

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059999.D
 Acq On : 13 Sep 2018 16:15
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 16:49:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1656734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2258438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1800231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	962465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	631185	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	6.30	113	871198	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	9.44	98	2489933	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.42	95	934386	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	861233	49.247	ug/l	100
3) Chloromethane	1.74	50	804612	52.086	ug/l	99
4) Vinyl Chloride	1.84	62	636028	51.217	ug/l	100
5) Bromomethane	2.12	94	117212	79.740	ug/l	97
6) Chloroethane	2.23	64	199859	71.987	ug/l	99
7) Trichlorofluoromethane	2.49	101	757907	55.435	ug/l	97
8) Diethyl Ether	2.80	74	156395	53.812	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	453965	52.656	ug/l	98
10) Methyl Iodide	3.22	142	457923	50.150	ug/l	96
11) Tert butyl alcohol	3.94	59	245568	235.557	ug/l	99
12) 1,1-Dichloroethene	3.05	96	364007	53.399	ug/l	98
13) Acrolein	2.96	56	142287	220.401	ug/l	97
14) Allyl chloride	3.51	41	764620	53.187	ug/l	98
15) Acrylonitrile	4.06	53	984683	250.228	ug/l	98
16) Acetone	3.14	43	625310	250.684	ug/l	99
17) Carbon Disulfide	3.29	76	1268807	54.021	ug/l	98
18) Methyl Acetate	3.53	43	257761	50.811	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1583523	50.276	ug/l	100
20) Methylene Chloride	3.69	84	911779	51.603	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	906090	50.652	ug/l	95
22) Diisopropyl ether	4.83	45	3334677	50.852	ug/l	97
23) Vinyl Acetate	4.78	43	9525997	256.417	ug/l	99
24) 1,1-Dichloroethane	4.73	63	1522670	51.743	ug/l	100
25) 2-Butanone	5.60	43	1559133	231.630	ug/l	98
26) 2,2-Dichloropropane	5.57	77	1175150	51.364	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	946783	50.598	ug/l	99
28) Bromochloromethane	5.90	49	701431	49.587	ug/l	96
29) Tetrahydrofuran	5.93	42	871416	241.401	ug/l	99
30) Chloroform	6.08	83	1499794	50.256	ug/l	99
31) Cyclohexane	6.34	56	1390417	48.459	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	1271857	51.385	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1105147	49.262	ug/l	100
37) Ethyl Acetate	5.67	43	744392	48.251	ug/l	97
38) Carbon Tetrachloride	6.48	117	1071759	51.177	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059999.D
 Acq On : 13 Sep 2018 16:15
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 16:49:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1320493	52.033	ug/l	97
40) Benzene	6.78	78	2926206	51.176	ug/l	100
41) Methacrylonitrile	5.92	41	885834	109.630	ug/l #	87
42) 1,2-Dichloroethane	6.87	62	870966	50.730	ug/l	98
43) Isopropyl Acetate	8.33	43	1044941	50.588	ug/l #	100
44) Trichloroethene	7.72	130	901074	51.005	ug/l	99
45) 1,2-Dichloropropane	8.09	63	777721	50.866	ug/l	99
46) Dibromomethane	8.20	93	513980	51.522	ug/l	92
47) Bromodichloromethane	8.48	83	1094518	50.888	ug/l	100
48) Methyl methacrylate	8.23	41	596856	51.882	ug/l	99
49) 1,4-Dioxane	8.21	88	111112	972.429	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	3195558	232.838	ug/l	100
52) Toluene	9.53	92	1887889	51.510	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	1031406	51.416	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1236345	51.584	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	617522	48.527	ug/l	97
56) Ethyl methacrylate	10.01	69	724543	51.333	ug/l	99
57) 1,3-Dichloropropane	10.37	76	955285	50.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1745969	256.165	ug/l	98
59) 2-Hexanone	10.48	43	2327271	237.875	ug/l	100
60) Dibromochloromethane	10.62	129	801550	51.751	ug/l	99
61) 1,2-Dibromoethane	10.74	107	667092	50.774	ug/l	97
64) Tetrachloroethene	10.24	164	828757	52.178	ug/l	99
65) Chlorobenzene	11.30	112	2050432	52.977	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	701352	53.726	ug/l	97
67) Ethyl Benzene	11.42	91	3326868	53.413	ug/l	99
68) m/p-Xylenes	11.56	106	2508170	109.034	ug/l	100
69) o-Xylene	11.92	106	1246354	54.681	ug/l	98
70) Styrene	11.95	104	2109434	55.041	ug/l	98
71) Bromoform	12.11	173	610846	54.463	ug/l	98
73) Isopropylbenzene	12.27	105	3323827	52.656	ug/l	100
74) N-amyl acetate	12.13	43	1282870	51.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	737242	51.484	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	759934	51.698	ug/l	98
77) Bromobenzene	12.53	156	969498	53.319	ug/l	98
78) n-propylbenzene	12.63	91	4147101	52.245	ug/l	100
79) 2-Chlorotoluene	12.70	91	2250558	50.233	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2535535	52.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	229257	51.666	ug/l	99
82) 4-Chlorotoluene	12.80	91	2532128	51.406	ug/l	99
83) tert-Butylbenzene	13.04	119	2914739	52.002	ug/l	91
84) 1,2,4-Trimethylbenzene	13.08	105	2640684	51.146	ug/l	100
85) sec-Butylbenzene	13.21	105	3510653	52.764	ug/l	99
86) p-Isopropyltoluene	13.34	119	2823268	52.464	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1617795	51.164	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	1654123	51.576	ug/l	95
89) n-Butylbenzene	13.64	91	2722402	54.985	ug/l	95
90) Hexachloroethane	13.85	117	727133	54.555	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1364185	54.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102915	47.143	ug/l	97

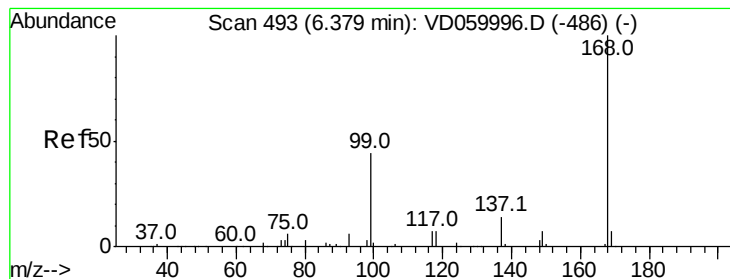
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
Data File : VD059999.D
Acq On : 13 Sep 2018 16:15
Operator : JC/SY
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 13 16:49:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1217507	54.033	ug/l	97
94) Hexachlorobutadiene	14.88	225	777122	52.137	ug/l	99
95) Naphthalene	14.96	128	1776831	51.060	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1004239	50.573	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

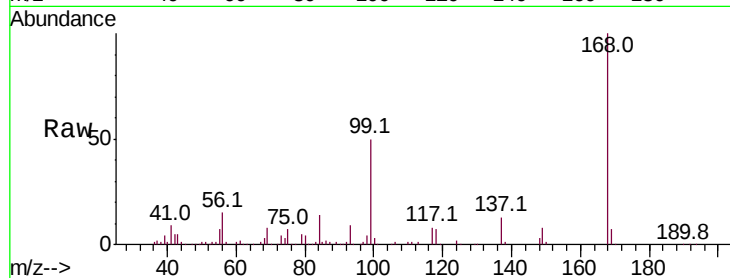
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1656734

Ion Ratio Lower Upper

168 100

99 49.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

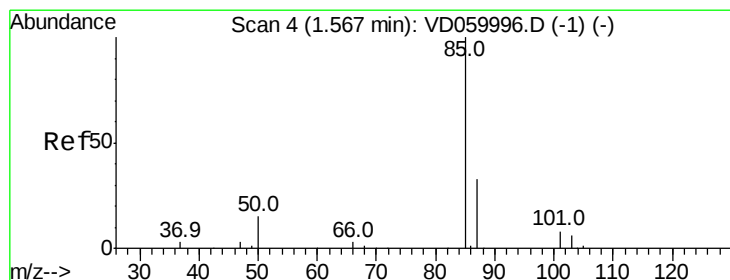
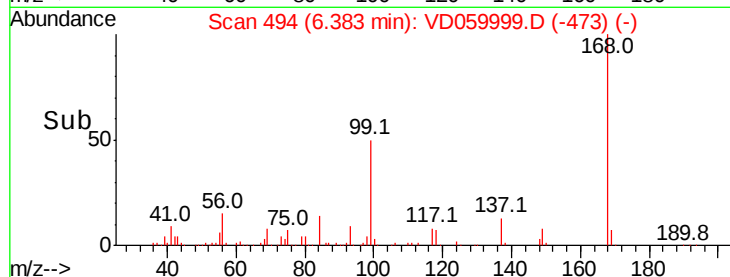
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.247 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD059999.D

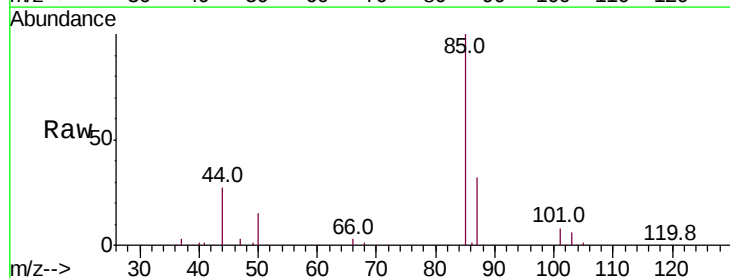
Acq: 13 Sep 2018 16:15

Tgt Ion: 85 Resp: 861233

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

500000

400000

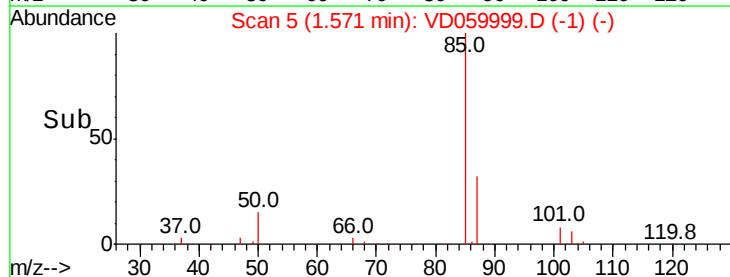
300000

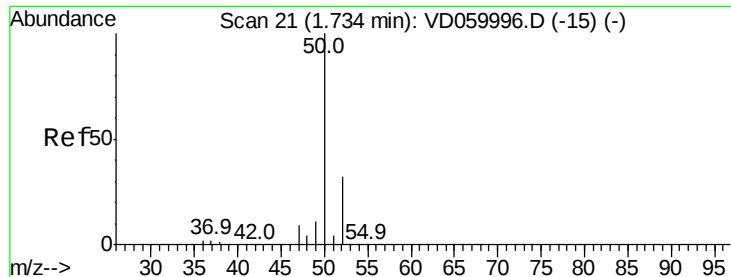
200000

100000

0

Time-->





#3

Chloromethane

Concen: 52.086 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

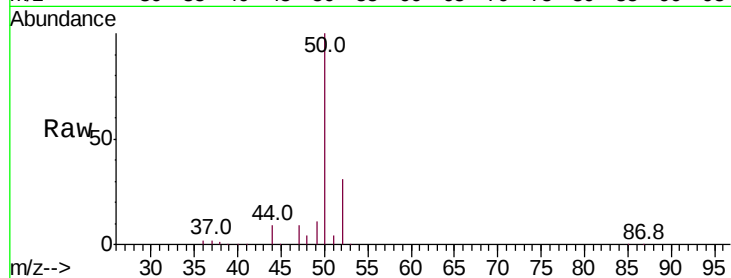
ClientSampleId :

Tot Ion: 50 Resp: 804612

Ion Ratio Lower Upper

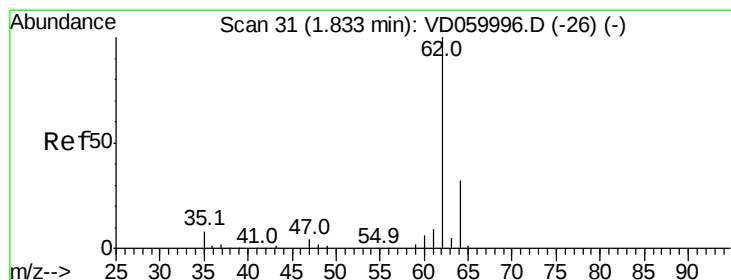
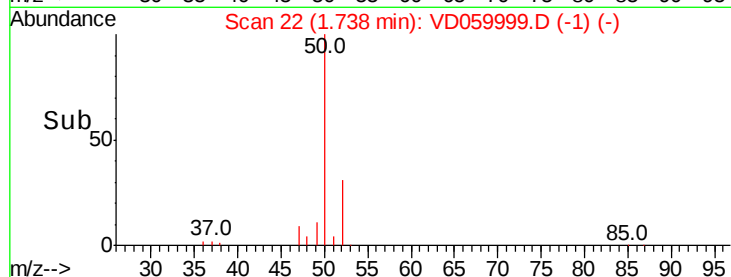
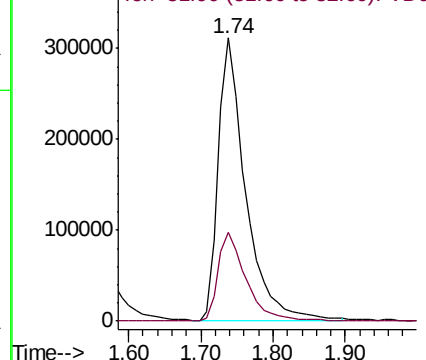
50 100

52 31.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.217 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD059999.D

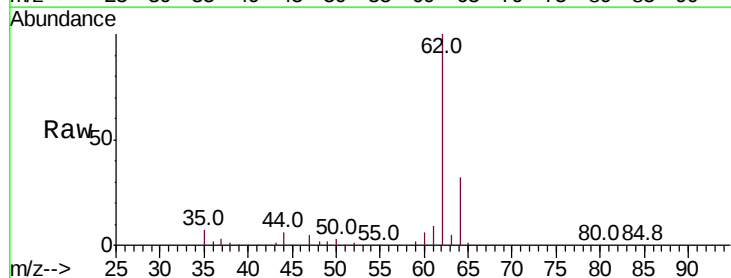
Acq: 13 Sep 2018 16:15

Tgt Ion: 62 Resp: 636028

Ion Ratio Lower Upper

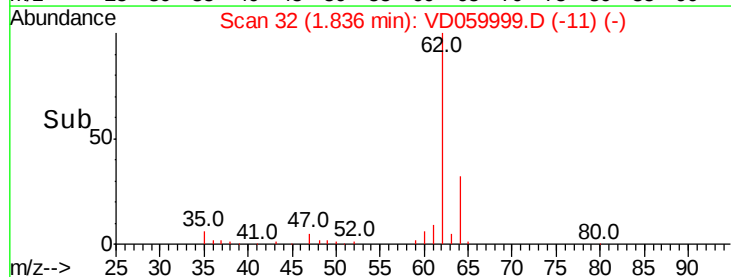
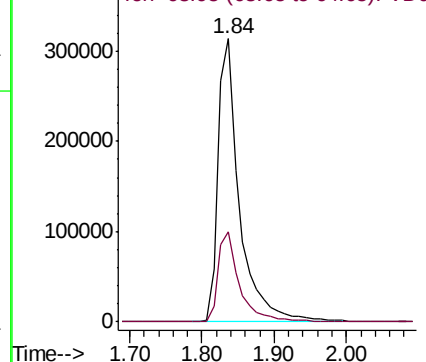
62 100

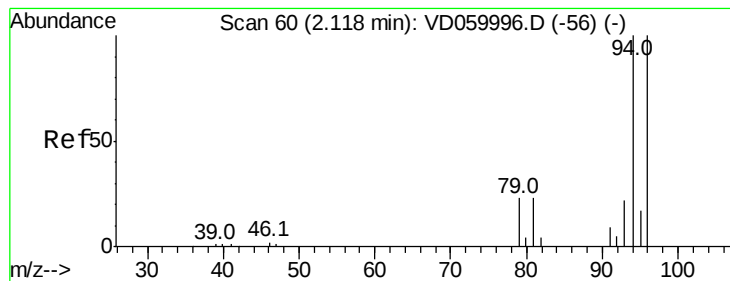
64 31.6 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 79.740 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

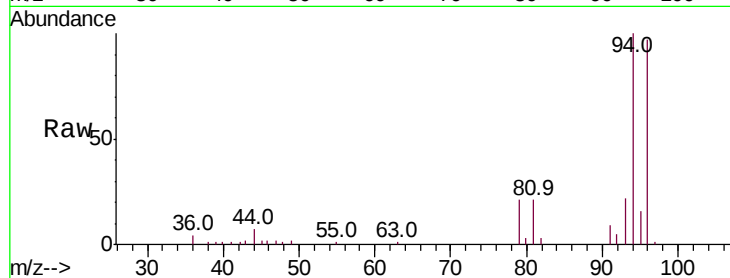
ClientSampleId :

Tot Ion: 94 Resp: 117212

Ion Ratio Lower Upper

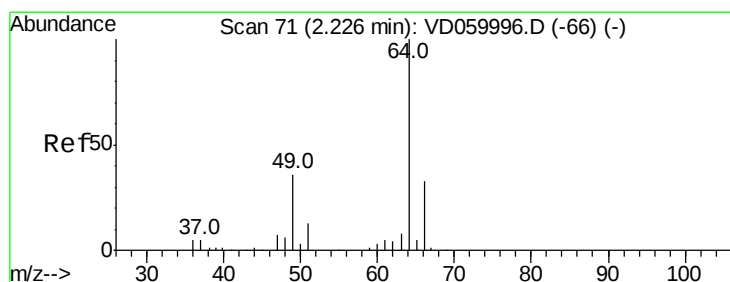
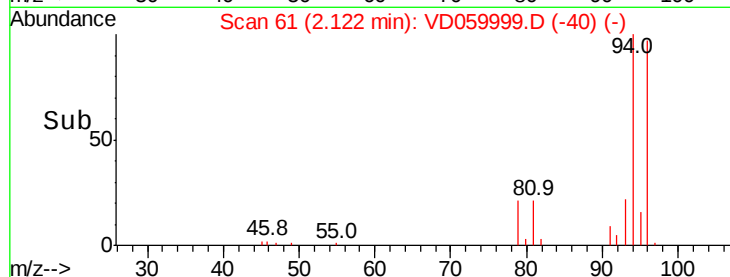
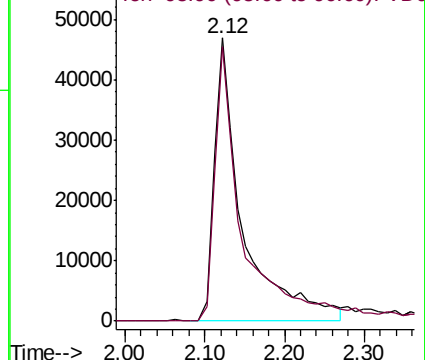
94 100

96 96.9 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 71.987 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD059999.D

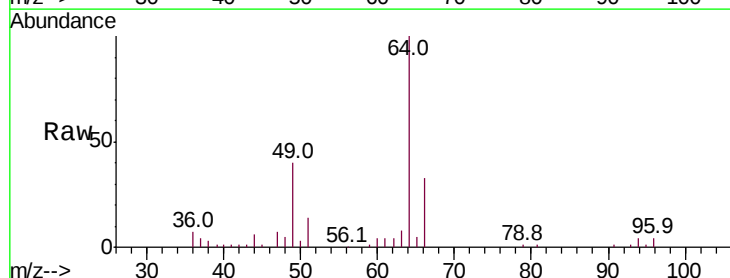
Acq: 13 Sep 2018 16:15

Tgt Ion: 64 Resp: 199859

Ion Ratio Lower Upper

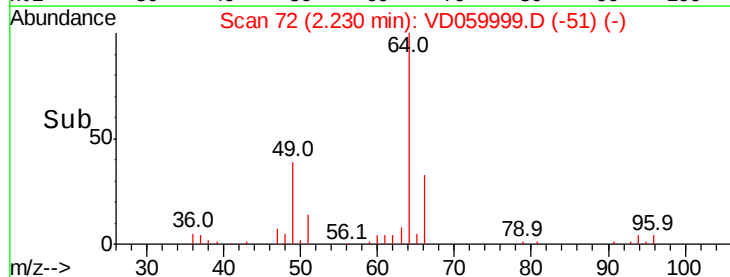
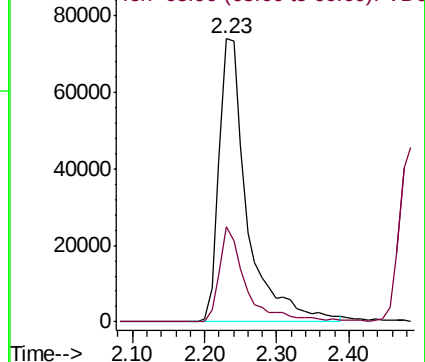
64 100

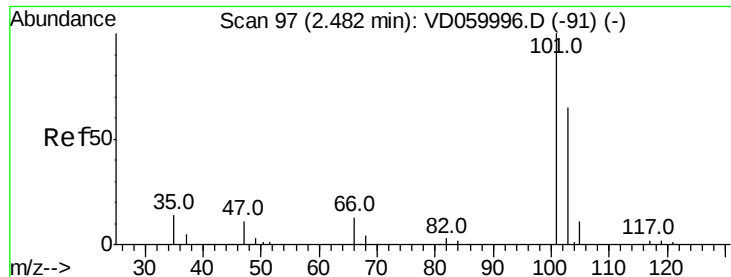
66 33.4 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 55.435 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

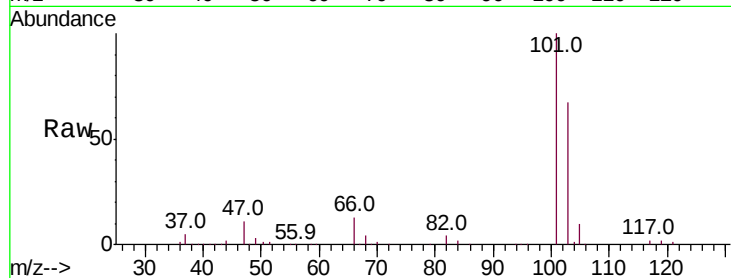
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 757907

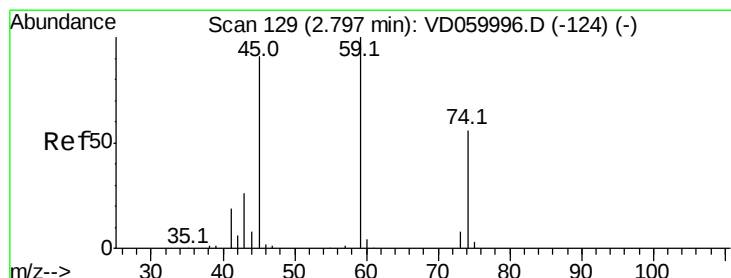
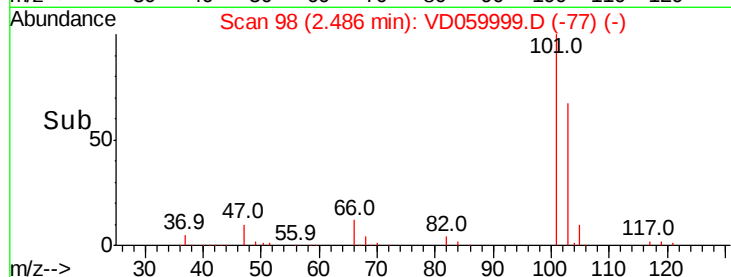
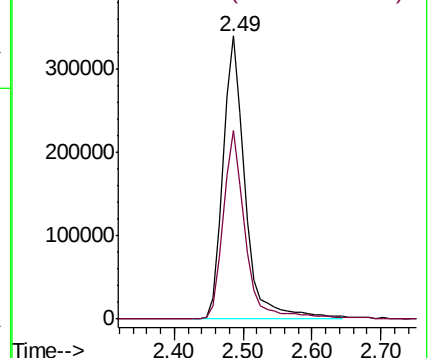
Ion Ratio Lower Upper

101 100

103 66.6 51.6 77.4



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



#8

Diethyl Ether

Concen: 53.812 ug/l

RT: 2.80 min Scan# 130

Delta R.T. 0.00 min

Lab File: VD059999.D

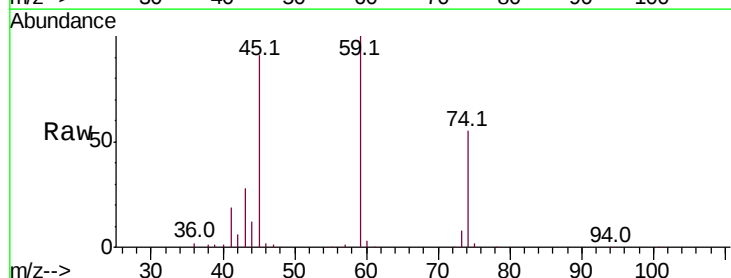
Acq: 13 Sep 2018 16:15

Tgt Ion: 74 Resp: 156395

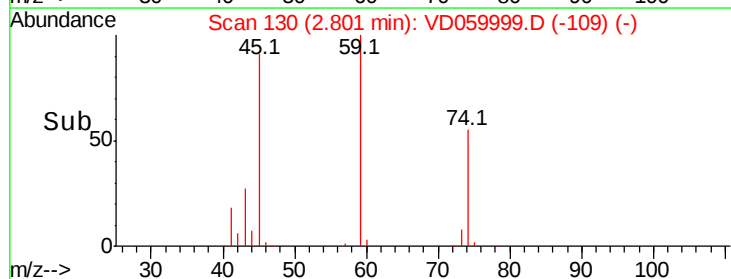
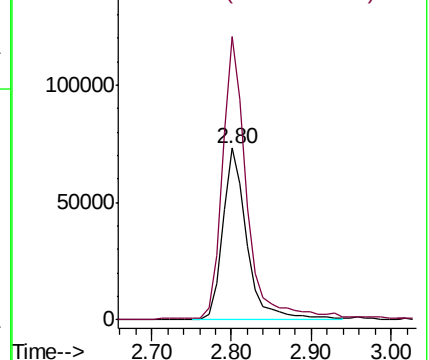
Ion Ratio Lower Upper

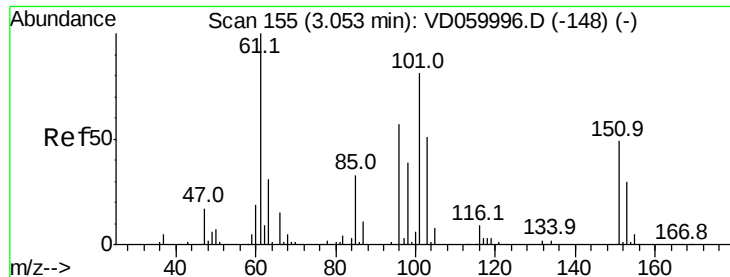
74 100

45 164.9 81.2 243.4



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: 52.656 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampled :

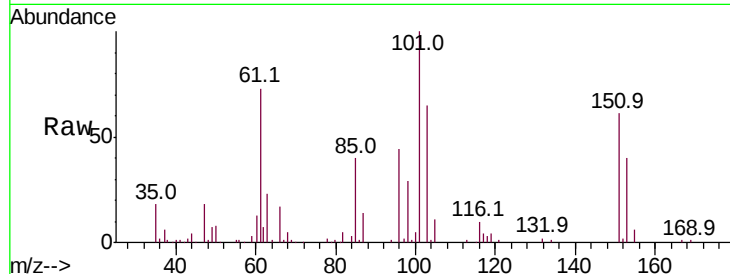
Tot Ion:101 Resp: 453965

Ion Ratio Lower Upper

101 100

85 40.1 33.1 49.7

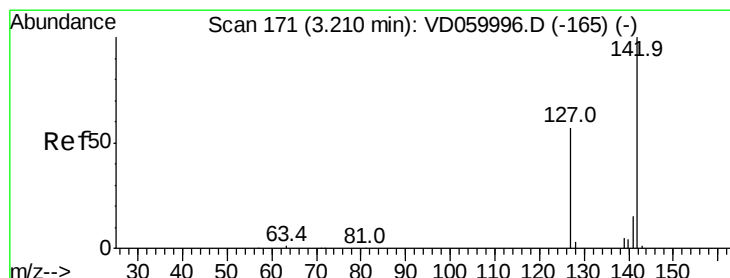
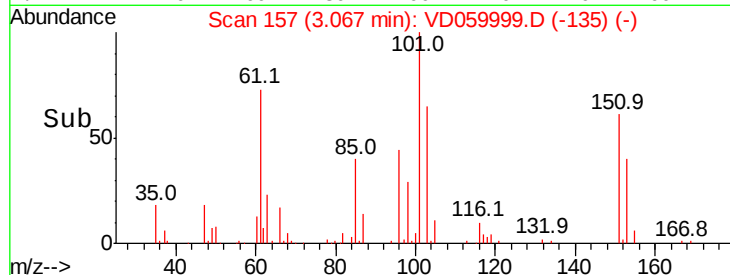
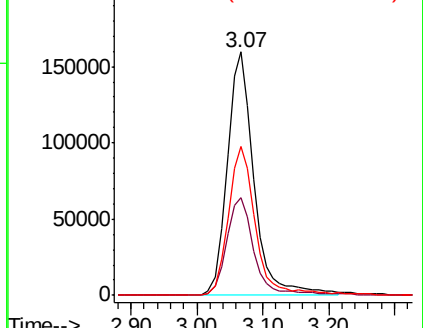
151 61.3 48.2 72.4



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: 50.150 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

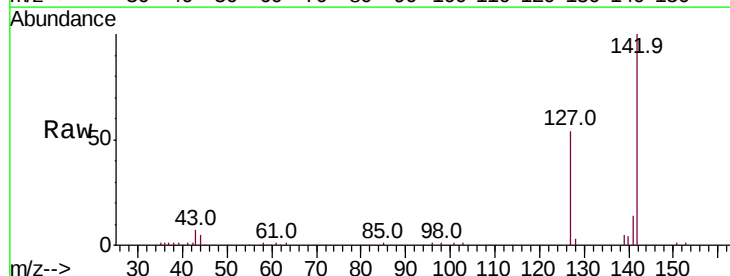
Tgt Ion:142 Resp: 457923

Ion Ratio Lower Upper

142 100

127 53.9 45.8 68.8

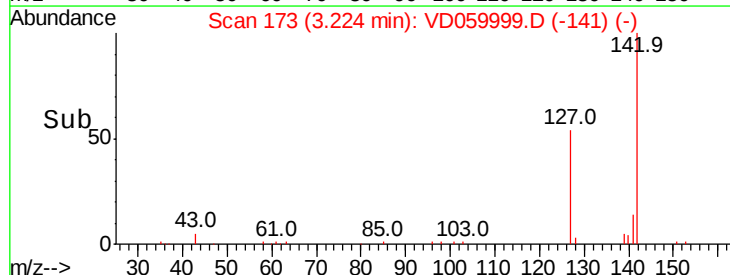
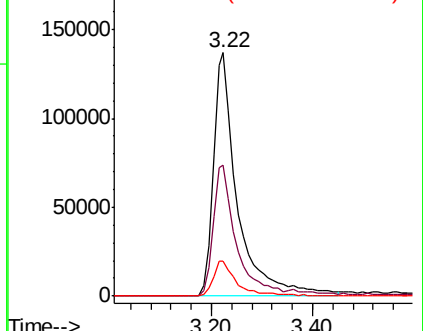
141 14.3 12.2 18.4

