

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060822.D
 Acq On : 1 Feb 2019 16:36
 Operator : VA/AP
 Sample : K1297-03MSD
 Misc : 3.35g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

Quant Time: Feb 02 00:25:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.77	168	375845	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.95	114	485949	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.14	117	391787	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	175954	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.18	65	336755	58.44	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	116.88%	
35) Dibromofluoromethane	6.65	113	261193	56.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.10%	
50) Toluene-d8	10.16	98	571661	52.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	13.33	95	267230	48.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	289232	63.294	ug/l	98
3) Chloromethane	1.75	50	152724	55.822	ug/l	98
4) Vinyl Chloride	1.84	62	175952	60.588	ug/l	98
5) Bromomethane	2.12	94	64076	69.846	ug/l	96
6) Chloroethane	2.23	64	84230	92.761	ug/l	88
7) Trichlorofluoromethane	2.48	101	401537	70.240	ug/l	99
8) Diethyl Ether	2.78	74	56814	67.445	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.04	101	187823	64.830	ug/l	95
10) Methyl Iodide	3.19	142	192229	63.375	ug/l	100
11) Tert butyl alcohol	3.90	59	88760	322.341	ug/l	94
12) 1,1-Dichloroethene	3.03	96	133054	67.206	ug/l	91
13) Acrolein	2.93	56	25048	271.140	ug/l	89
14) Allyl chloride	3.47	41	303853	65.951	ug/l	97
15) Acrylonitrile	4.01	53	174921	283.511	ug/l	98
16) Acetone	3.11	43	282477	339.423	ug/l	97
17) Carbon Disulfide	3.26	76	386670	55.137	ug/l	98
18) Methyl Acetate	3.50	43	299711	181.664	ug/l	100
19) Methyl tert-butyl Ether	4.06	73	563709	62.367	ug/l	94
20) Methylene Chloride	3.66	84	213753	59.276	ug/l	98
21) trans-1,2-Dichloroethene	4.02	96	170302	48.796	ug/l	93
22) Diisopropyl ether	4.86	45	638121	53.748	ug/l #	81
23) Vinyl Acetate	4.80	43	866007	126.665	ug/l	100
24) 1,1-Dichloroethane	4.74	63	441336	56.783	ug/l	98
25) 2-Butanone	5.80	43	344849	323.737	ug/l	97
26) 2,2-Dichloropropane	5.75	77	479614	58.566	ug/l	95
27) cis-1,2-Dichloroethene	5.76	96	198814	50.017	ug/l	84
28) Bromochloromethane	6.17	49	168701	55.641	ug/l	99
29) Tetrahydrofuran	6.20	42	157209	307.327	ug/l	96
30) Chloroform	6.38	83	521481	56.767	ug/l	100
31) Cyclohexane	6.68	56	252873	47.819	ug/l	95
32) 1,1,1-Trichloroethane	6.60	97	499078	56.416	ug/l	95
36) 1,1-Dichloropropene	6.88	75	315980	54.459	ug/l	96
37) Ethyl Acetate	5.91	43	123690	47.756	ug/l #	95
38) Carbon Tetrachloride	6.85	117	448050	61.582	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.60	83	198940	40.943	ug/l	94
40) Benzene	7.19	78	639658	55.858	ug/l	99
41) Methacrylonitrile	6.18	41	221720	134.794	ug/l #	96
42) 1,2-Dichloroethane	7.31	62	474293	71.295	ug/l	98
43) Isopropyl Acetate	8.98	43	156327	46.277	ug/l	92
44) Trichloroethene	8.27	130	204805	52.757	ug/l	95
45) 1,2-Dichloropropane	8.68	63	180806	58.326	ug/l	97
46) Dibromomethane	8.81	93	158125	65.709	ug/l	91
47) Bromodichloromethane	9.11	83	420830	64.788	ug/l	95
48) Methyl methacrylate	8.86	41	181200	77.785	ug/l	92
49) 1,4-Dioxane	8.84	88	24930	1227.008	ug/l #	80
51) 4-Methyl-2-Pentanone	10.06	43	772135	352.957	ug/l	98
52) Toluene	10.26	92	401671	55.297	ug/l	97
53) t-1,3-Dichloropropene	10.67	75	359483	62.918	ug/l	97
54) cis-1,3-Dichloropropene	9.78	75	357082	60.946	ug/l	96
55) 1,1,2-Trichloroethane	10.95	97	159947	64.584	ug/l	98
56) Ethyl methacrylate	10.79	69	154812	51.602	ug/l	94
57) 1,3-Dichloropropane	11.17	76	274919	64.952	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.60	63	505859	321.354	ug/l	99
59) 2-Hexanone	11.30	43	579340	352.210	ug/l	92
60) Dibromochloromethane	11.44	129	283989	63.784	ug/l	96
61) 1,2-Dibromoethane	11.57	107	180256	61.802	ug/l	97
64) Tetrachloroethene	11.01	164	185869	51.692	ug/l	95
65) Chlorobenzene	12.17	112	469121	52.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.29	131	243584	63.325	ug/l	95
67) Ethyl Benzene	12.30	91	894494	55.560	ug/l	98
68) m/p-Xylenes	12.45	106	560937	107.092	ug/l	98
69) o-Xylene	12.83	106	269848	52.052	ug/l	90
70) Styrene	12.85	104	436763	50.241	ug/l	97
71) Bromoform	13.02	173	191873	66.205	ug/l	98
73) Isopropylbenzene	13.19	105	788839	56.230	ug/l	100
74) N-amyl acetate	13.05	43	159061	36.881	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.48	83	181961	71.234	ug/l	100
76) 1,2,3-Trichloropropane	13.52	75	233258	72.293	ug/l	98
77) Bromobenzene	13.45	156	216466	60.025	ug/l	93
78) n-propylbenzene	13.56	91	999626	56.761	ug/l	98
79) 2-Chlorotoluene	13.63	91	622934	57.992	ug/l	97
80) 1,3,5-Trimethylbenzene	14.02	105	675583	55.938	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.26	75	51932	61.736	ug/l	85
82) 4-Chlorotoluene	13.74	91	721236	60.413	ug/l	100
83) tert-Butylbenzene	13.97	119	713142	56.439	ug/l	99
84) 1,2,4-Trimethylbenzene	14.02	105	675583	55.938	ug/l	97
85) sec-Butylbenzene	14.16	105	713444	49.602	ug/l	97
86) p-Isopropyltoluene	14.28	119	625572	53.570	ug/l	96
87) 1,3-Dichlorobenzene	14.25	146	319565	49.543	ug/l	97
88) 1,4-Dichlorobenzene	14.33	146	316962	50.575	ug/l	99
89) n-Butylbenzene	14.59	91	527671	43.309	ug/l	95
90) Hexachloroethane	14.80	117	181673	52.279	ug/l	96
91) 1,2-Dichlorobenzene	14.60	146	287294	53.660	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	15.17	75	44281	72.967	ug/l	84

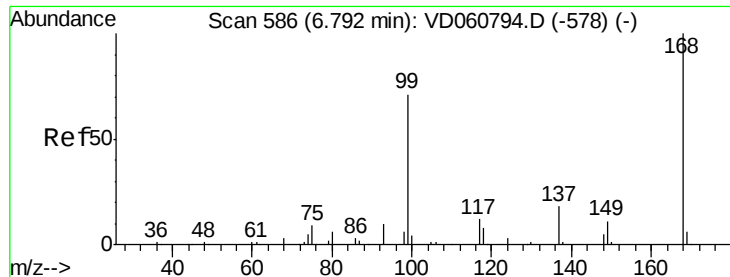
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	191398	41.286	ug/l	98
94) Hexachlorobutadiene	15.83	225	98207	28.234	ug/l	96
95) Naphthalene	15.91	128	347129	48.735	ug/l	99
96) 1,2,3-Trichlorobenzene	16.06	180	159853	39.655	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.77 min Scan# 583

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

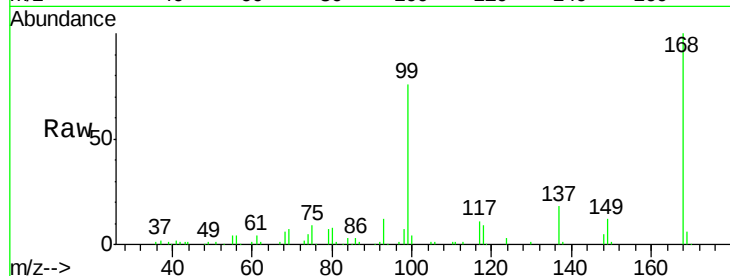
A0C17-SSIMSD

Tot Ion:168 Resp: 375845

Ion Ratio Lower Upper

168 100

99 76.3 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.77

150000

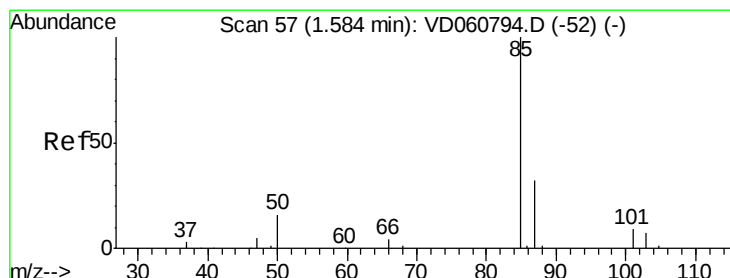
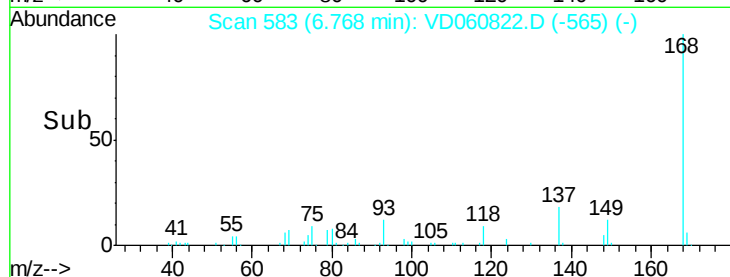
100000

50000

0

Time-->

6.60 6.70 6.80 6.90 7.00



#2

Dichlorodifluoromethane

Concen: 63.294 ug/l

RT: 1.57 min Scan# 55

Delta R.T. -0.01 min

Lab File: VD060822.D

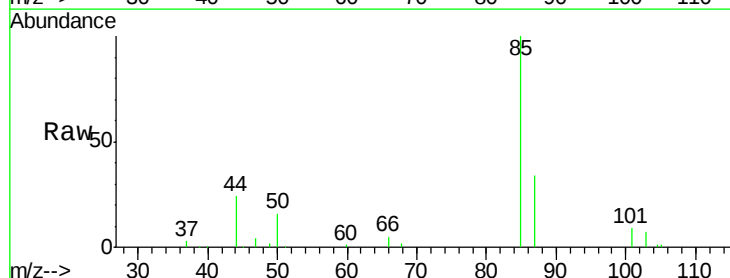
Acq: 1 Feb 2019 16:36

Tgt Ion: 85 Resp: 289232

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

60000

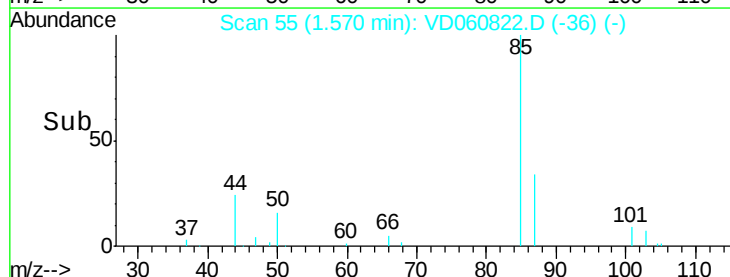
40000

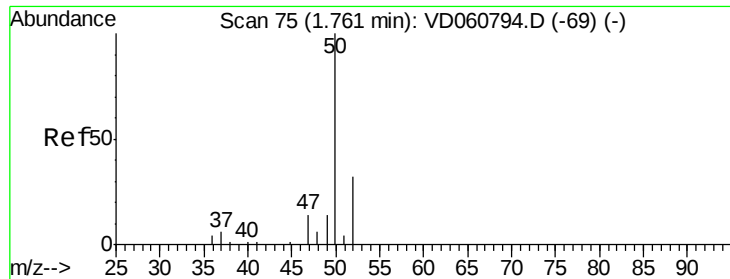
20000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 55.822 ug/l

RT: 1.75 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

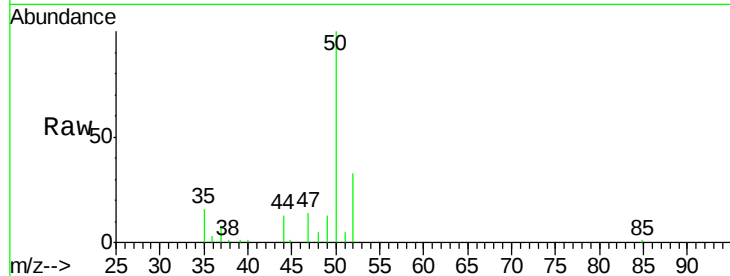
A0C17-SSIMSD

Tot Ion: 50 Resp: 152724

Ion Ratio Lower Upper

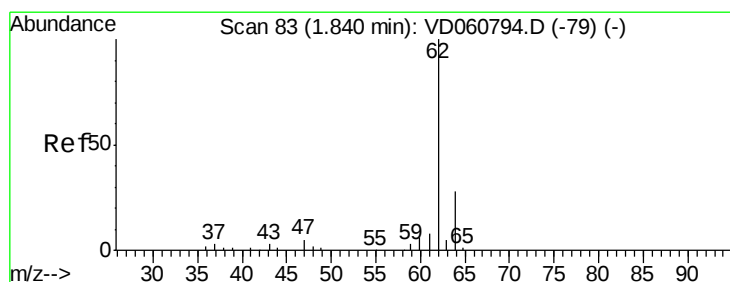
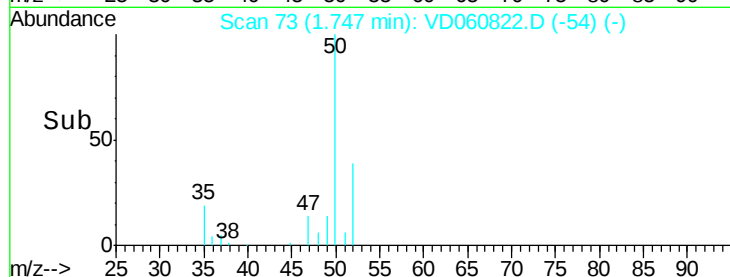
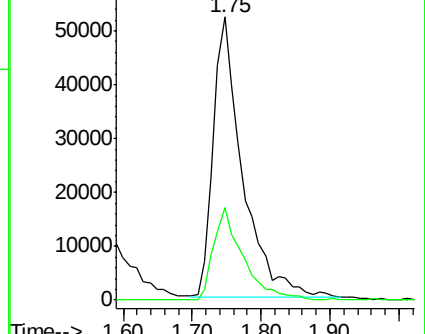
50 100

52 32.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 60.588 ug/l

RT: 1.84 min Scan# 82

Delta R.T. -0.00 min

Lab File: VD060822.D

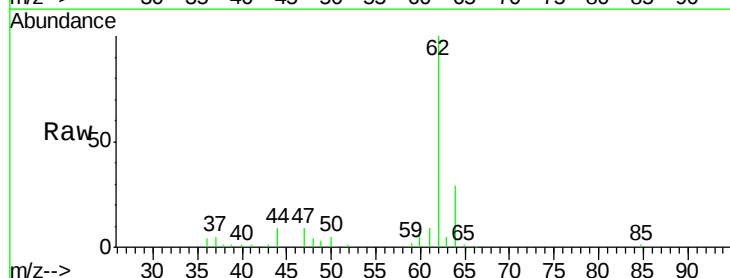
Acq: 1 Feb 2019 16:36

Tgt Ion: 62 Resp: 175952

Ion Ratio Lower Upper

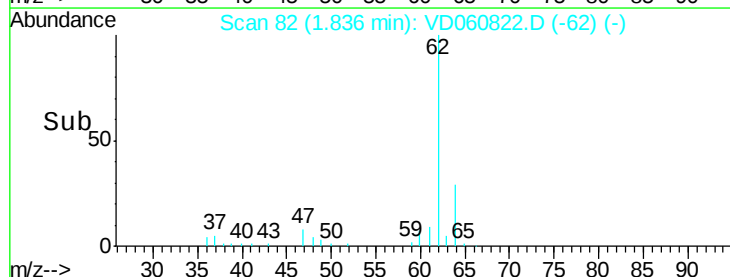
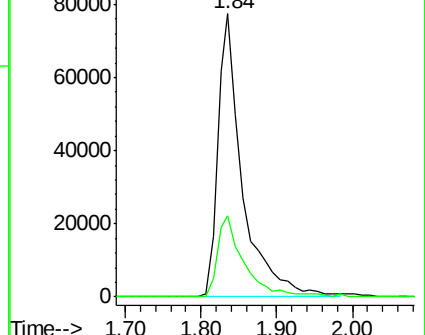
62 100

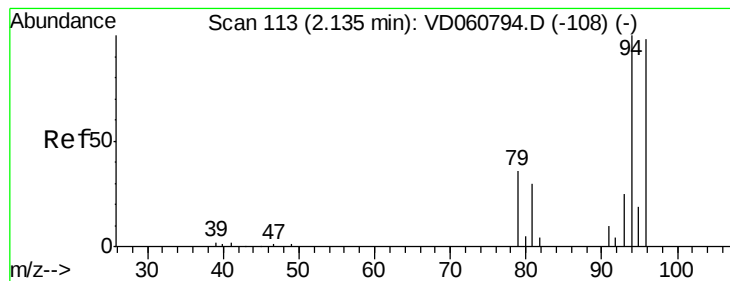
64 28.7 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 69.846 ug/l

RT: 2.12 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

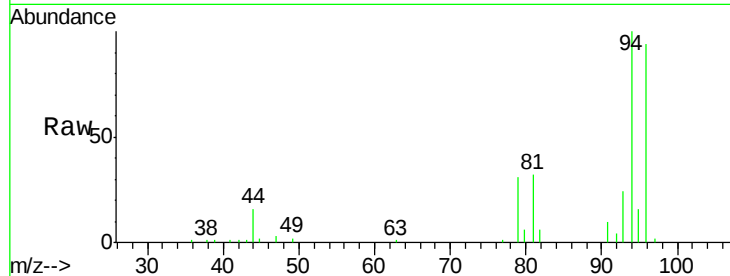
A0C17-SSIMSD

Tot Ion: 94 Resp: 64076

Ion Ratio Lower Upper

94 100

96 93.9 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

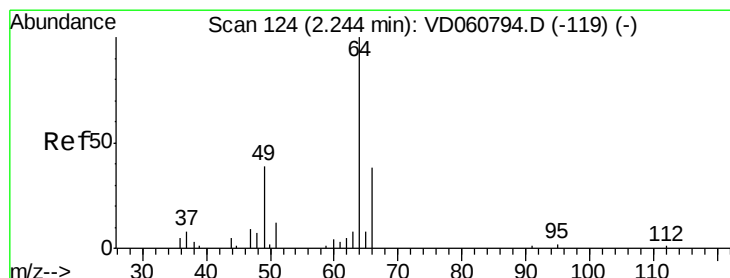
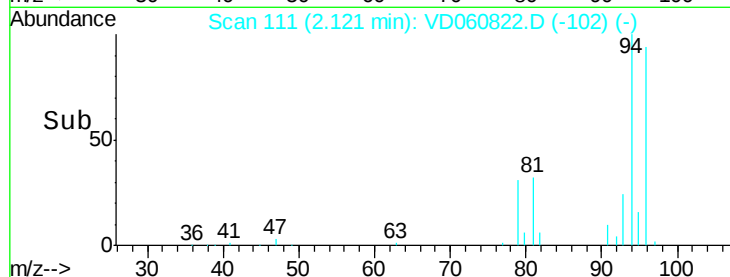
Ion 95.90 (95.60 to 96.60): VDC

2.12

2.15

2.20

Time-->



#6

Chloroethane

Concen: 92.761 ug/l

RT: 2.23 min Scan# 122

Delta R.T. -0.01 min

Lab File: VD060822.D

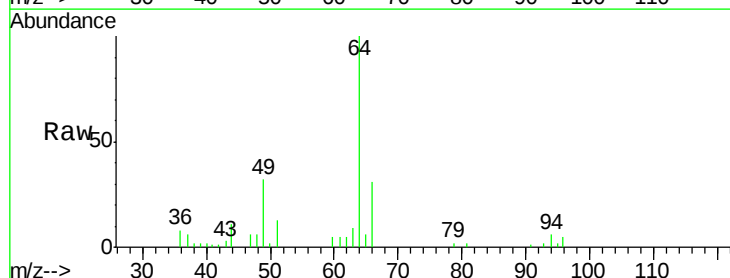
Acq: 1 Feb 2019 16:36

Tgt Ion: 64 Resp: 84230

Ion Ratio Lower Upper

64 100

66 30.7 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

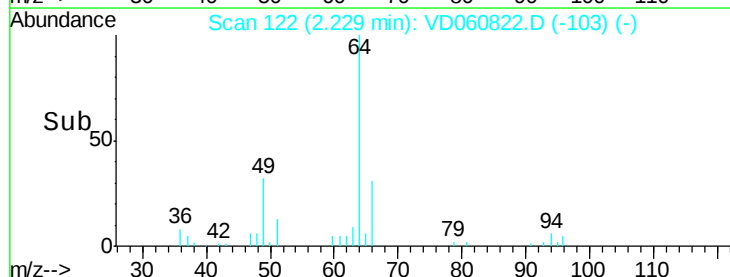
Ion 65.90 (65.60 to 66.60): VDC

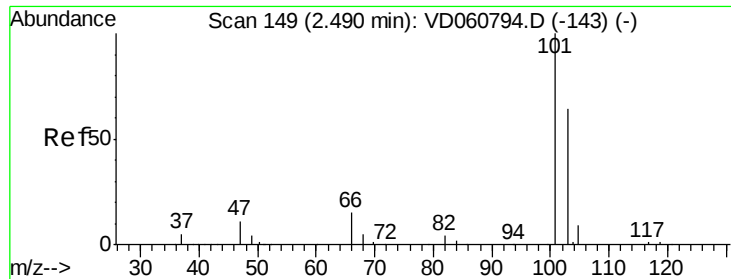
2.23

2.30

2.40

Time-->



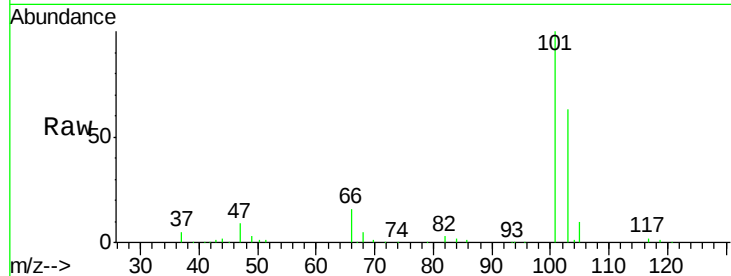


#7

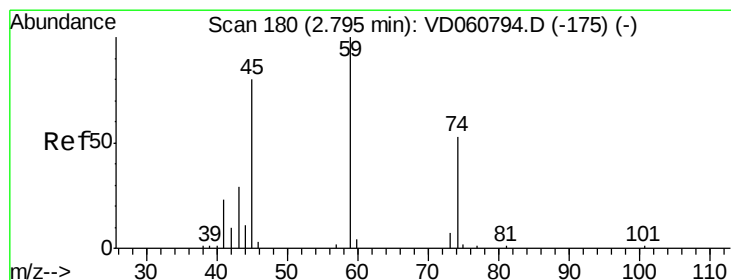
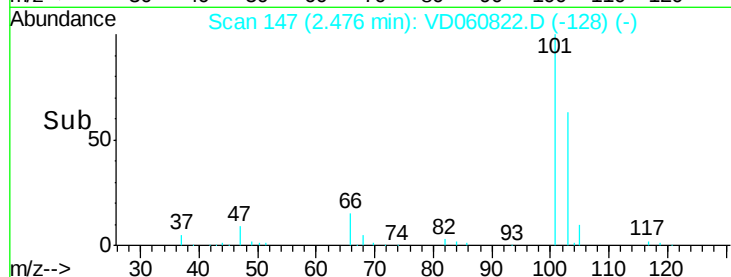
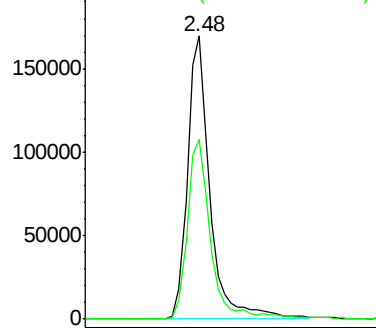
Trichlorofluoromethane
Concen: 70.240 ug/l
RT: 2.48 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
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ClientSampleId :
A0C17-SSIMSD

Tot Ion:101 Resp: 401537
Ion Ratio Lower Upper
101 100
103 63.5 51.3 76.9



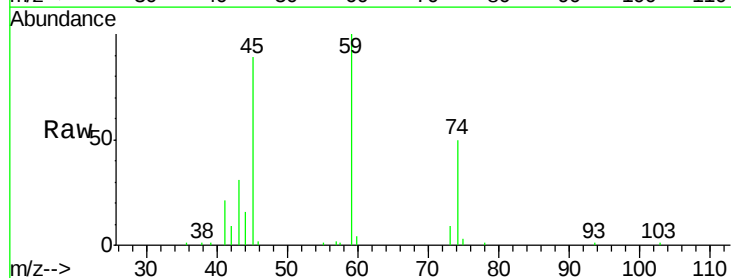
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



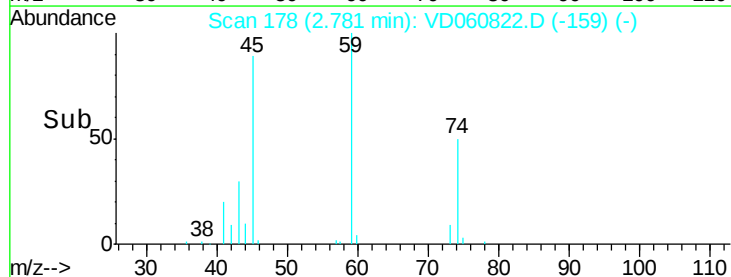
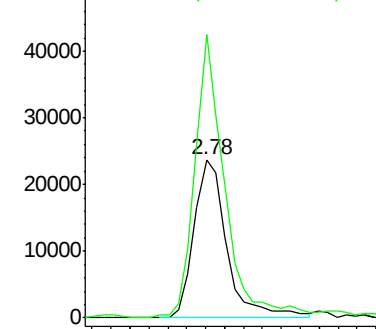
#8

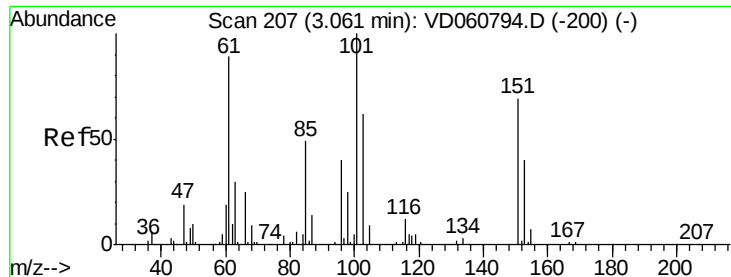
Diethyl Ether
Concen: 67.445 ug/l
RT: 2.78 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 74 Resp: 56814
Ion Ratio Lower Upper
74 100
45 179.0 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.830 ug/l

RT: 3.04 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

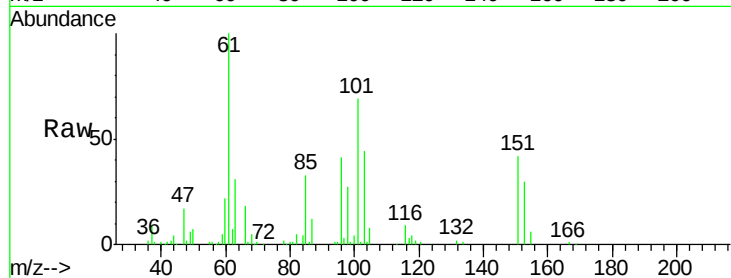
Tot Ion:101 Resp: 187823

Ion Ratio Lower Upper

101 100

85 48.8 39.3 58.9

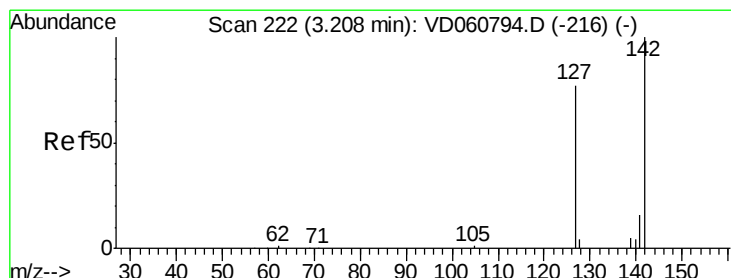
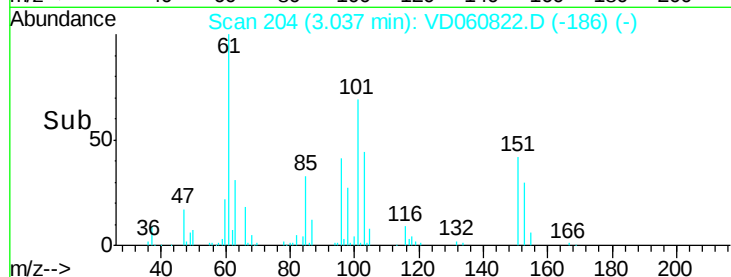
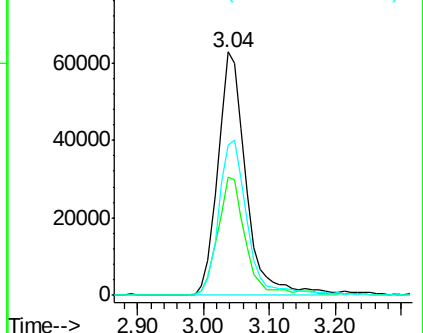
151 61.7 55.1 82.7



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: 63.375 ug/l

RT: 3.19 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

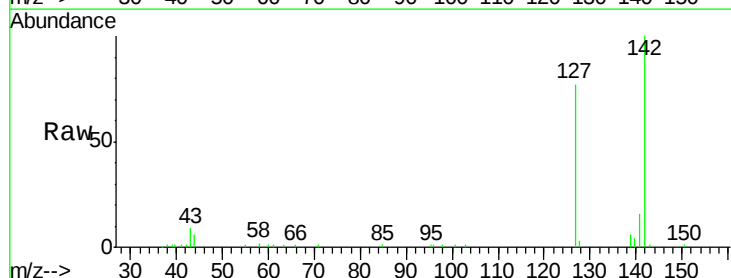
Tgt Ion:142 Resp: 192229

Ion Ratio Lower Upper

142 100

127 76.6 61.6 92.4

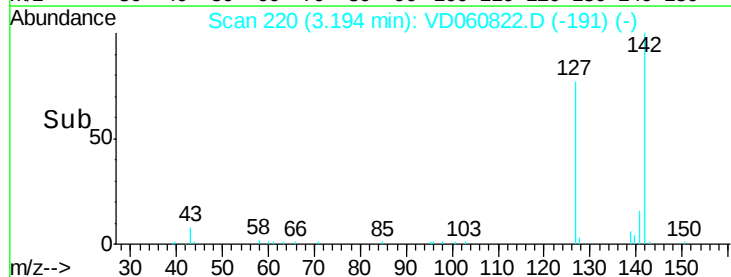
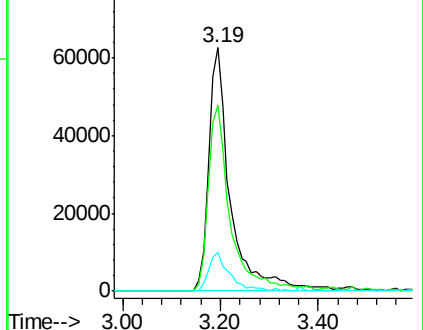
141 15.7 12.5 18.7

