

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060092.D
 Acq On : 28 Sep 2018 12:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 28 23:14:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1725606	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2394237	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1915159	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	982915	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	664537	49.38	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	6.33	113	949730	50.77	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	9.47	98	2622780	50.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.45	95	973632	49.16	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	840200	46.126	ug/l	98
3) Chloromethane	1.76	50	819534	50.934	ug/l	98
4) Vinyl Chloride	1.86	62	682907	52.797	ug/l	97
5) Bromomethane	2.14	94	98104	64.077	ug/l	91
6) Chloroethane	2.25	64	188790	65.286	ug/l	96
7) Trichlorofluoromethane	2.51	101	803885	56.451	ug/l	97
8) Diethyl Ether	2.82	74	176399	58.272	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.09	101	527031	58.692	ug/l	98
10) Methyl Iodide	3.24	142	589568	61.990	ug/l	93
11) Tert butyl alcohol	3.96	59	231529	213.226	ug/l	96
12) 1,1-Dichloroethene	3.07	96	416175	58.615	ug/l	97
13) Acrolein	2.98	56	142350	211.698	ug/l	99
14) Allyl chloride	3.53	41	856575	57.205	ug/l	97
15) Acrylonitrile	4.08	53	1014416	247.496	ug/l	99
16) Acetone	3.16	43	712953	274.412	ug/l	99
17) Carbon Disulfide	3.31	76	1303304	53.275	ug/l	99
18) Methyl Acetate	3.55	43	332102	62.853	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	1677148	51.123	ug/l	100
20) Methylene Chloride	3.72	84	1002363	54.932	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	951130	51.047	ug/l	98
22) Diisopropyl ether	4.86	45	3449752	50.507	ug/l	99
23) Vinyl Acetate	4.81	43	9576611	247.491	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1611845	52.587	ug/l	100
25) 2-Butanone	5.63	43	1636719	233.452	ug/l	100
26) 2,2-Dichloropropane	5.59	77	1270020	53.296	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	1025568	52.621	ug/l	100
28) Bromochloromethane	5.93	49	757929	51.442	ug/l	100
29) Tetrahydrofuran	5.96	42	888085	236.199	ug/l	98
30) Chloroform	6.11	83	1597660	51.399	ug/l	100
31) Cyclohexane	6.37	56	1426249	47.724	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1329170	51.557	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1171331	49.251	ug/l	99
37) Ethyl Acetate	5.70	43	758311	46.366	ug/l	97
38) Carbon Tetrachloride	6.51	117	1110917	50.038	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1354987	50.364	ug/l	97
40) Benzene	6.81	78	3151503	51.990	ug/l	100
41) Methacrylonitrile	5.95	41	907537	105.945	ug/l #	86
42) 1,2-Dichloroethane	6.91	62	908210	49.899	ug/l	99
43) Isopropyl Acetate	8.36	43	1037877	47.396	ug/l #	99
44) Trichloroethene	7.75	130	971195	51.857	ug/l	99
45) 1,2-Dichloropropane	8.12	63	835431	51.542	ug/l	99
46) Dibromomethane	8.23	93	541484	51.200	ug/l	90
47) Bromodichloromethane	8.50	83	1186207	52.023	ug/l	99
48) Methyl methacrylate	8.26	41	607270	49.793	ug/l	97
49) 1,4-Dioxane	8.24	88	113934	940.570	ug/l	97
51) 4-Methyl-2-Pentanone	9.36	43	3335682	228.683	ug/l	99
52) Toluene	9.56	92	1992345	51.277	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	1072536	50.434	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	1273672	50.127	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	656529	48.666	ug/l	98
56) Ethyl methacrylate	10.04	69	753784	50.376	ug/l	98
57) 1,3-Dichloropropane	10.40	76	1020111	51.228	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.94	63	1930691	267.200	ug/l	98
59) 2-Hexanone	10.51	43	2415262	232.043	ug/l	99
60) Dibromochloromethane	10.65	129	848225	51.658	ug/l	99
61) 1,2-Dibromoethane	10.77	107	705349	50.640	ug/l	97
64) Tetrachloroethene	10.27	164	867513	51.340	ug/l	98
65) Chlorobenzene	11.33	112	2216486	53.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	748318	53.884	ug/l	97
67) Ethyl Benzene	11.44	91	3529380	53.264	ug/l	99
68) m/p-Xylenes	11.58	106	2682326	109.608	ug/l	98
69) o-Xylene	11.95	106	1293753	53.355	ug/l	96
70) Styrene	11.97	104	2200055	53.961	ug/l	99
71) Bromoform	12.13	173	616853	51.698	ug/l	99
73) Isopropylbenzene	12.30	105	3486655	54.087	ug/l	98
74) N-amyl acetate	12.15	43	1289193	50.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	748170	51.160	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	773232	51.508	ug/l	100
77) Bromobenzene	12.55	156	1002635	53.994	ug/l	91
78) n-propylbenzene	12.65	91	4412860	54.436	ug/l	98
79) 2-Chlorotoluene	12.72	91	2423894	52.976	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	2676528	54.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	235380	51.943	ug/l	95
82) 4-Chlorotoluene	12.83	91	2671139	53.100	ug/l	93
83) tert-Butylbenzene	13.07	119	3140007	54.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	2758845	52.323	ug/l	97
85) sec-Butylbenzene	13.24	105	3692081	54.336	ug/l	96
86) p-Isopropyltoluene	13.36	119	2972219	54.083	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	1771488	54.859	ug/l	97
88) 1,4-Dichlorobenzene	13.41	146	1745952	53.307	ug/l	97
89) n-Butylbenzene	13.67	91	2952301	59.348	ug/l	98
90) Hexachloroethane	13.87	117	763070	56.060	ug/l	90
91) 1,2-Dichlorobenzene	13.68	146	1473548	58.092	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	109585	49.154	ug/l	59

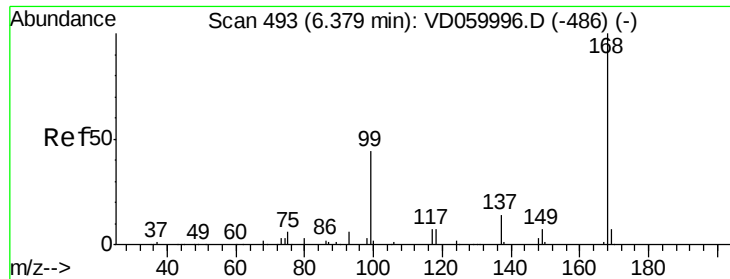
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	1266712	55.047	ug/l	99
94) Hexachlorobutadiene	14.90	225	834472	54.820	ug/l	100
95) Naphthalene	14.98	128	1816547	51.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	1031888	50.885	ug/l	98

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

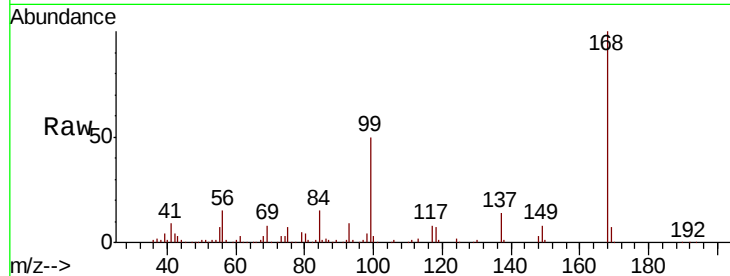


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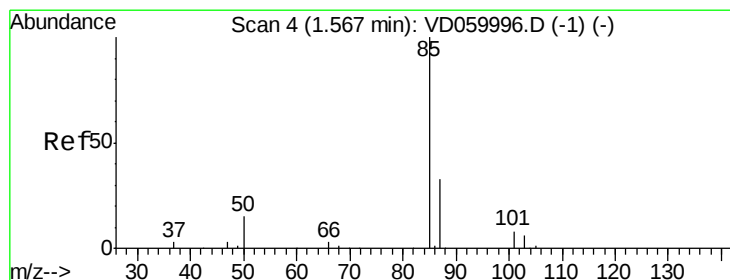
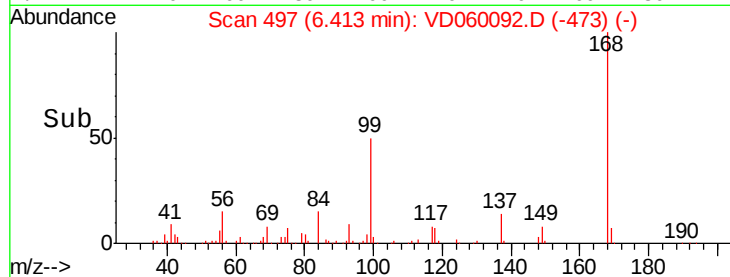
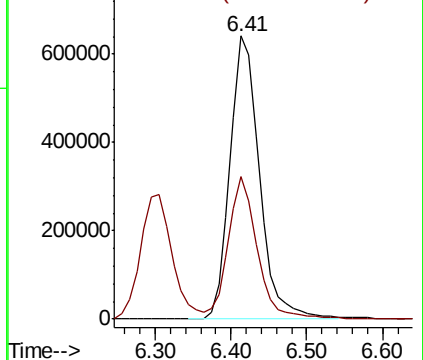
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 1725606
 Ion Ratio Lower Upper
 168 100
 99 50.3 38.5 57.7



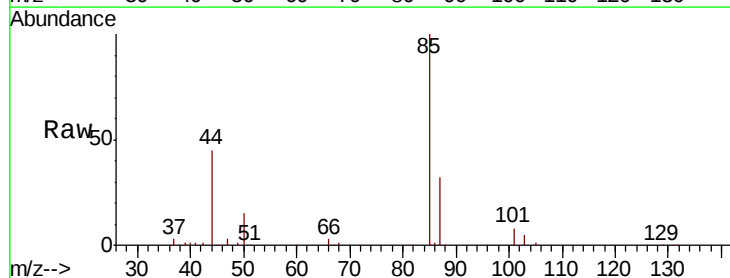
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



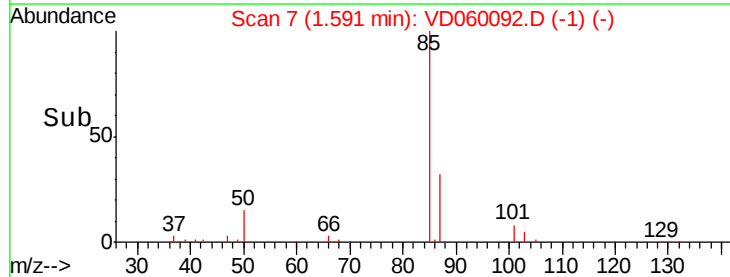
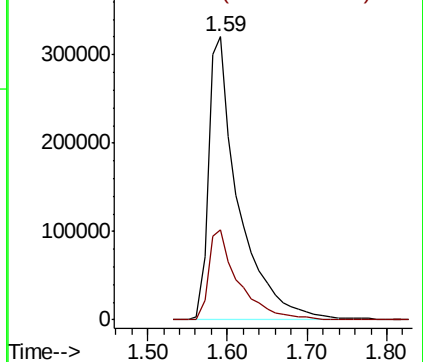
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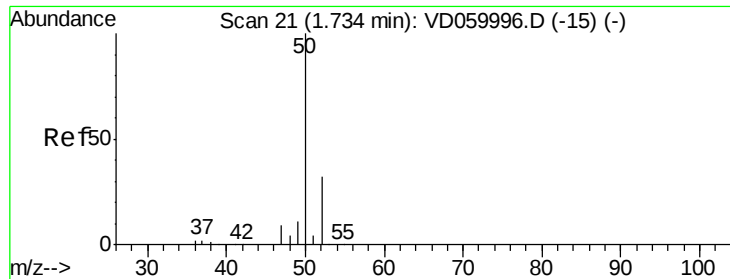
Dichlorodifluoromethane
 Concen: 46.126 ug/l
 RT: 1.59 min Scan# 7
 Delta R.T. 0.02 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Tgt Ion: 85 Resp: 840200
 Ion Ratio Lower Upper
 85 100
 87 31.6 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.934 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

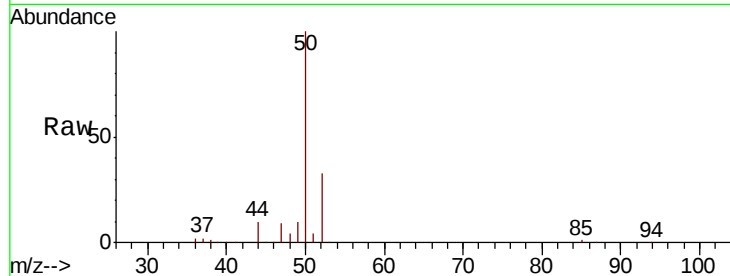
VSTDCCC050

Tot Ion: 50 Resp: 819534

Ion Ratio Lower Upper

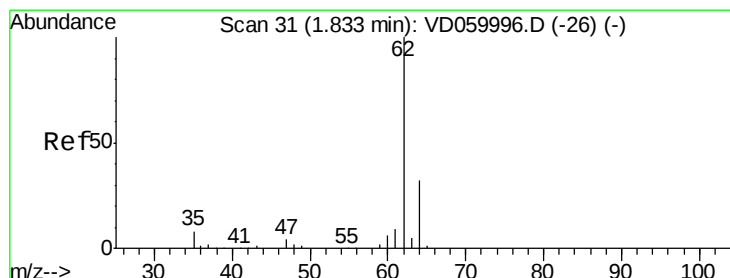
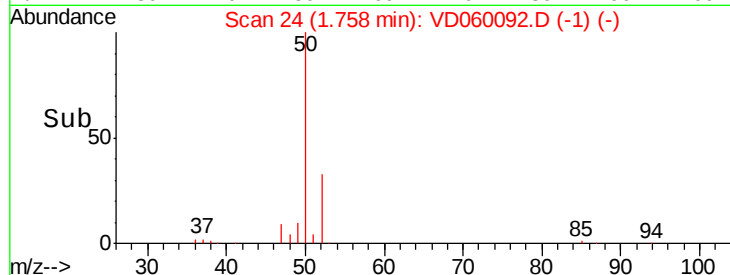
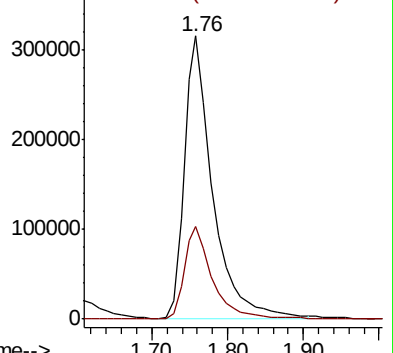
50 100