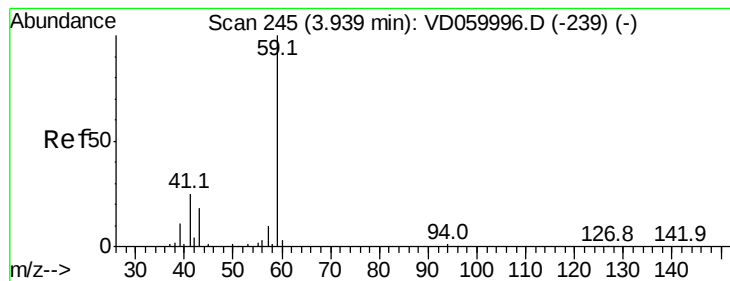


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



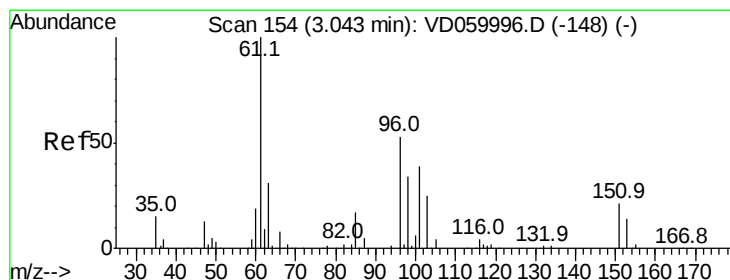
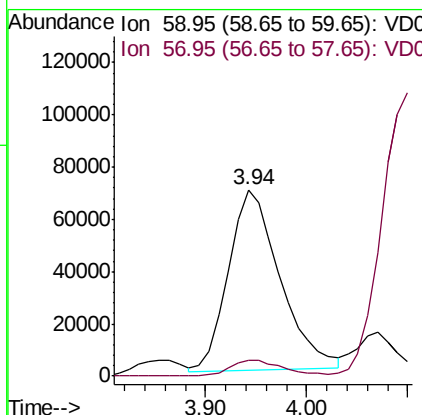
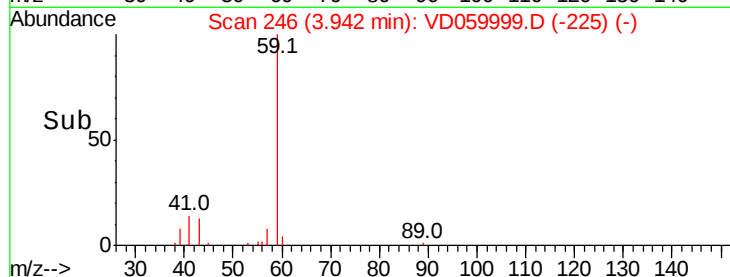
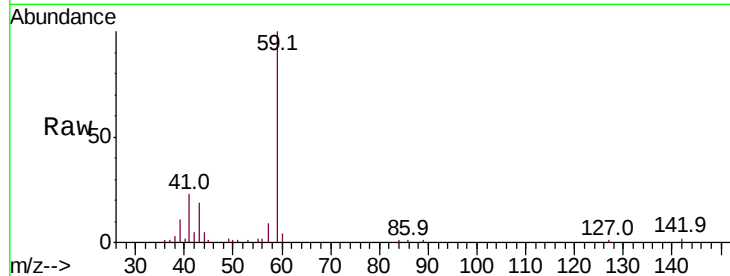


#11

Tert butyl alcohol
 Concen: 235.557 ug/l
 RT: 3.94 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :

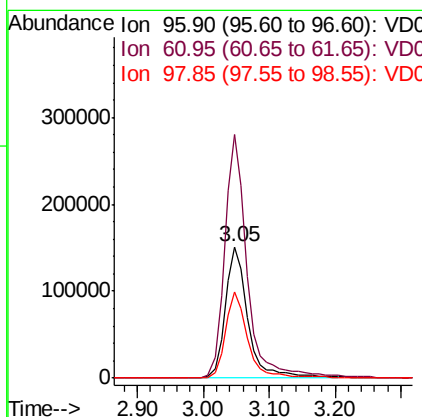
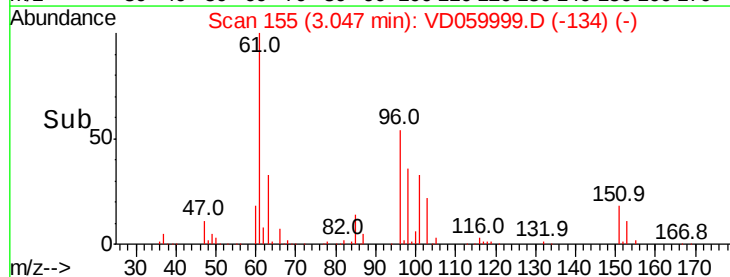
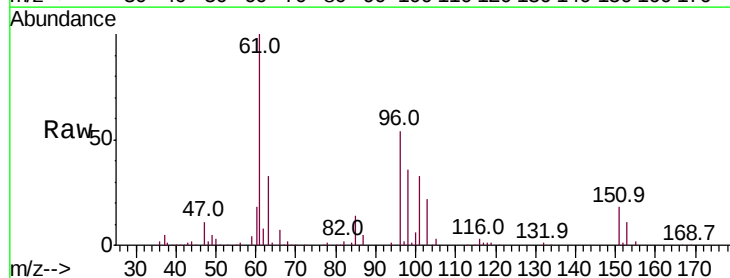
Tot Ion: 59 Resp: 245568
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.4 11.2

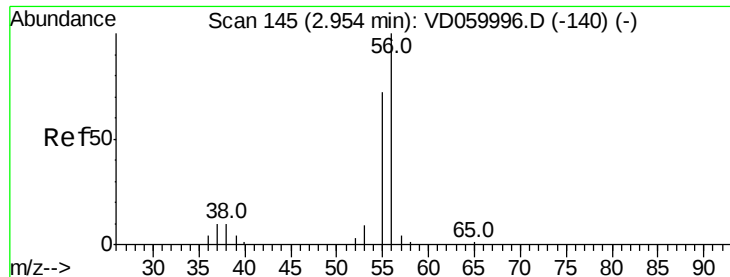


#12

1,1-Dichloroethene
 Concen: 53.399 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 96 Resp: 364007
 Ion Ratio Lower Upper
 96 100
 61 185.9 149.8 224.6
 98 66.0 50.2 75.4





#13

Acrolein

Concen: 220.401 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

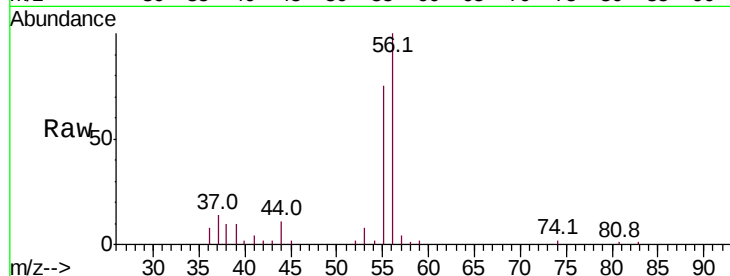
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 142287

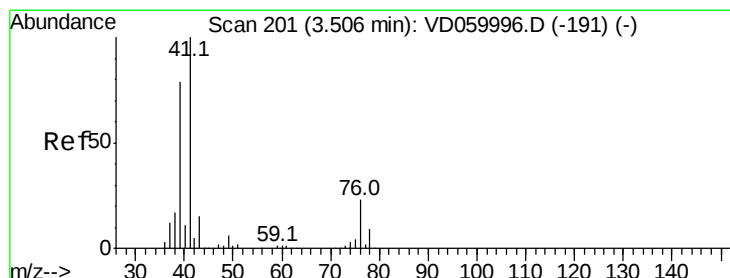
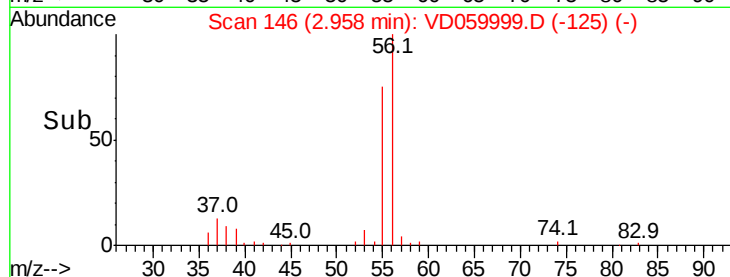
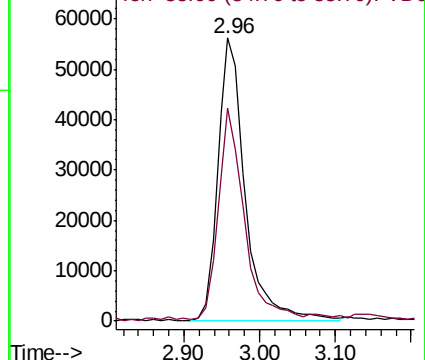
Ion Ratio Lower Upper

56 100

55 75.4 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.187 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

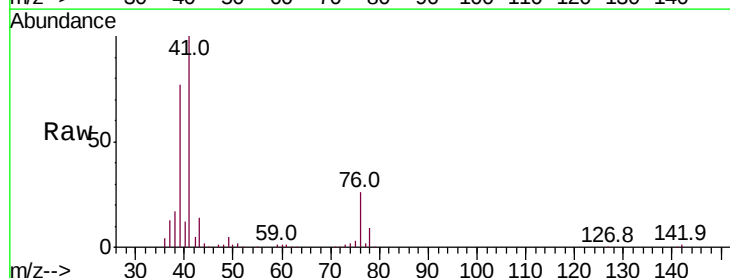
Tgt Ion: 41 Resp: 764620

Ion Ratio Lower Upper

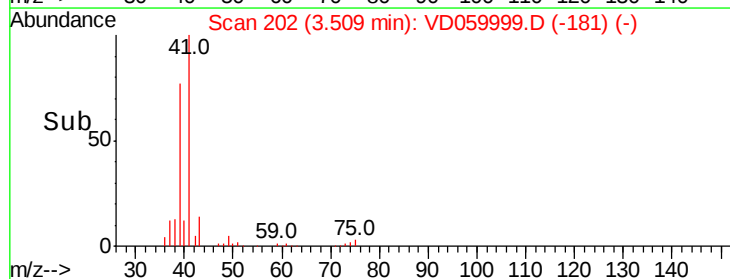
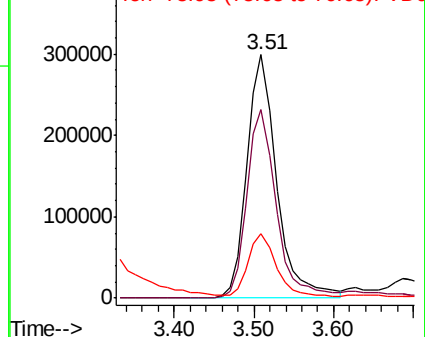
41 100

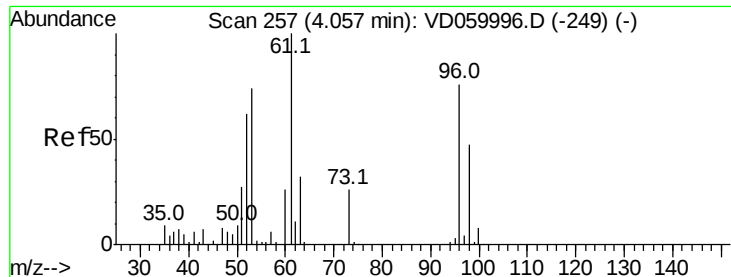
39 77.5 63.6 95.4

76 26.4 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 250.228 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampled :

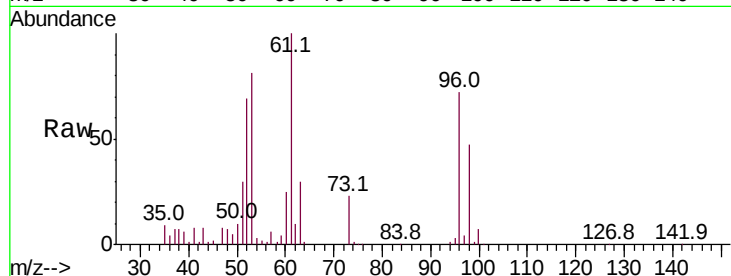
Tot Ion: 53 Resp: 984683

Ion Ratio Lower Upper

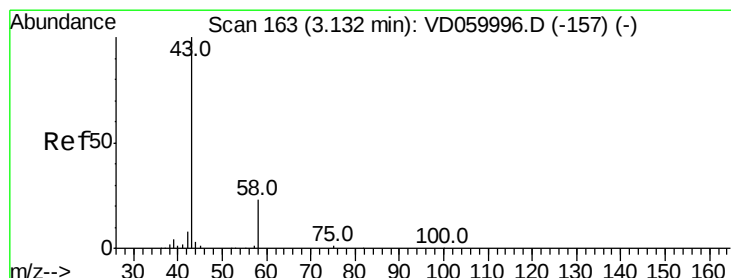
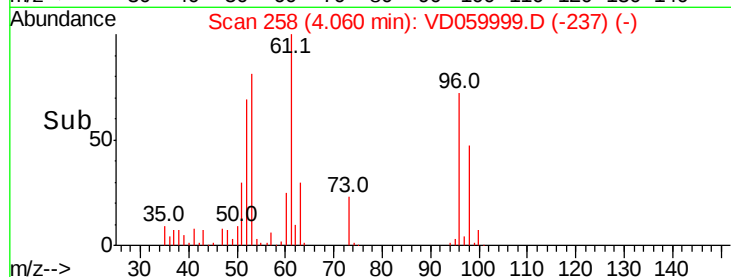
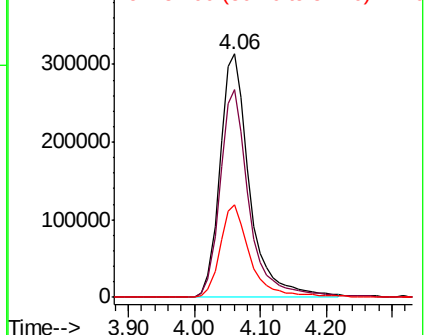
53 100

52 85.4 66.7 100.1

51 37.8 29.0 43.6



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: 250.684 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD059999.D

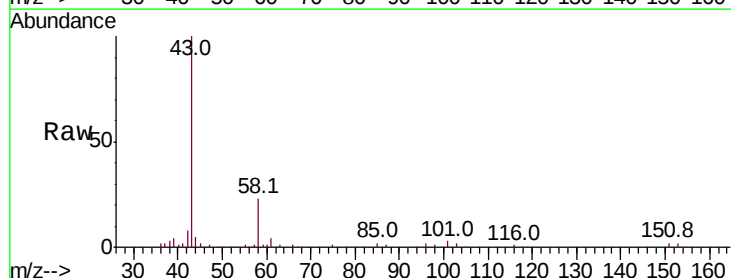
Acq: 13 Sep 2018 16:15

Tgt Ion: 43 Resp: 625310

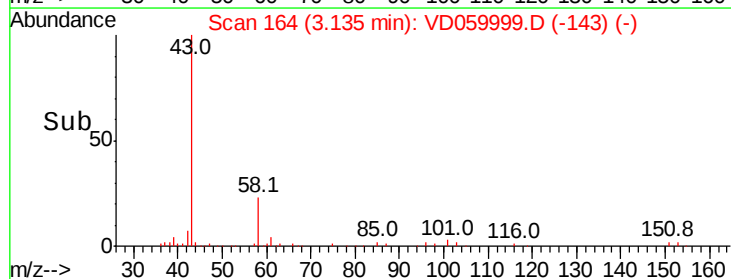
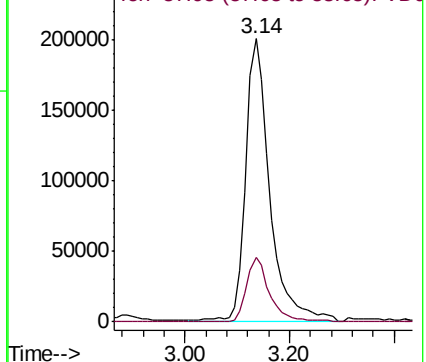
Ion Ratio Lower Upper

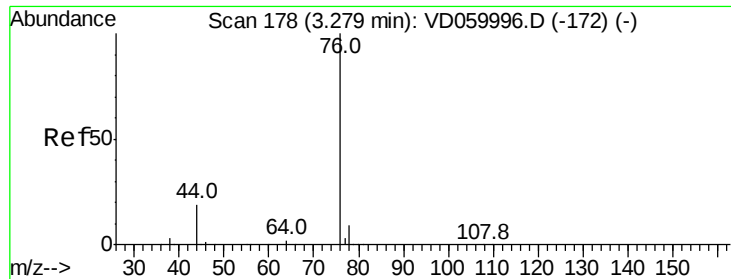
43 100

58 22.9 18.1 27.1



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

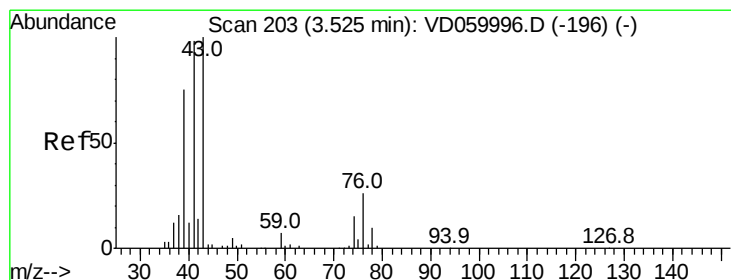
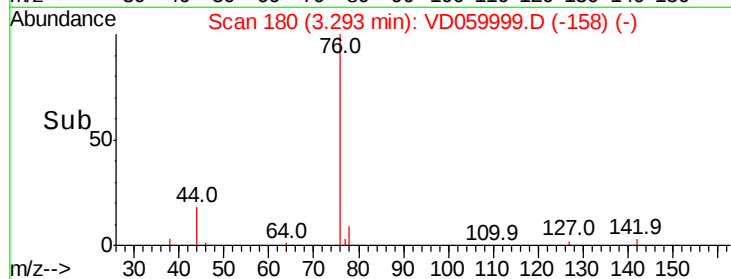
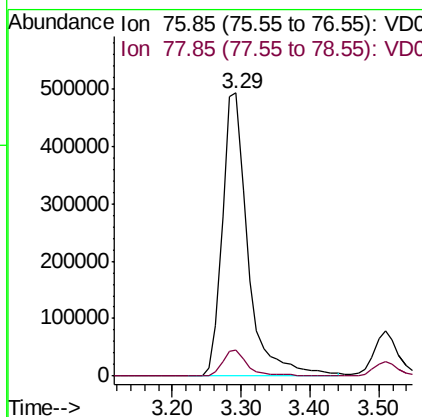
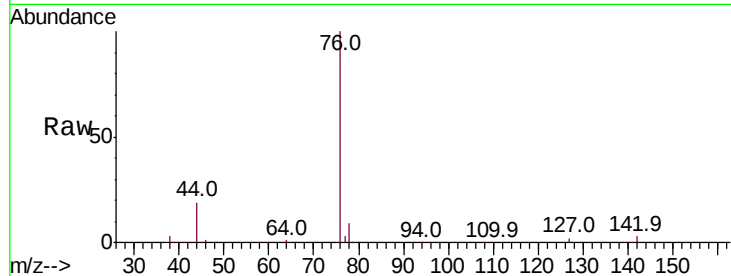




#17
Carbon Disulfide
Concen: 54.021 ug/l
RT: 3.29 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

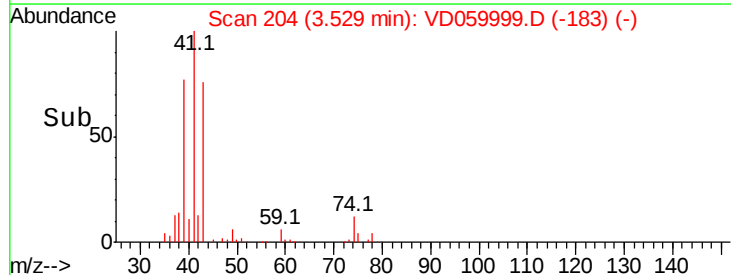
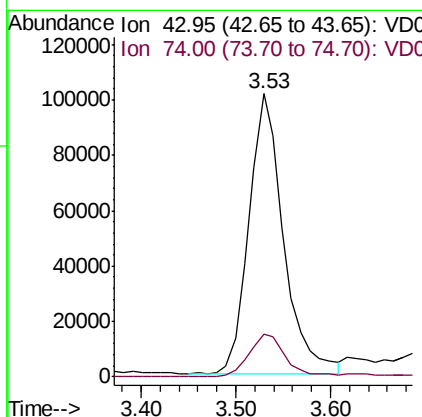
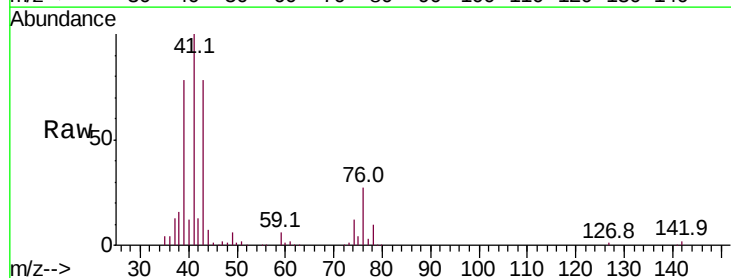
Instrument :
MSVOA_D
ClientSampled :

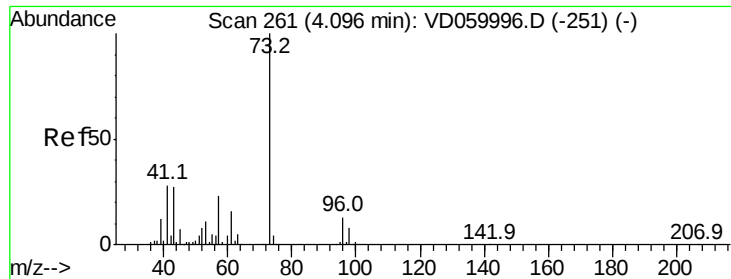
Tot Ion: 76 Resp: 1268807
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 50.811 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 43 Resp: 257761
Ion Ratio Lower Upper
43 100
74 15.0 11.8 17.8



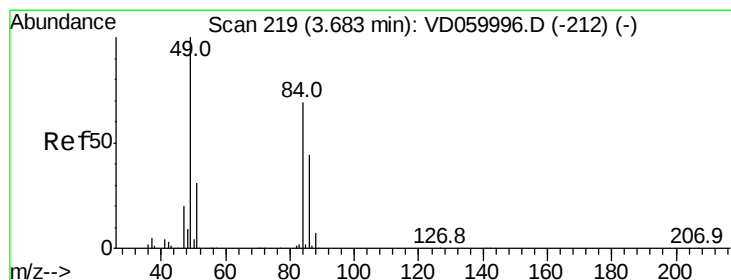
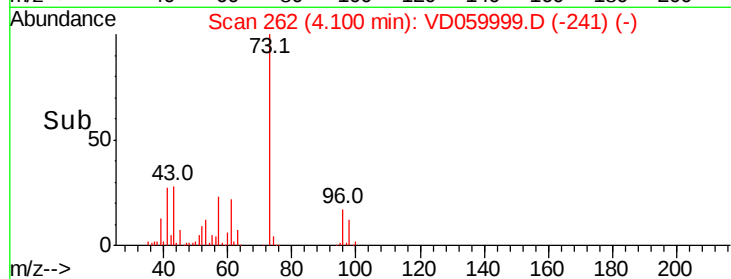
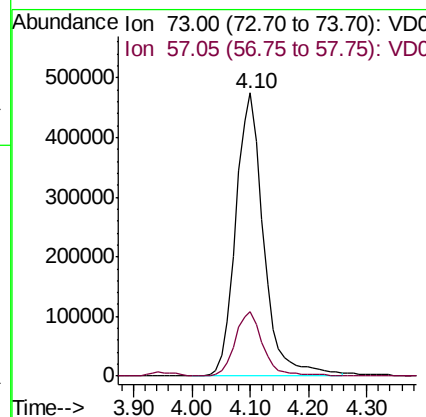
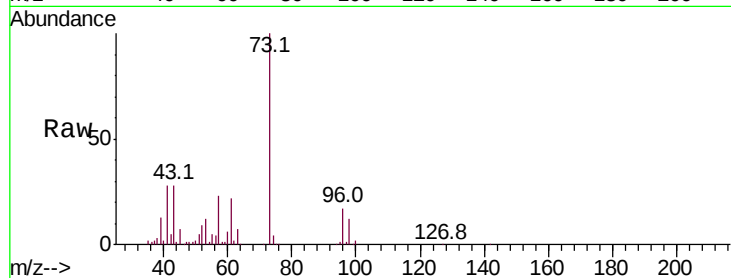


#19

Methyl tert-butyl Ether
 Concen: 50.276 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampled :

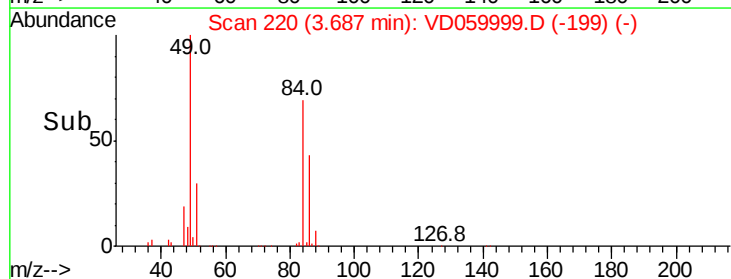
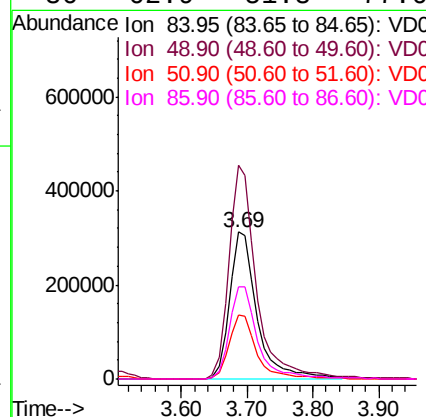
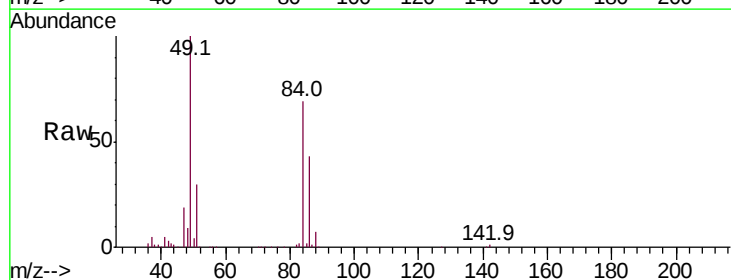
Tot Ion: 73 Resp: 1583523
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.4 27.6

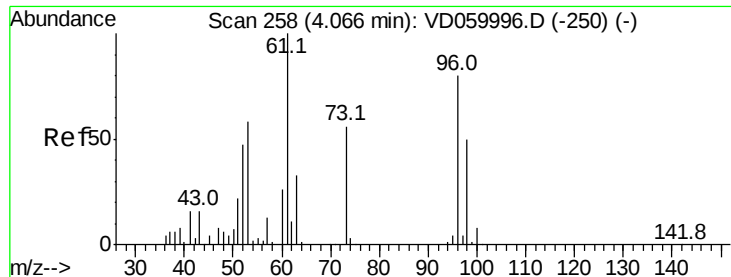


#20

Methylene Chloride
 Concen: 51.603 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 84 Resp: 911779
 Ion Ratio Lower Upper
 84 100
 49 145.7 116.6 175.0
 51 43.7 35.9 53.9
 86 62.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.652 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampled :

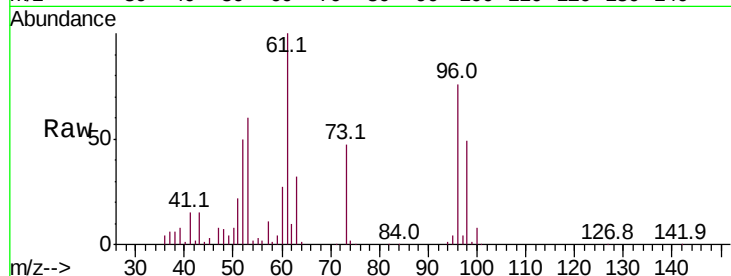
Tot Ion: 96 Resp: 906090

Ion Ratio Lower Upper

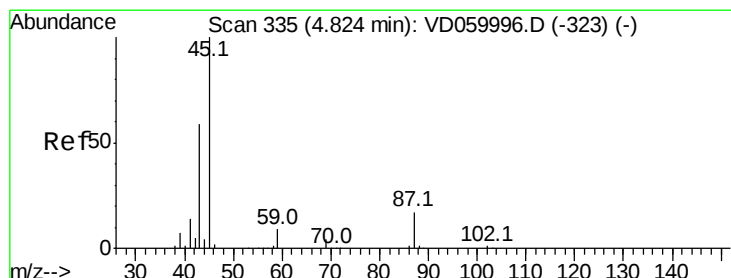
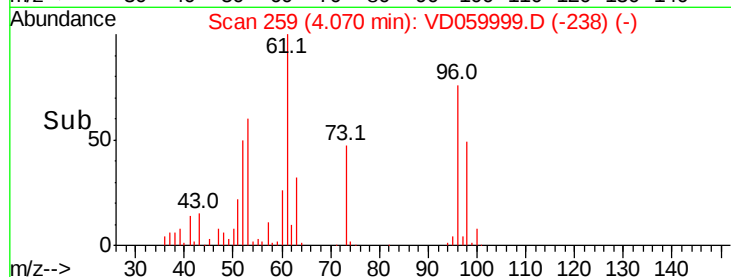
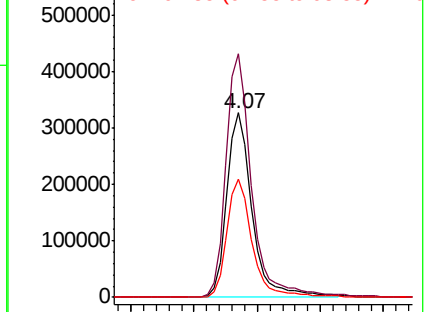
96 100

61 132.2 100.1 150.1

98 64.4 49.5 74.3



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



#22

Diisopropyl ether

Concen: 50.852 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion: 45 Resp: 3334677

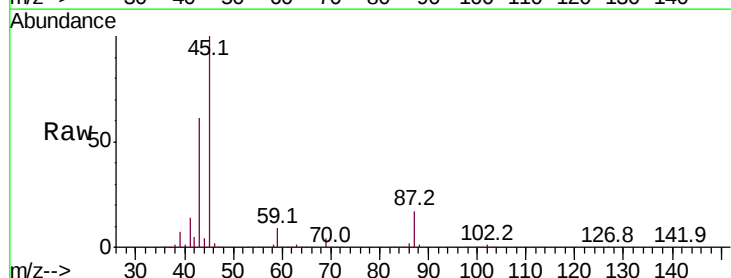
Ion Ratio Lower Upper

45 100

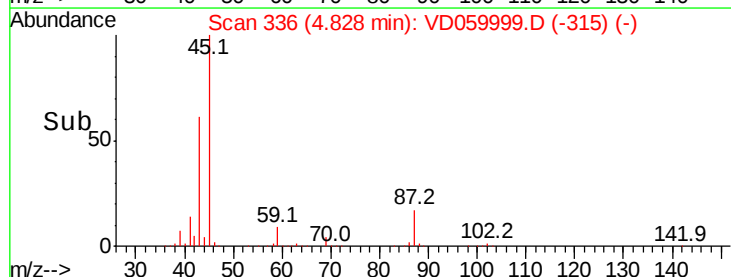
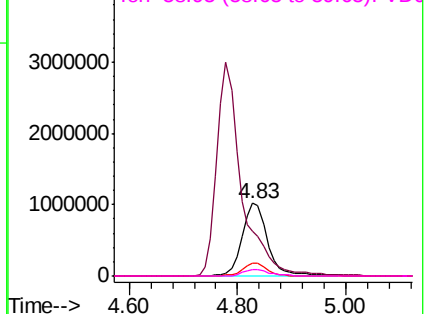
43 61.4 47.1 70.7

