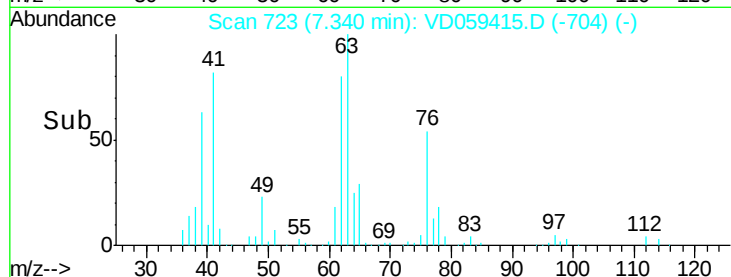
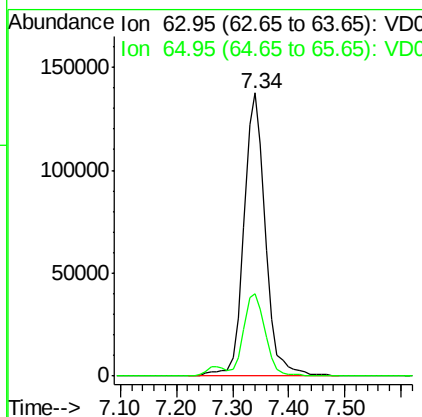
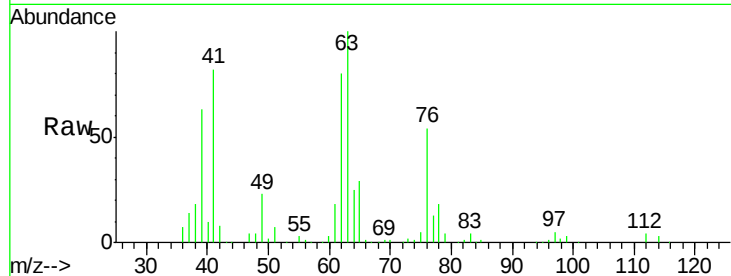




#45
 1,2-Dichloropropane
 Concen: 47.75 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

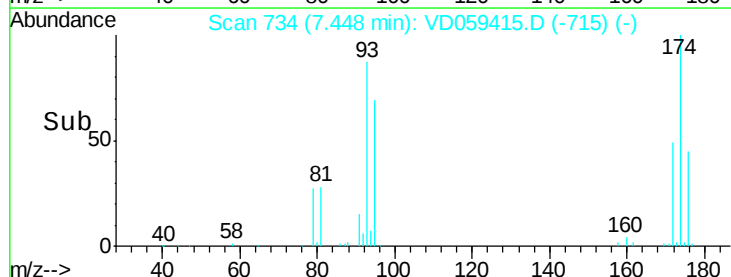
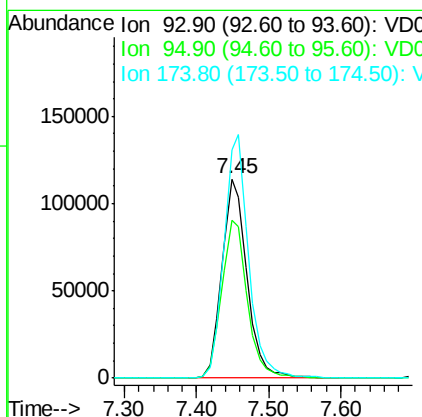
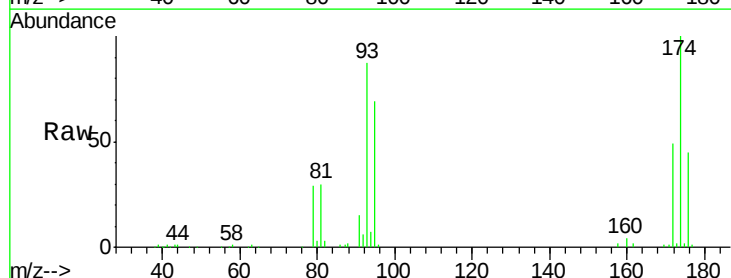
Instrument :
 MSVOA_D
 ClientSampled :

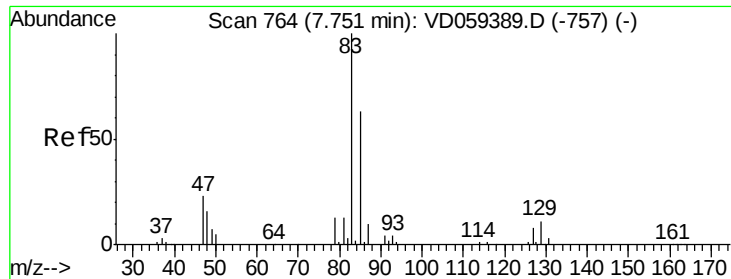
Tot Ion: 63 Resp: 364404
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.7 38.5



#46
 Dibromomethane
 Concen: 49.89 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Tgt Ion: 93 Resp: 273837
 Ion Ratio Lower Upper
 93 100
 95 79.6 63.4 95.0
 174 114.6 81.4 122.2





#47

Bromodichloromethane

Concen: 52.27 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampleId :

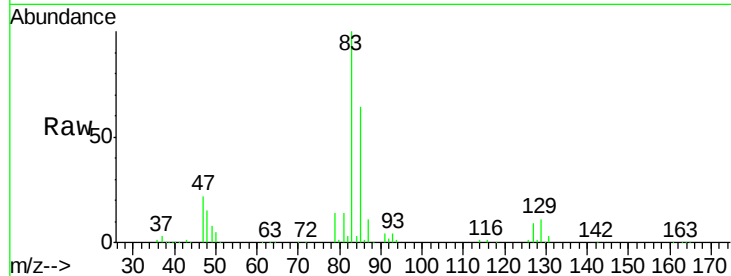
Tot Ion: 83 Resp: 641961

Ion Ratio Lower Upper

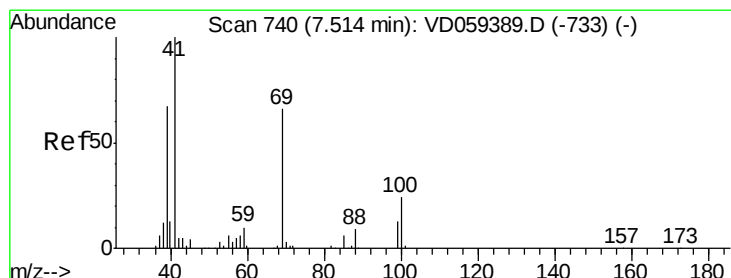
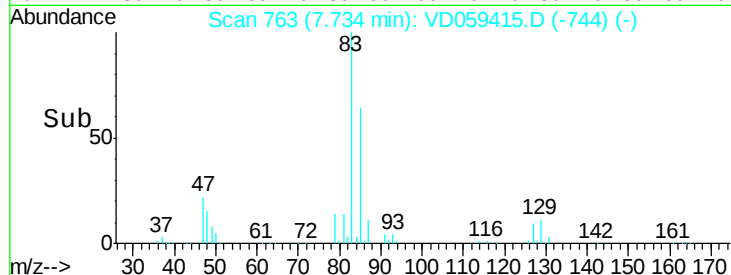
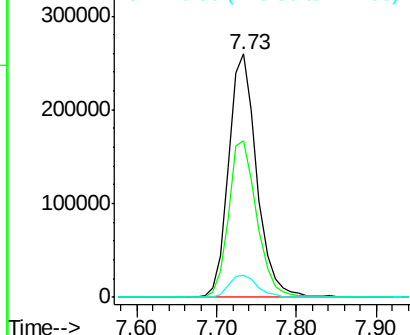
83 100

85 64.5 50.1 75.1

127 9.3 6.1 9.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.44 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

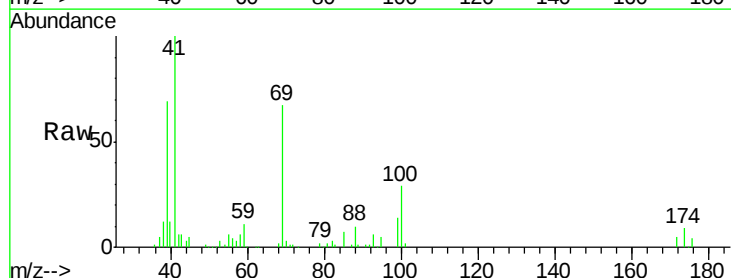
Tgt Ion: 41 Resp: 259143

Ion Ratio Lower Upper

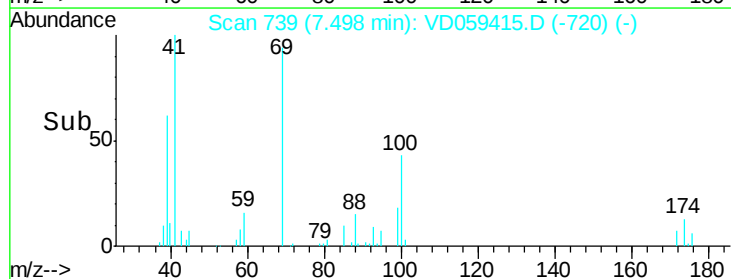
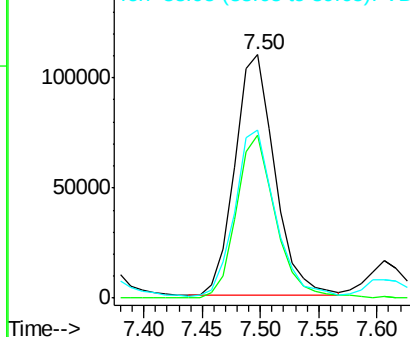
41 100

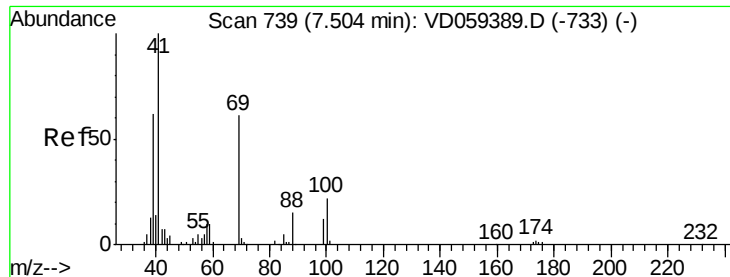
69 67.2 52.6 79.0

39 68.9 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: 984.60 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.03 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampleId :

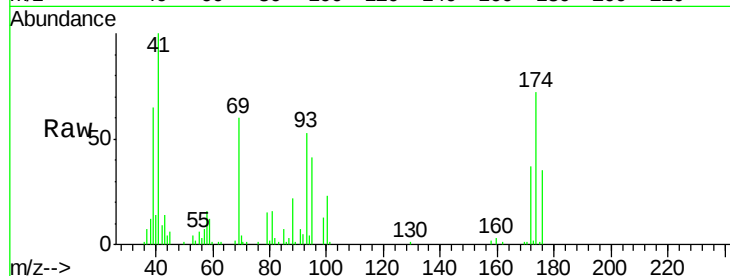
Tot Ion: 88 Resp: 52829

Ion Ratio Lower Upper

88 100

43 66.1 41.0 61.4#

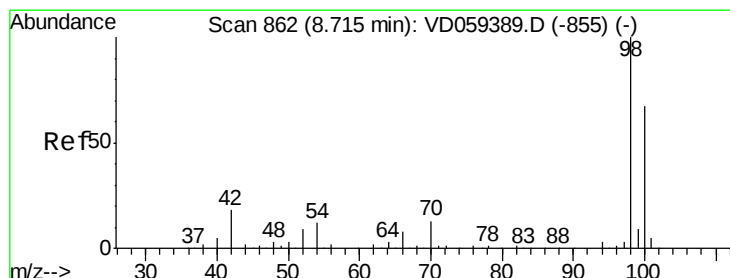
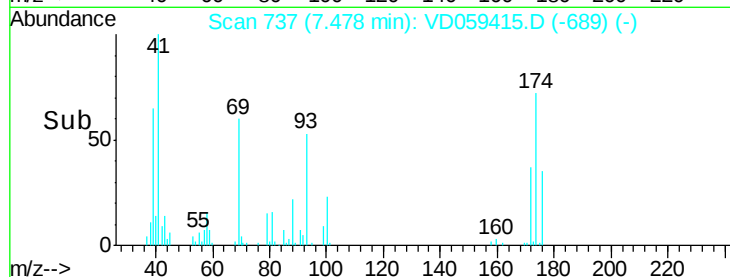
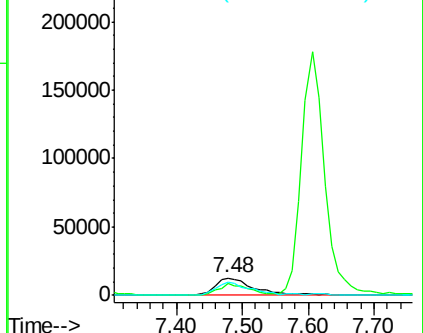
58 74.1 53.4 80.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 984.60 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059415.D

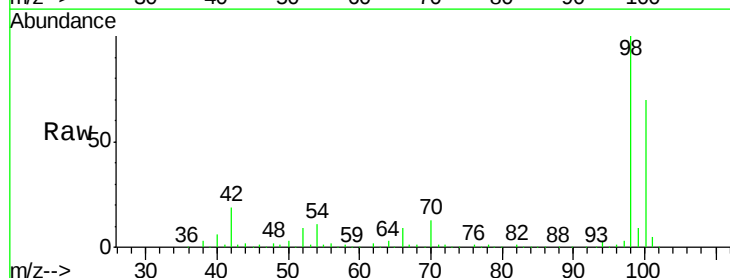
Acq: 26 Jun 2018 9:31

Tgt Ion: 98 Resp: 1048663

Ion Ratio Lower Upper

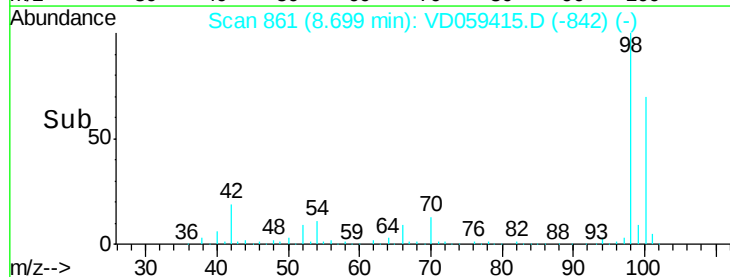
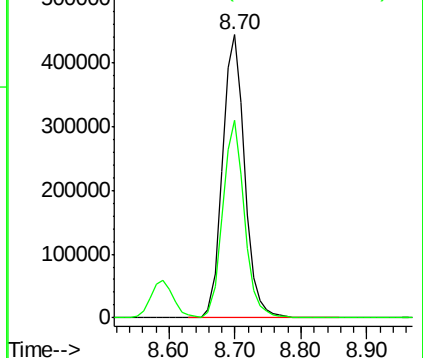
98 100

100 69.8 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: 232.83 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

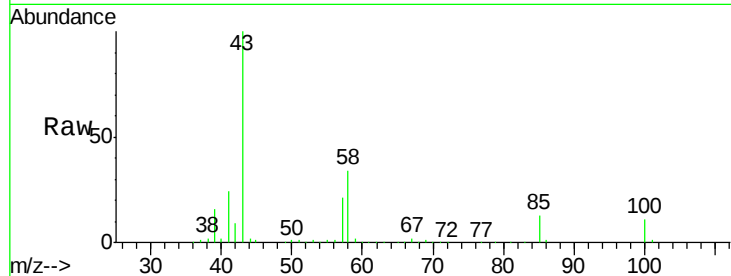
ClientSampled :

Tot Ion: 43 Resp: 1362451

Ion Ratio Lower Upper

43 100

58 34.4 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

600000

500000

400000

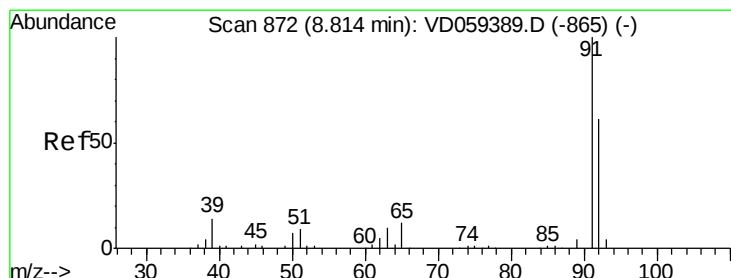
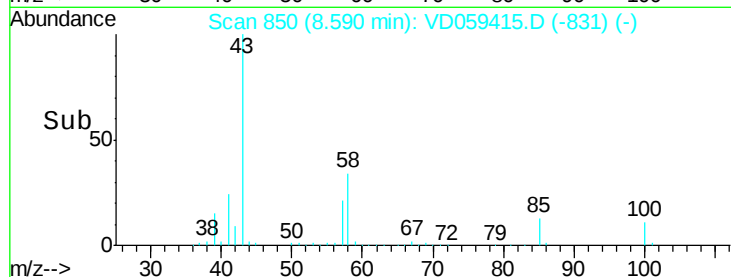
300000