52 32.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.797 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD060092.D

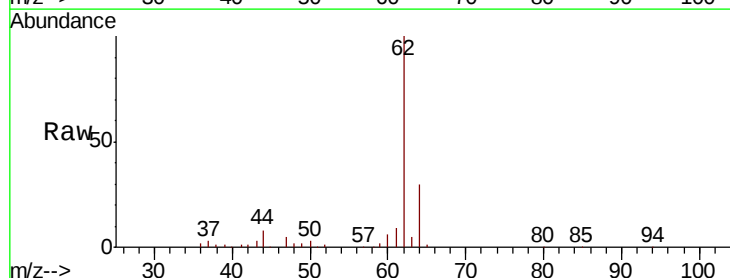
Acq: 28 Sep 2018 12:14

Tgt Ion: 62 Resp: 682907

Ion Ratio Lower Upper

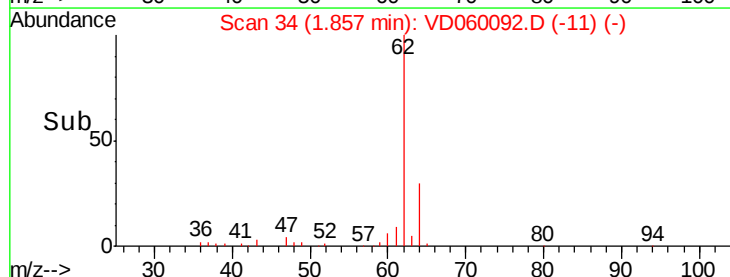
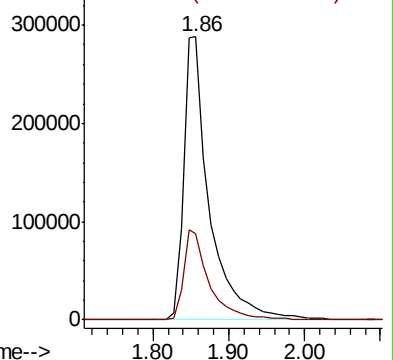
62 100

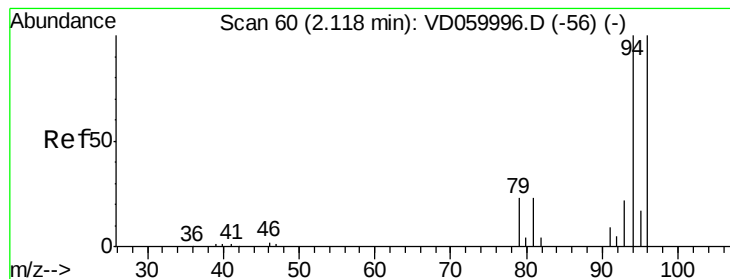
64 30.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 64.077 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

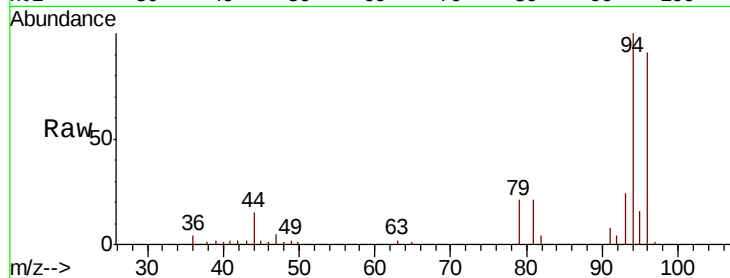
VSTDCCC050

Tot Ion: 94 Resp: 98104

Ion Ratio Lower Upper

94 100

96 91.0 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

40000

30000

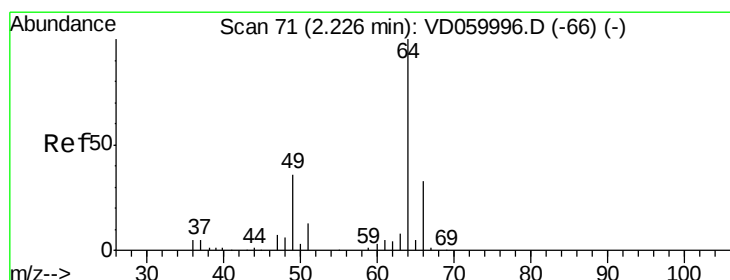
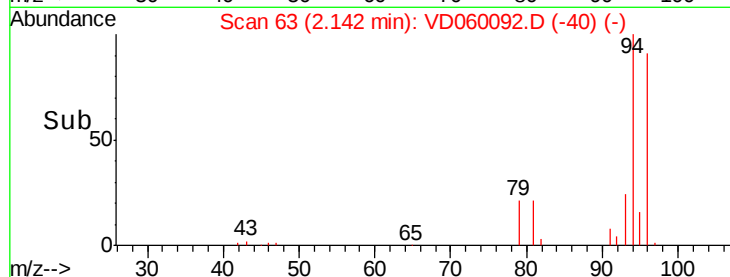
20000

10000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 65.286 ug/l

RT: 2.25 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060092.D

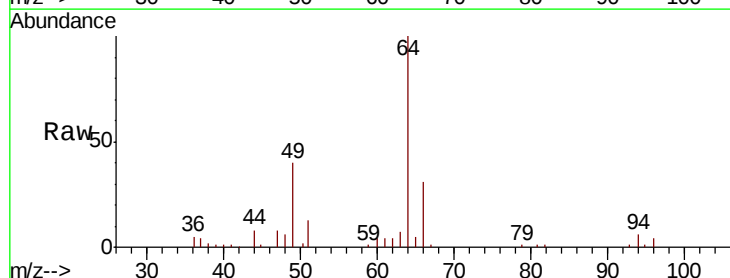
Acq: 28 Sep 2018 12:14

Tgt Ion: 64 Resp: 188790

Ion Ratio Lower Upper

64 100

66 31.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.25

80000

60000

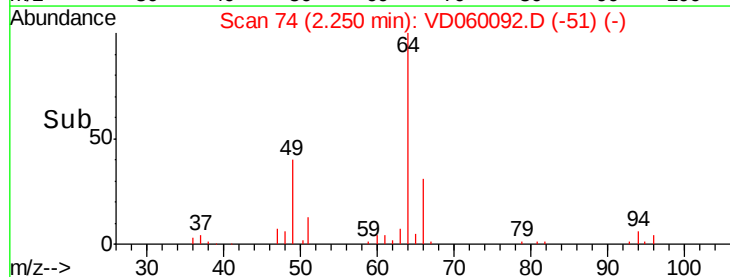
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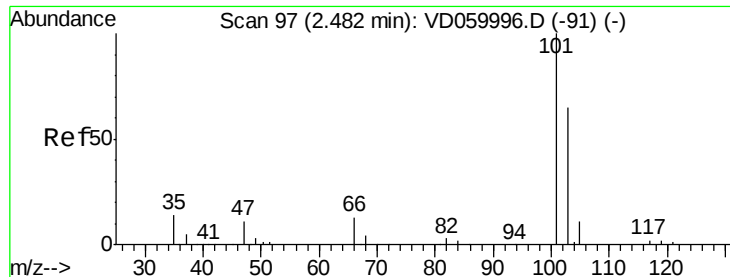
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Time-->

2.20 2.30 2.40



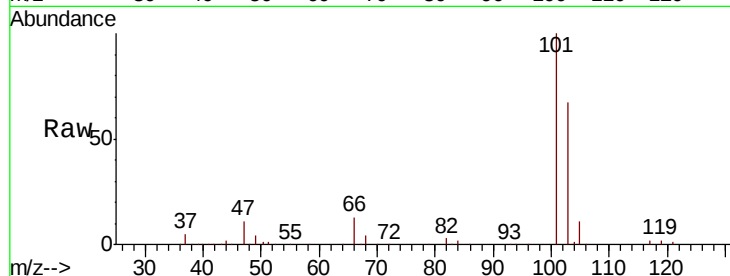


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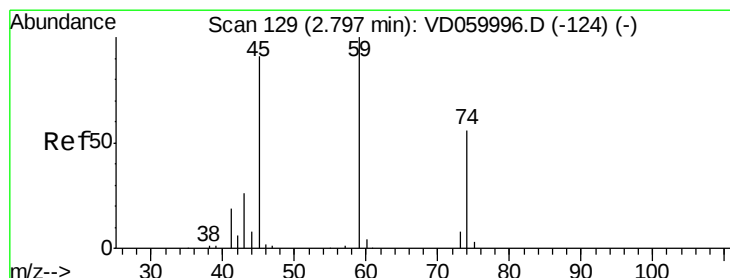
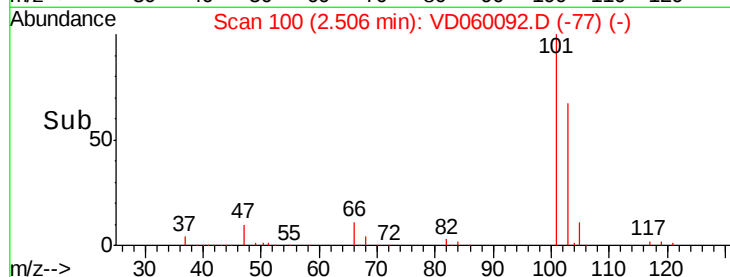
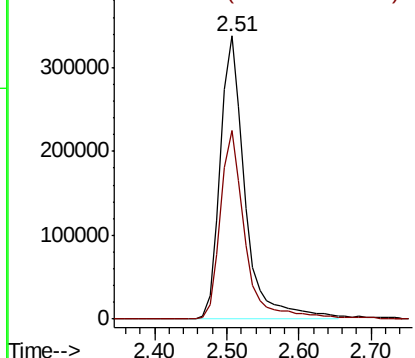
Trichlorofluoromethane
 Concen: 56.451 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.02 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Instrument :
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 VSTDCCC050

Tot Ion: 101 Resp: 803885
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.6 77.4



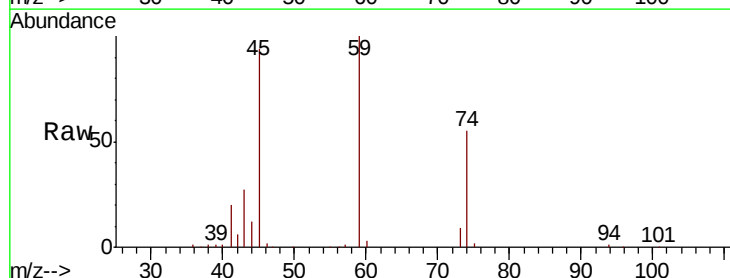
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



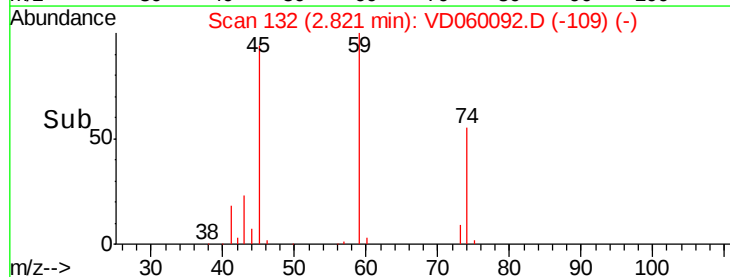
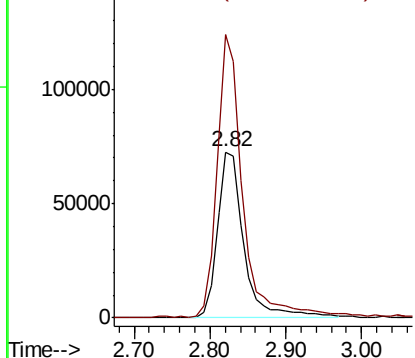
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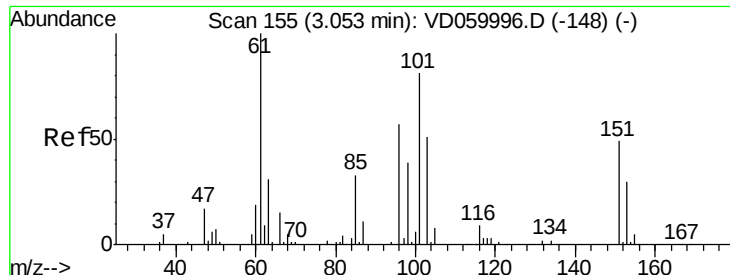
Diethyl Ether
 Concen: 58.272 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. 0.02 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Tgt Ion: 74 Resp: 176399
 Ion Ratio Lower Upper
 74 100
 45 170.9 81.2 243.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.692 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