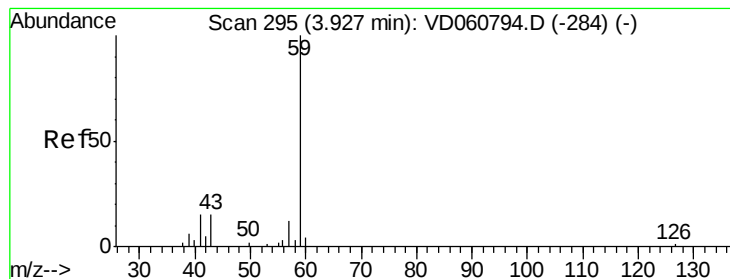


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



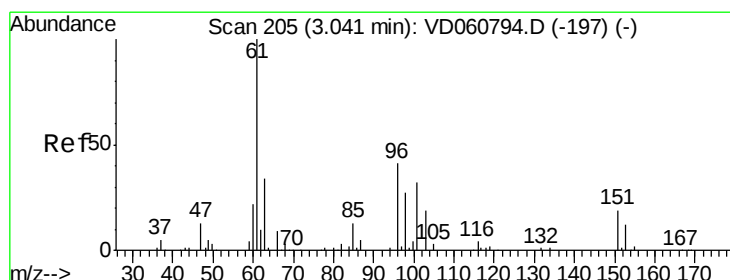
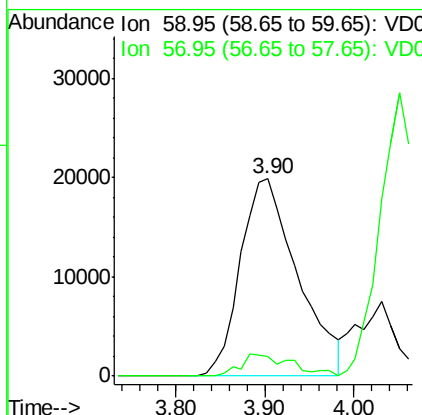
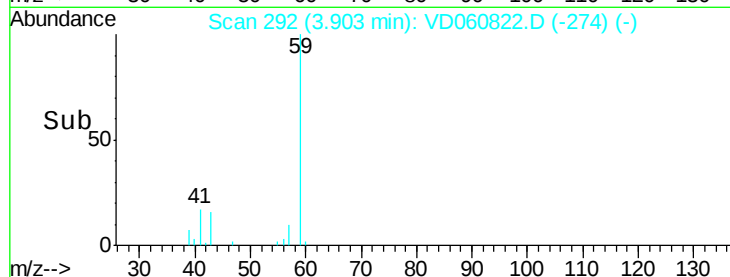
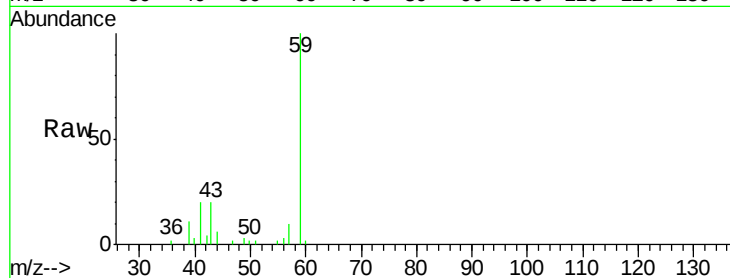


#11

Tert butyl alcohol
Concen: 322.341 ug/l
RT: 3.90 min Scan# 292
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

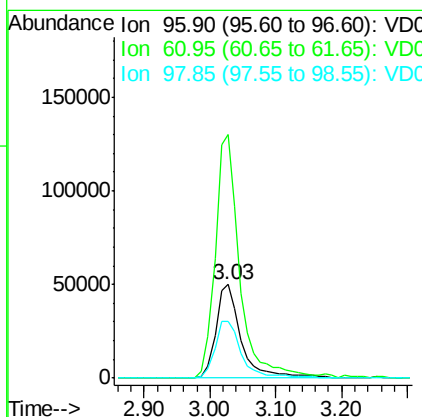
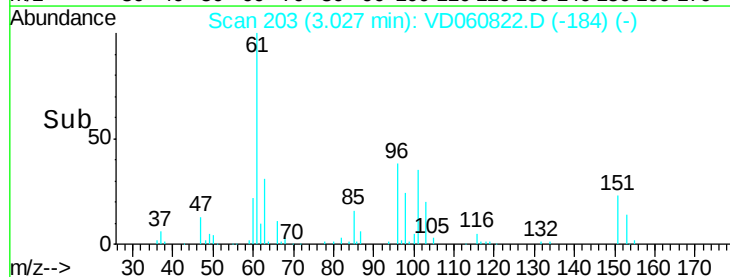
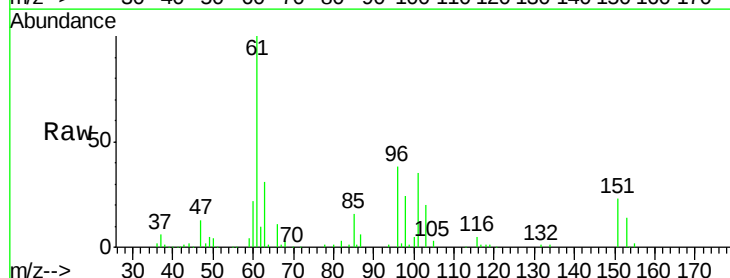
Tot Ion: 59 Resp: 88760
Ion Ratio Lower Upper
59 100
57 9.8 9.8 14.6

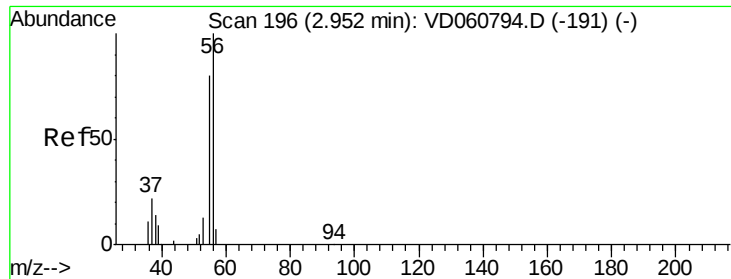


#12

1,1-Dichloroethene
Concen: 67.206 ug/l
RT: 3.03 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 96 Resp: 133054
Ion Ratio Lower Upper
96 100
61 260.5 195.1 292.7
98 61.3 52.5 78.7





#13

Acrolein

Concen: 271.140 ug/l

RT: 2.93 min Scan# 193

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

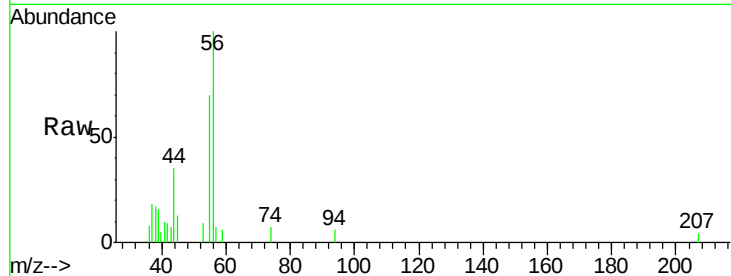
A0C17-SSIMSD

Tot Ion: 56 Resp: 25048

Ion Ratio Lower Upper

56 100

55 70.5 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.93

8000

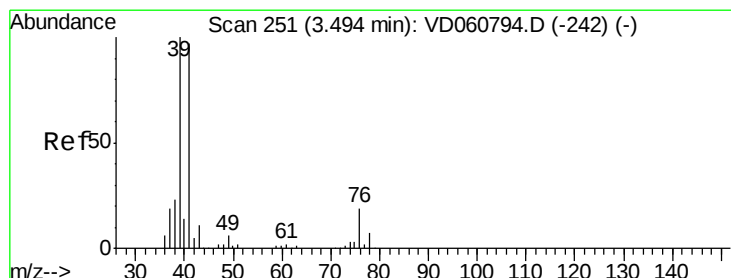
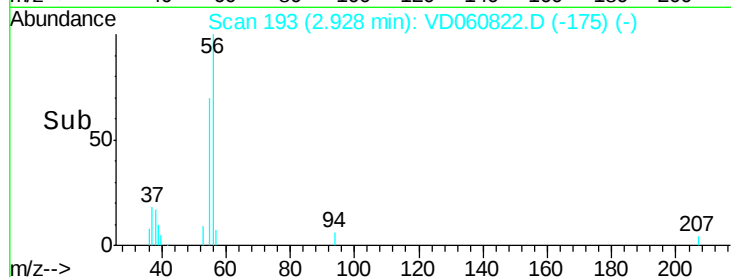
6000

4000

2000

0

Time--> 2.80 2.90 3.00 3.10



#14

Allyl chloride

Concen: 65.951 ug/l

RT: 3.47 min Scan# 248

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

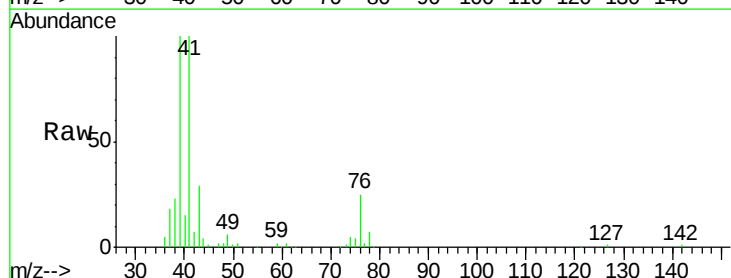
Tgt Ion: 41 Resp: 303853

Ion Ratio Lower Upper

41 100

39 100.5 82.6 123.8

76 25.3 18.9 28.3



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

200000

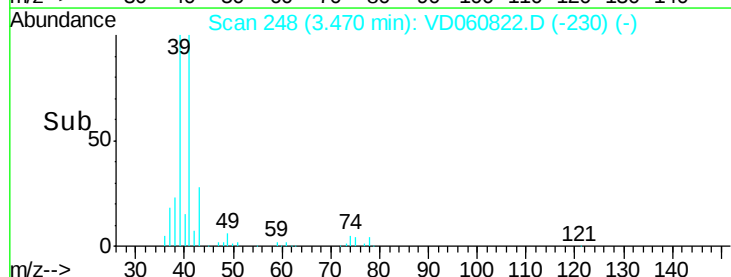
150000

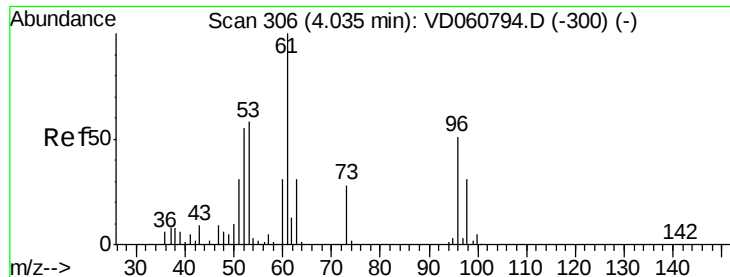
100000

50000

0

Time--> 3.30 3.40 3.50 3.60 3.70





#15

Acrylonitrile

Concen: 283.511 ug/l

RT: 4.01 min Scan# 303

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

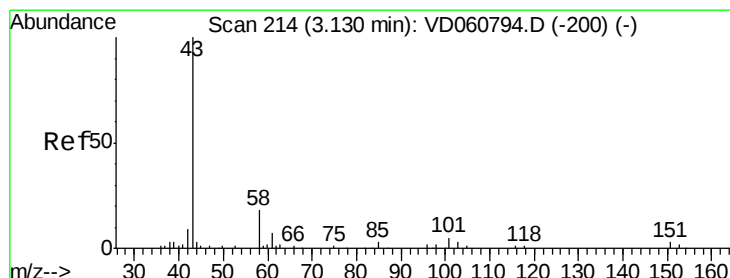
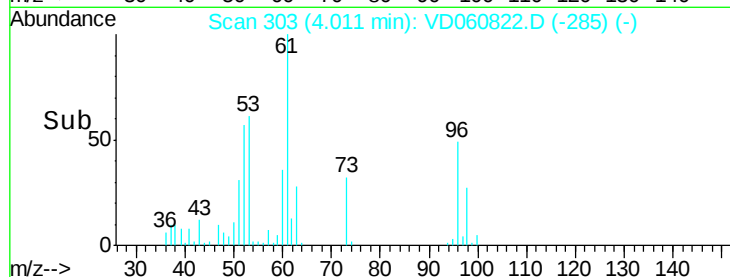
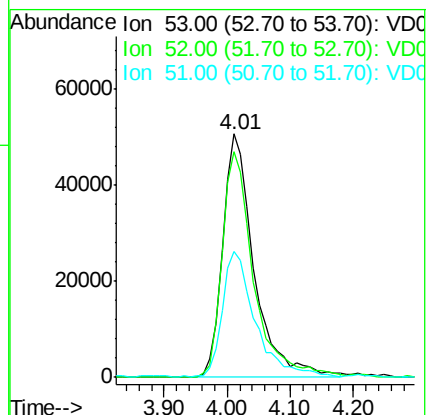
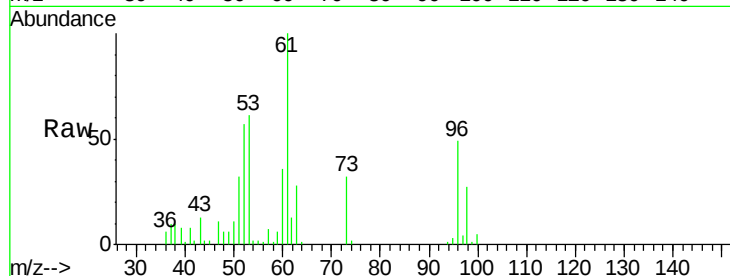
Tot Ion: 53 Resp: 174921

Ion Ratio Lower Upper

53 100

52 92.6 75.4 113.2

51 51.7 42.5 63.7



#16

Acetone

Concen: 339.423 ug/l

RT: 3.11 min Scan# 211

Delta R.T. -0.02 min

Lab File: VD060822.D

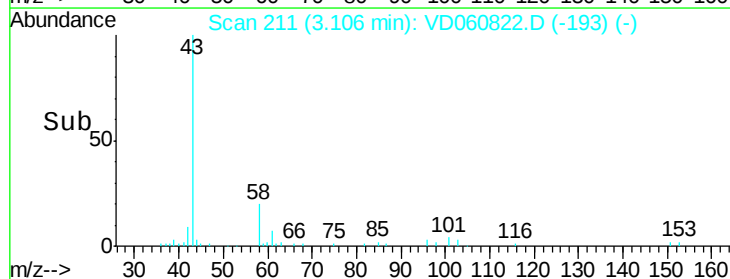
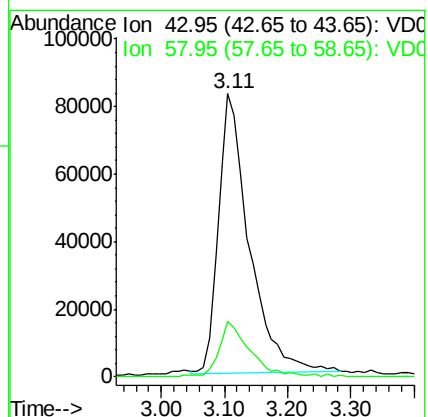
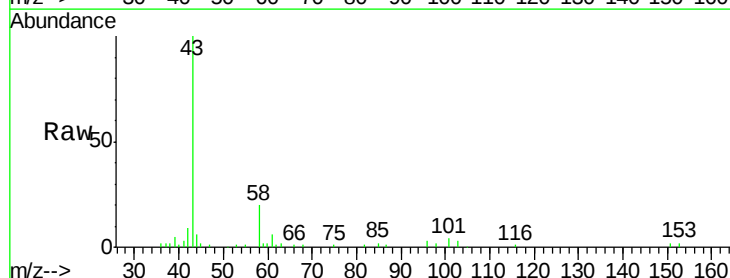
Acq: 1 Feb 2019 16:36

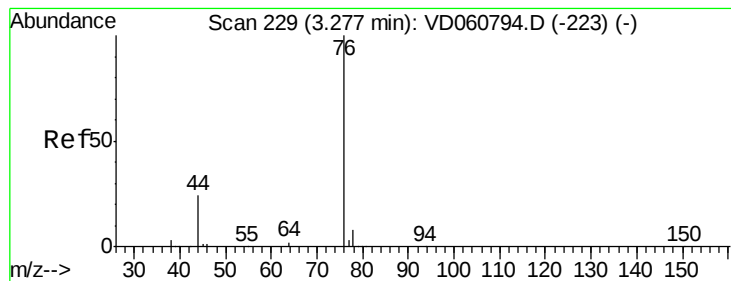
Tgt Ion: 43 Resp: 282477

Ion Ratio Lower Upper

43 100

58 19.6 14.5 21.7





#17

Carbon Disulfide

Concen: 55.137 ug/l

RT: 3.26 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

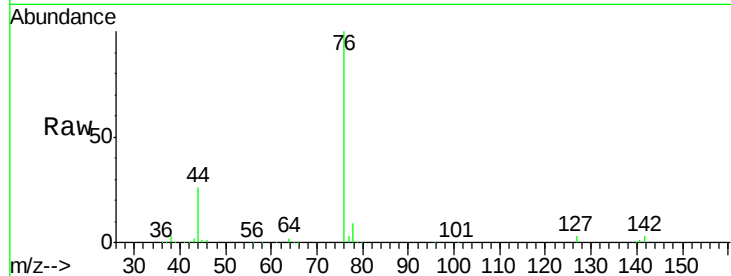
A0C17-SSIMSD

Tot Ion: 76 Resp: 386670

Ion Ratio Lower Upper

76 100

78 8.9 6.5 9.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.26

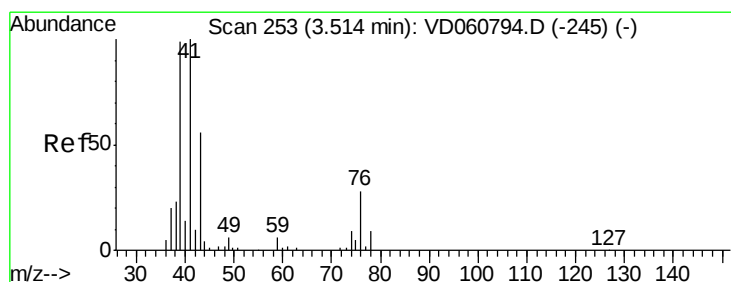
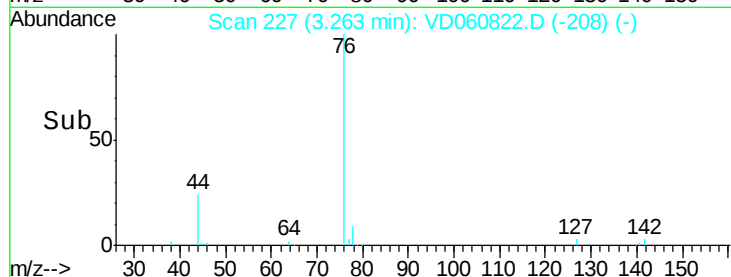
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 181.664 ug/l

RT: 3.50 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD060822.D

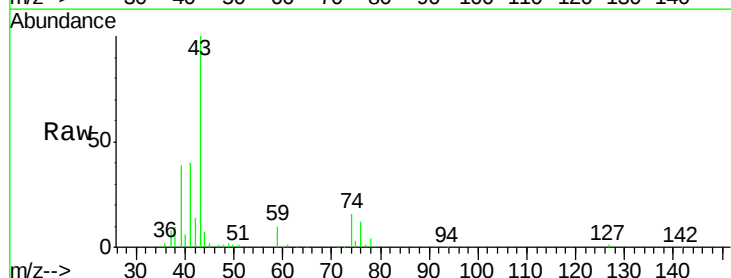
Acq: 1 Feb 2019 16:36

Tgt Ion: 43 Resp: 299711

Ion Ratio Lower Upper

43 100

74 15.8 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.50

120000

100000

80000

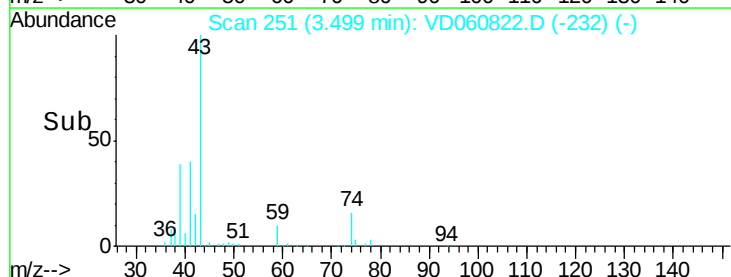
60000

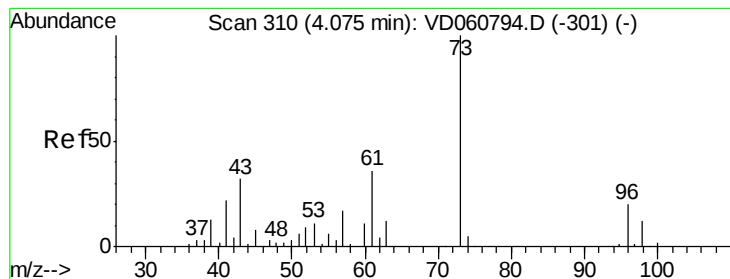
40000

20000

0

Time-->



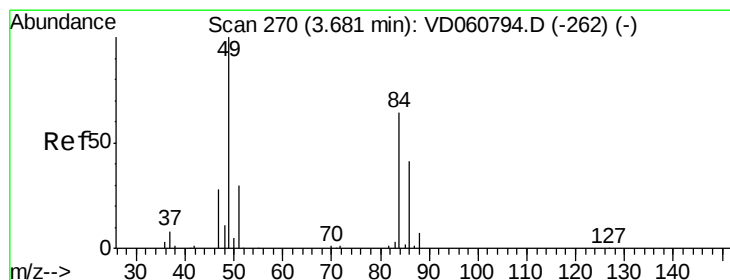
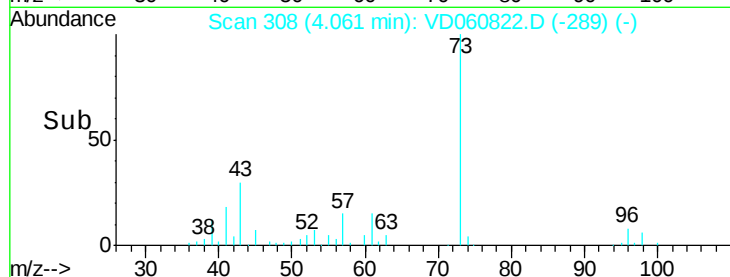
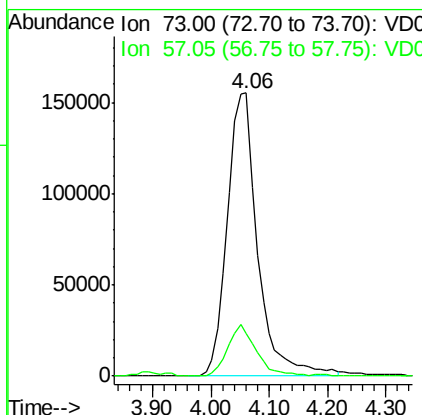
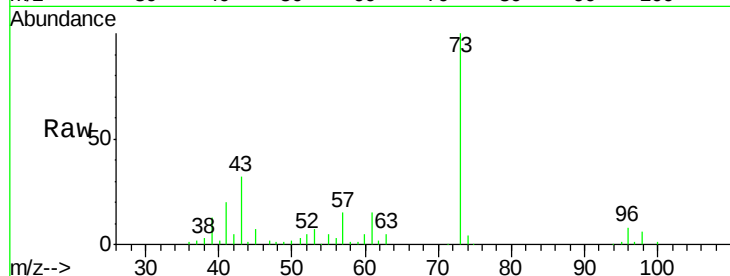


#19

Methyl tert-butyl Ether
 Concen: 62.367 ug/l
 RT: 4.06 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

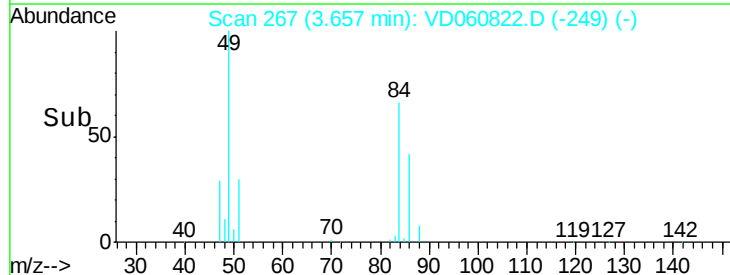
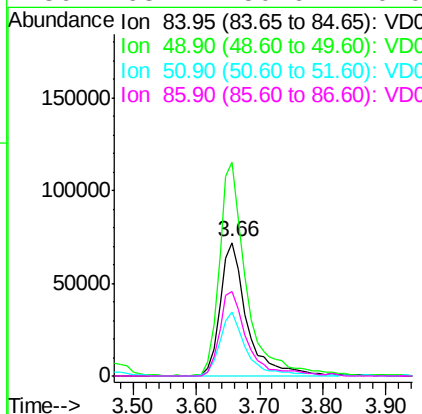
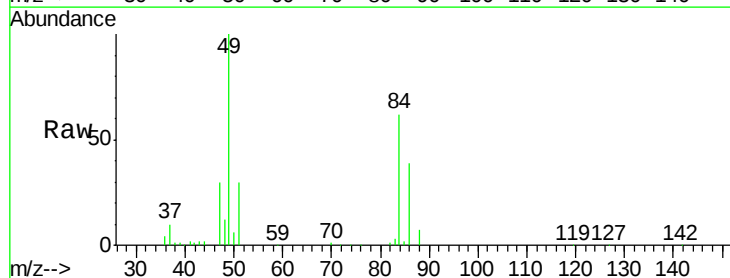
Tot Ion: 73 Resp: 563709
 Ion Ratio Lower Upper
 73 100
 57 15.1 14.0 21.0

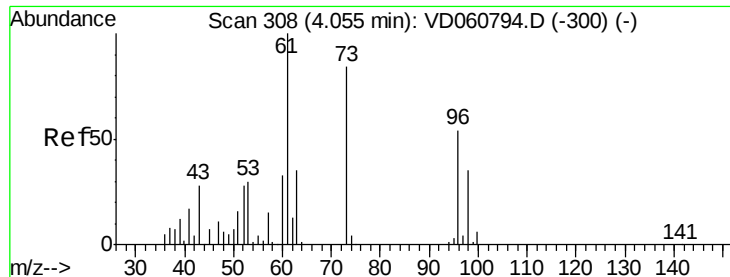


#20

Methylene Chloride
 Concen: 59.276 ug/l
 RT: 3.66 min Scan# 267
 Delta R.T. -0.02 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Tgt Ion: 84 Resp: 213753
 Ion Ratio Lower Upper
 84 100
 49 160.1 124.2 186.2
 51 47.8 38.1 57.1
 86 63.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.796 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.03 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

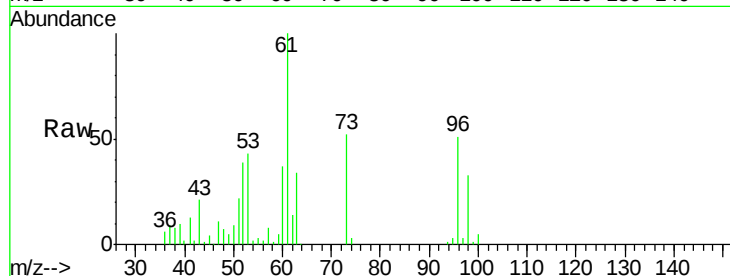
Tot Ion: 96 Resp: 170302

Ion Ratio Lower Upper

96 100

61 197.6 147.4 221.2

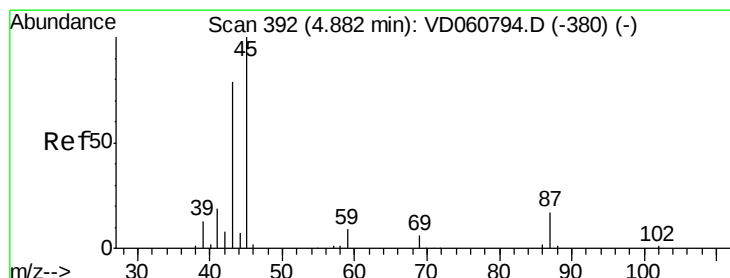
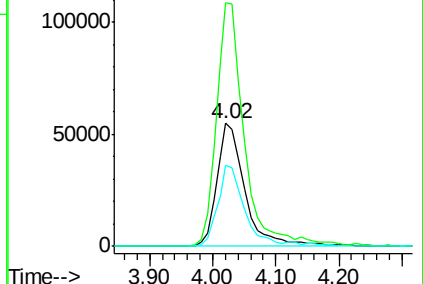
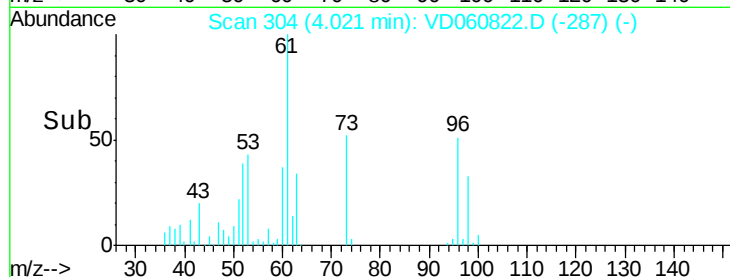
98 65.7 51.5 77.3



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: 53.748 ug/l

RT: 4.86 min Scan# 389

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Tgt Ion: 45 Resp: 638121

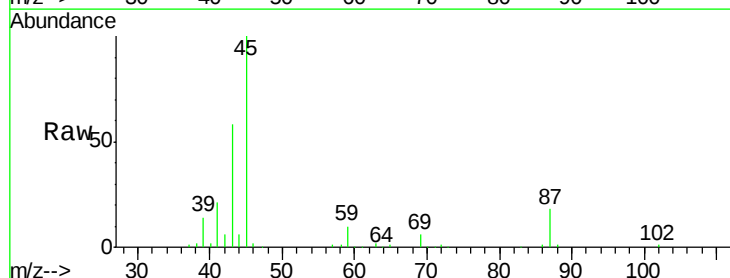
Ion Ratio Lower Upper

45 100

43 58.0 64.3 96.5#

87 17.5 14.3 21.5

59 9.7 7.8 11.8

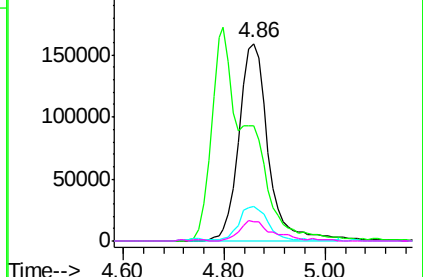
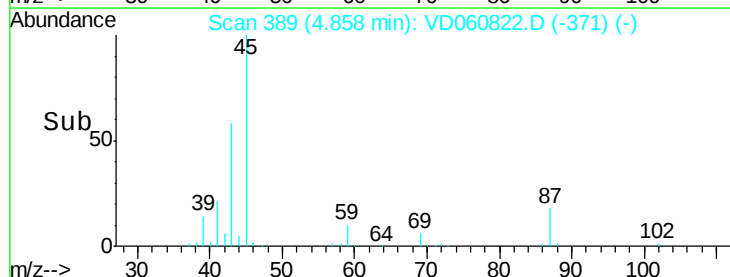


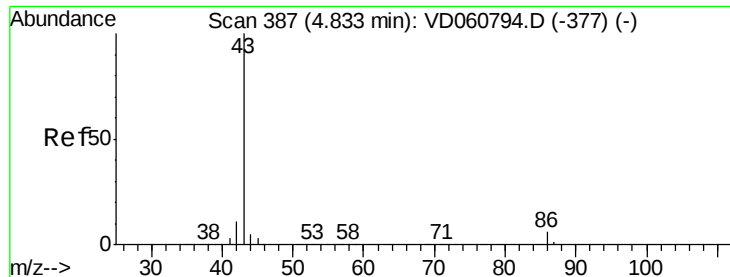
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 126.665 ug/l