200000

100000

0

Time--> 8.40 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 45.60 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059415.D

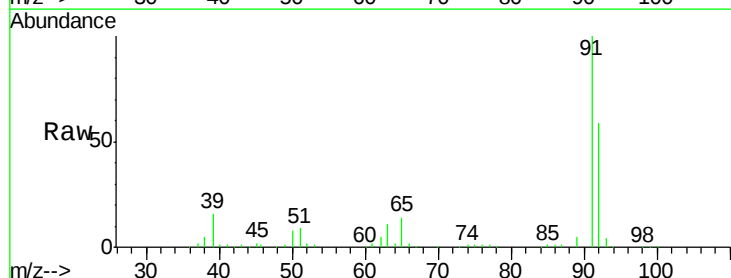
Acq: 26 Jun 2018 9:31

Tgt Ion: 92 Resp: 750359

Ion Ratio Lower Upper

92 100

91 169.4 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.79

600000

500000

400000

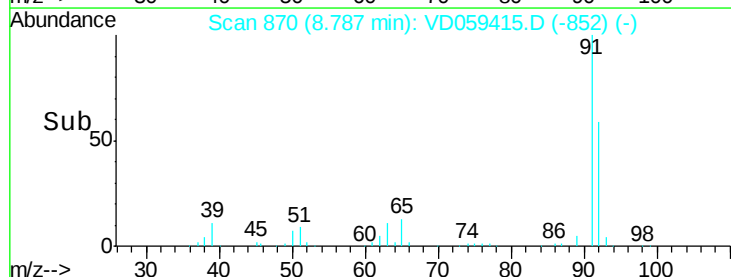
300000

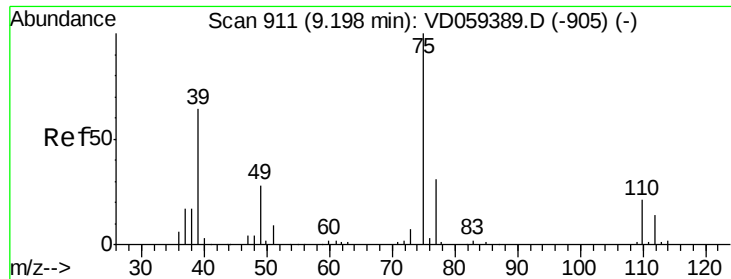
200000

100000

0

Time--> 8.70 8.80 8.90 9.00

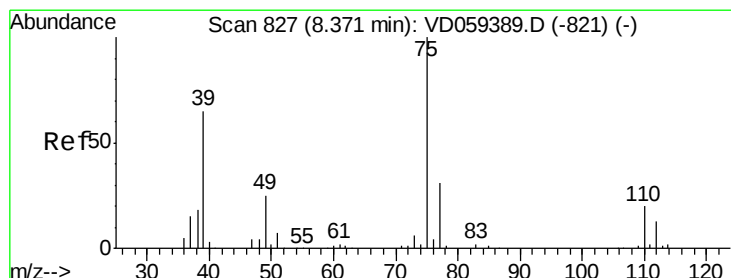
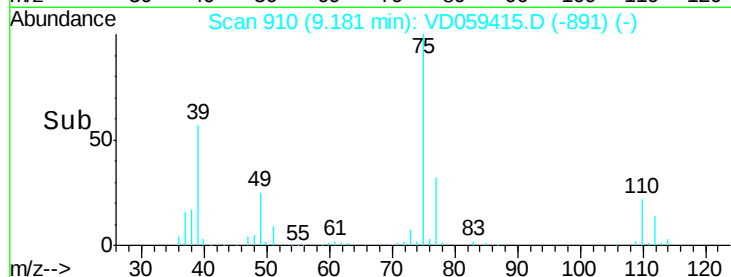
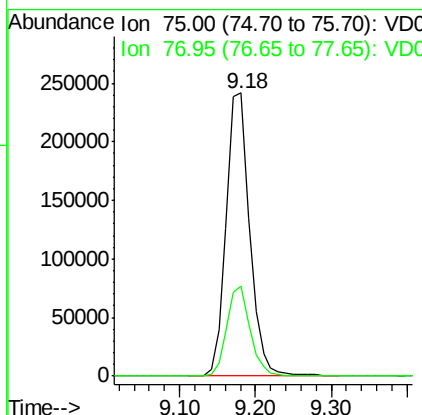
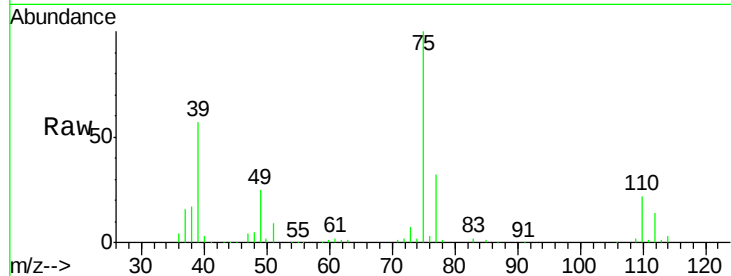




#53
 t-1,3-Dichloropropene
 Concen: 50.60 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

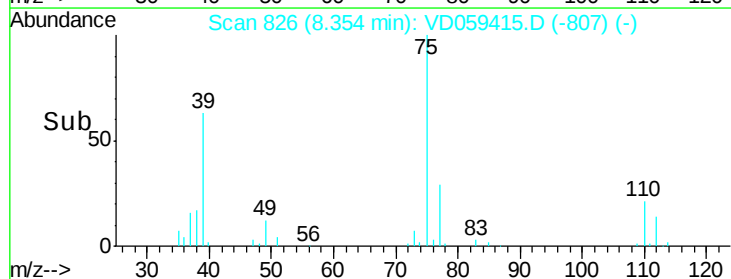
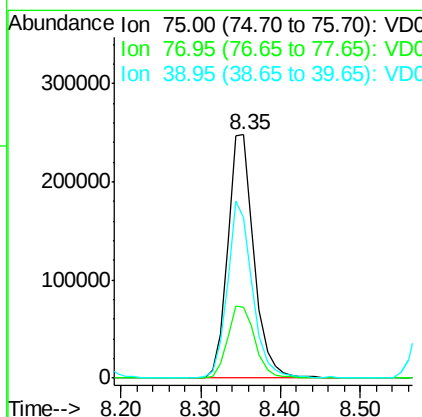
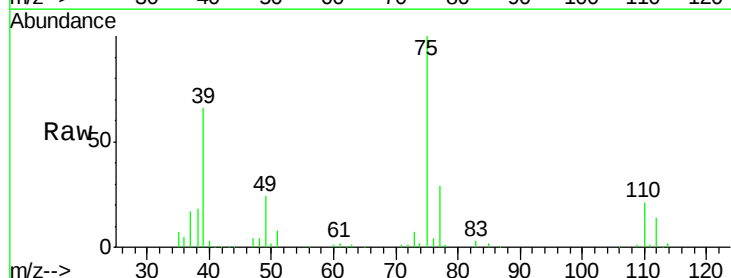
Instrument :
 MSVOA_D
 ClientSampleId :

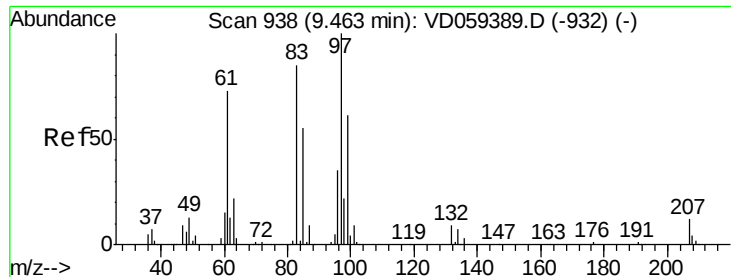
Tot Ion: 75 Resp: 519232
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 48.23 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Tgt Ion: 75 Resp: 573078
 Ion Ratio Lower Upper
 75 100
 77 29.3 24.7 37.1
 39 66.0 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 49.00 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 292760

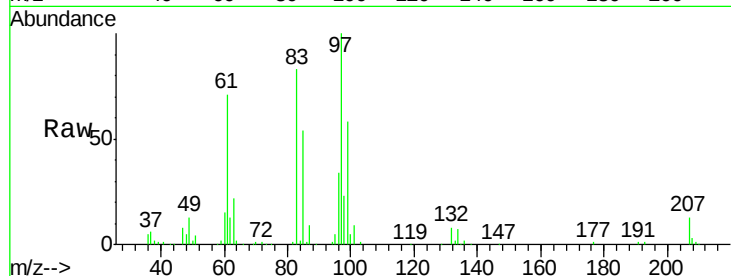
Ion Ratio Lower Upper

97 100

83 83.3 67.7 101.5

85 54.2 44.3 66.5

99 57.8 48.6 73.0

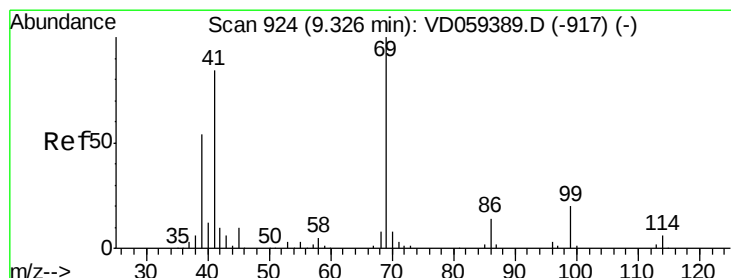
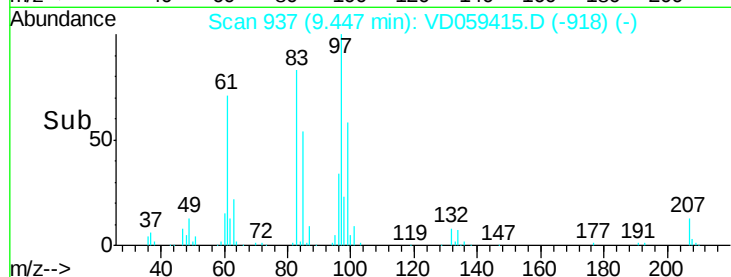
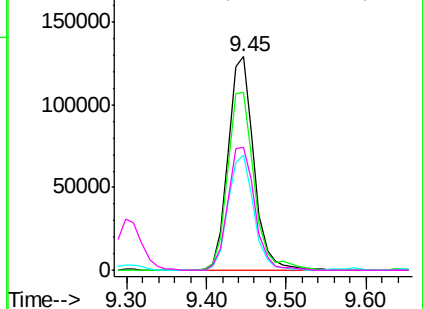


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 47.94 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

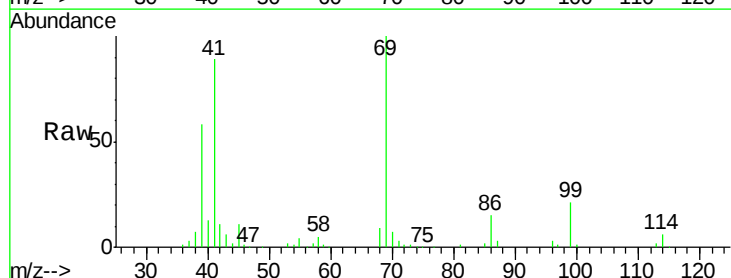
Tgt Ion: 69 Resp: 326822

Ion Ratio Lower Upper

69 100

41 89.2 67.4 101.0

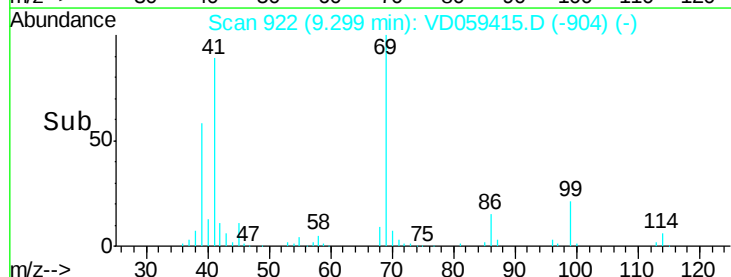
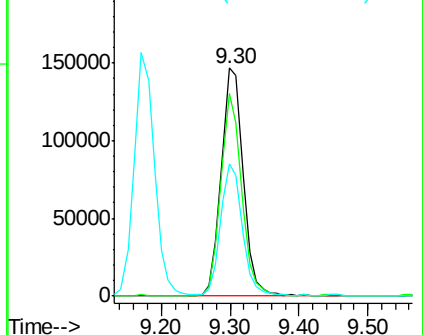
39 58.2 43.7 65.5

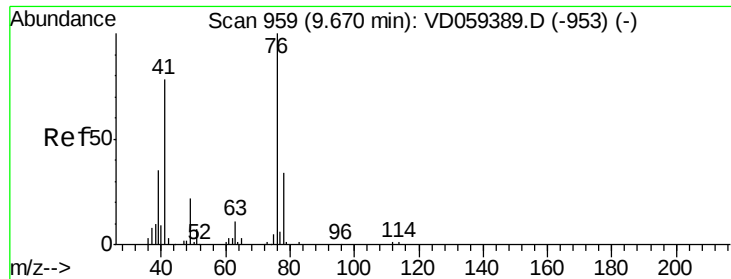


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 48.03 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

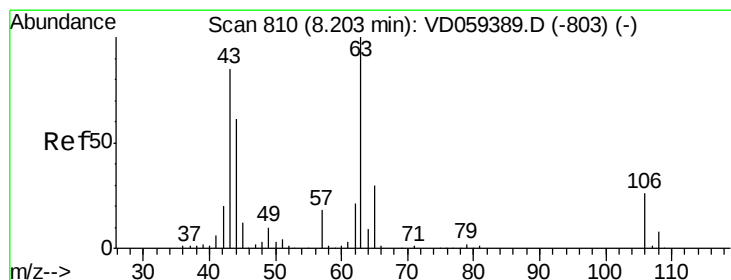
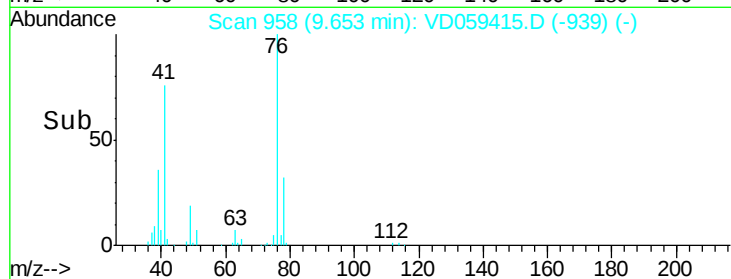
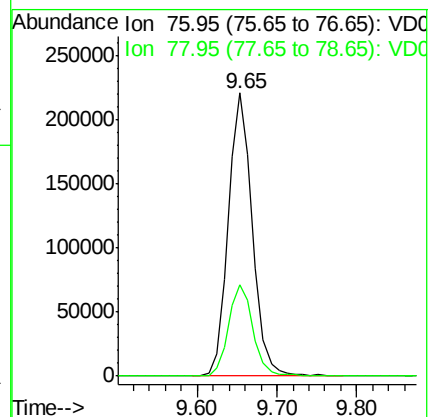
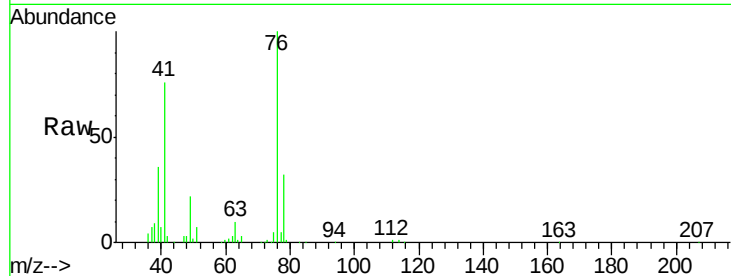
ClientSampled :

Tot Ion: 76 Resp: 469300

Ion Ratio Lower Upper

76 100

78 32.3 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 232.77 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD059415.D