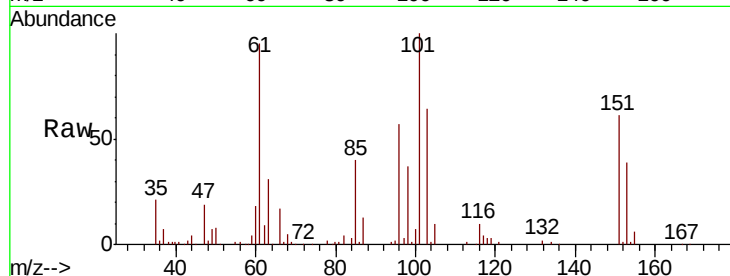
Tot Ion:101 Resp: 527031

Ion Ratio Lower Upper

101 100

85 40.1 33.1 49.7

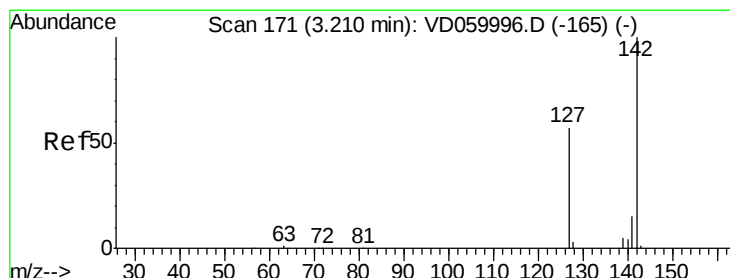
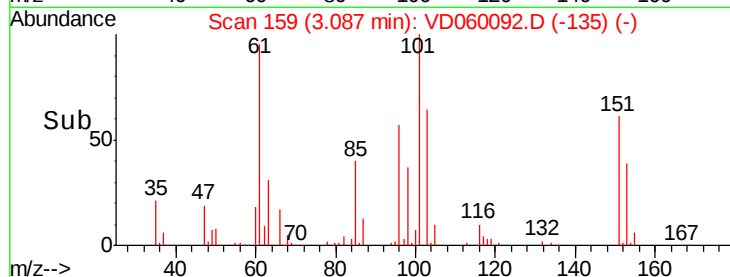
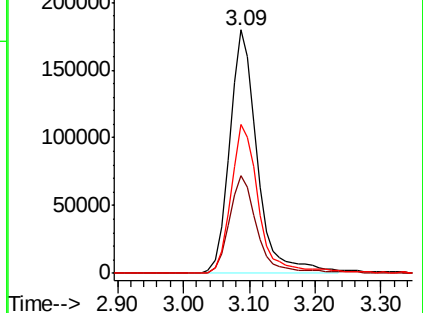
151 61.3 48.2 72.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 61.990 ug/l

RT: 3.24 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

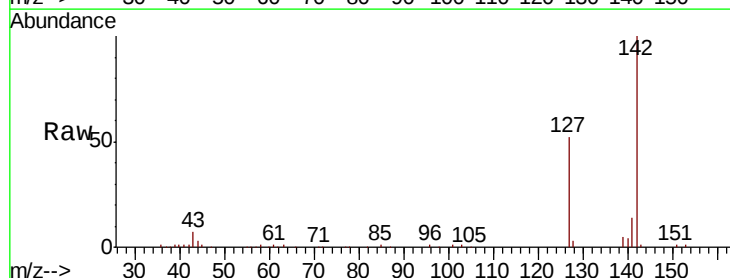
Tgt Ion:142 Resp: 589568

Ion Ratio Lower Upper

142 100

127 51.7 45.8 68.8

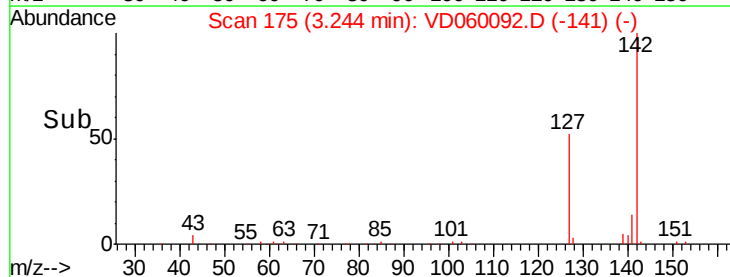
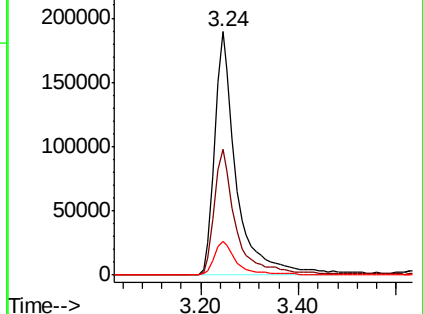
141 14.0 12.2 18.4

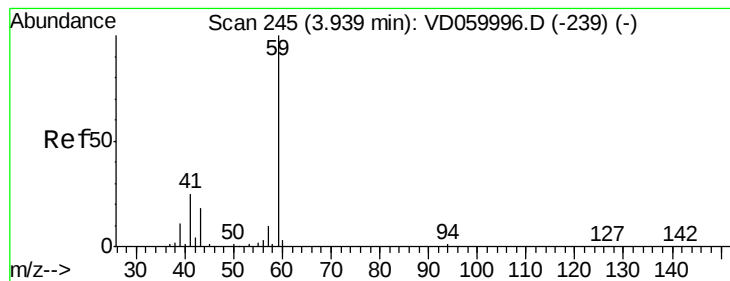


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



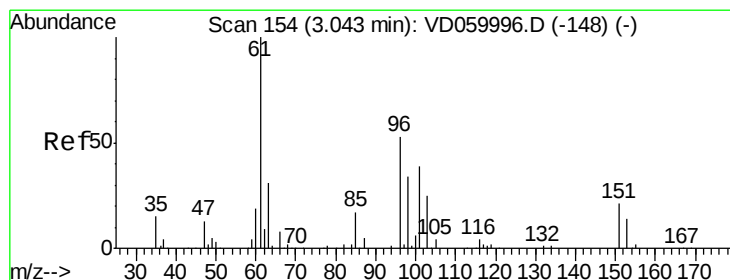
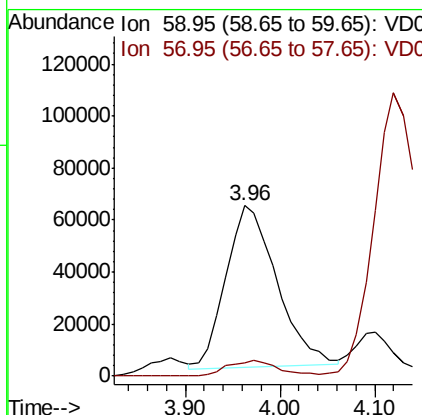
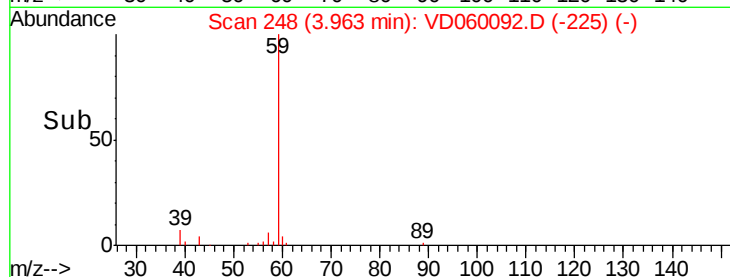
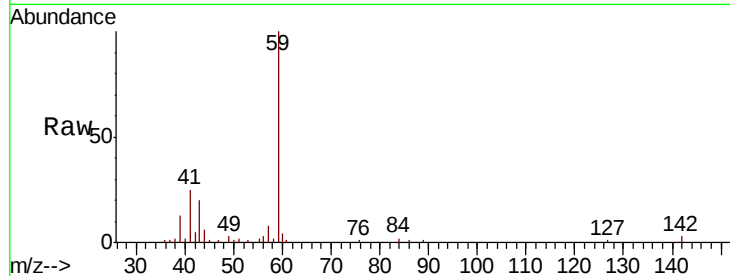


#11

Tert butyl alcohol
Concen: 213.226 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

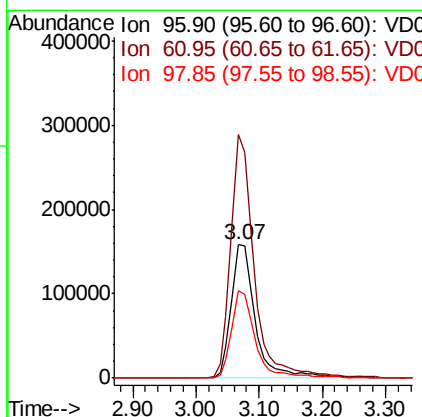
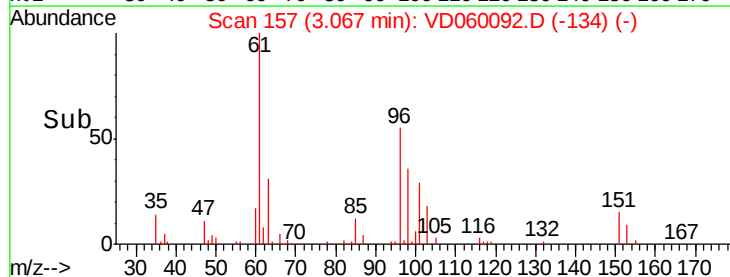
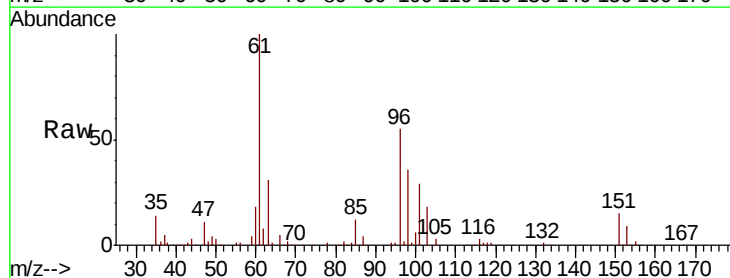
Tot Ion: 59 Resp: 231529
Ion Ratio Lower Upper
59 100
57 7.8 7.4 11.2

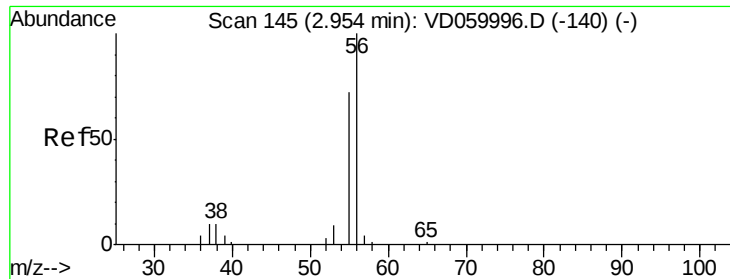


#12

1,1-Dichloroethene
Concen: 58.615 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 96 Resp: 416175
Ion Ratio Lower Upper
96 100
61 182.4 149.8 224.6
98 65.3 50.2 75.4





#13

Acrolein

Concen: 211.698 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

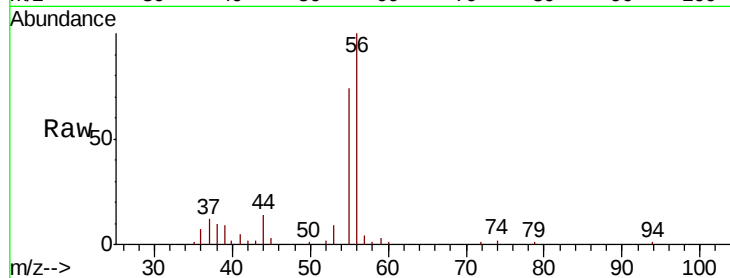
VSTDCCC050

Tot Ion: 56 Resp: 142350

Ion Ratio Lower Upper

56 100

55 74.1 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.98

60000

50000

40000

30000

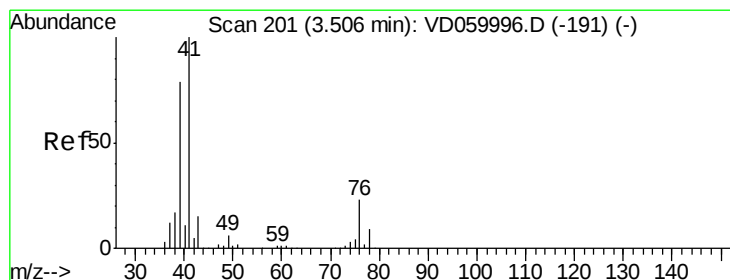
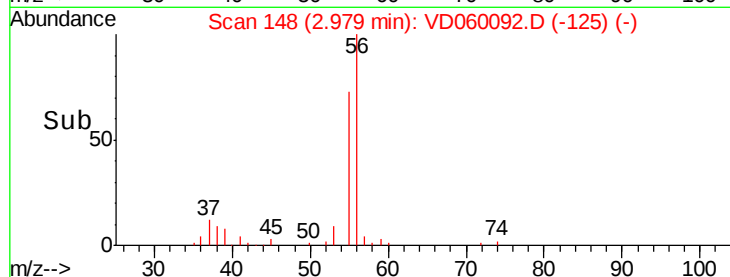
20000

10000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 57.205 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

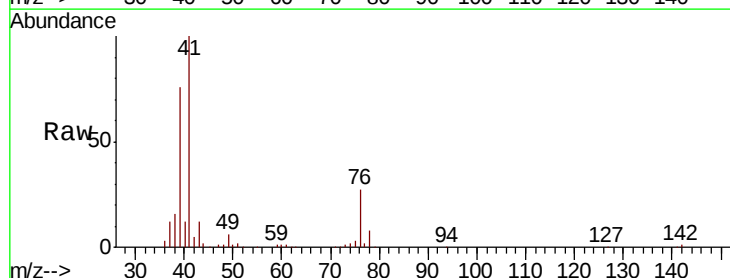
Tgt Ion: 41 Resp: 856575

Ion Ratio Lower Upper

41 100

39 76.0 63.6 95.4

76 27.3 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.53

400000

300000

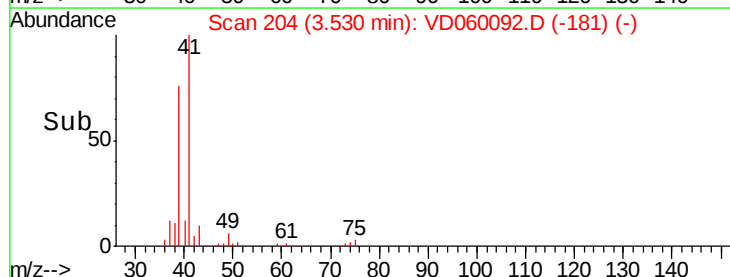
200000

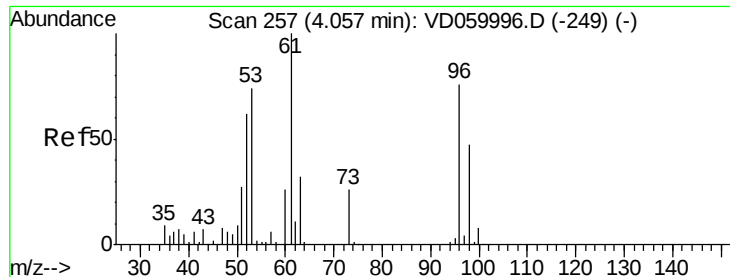
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 247.496 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