RT: 4.80 min Scan# 383

Delta R.T. -0.03 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

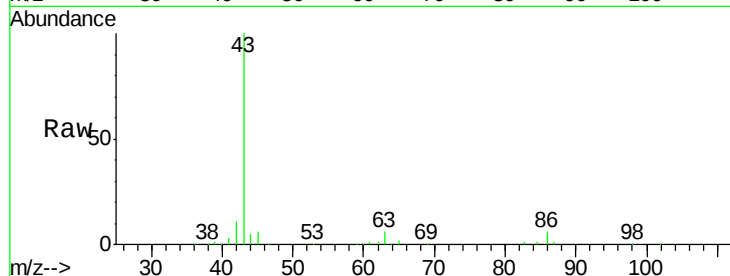
A0C17-SSIMSD

Tot Ion: 43 Resp: 866007

Ion Ratio Lower Upper

43 100

86 5.9 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.80

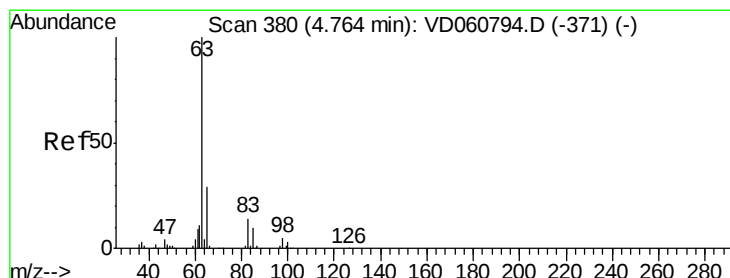
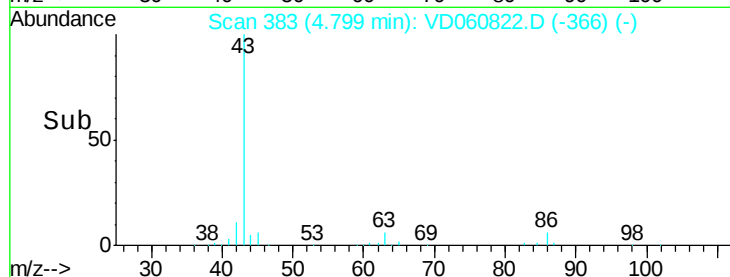
150000

100000

50000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#24

1,1-Dichloroethane

Concen: 56.783 ug/l

RT: 4.74 min Scan# 377

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

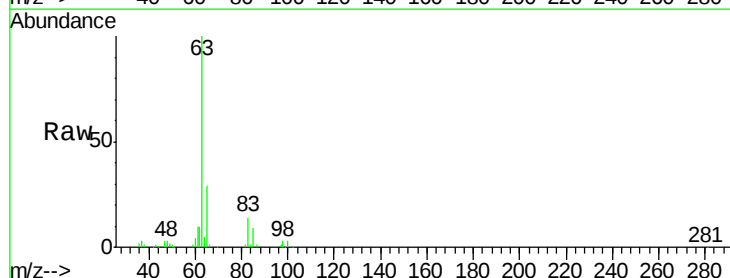
Tgt Ion: 63 Resp: 441336

Ion Ratio Lower Upper

63 100

98 3.5 2.3 6.9

100 2.7 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.74

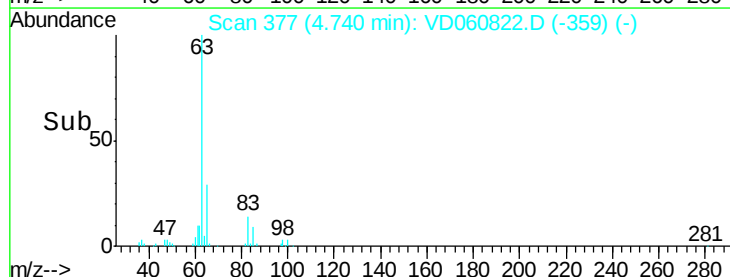
150000

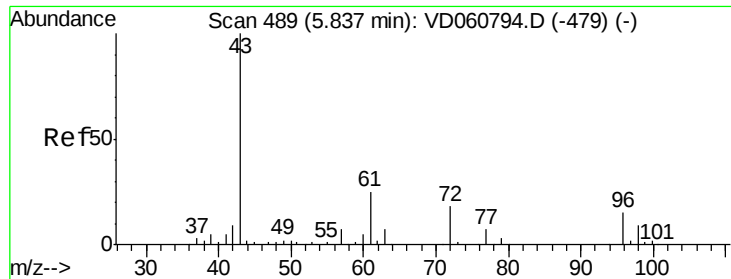
100000

50000

0

Time--> 4.60 4.70 4.80 4.90





#25

2-Butanone

Concen: 323.737 ug/l

RT: 5.80 min Scan# 485

Delta R.T. -0.03 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

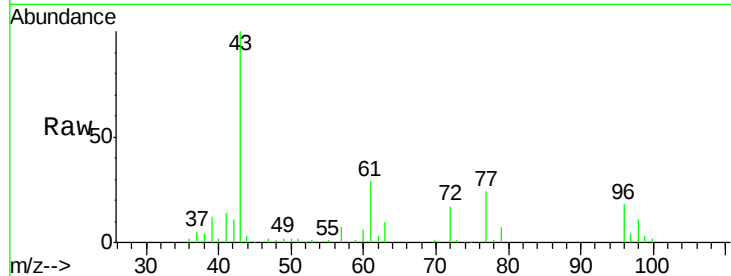
A0C17-SSIMSD

Tot Ion: 43 Resp: 344849

Ion Ratio Lower Upper

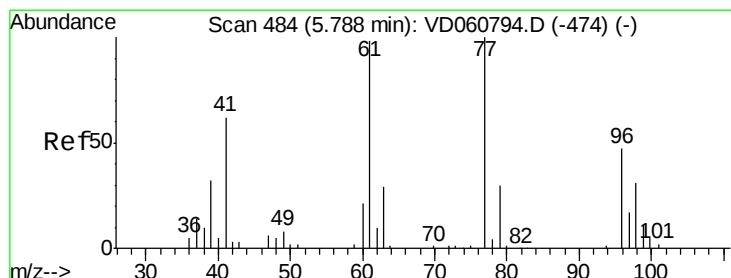
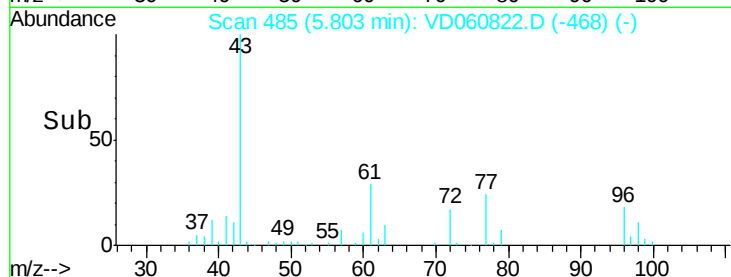
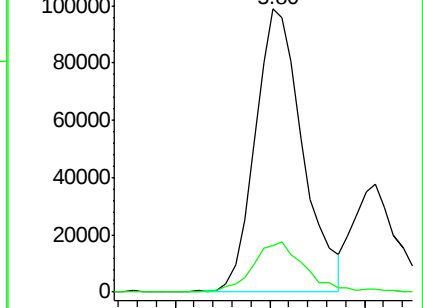
43 100

72 16.6 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 58.566 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.03 min

Lab File: VD060822.D

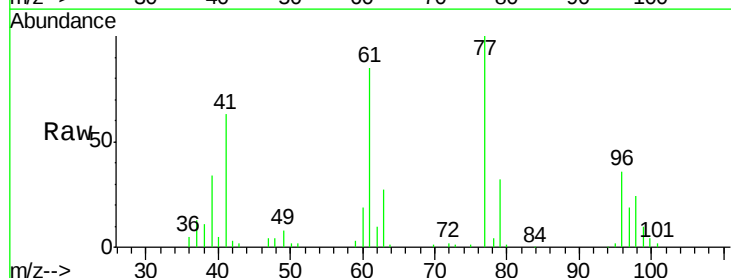
Acq: 1 Feb 2019 16:36

Tgt Ion: 77 Resp: 479614

Ion Ratio Lower Upper

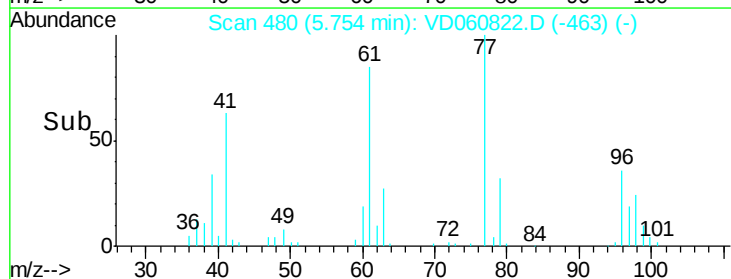
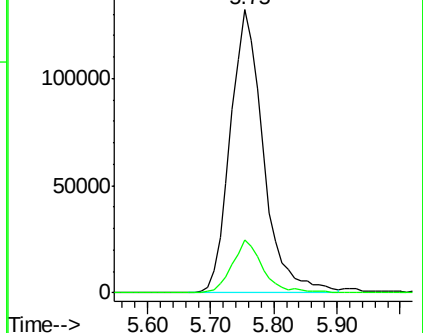
77 100

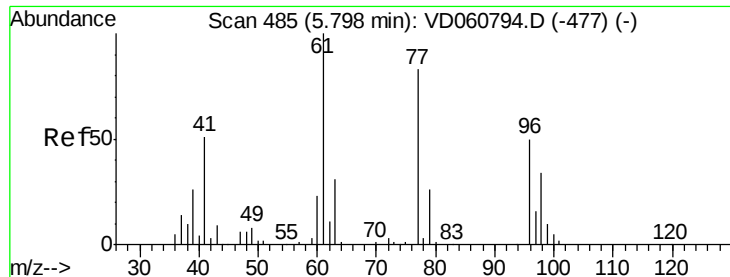
97 18.9 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



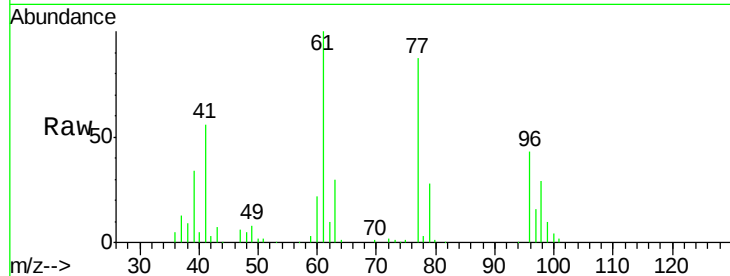


#27

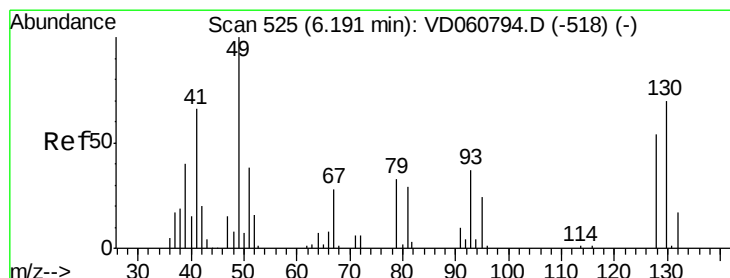
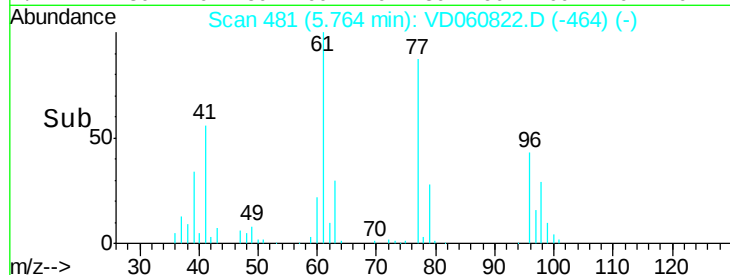
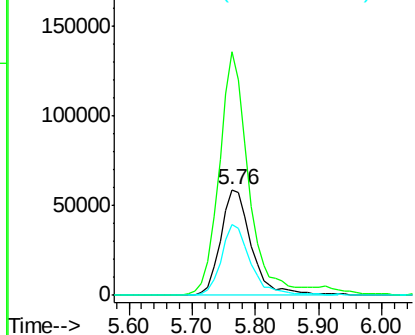
cis-1,2-Dichloroethene
Concen: 50.017 ug/l
RT: 5.76 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

Tot Ion: 96 Resp: 198814
Ion Ratio Lower Upper
96 100
61 231.0 0.0 400.0
98 67.1 0.0 136.4



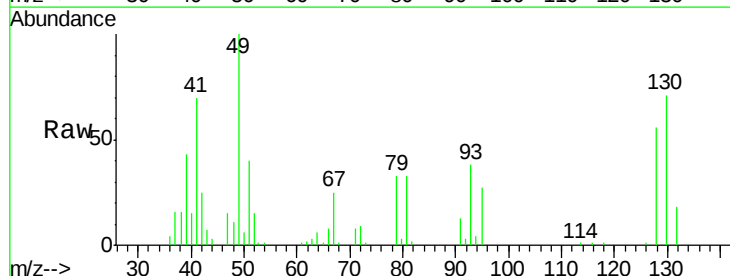
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



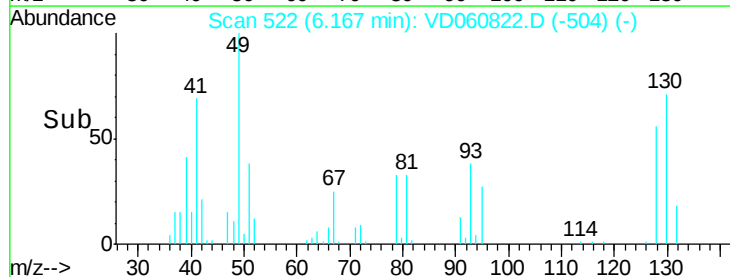
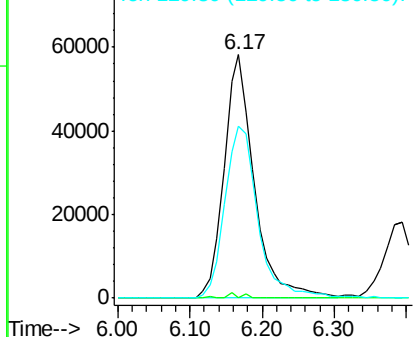
#28

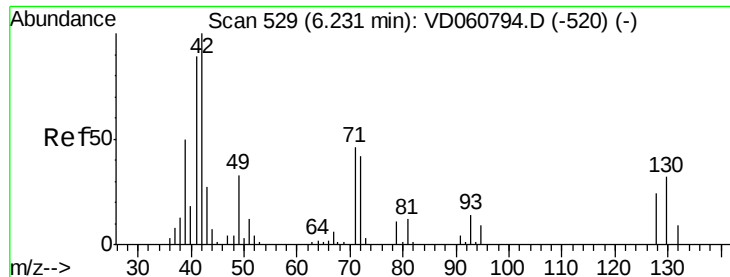
Bromochloromethane
Concen: 55.641 ug/l
RT: 6.17 min Scan# 522
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 49 Resp: 168701
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 70.7 56.1 84.1



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

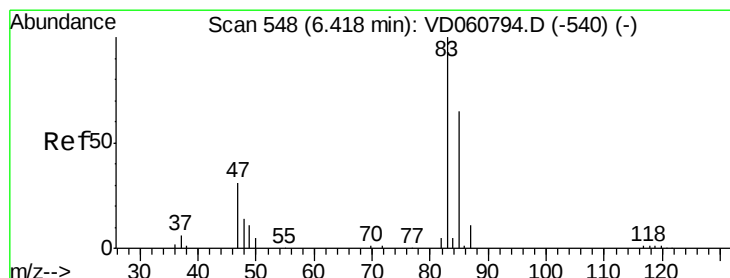
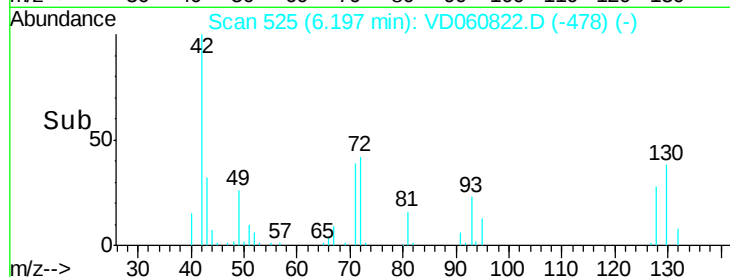
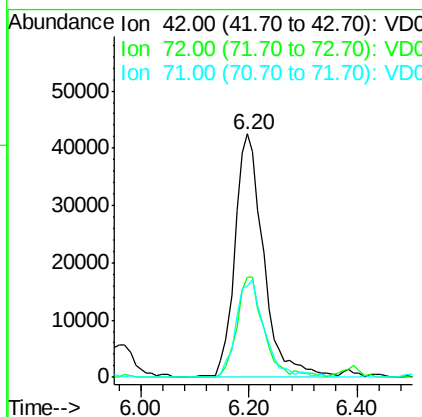
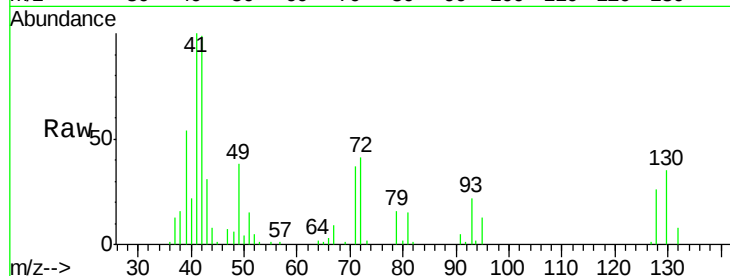




#29
Tetrahydrofuran
Concen: 307.327 ug/l
RT: 6.20 min Scan# 525
Delta R.T. -0.03 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

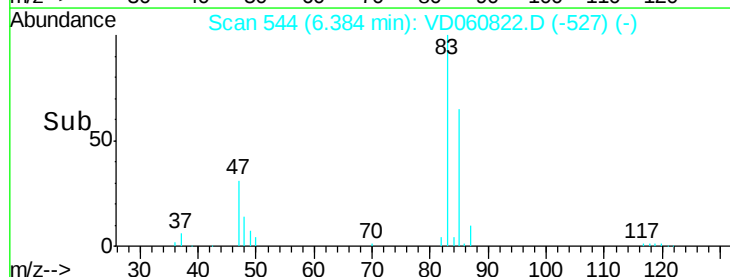
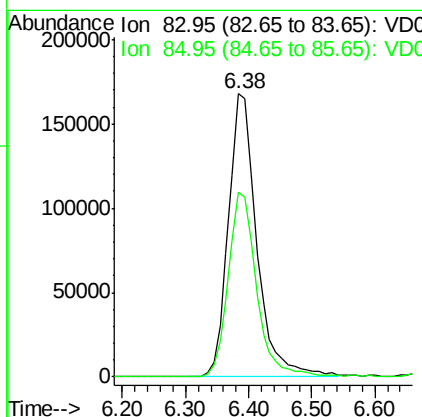
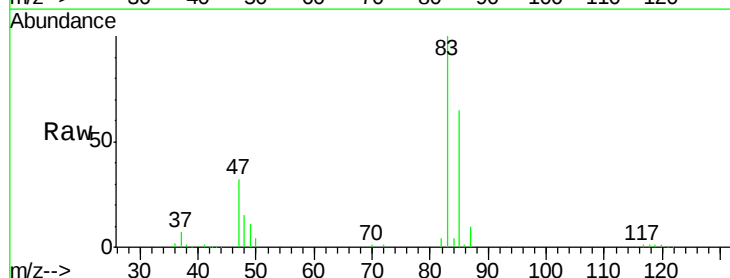
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

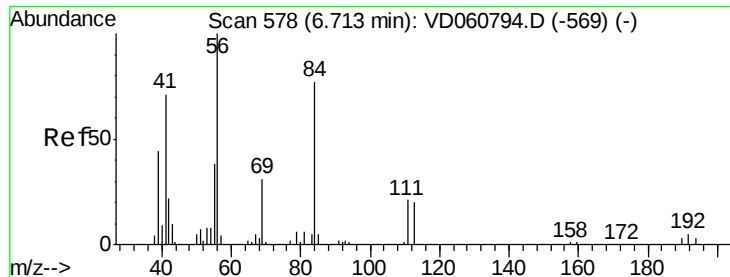
Tot Ion: 42 Resp: 157209
Ion Ratio Lower Upper
42 100
72 38.9 32.8 49.2
71 39.8 34.6 52.0



#30
Chloroform
Concen: 56.767 ug/l
RT: 6.38 min Scan# 544
Delta R.T. -0.03 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 83 Resp: 521481
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5

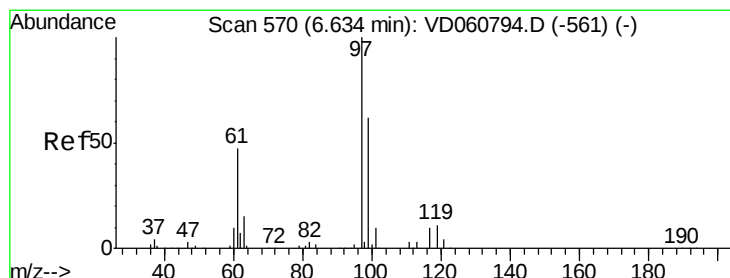
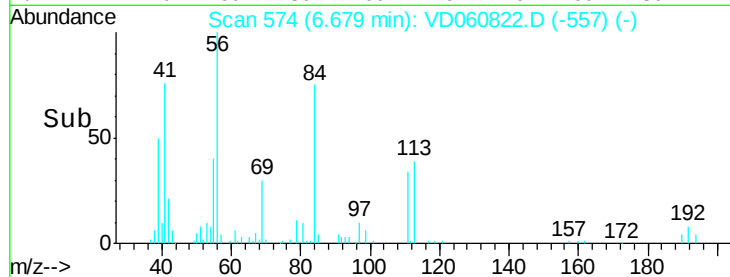
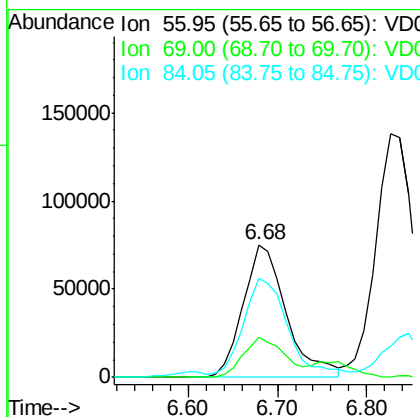
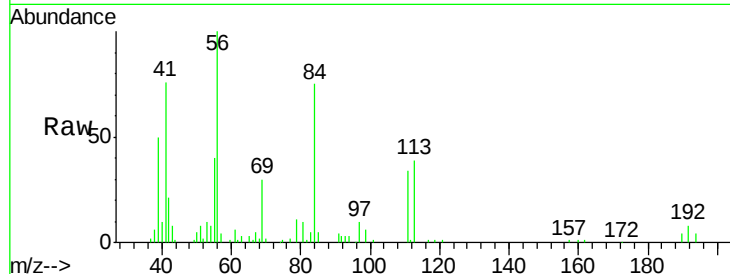




#31
Cyclohexane
Concen: 47.819 ug/l
RT: 6.68 min Scan# 574
Delta R.T. -0.03 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

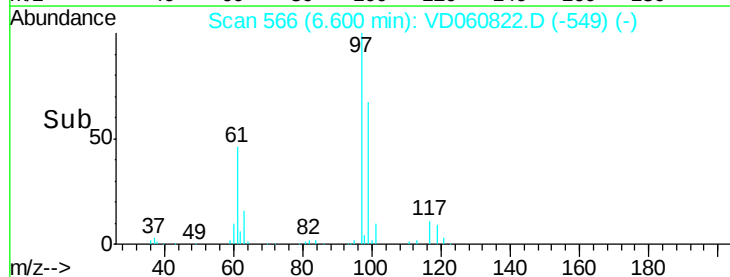
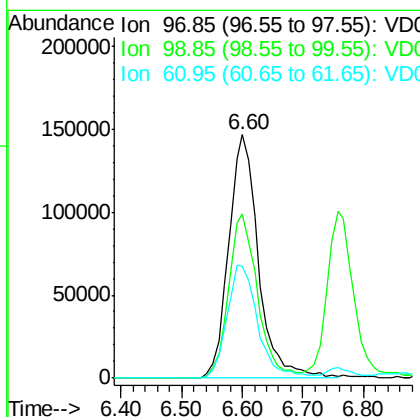
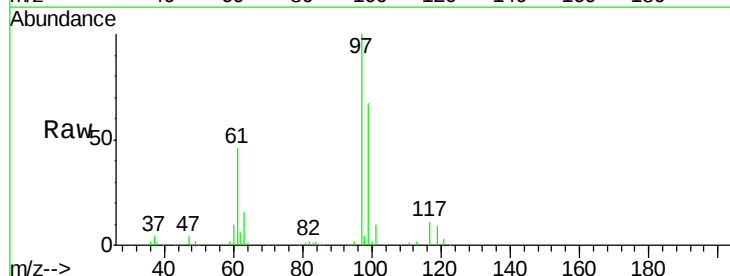
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

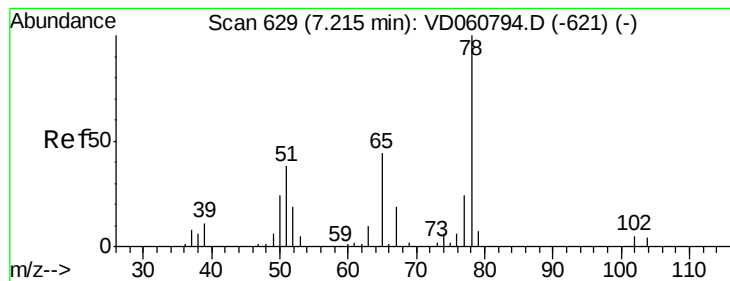
Tot Ion: 56 Resp: 252873
Ion Ratio Lower Upper
56 100
69 29.8 25.1 37.7
84 74.5 63.9 95.9



#32
1,1,1-Trichloroethane
Concen: 56.416 ug/l
RT: 6.60 min Scan# 566
Delta R.T. -0.03 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 97 Resp: 499078
Ion Ratio Lower Upper
97 100
99 67.5 49.6 74.4
61 45.7 37.4 56.2





#33

1,2-Dichloroethane-d4

Concen: 56.416 ug/l

RT: 7.18 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

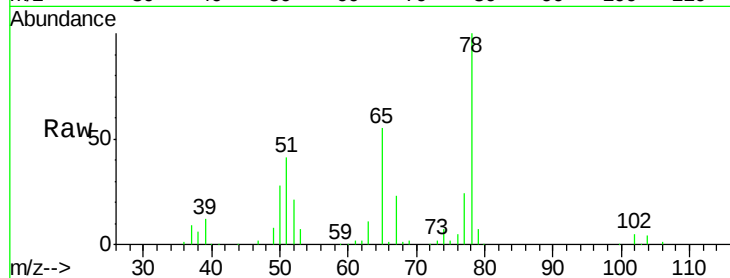
A0C17-SSIMSD

Tot Ion: 65 Resp: 336755

Ion Ratio Lower Upper

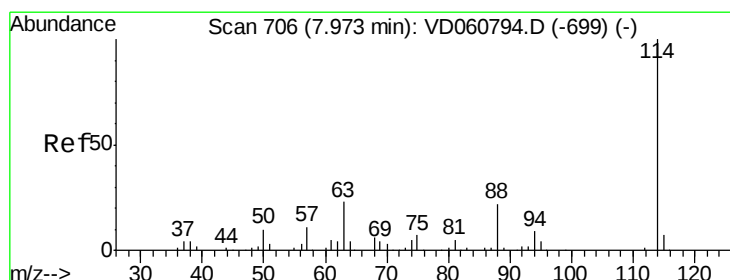
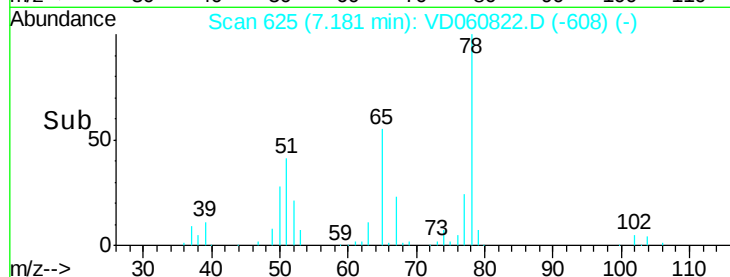
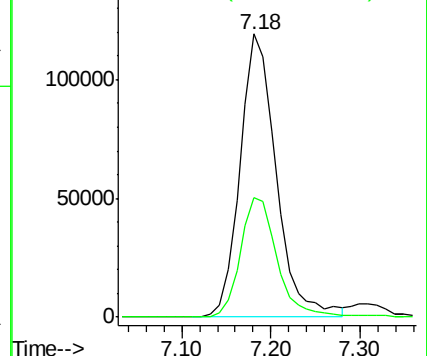
65 100

67 42.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 703

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

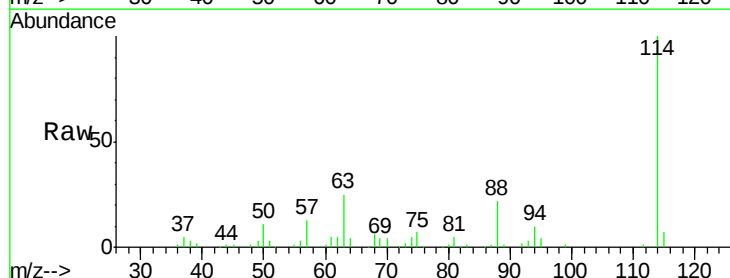
Tgt Ion: 114 Resp: 485949

Ion Ratio Lower Upper

114 100

63 24.6 0.0 46.6

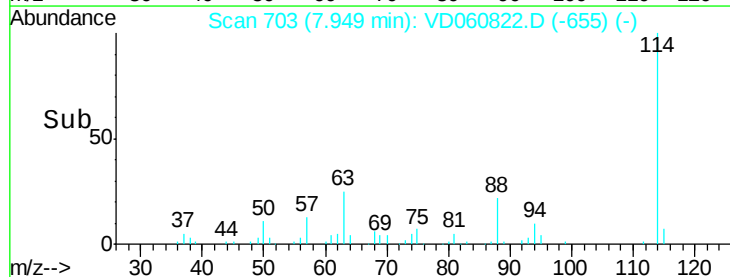
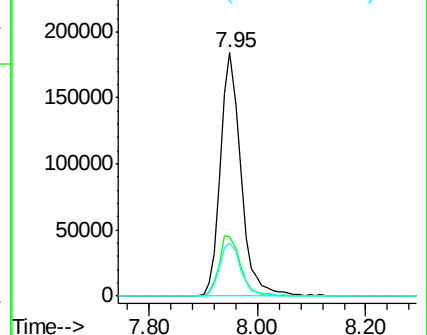
88 21.8 0.0 44.0

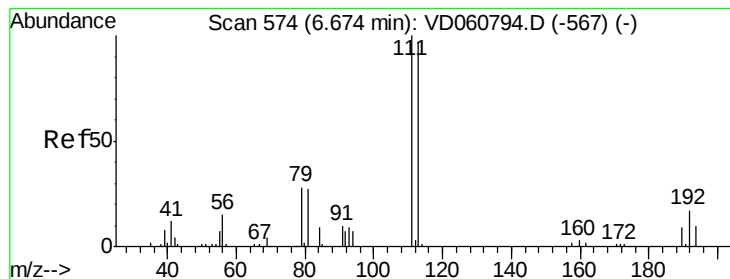


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.65 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

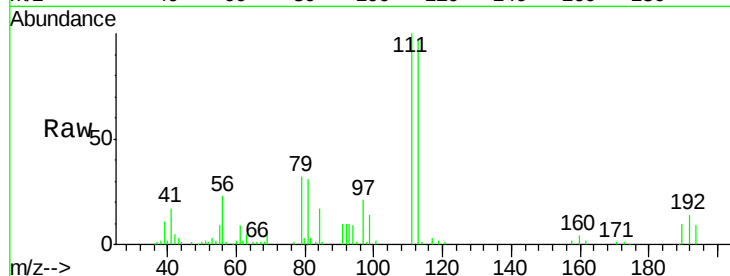
Tot Ion:113 Resp: 261193

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

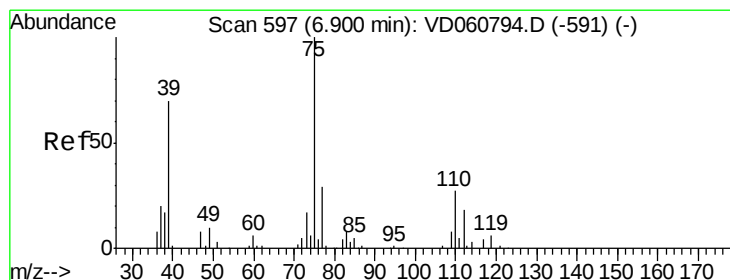
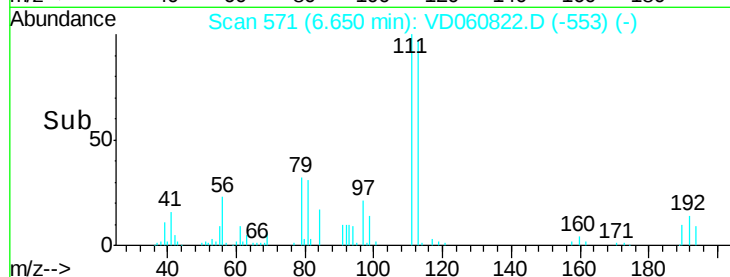
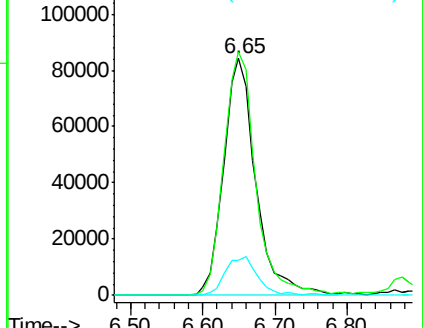
192 14.8 14.4 21.6