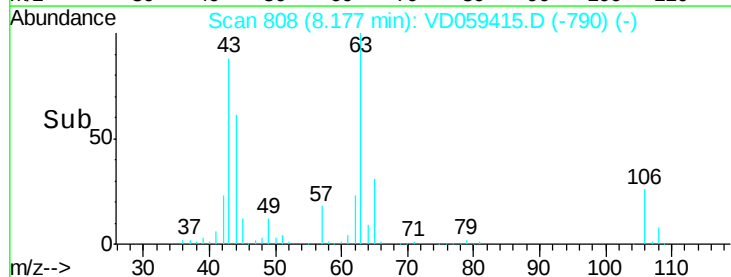
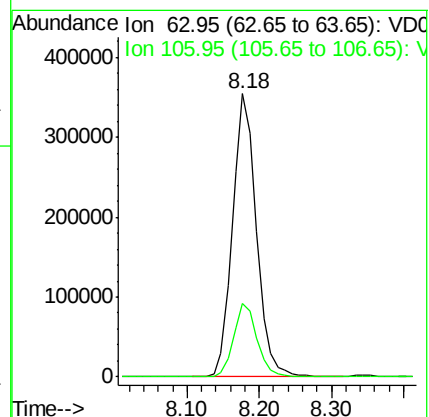
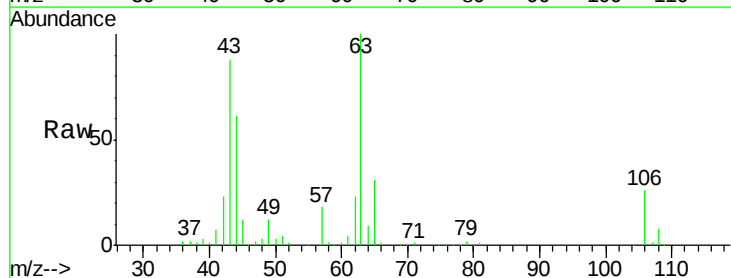
Acq: 26 Jun 2018 9:31

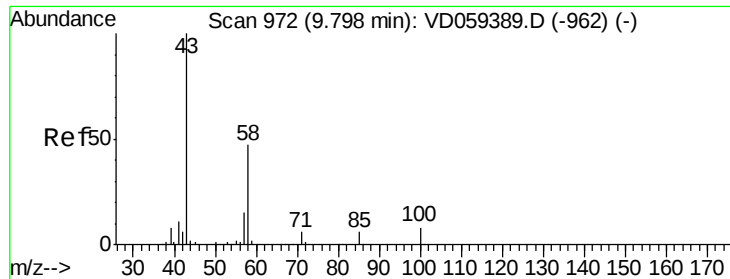
Tgt Ion: 63 Resp: 816953

Ion Ratio Lower Upper

63 100

106 26.0 20.6 31.0

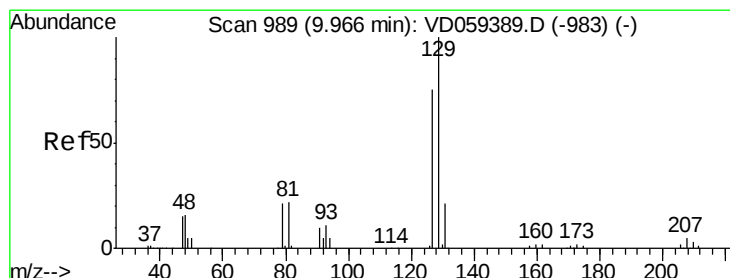
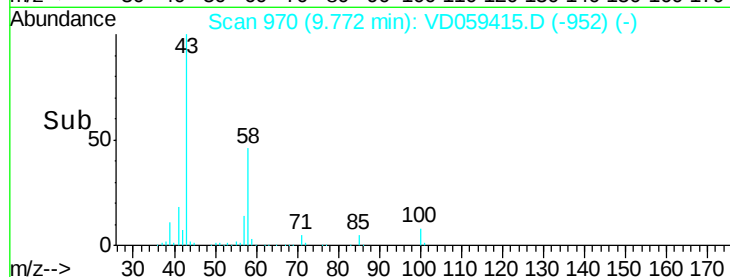
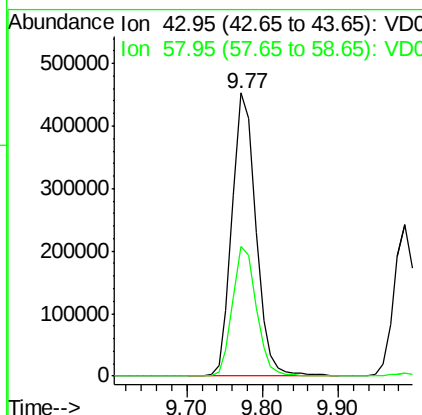
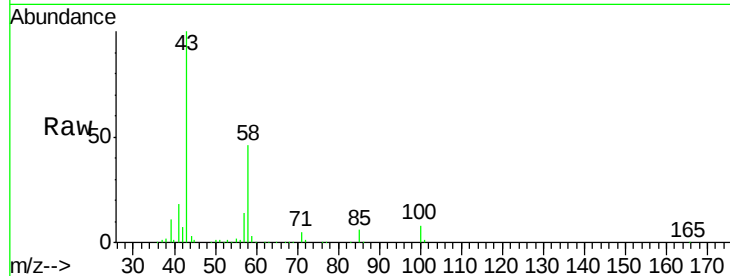




#59
2-Hexanone
Concen: 237.55 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.03 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

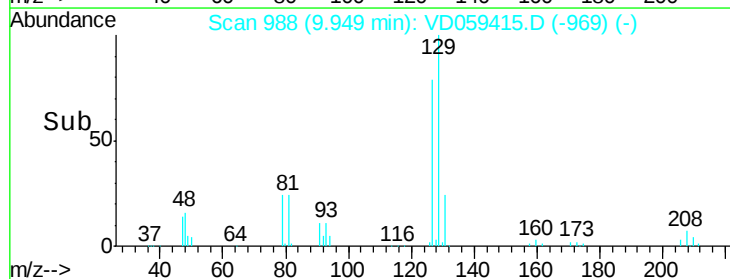
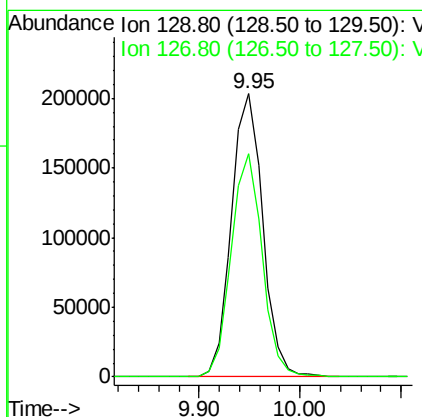
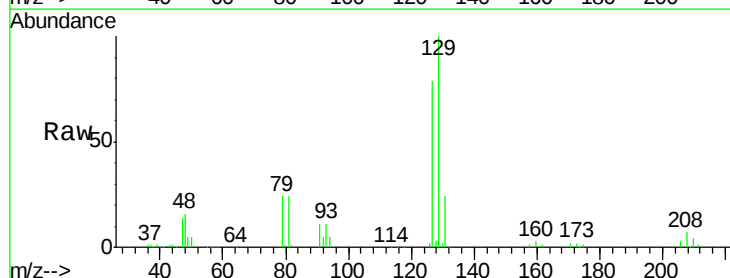
Instrument :
MSVOA_D
ClientSampled :

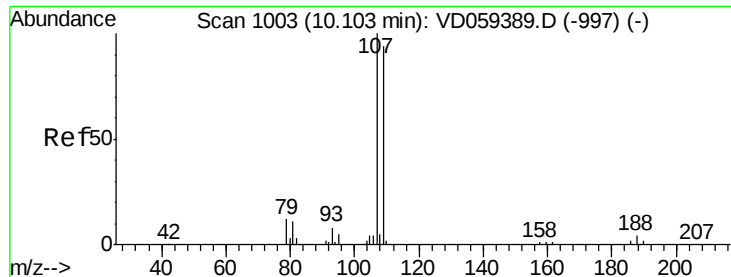
Tot Ion: 43 Resp: 987949
Ion Ratio Lower Upper
43 100
58 45.9 23.3 69.9



#60
Dibromochloromethane
Concen: 52.69 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 129 Resp: 440839
Ion Ratio Lower Upper
129 100
127 78.8 37.3 111.8





#61

1,2-Dibromoethane

Concen: 50.19 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

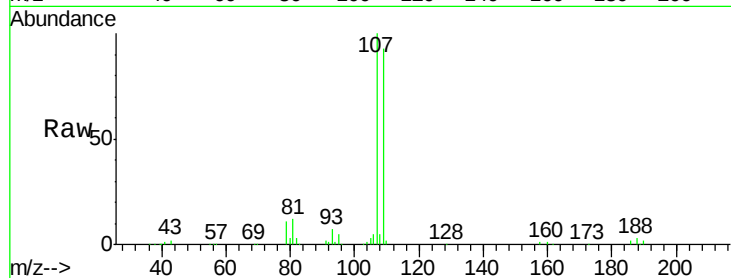
ClientSampleId :

Tot Ion:107 Resp: 333946

Ion Ratio Lower Upper

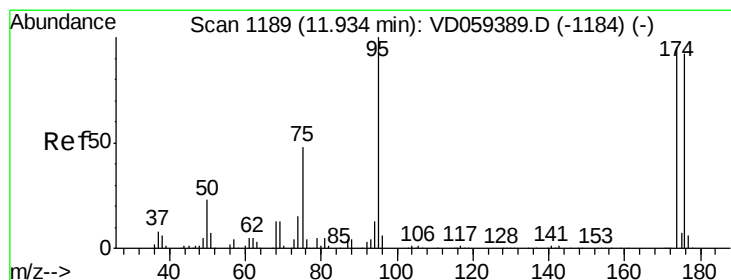
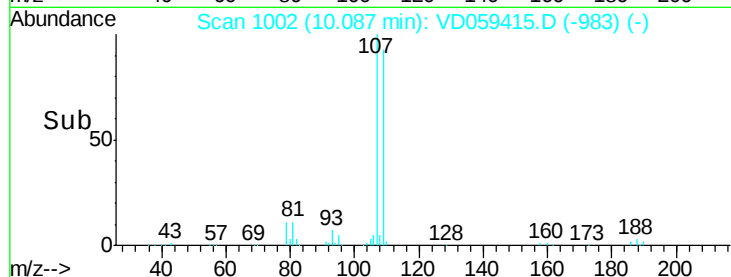
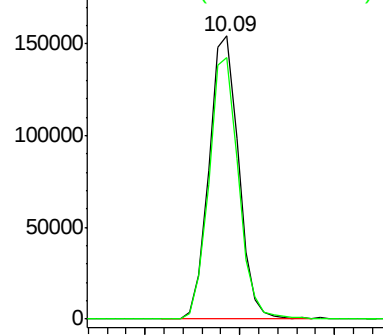
107 100

109 92.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.19 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

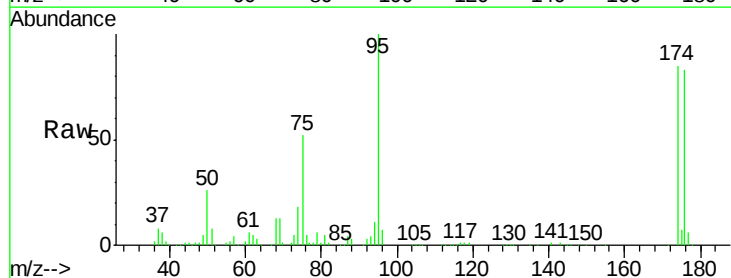
Tgt Ion: 95 Resp: 470950

Ion Ratio Lower Upper

95 100

174 85.2 0.0 190.4

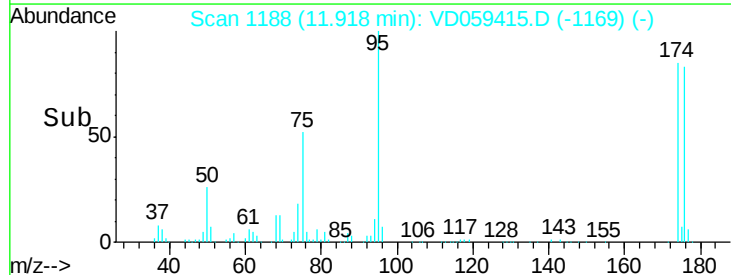
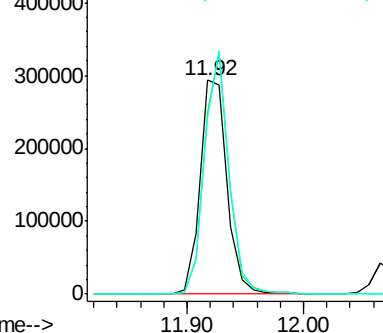
176 82.6 0.0 183.2

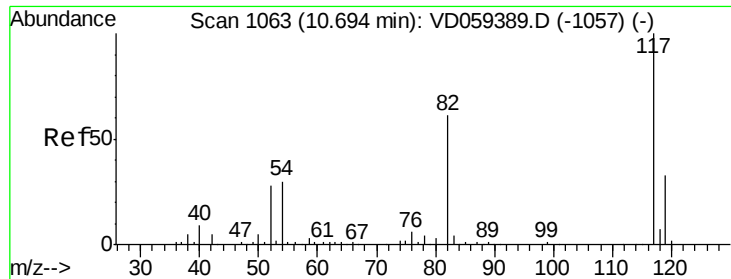


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

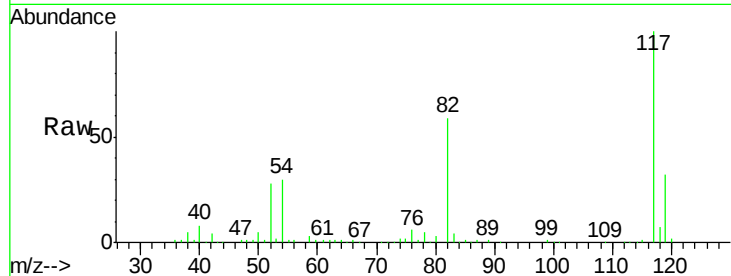




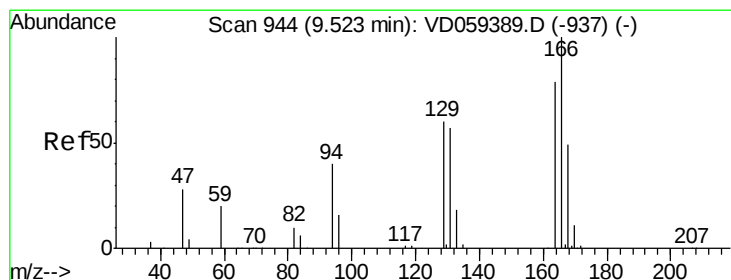
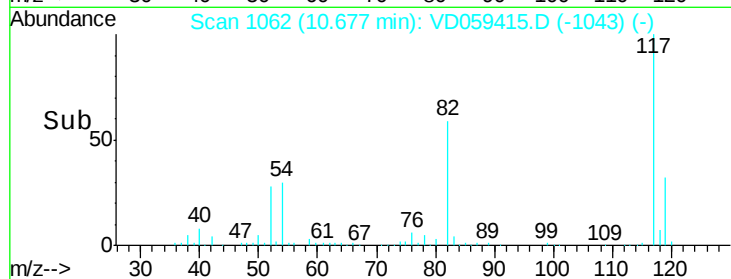
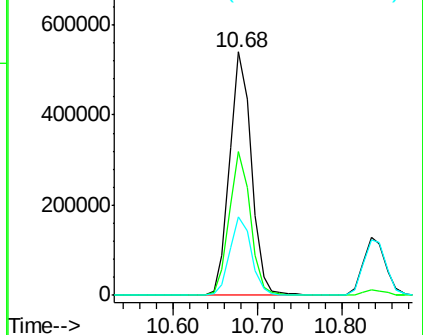
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 974445
Ion Ratio Lower Upper
117 100
82 59.1 49.0 73.6
119 32.2 26.2 39.4

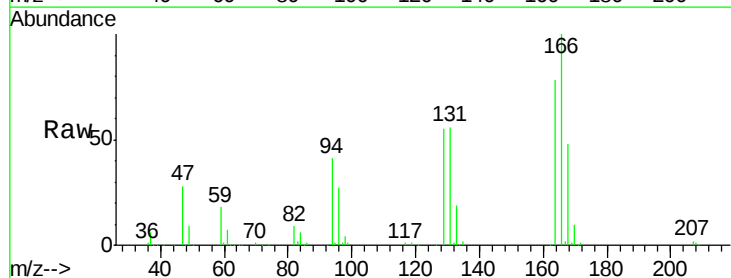


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

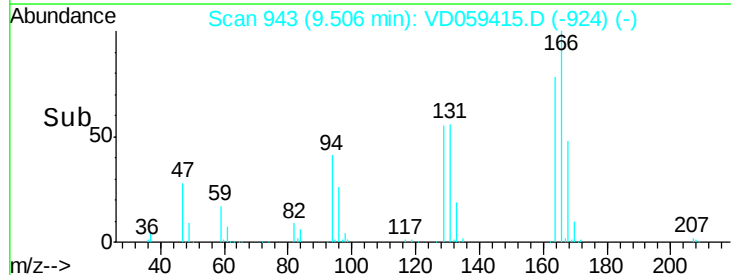
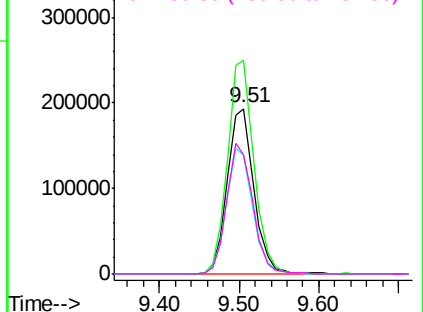