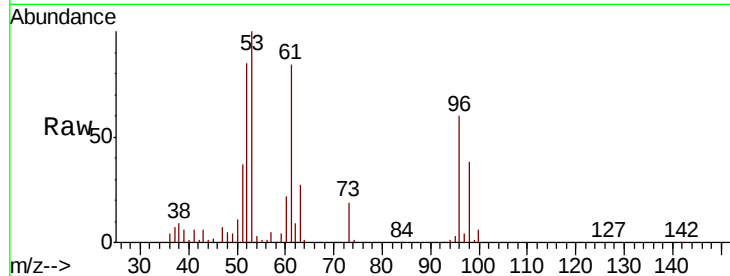
Tot Ion: 53 Resp: 1014416

Ion Ratio Lower Upper

53 100

52 84.7 66.7 100.1

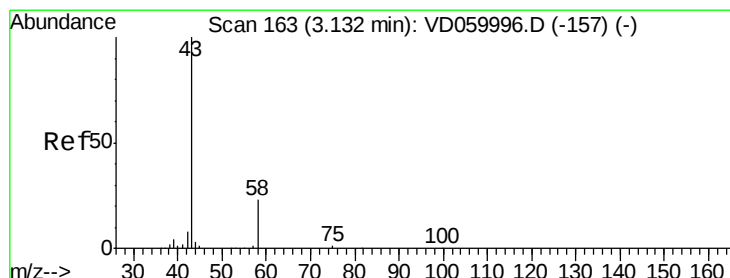
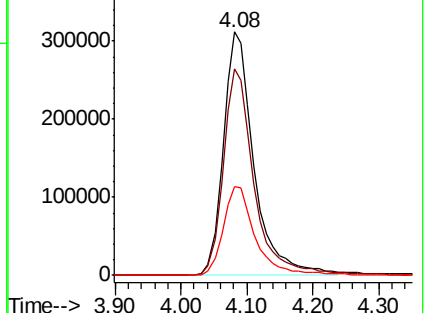
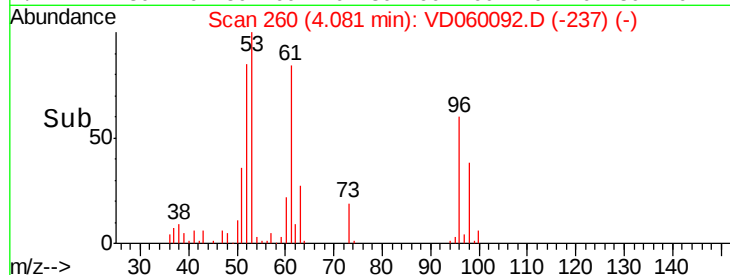
51 36.6 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 274.412 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060092.D

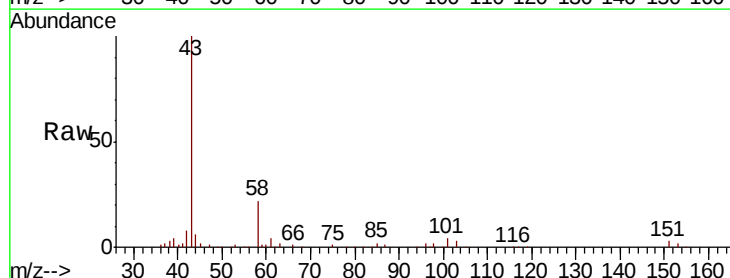
Acq: 28 Sep 2018 12:14

Tgt Ion: 43 Resp: 712953

Ion Ratio Lower Upper

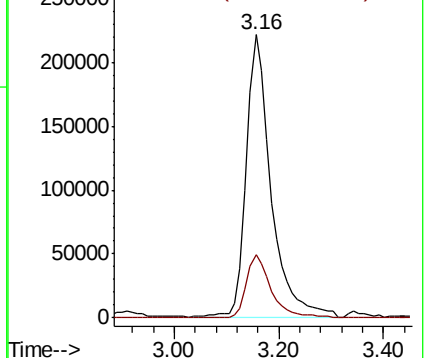
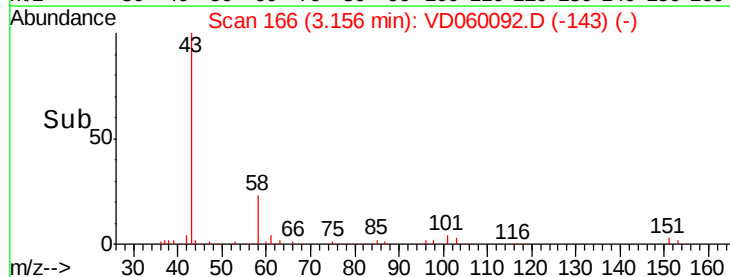
43 100

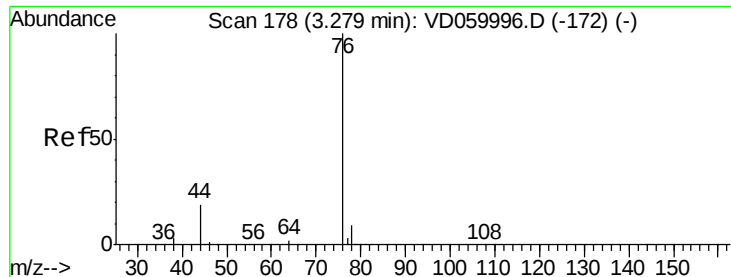
58 22.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

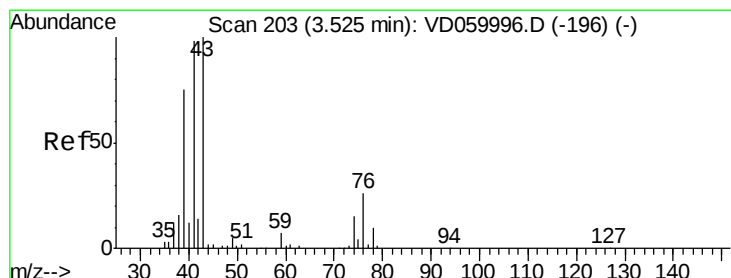
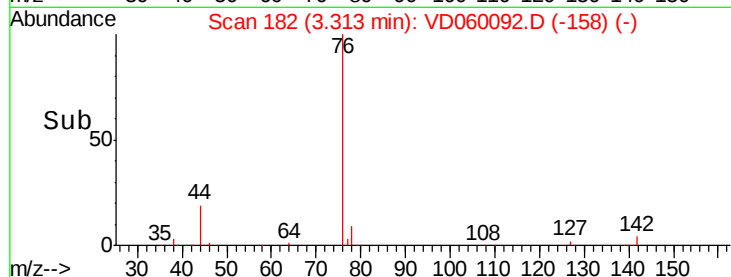
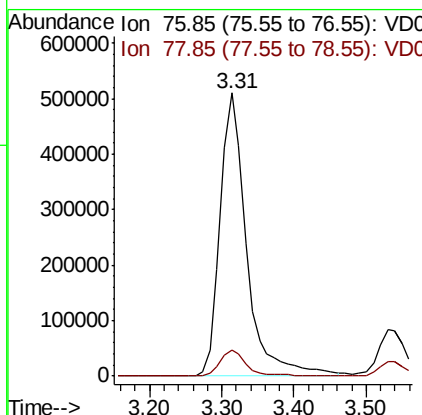
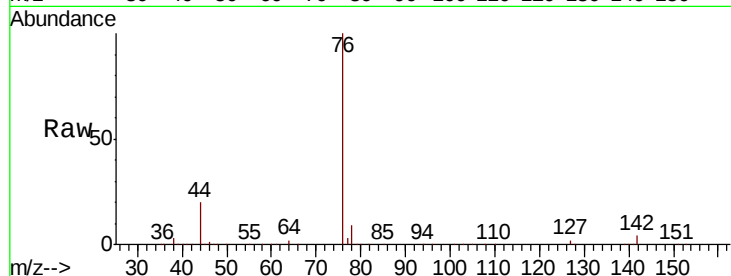




#17
Carbon Disulfide
Concen: 53.275 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

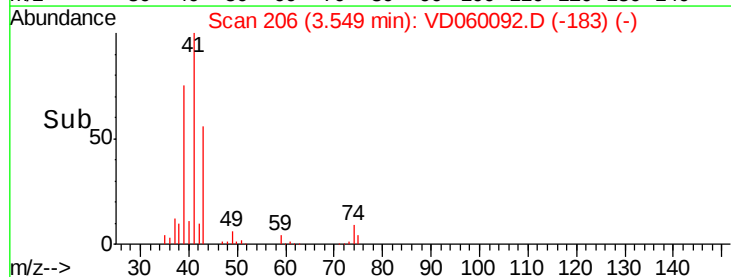
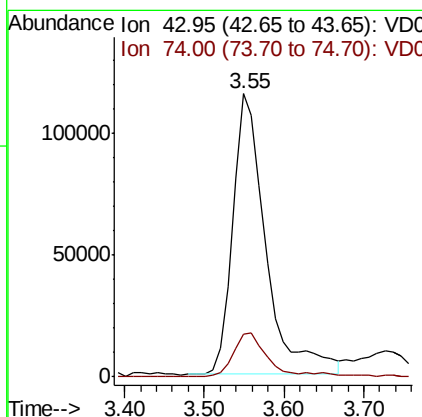
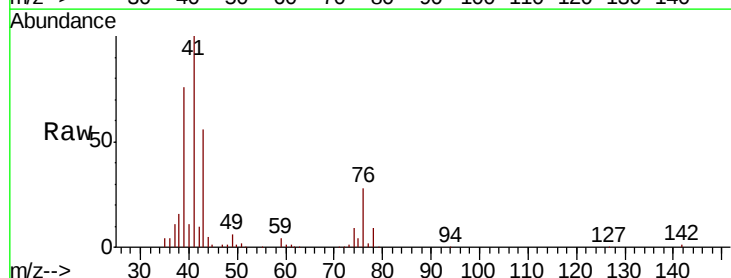
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

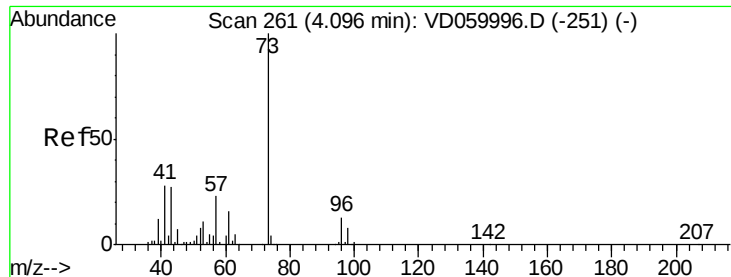
Tot Ion: 76 Resp: 1303304
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 62.853 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 43 Resp: 332102
Ion Ratio Lower Upper
43 100
74 15.3 11.8 17.8

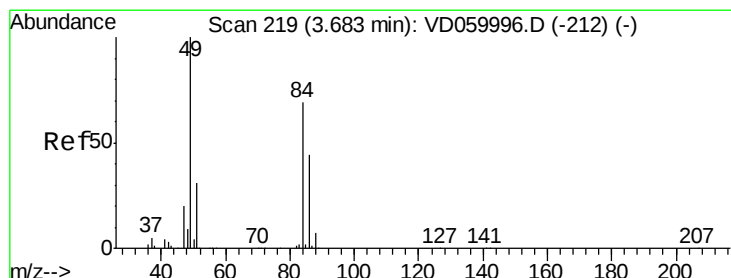
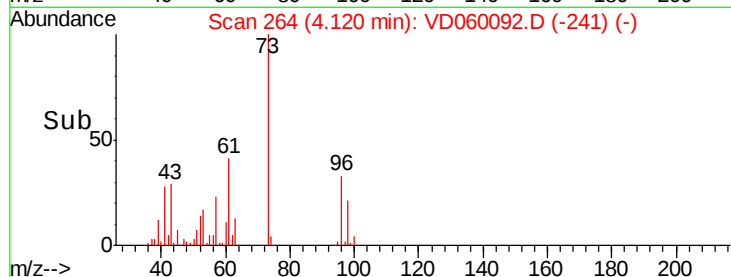
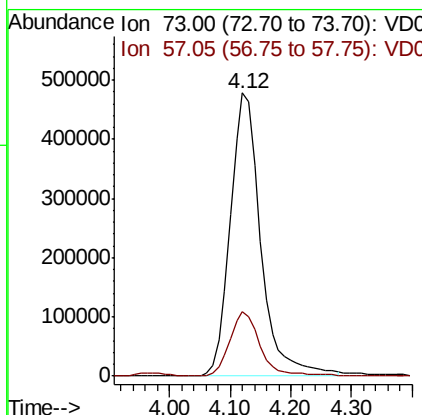
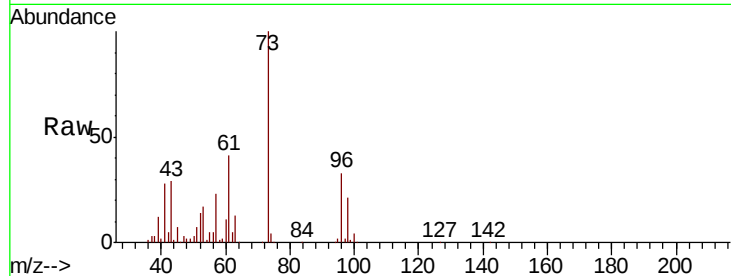




#19
Methyl tert-butyl Ether
Concen: 51.123 ug/l
RT: 4.12 min Scan# 264
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