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: 54.459 ug/l

RT: 6.88 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

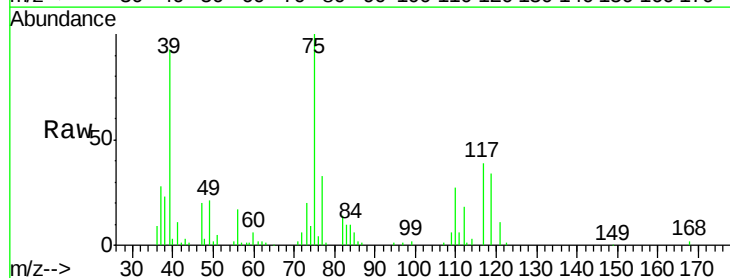
Tgt Ion: 75 Resp: 315980

Ion Ratio Lower Upper

75 100

110 27.0 13.5 40.4

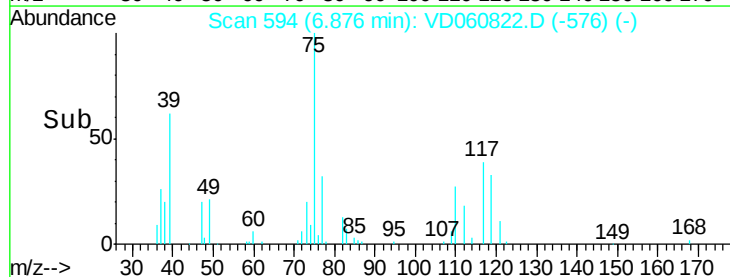
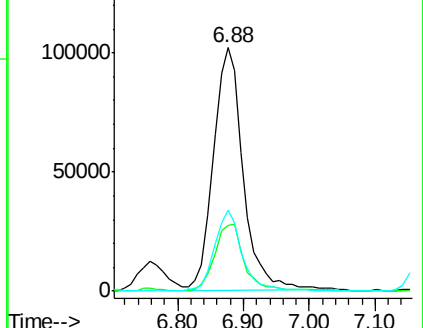
77 33.2 23.4 35.2

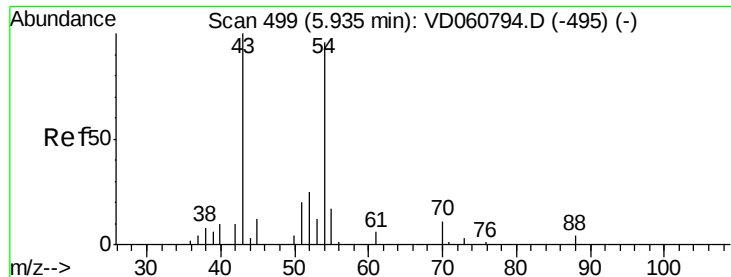


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 47.756 ug/l

RT: 5.91 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

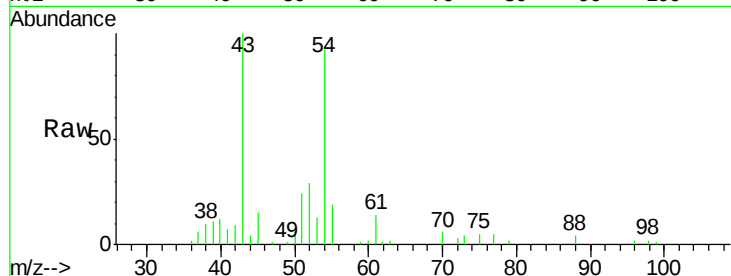
Tot Ion: 43 Resp: 123690

Ion Ratio Lower Upper

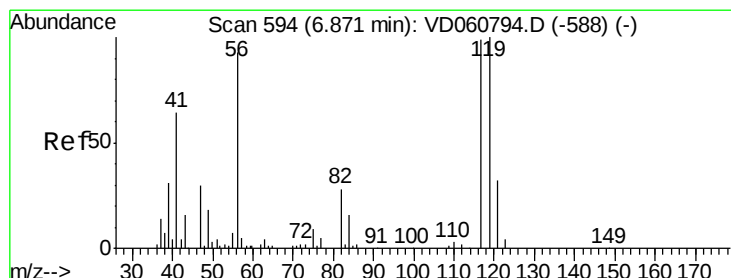
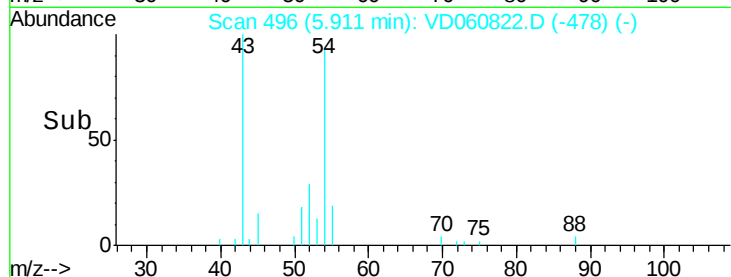
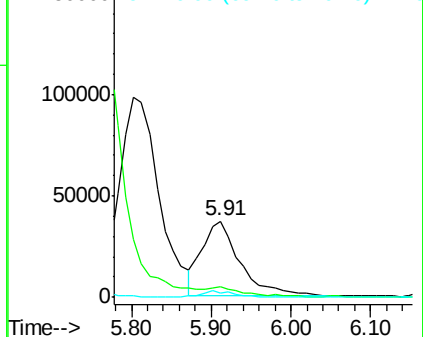
43 100

61 14.2 12.3 18.5

70 6.2 7.4 11.0#



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



#38

Carbon Tetrachloride

Concen: 61.582 ug/l

RT: 6.85 min Scan# 591

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

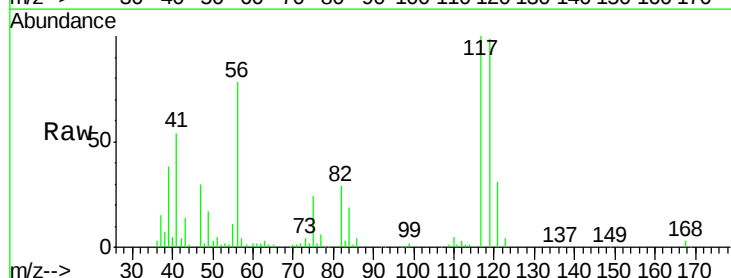
Tgt Ion: 117 Resp: 448050

Ion Ratio Lower Upper

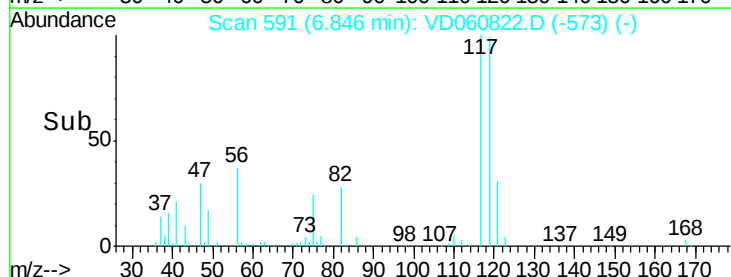
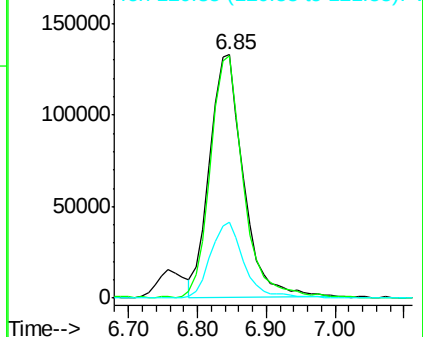
117 100

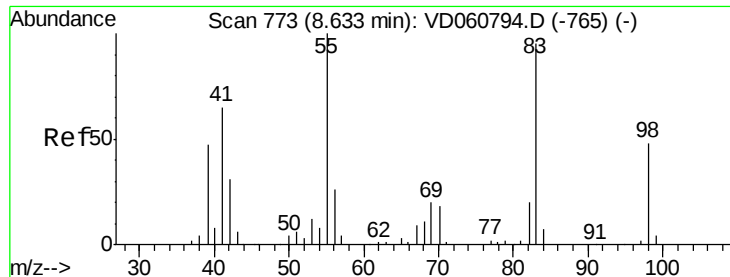
119 99.4 75.6 113.4

121 31.1 23.4 35.2



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 40.943 ug/l

RT: 8.60 min Scan# 769

Delta R.T. -0.03 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

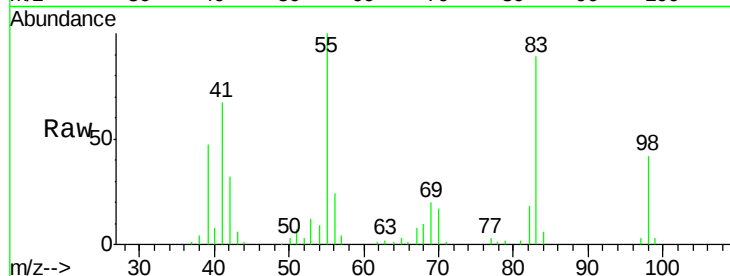
Tot Ion: 83 Resp: 198940

Ion Ratio Lower Upper

83 100

55 112.0 83.8 125.8

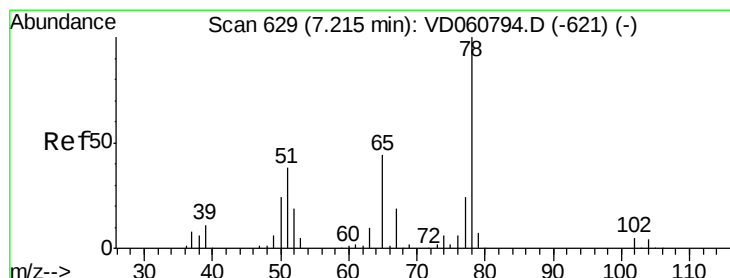
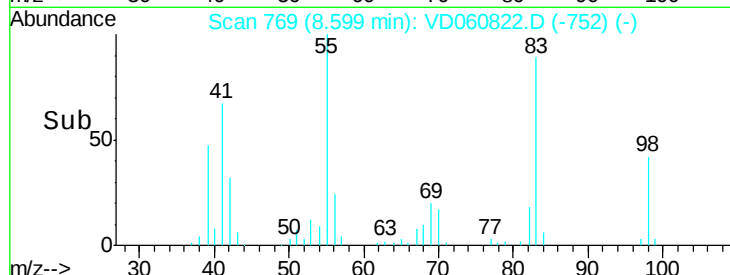
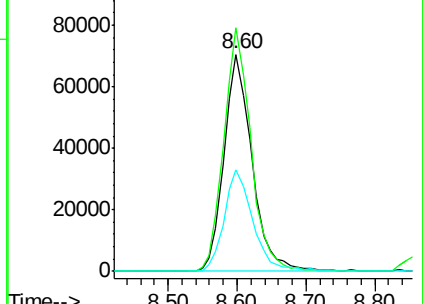
98 46.8 39.8 59.8



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: 55.858 ug/l

RT: 7.19 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD060822.D

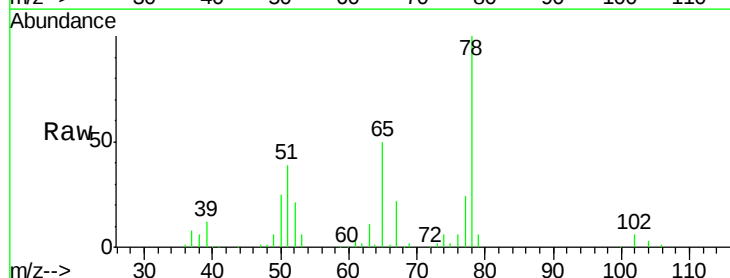
Acq: 1 Feb 2019 16:36

Tgt Ion: 78 Resp: 639658

Ion Ratio Lower Upper

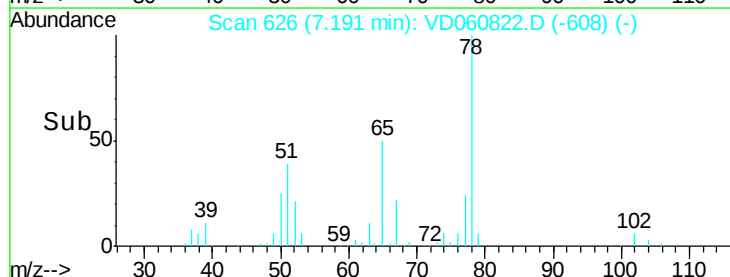
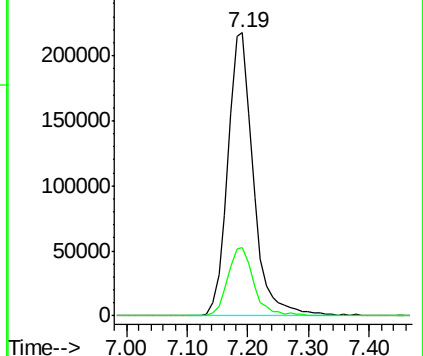
78 100

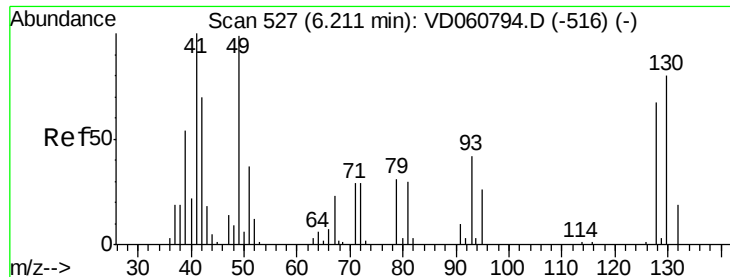
77 24.1 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 134.794 ug/l

RT: 6.18 min Scan# 523

Delta R.T. -0.03 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

Tot Ion: 41 Resp: 221720

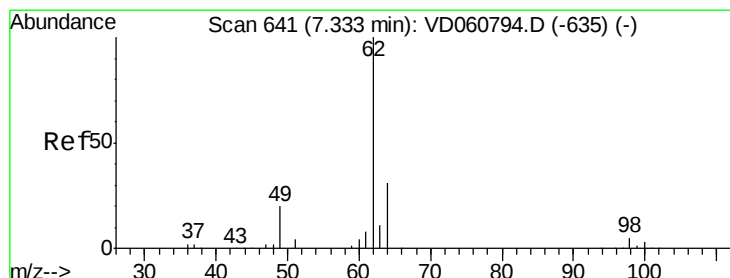
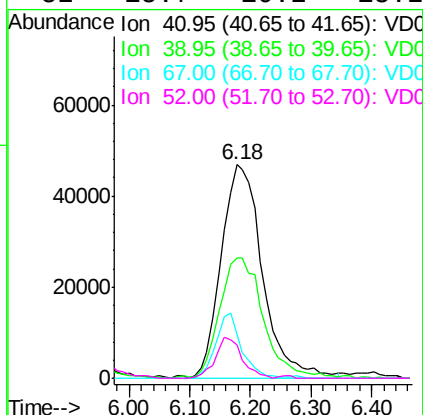
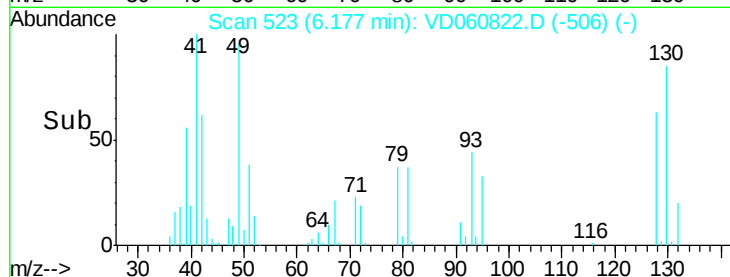
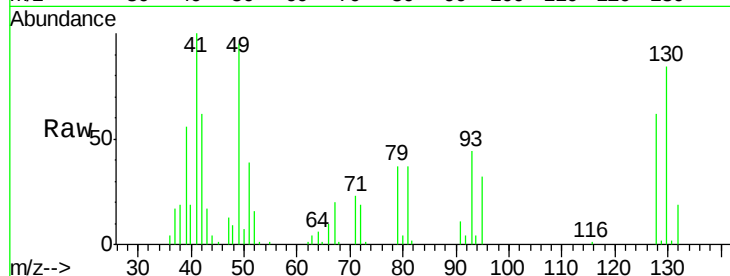
Ion Ratio Lower Upper

41 100

39 56.1 43.6 65.4

67 20.5 18.5 27.7

52 15.7 10.2 15.2#



#42

1,2-Dichloroethane

Concen: 71.295 ug/l

RT: 7.31 min Scan# 638

Delta R.T. -0.02 min

Lab File: VD060822.D

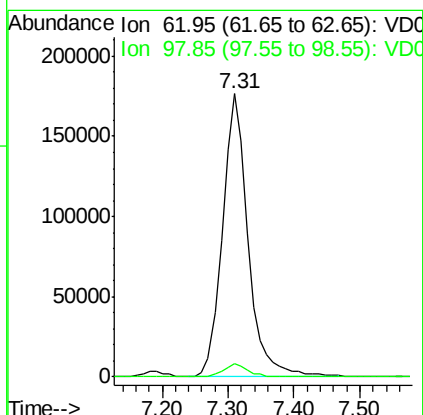
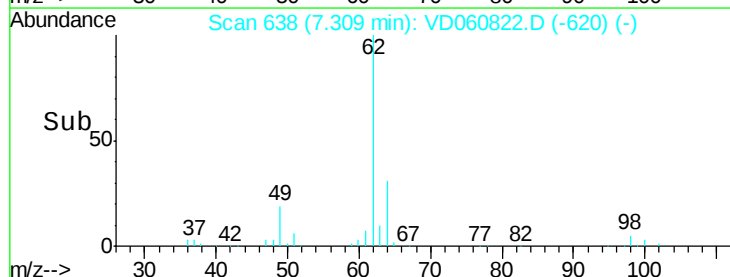
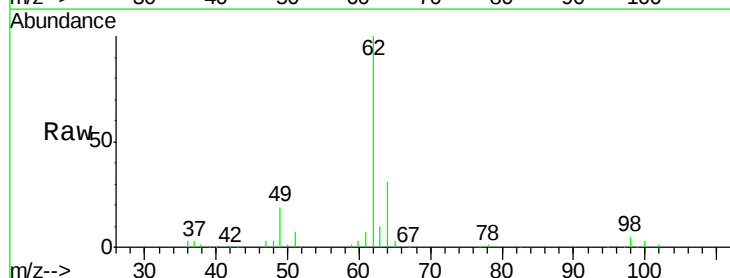
Acq: 1 Feb 2019 16:36

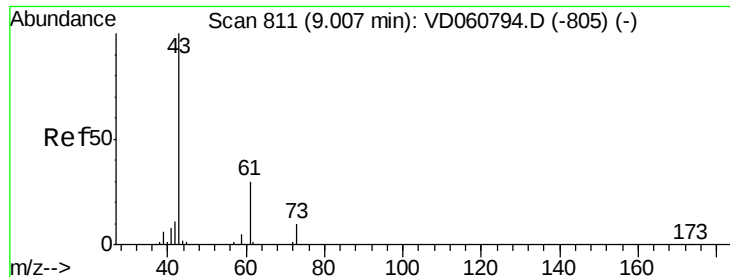
Tgt Ion: 62 Resp: 474293

Ion Ratio Lower Upper

62 100

98 4.5 0.0 10.2



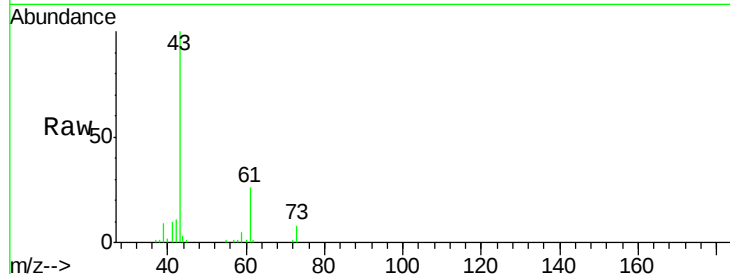


#43

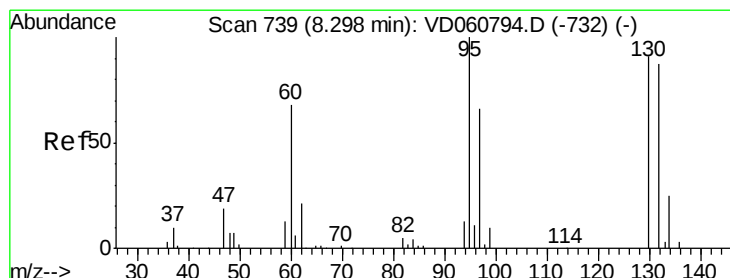
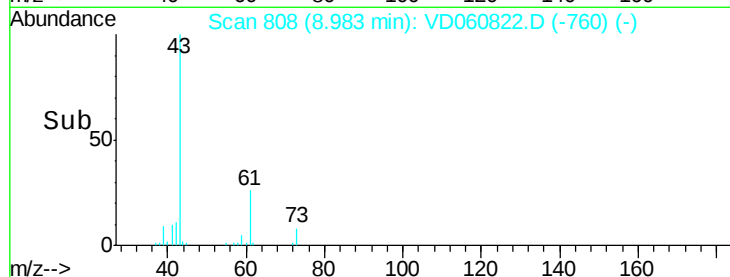
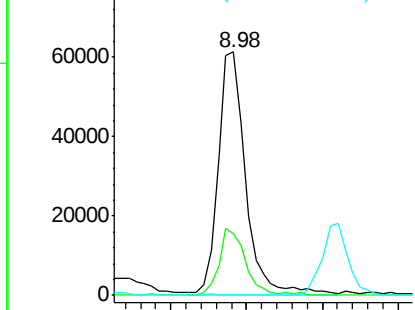
Isopropyl Acetate
 Concen: 46.277 ug/l
 RT: 8.98 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

Tot Ion: 43 Resp: 156327
 Ion Ratio Lower Upper
 43 100
 61 25.6 24.1 36.1
 87 0.0 0.0 0.0



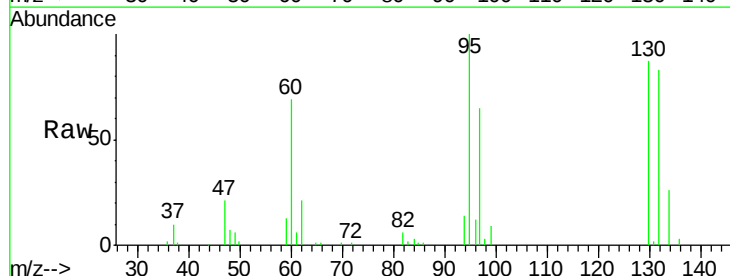
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



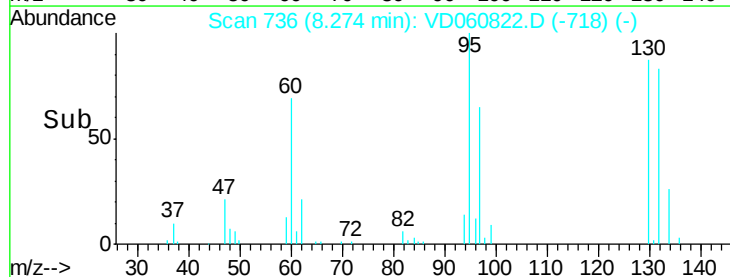
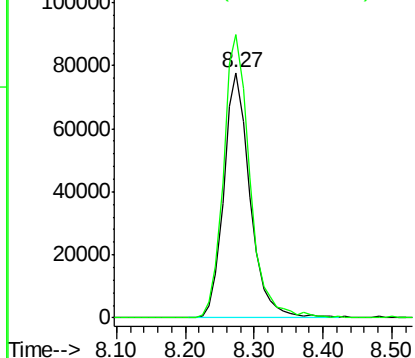
#44

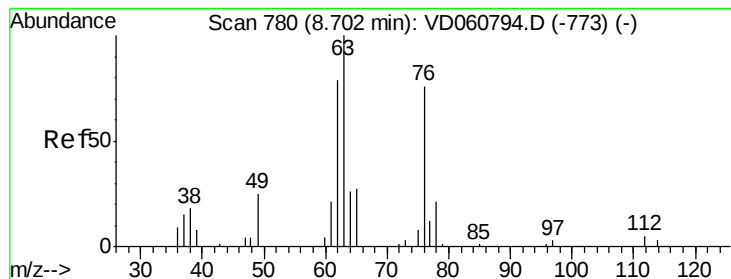
Trichloroethene
 Concen: 52.757 ug/l
 RT: 8.27 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:130 Resp: 204805
 Ion Ratio Lower Upper
 130 100
 95 115.5 0.0 221.0



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





#45

1,2-Dichloropropane

Concen: 58.326 ug/l

RT: 8.68 min Scan# 777

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

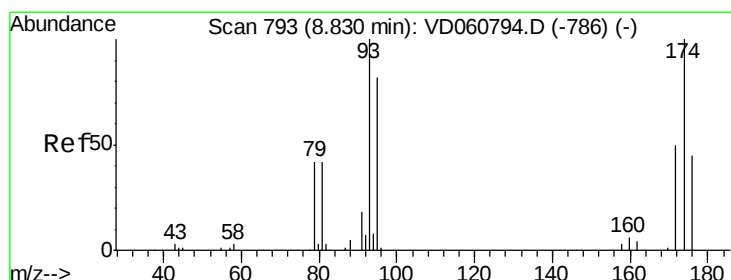
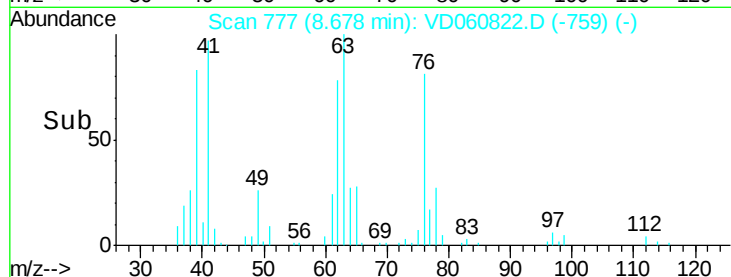
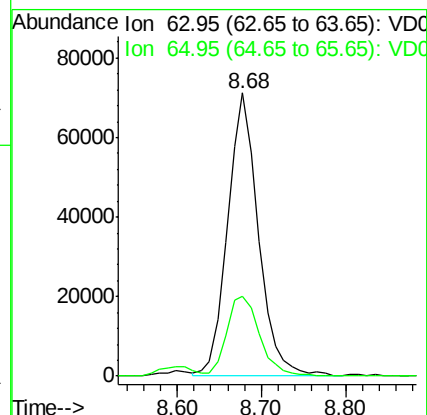
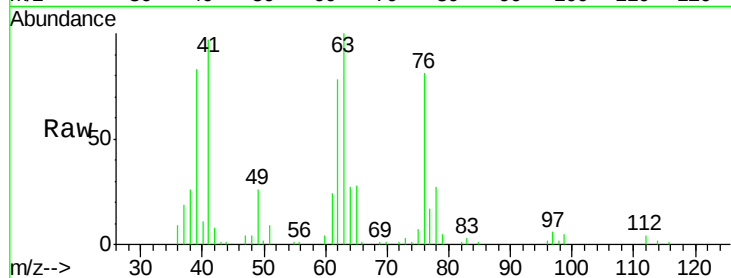
A0C17-SSIMSD

Tot Ion: 63 Resp: 180806

Ion Ratio Lower Upper

63 100

65 28.2 24.1 36.1



#46

Dibromomethane

Concen: 65.709 ug/l

RT: 8.81 min Scan# 790

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

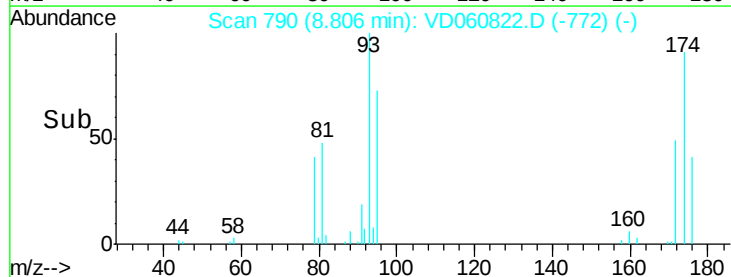
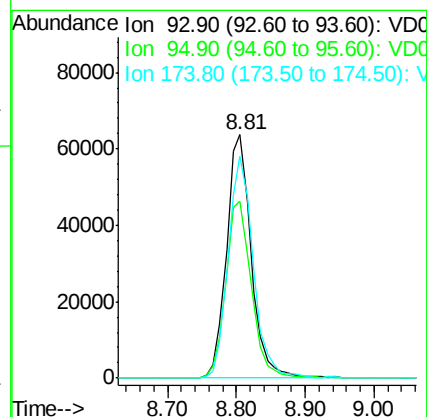
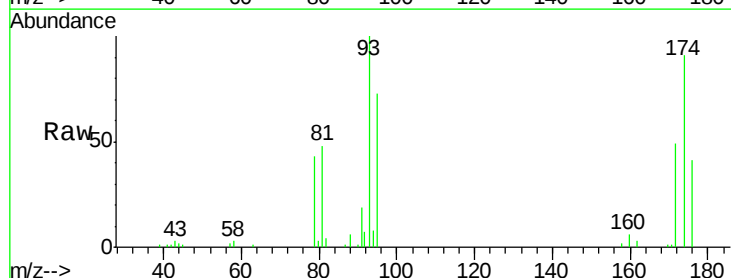
Tgt Ion: 93 Resp: 158125

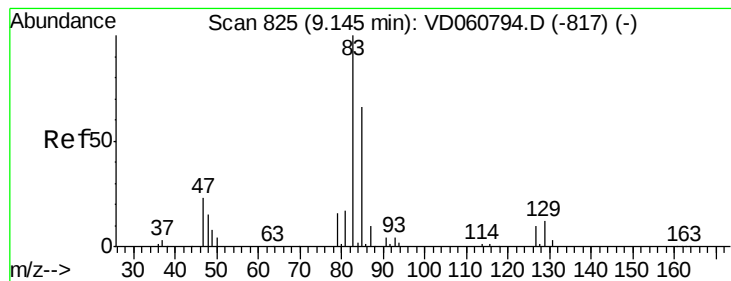
Ion Ratio Lower Upper

93 100

95 72.9 65.8 98.8

174 91.3 79.8 119.6





#47

Bromodichloromethane

Concen: 64.788 ug/l

RT: 9.11 min Scan# 821

Delta R.T. -0.03 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

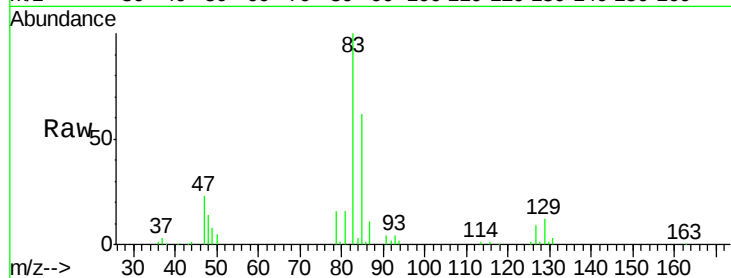
Tot Ion: 83 Resp: 420830

Ion Ratio Lower Upper

83 100

85 61.8 52.6 79.0

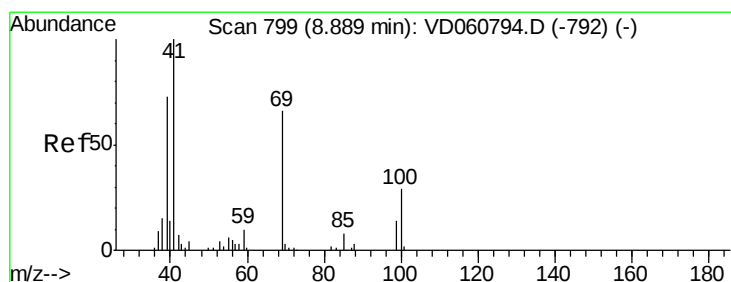
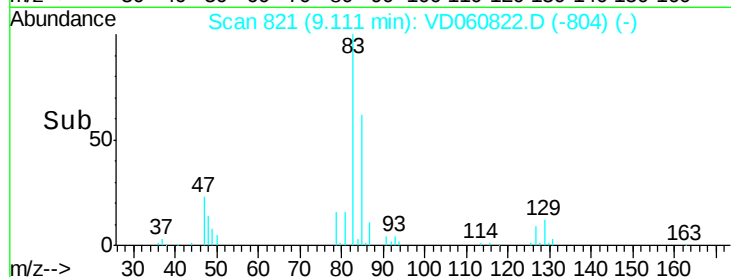
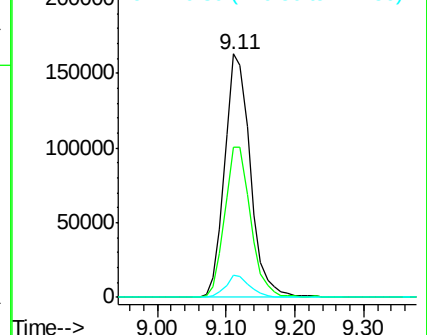
127 8.9 7.7 11.5