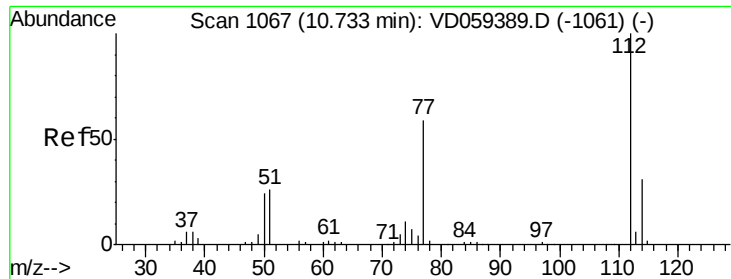
#64
Tetrachloroethene
Concen: 53.28 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion:164 Resp: 455426
Ion Ratio Lower Upper
164 100
166 129.0 101.4 152.2
129 71.6 60.9 91.3
131 72.0 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

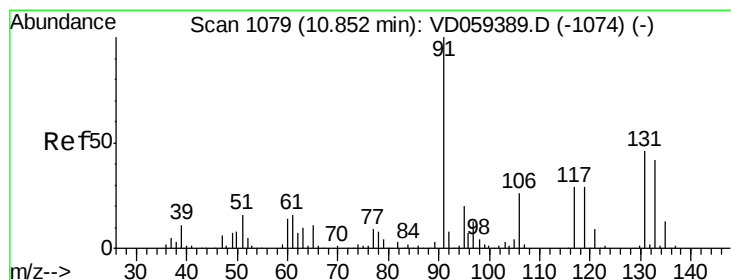
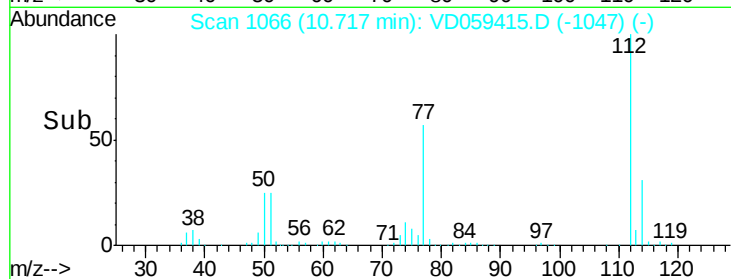
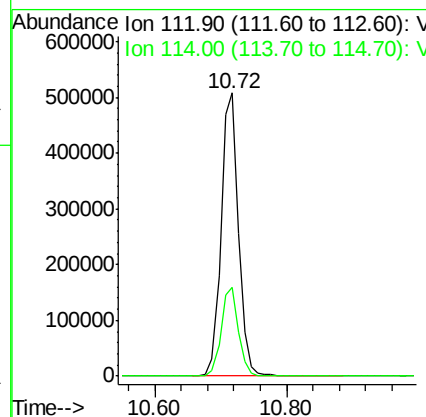
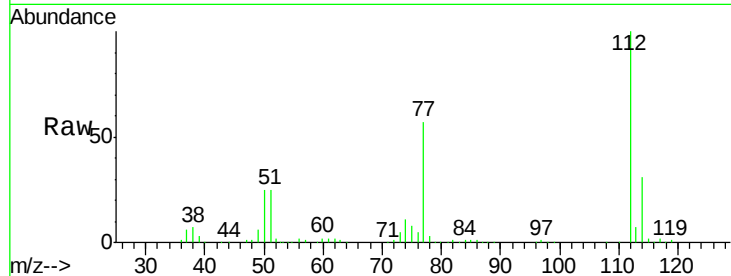




#65
Chlorobenzene
Concen: 51.76 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

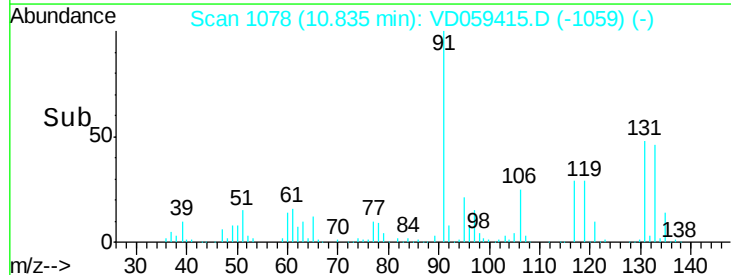
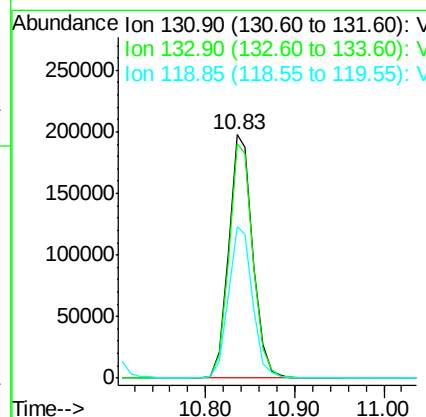
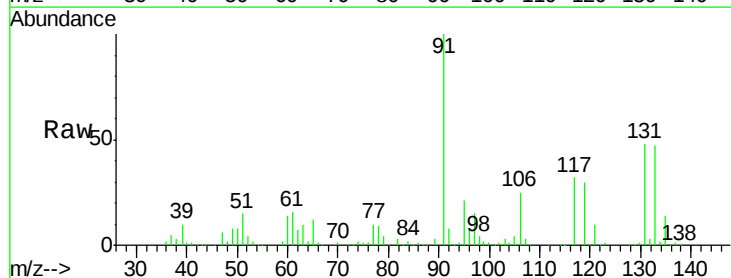
Instrument :
MSVOA_D
ClientSampled :

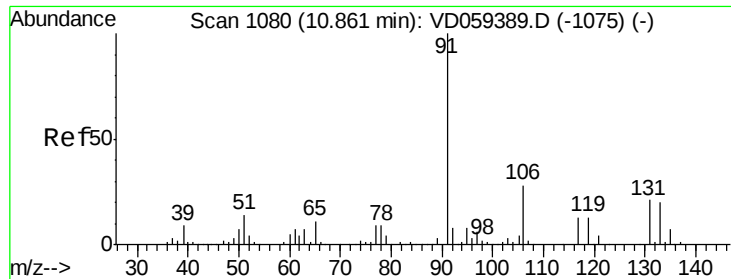
Tot Ion:112 Resp: 922244
Ion Ratio Lower Upper
112 100
114 31.3 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.07 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion:131 Resp: 376639
Ion Ratio Lower Upper
131 100
133 96.6 45.7 137.1
119 62.0 32.3 96.9

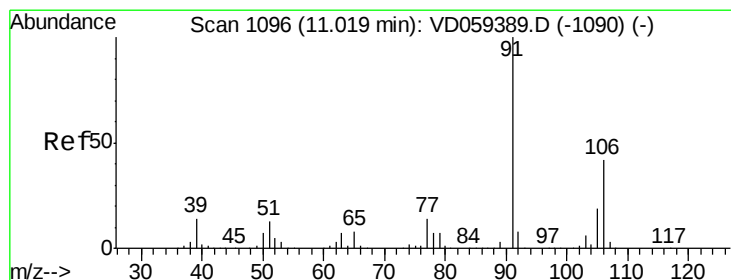
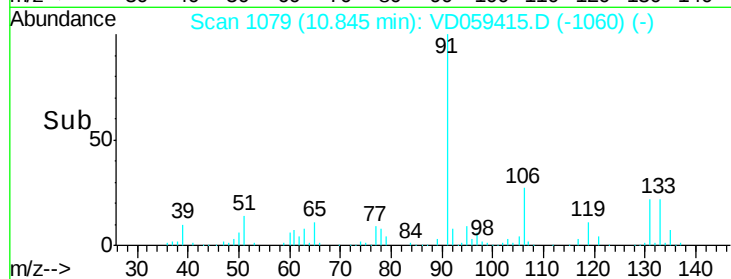
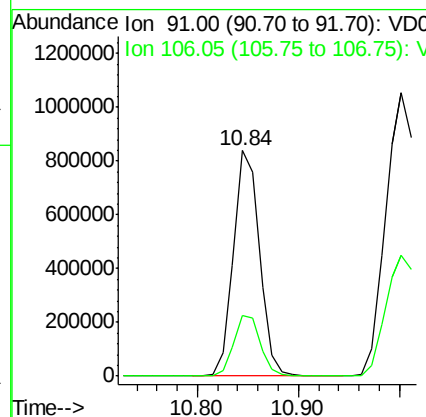
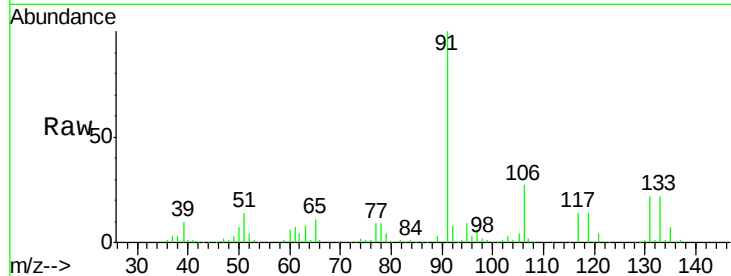




#67
Ethyl Benzene
Concen: 50.06 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

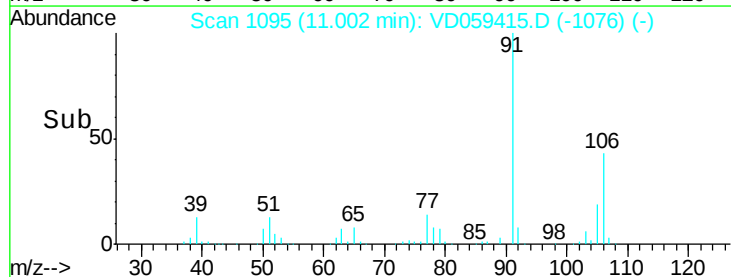
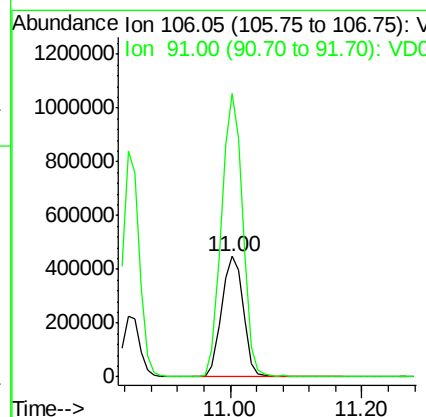
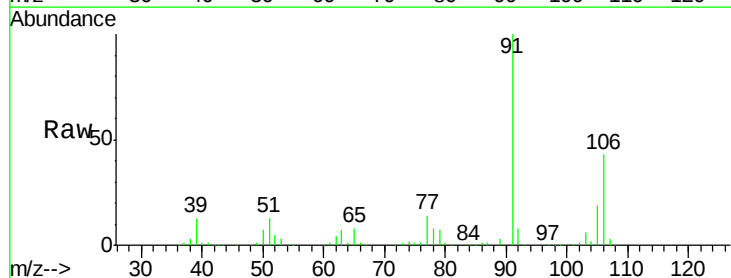
Instrument :
MSVOA_D
ClientSampleID :

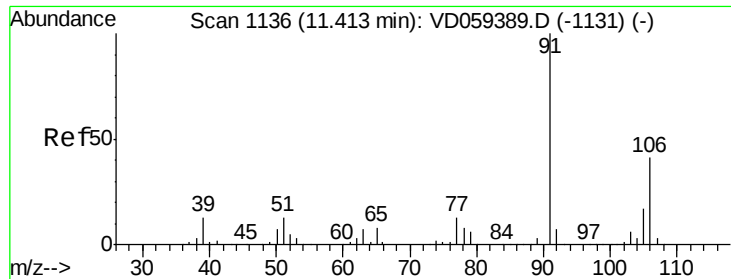
Tot Ion: 91 Resp: 1505129
Ion Ratio Lower Upper
91 100
106 27.0 22.3 33.5



#68
m/p-Xylenes
Concen: 102.66 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 106 Resp: 1024031
Ion Ratio Lower Upper
106 100
91 234.9 191.0 286.6

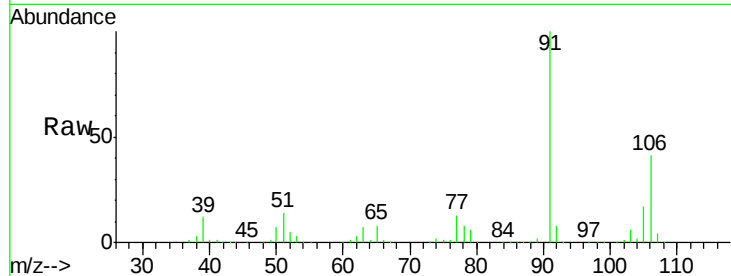




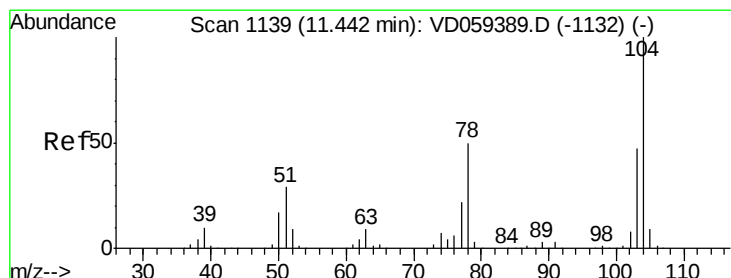
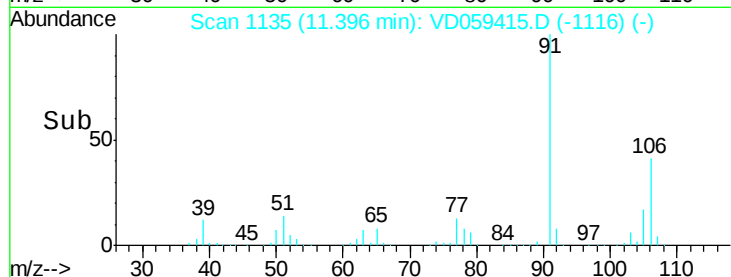
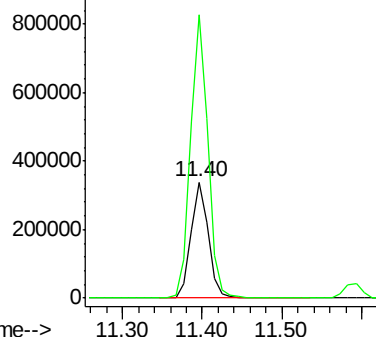
#69
o-Xylene
Concen: 53.39 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 526499
Ion Ratio Lower Upper
106 100
91 243.9 121.0 362.8

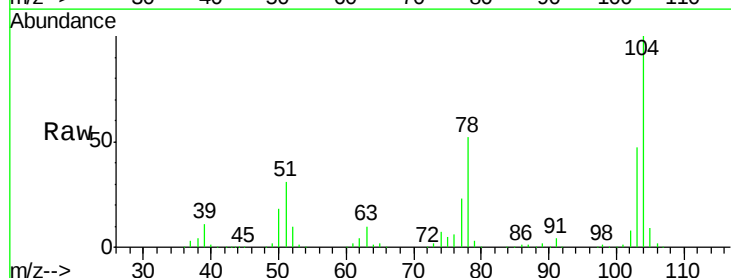


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

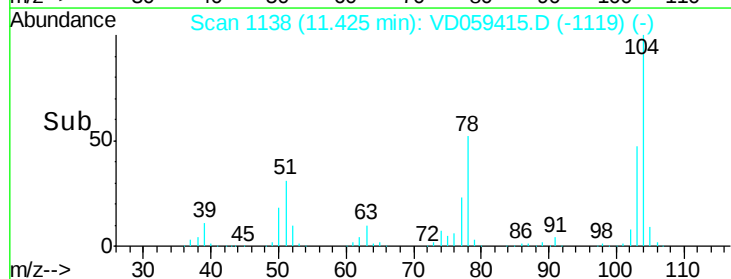
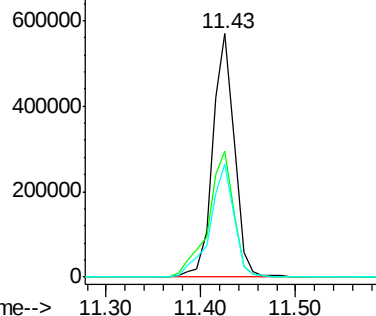


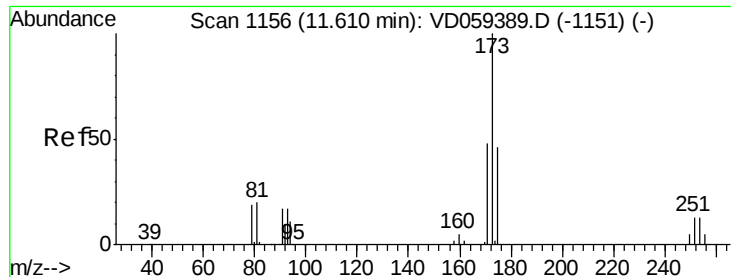
#70
Styrene
Concen: 52.82 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion:104 Resp: 892975
Ion Ratio Lower Upper
104 100
78 51.9 40.2 60.4
103 46.5 37.8 56.8