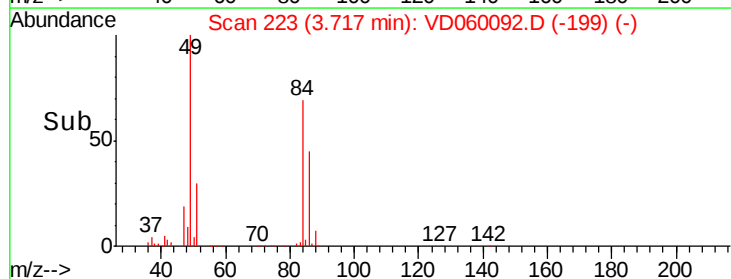
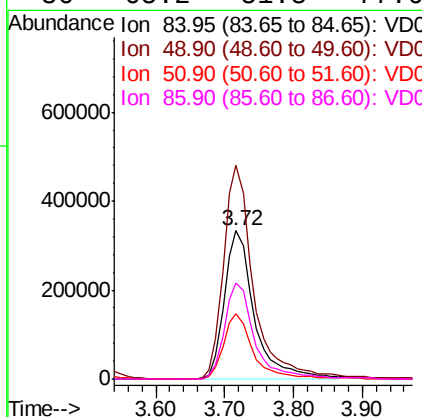
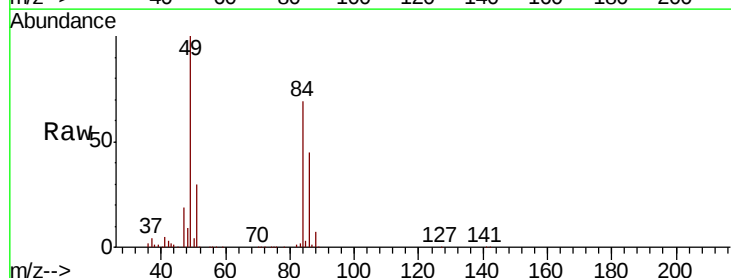
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

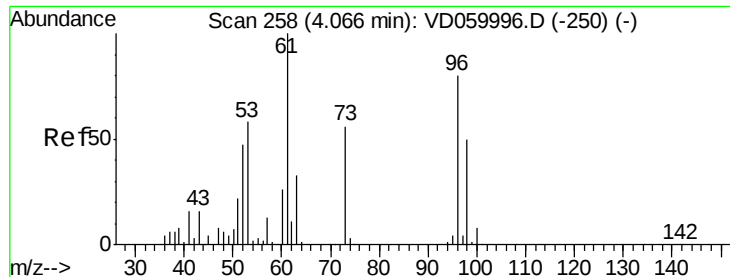
Tot Ion: 73 Resp: 1677148
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 54.932 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 84 Resp: 1002363
Ion Ratio Lower Upper
84 100
49 144.1 116.6 175.0
51 43.7 35.9 53.9
86 65.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.047 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

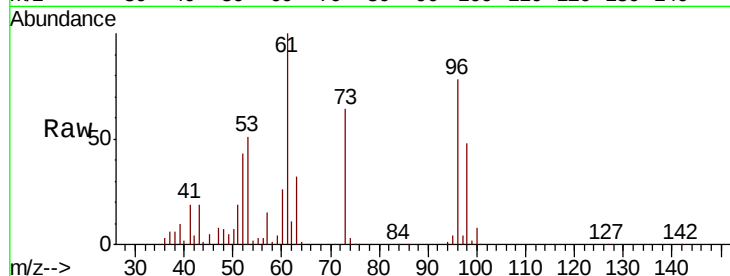
Tot Ion: 96 Resp: 951130

Ion Ratio Lower Upper

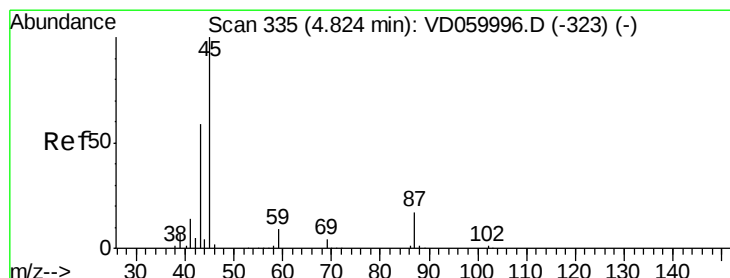
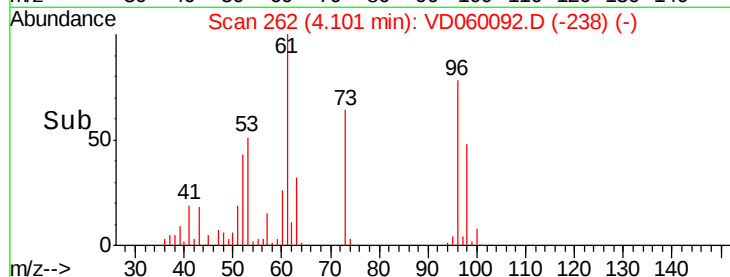
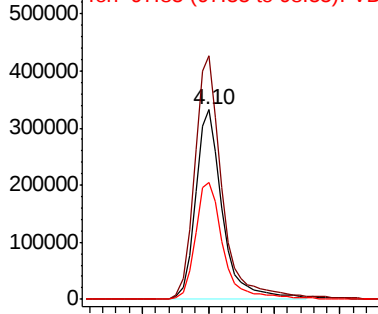
96 100

61 128.4 100.1 150.1

98 62.0 49.5 74.3



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



#22

Diisopropyl ether

Concen: 50.507 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Tgt Ion: 45 Resp: 3449752

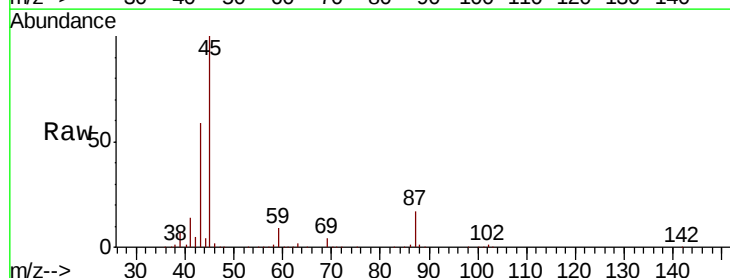
Ion Ratio Lower Upper

45 100

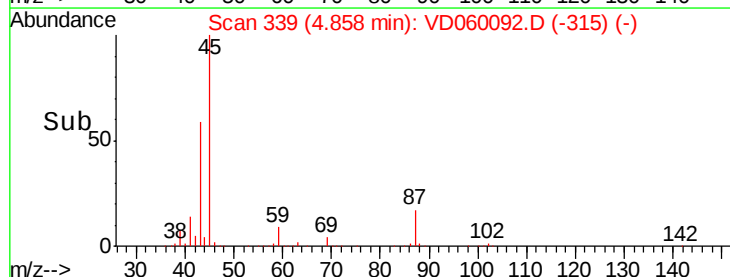
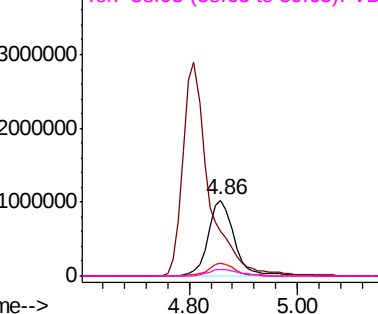
43 59.4 47.1 70.7

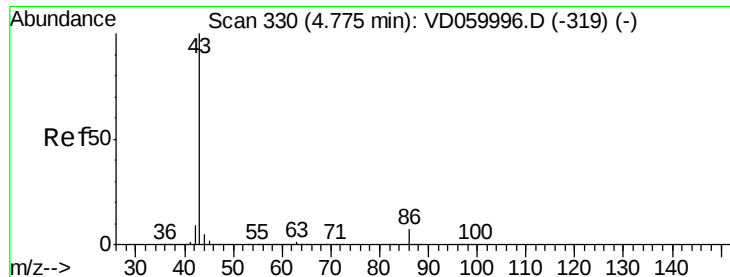
87 16.8 14.2 21.2

59 9.1 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 247.491 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

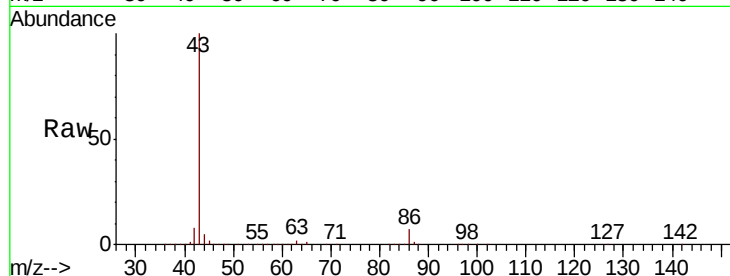
VSTDCCC050

Tot Ion: 43 Resp: 9576611

Ion Ratio Lower Upper

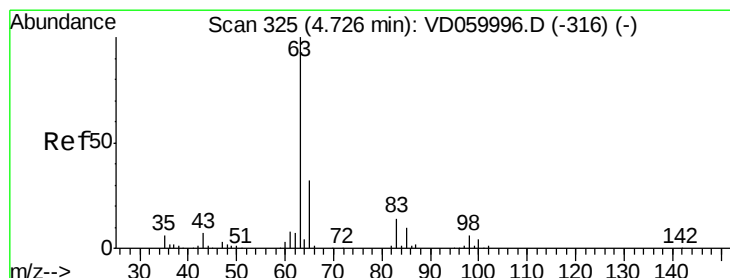
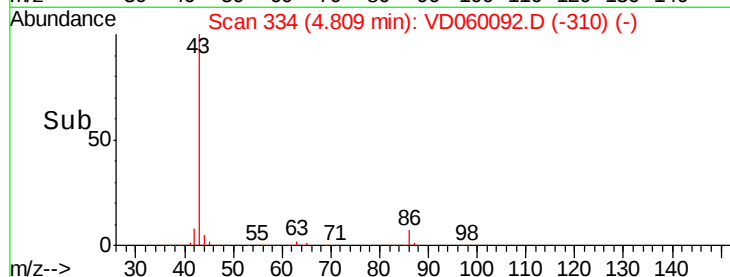
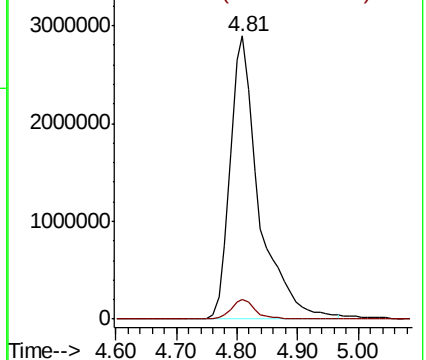
43 100

86 7.0 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.587 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

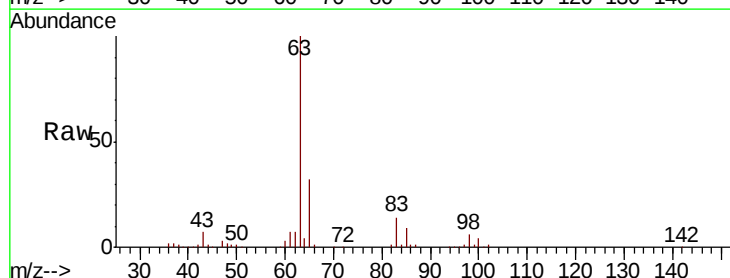
Tgt Ion: 63 Resp: 1611845

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

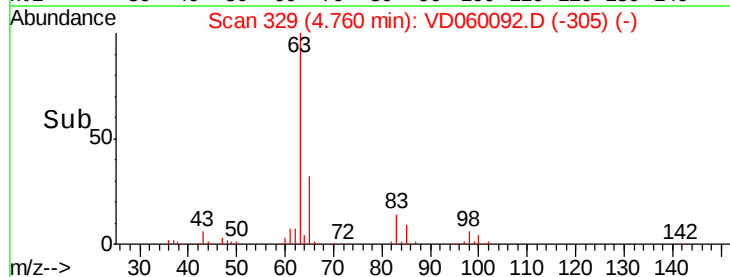
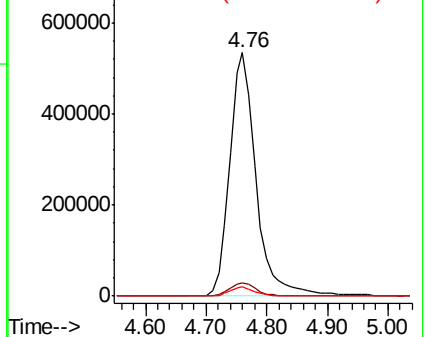
100 3.6 1.8 5.4