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: 77.785 ug/l

RT: 8.86 min Scan# 796

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

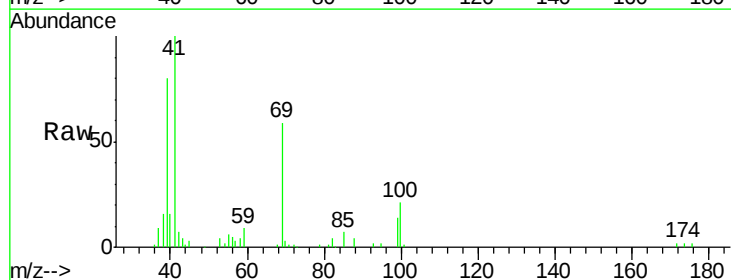
Tgt Ion: 41 Resp: 181200

Ion Ratio Lower Upper

41 100

69 59.3 52.5 78.7

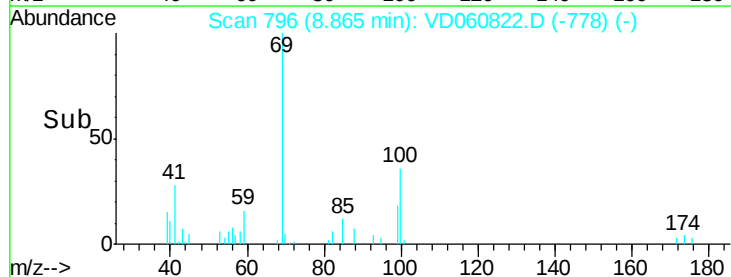
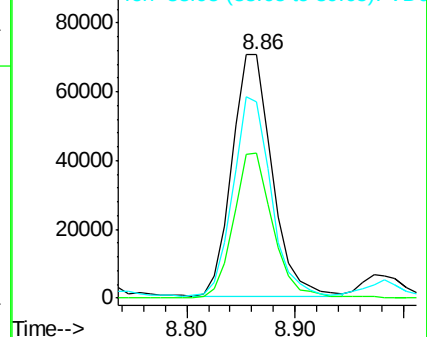
39 80.4 59.0 88.6

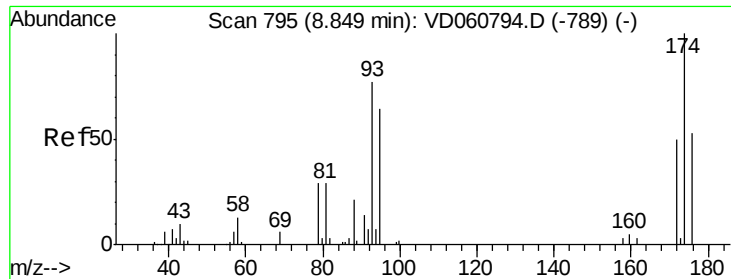


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

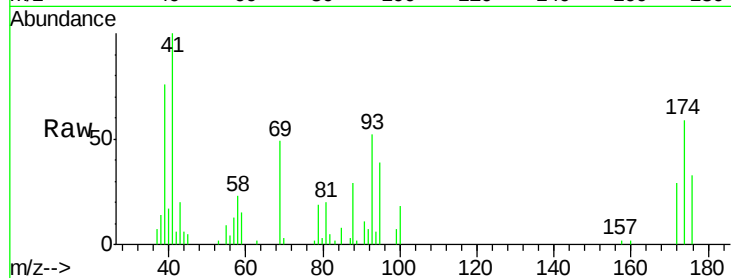




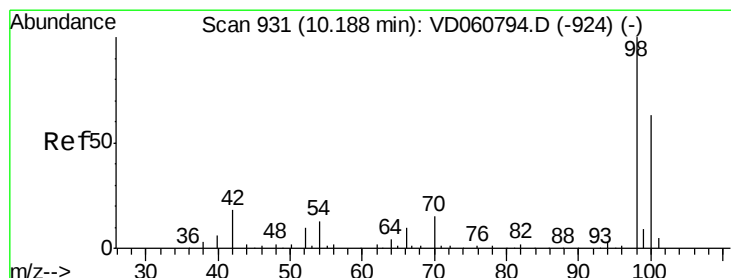
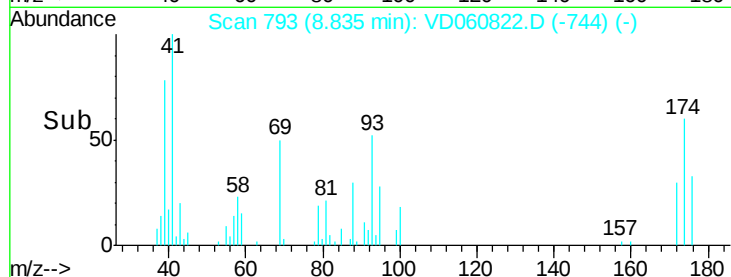
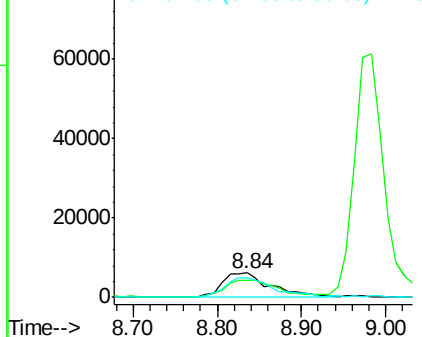
#49
1,4-Dioxane
Concen: 1227.008 ug/l
RT: 8.84 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

Tot Ion: 88 Resp: 24930
Ion Ratio Lower Upper
88 100
43 68.0 40.9 61.3#
58 78.8 52.2 78.4#

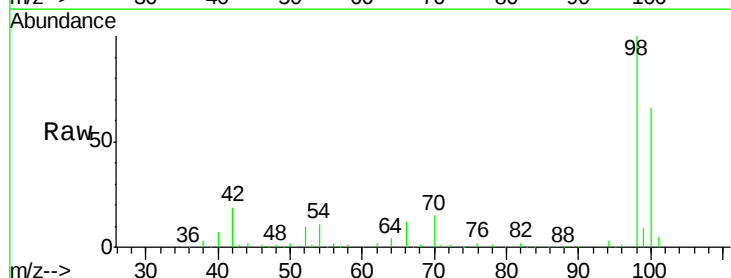


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

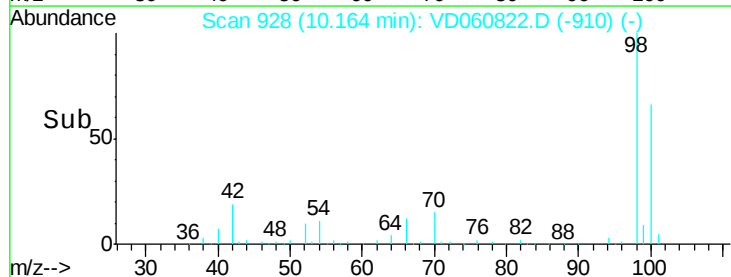
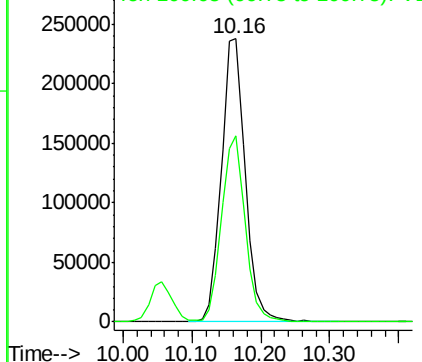


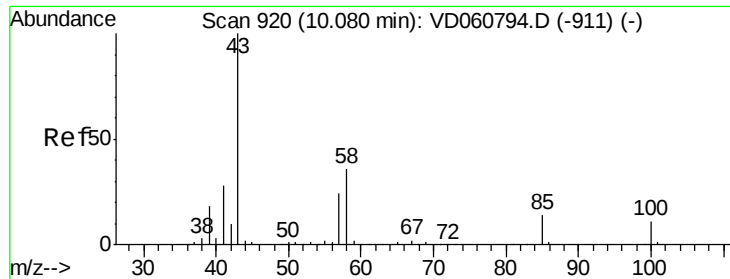
#50
Toluene-d8
Concen: 1227.008 ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 98 Resp: 571661
Ion Ratio Lower Upper
98 100
100 65.6 51.0 76.6



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: 352.957 ug/l

RT: 10.06 min Scan# 917

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

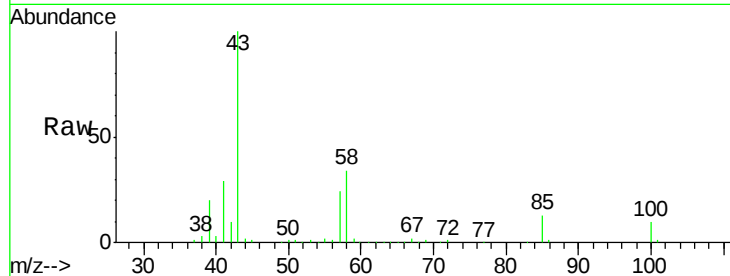
A0C17-SSIMSD

Tot Ion: 43 Resp: 772135

Ion Ratio Lower Upper

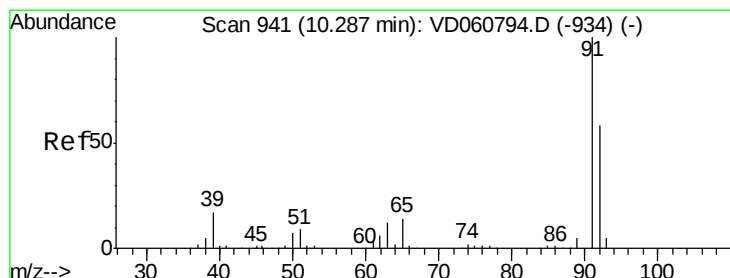
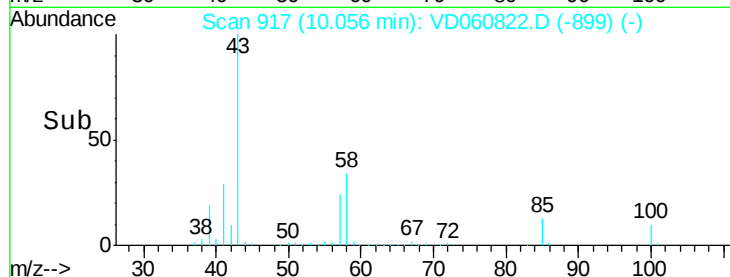
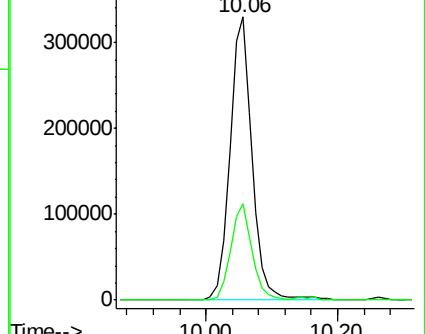
43 100

58 34.1 28.4 42.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 55.297 ug/l

RT: 10.26 min Scan# 938

Delta R.T. -0.02 min

Lab File: VD060822.D

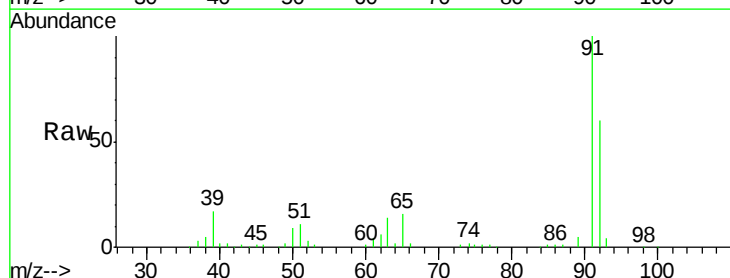
Acq: 1 Feb 2019 16:36

Tgt Ion: 92 Resp: 401671

Ion Ratio Lower Upper

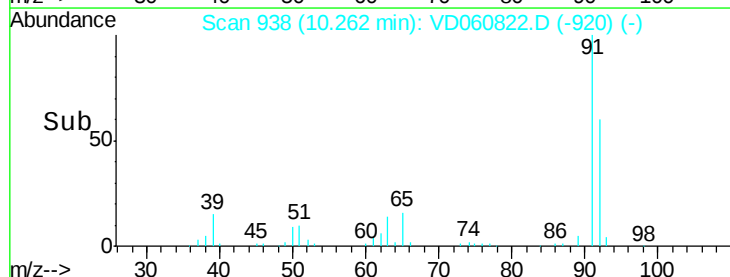
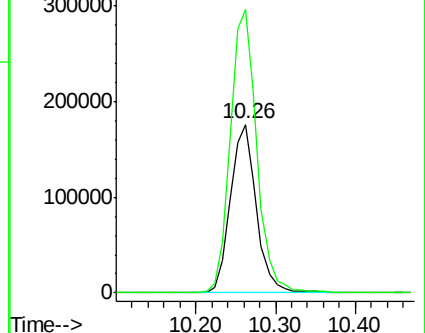
92 100

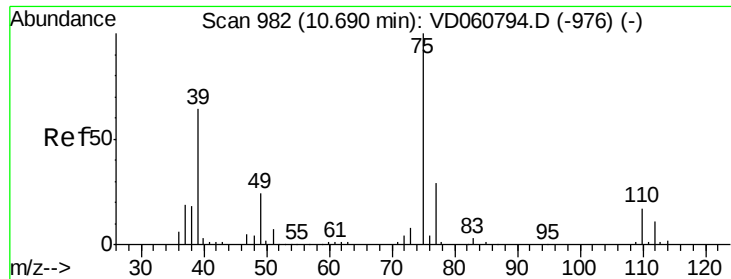
91 167.9 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

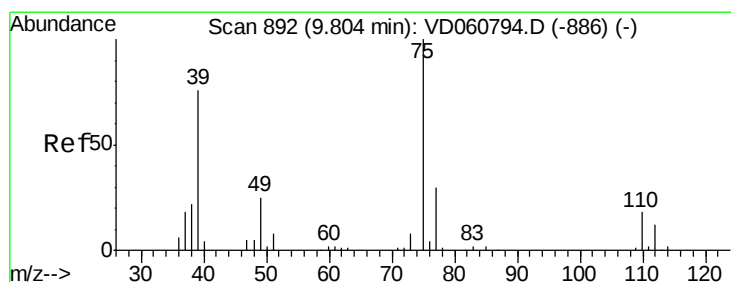
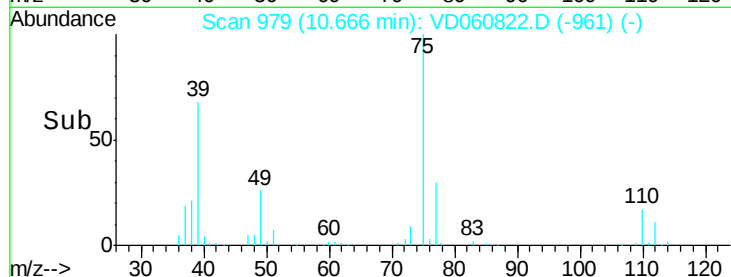
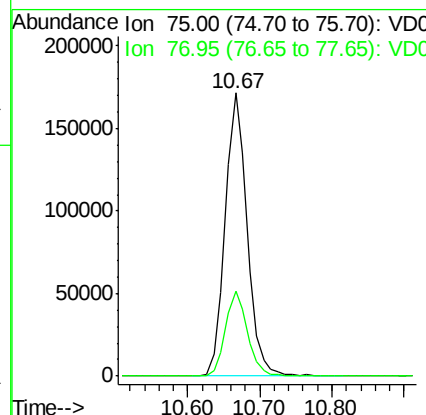
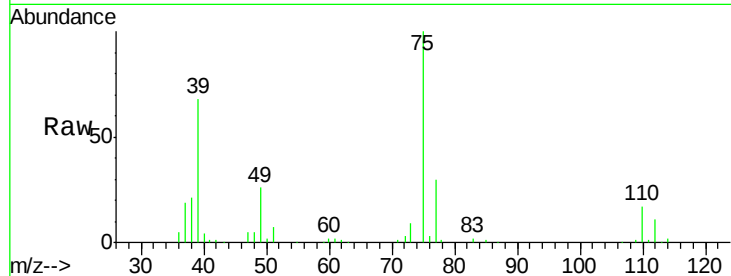




#53
t-1,3-Dichloropropene
Concen: 62.918 ug/l
RT: 10.67 min Scan# 979
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

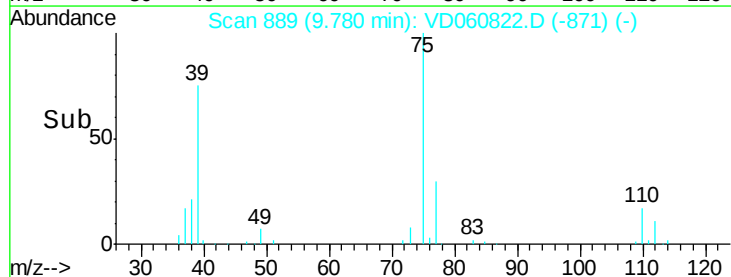
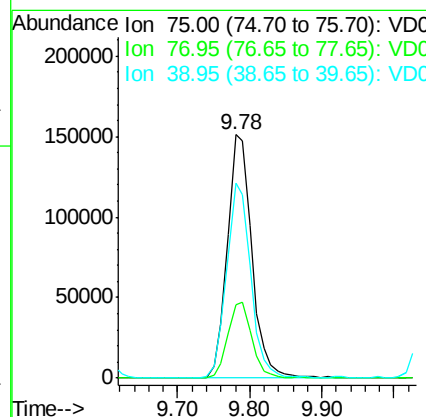
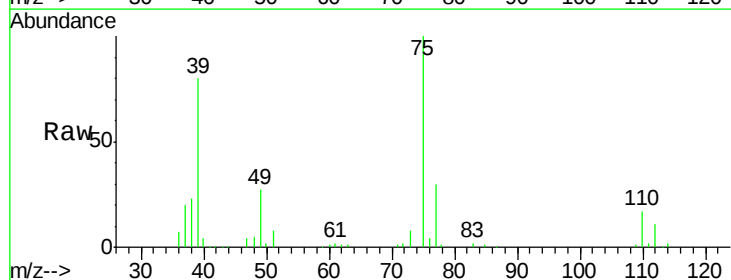
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

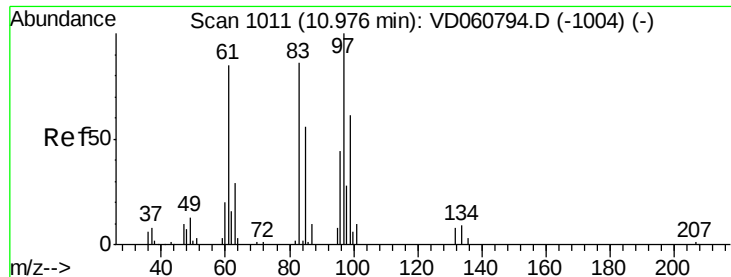
Tot Ion: 75 Resp: 359483
Ion Ratio Lower Upper
75 100
77 30.2 23.0 34.6



#54
cis-1,3-Dichloropropene
Concen: 60.946 ug/l
RT: 9.78 min Scan# 889
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 75 Resp: 357082
Ion Ratio Lower Upper
75 100
77 30.3 23.9 35.9
39 80.2 60.4 90.6

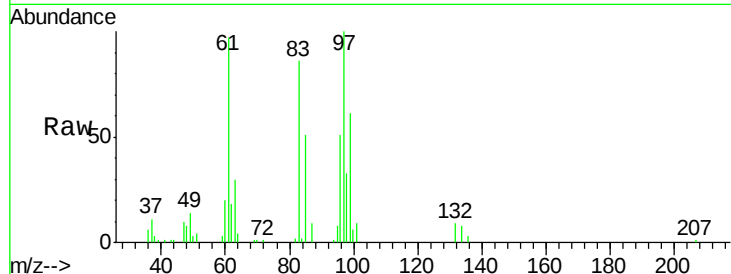




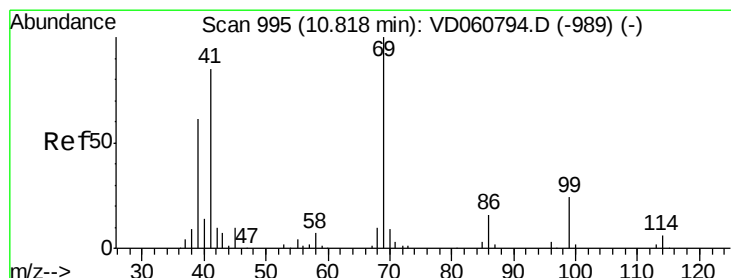
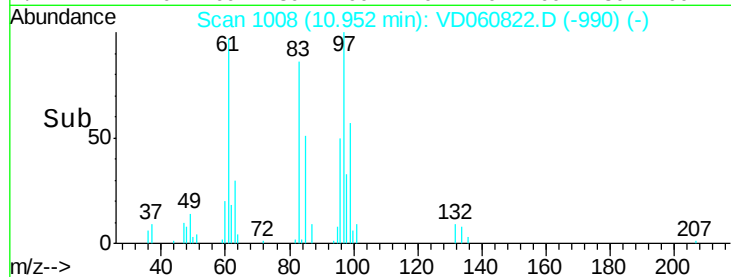
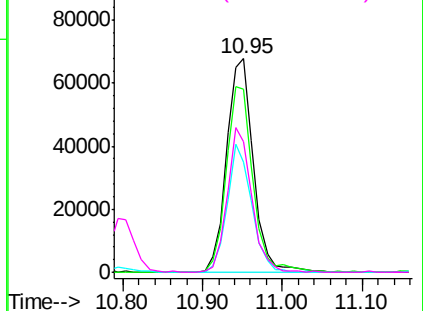
#55
 1,1,2-Trichloroethane
 Concen: 64.584 ug/l
 RT: 10.95 min Scan# 1008
 Delta R.T. -0.02 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

Tot Ion: 97 Resp: 159947
 Ion Ratio Lower Upper
 97 100
 83 85.8 68.5 102.7
 85 51.4 45.0 67.6
 99 61.1 49.0 73.4

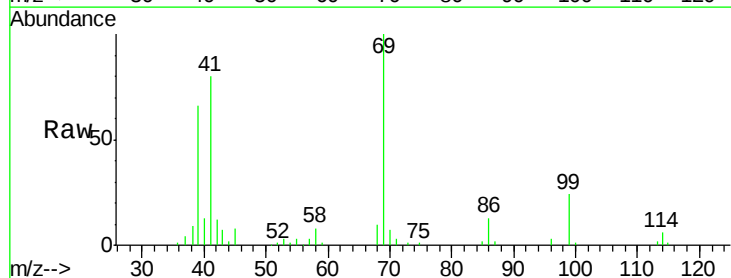


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

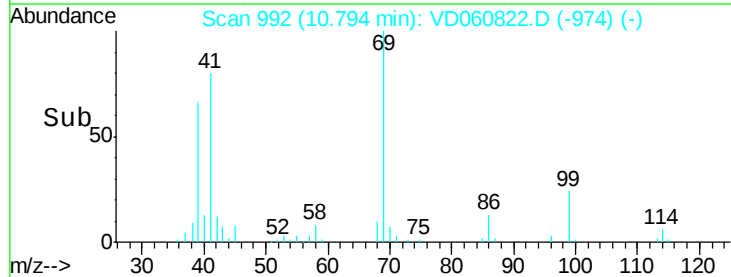
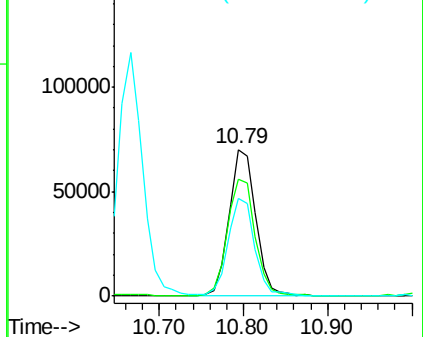


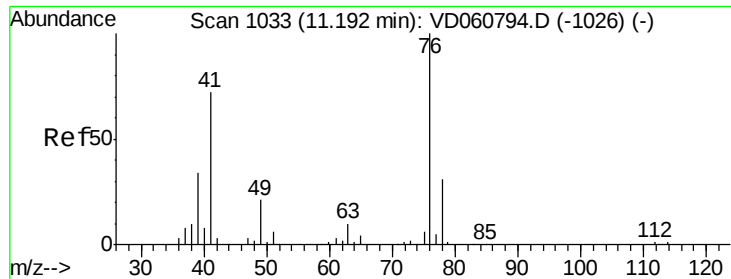
#56
 Ethyl methacrylate
 Concen: 51.602 ug/l
 RT: 10.79 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Tgt Ion: 69 Resp: 154812
 Ion Ratio Lower Upper
 69 100
 41 80.1 68.2 102.2
 39 66.3 49.4 74.0



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: 64.952 ug/l

RT: 11.17 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

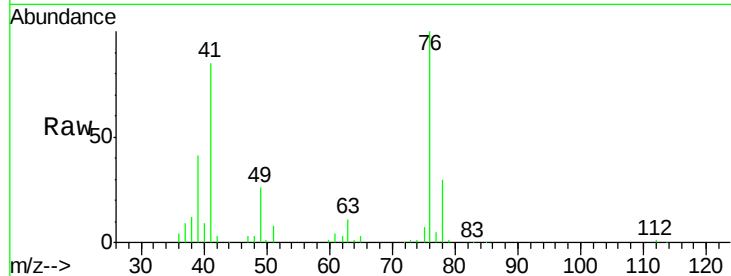
A0C17-SSIMSD

Tot Ion: 76 Resp: 274919

Ion Ratio Lower Upper

76 100

78 29.6 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.17

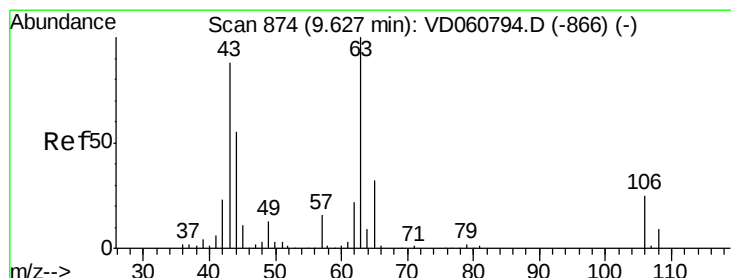
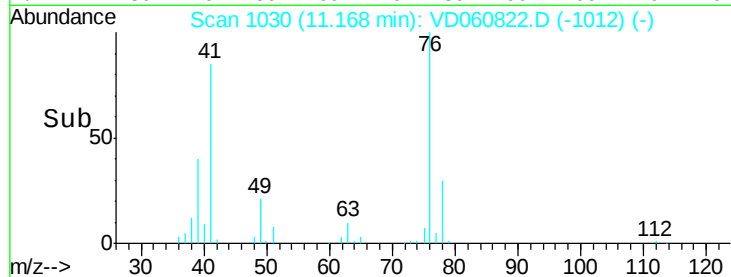
150000

100000

50000

0

Time--> 11.00 11.10 11.20 11.30



#58

2-Chloroethyl Vinyl ether

Concen: 321.354 ug/l

RT: 9.60 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD060822.D

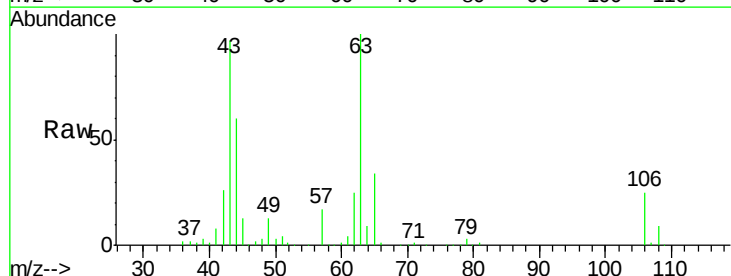
Acq: 1 Feb 2019 16:36

Tgt Ion: 63 Resp: 505859

Ion Ratio Lower Upper

63 100

106 24.6 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.60

250000

200000

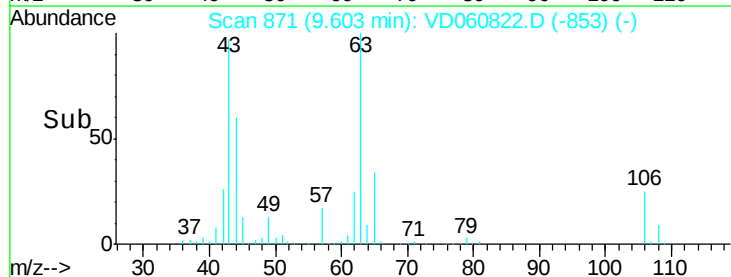
150000

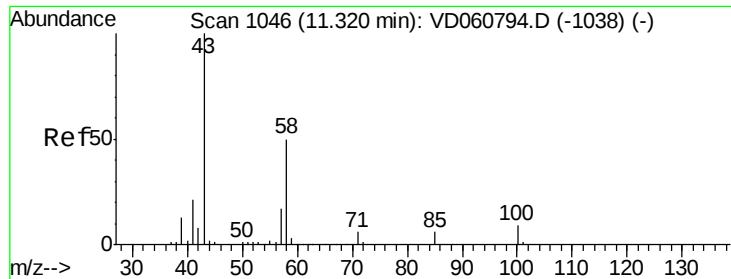
100000

50000

0

Time--> 9.50 9.60 9.70 9.80

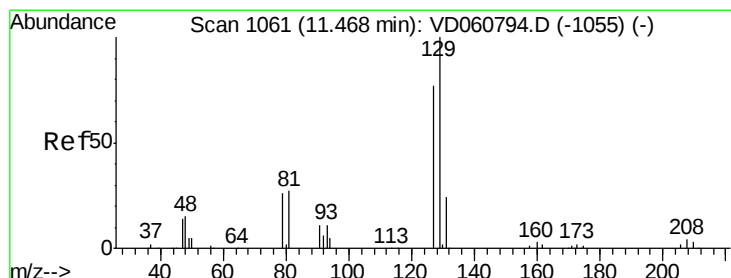
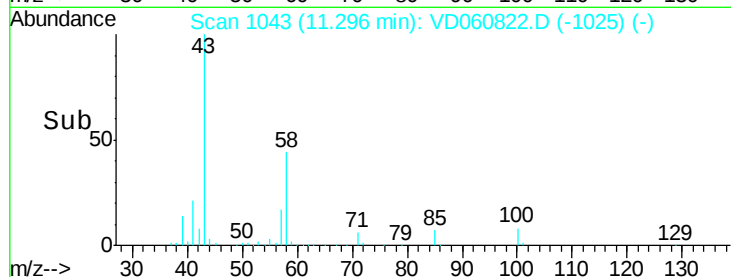
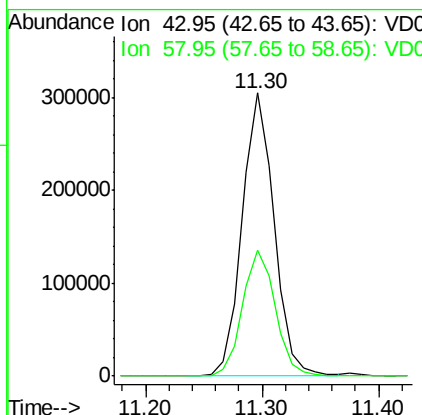
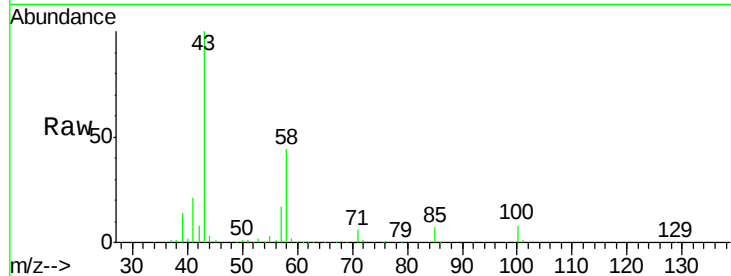