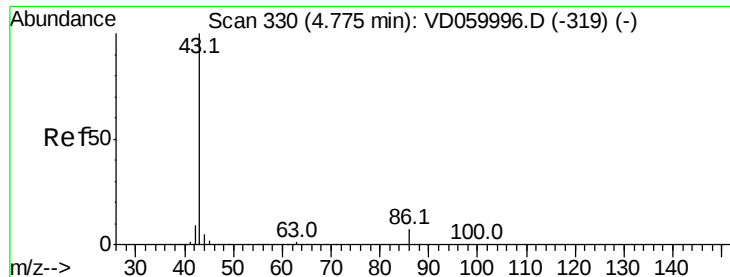
87 16.9 14.2 21.2

59 8.9 7.0 10.6



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: 256.417 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

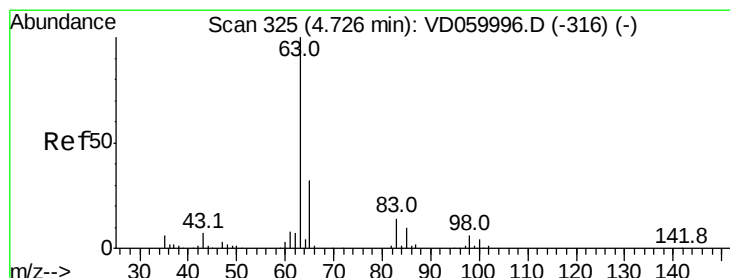
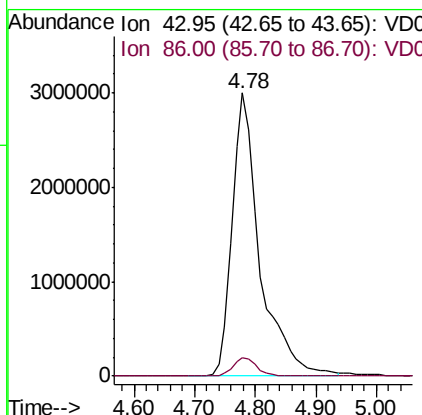
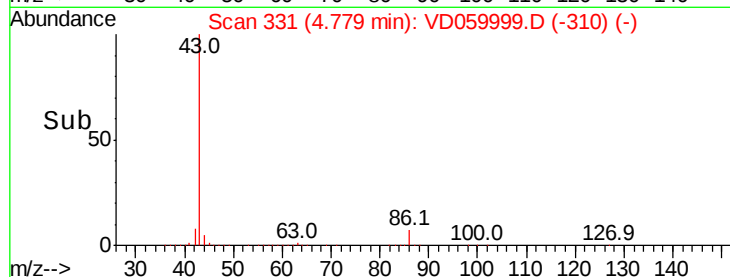
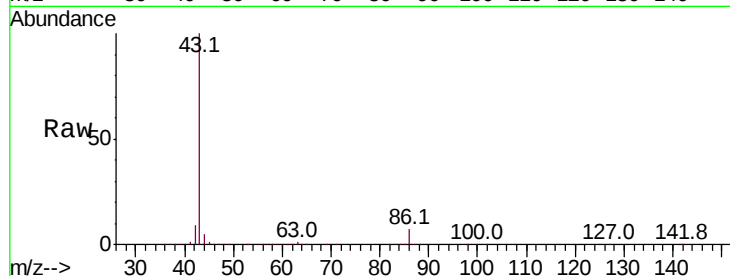
ClientSampleId :

Tot Ion: 43 Resp: 9525997

Ion Ratio Lower Upper

43 100

86 6.7 5.5 8.3



#24

1,1-Dichloroethane

Concen: 51.743 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

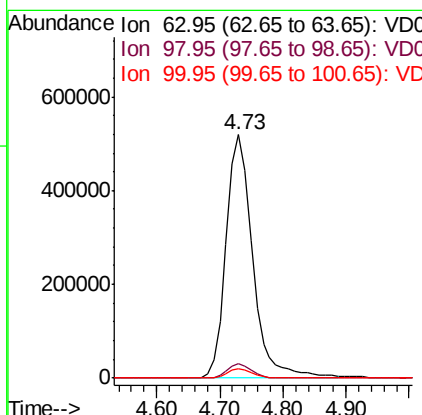
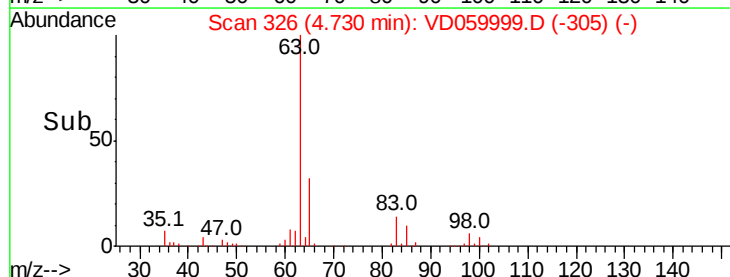
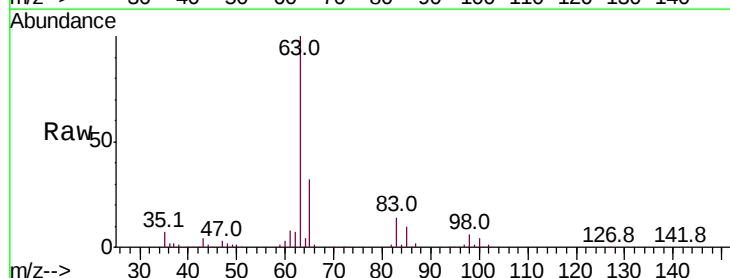
Tgt Ion: 63 Resp: 1522670

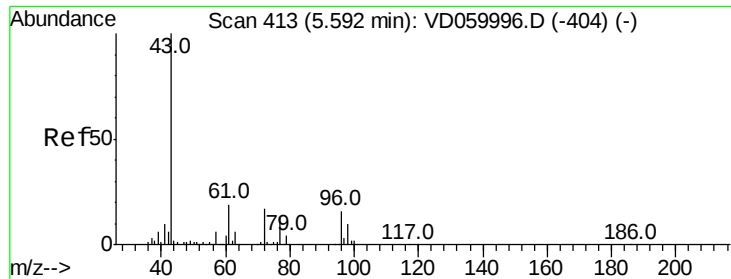
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.6 1.8 5.4





#25

2-Butanone

Concen: 231.630 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

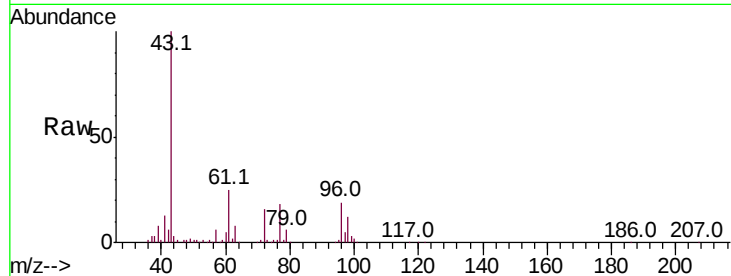
ClientSampleId :

Tot Ion: 43 Resp: 1559133

Ion Ratio Lower Upper

43 100

72 16.1 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

600000

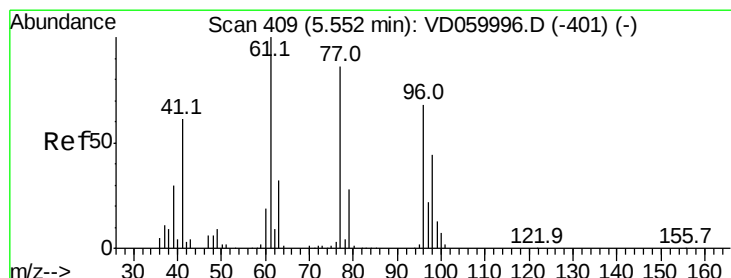
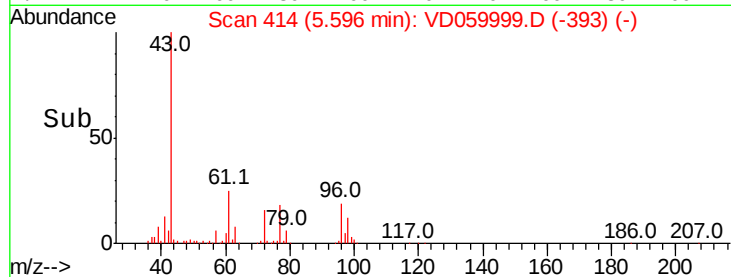
400000

200000

0

5.50 5.60

Time-->



#26

2,2-Dichloropropane

Concen: 51.364 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD059999.D

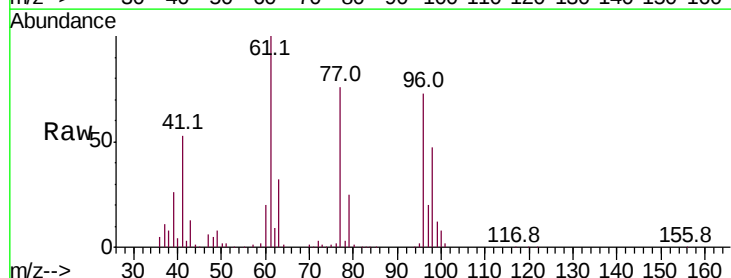
Acq: 13 Sep 2018 16:15

Tgt Ion: 77 Resp: 1175150

Ion Ratio Lower Upper

77 100

97 26.1 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

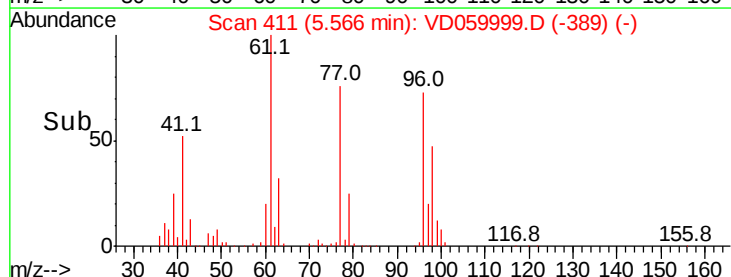
200000

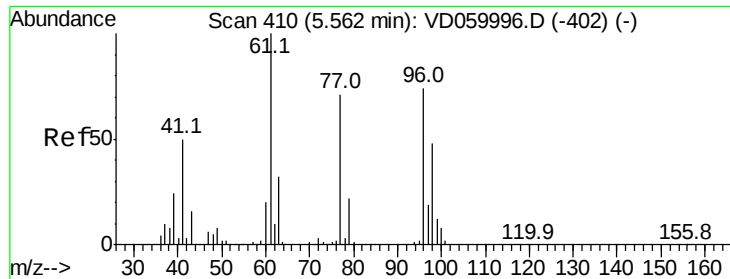
100000

0

5.40 5.50 5.60 5.70

Time-->



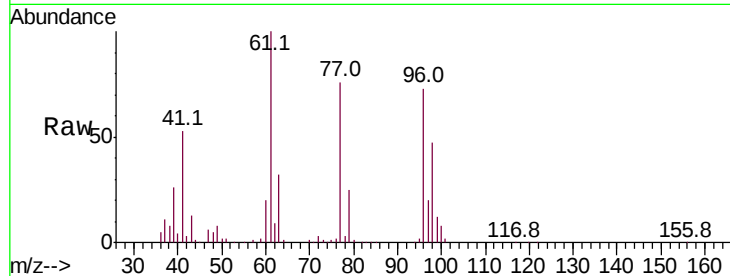


#27

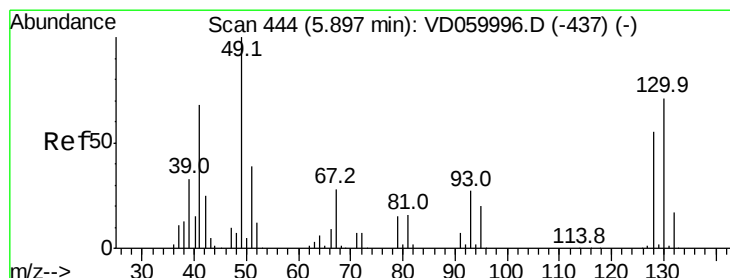
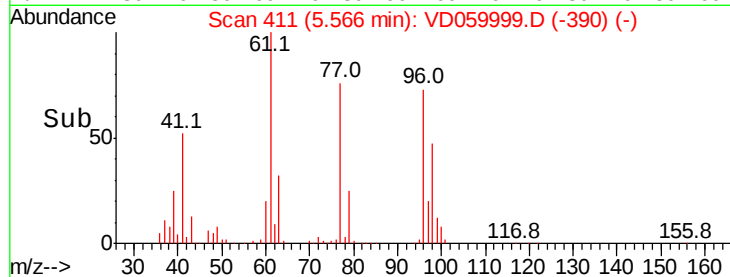
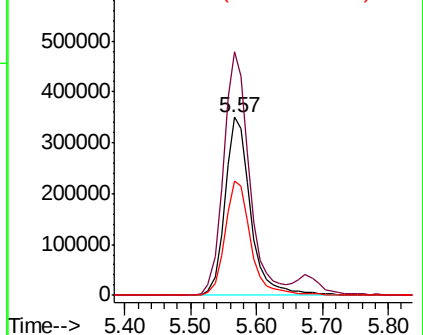
cis-1,2-Dichloroethene
Concen: 50.598 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 946783
Ion Ratio Lower Upper
96 100
61 137.0 0.0 269.6
98 64.6 0.0 128.4



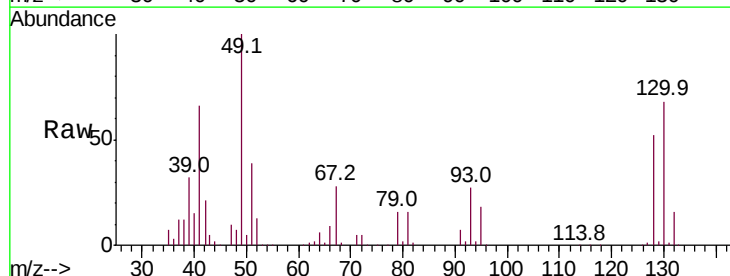
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



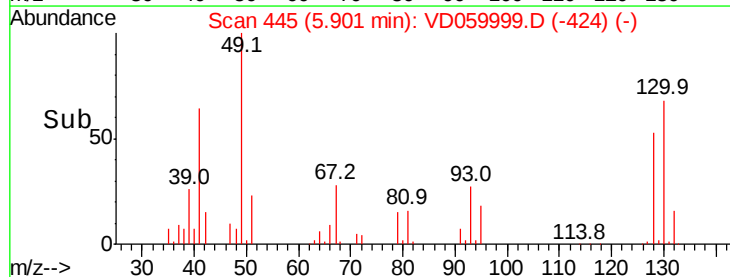
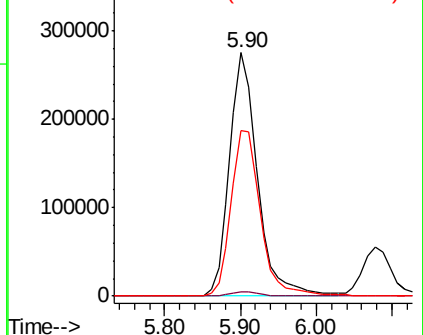
#28

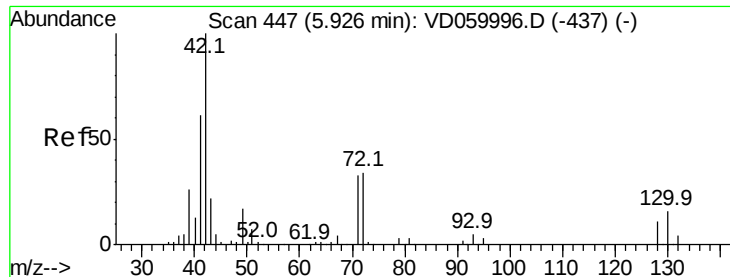
Bromochloromethane
Concen: 49.587 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 49 Resp: 701431
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 67.8 57.1 85.7



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





#29

Tetrahydrofuran

Concen: 241.401 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :

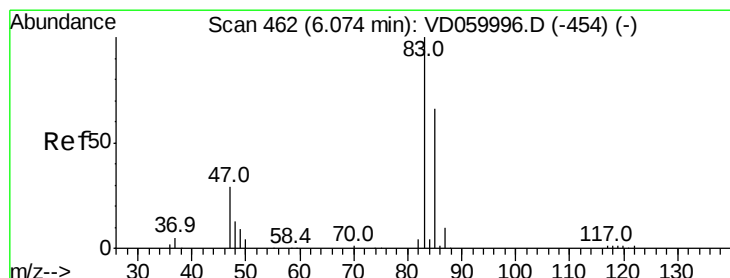
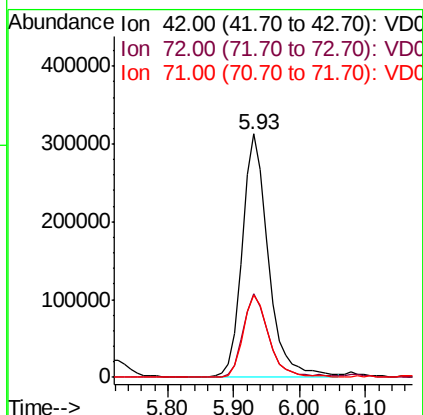
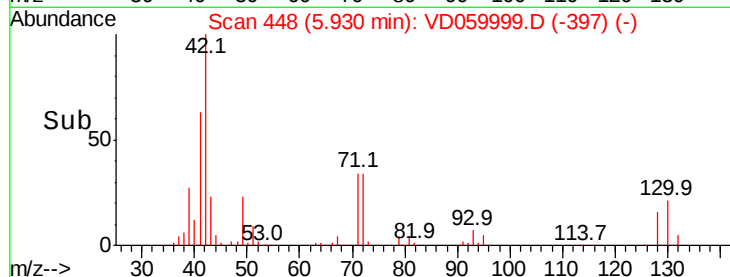
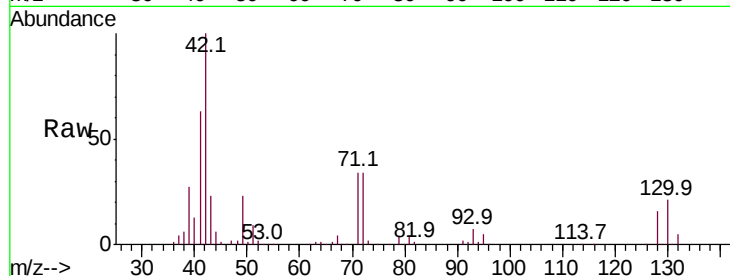
Tot Ion: 42 Resp: 871416

Ion Ratio Lower Upper

42 100

72 33.8 26.9 40.3

71 33.3 26.2 39.4



#30

Chloroform

Concen: 50.256 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059999.D

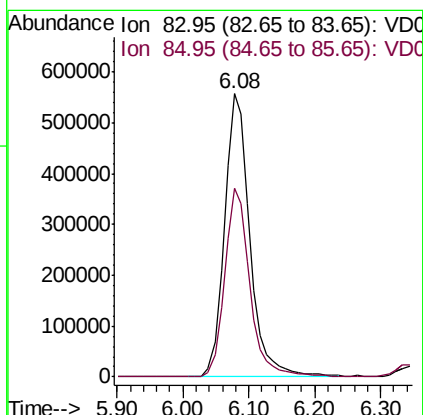
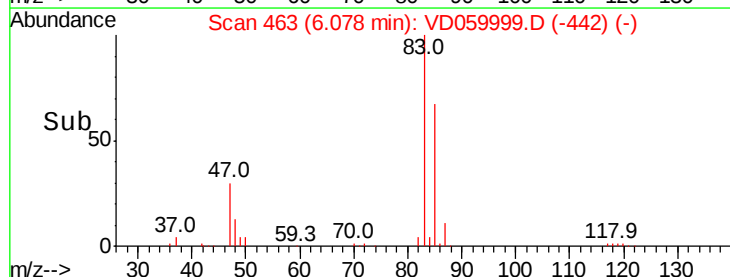
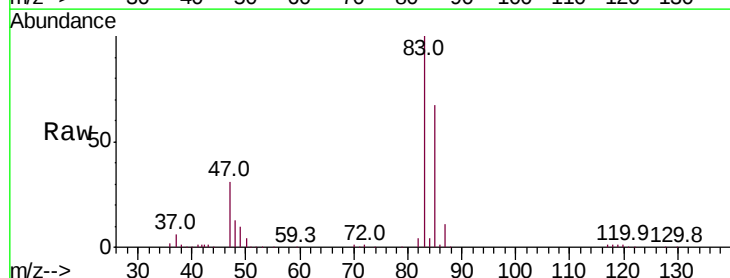
Acq: 13 Sep 2018 16:15

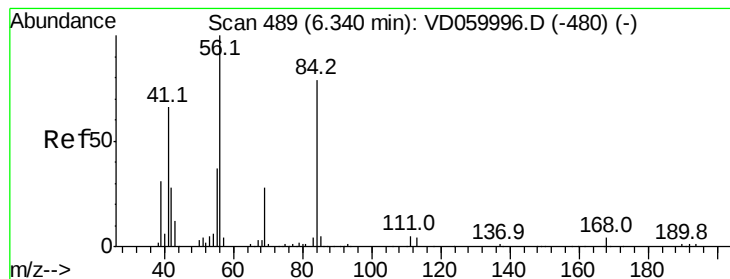
Tgt Ion: 83 Resp: 1499794

Ion Ratio Lower Upper

83 100

85 66.6 52.6 78.8





#31

Cyclohexane

Concen: 48.459 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.00 min

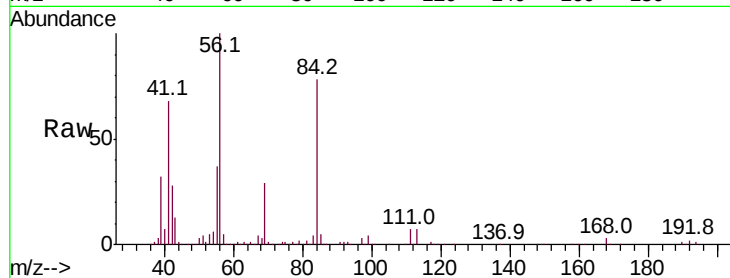
Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

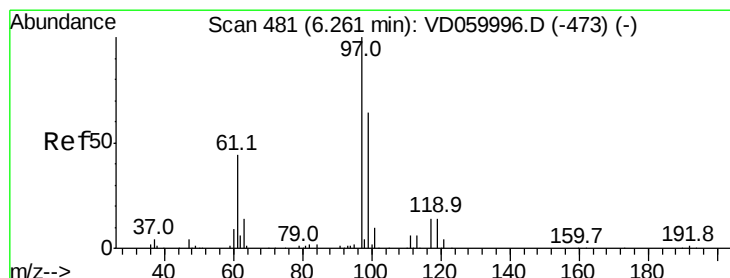
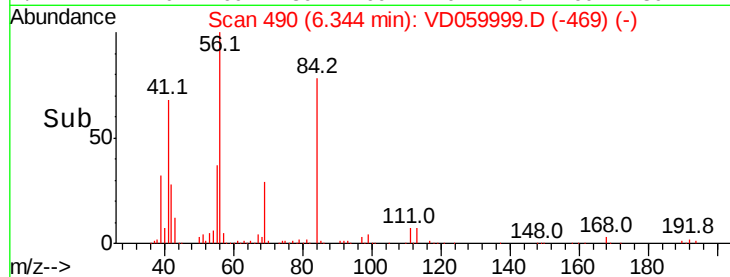
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 1390417

Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.7	34.1
84	78.5	64.0	96.0



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: 51.385 ug/l

RT: 6.26 min Scan# 482

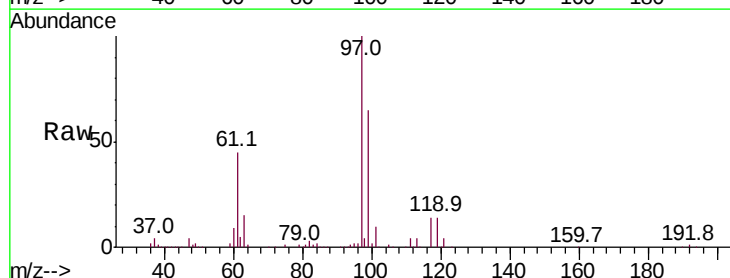
Delta R.T. 0.00 min

Lab File: VD059999.D

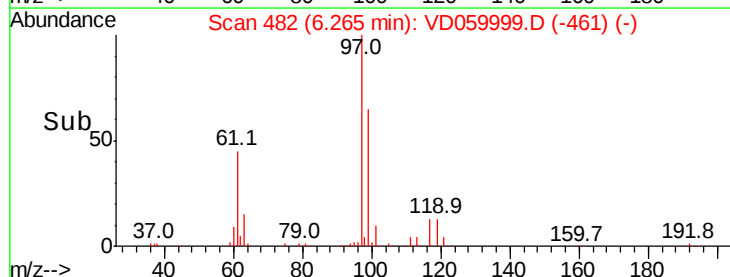
Acq: 13 Sep 2018 16:15

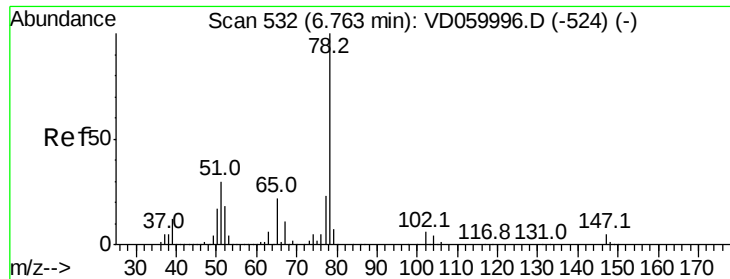
Tgt Ion: 97 Resp: 1271857

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.3	76.9
61	44.6	35.5	53.3



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: 51.385 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

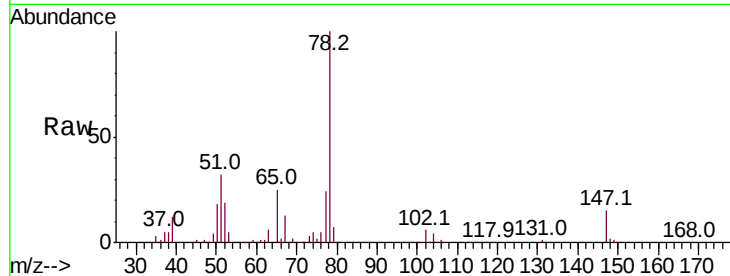
ClientSampleId :

Tot Ion: 65 Resp: 631185

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

250000

200000

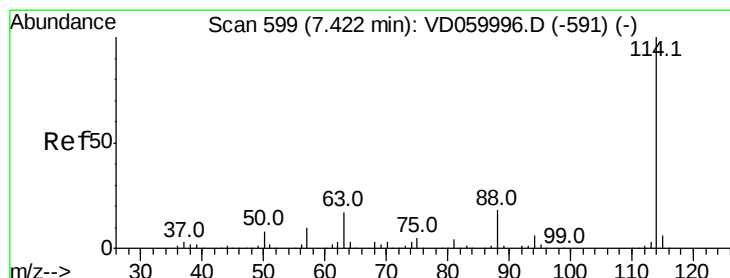
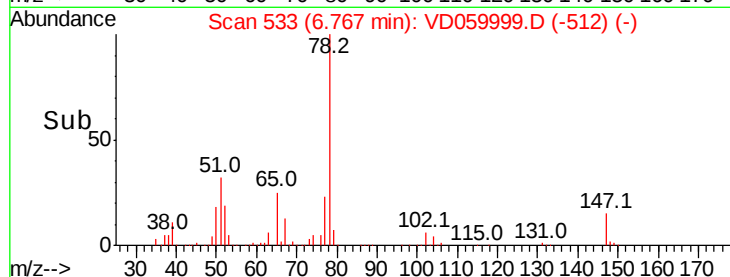
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

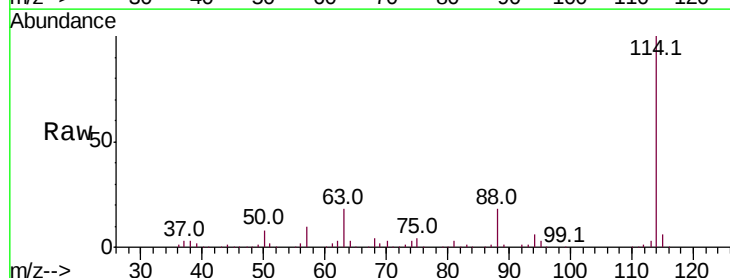
Tgt Ion:114 Resp: 2258438

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 18.4 0.0 35.8



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

1200000

1000000

800000

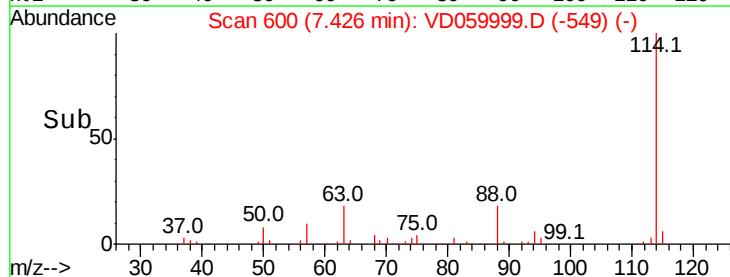
600000

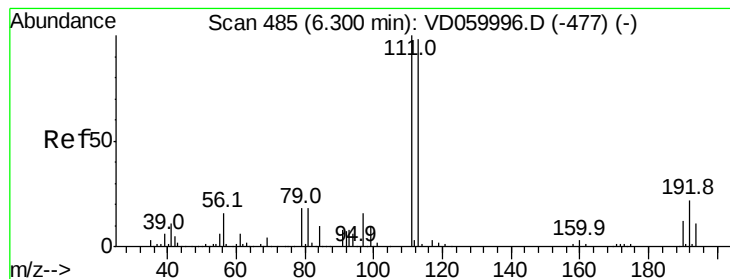
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampled :

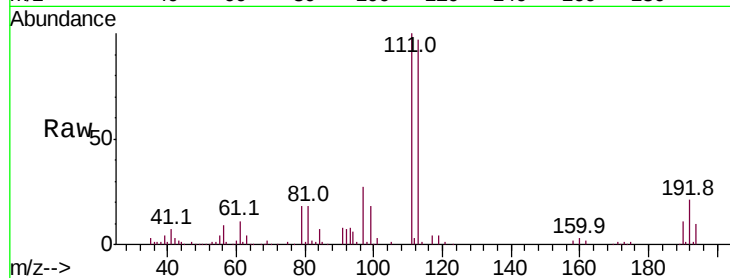
Tot Ion:113 Resp: 871198

Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

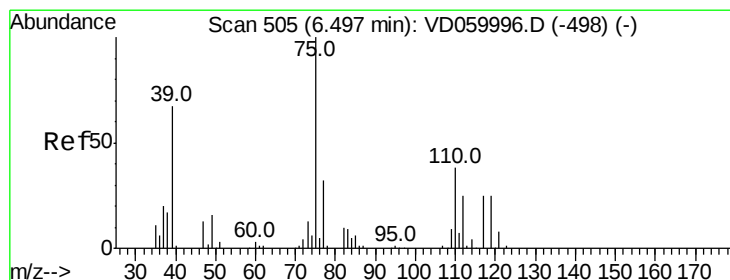
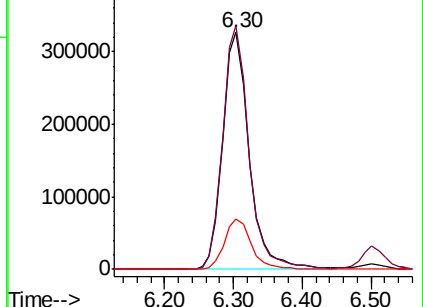
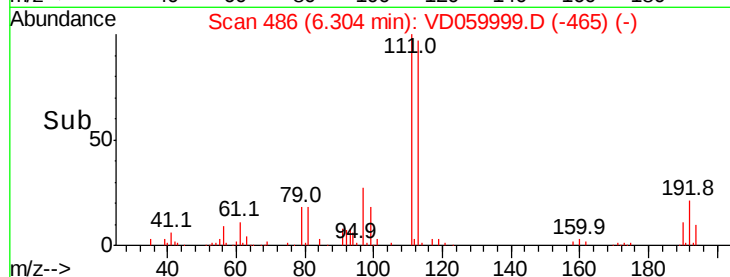
192 21.4 18.1 27.1