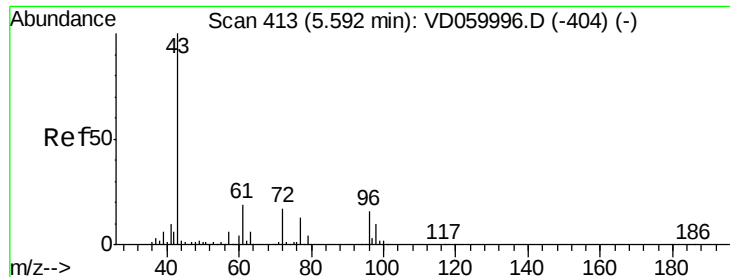


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

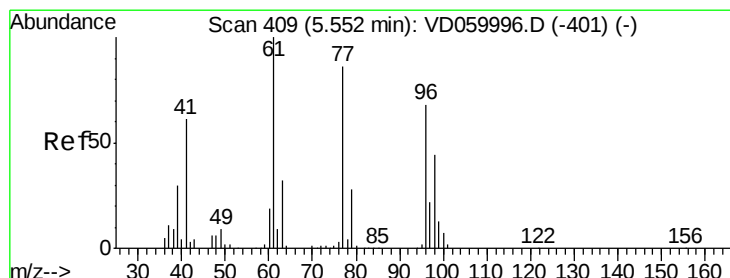
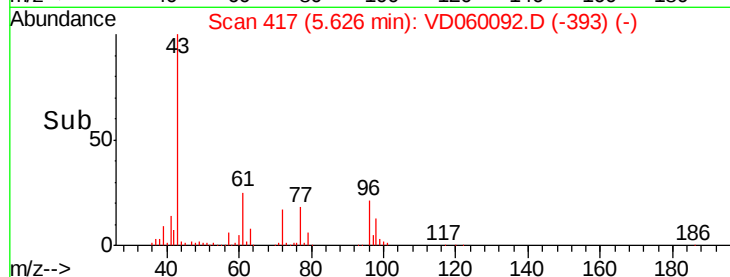
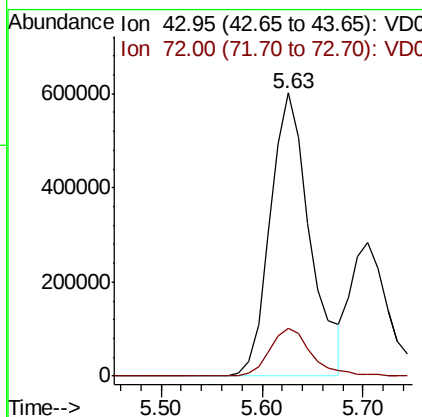
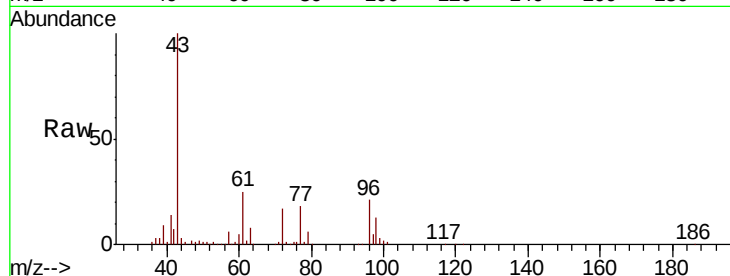




#25
2-Butanone
Concen: 233.452 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

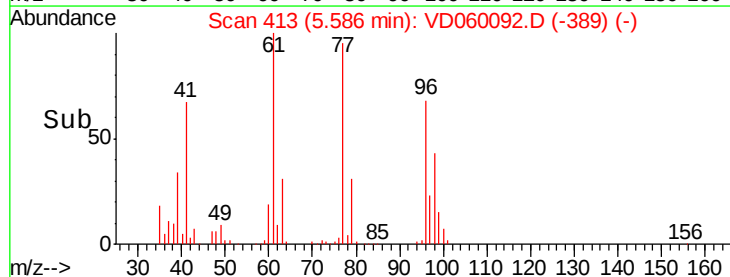
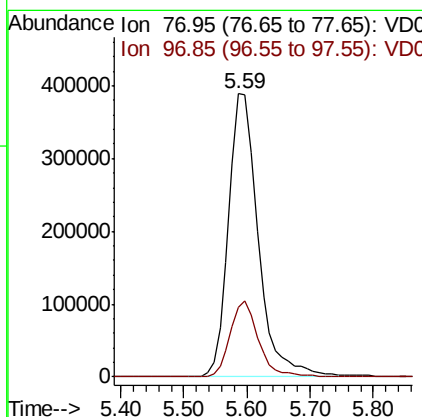
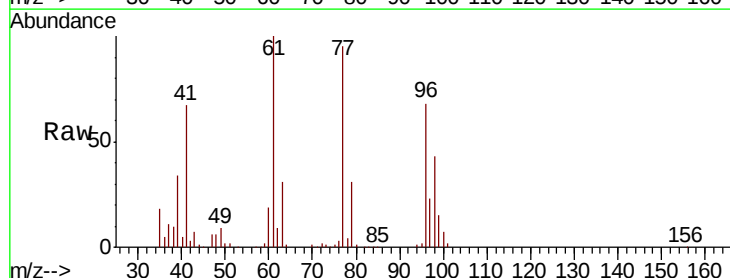
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

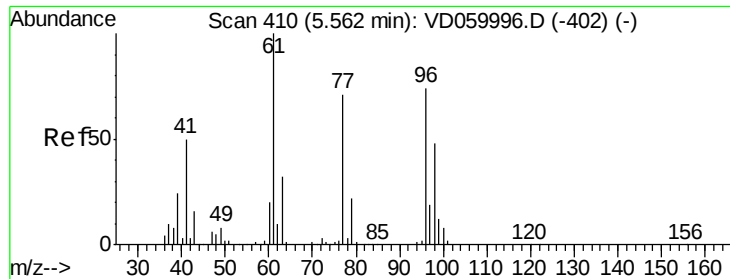
Tot Ion: 43 Resp: 1636719
Ion Ratio Lower Upper
43 100
72 17.1 13.6 20.4



#26
2,2-Dichloropropane
Concen: 53.296 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 77 Resp: 1270020
Ion Ratio Lower Upper
77 100
97 24.8 12.7 38.1



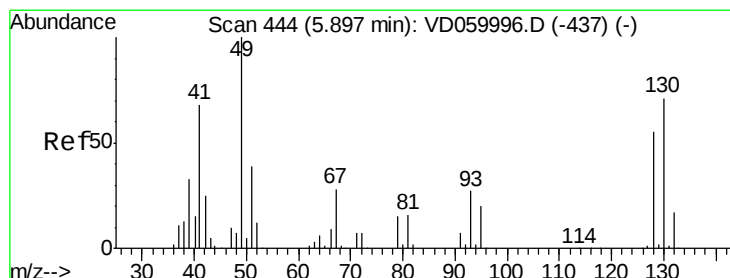
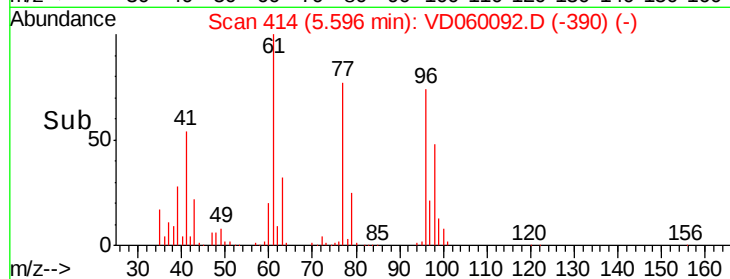
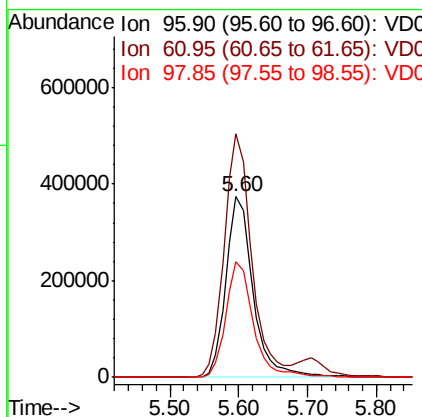
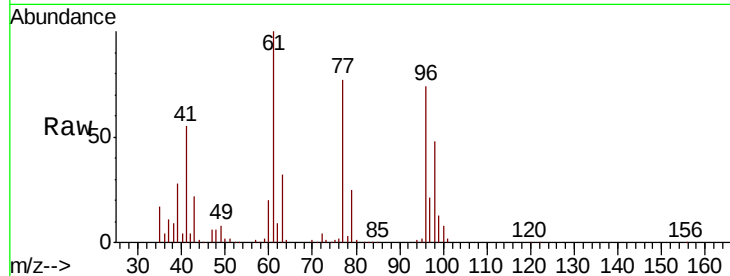


#27

cis-1,2-Dichloroethene
Concen: 52.621 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

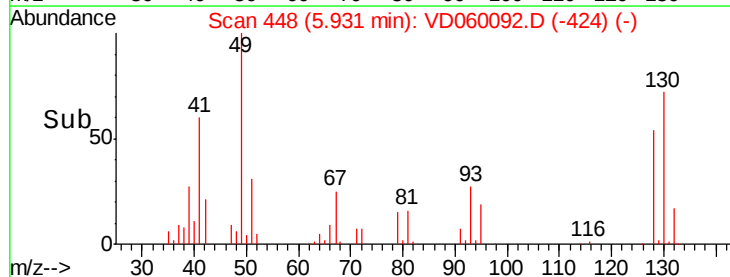
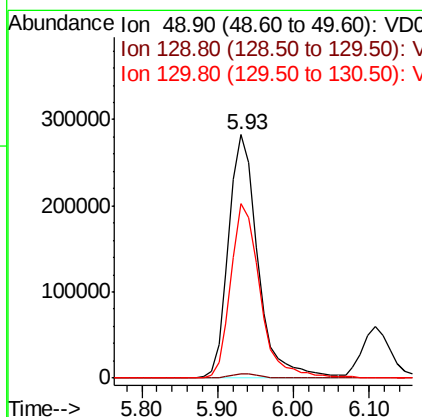
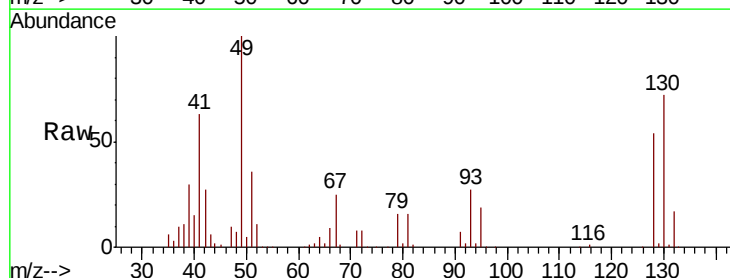
Tot Ion: 96 Resp: 1025568
Ion Ratio Lower Upper
96 100
61 135.1 0.0 269.6
98 64.3 0.0 128.4



#28

Bromochloromethane
Concen: 51.442 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 49 Resp: 757929
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.6
130 71.6 57.1 85.7

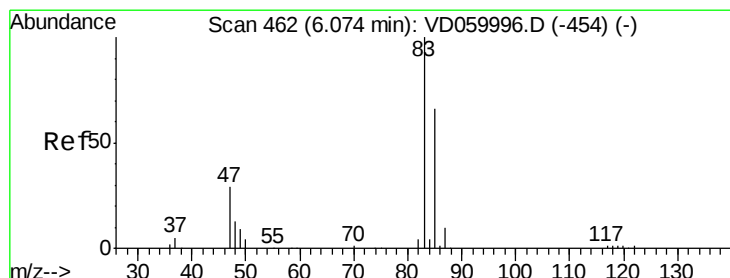
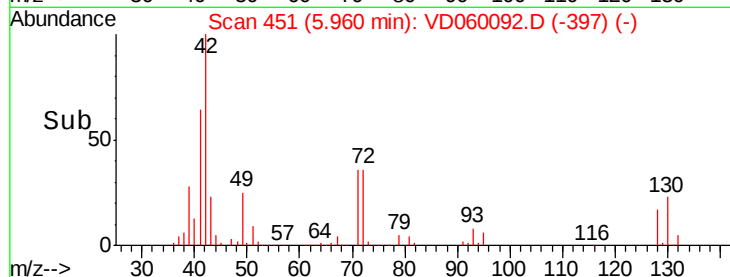
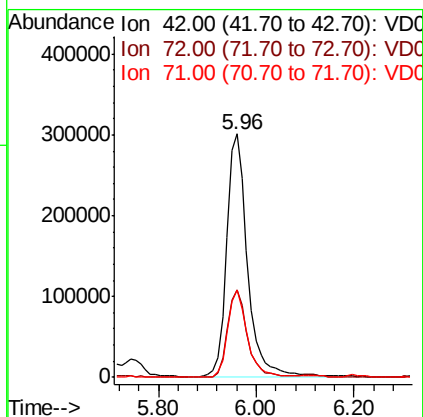
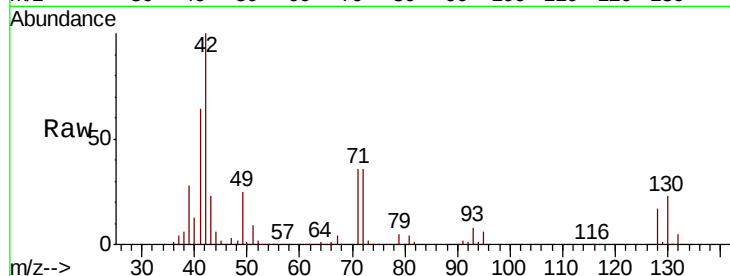




#29
Tetrahydrofuran
Concen: 236.199 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

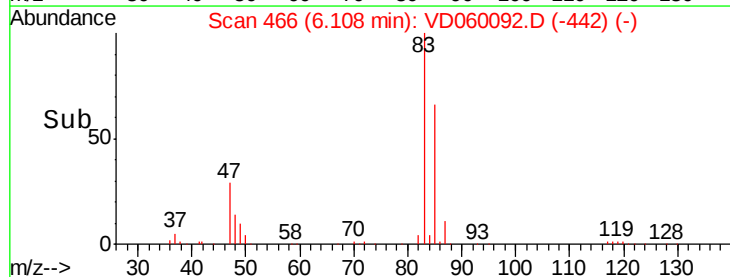
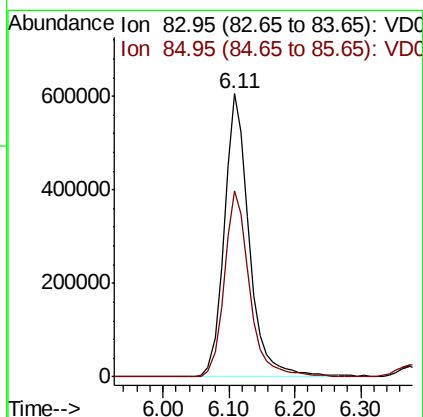
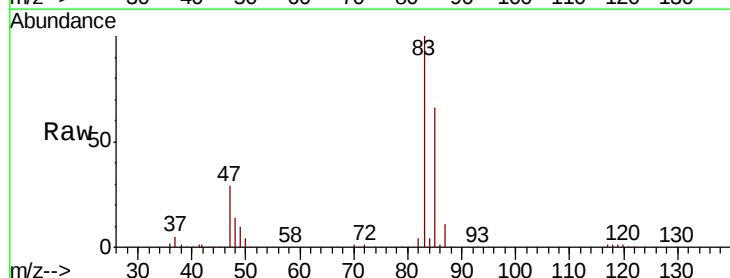
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