#59
2-Hexanone
Concen: 352.210 ug/l
RT: 11.30 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

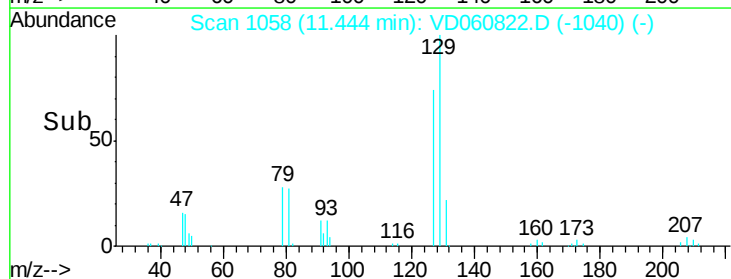
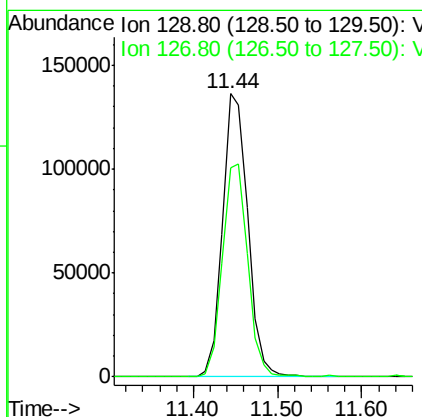
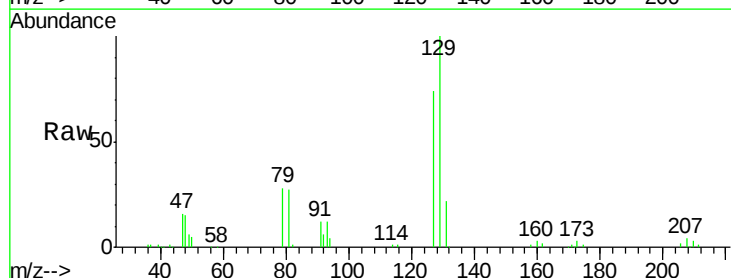
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

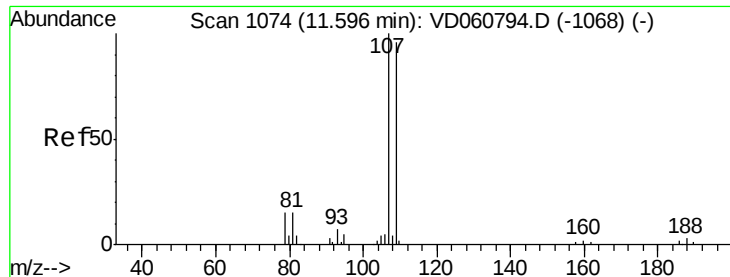
Tot Ion: 43 Resp: 579340
Ion Ratio Lower Upper
43 100
58 44.5 25.0 75.0



#60
Dibromochloromethane
Concen: 63.784 ug/l
RT: 11.44 min Scan# 1058
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion:129 Resp: 283989
Ion Ratio Lower Upper
129 100
127 73.8 38.6 115.7

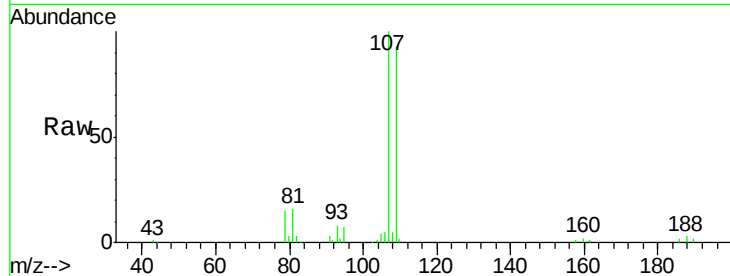




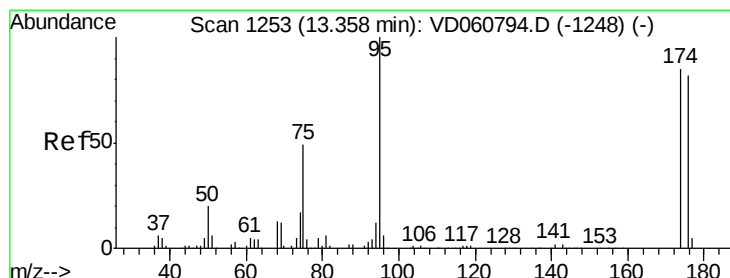
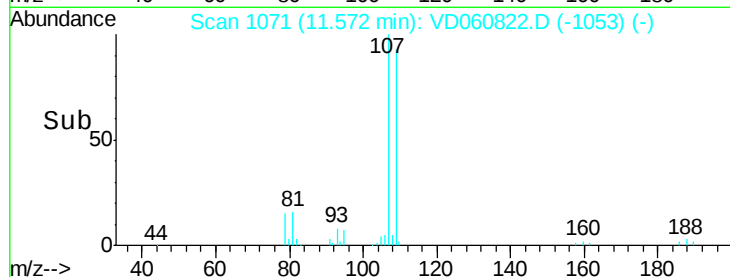
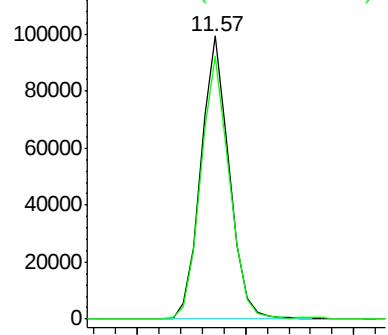
#61
 1,2-Dibromoethane
 Concen: 61.802 ug/l
 RT: 11.57 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

Tot Ion:107 Resp: 180256
 Ion Ratio Lower Upper
 107 100
 109 92.7 76.6 114.8

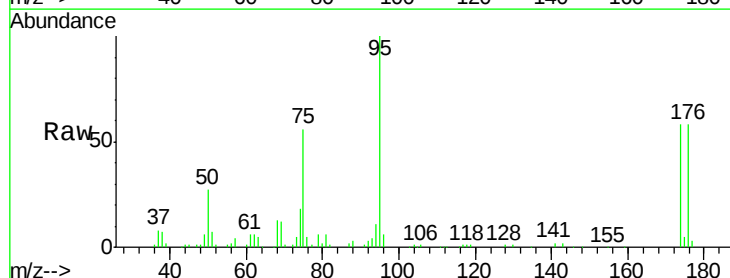


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

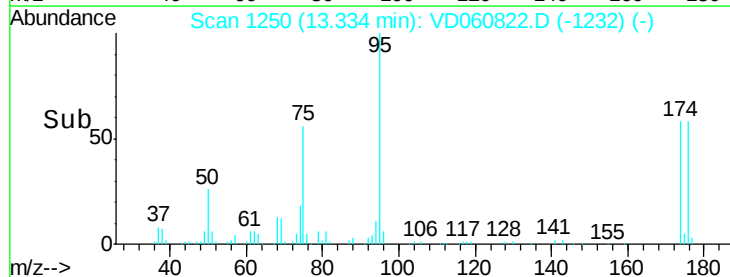
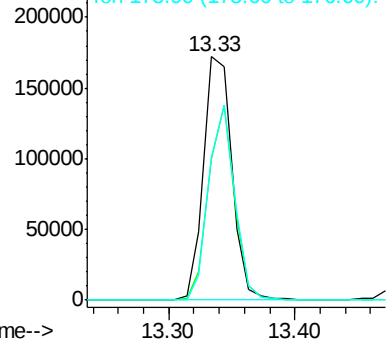


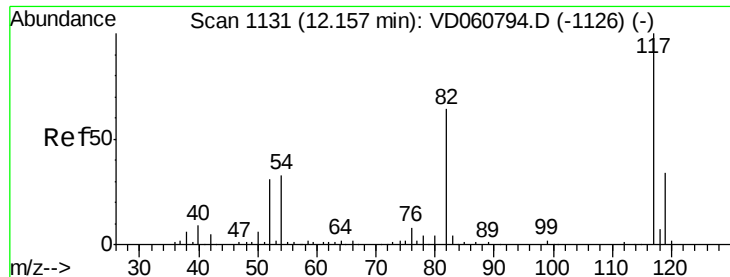
#62
 4-Bromofluorobenzene
 Concen: 61.802 ug/l
 RT: 13.33 min Scan# 1250
 Delta R.T. -0.02 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Tgt Ion: 95 Resp: 267230
 Ion Ratio Lower Upper
 95 100
 174 58.2 0.0 169.6
 176 58.4 0.0 163.8



Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

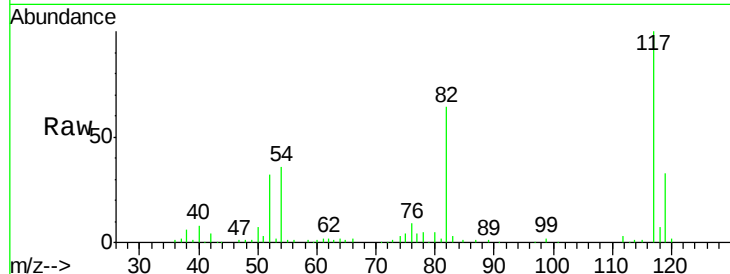




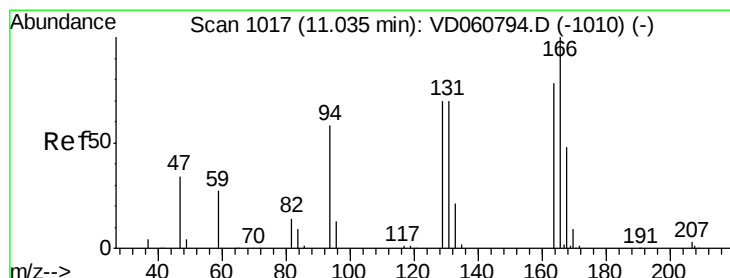
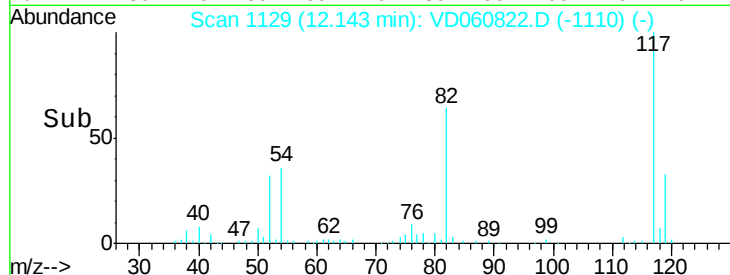
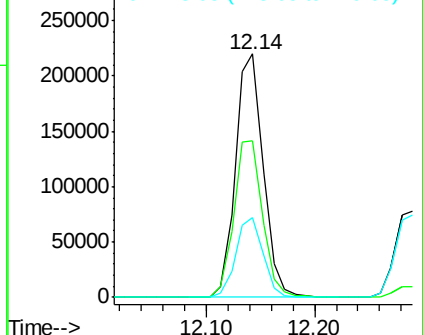
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

Tot Ion:117 Resp: 391787
Ion Ratio Lower Upper
117 100
82 64.3 51.5 77.3
119 32.9 27.1 40.7



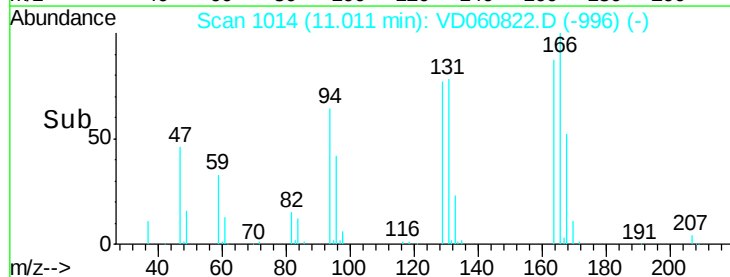
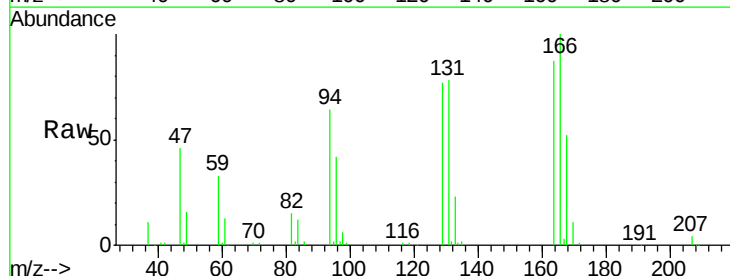
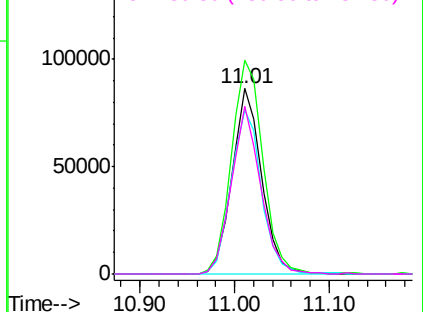
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

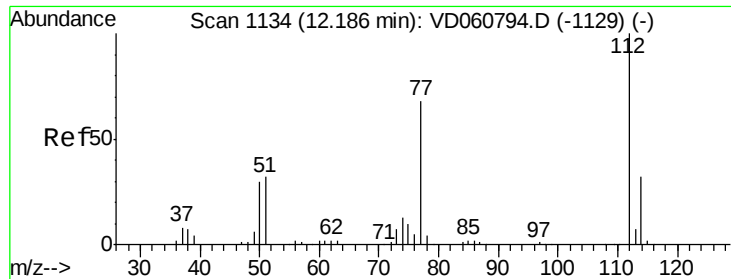


#64
Tetrachloroethene
Concen: 51.692 ug/l
RT: 11.01 min Scan# 1014
Delta R.T. -0.02 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion:164 Resp: 185869
Ion Ratio Lower Upper
164 100
166 115.3 102.6 154.0
129 88.6 72.3 108.5
131 90.4 72.1 108.1

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

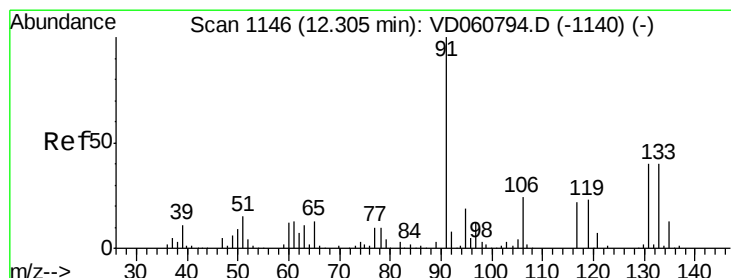
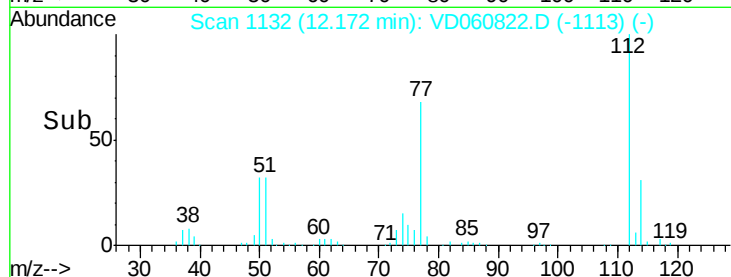
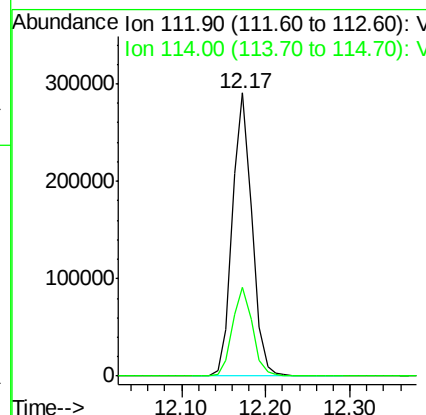
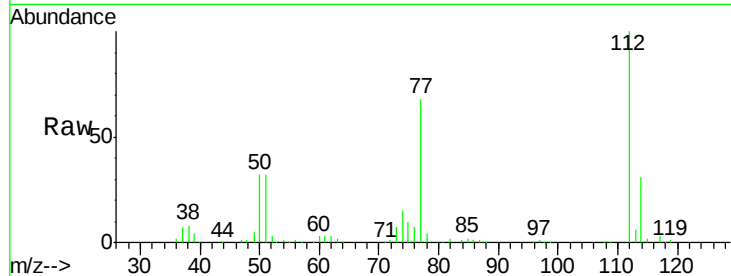




#65
Chlorobenzene
Concen: 52.397 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

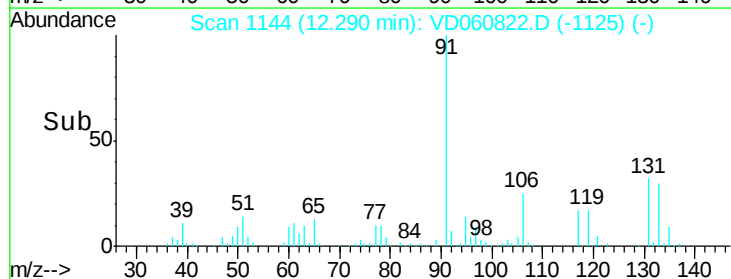
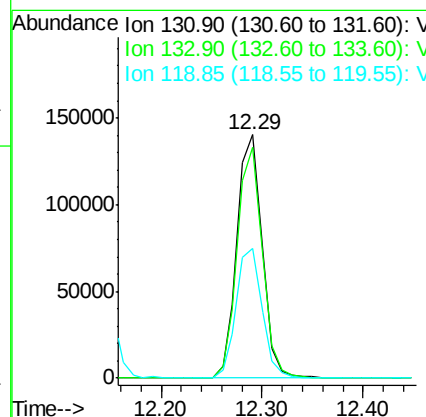
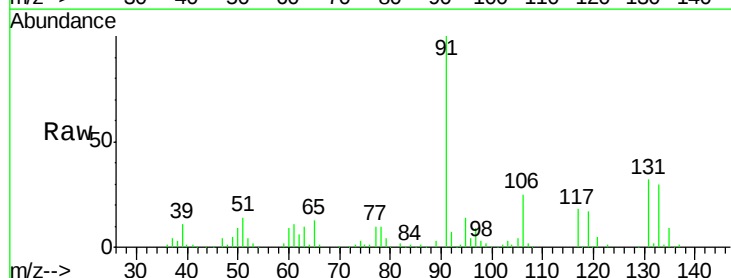
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

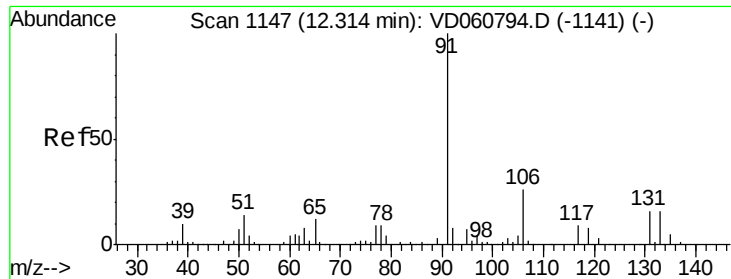
Tot Ion:112 Resp: 469121
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 63.325 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion:131 Resp: 243584
Ion Ratio Lower Upper
131 100
133 94.7 49.9 149.7
119 53.4 28.5 85.5

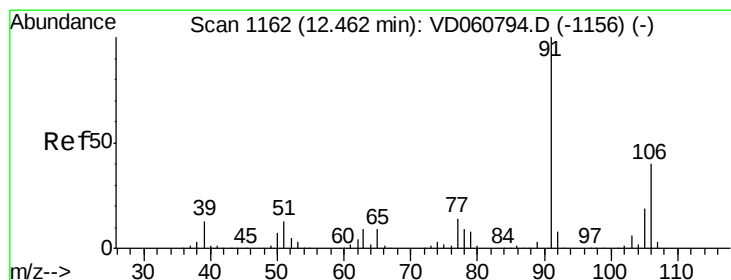
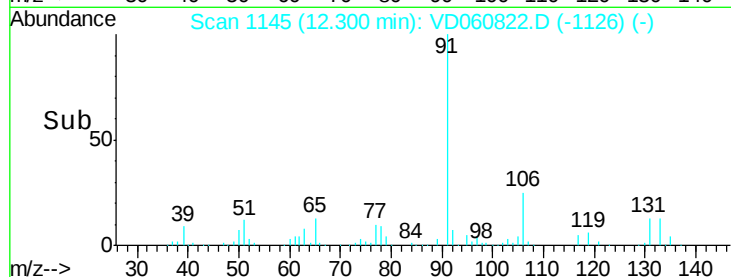
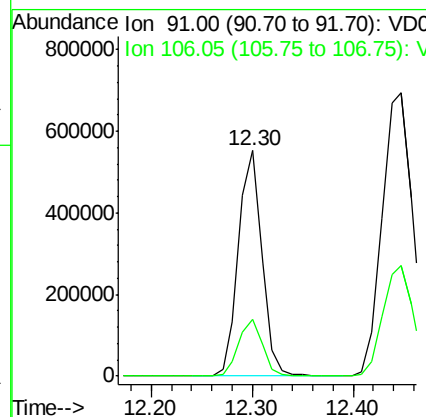
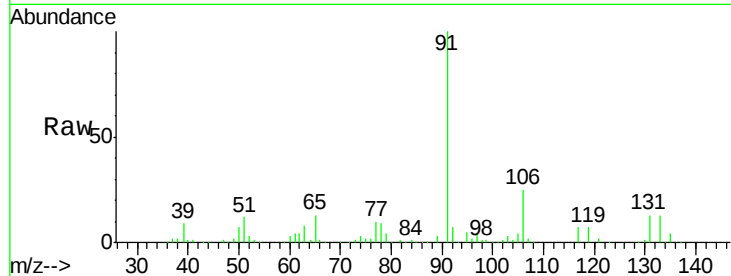




#67
Ethyl Benzene
Concen: 55.560 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

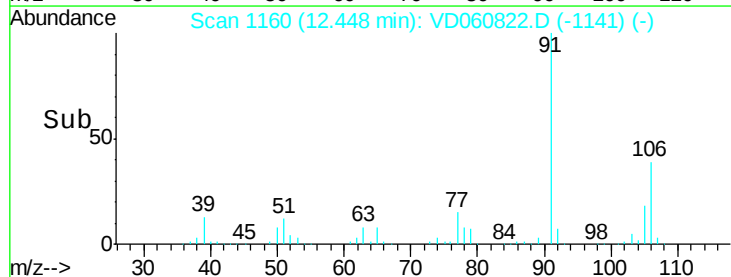
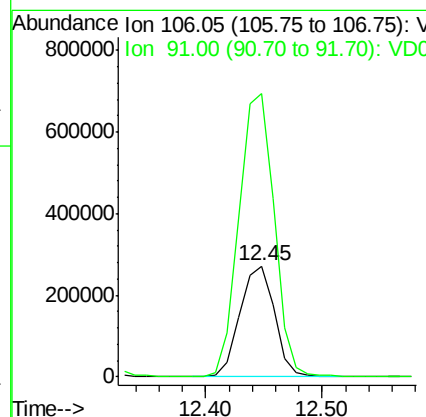
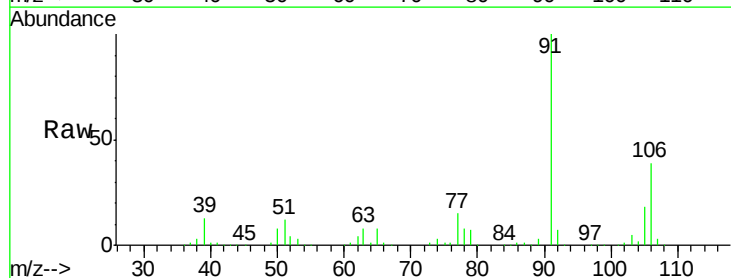
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

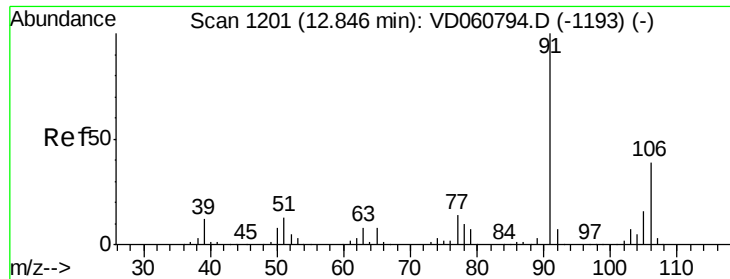
Tot Ion: 91 Resp: 894494
Ion Ratio Lower Upper
91 100
106 25.2 21.0 31.6



#68
m/p-Xylenes
Concen: 107.092 ug/l
RT: 12.45 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 106 Resp: 560937
Ion Ratio Lower Upper
106 100
91 254.5 200.5 300.7

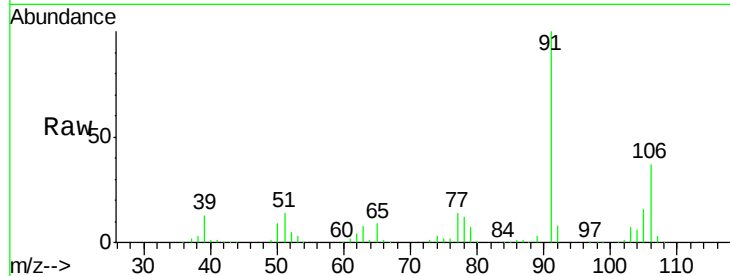




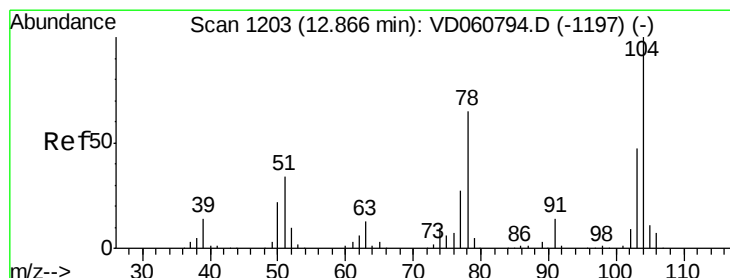
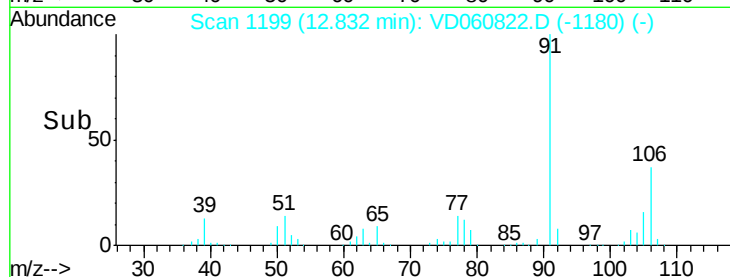
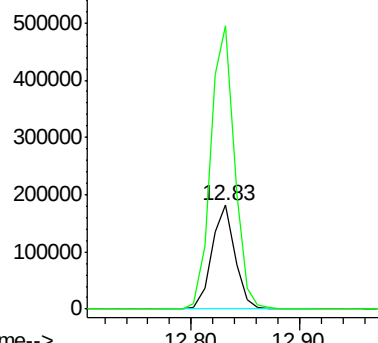
#69
o-Xylene
Concen: 52.052 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

Tot Ion:106 Resp: 269848
Ion Ratio Lower Upper
106 100
91 272.4 127.6 382.7

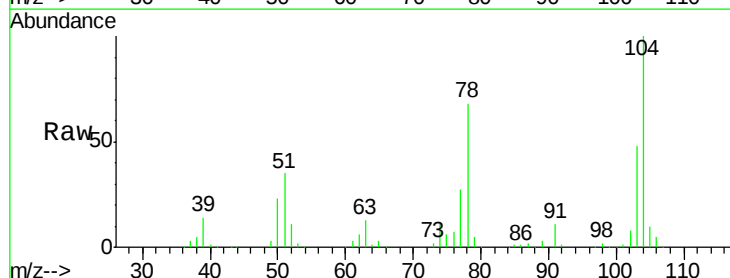


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

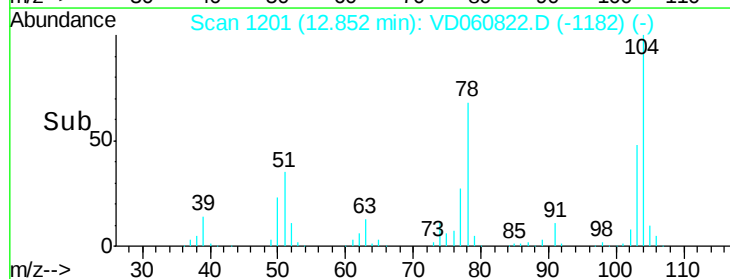
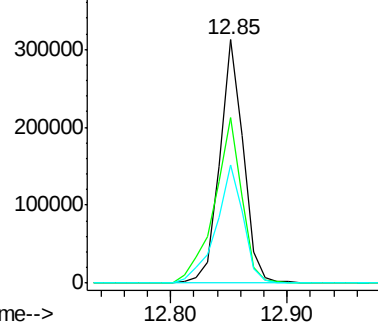


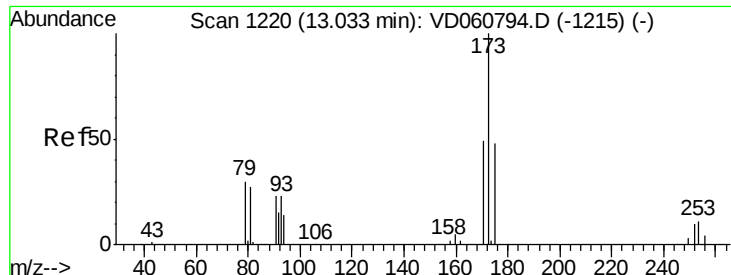
#70
Styrene
Concen: 50.241 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion:104 Resp: 436763
Ion Ratio Lower Upper
104 100
78 67.9 52.0 78.0
103 48.3 37.7 56.5



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: 66.205 ug/l

RT: 13.02 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

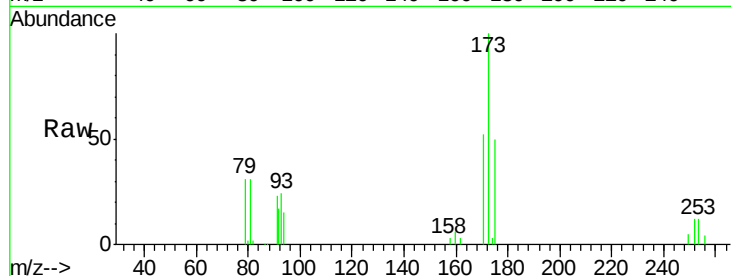
Tot Ion:173 Resp: 191873

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.4

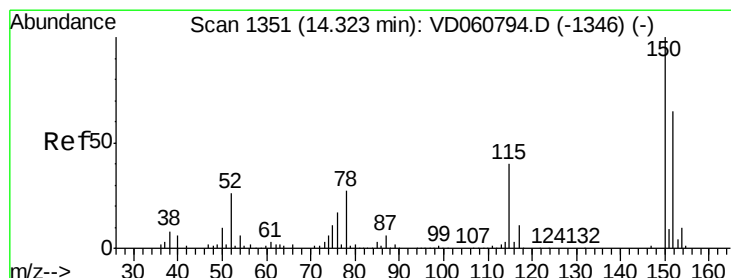
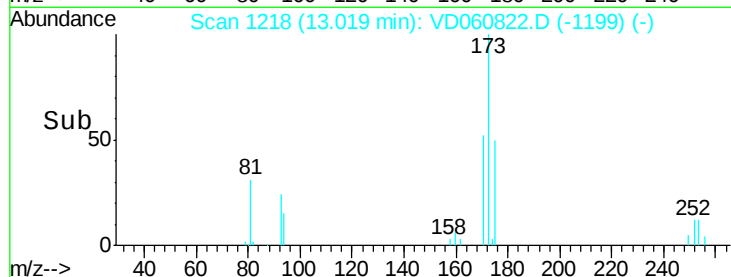
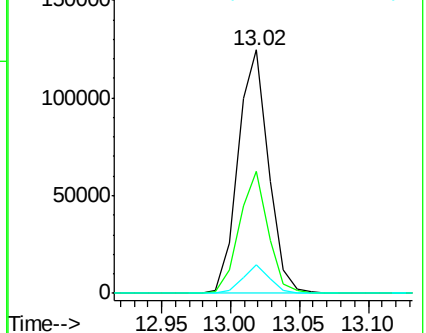
254 11.5 9.1 13.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