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

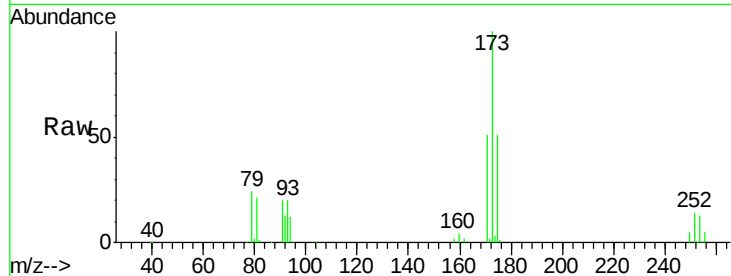




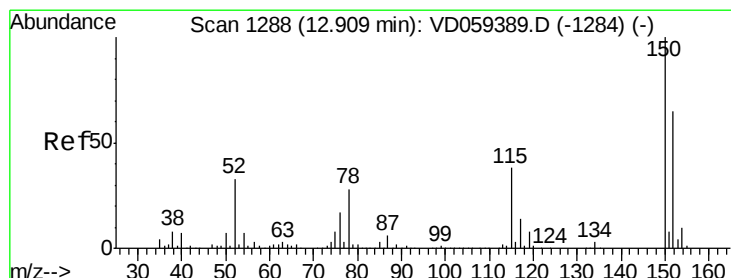
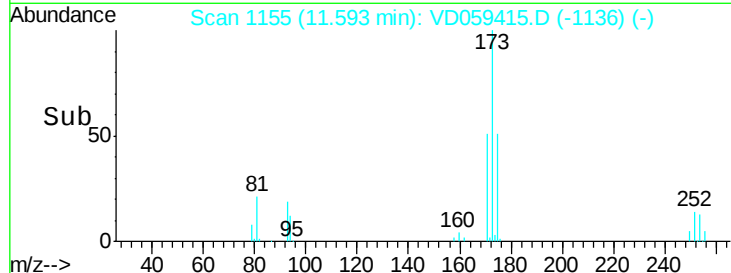
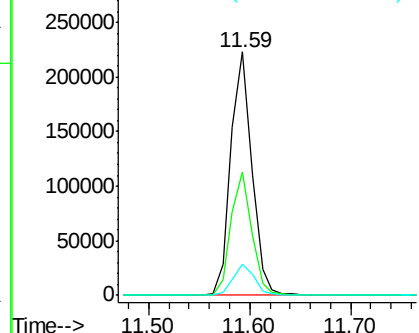
#71
Bromoform
Concen: 57.28 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 324576
Ion Ratio Lower Upper
173 100
175 50.8 22.8 68.4
254 12.6 10.1 15.1

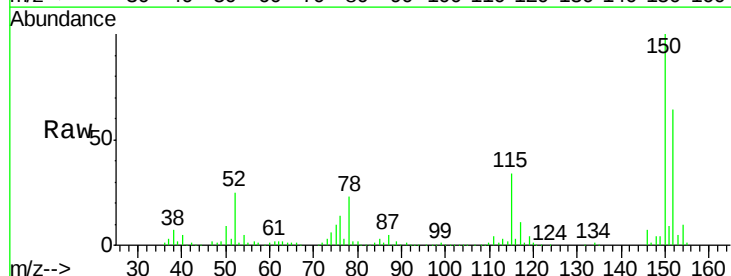


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

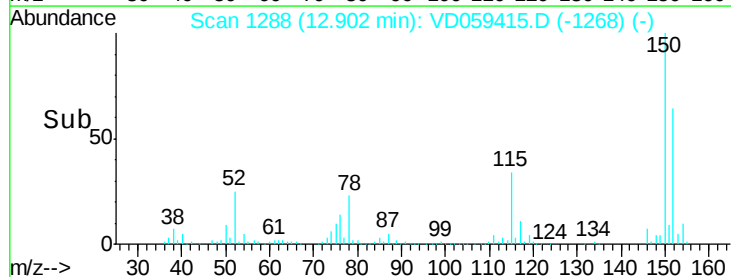
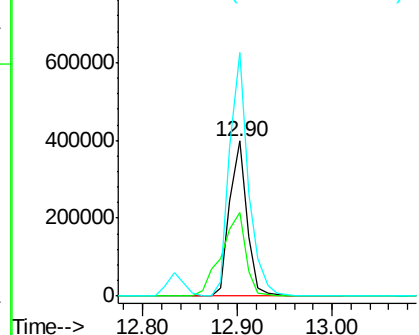


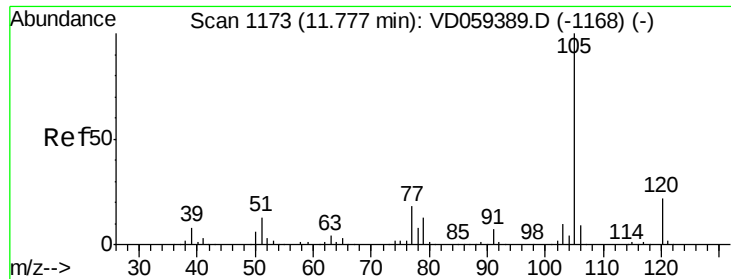
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion:152 Resp: 503248
Ion Ratio Lower Upper
152 100
115 53.7 29.4 88.3
150 157.2 0.0 308.2



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

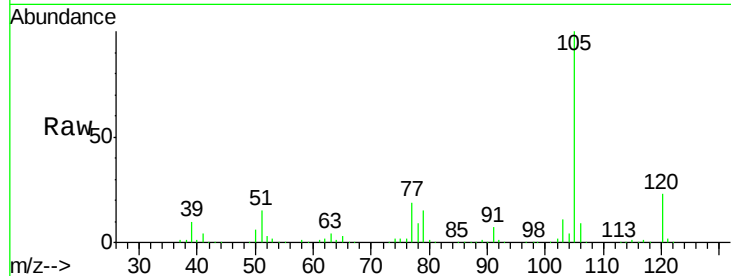




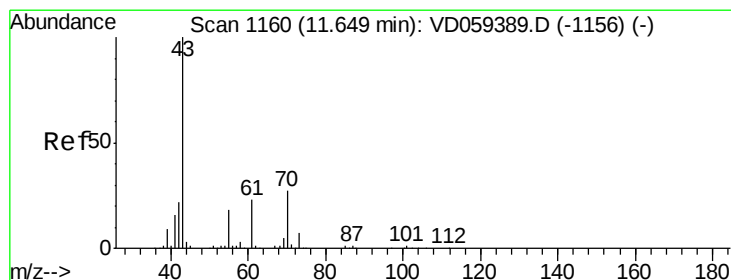
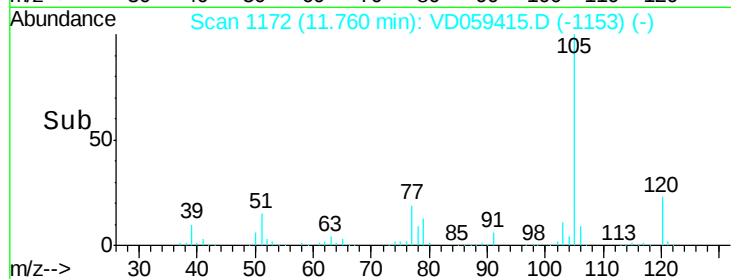
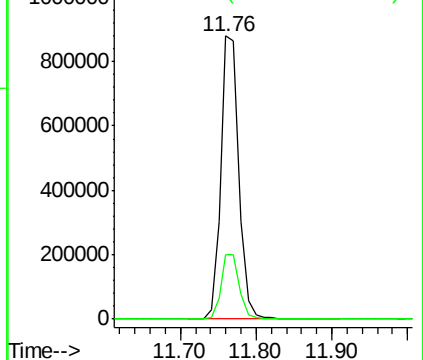
#73
Isopropylbenzene
Concen: 51.42 ug/l
RT: 11.76 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:105 Resp: 1460363
Ion Ratio Lower Upper
105 100
120 22.6 11.0 33.0

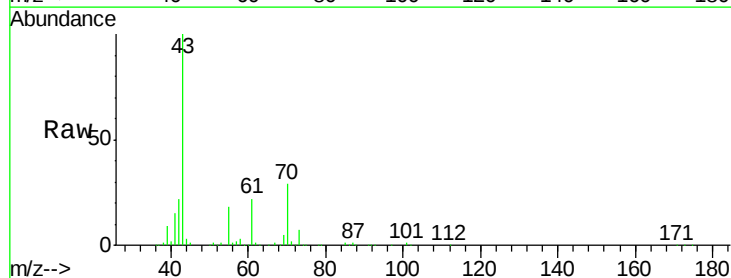


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

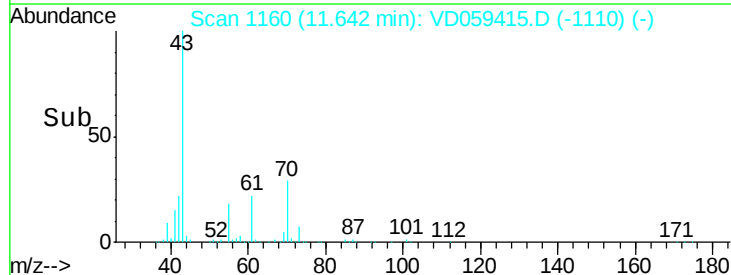
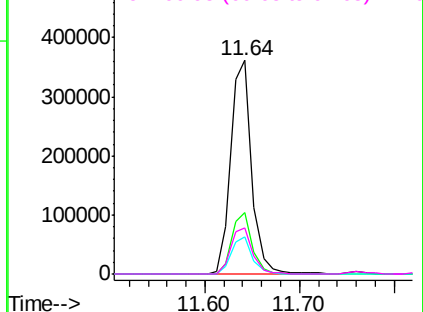


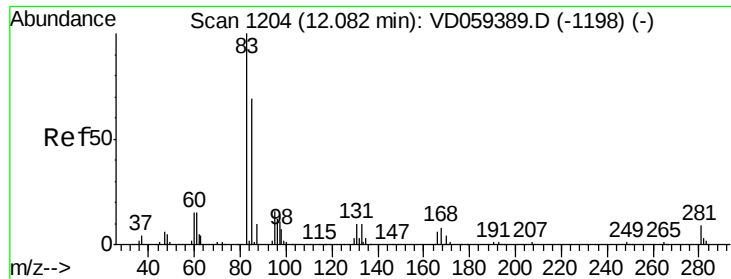
#74
N-ethyl acetate
Concen: 51.16 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 43 Resp: 552749
Ion Ratio Lower Upper
43 100
70 29.0 21.7 32.5
55 17.7 14.6 22.0
61 21.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.68 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

ClientSampleId :

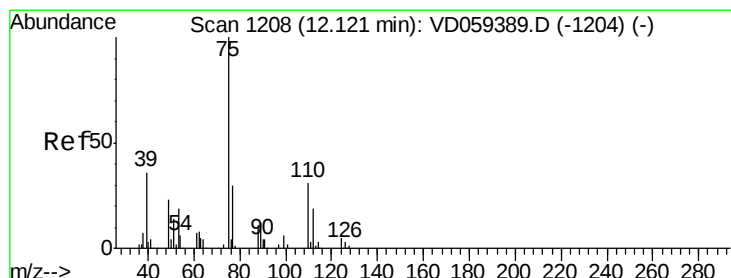
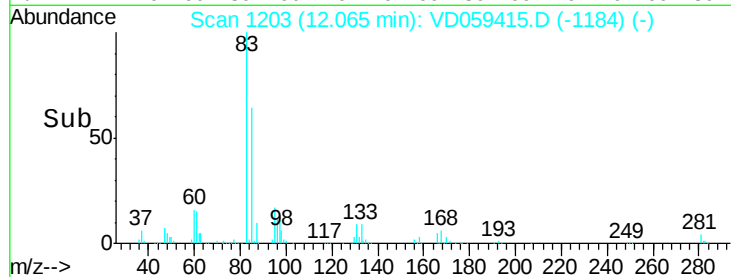
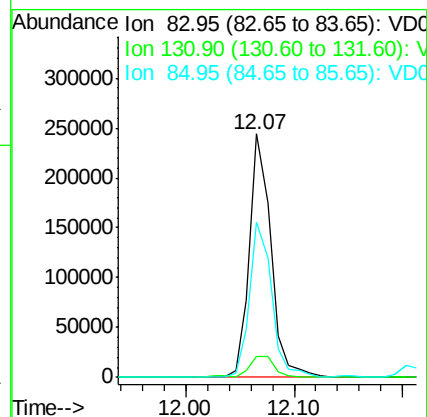
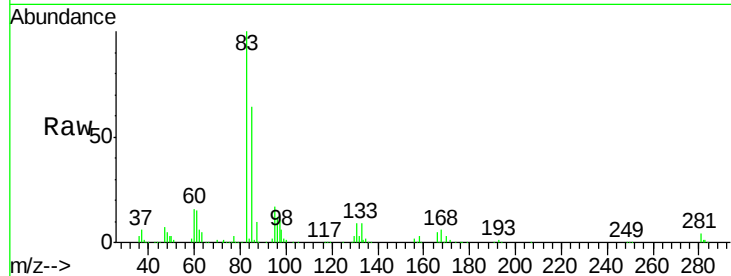
Tot Ion: 83 Resp: 337668

Ion Ratio Lower Upper

83 100

131 8.7 4.9 14.6

85 63.9 34.6 103.8



#76

1,2,3-Trichloropropane

Concen: 50.18 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059415.D

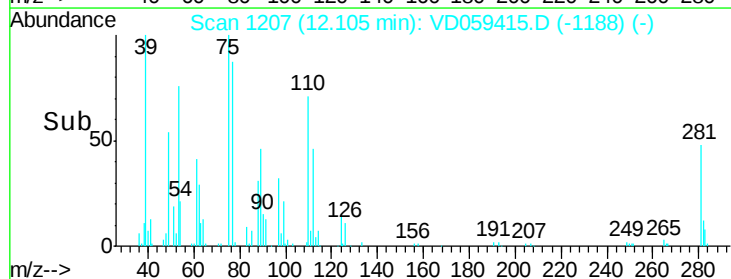
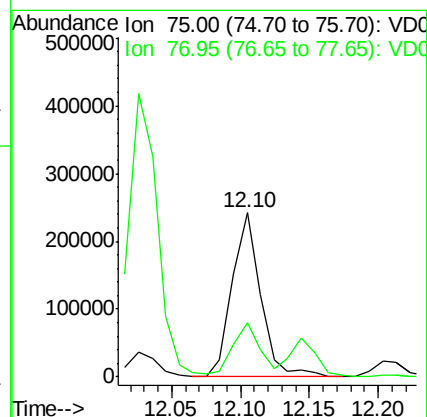
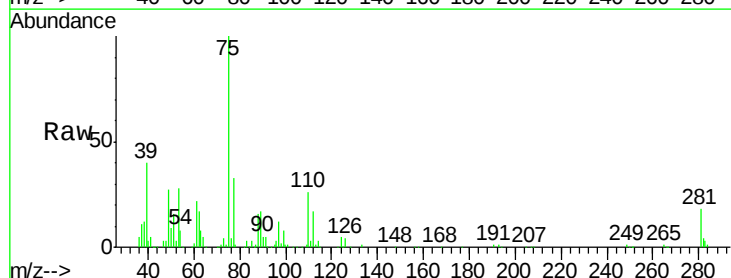
Acq: 26 Jun 2018 9:31