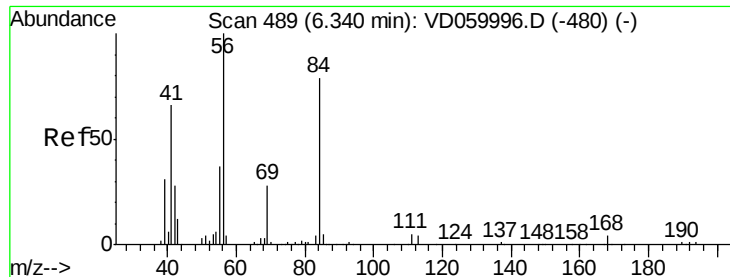
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	26.9	40.3
71	34.0	26.2	39.4



#30
Chloroform
Concen: 51.399 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8

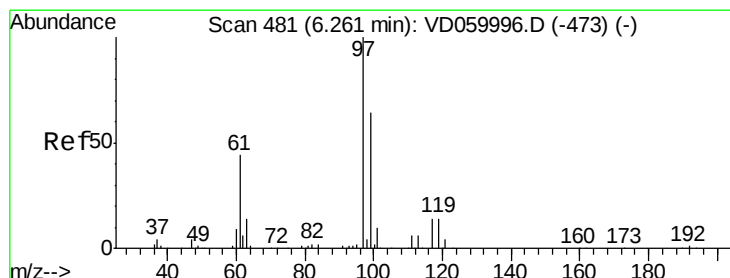
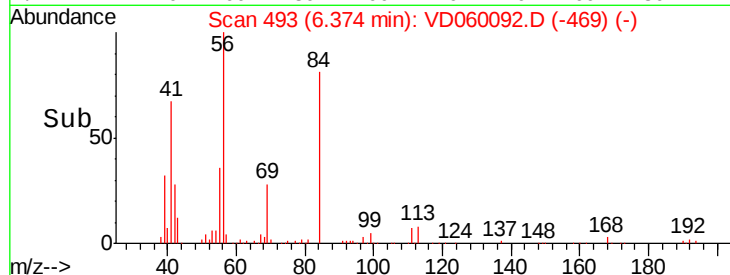
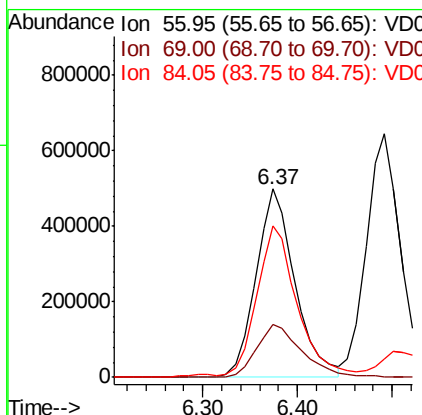
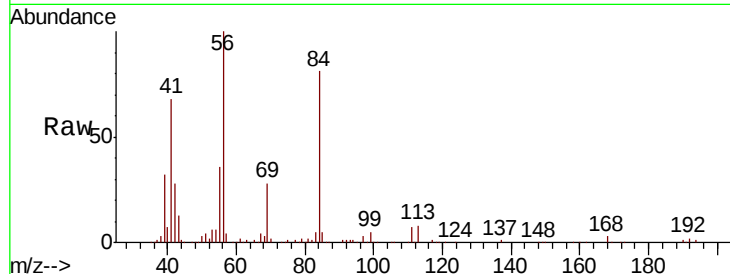




#31
Cyclohexane
Concen: 47.724 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

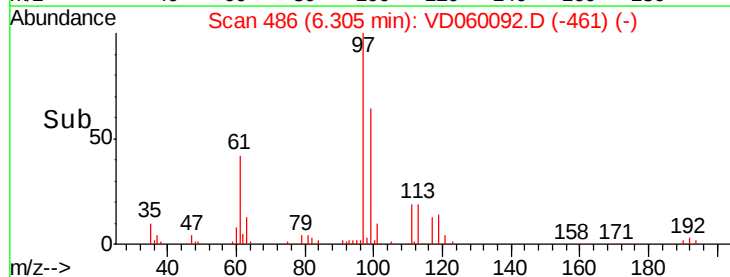
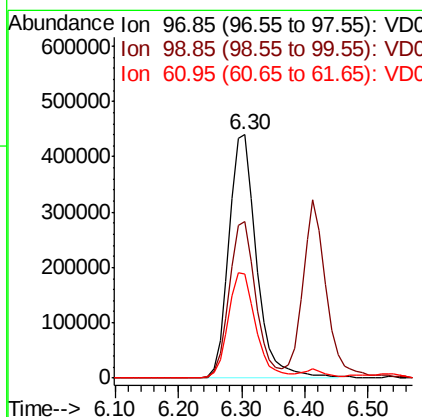
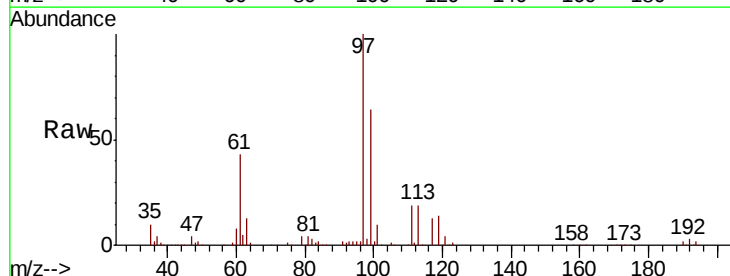
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

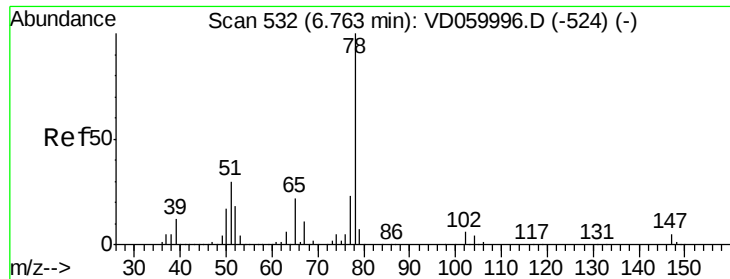
Tot Ion: 56 Resp: 1426249
Ion Ratio Lower Upper
56 100
69 28.2 22.7 34.1
84 80.7 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 51.557 ug/l
RT: 6.30 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 97 Resp: 1329170
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 42.5 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 51.557 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

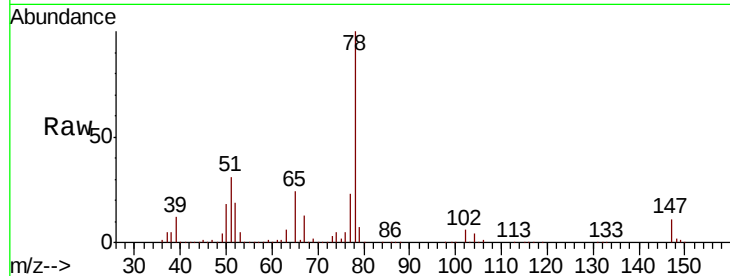
VSTDCCC050

Tot Ion: 65 Resp: 664537

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

250000

200000

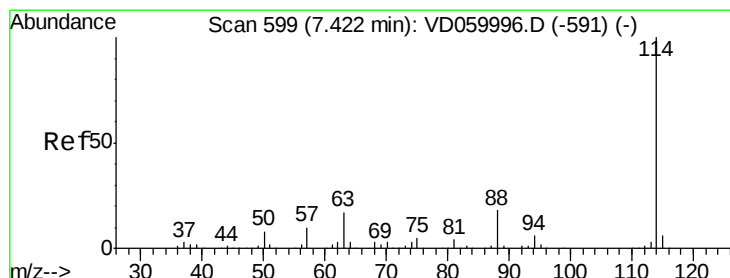
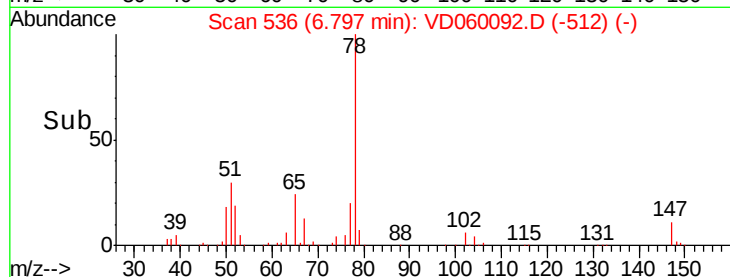
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

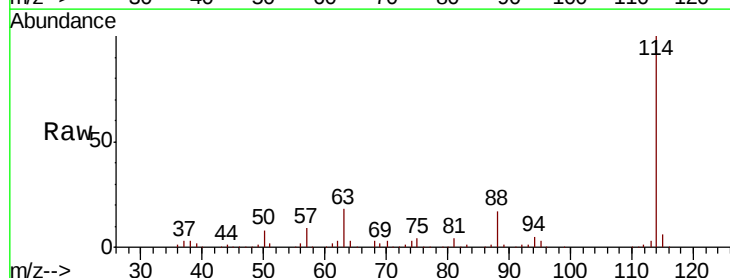
Tgt Ion: 114 Resp: 2394237

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 17.5 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

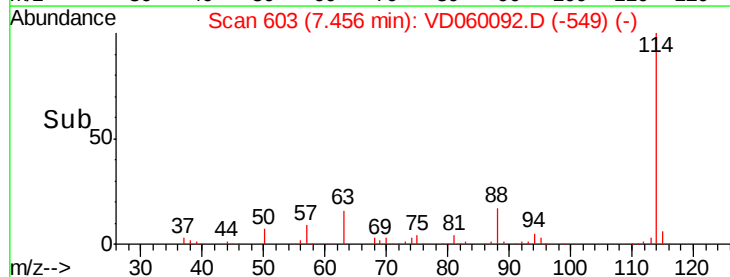
7.46

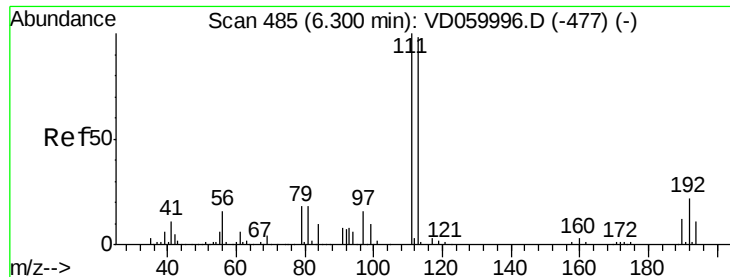
1000000

500000

0

Time-->

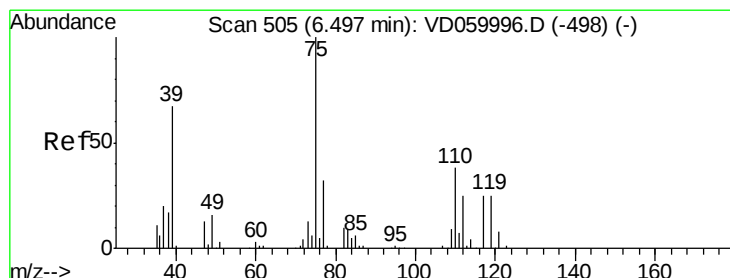
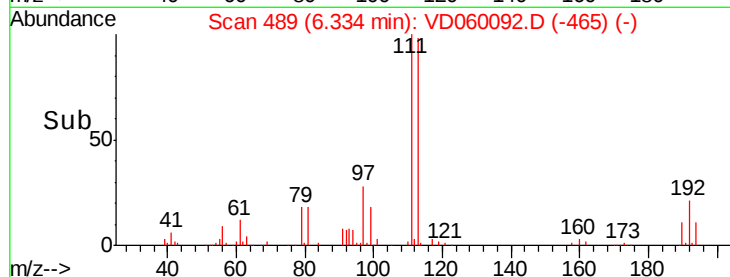
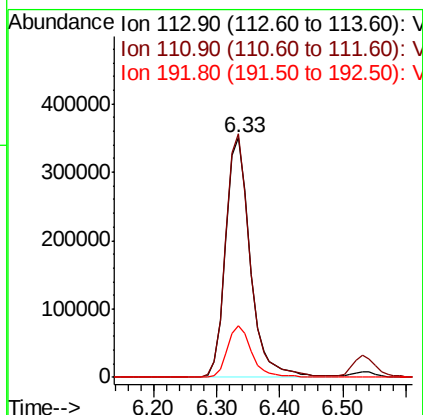
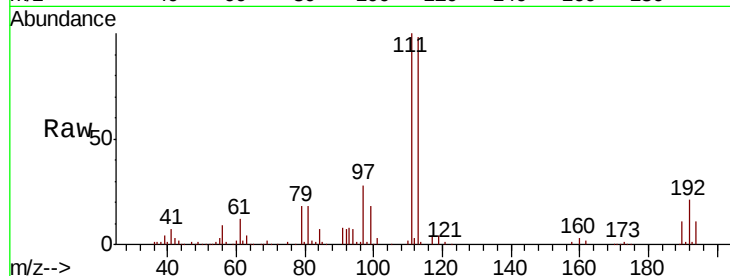