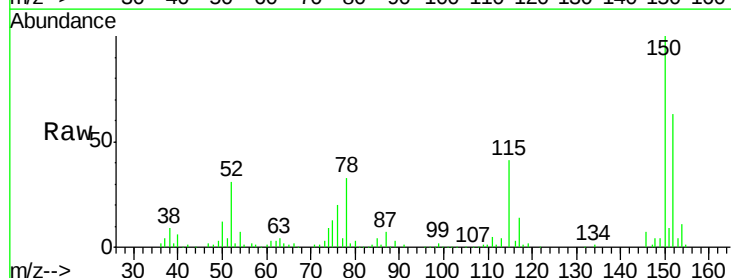
Tgt Ion:152 Resp: 175954

Ion Ratio Lower Upper

152 100

115 65.1 31.6 95.0

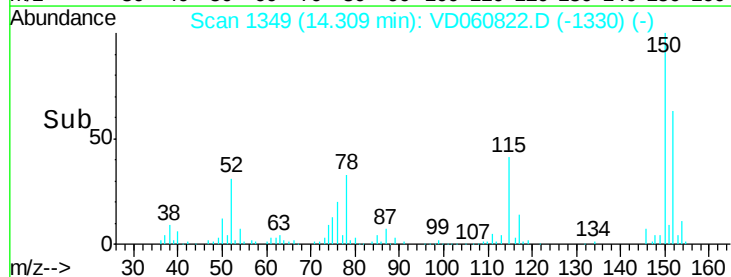
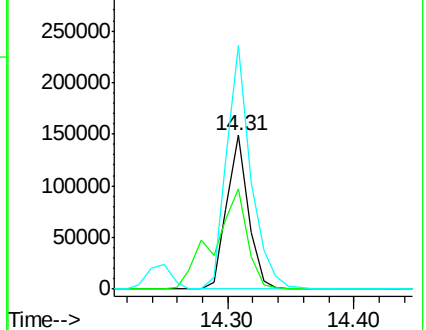
150 158.2 0.0 317.6

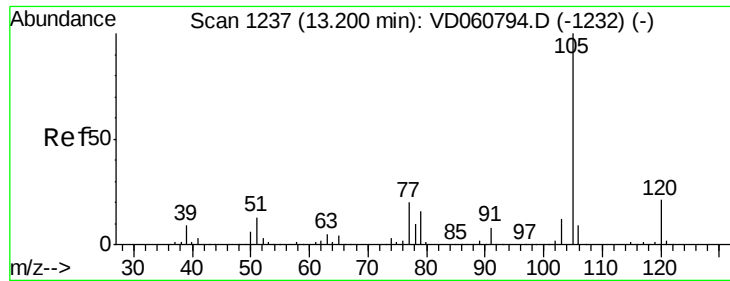


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.230 ug/l

RT: 13.19 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

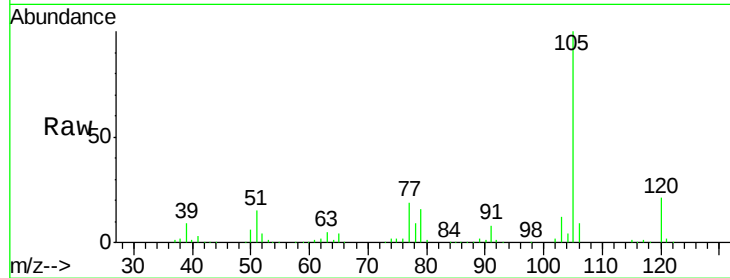
A0C17-SSIMSD

Tot Ion:105 Resp: 788839

Ion Ratio Lower Upper

105 100

120 21.2 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.19

600000

500000

400000

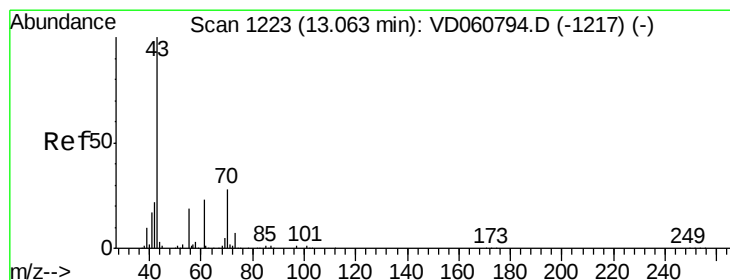
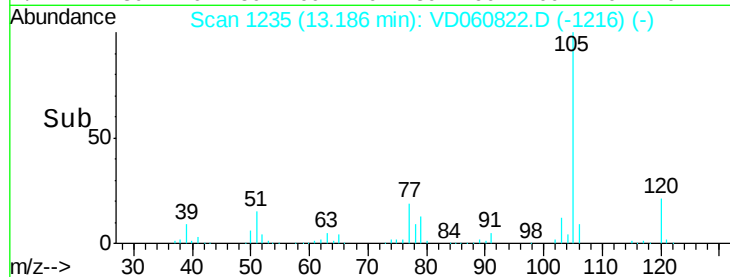
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 36.881 ug/l

RT: 13.05 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Tgt Ion: 43 Resp: 159061

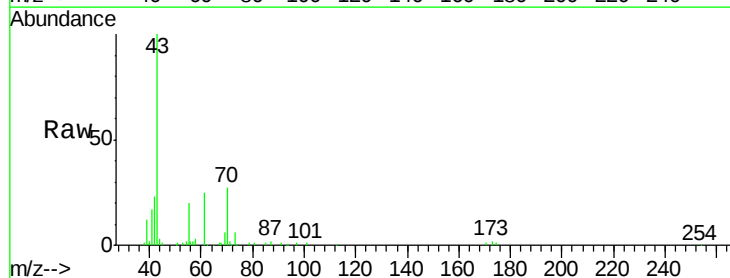
Ion Ratio Lower Upper

43 100

70 27.0 22.2 33.4

55 20.2 15.5 23.3

61 24.7 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

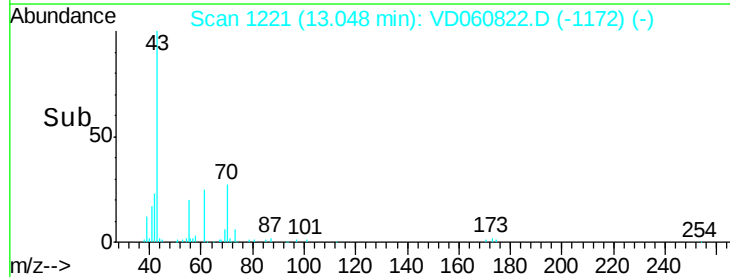
150000

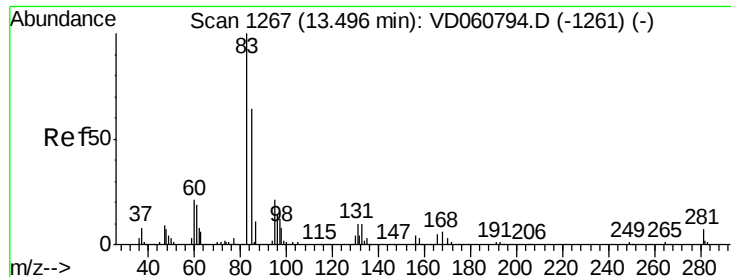
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 71.234 ug/l

RT: 13.48 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

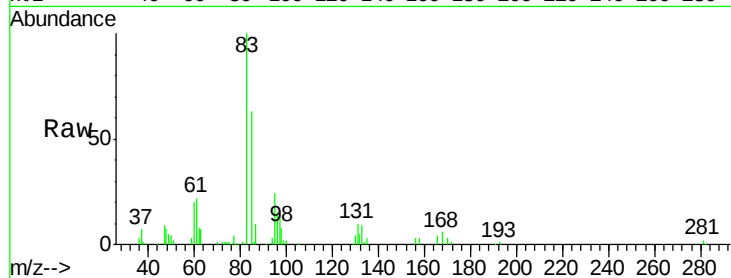
Tot Ion: 83 Resp: 181961

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

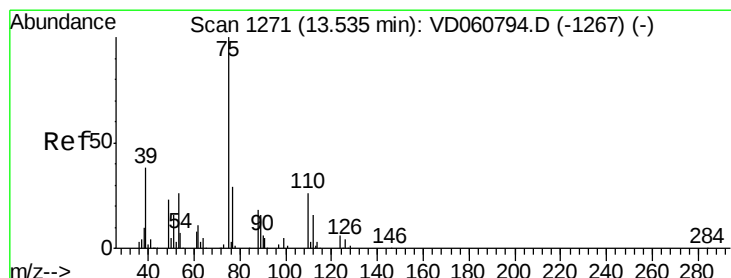
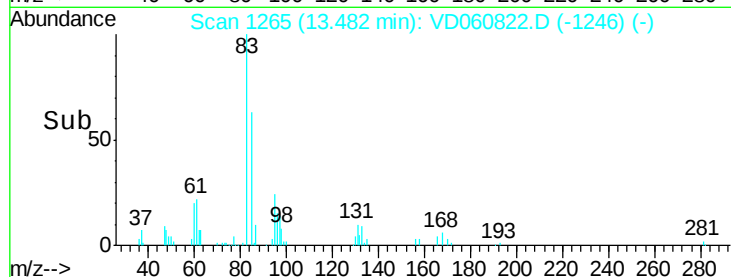
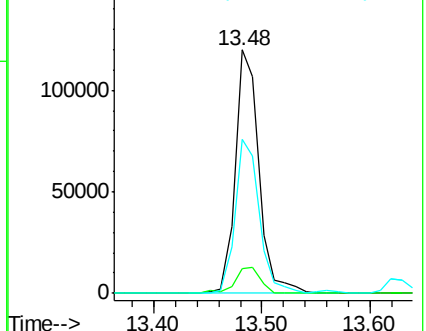
85 63.2 31.8 95.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 72.293 ug/l

RT: 13.52 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD060822.D

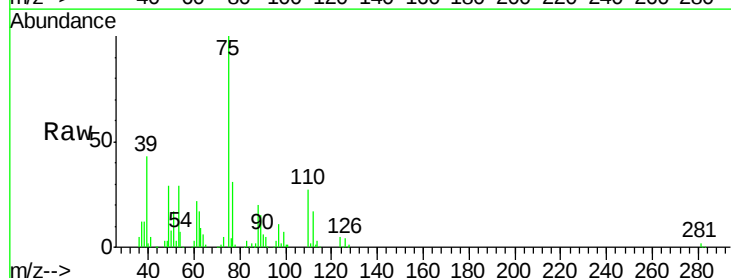
Acq: 1 Feb 2019 16:36

Tgt Ion: 75 Resp: 233258

Ion Ratio Lower Upper

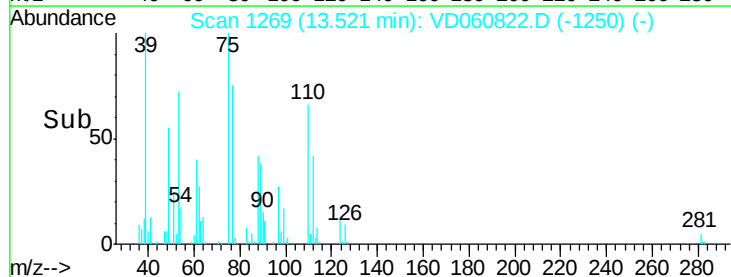
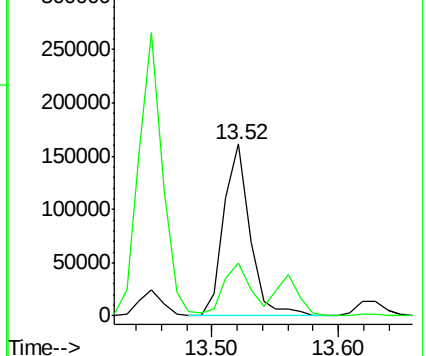
75 100

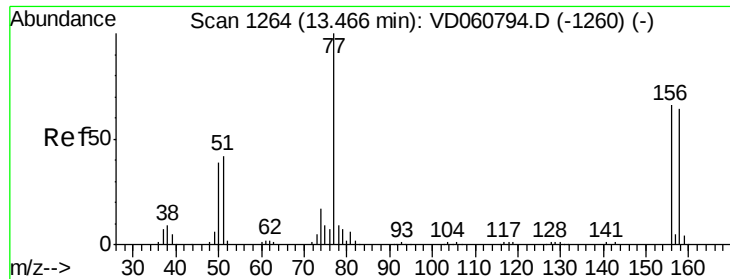
77 30.9 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 60.025 ug/l

RT: 13.45 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

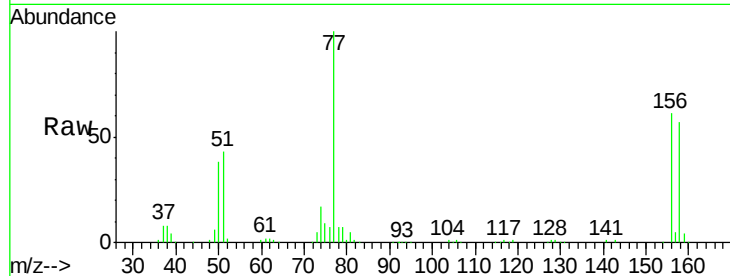
Tot Ion:156 Resp: 216466

Ion Ratio Lower Upper

156 100

77 164.6 76.0 228.0

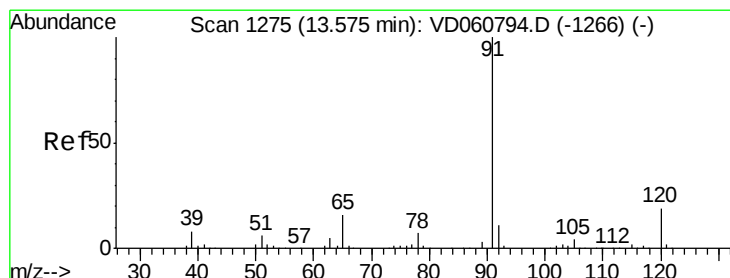
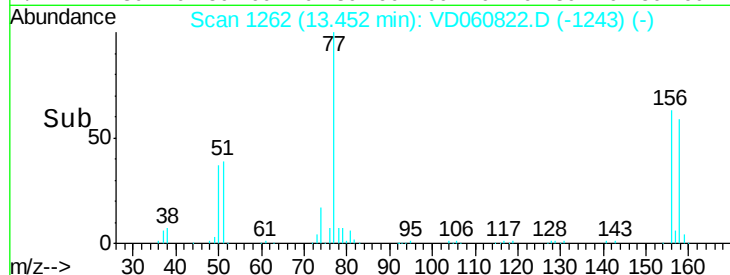
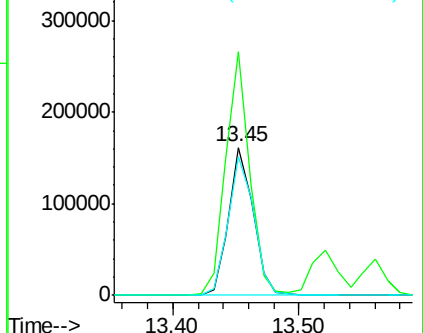
158 93.9 48.4 145.0



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: 56.761 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD060822.D

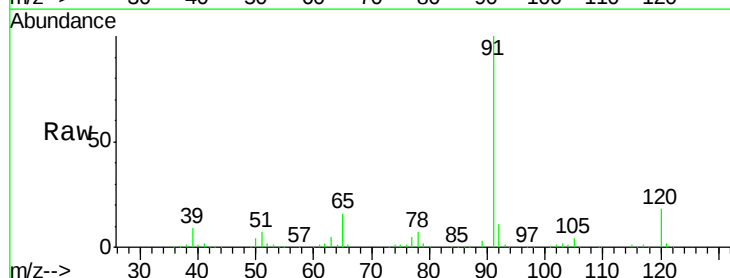
Acq: 1 Feb 2019 16:36

Tgt Ion: 91 Resp: 999626

Ion Ratio Lower Upper

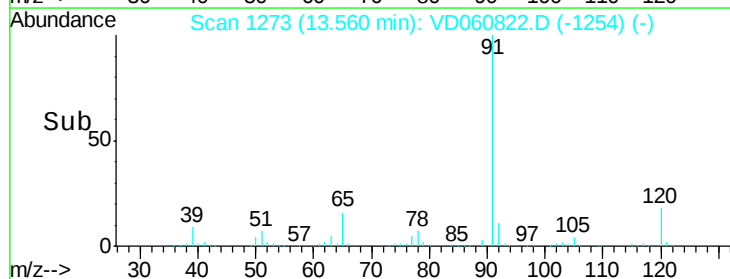
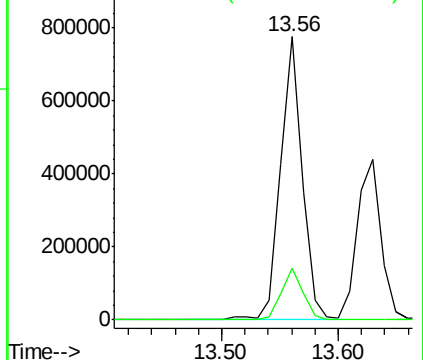
91 100

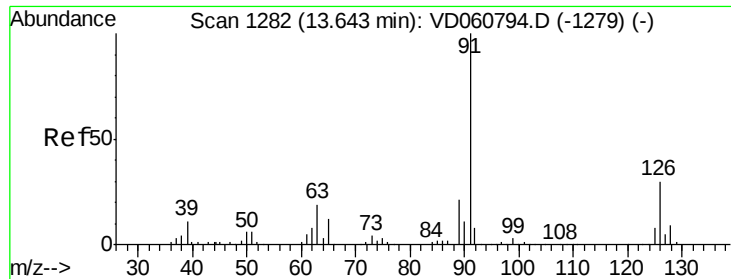
120 18.3 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

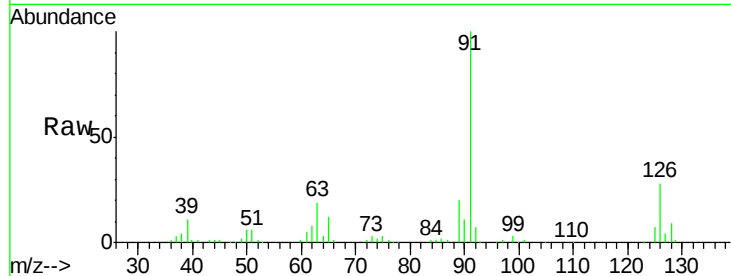




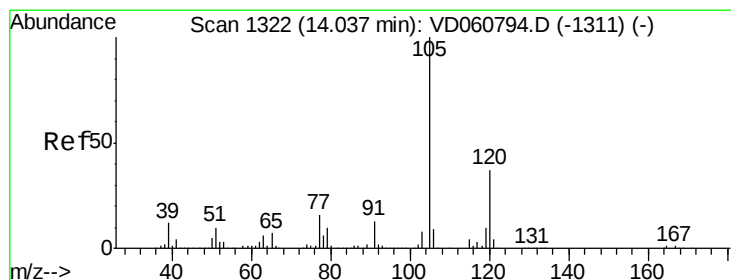
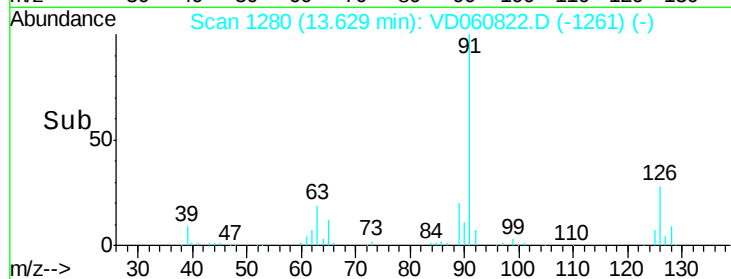
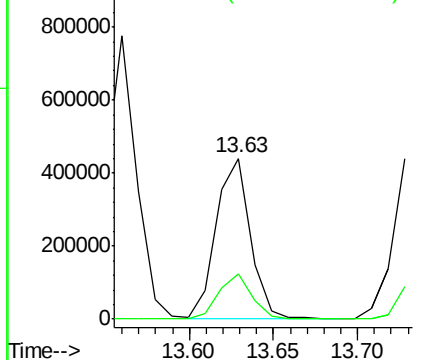
#79
 2-Chlorotoluene
 Concen: 57.992 ug/l
 RT: 13.63 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

Tot Ion: 91 Resp: 622934
 Ion Ratio Lower Upper
 91 100
 126 28.1 14.7 44.1

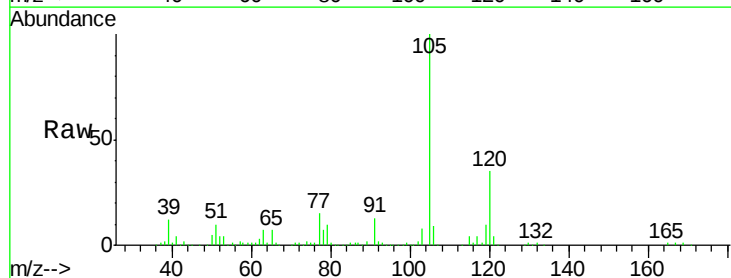


Abundance Ion 91.00 (90.70 to 91.70): VD060794.D (-1279) (-)
 Ion 125.95 (125.65 to 126.65): VD060794.D (-1279) (-)

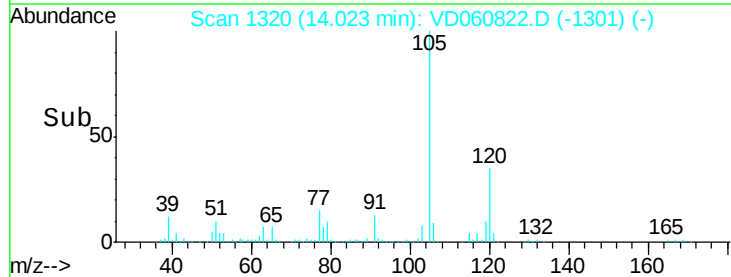
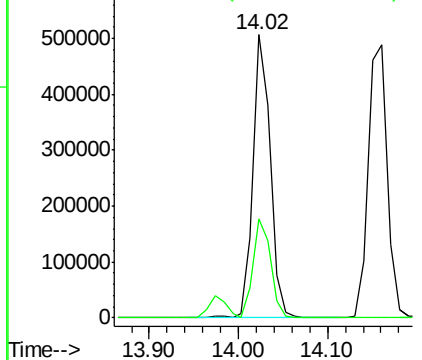


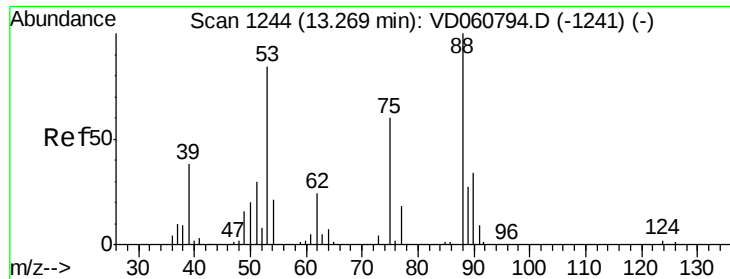
#80
 1,3,5-Trimethylbenzene
 Concen: 55.938 ug/l
 RT: 14.02 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Tgt Ion: 105 Resp: 675583
 Ion Ratio Lower Upper
 105 100
 120 35.0 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060794.D (-1311) (-)
 Ion 120.05 (119.75 to 120.75): VD060794.D (-1311) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 61.736 ug/l

RT: 13.26 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

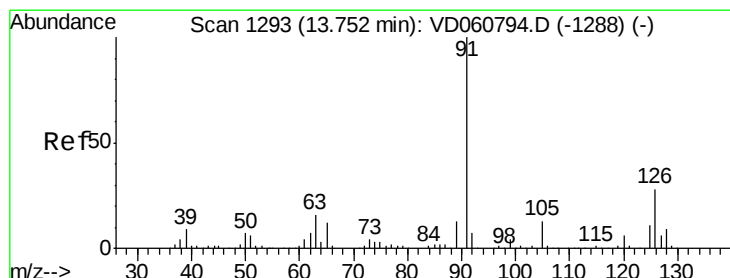
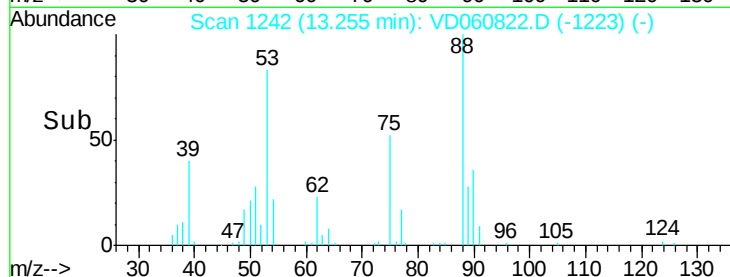
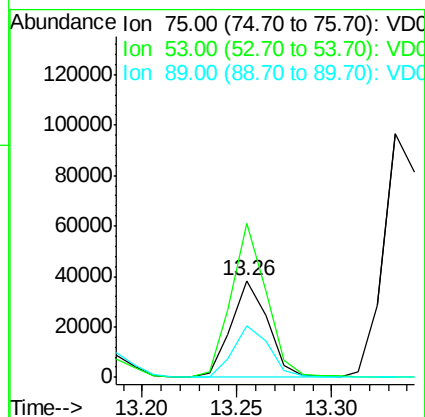
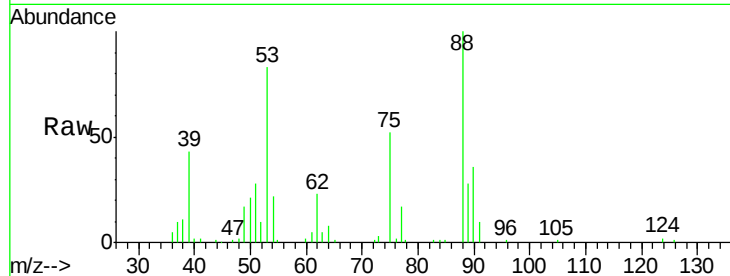
Tot Ion: 75 Resp: 51932

Ion Ratio Lower Upper

75 100

53 159.5 111.6 167.4

89 52.9 35.9 53.9



#82

4-Chlorotoluene

Concen: 60.413 ug/l

RT: 13.74 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VD060822.D

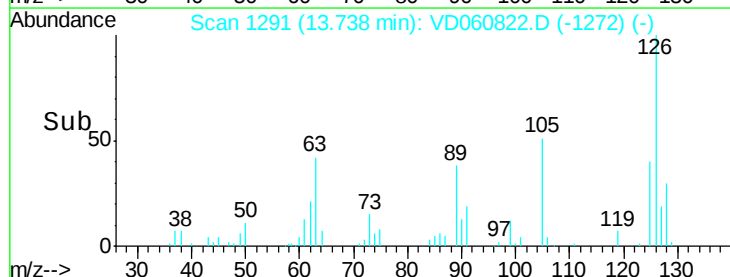
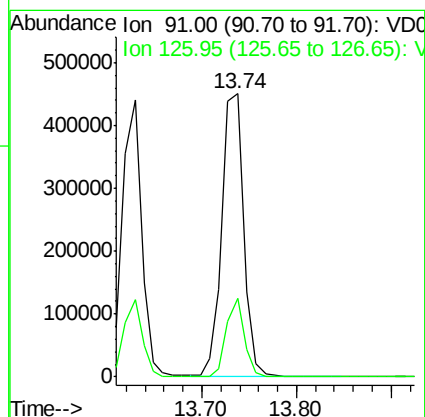
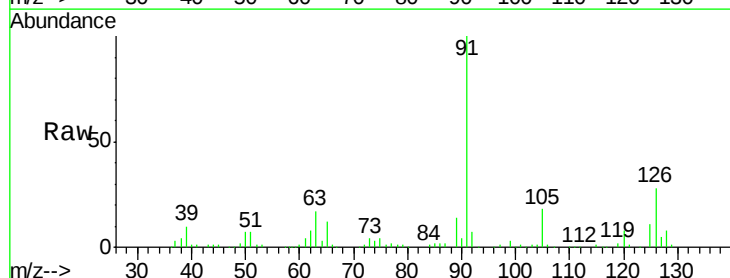
Acq: 1 Feb 2019 16:36

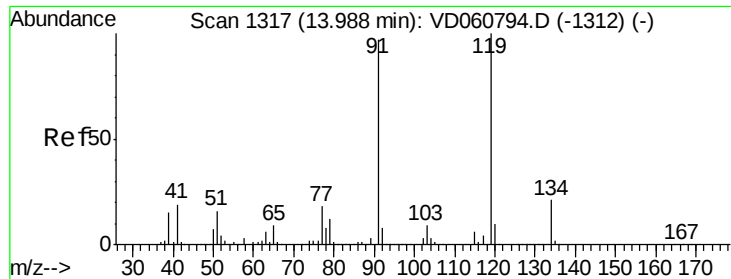
Tgt Ion: 91 Resp: 721236

Ion Ratio Lower Upper

91 100

126 27.9 13.9 41.7

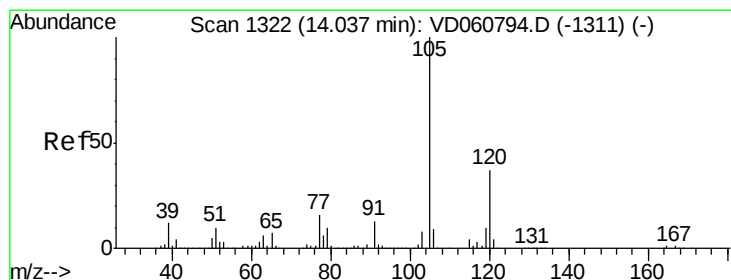
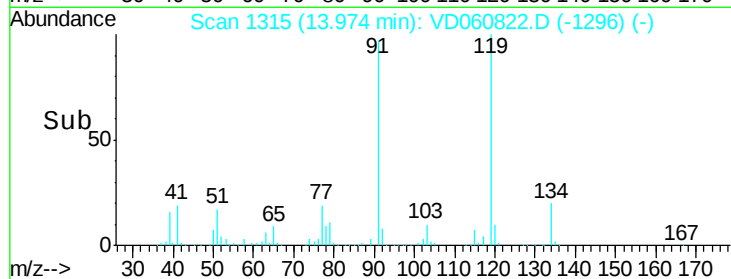
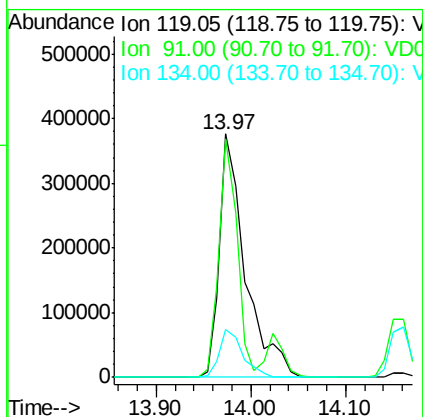
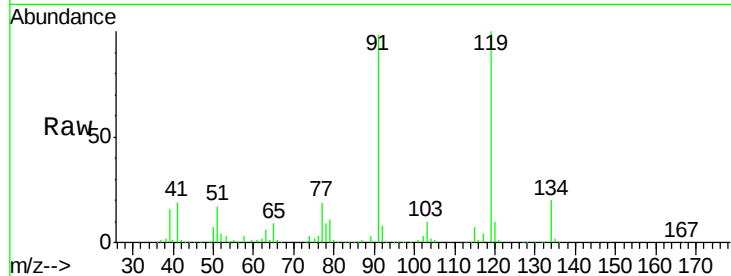




#83
tert-Butylbenzene
Concen: 56.439 ug/l
RT: 13.97 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