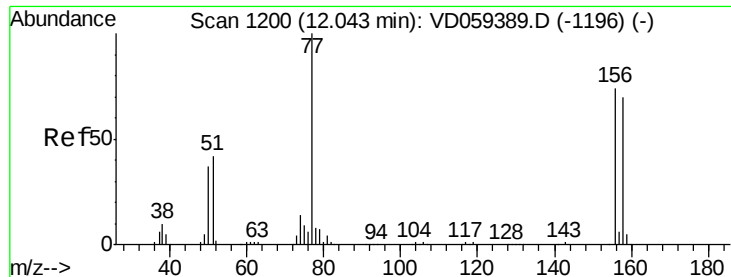
Tgt Ion: 75 Resp: 348305

Ion Ratio Lower Upper

75 100

77 33.2 15.6 46.8

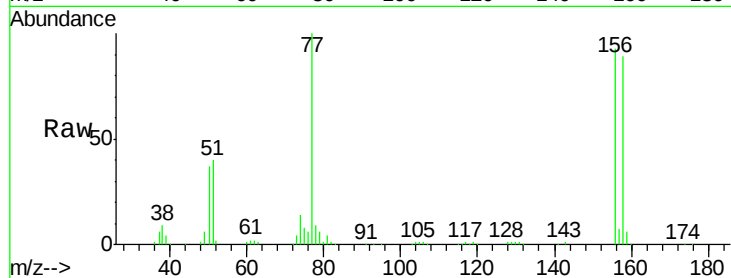




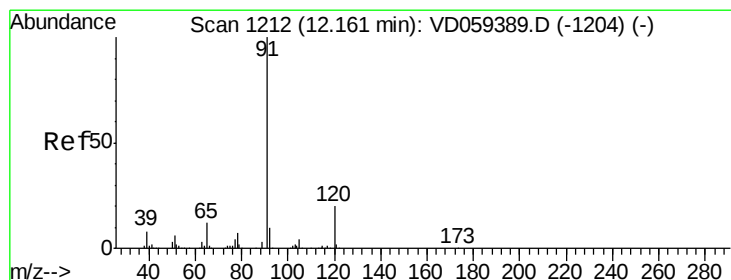
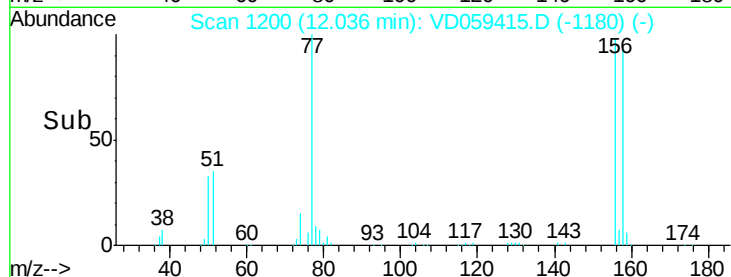
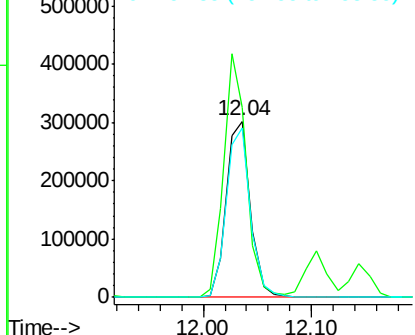
#77
Bromobenzene
Concen: 52.65 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 470607
Ion Ratio Lower Upper
156 100
77 107.8 68.0 203.8
158 95.9 47.7 143.1

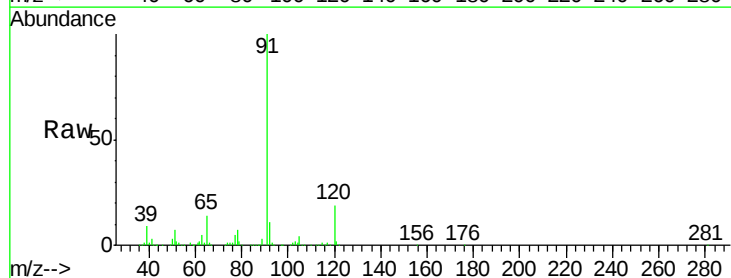


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

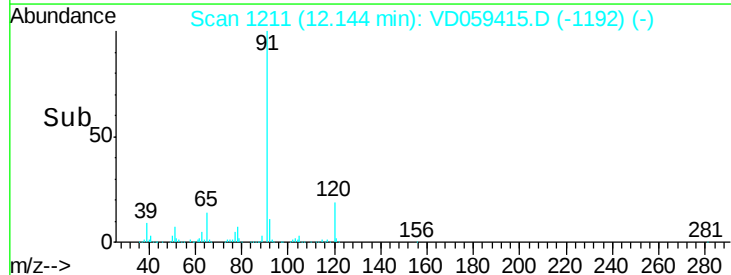
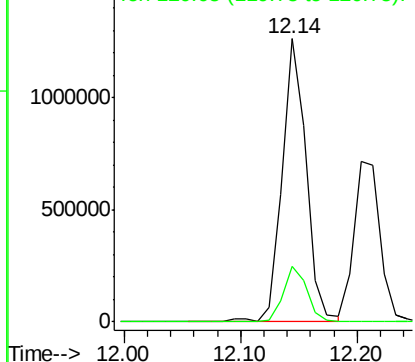


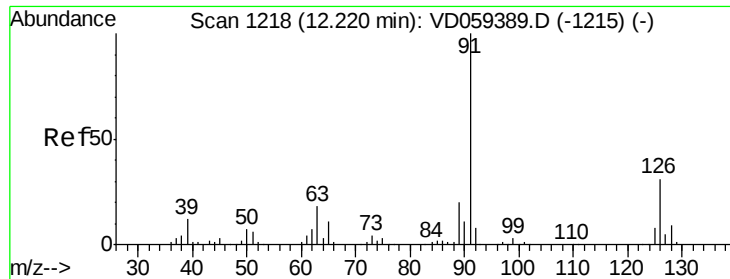
#78
n-propylbenzene
Concen: 50.06 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 91 Resp: 1800490
Ion Ratio Lower Upper
91 100
120 19.4 10.0 29.8



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

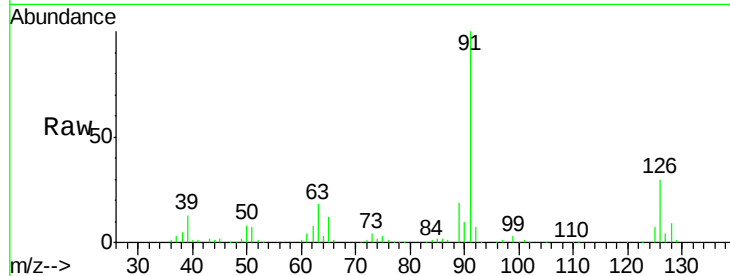




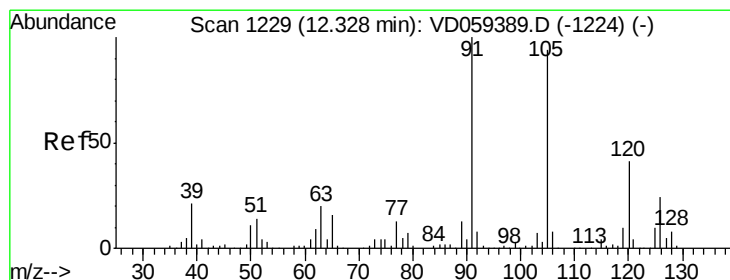
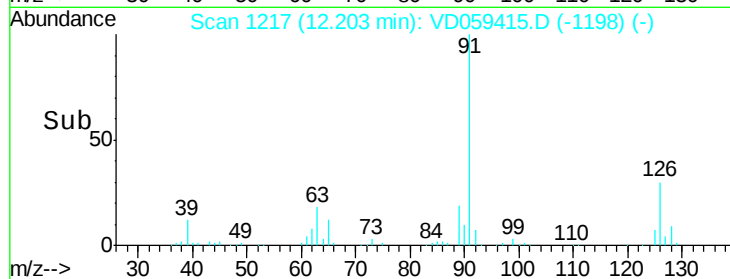
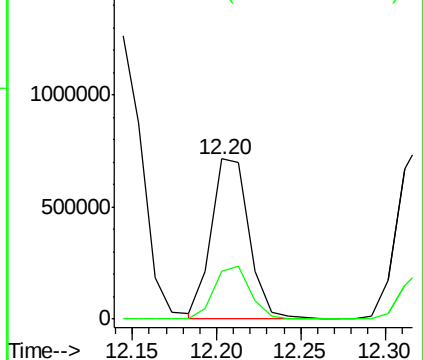
#79
 2-Chlorotoluene
 Concen: 52.79 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 1114984
 Ion Ratio Lower Upper
 91 100
 126 29.7 15.2 45.5

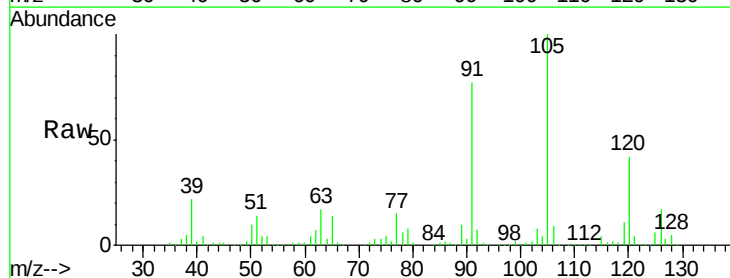


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

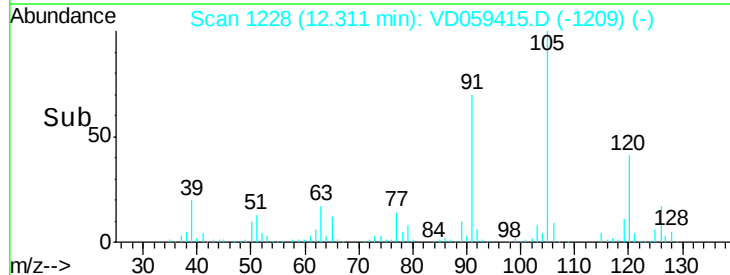
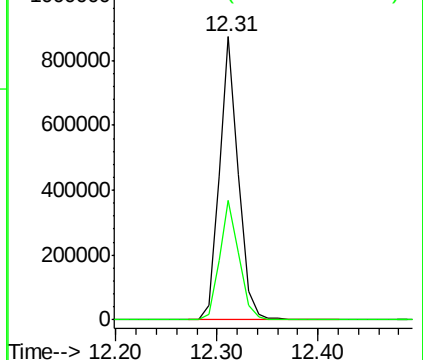


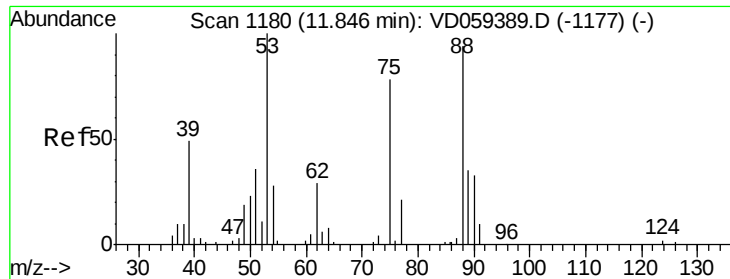
#80
 1,3,5-Trimethylbenzene
 Concen: 50.26 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Tgt Ion: 105 Resp: 1136267
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.9 65.7



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

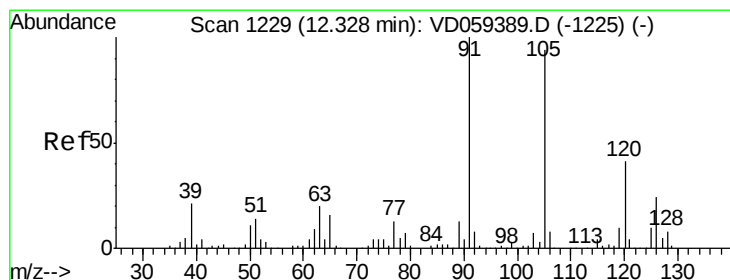
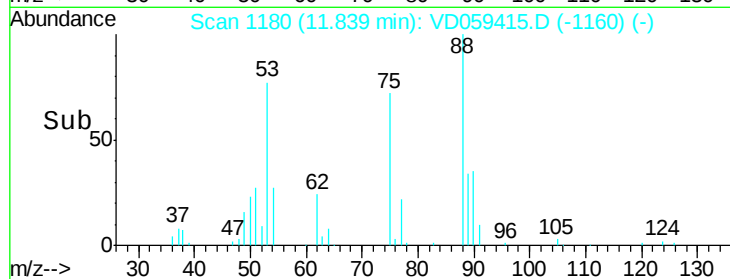
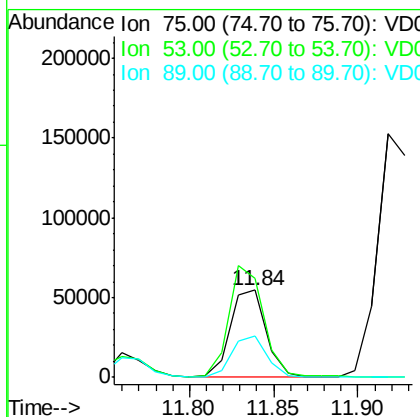
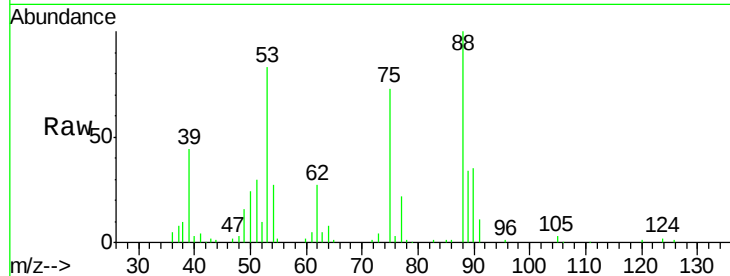




#81
trans-1,4-Dichloro-2-butene
Concen: 51.71 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

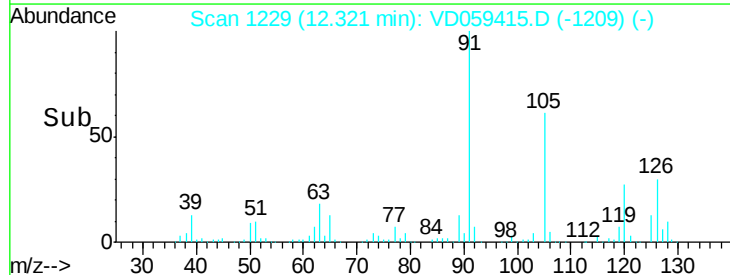
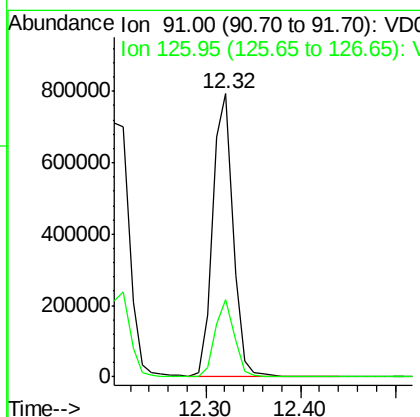
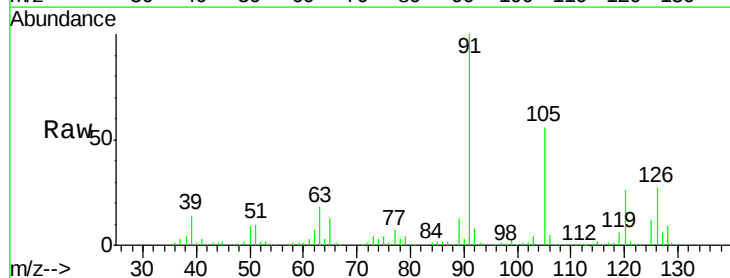
Instrument :
MSVOA_D
ClientSampleId :

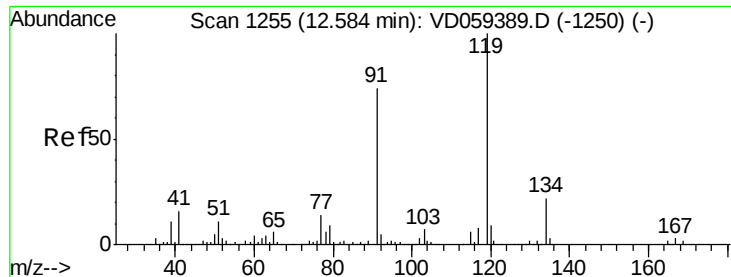
Tot Ion: 75 Resp: 81592
Ion Ratio Lower Upper
75 100
53 113.8 102.6 154.0
89 46.7 35.9 53.9



#82
4-Chlorotoluene
Concen: 49.31 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 91 Resp: 1181129
Ion Ratio Lower Upper
91 100
126 27.3 12.2 36.6