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: 49.262 ug/l

RT: 6.50 min Scan# 506

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

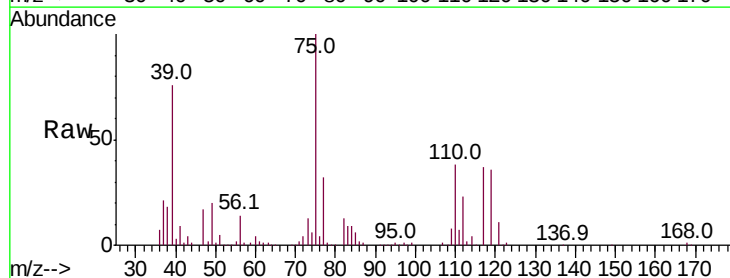
Tgt Ion: 75 Resp: 1105147

Ion Ratio Lower Upper

75 100

110 38.2 18.9 56.9

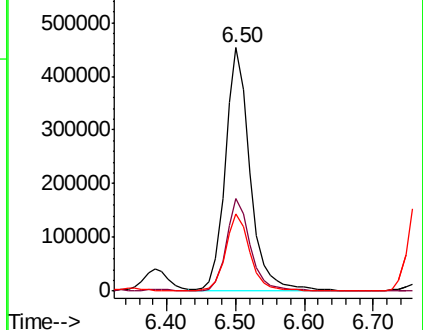
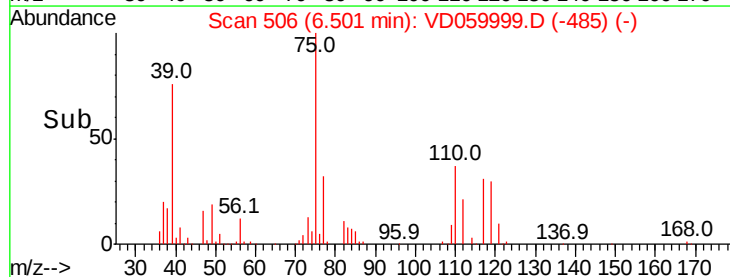
77 31.9 25.3 37.9

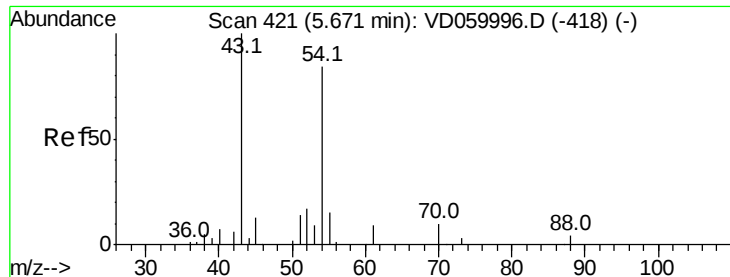


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

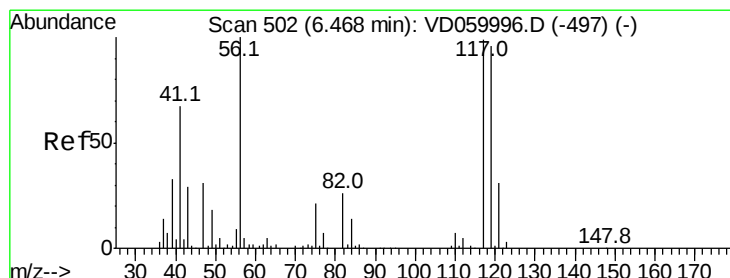
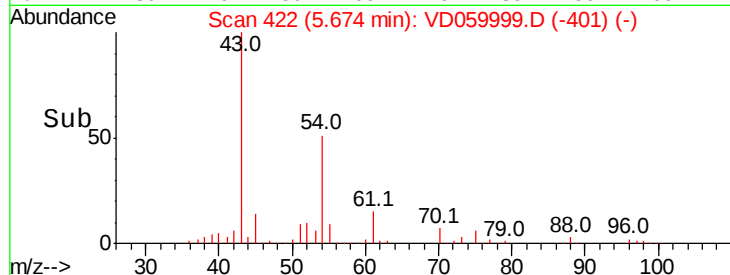
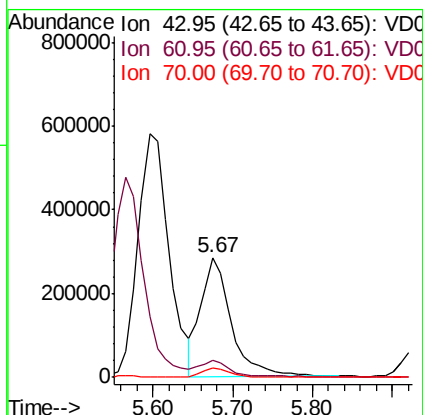
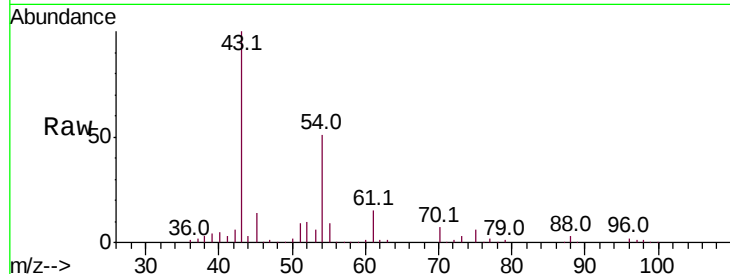




#37
Ethyl Acetate
Concen: 48.251 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

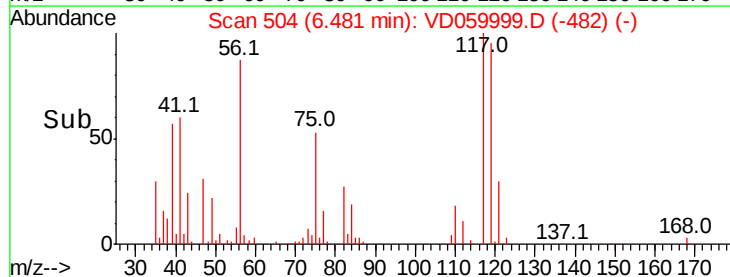
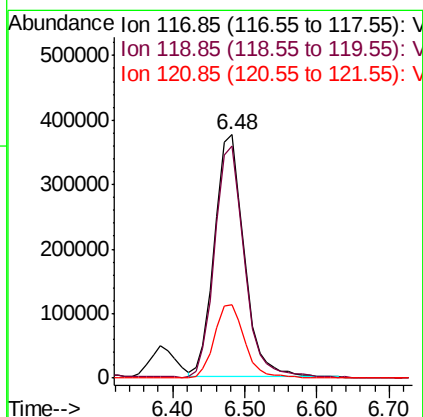
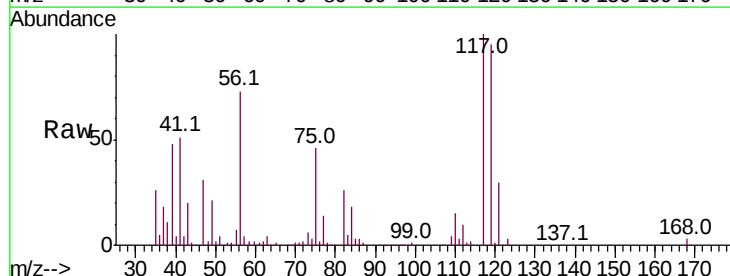
Instrument :
MSVOA_D
ClientSampleID :

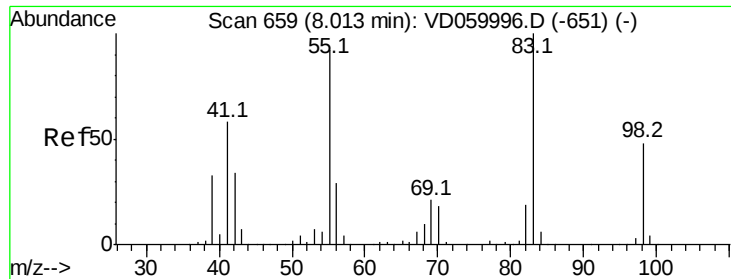
Tot Ion: 43 Resp: 744392
Ion Ratio Lower Upper
43 100
61 14.6 10.2 15.2
70 7.5 6.1 9.1



#38
Carbon Tetrachloride
Concen: 51.177 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 117 Resp: 1071759
Ion Ratio Lower Upper
117 100
119 95.2 76.7 115.1
121 30.3 24.9 37.3

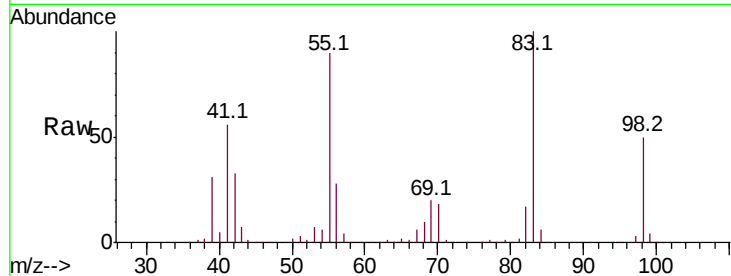




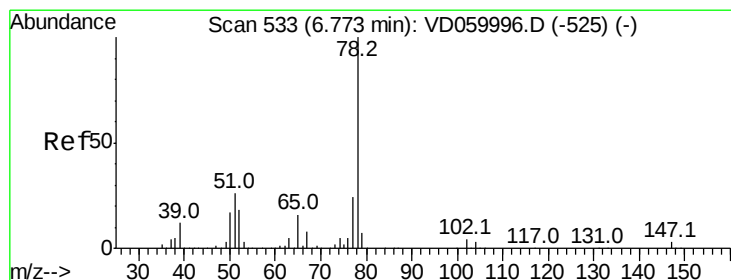
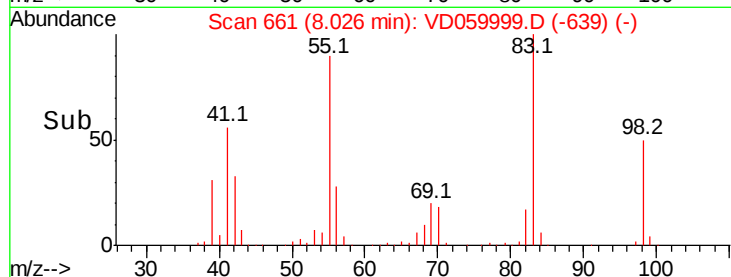
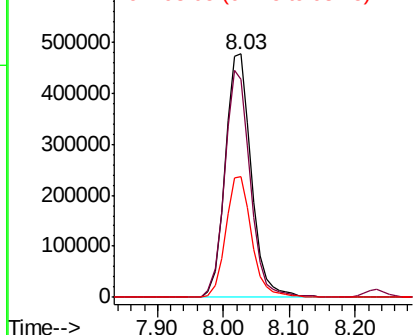
#39
Methvlcvclohexane
Concen: 52.033 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 1320493
Ion Ratio Lower Upper
83 100
55 89.7 73.8 110.6
98 49.6 38.1 57.1

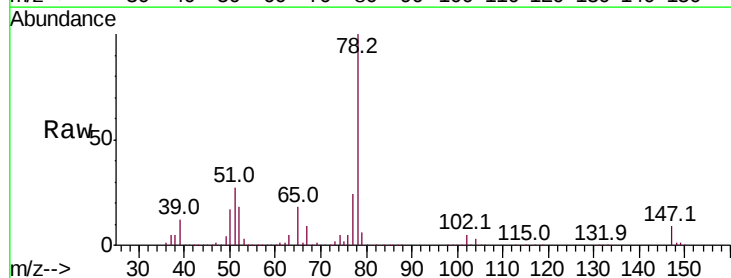


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

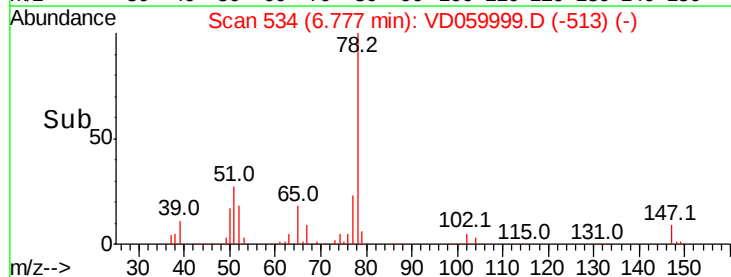
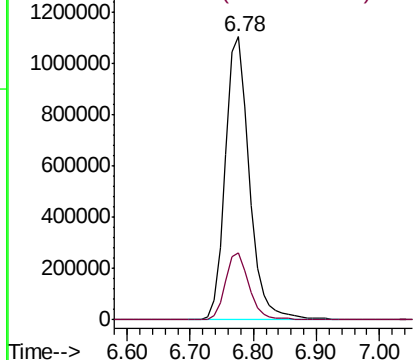


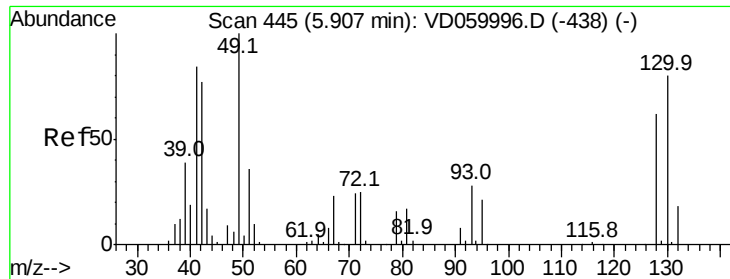
#40
Benzene
Concen: 51.176 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 78 Resp: 2926206
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4



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





#41

Methacrylonitrile

Concen: 109.630 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 885834

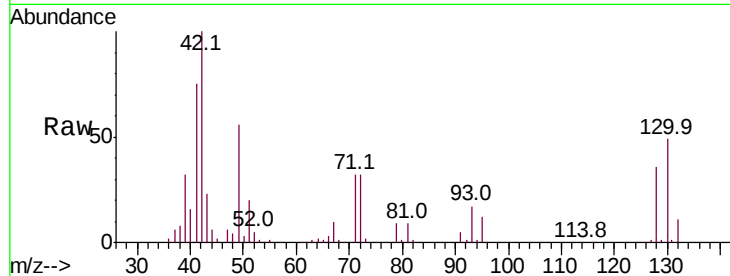
Ion Ratio Lower Upper

41 100

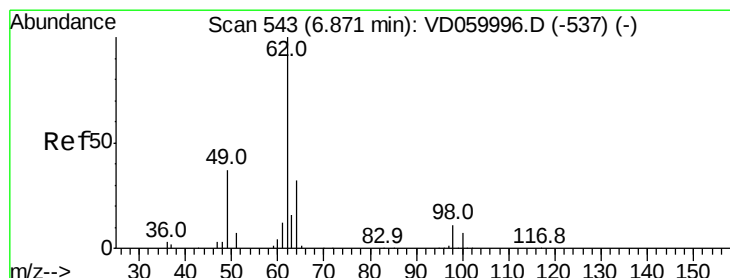
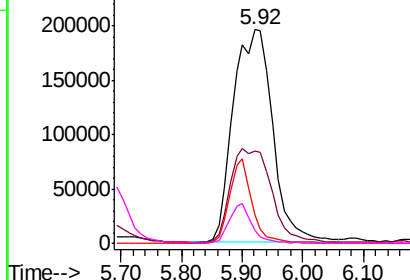
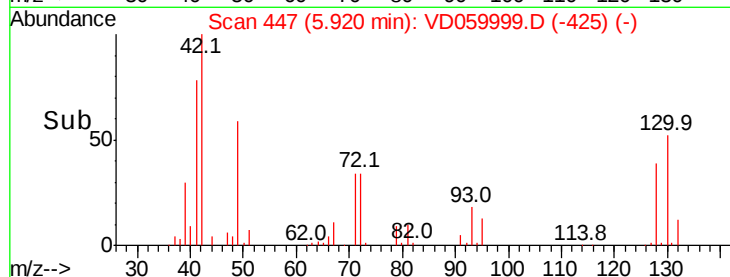
39 43.2 37.5 56.3

67 13.5 21.5 32.3#

52 6.0 9.2 13.8#



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: 50.730 ug/l

RT: 6.87 min Scan# 544

Delta R.T. 0.00 min

Lab File: VD059999.D

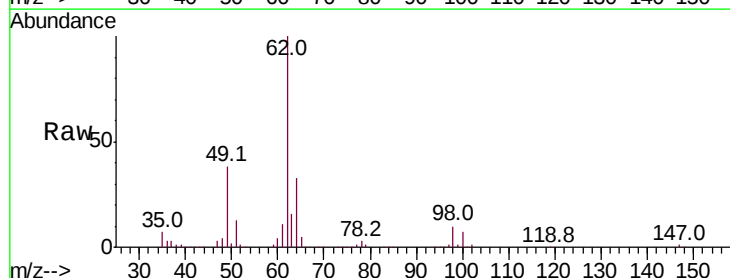
Acq: 13 Sep 2018 16:15

Tgt Ion: 62 Resp: 870966

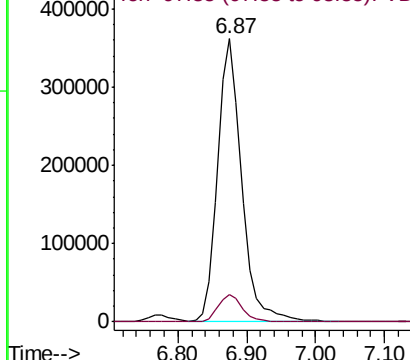
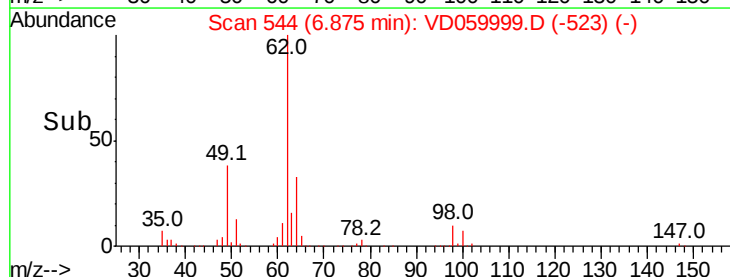
Ion Ratio Lower Upper

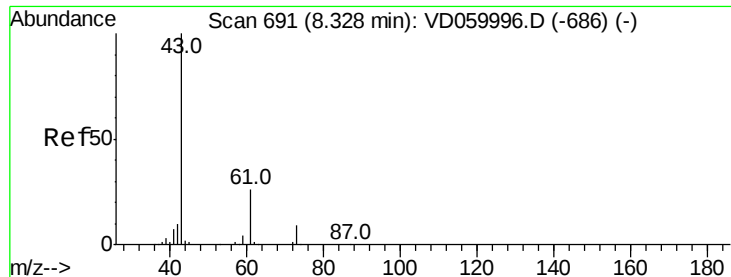
62 100

98 9.8 0.0 21.4



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





#43

Isopropyl Acetate

Concen: 50.588 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

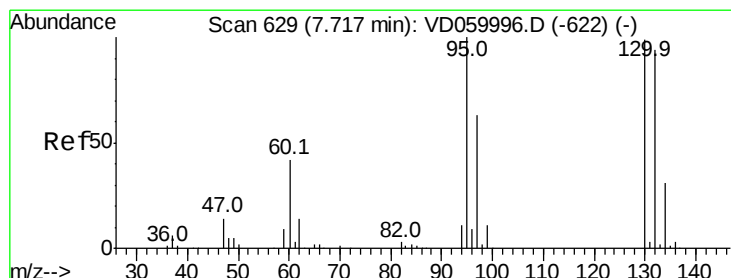
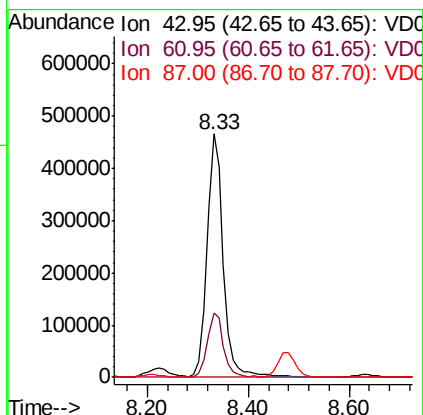
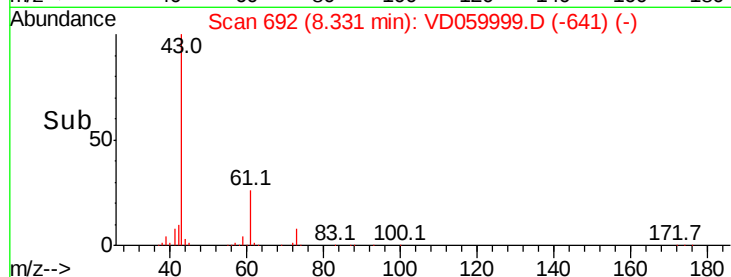
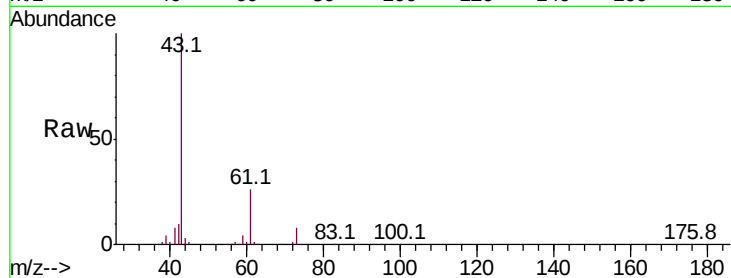
Tot Ion: 43 Resp: 1044941

Ion Ratio Lower Upper

43 100

61 26.3 21.0 31.6

87 0.3 0.2 0.2#



#44

Trichloroethene

Concen: 51.005 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD059999.D

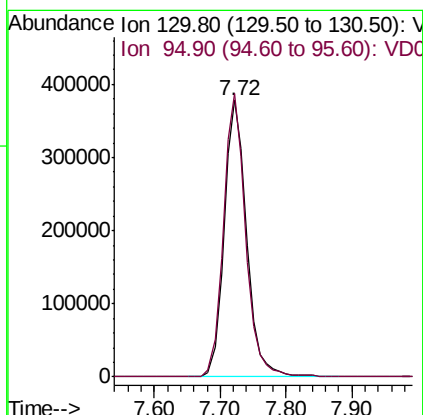
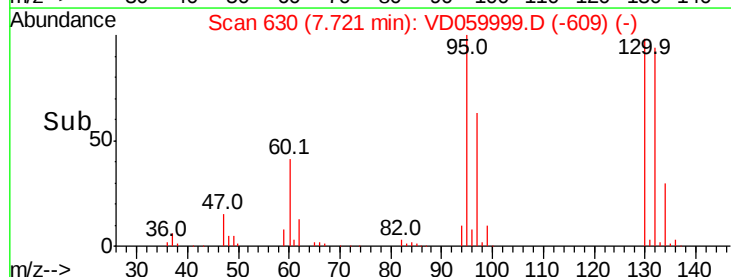
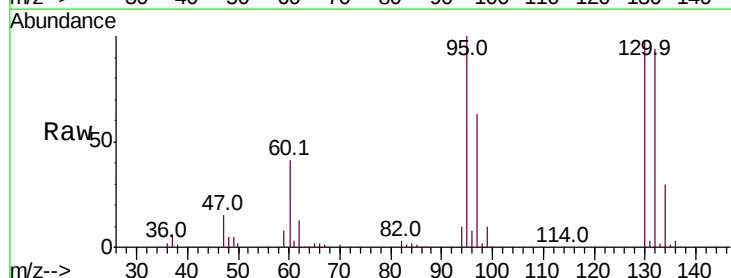
Acq: 13 Sep 2018 16:15

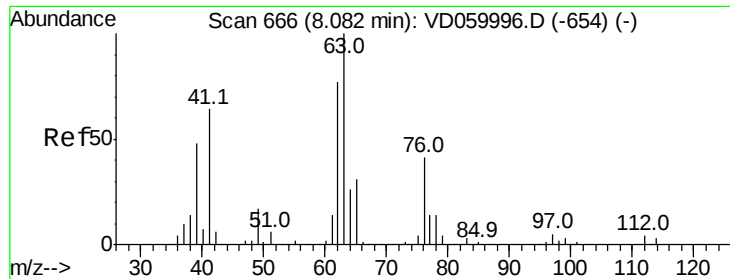
Tgt Ion:130 Resp: 901074

Ion Ratio Lower Upper

130 100

95 102.2 0.0 202.0





#45

1,2-Dichloropropane

Concen: 50.866 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

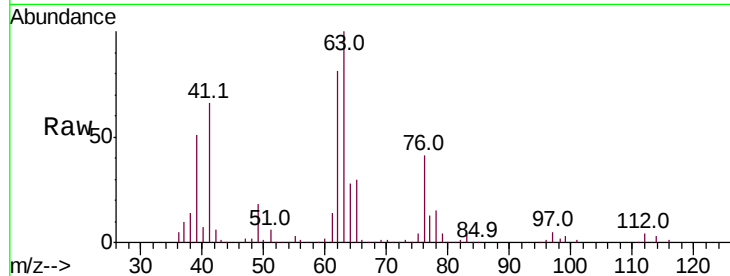
ClientSampleId :

Tot Ion: 63 Resp: 777721

Ion Ratio Lower Upper

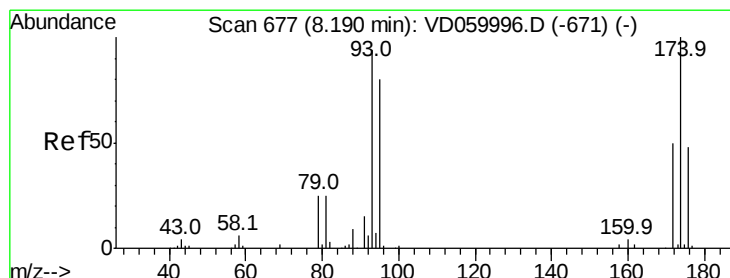
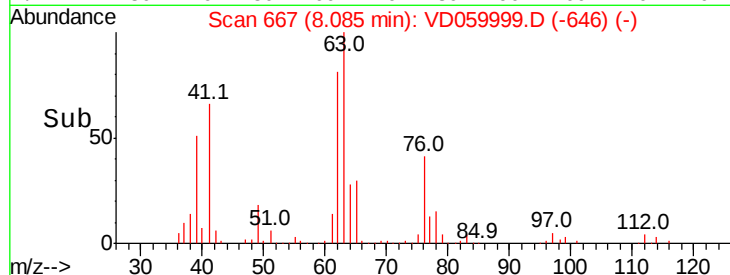
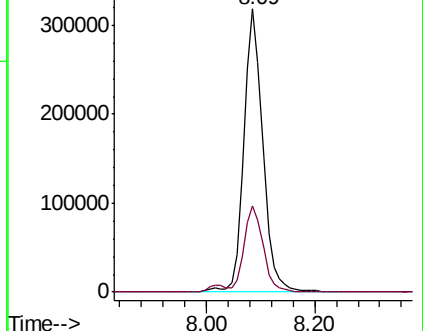
63 100

65 30.3 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.522 ug/l

RT: 8.20 min Scan# 679

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

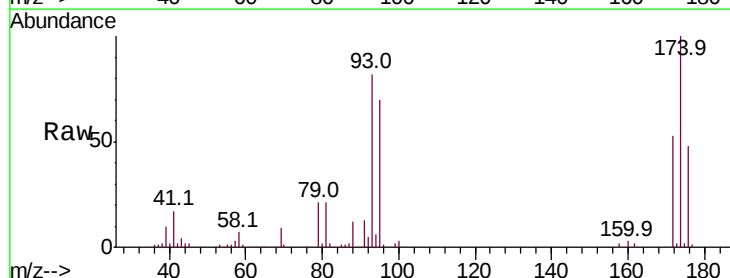
Tgt Ion: 93 Resp: 513980

Ion Ratio Lower Upper

93 100

95 85.2 68.0 102.0

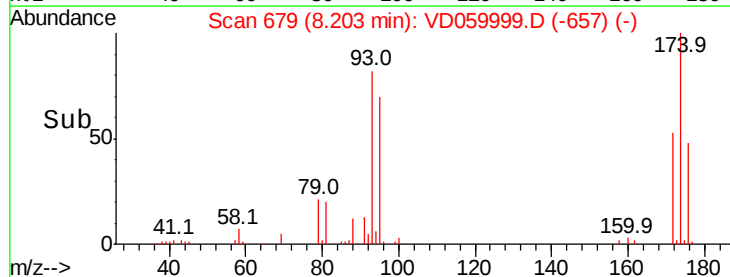
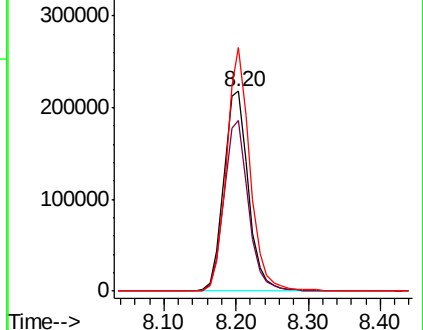
174 121.8 85.4 128.2

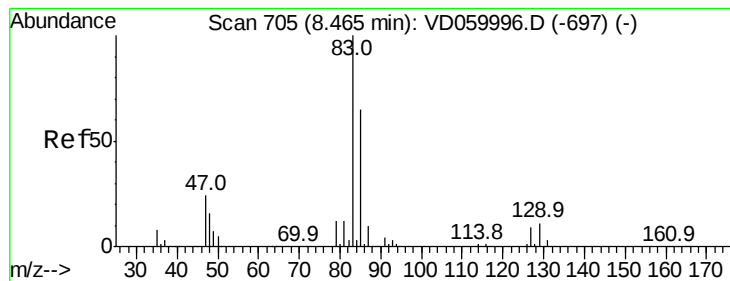


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.888 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

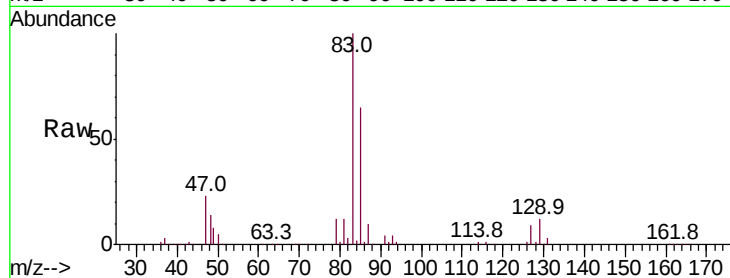
Tot Ion: 83 Resp: 1094518

Ion Ratio Lower Upper

83 100

85 65.2 51.9 77.9

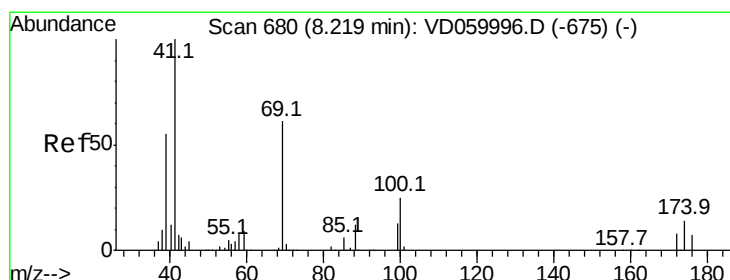
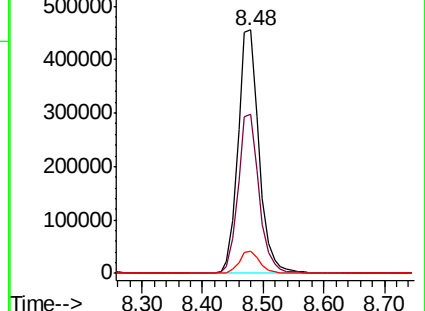
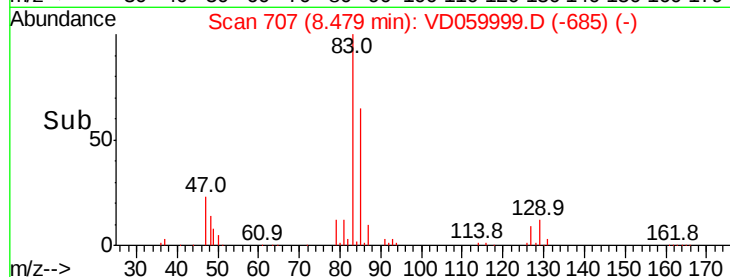
127 8.9 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.882 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