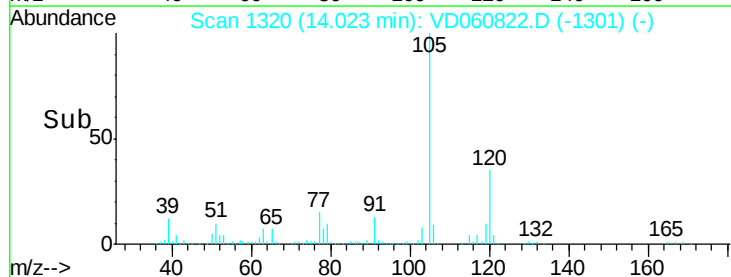
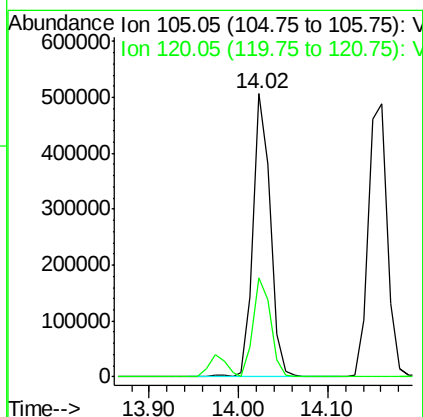
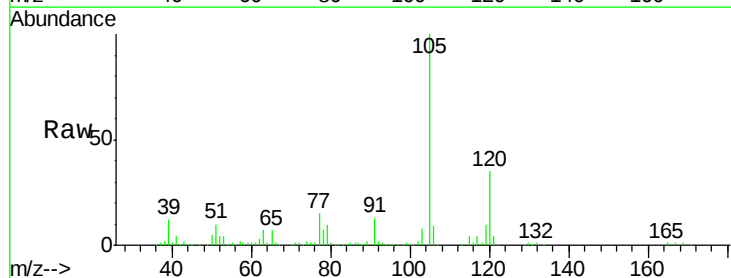
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

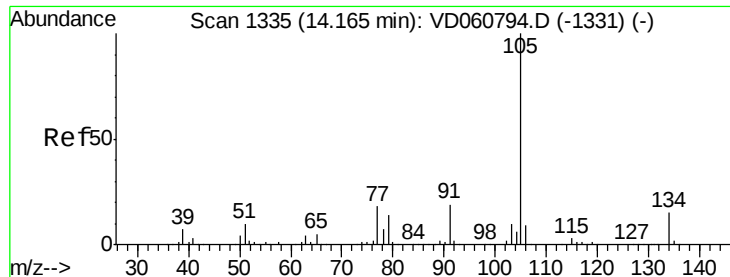
Tot Ion:119 Resp: 713142
Ion Ratio Lower Upper
119 100
91 97.7 48.5 145.5
134 19.6 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 55.938 ug/l
RT: 14.02 min Scan# 1320
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion:105 Resp: 675583
Ion Ratio Lower Upper
105 100
120 35.0 18.4 55.2





#85

sec-Butylbenzene

Concen: 49.602 ug/l

RT: 14.16 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

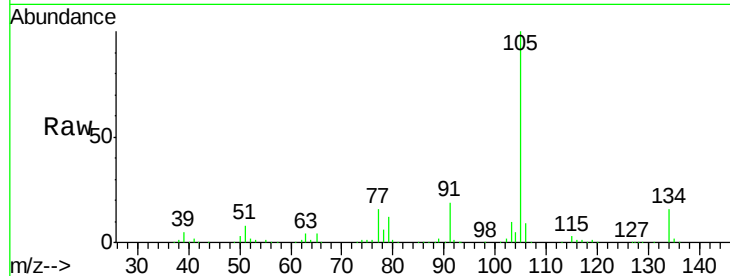
A0C17-SSIMSD

Tot Ion:105 Resp: 713444

Ion Ratio Lower Upper

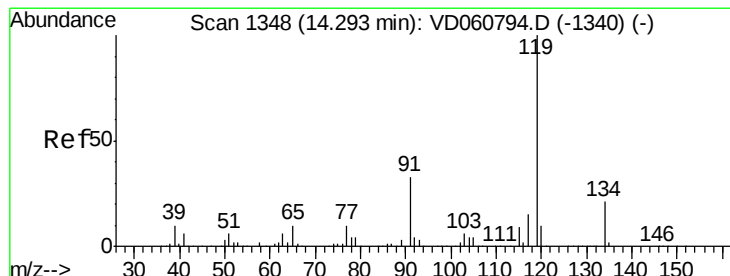
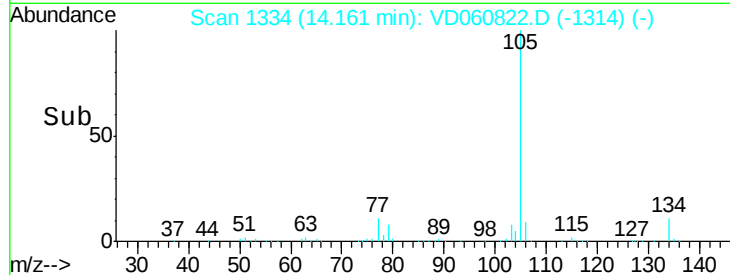
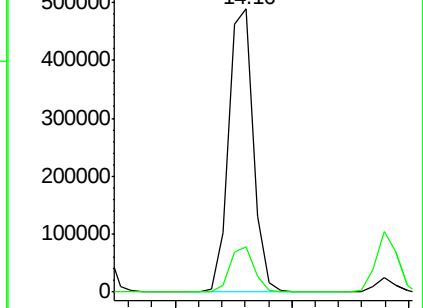
105 100

134 16.0 7.4 22.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.570 ug/l

RT: 14.28 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

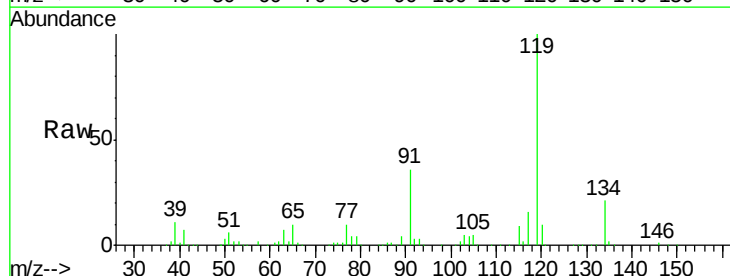
Tgt Ion:119 Resp: 625572

Ion Ratio Lower Upper

119 100

134 21.1 10.8 32.3

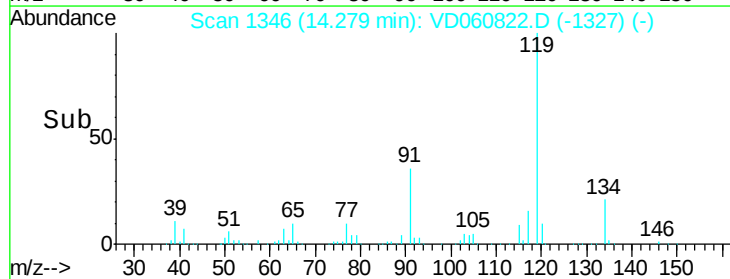
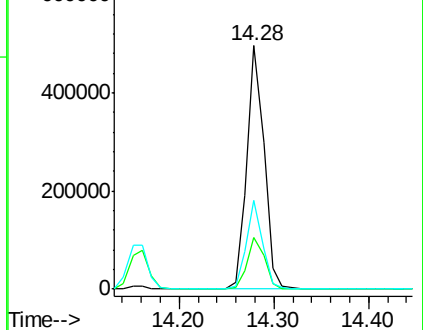
91 36.5 16.7 50.0

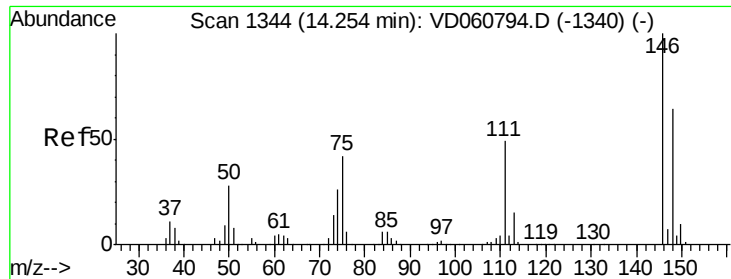


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

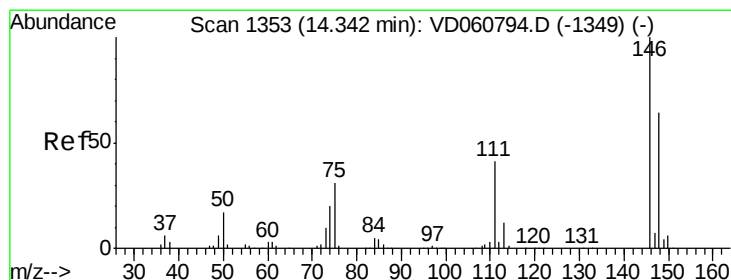
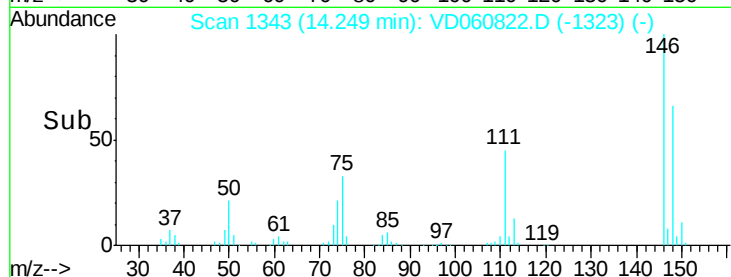
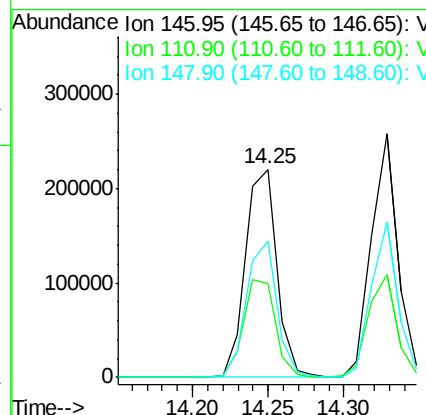
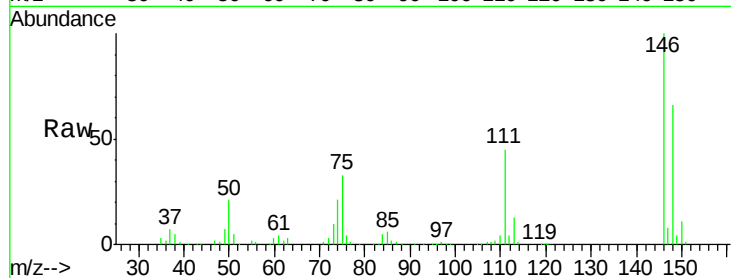




#87
 1,3-Dichlorobenzene
 Concen: 49.543 ug/l
 RT: 14.25 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

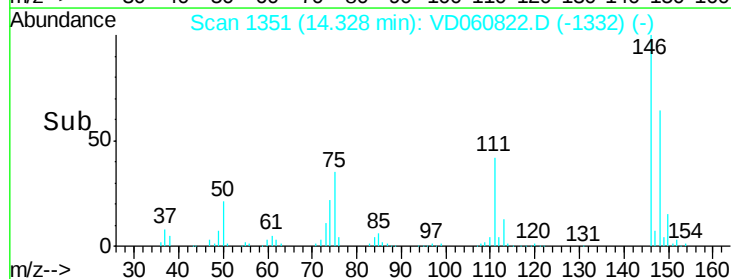
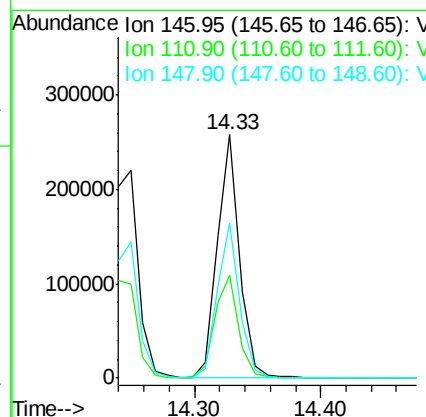
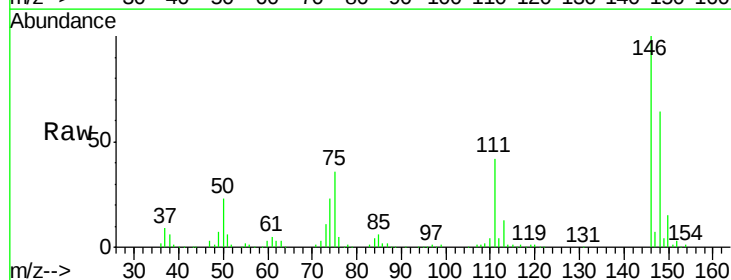
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

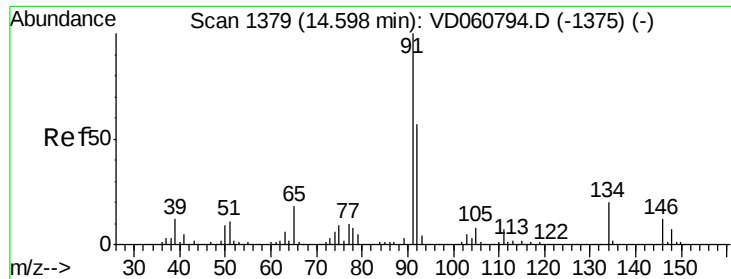
Tot Ion:146 Resp: 319565
 Ion Ratio Lower Upper
 146 100
 111 45.0 24.3 73.0
 148 65.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.575 ug/l
 RT: 14.33 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:146 Resp: 316962
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.6 61.8
 148 63.9 31.9 95.7

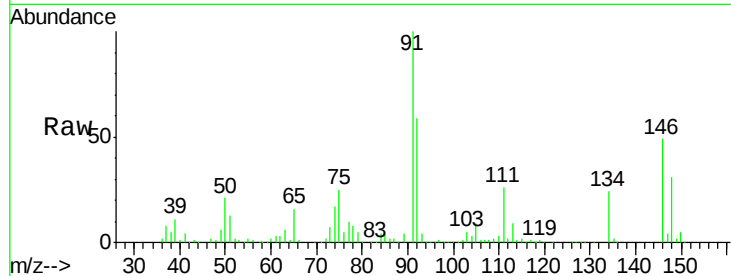




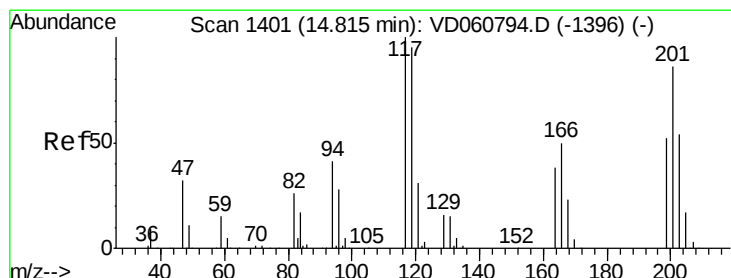
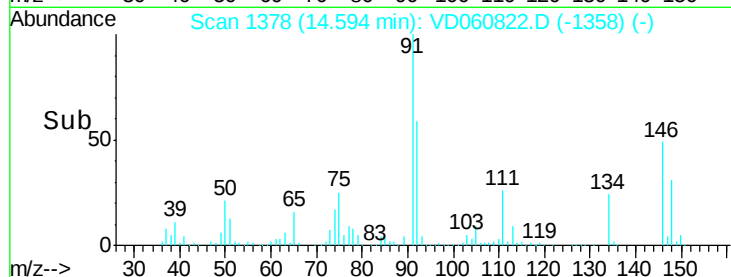
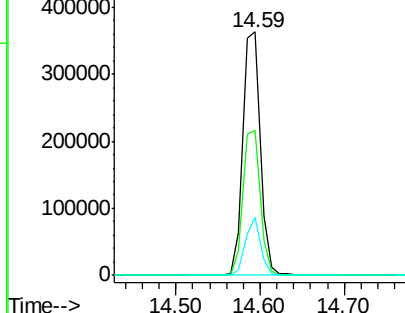
#89
n-Butylbenzene
Concen: 43.309 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.00 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

Tot Ion: 91 Resp: 527671
Ion Ratio Lower Upper
91 100
92 59.4 28.5 85.5
134 23.8 10.0 29.8

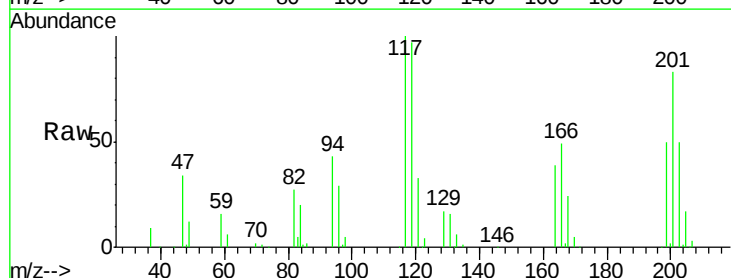


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

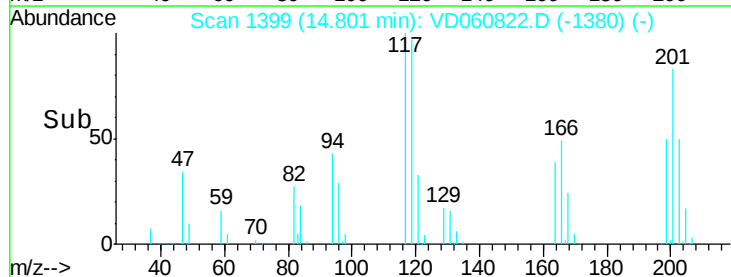
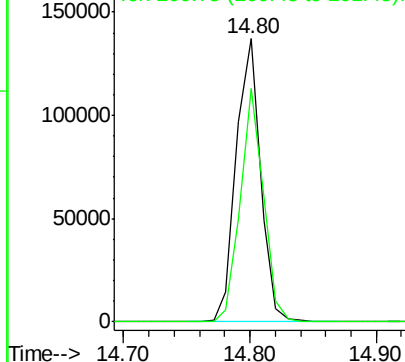


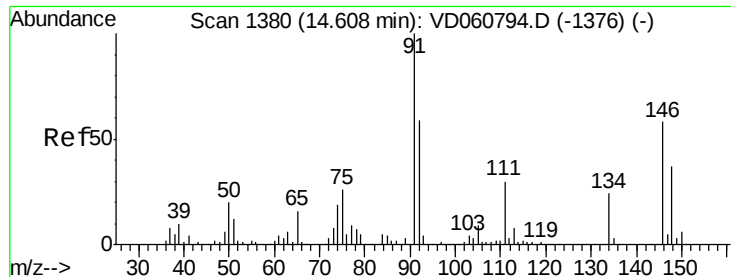
#90
Hexachloroethane
Concen: 52.279 ug/l
RT: 14.80 min Scan# 1399
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion: 117 Resp: 181673
Ion Ratio Lower Upper
117 100
201 82.7 43.0 128.8



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





#91

1,2-Dichlorobenzene

Concen: 53.660 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMSD

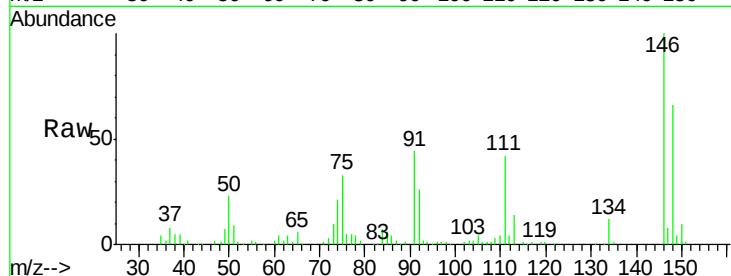
Tot Ion:146 Resp: 287294

Ion Ratio Lower Upper

146 100

111 42.2 25.6 76.8

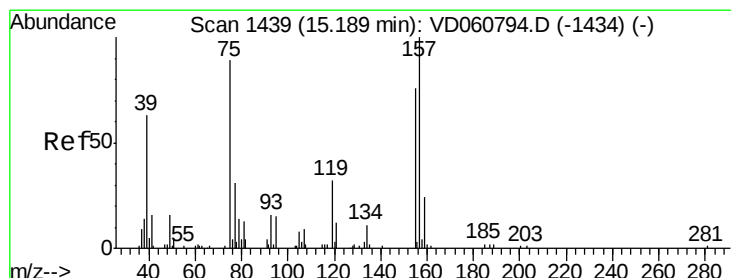
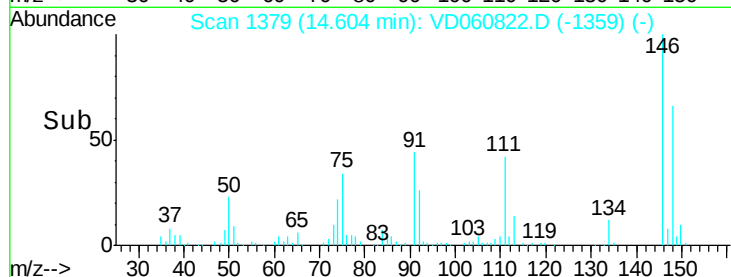
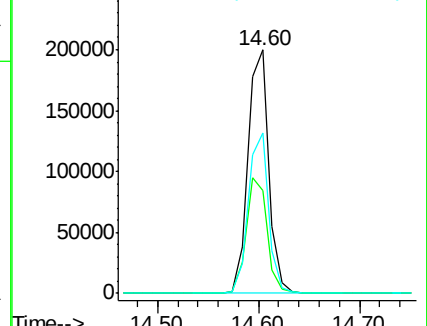
148 65.7 31.4 94.3



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: 72.967 ug/l

RT: 15.17 min Scan# 1437

Delta R.T. -0.01 min

Lab File: VD060822.D

Acq: 1 Feb 2019 16:36

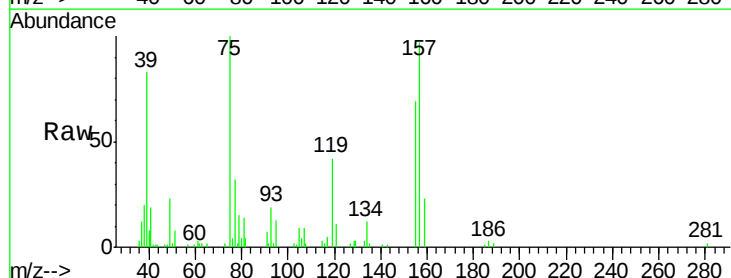
Tgt Ion: 75 Resp: 44281

Ion Ratio Lower Upper

75 100

155 69.1 43.0 129.0

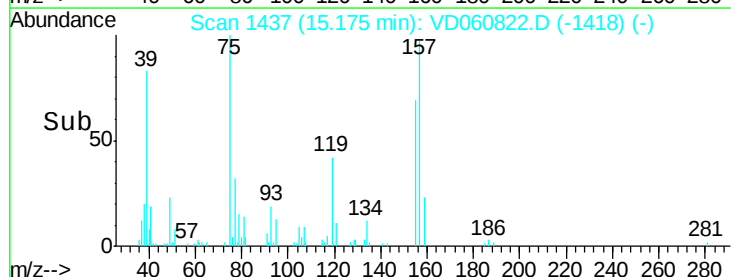
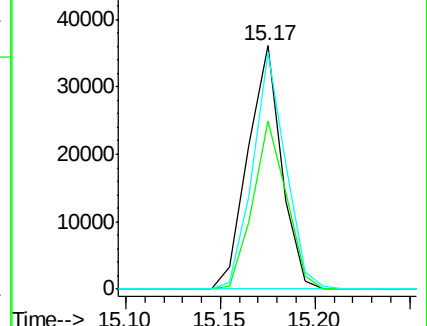
157 97.3 56.3 168.9

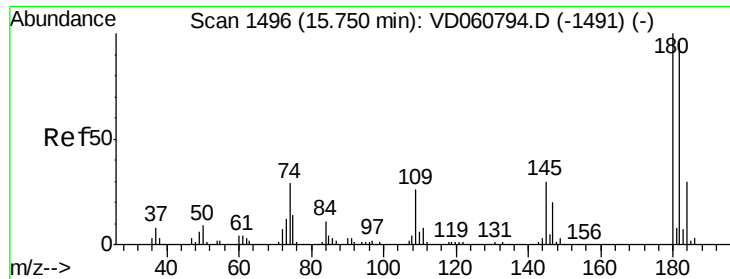


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

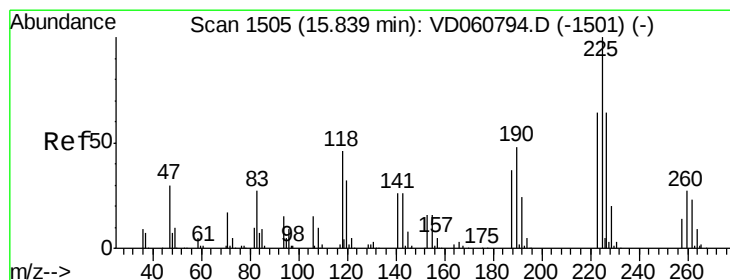
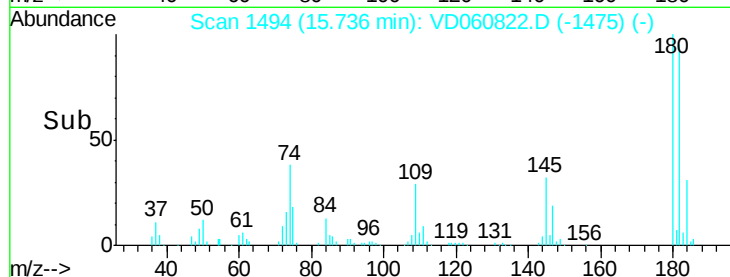
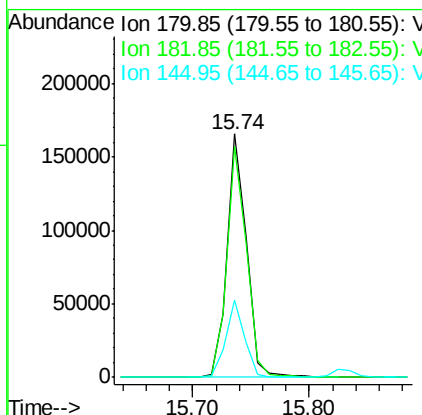
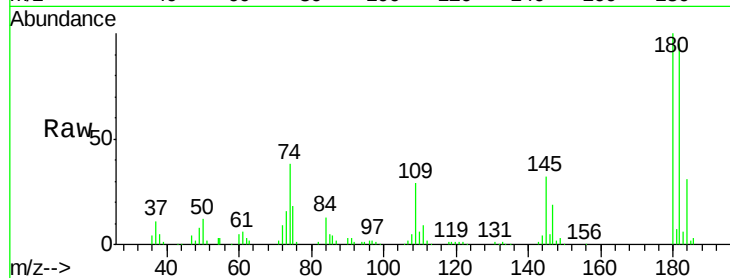




#93
 1,2,4-Trichlorobenzene
 Concen: 41.286 ug/l
 RT: 15.74 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

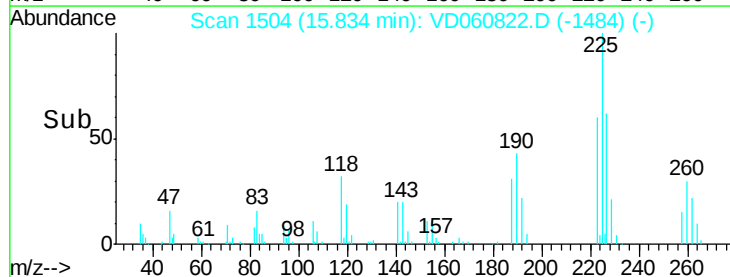
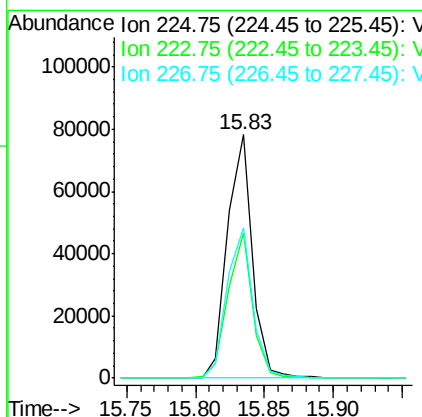
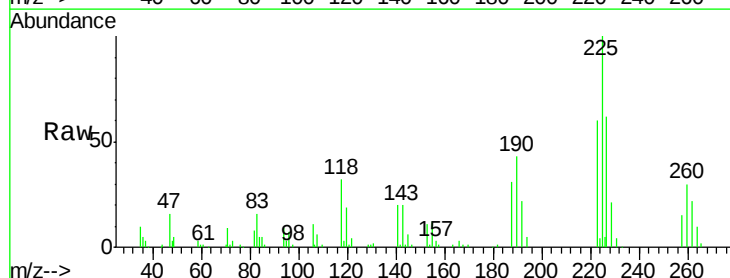
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMSD

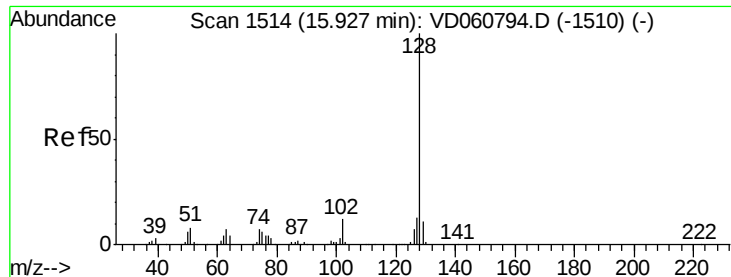
Tot Ion:180 Resp: 191398
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.7
 145 31.8 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 28.234 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VD060822.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:225 Resp: 98207
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.8 95.4
 227 61.7 31.9 95.5

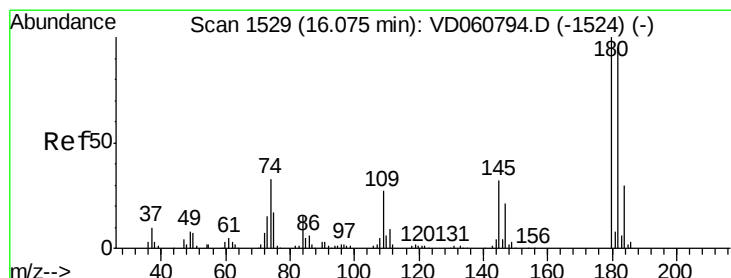
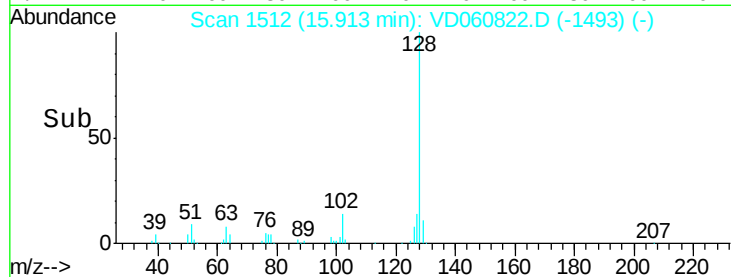
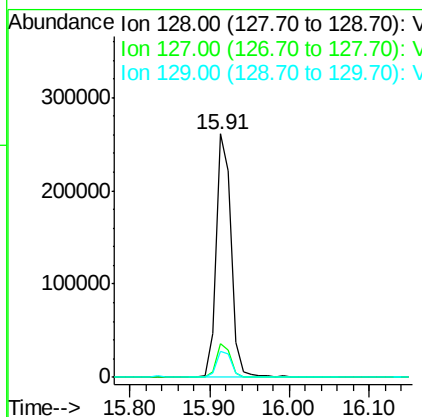
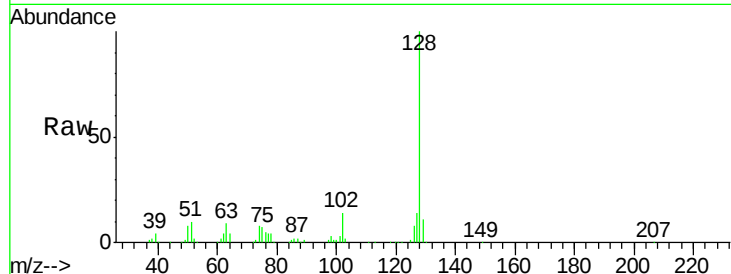




#95
Naphthalene
Concen: 48.735 ug/l
RT: 15.91 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMSD

Tot Ion:128 Resp: 347129
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 39.655 ug/l
RT: 16.06 min Scan# 1527
Delta R.T. -0.01 min
Lab File: VD060822.D
Acq: 1 Feb 2019 16:36

Tgt Ion:180 Resp: 159853
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.3
145 33.7 15.8 47.4