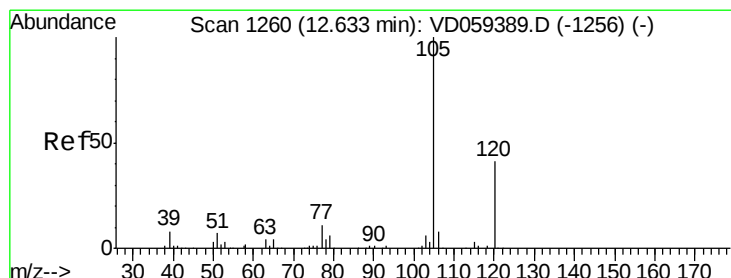
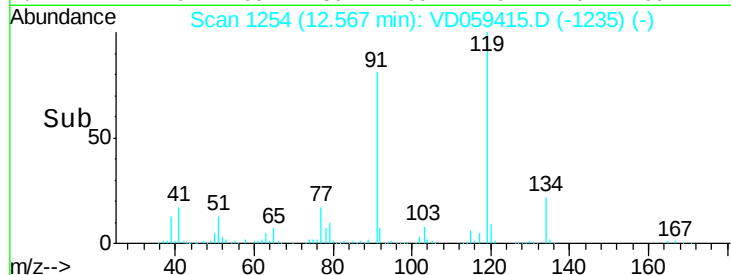
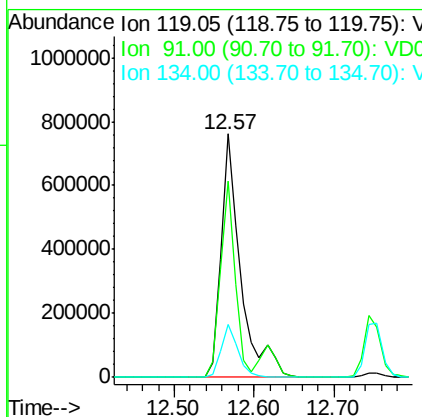
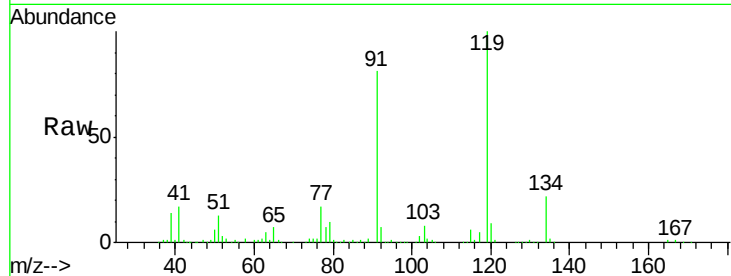




#83
tert-Butylbenzene
Concen: 54.90 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

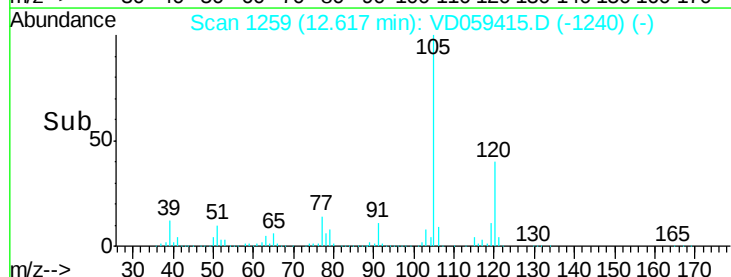
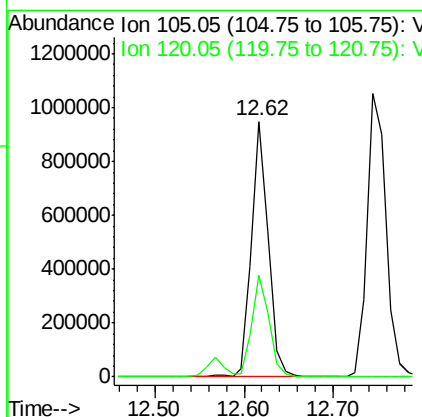
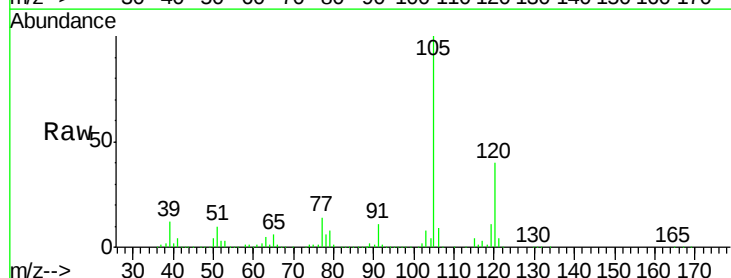
Instrument :
MSVOA_D
ClientSampled :

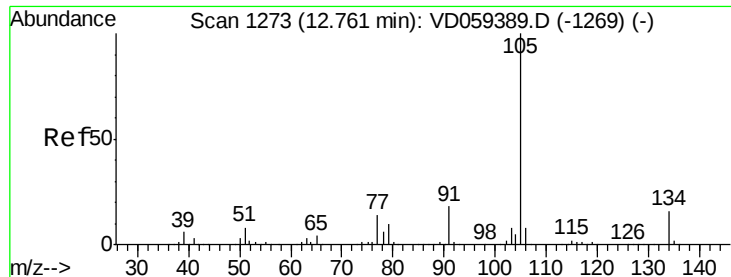
Tot Ion:119 Resp: 1320379
Ion Ratio Lower Upper
119 100
91 80.8 36.9 110.7
134 21.6 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 51.21 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion:105 Resp: 1225198
Ion Ratio Lower Upper
105 100
120 39.8 21.5 64.5





#85

sec-Butylbenzene

Concen: 51.64 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

Instrument :

MSVOA_D

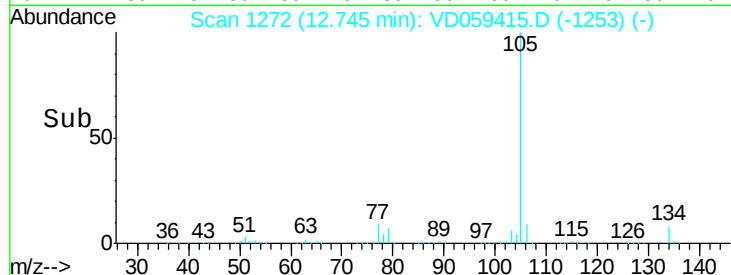
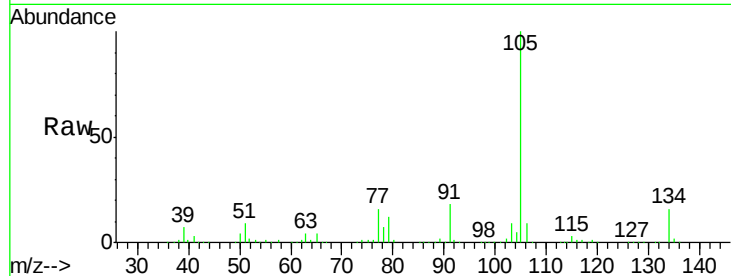
ClientSampleId :

Tot Ion:105 Resp: 1523982

Ion Ratio Lower Upper

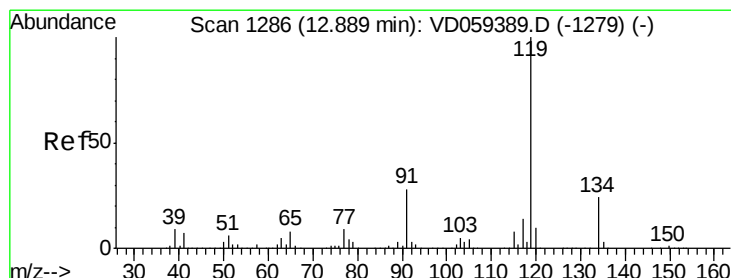
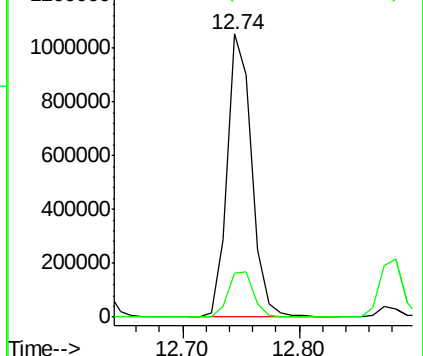
105 100

134 15.6 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: 53.56 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.02 min

Lab File: VD059415.D

Acq: 26 Jun 2018 9:31

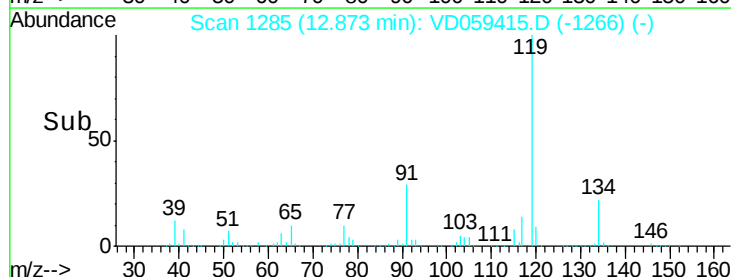
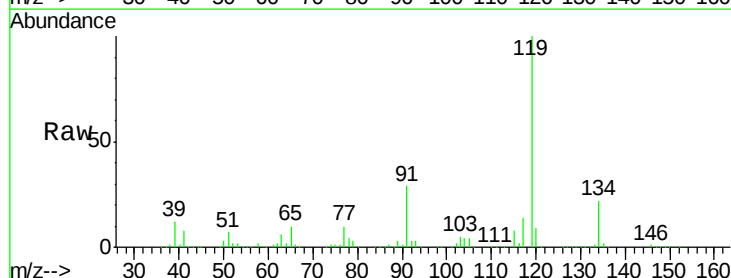
Tgt Ion:119 Resp: 1274059

Ion Ratio Lower Upper

119 100

134 21.7 11.9 35.5

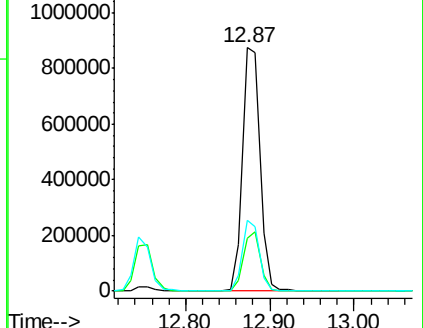
91 29.3 14.1 42.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

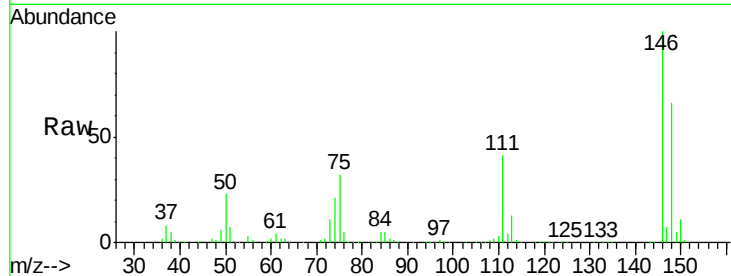




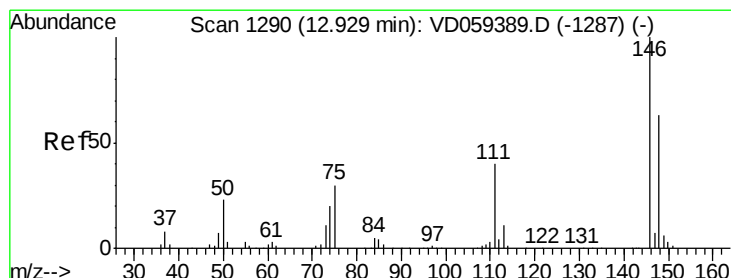
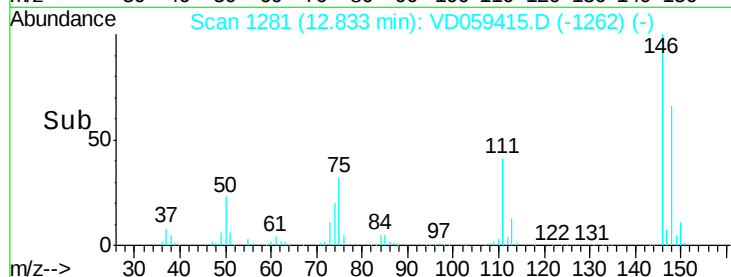
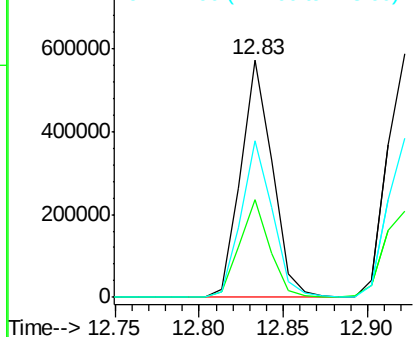
#87
 1,3-Dichlorobenzene
 Concen: 50.88 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 748242
 Ion Ratio Lower Upper
 146 100
 111 40.9 17.6 52.8
 148 65.7 32.4 97.2

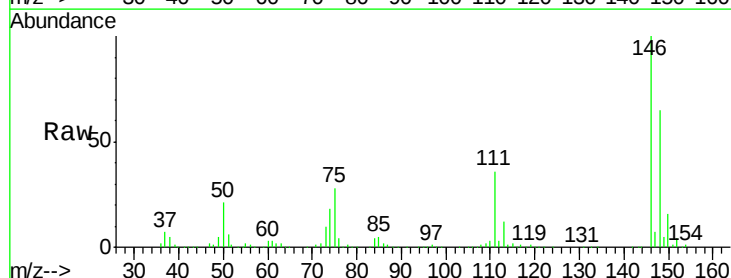


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

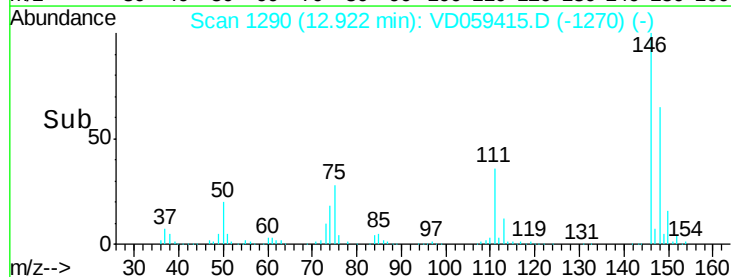
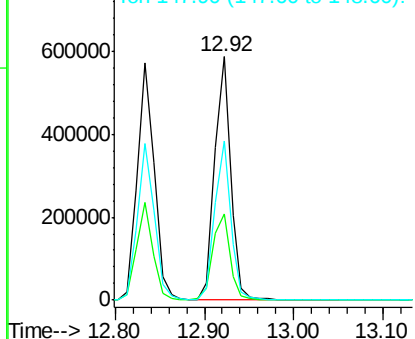


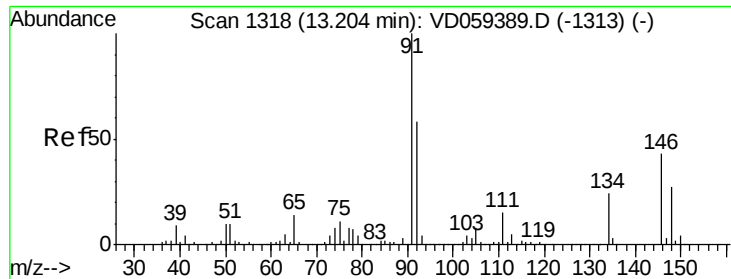
#88
 1,4-Dichlorobenzene
 Concen: 51.02 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Tgt Ion:146 Resp: 740303
 Ion Ratio Lower Upper
 146 100
 111 35.6 20.1 60.2
 148 65.5 31.4 94.0



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

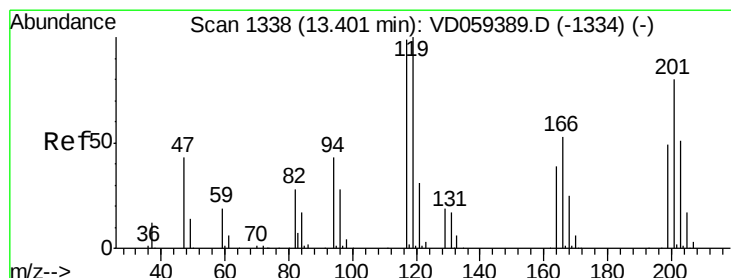
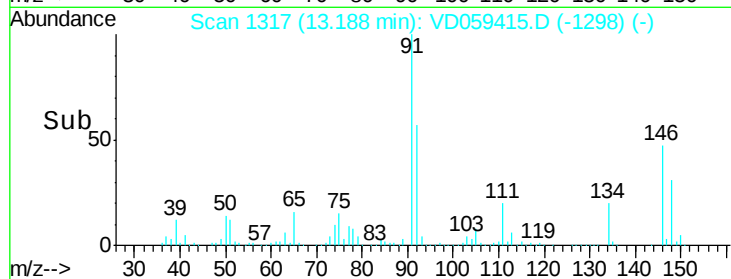
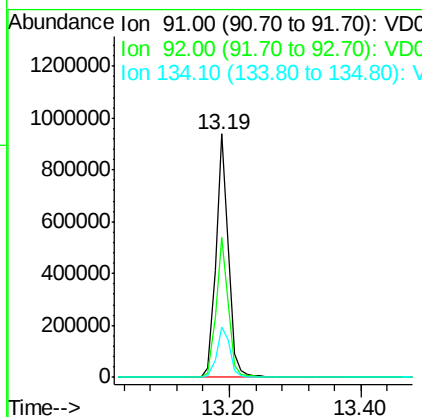
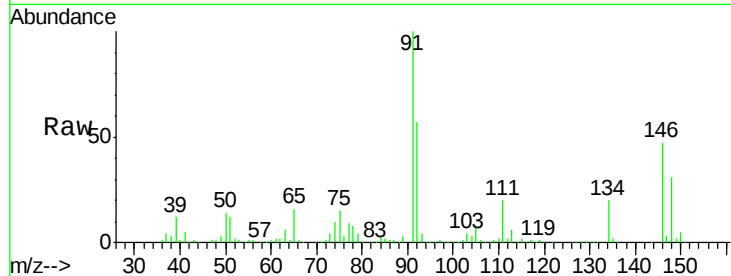