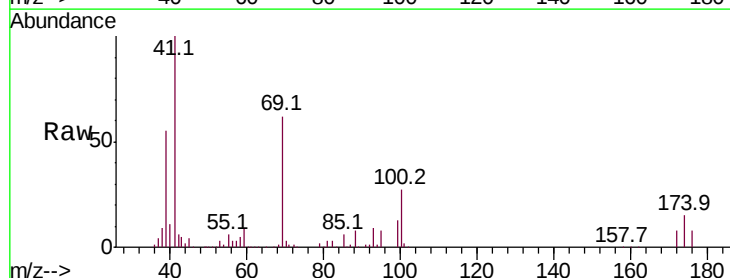
Tgt Ion: 41 Resp: 596856

Ion Ratio Lower Upper

41 100

69 61.6 48.3 72.5

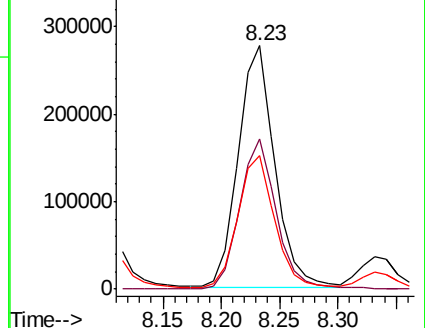
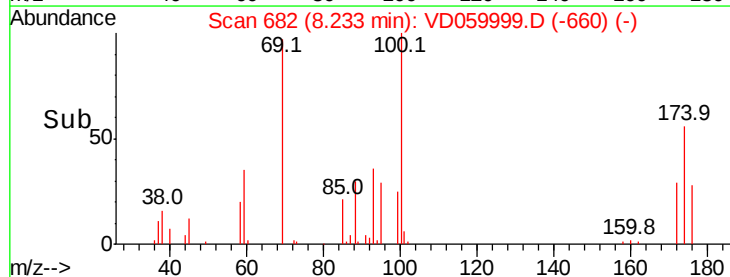
39 54.6 44.1 66.1

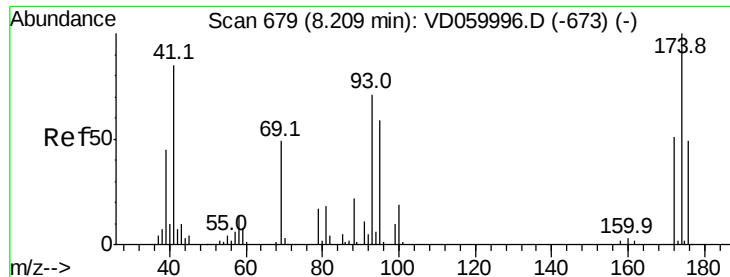


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 972.429 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampled :

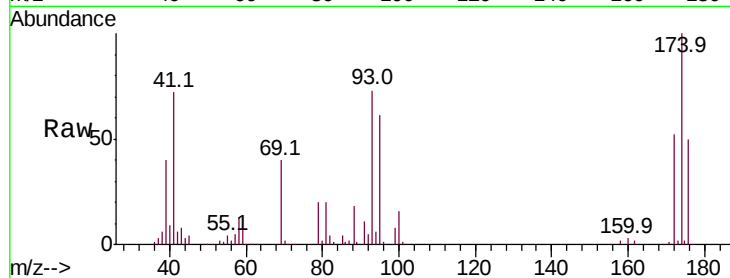
Tot Ion: 88 Resp: 111112

Ion Ratio Lower Upper

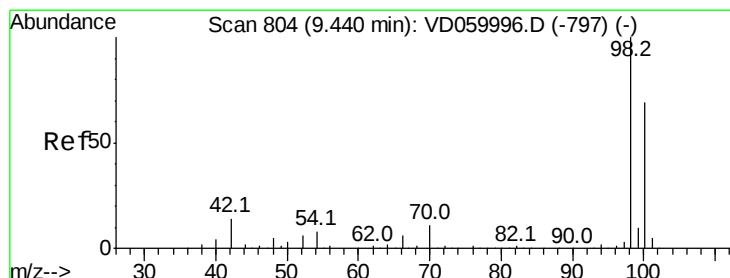
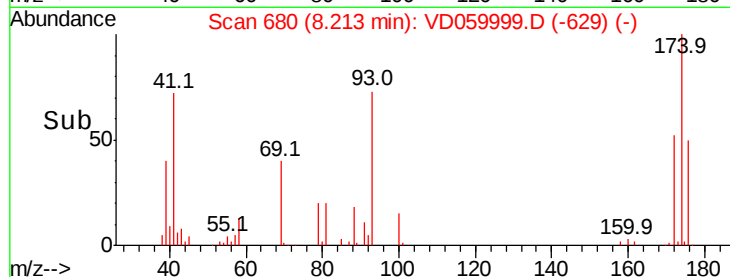
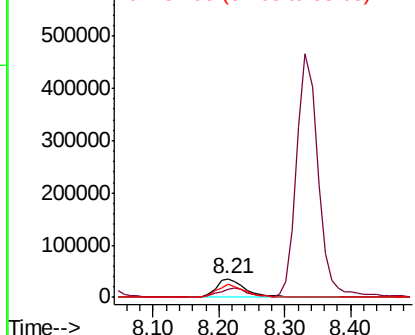
88 100

43 44.3 36.2 54.2

58 70.2 51.0 76.6



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: 972.429 ug/l

RT: 9.44 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD059999.D

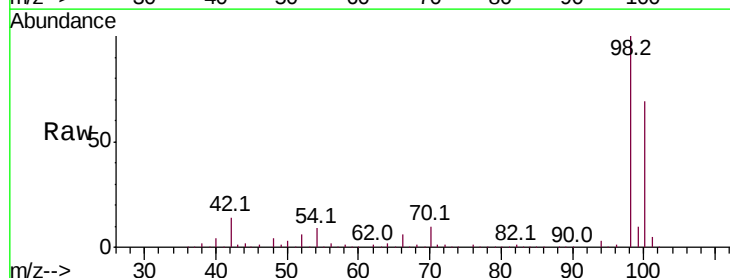
Acq: 13 Sep 2018 16:15

Tgt Ion: 98 Resp: 2489933

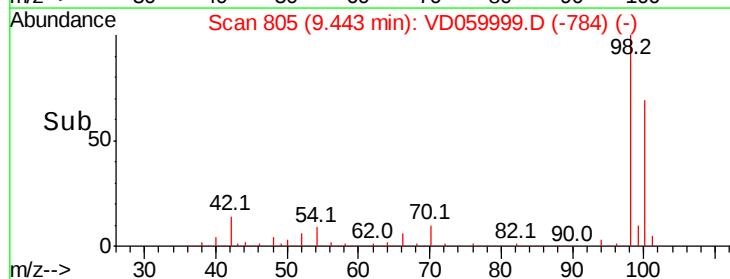
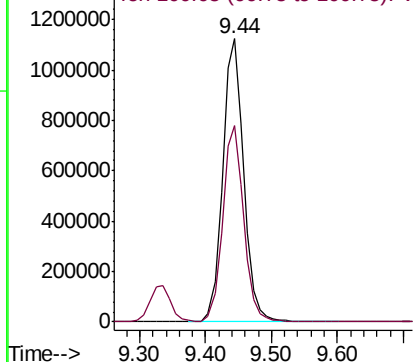
Ion Ratio Lower Upper

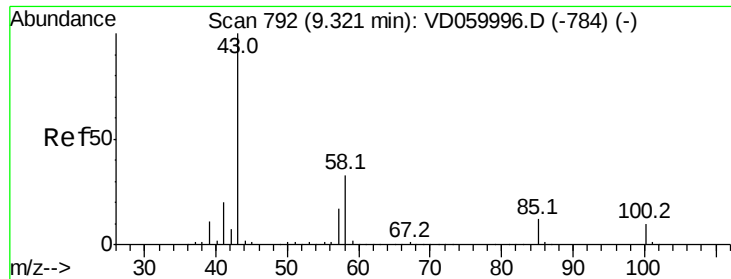
98 100

100 69.4 55.8 83.6



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: 232.838 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

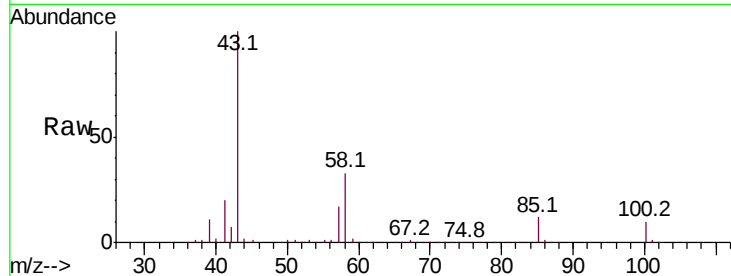
ClientSampled :

Tot Ion: 43 Resp: 3195558

Ion Ratio Lower Upper

43 100

58 33.1 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

1000000

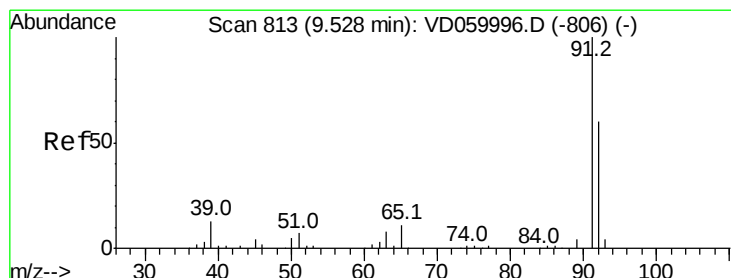
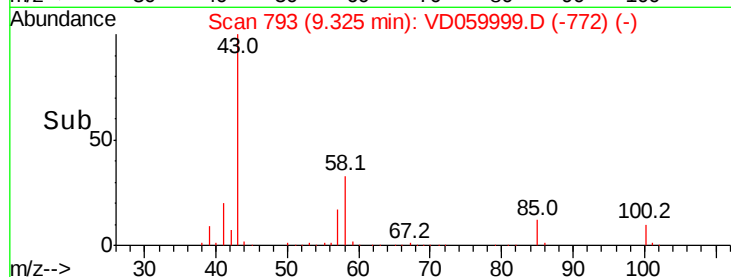
500000

0

9.33

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 51.510 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD059999.D

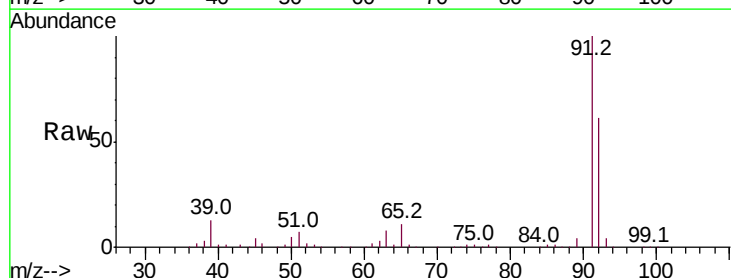
Acq: 13 Sep 2018 16:15

Tgt Ion: 92 Resp: 1887889

Ion Ratio Lower Upper

92 100

91 164.9 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

1000000

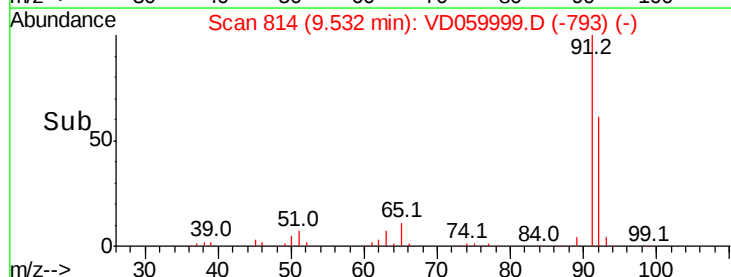
500000

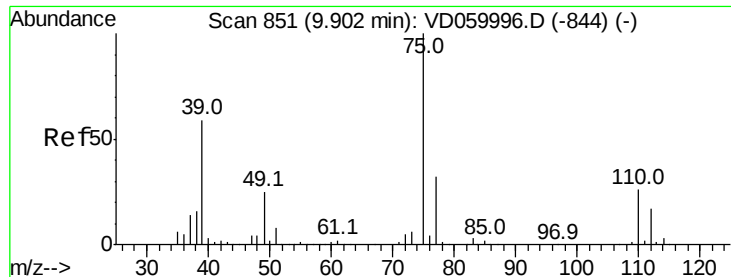
0

9.53

9.40 9.50 9.60 9.70

Time-->

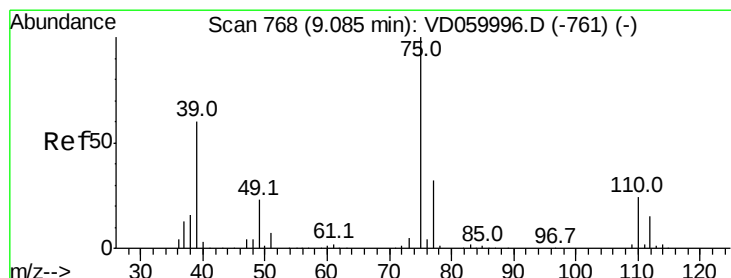
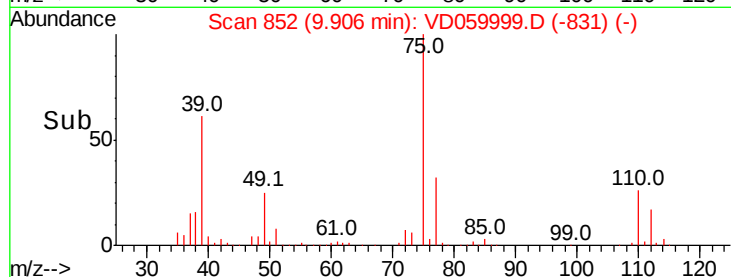
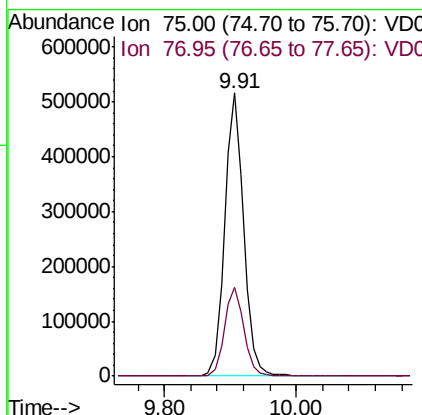
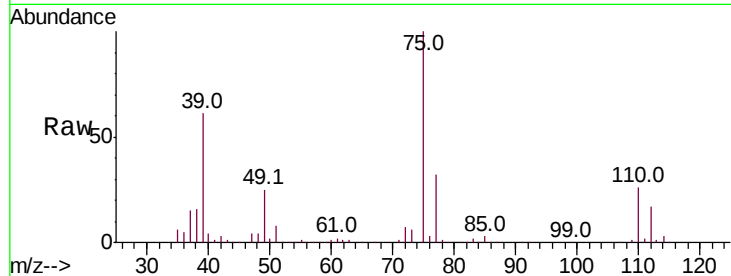




#53
 t-1,3-Dichloropropene
 Concen: 51.416 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

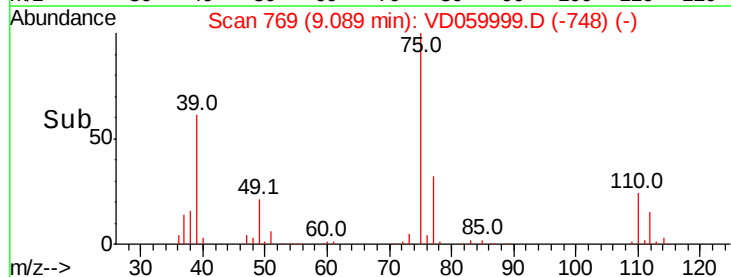
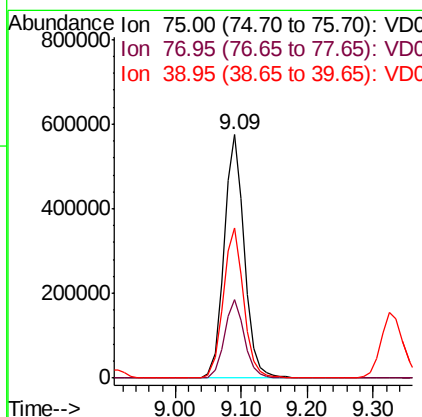
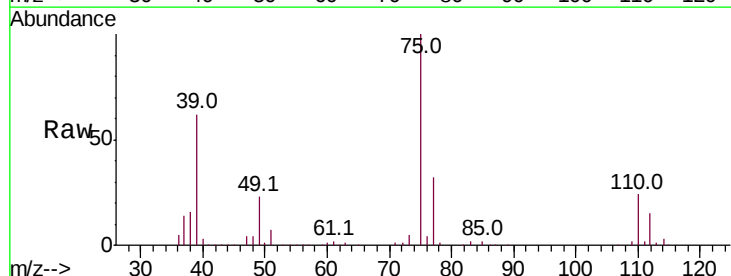
Instrument :
 MSVOA_D
 ClientSampled :

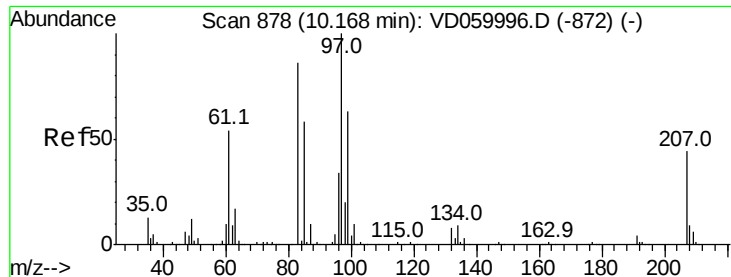
Tot Ion: 75 Resp: 1031406
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 51.584 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 75 Resp: 1236345
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 61.7 48.0 72.0





#55

1,1,2-Trichloroethane

Concen: 48.527 ug/l

RT: 10.17 min Scan# 879

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

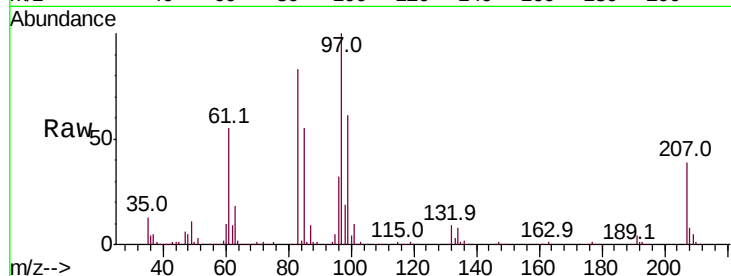
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 617522

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.1	103.7
85	54.6	46.2	69.4
99	61.3	50.6	75.8

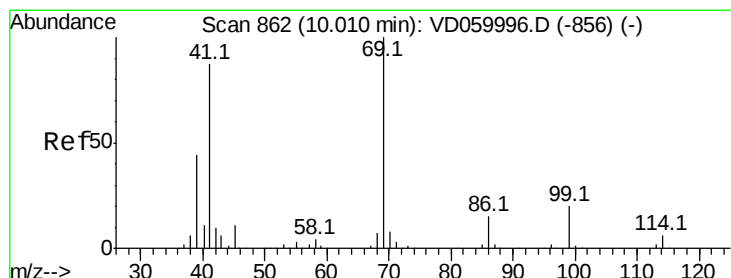
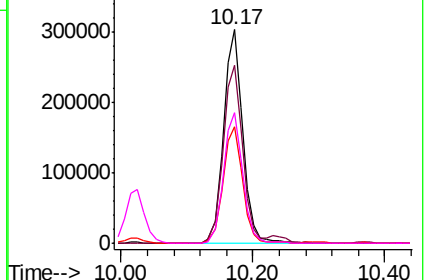
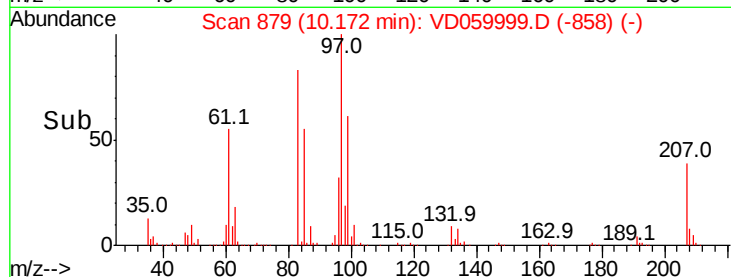


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.333 ug/l

RT: 10.01 min Scan# 863

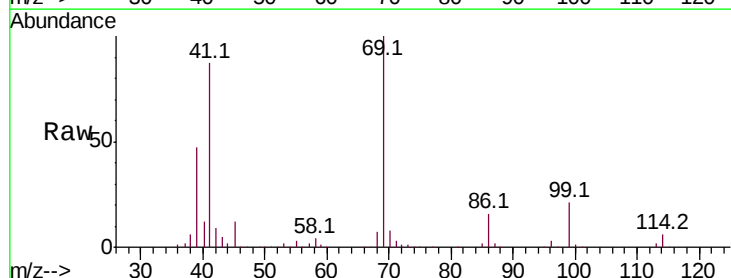
Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion: 69 Resp: 724543

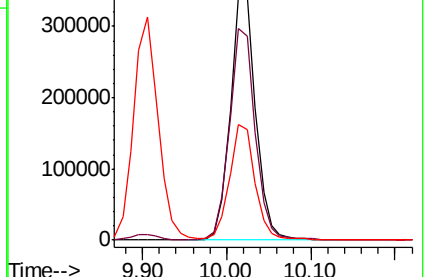
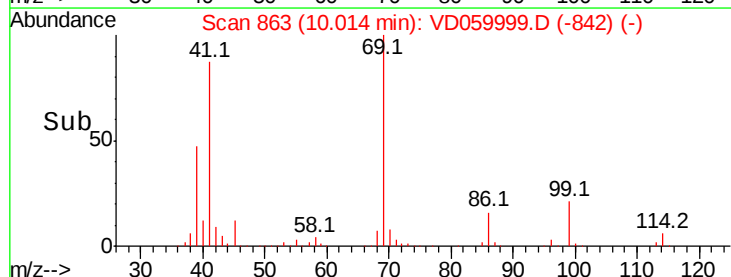
Ion	Ratio	Lower	Upper
69	100		
41	86.9	70.1	105.1
39	47.4	36.5	54.7

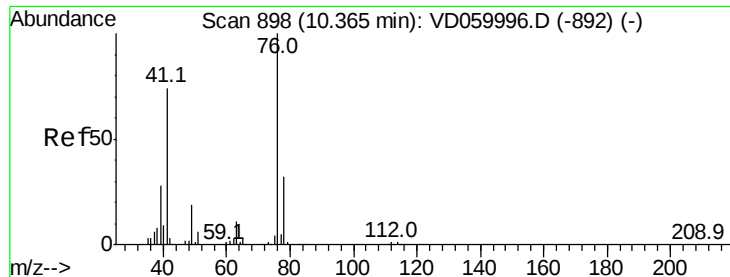


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.857 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

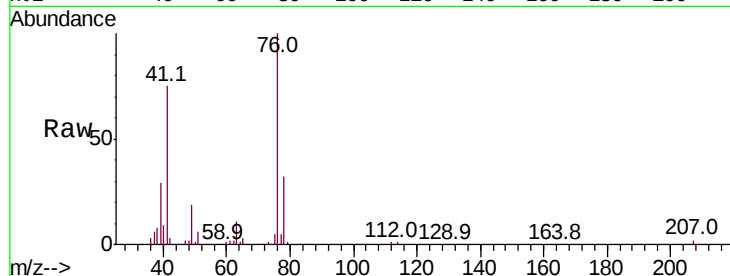
ClientSampled :

Tot Ion: 76 Resp: 955285

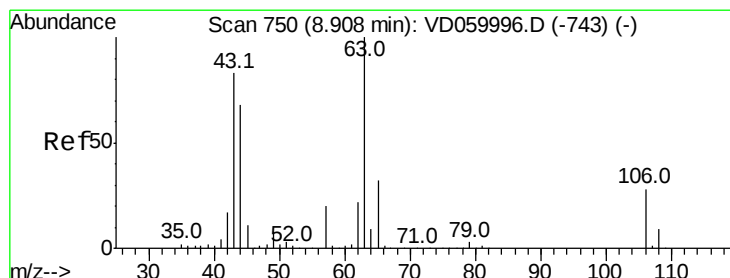
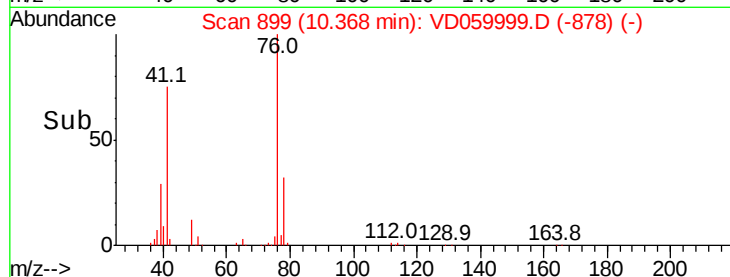
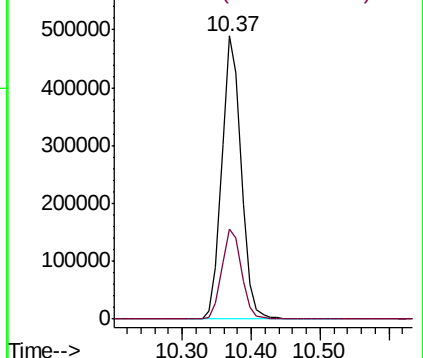
Ion Ratio Lower Upper

76 100

78 31.8 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 256.165 ug/l

RT: 8.91 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD059999.D

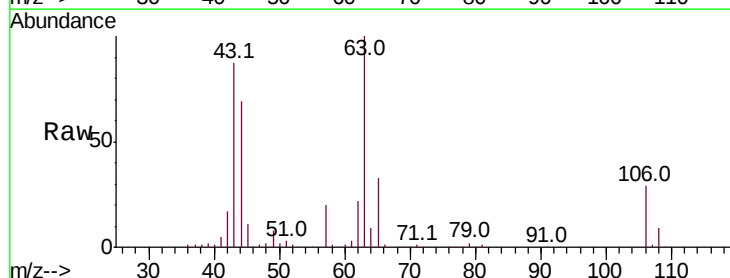
Acq: 13 Sep 2018 16:15

Tgt Ion: 63 Resp: 1745969

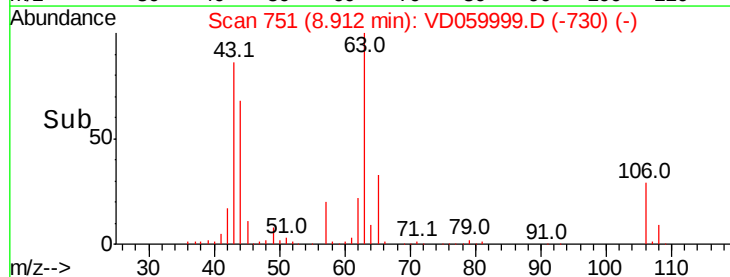
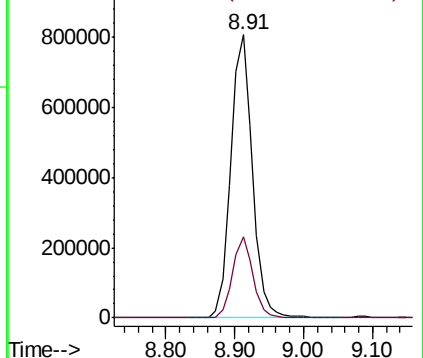
Ion Ratio Lower Upper

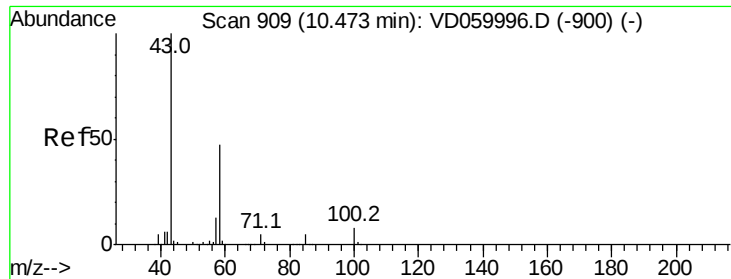
63 100

106 28.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

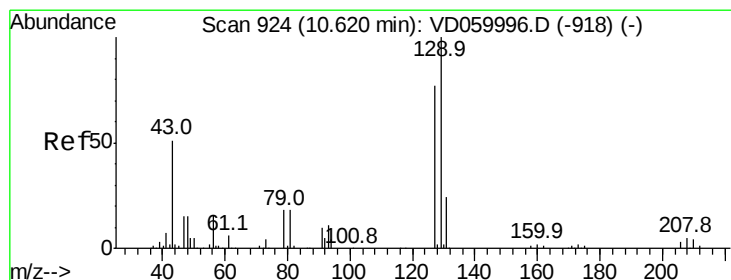
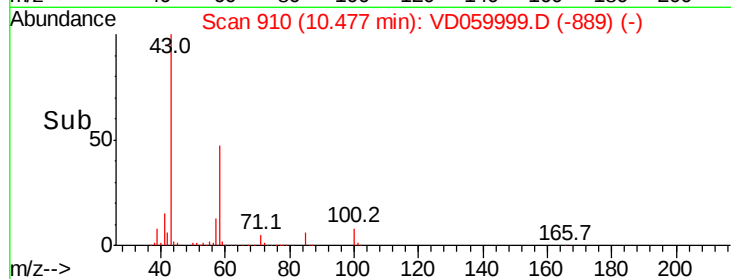
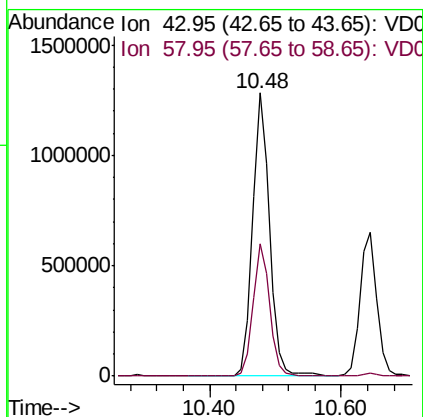
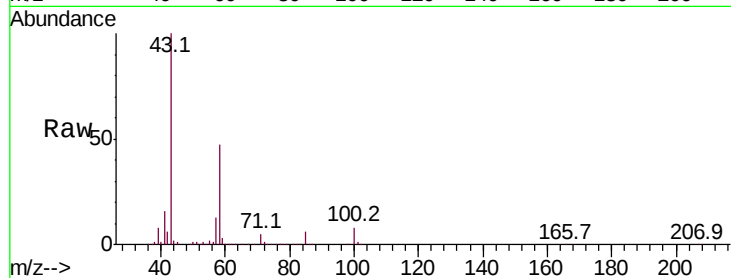




#59
2-Hexanone
Concen: 237.875 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

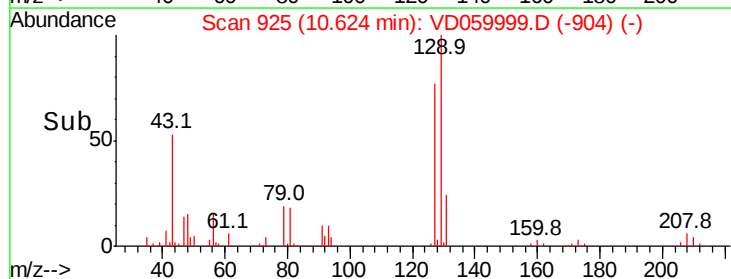
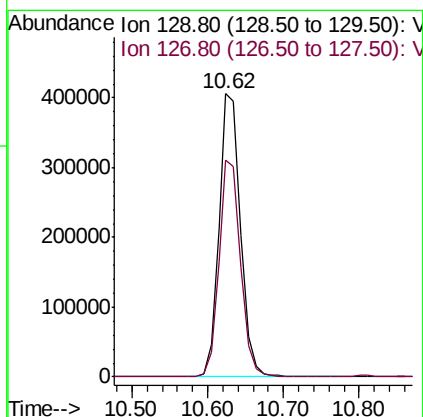
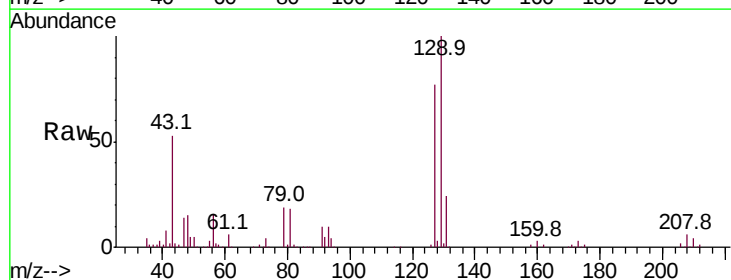
Instrument :
MSVOA_D
ClientSampled :

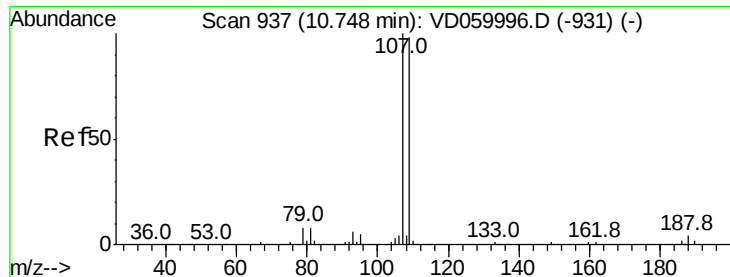
Tot Ion: 43 Resp: 2327271
Ion Ratio Lower Upper
43 100
58 47.0 23.4 70.0



#60
Dibromochloromethane
Concen: 51.751 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:129 Resp: 801550
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0

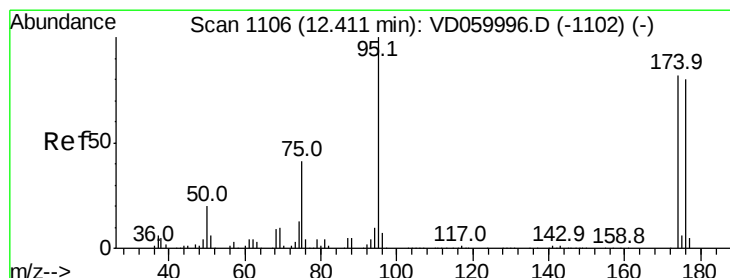
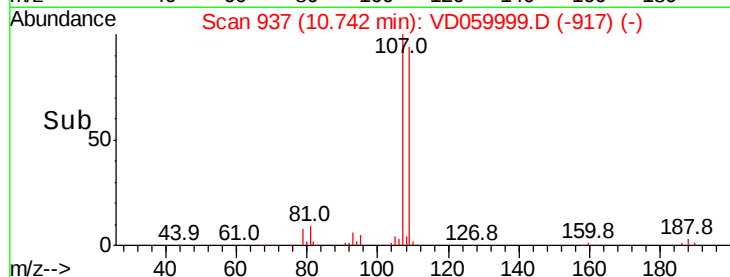
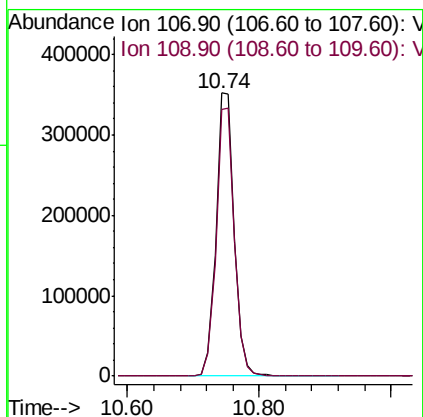
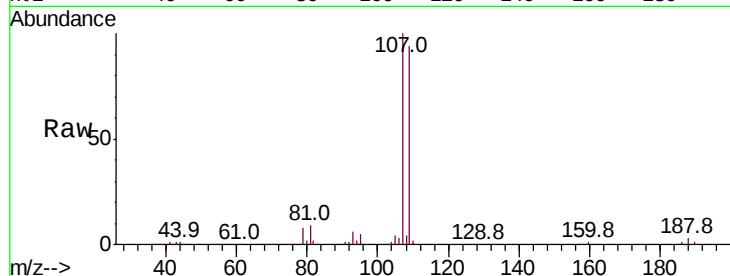




#61
 1,2-Dibromoethane
 Concen: 50.774 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

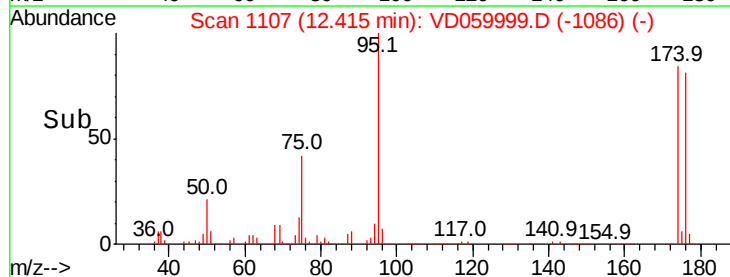
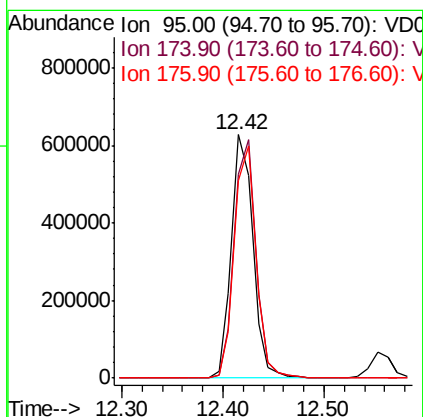
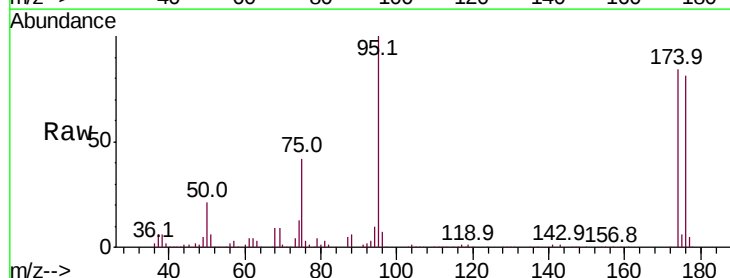
Instrument :
 MSVOA_D
 ClientSampleId :

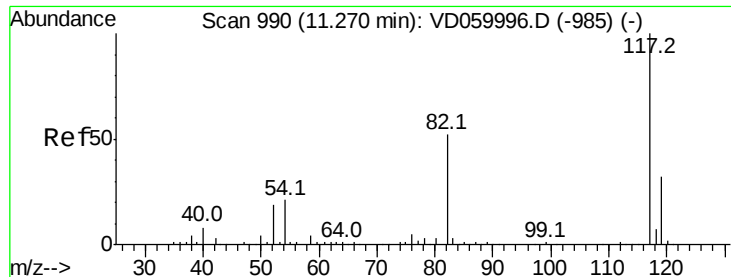
Tot Ion:107 Resp: 667092
 Ion Ratio Lower Upper
 107 100
 109 94.3 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 50.774 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 95 Resp: 934386
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 165.0
 176 81.0 0.0 160.2

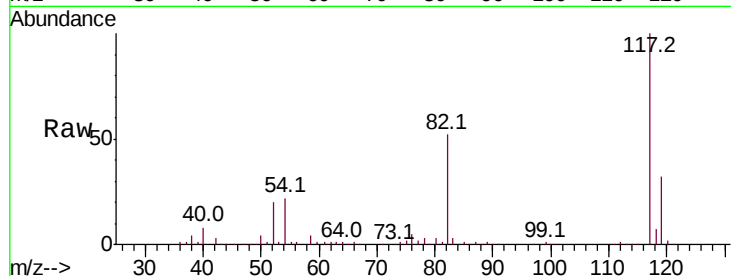




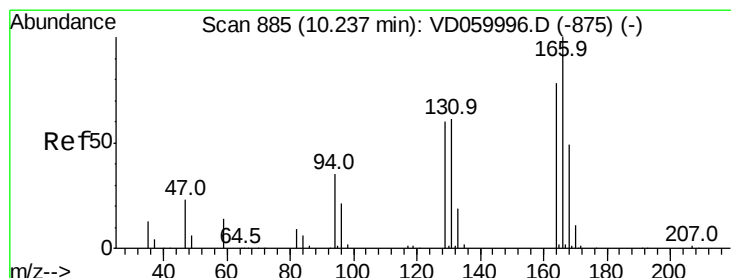
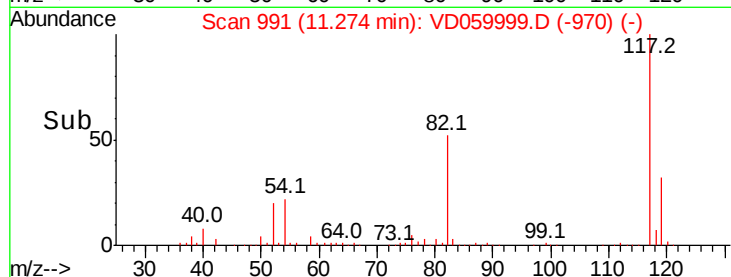
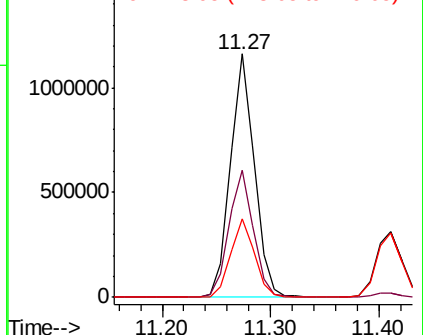
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1800231
Ion Ratio Lower Upper
117 100
82 52.4 41.7 62.5
119 32.3 26.0 39.0

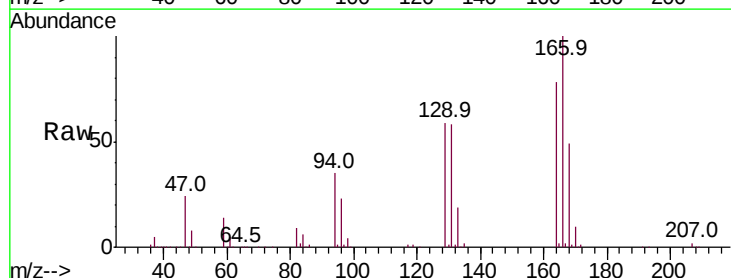


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

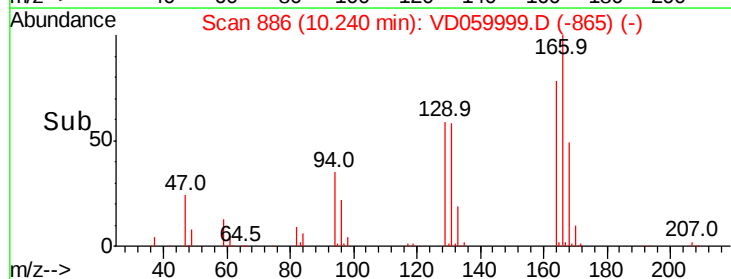
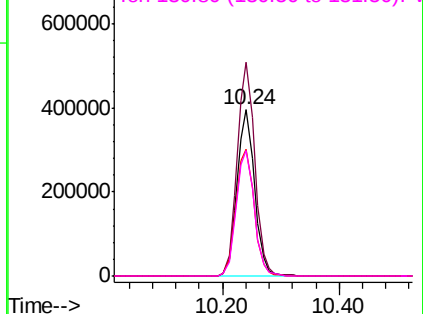


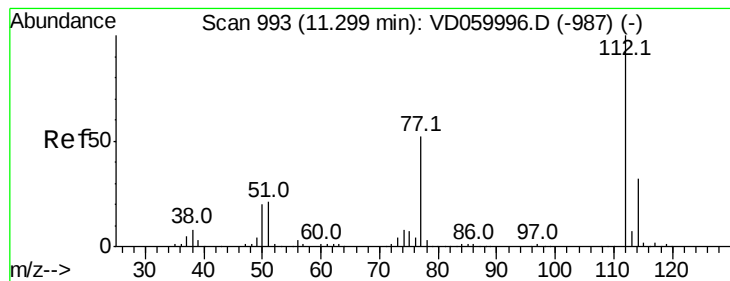
#64
Tetrachloroethene
Concen: 52.178 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:164 Resp: 828757
Ion Ratio Lower Upper
164 100
166 128.5 103.0 154.6
129 76.5 61.9 92.9
131 75.2 62.6 93.8



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





#65

Chlorobenzene

Concen: 52.977 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

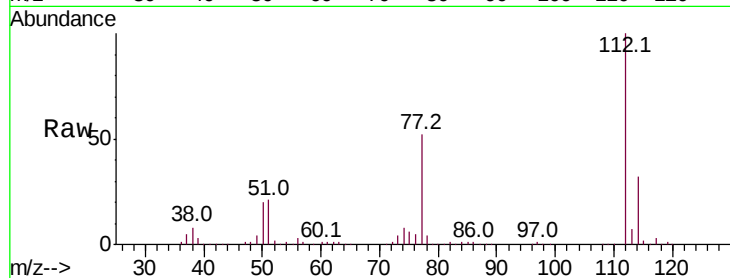
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 2050432

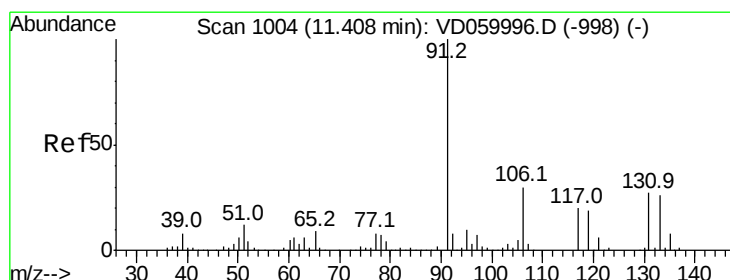
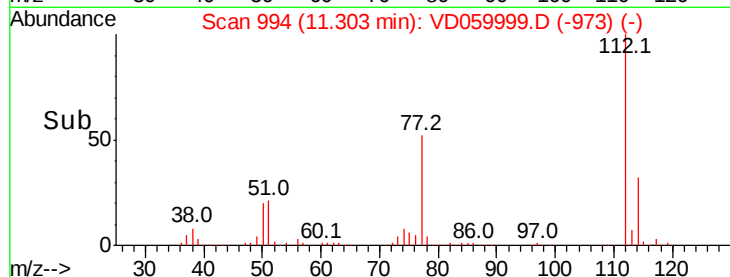
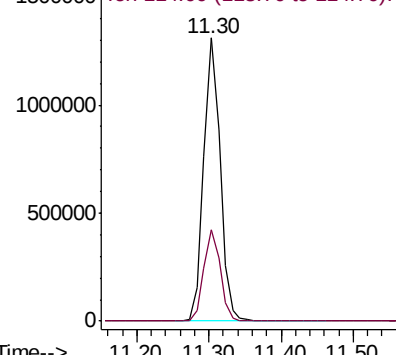
Ion Ratio Lower Upper

112 100

114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.726 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

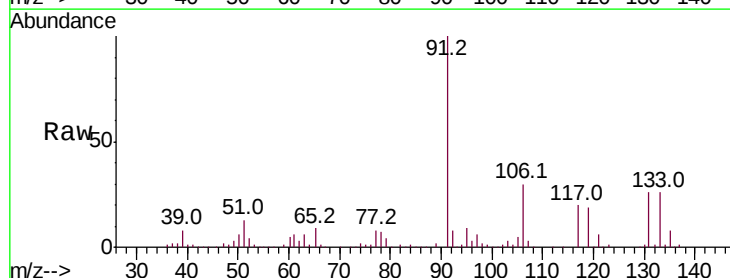
Tgt Ion:131 Resp: 701352

Ion Ratio Lower Upper

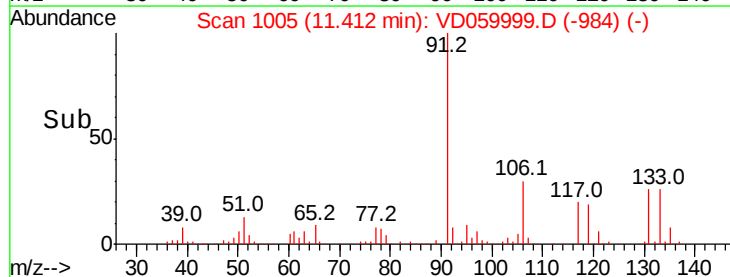
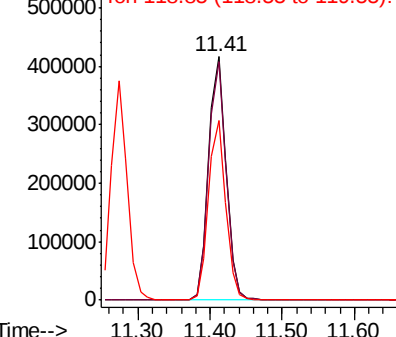
131 100

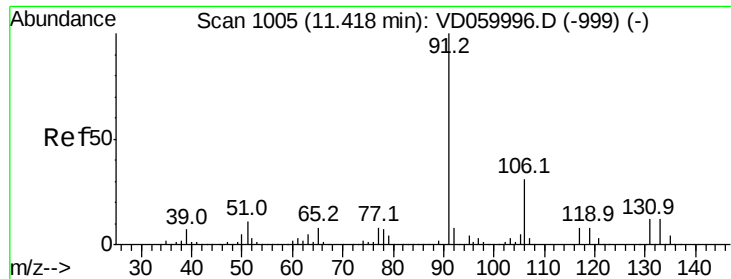
133 98.0 47.4 142.3

119 73.9 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

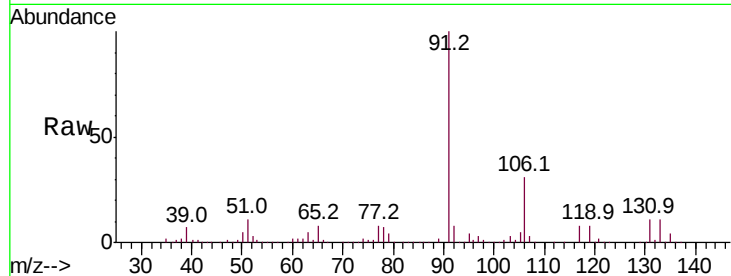




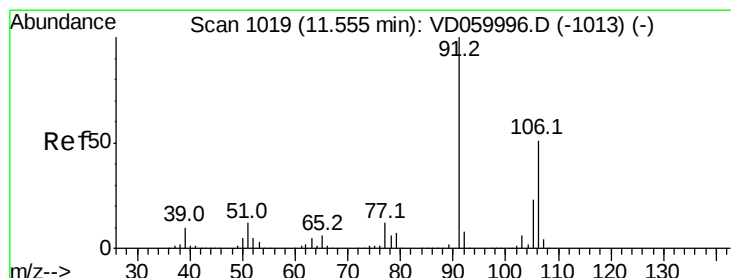
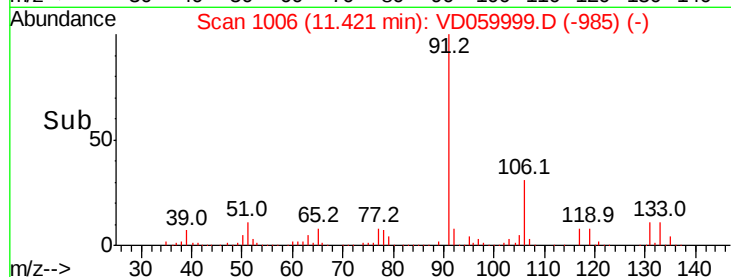
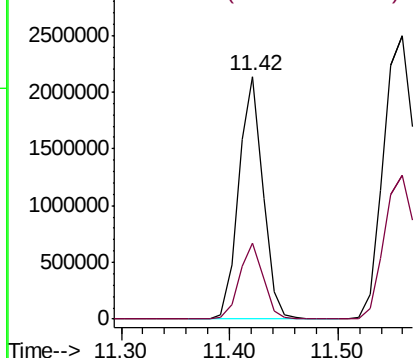
#67
Ethyl Benzene
Concen: 53.413 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 3326868
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

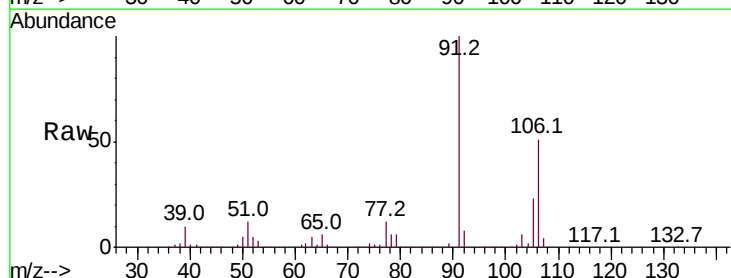


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

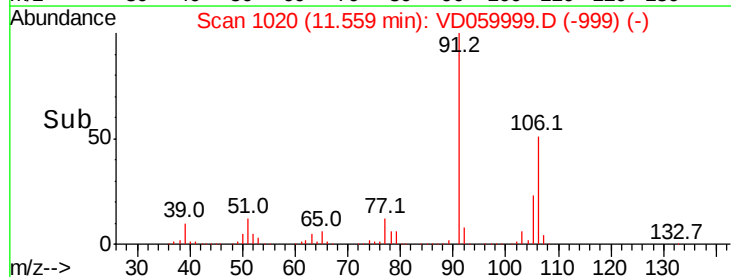
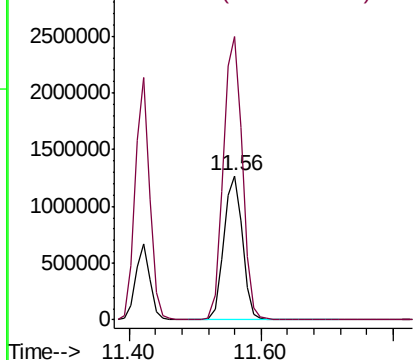


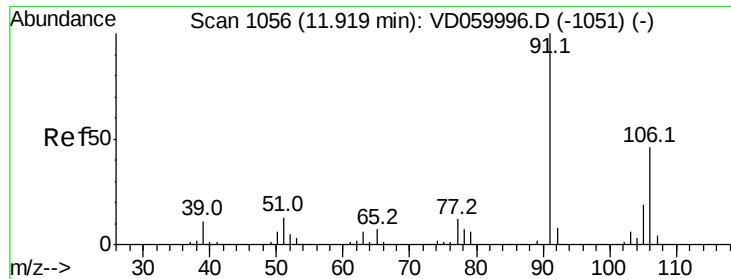
#68
m/p-Xylenes
Concen: 109.034 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:106 Resp: 2508170
Ion Ratio Lower Upper
106 100
91 196.4 157.0 235.6



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

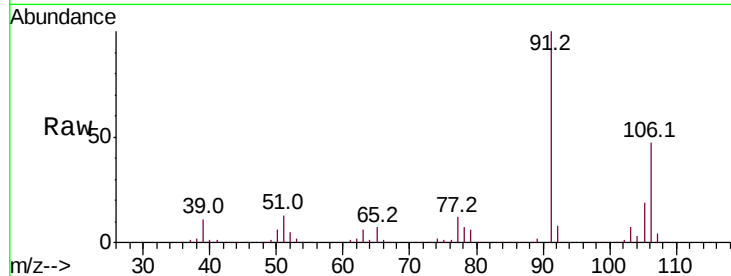




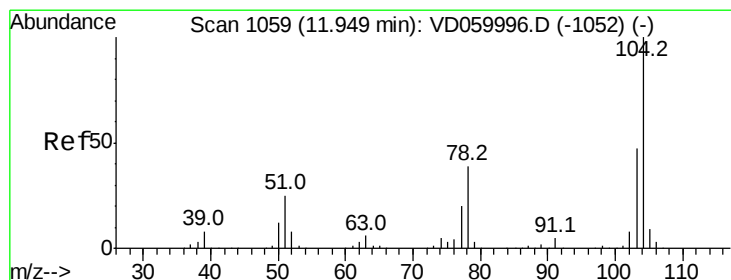
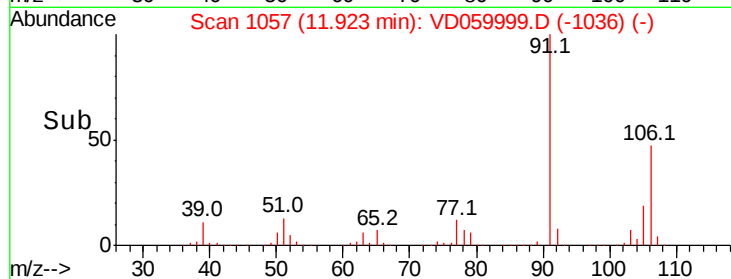
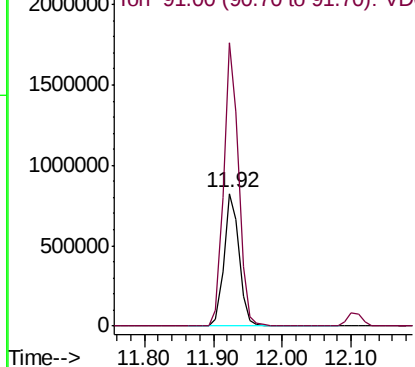
#69
o-Xylene
Concen: 54.681 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1246354
Ion Ratio Lower Upper
106 100
91 212.8 107.7 323.1

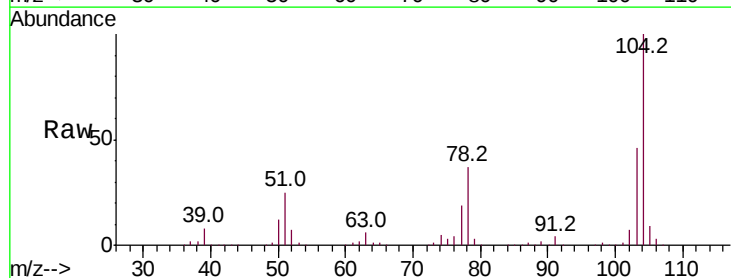


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

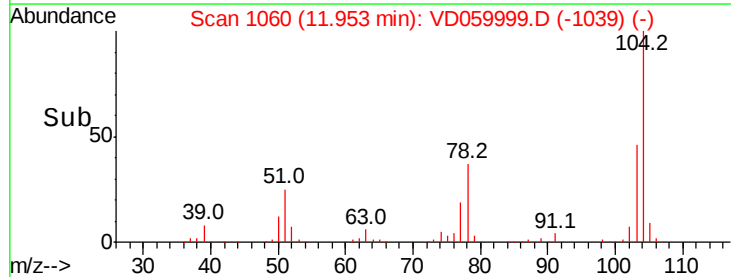
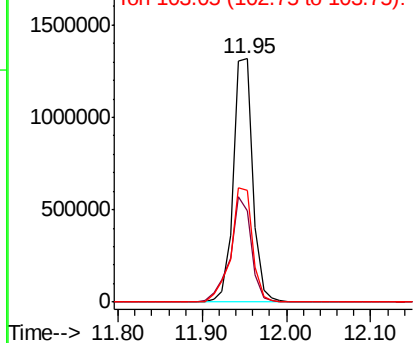


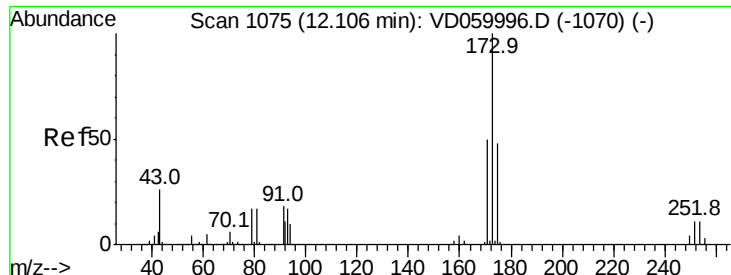
#70
Styrene
Concen: 55.041 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:104 Resp: 2109434
Ion Ratio Lower Upper
104 100
78 37.4 31.0 46.4
103 45.8 37.6 56.4



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

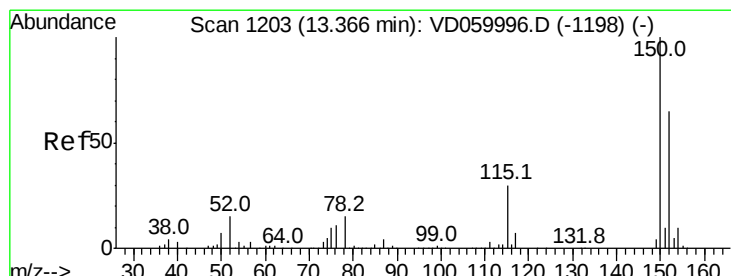
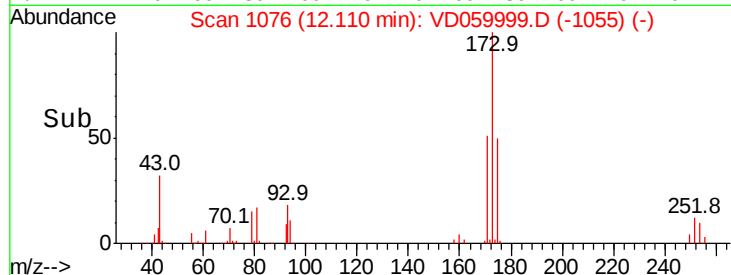
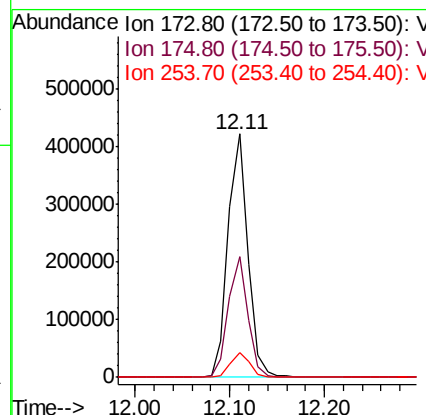
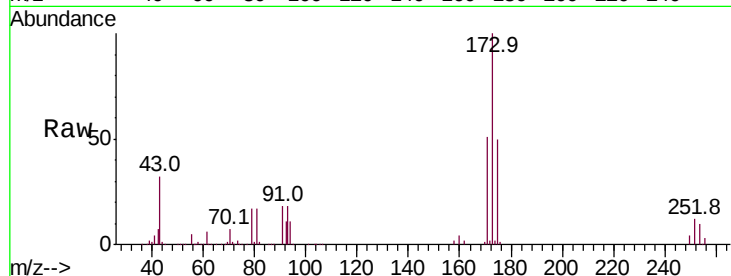




#71
Bromoform
Concen: 54.463 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