#89
n-Butylbenzene
Concen: 51.67 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

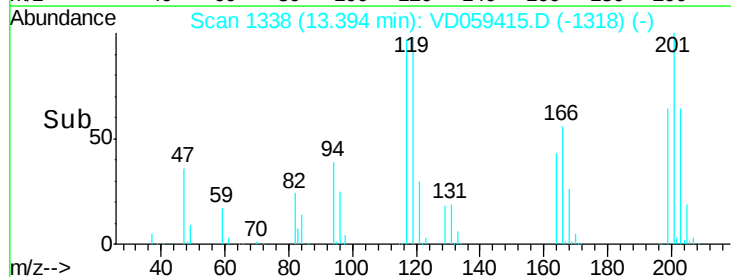
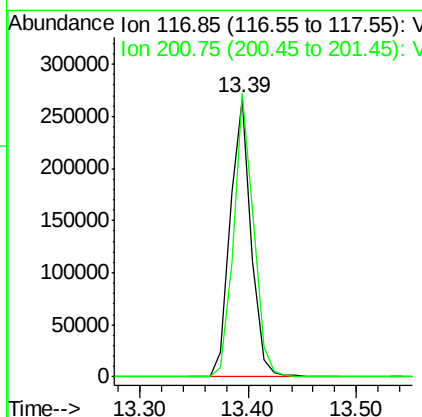
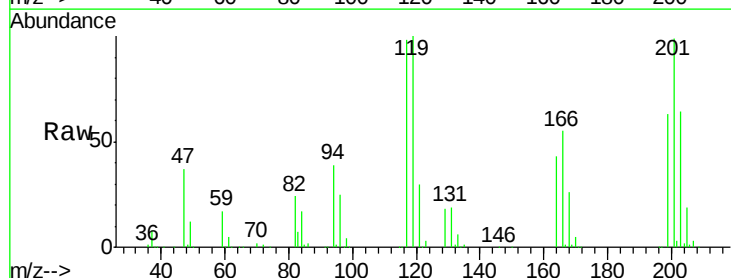
Instrument :
MSVOA_D
ClientSampled :

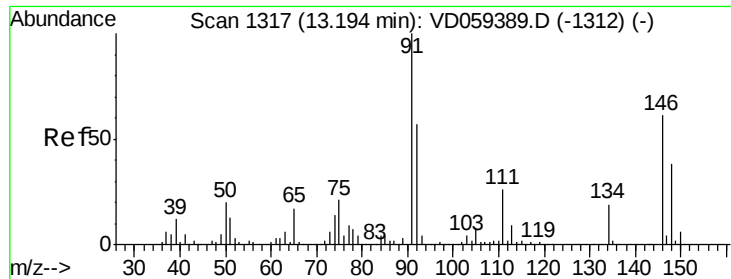
Tot Ion: 91 Resp: 1213080
Ion Ratio Lower Upper
91 100
92 57.2 28.8 86.5
134 20.4 11.9 35.7



#90
Hexachloroethane
Concen: 60.20 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion: 117 Resp: 357268
Ion Ratio Lower Upper
117 100
201 101.6 40.1 120.3

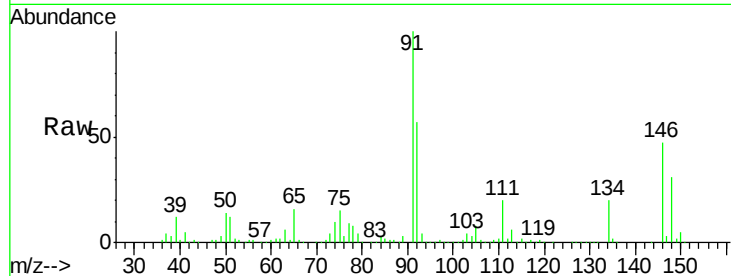




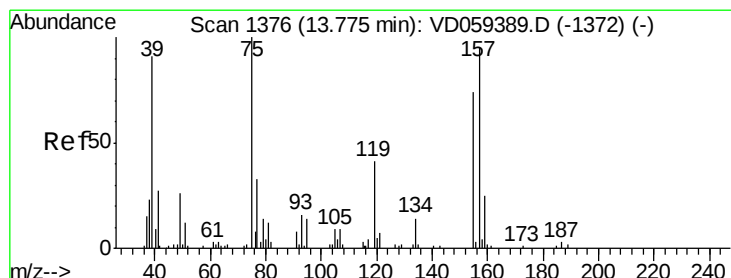
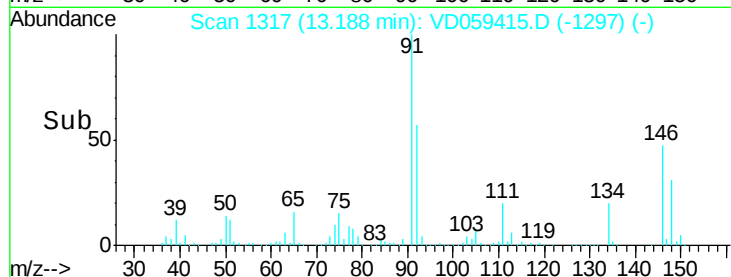
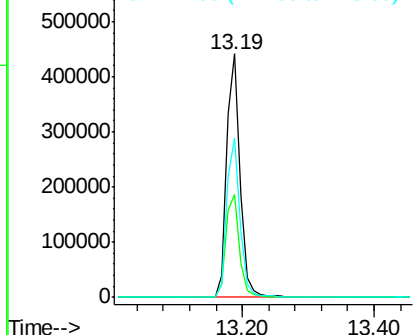
#91
 1,2-Dichlorobenzene
 Concen: 51.05 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 636528
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.4 64.2
 148 65.6 31.6 95.0

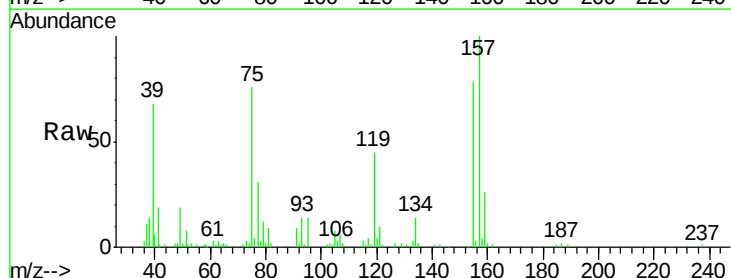


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

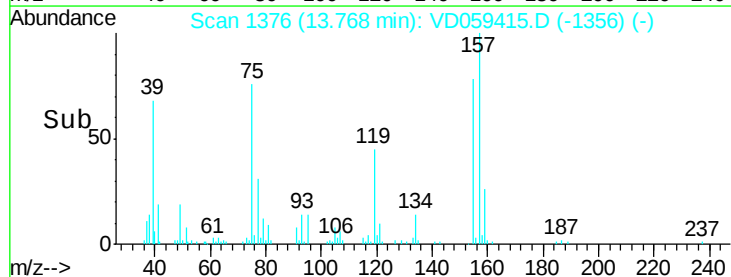
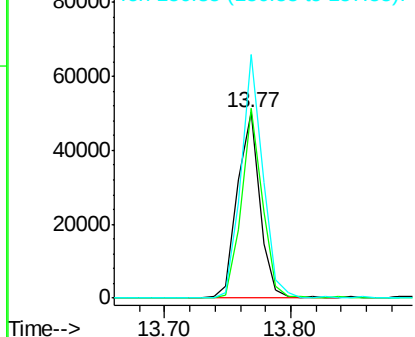


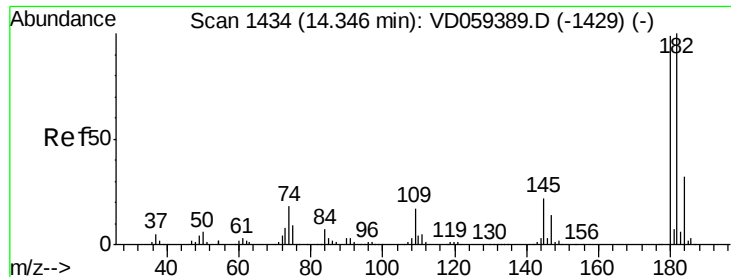
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.78 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Tgt Ion: 75 Resp: 61285
 Ion Ratio Lower Upper
 75 100
 155 102.1 37.2 111.6
 157 131.1 47.4 142.2



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

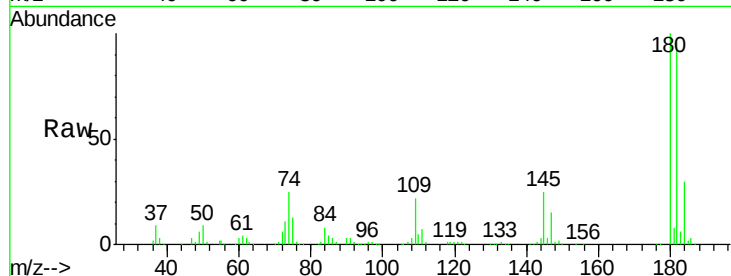




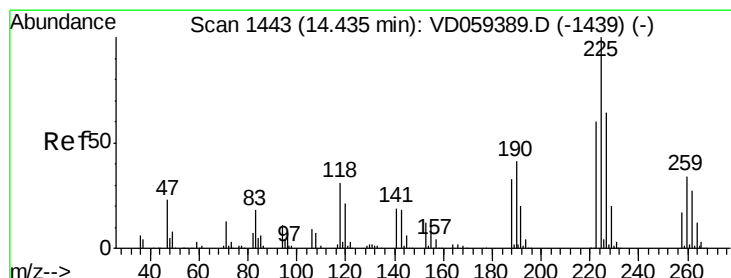
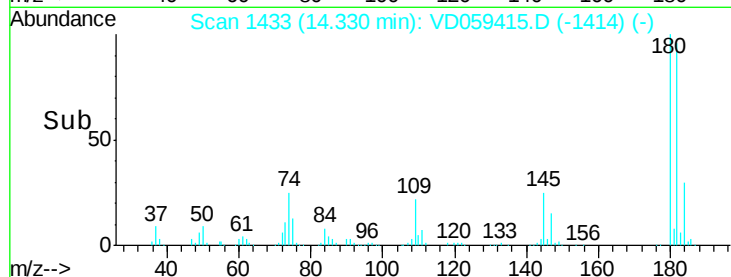
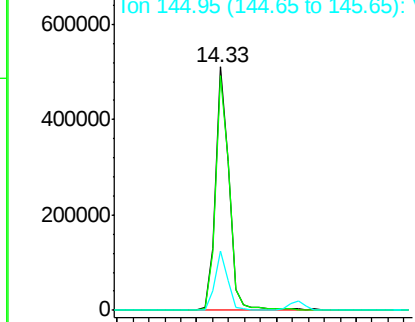
#93
 1,2,4-Trichlorobenzene
 Concen: 53.77 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 619807
 Ion Ratio Lower Upper
 180 100
 182 96.2 50.4 151.2
 145 24.5 11.0 33.0

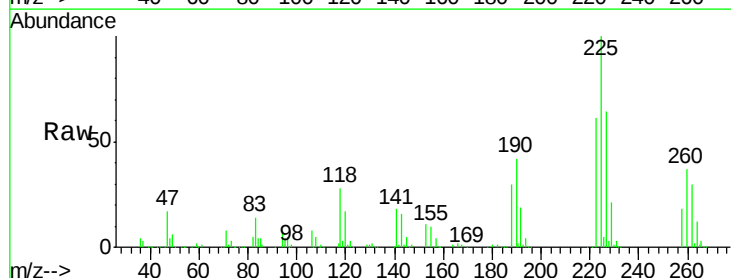


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

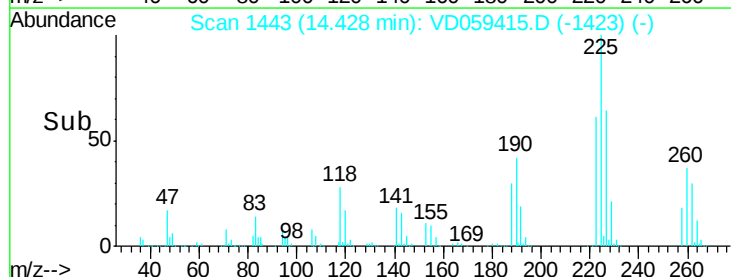
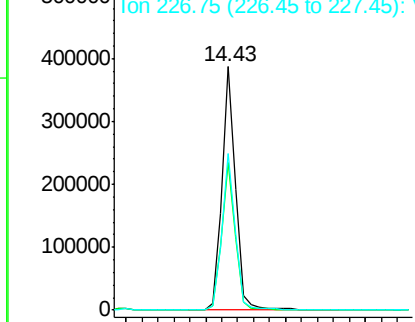


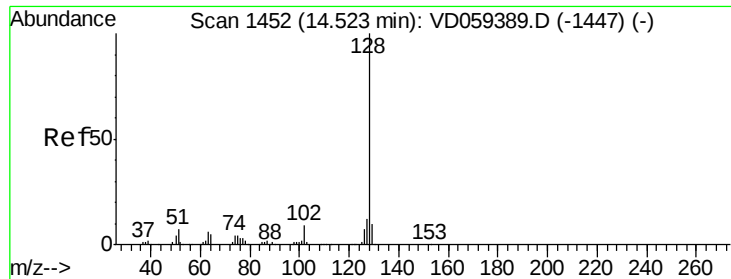
#94
 Hexachlorobutadiene
 Concen: 54.38 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059415.D
 Acq: 26 Jun 2018 9:31

Tgt Ion:225 Resp: 471664
 Ion Ratio Lower Upper
 225 100
 223 60.7 30.0 90.1
 227 64.5 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

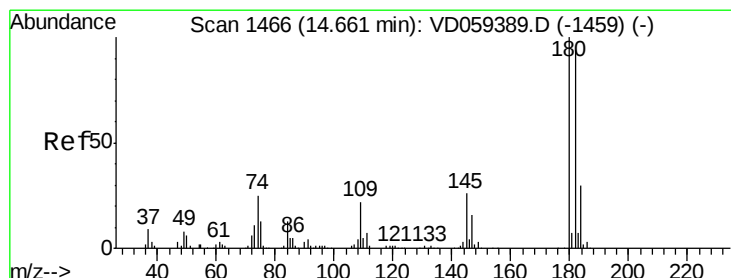
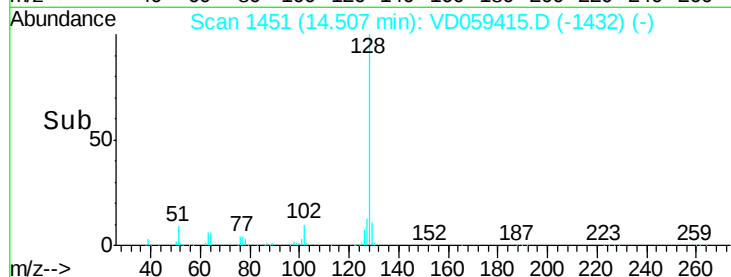
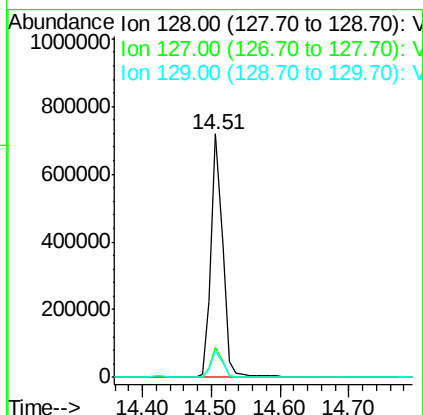
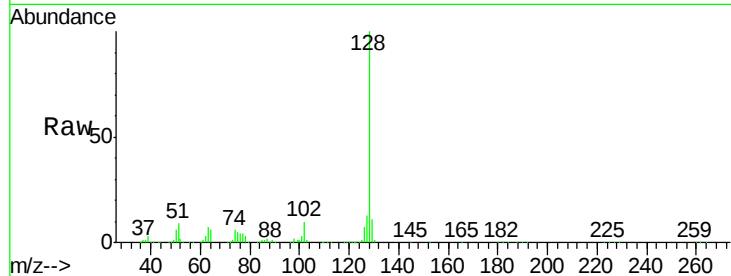




#95
Naphthalene
Concen: 53.26 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.02 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 855563
Ion Ratio Lower Upper
128 100
127 12.5 9.6 14.4
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 53.94 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059415.D
Acq: 26 Jun 2018 9:31

Tgt Ion:180 Resp: 559019
Ion Ratio Lower Upper
180 100
182 96.6 47.1 141.4
145 24.8 13.1 39.3