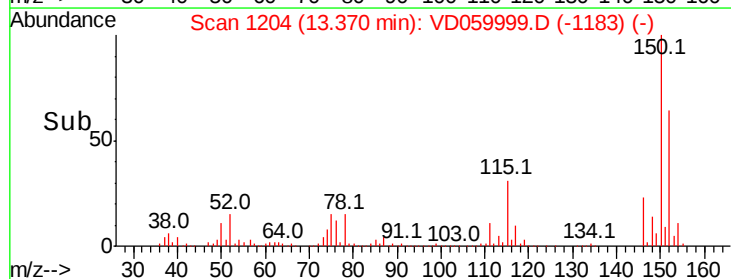
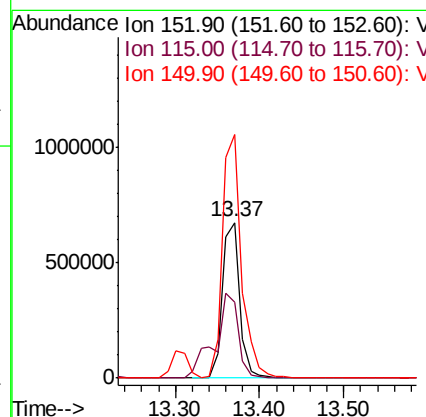
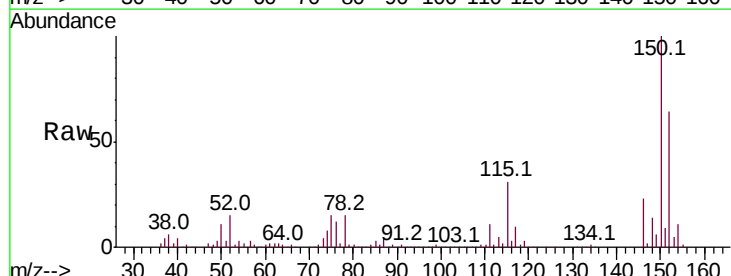
Instrument :
MSVOA_D
ClientSampleId :

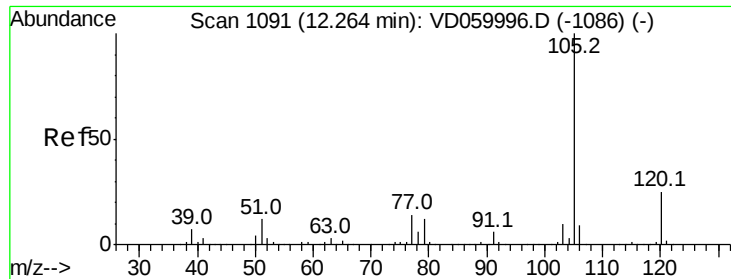
Tot Ion:173 Resp: 610846
Ion Ratio Lower Upper
173 100
175 49.8 24.0 72.0
254 10.4 8.6 13.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:152 Resp: 962465
Ion Ratio Lower Upper
152 100
115 48.6 24.6 73.8
150 156.7 0.0 313.4





#73

Isopropylbenzene

Concen: 52.656 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

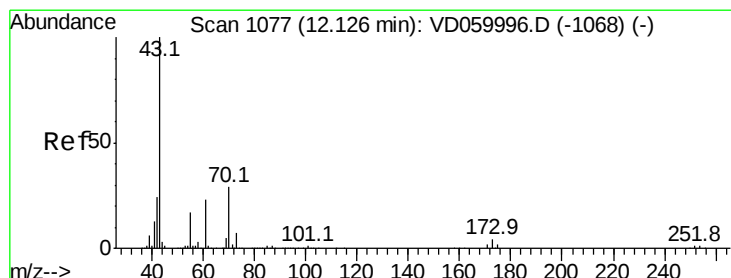
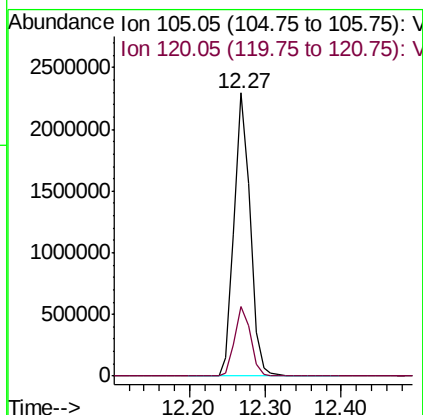
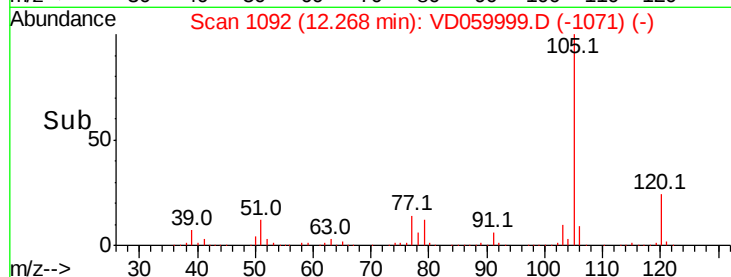
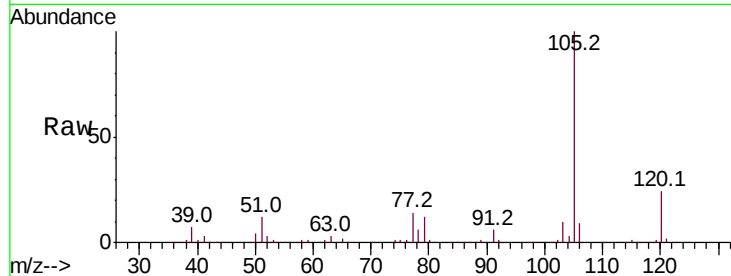
ClientSampleId :

Tot Ion:105 Resp: 3323827

Ion Ratio Lower Upper

105 100

120 24.4 12.3 36.9



#74

N-ethyl acetate

Concen: 51.307 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion: 43 Resp: 1282870

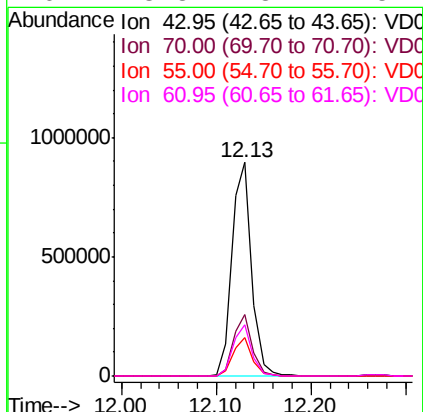
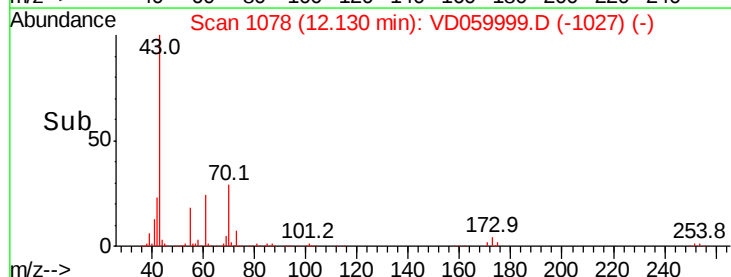
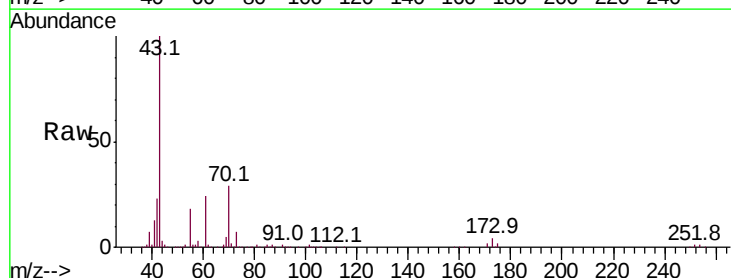
Ion Ratio Lower Upper

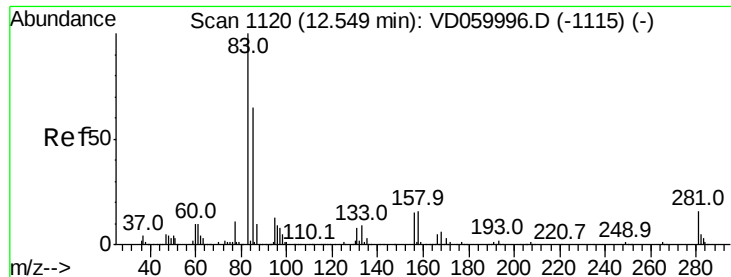
43 100

70 29.1 22.9 34.3

55 17.8 14.0 21.0

61 23.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.484 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

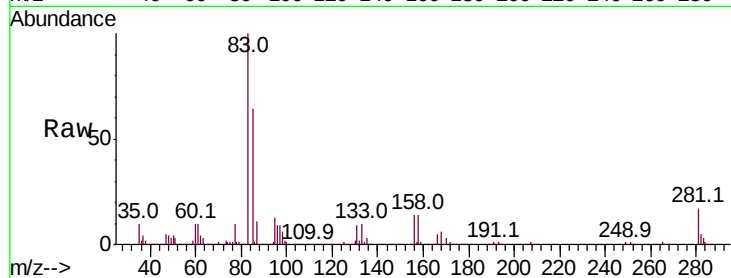
Tot Ion: 83 Resp: 737242

Ion Ratio Lower Upper

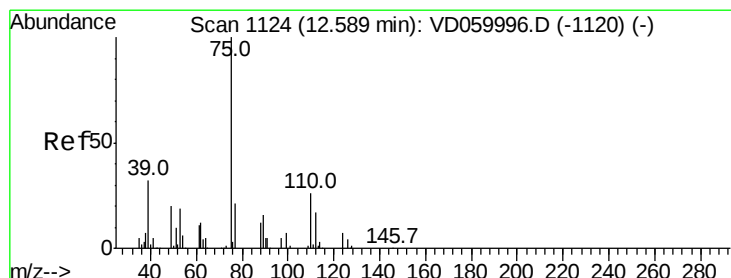
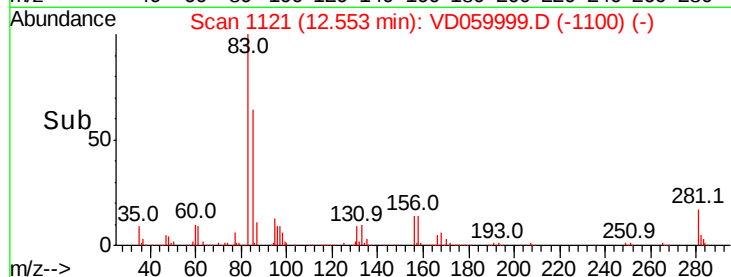
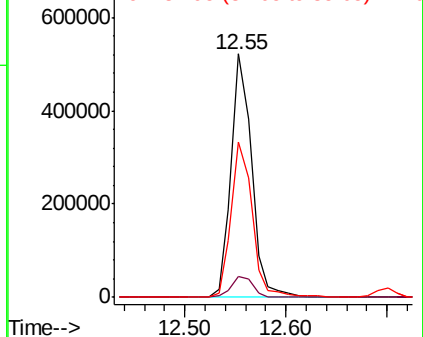
83 100

131 8.6 4.1 12.3

85 63.6 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 51.698 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD059999.D

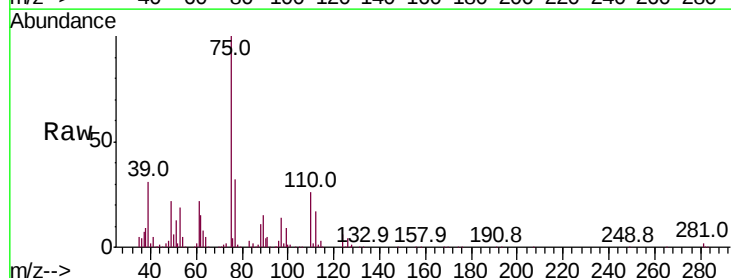
Acq: 13 Sep 2018 16:15

Tgt Ion: 75 Resp: 759934

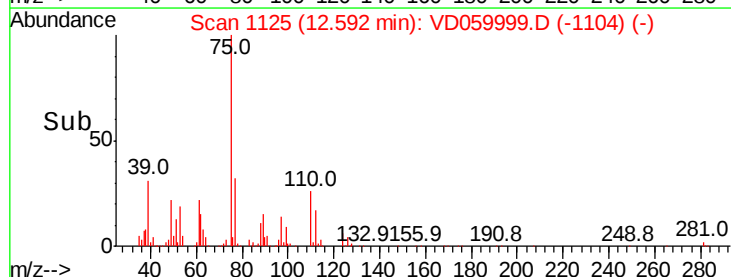
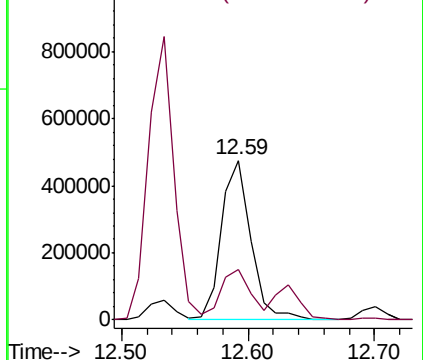
Ion Ratio Lower Upper

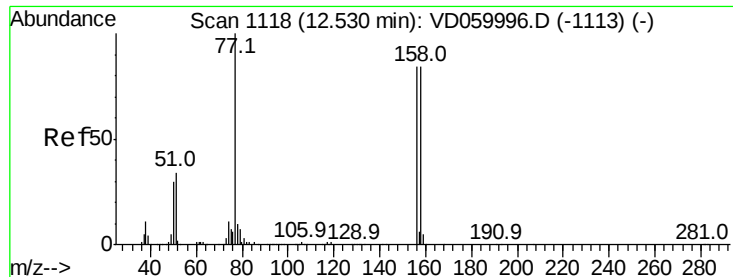
75 100

77 32.0 16.4 49.4



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





#77

Bromobenzene

Concen: 53.319 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

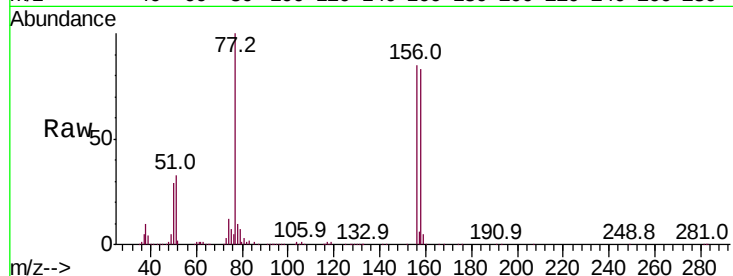
Tot Ion:156 Resp: 969498

Ion Ratio Lower Upper

156 100

77 117.1 59.5 178.4

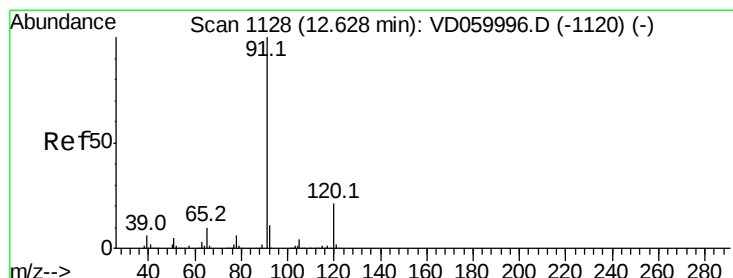
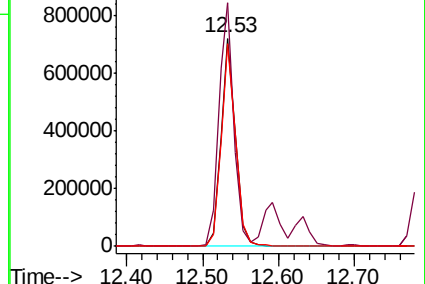
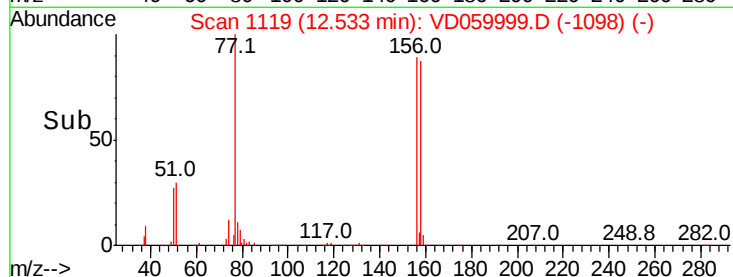
158 97.5 50.0 149.8



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: 52.245 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD059999.D

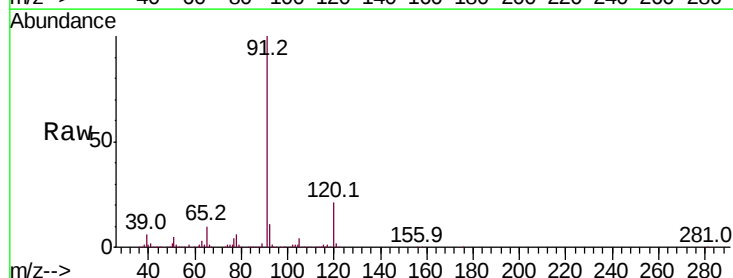
Acq: 13 Sep 2018 16:15

Tgt Ion: 91 Resp: 4147101

Ion Ratio Lower Upper

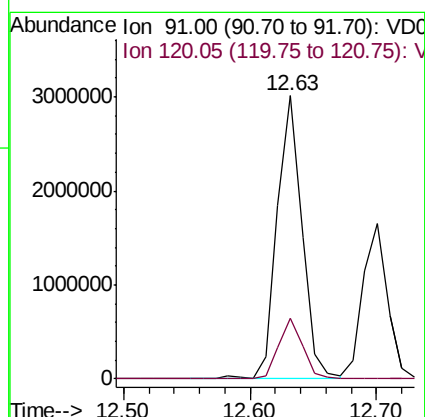
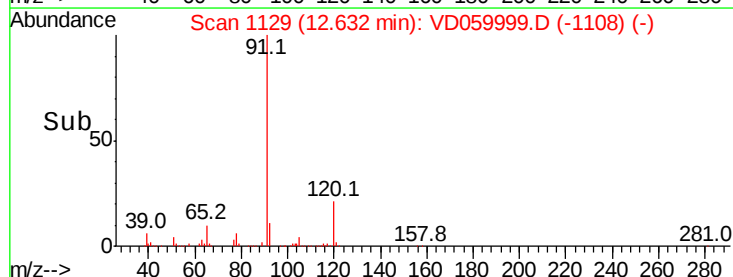
91 100

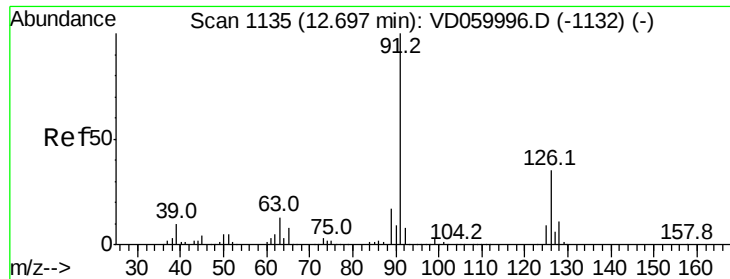
120 21.5 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

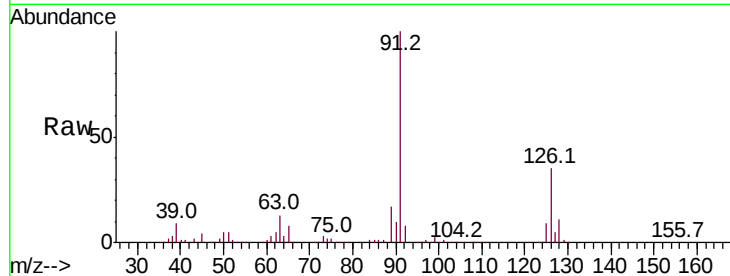




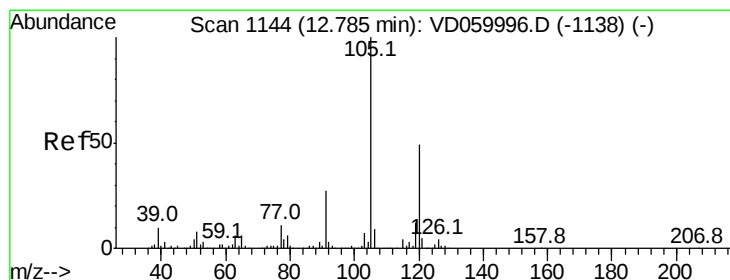
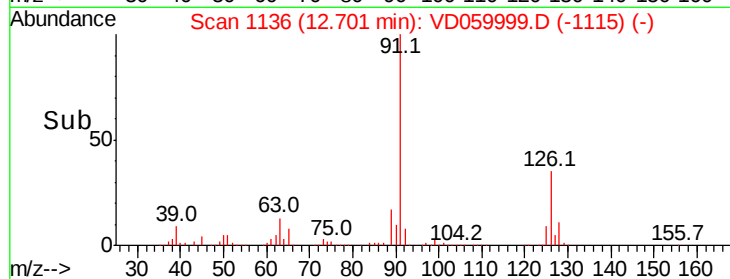
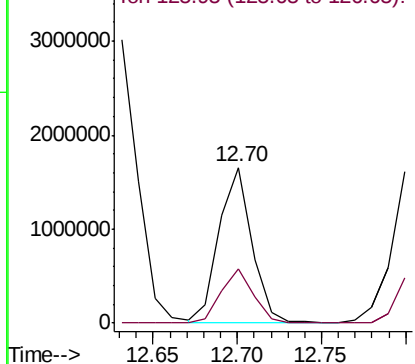
#79
 2-Chlorotoluene
 Concen: 50.233 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 2250558
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.3 52.0

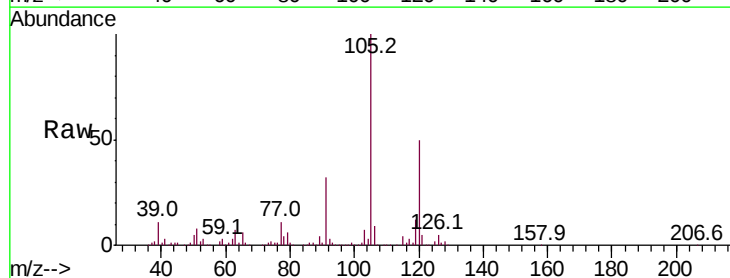


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

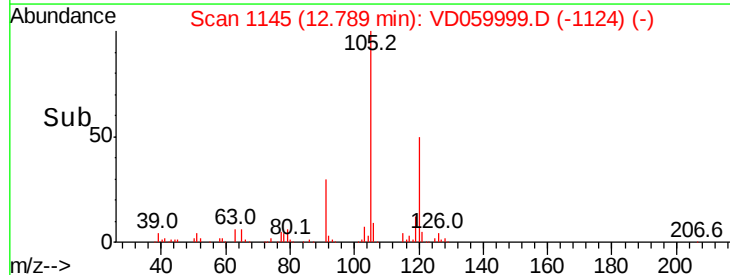
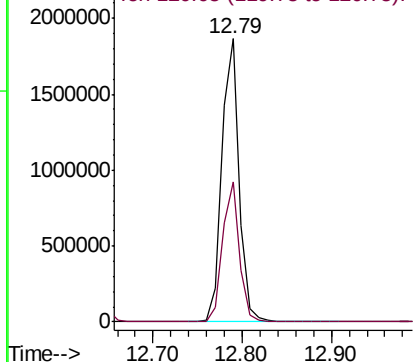


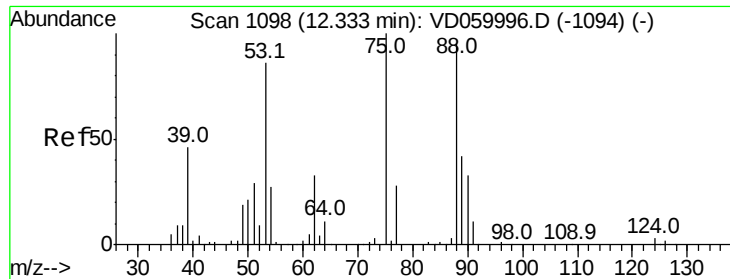
#80
 1,3,5-Trimethylbenzene
 Concen: 52.407 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion:105 Resp: 2535535
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.2



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: 51.666 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

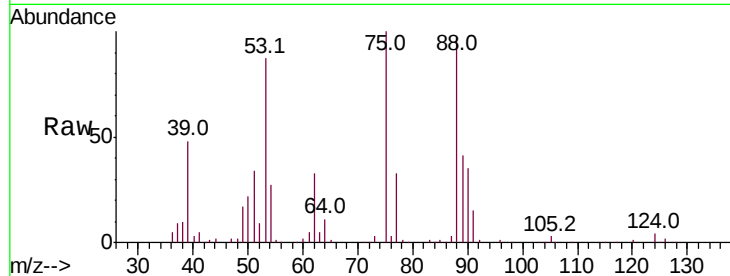
Tot Ion: 75 Resp: 229257

Ion Ratio Lower Upper

75 100

53 86.6 68.4 102.6

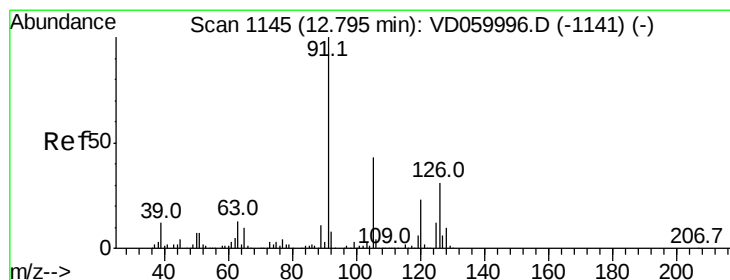
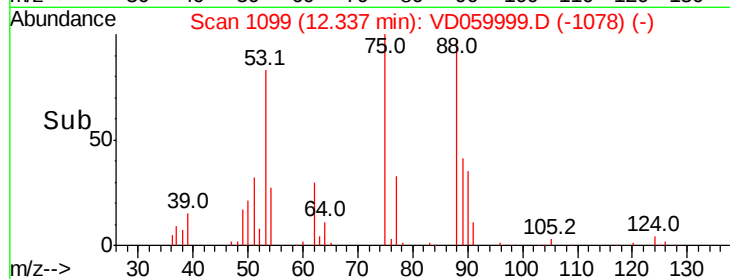
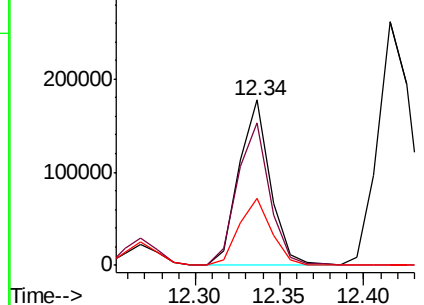
89 41.0 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.406 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD059999.D

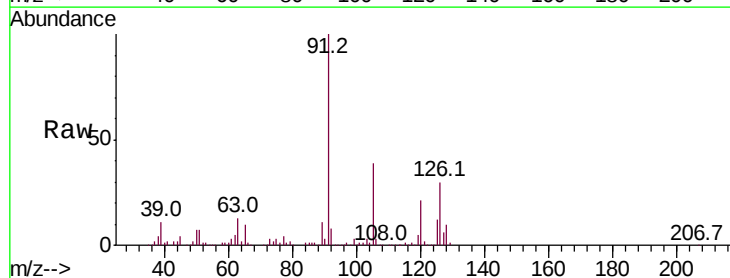
Acq: 13 Sep 2018 16:15

Tgt Ion: 91 Resp: 2532128

Ion Ratio Lower Upper

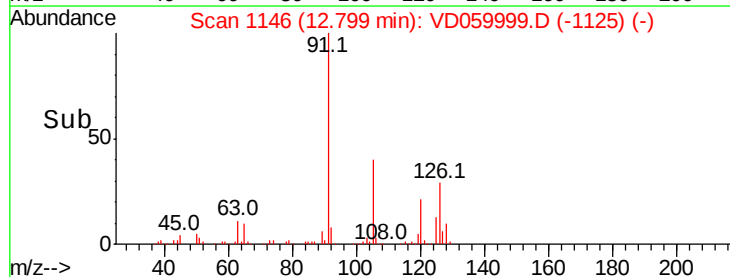
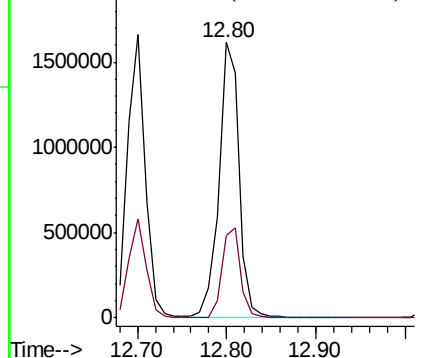
91 100

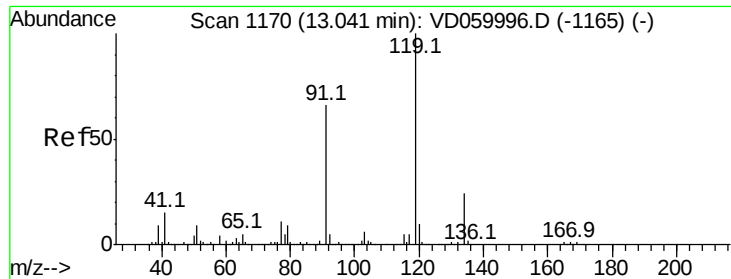
126 30.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

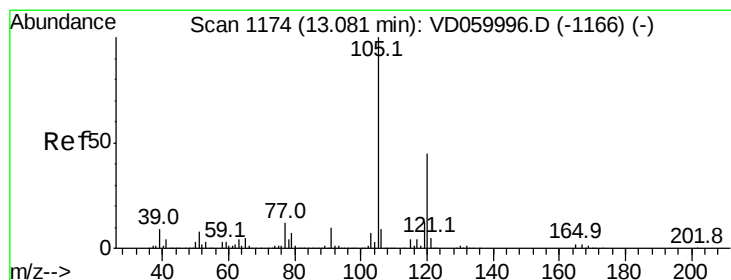
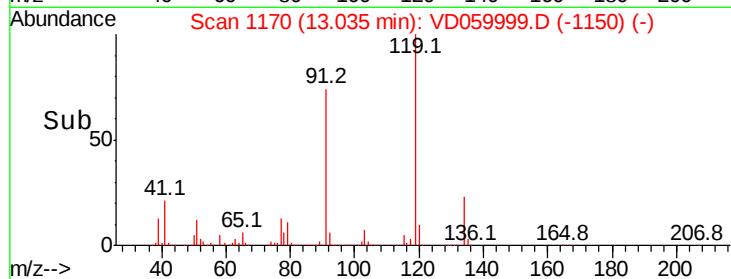
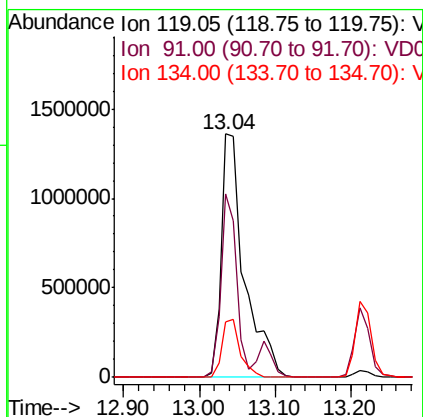
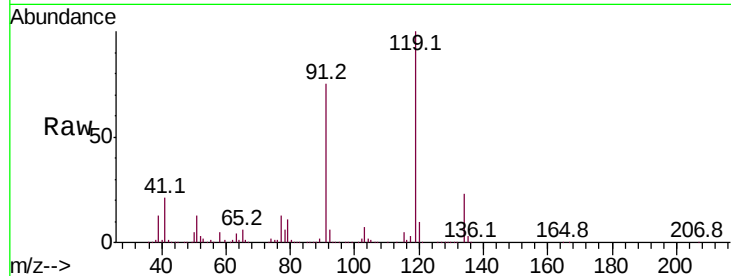




#83
 tert-Butylbenzene
 Concen: 52.002 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

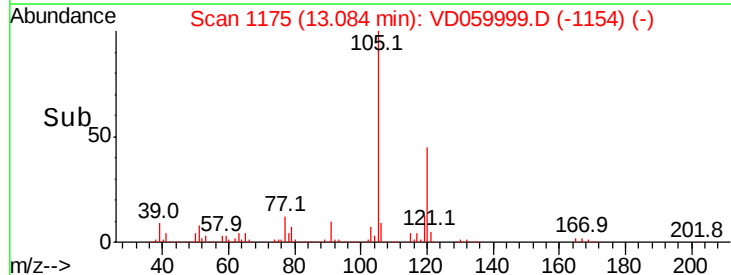
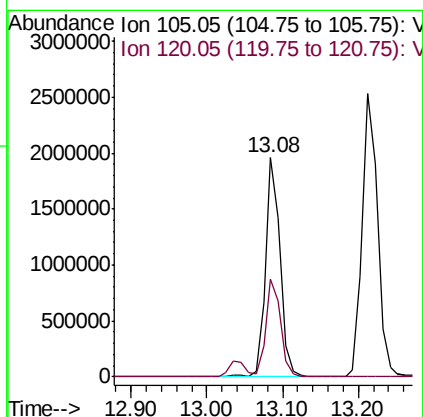
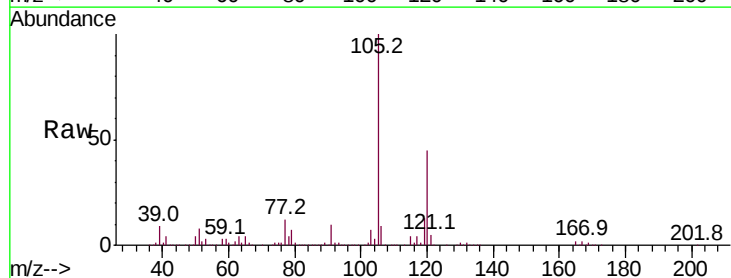
Instrument :
 MSVOA_D
 ClientSampleId :

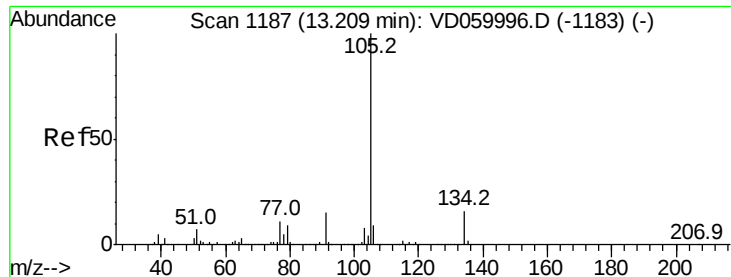
Tot Ion:119 Resp: 2914739
 Ion Ratio Lower Upper
 119 100
 91 75.2 32.9 98.6
 134 22.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.146 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion:105 Resp: 2640684
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.0





#85

sec-Butylbenzene

Concen: 52.764 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

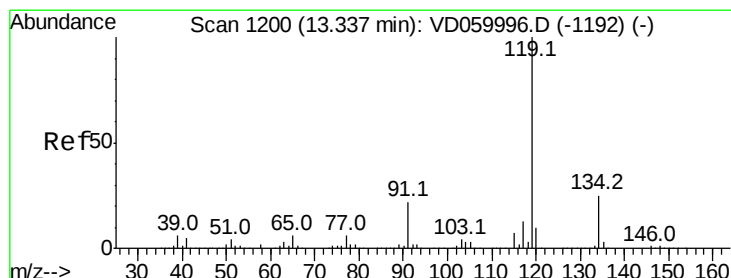
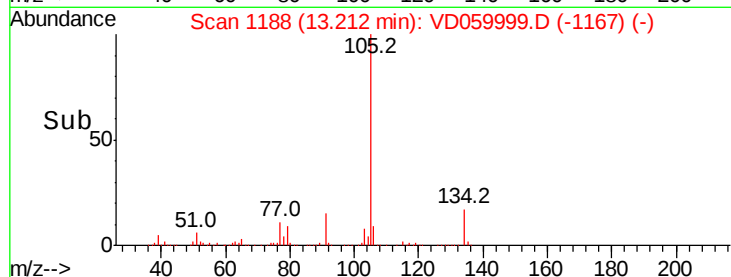
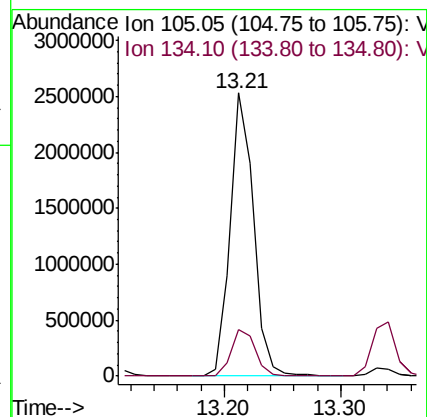
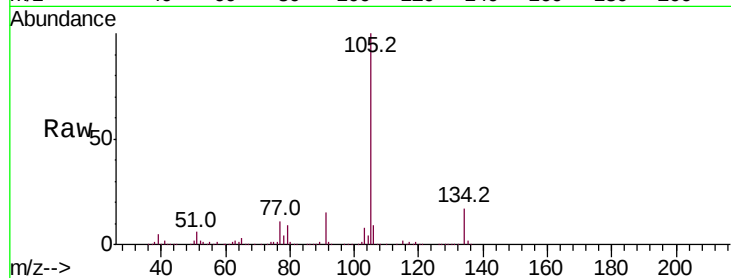
ClientSampleID :

Tot Ion:105 Resp: 3510653

Ion Ratio Lower Upper

105 100

134 16.6 8.2 24.6



#86

p-Isopropyltoluene

Concen: 52.464 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

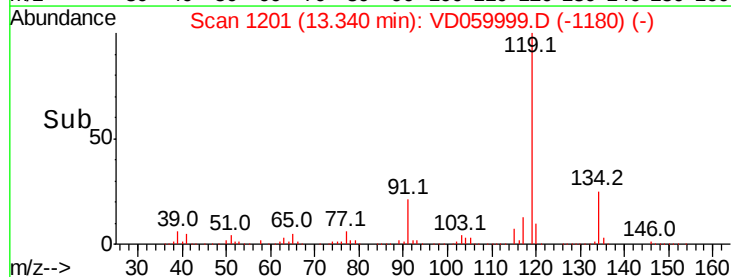
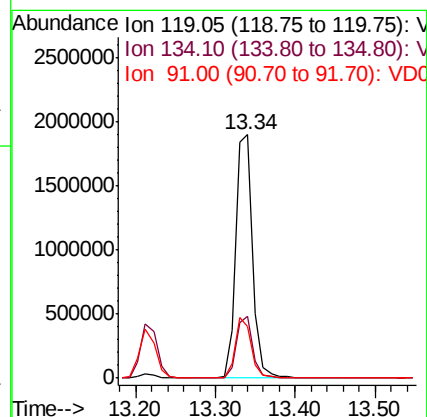
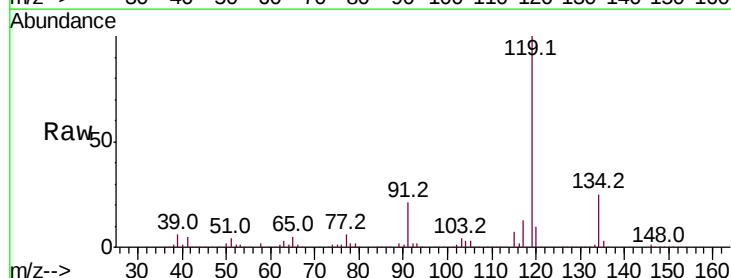
Tgt Ion:119 Resp: 2823268

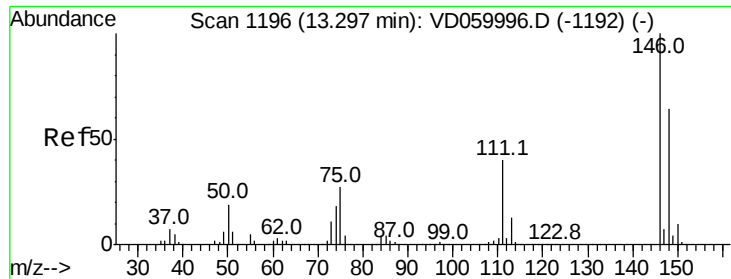
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 21.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 51.164 ug/l

RT: 13.30 min Scan# 1197

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampled :

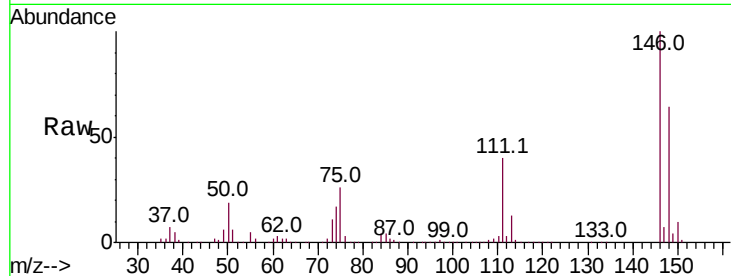
Tot Ion:146 Resp: 1617795

Ion Ratio Lower Upper

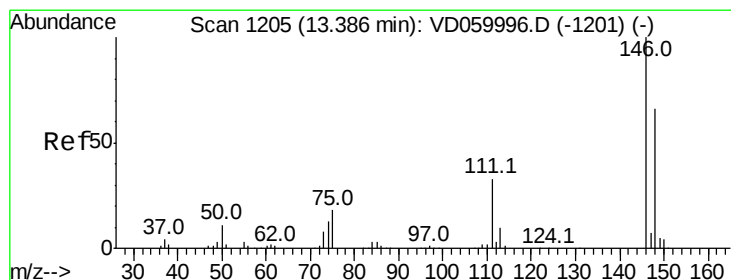
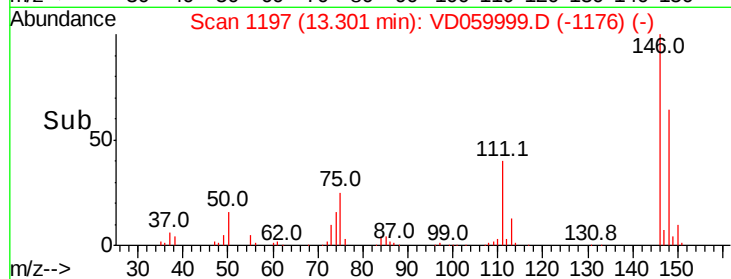
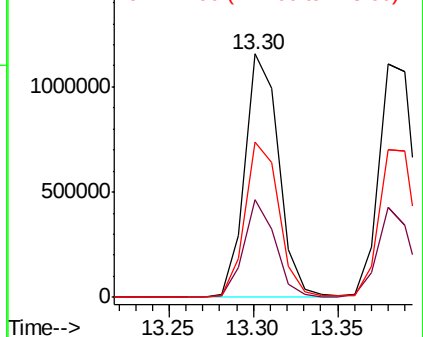
146 100

111 40.4 20.2 60.5

148 63.9 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 51.576 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

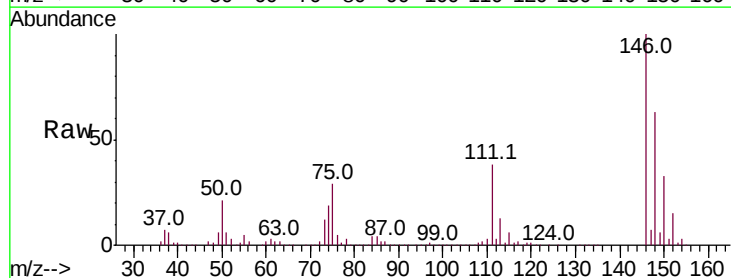
Tgt Ion:146 Resp: 1654123

Ion Ratio Lower Upper

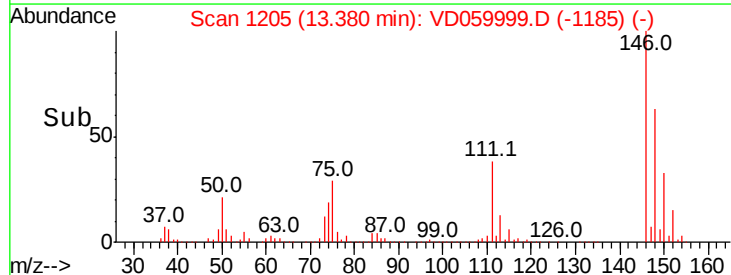
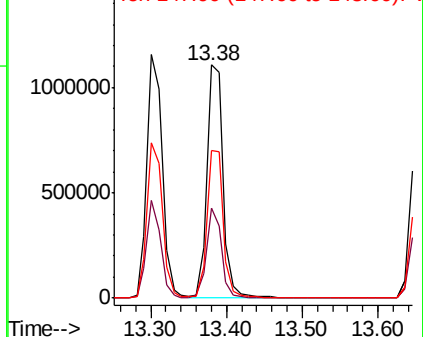
146 100

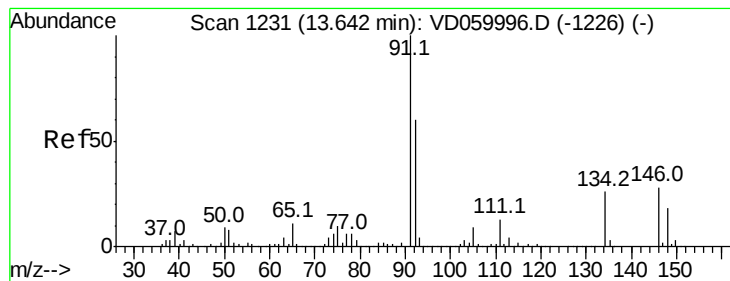
111 38.5 16.7 50.0

148 63.3 32.9 98.6



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

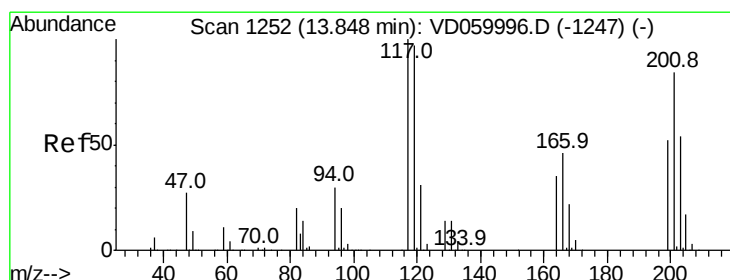
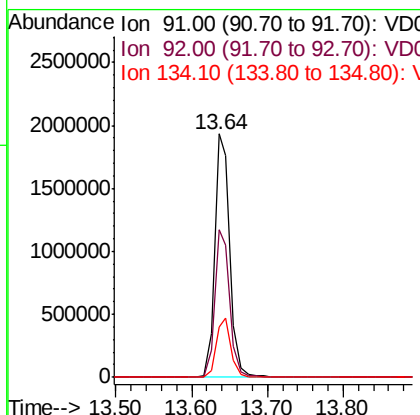
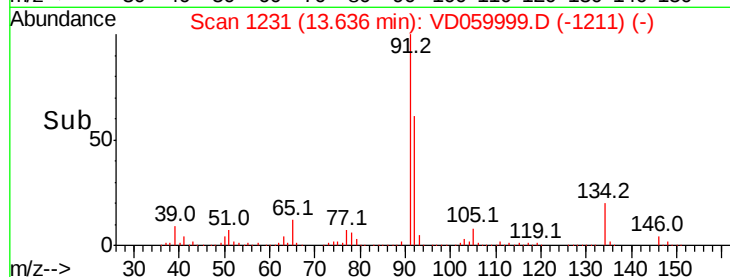
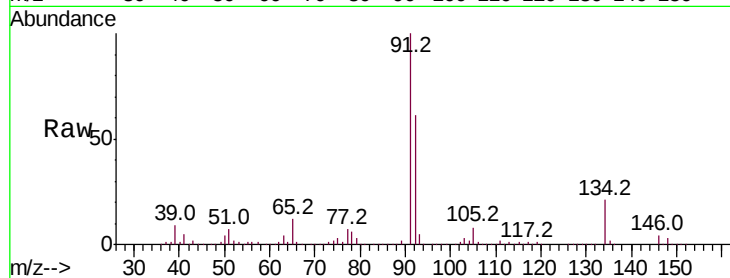




#89
n-Butylbenzene
Concen: 54.985 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

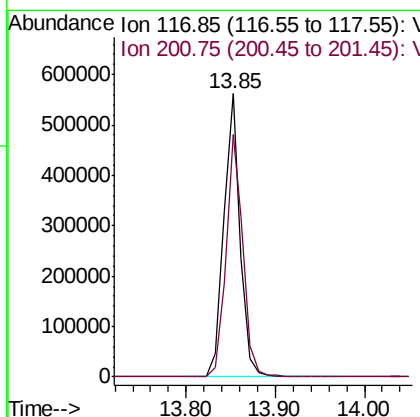
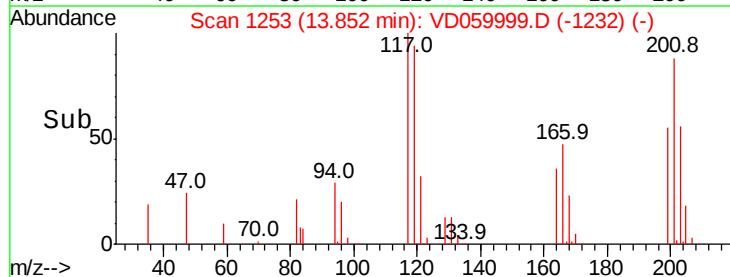
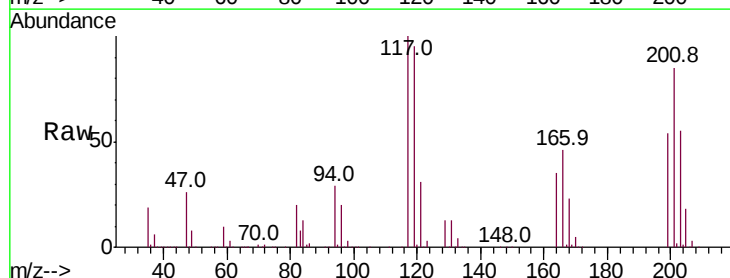
Instrument :
MSVOA_D
ClientSampled :

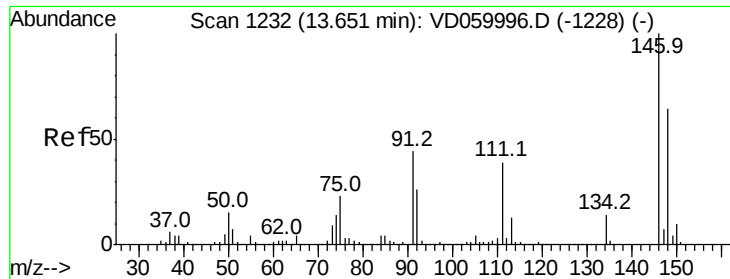
Tot Ion: 91 Resp: 2722402
Ion Ratio Lower Upper
91 100
92 60.6 29.8 89.3
134 20.5 13.2 39.6



#90
Hexachloroethane
Concen: 54.555 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 117 Resp: 727133
Ion Ratio Lower Upper
117 100
201 85.4 42.1 126.4

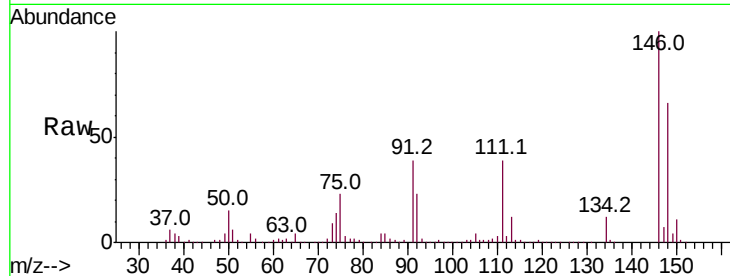




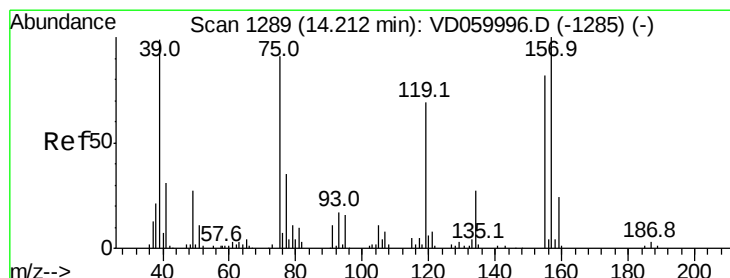
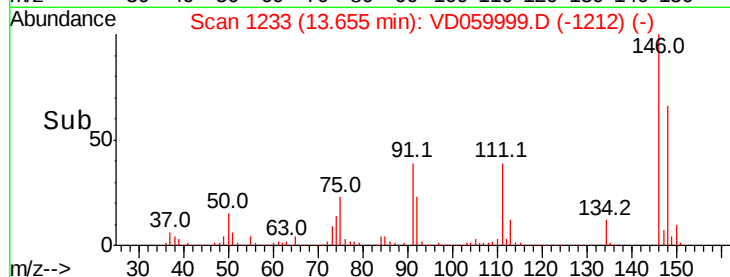
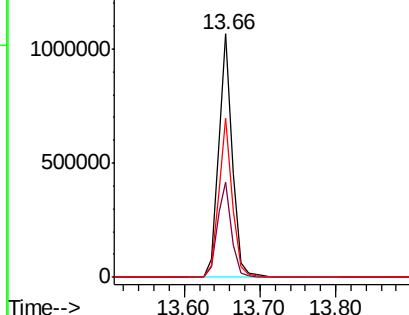
#91
 1,2-Dichlorobenzene
 Concen: 54.123 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 1364185
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 65.6 31.9 95.7

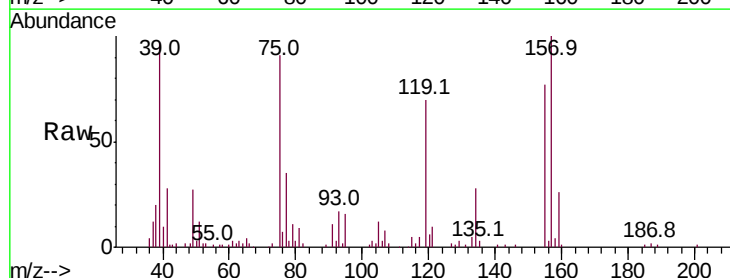


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

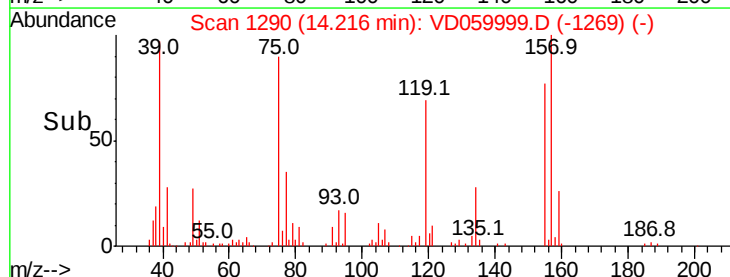
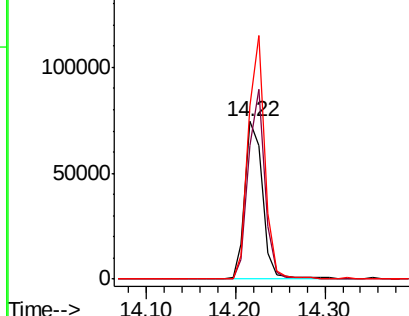


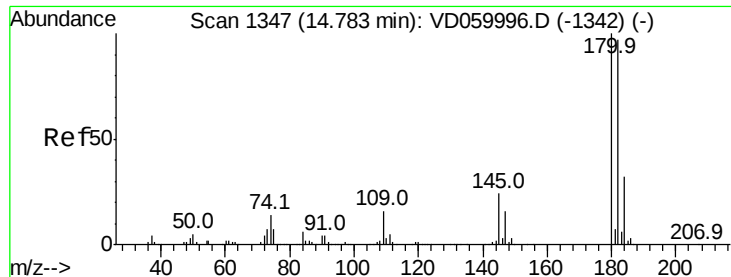
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.143 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 75 Resp: 102915
 Ion Ratio Lower Upper
 75 100
 155 84.5 44.7 134.1
 157 110.3 54.7 164.1



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



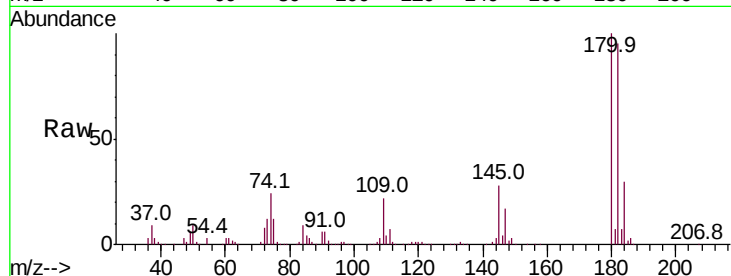


#93
 1,2,4-Trichlorobenzene
 Concen: 54.033 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

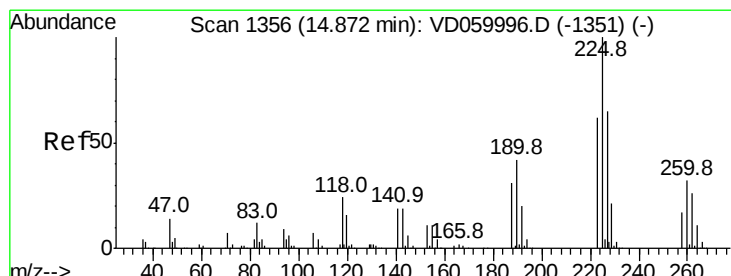
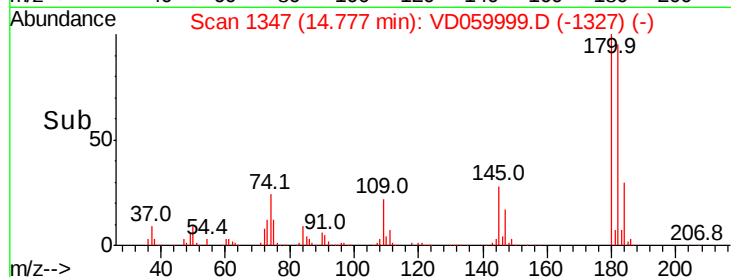
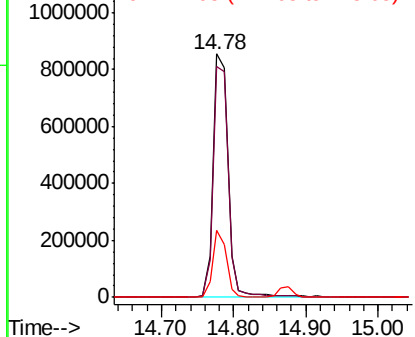
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 1217507

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.5	145.6
145	27.7	11.9	35.7



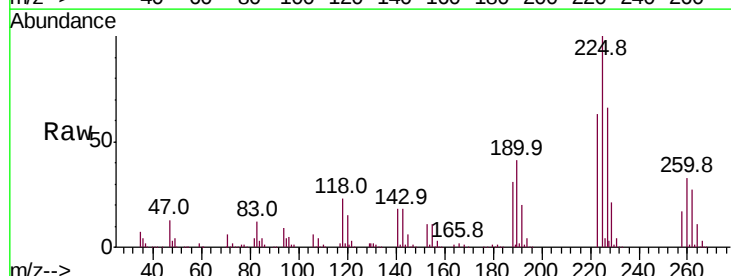
Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



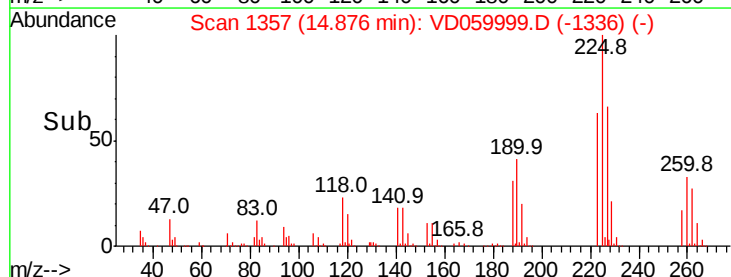
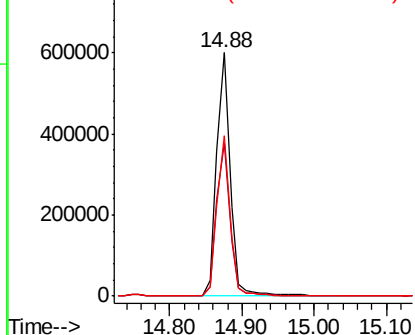
#94
 Hexachlorobutadiene
 Concen: 52.137 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

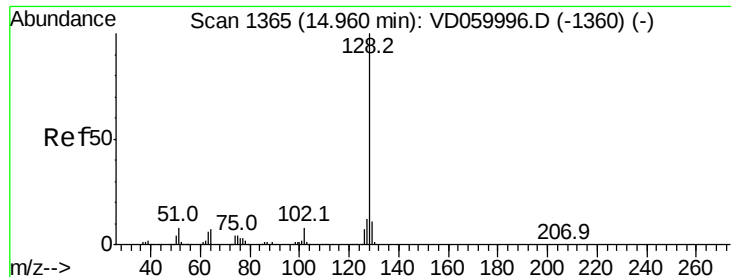
Tgt Ion:225 Resp: 777122

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.2	93.6
227	65.9	32.3	96.8



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

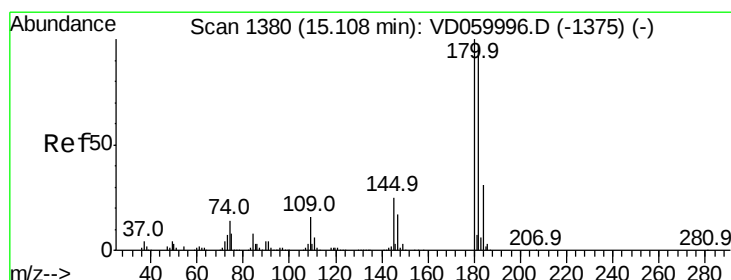
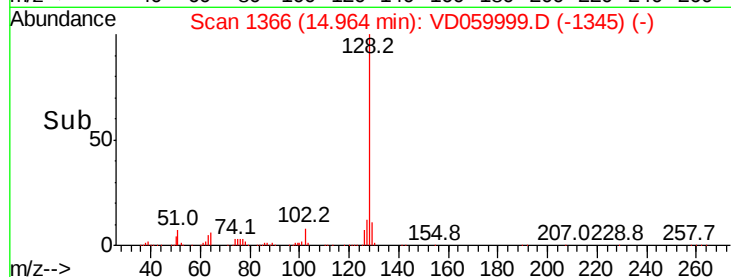
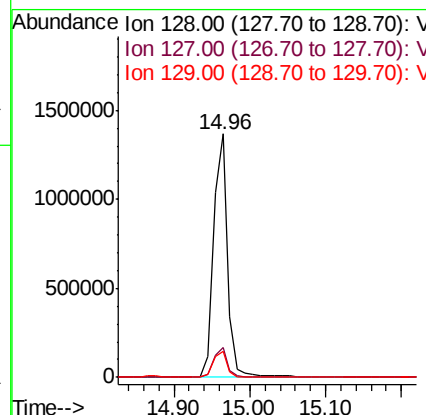
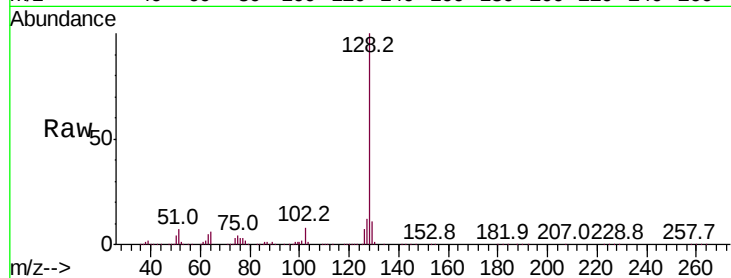




#95
Naphthalene
Concen: 51.060 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1776831
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 50.573 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:180 Resp: 1004239
Ion Ratio Lower Upper
180 100
182 98.7 48.6 145.9
145 25.4 12.7 38.1