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

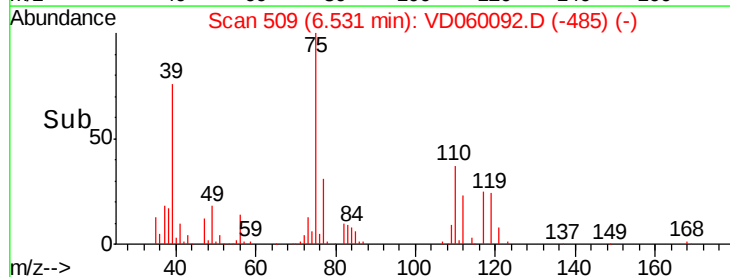
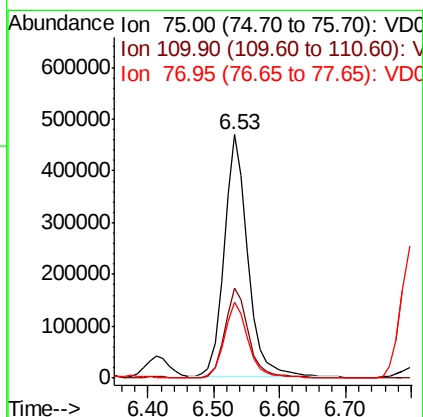
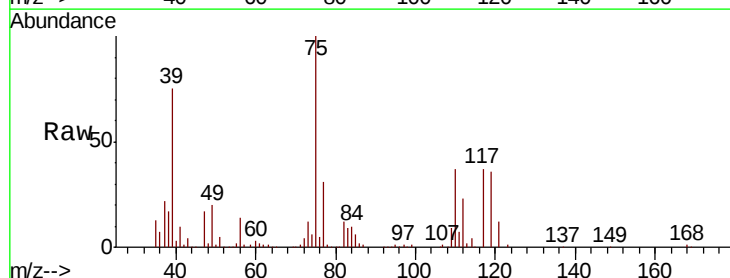
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

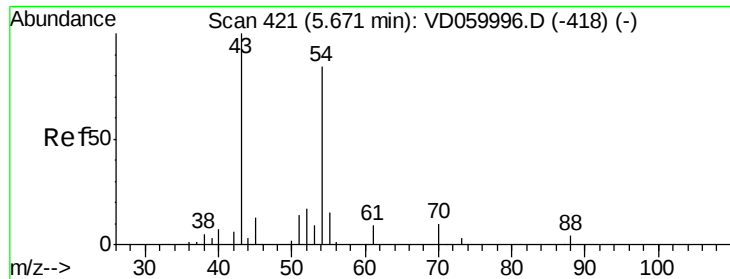
Tot Ion:113 Resp: 949730
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.3 121.9
 192 21.6 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 49.251 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Tgt Ion: 75 Resp: 1171331
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.9 56.9
 77 30.9 25.3 37.9

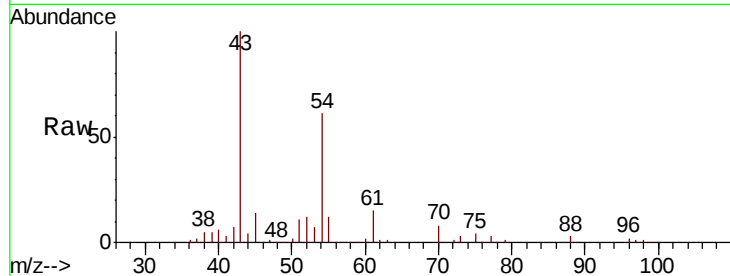




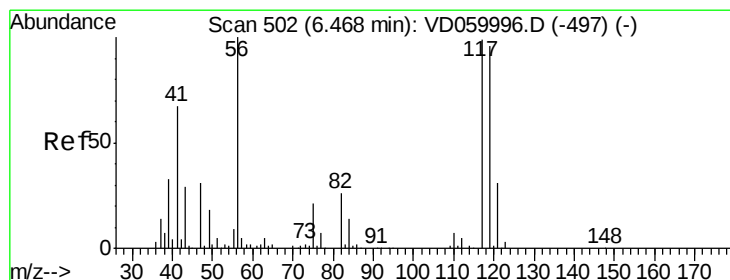
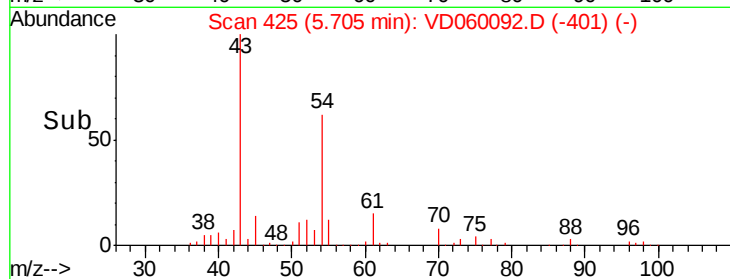
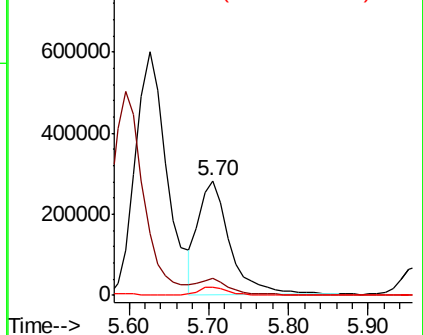
#37
Ethyl Acetate
Concen: 46.366 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 758311
Ion Ratio Lower Upper
43 100
61 14.5 10.2 15.2
70 7.5 6.1 9.1

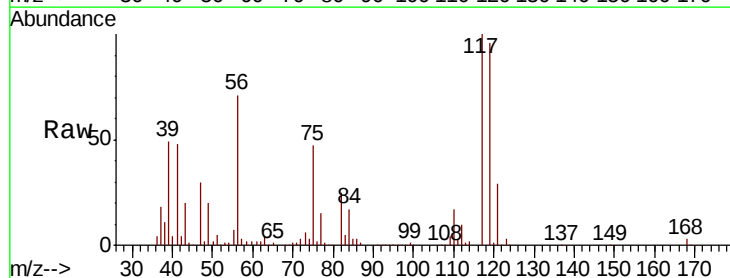


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

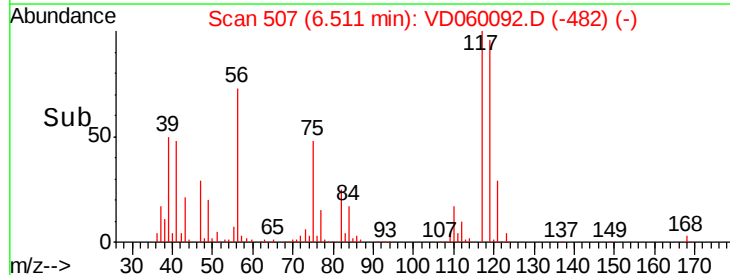
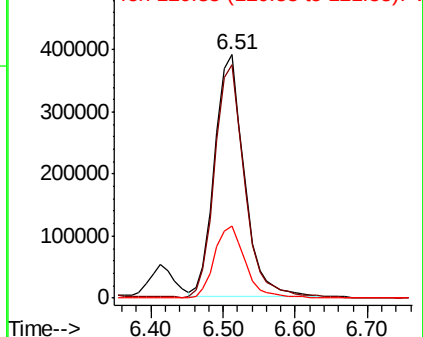


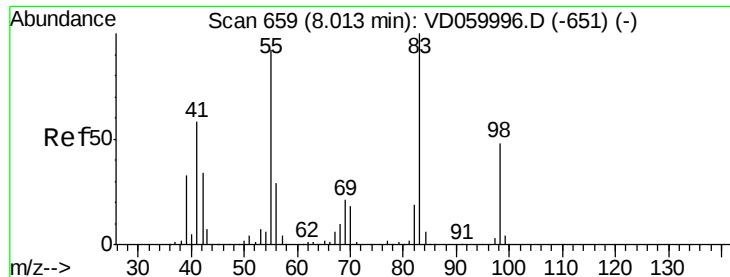
#38
Carbon Tetrachloride
Concen: 50.038 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.04 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 117 Resp: 1110917
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1
121 29.5 24.9 37.3



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

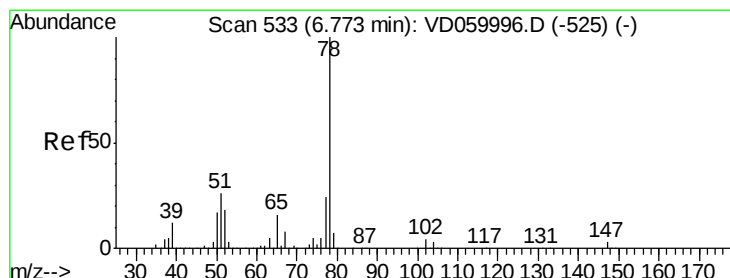
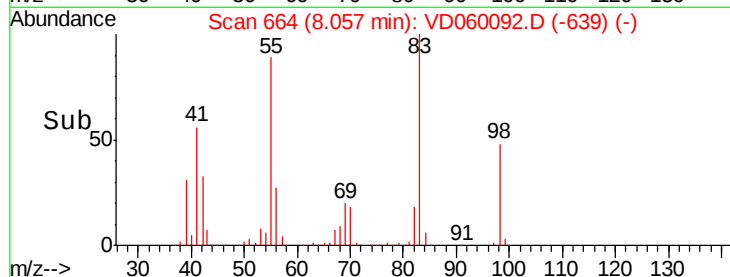
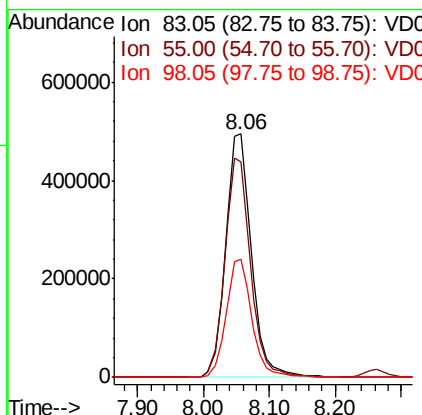
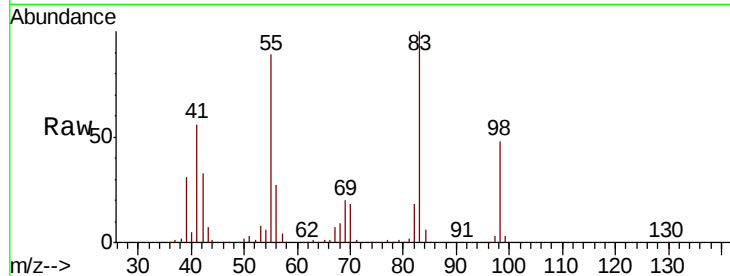




#39
Methvlcvclohexane
Concen: 50.364 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.04 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

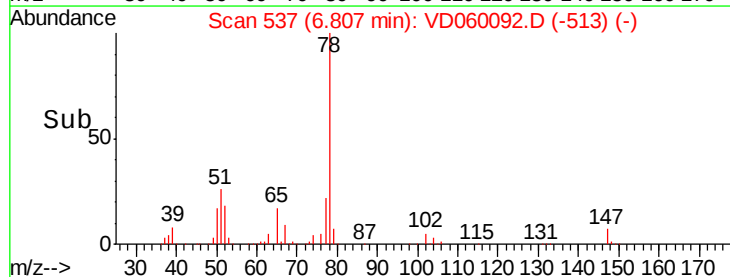
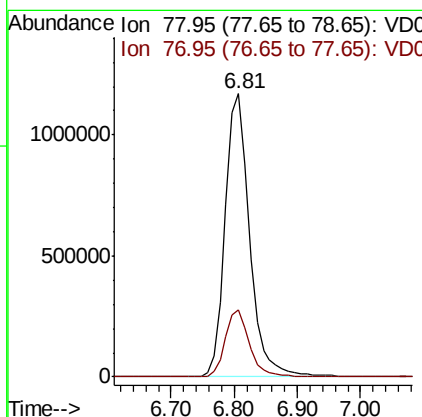
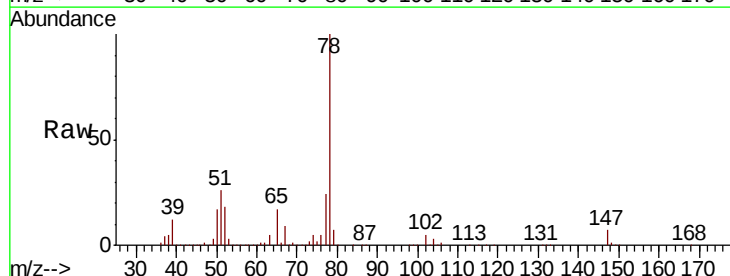
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

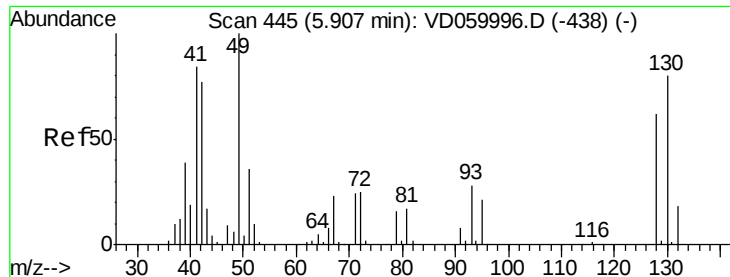
Tot Ion: 83 Resp: 1354987
Ion Ratio Lower Upper
83 100
55 88.5 73.8 110.6
98 48.4 38.1 57.1



#40
Benzene
Concen: 51.990 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 78 Resp: 3151503
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

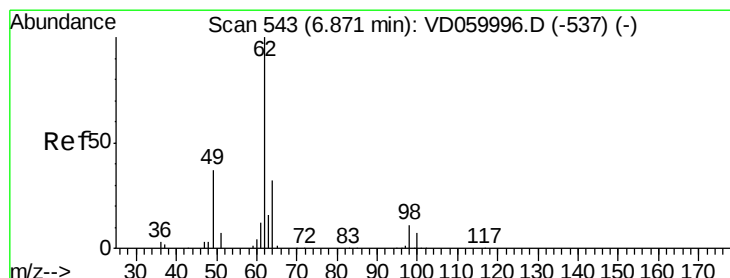
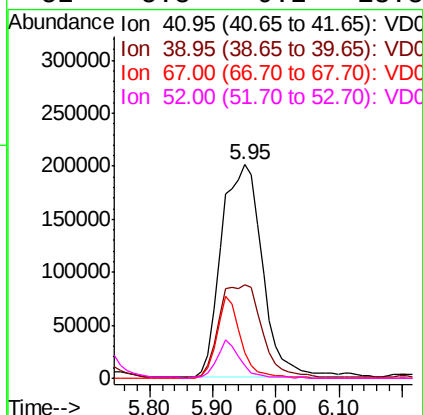
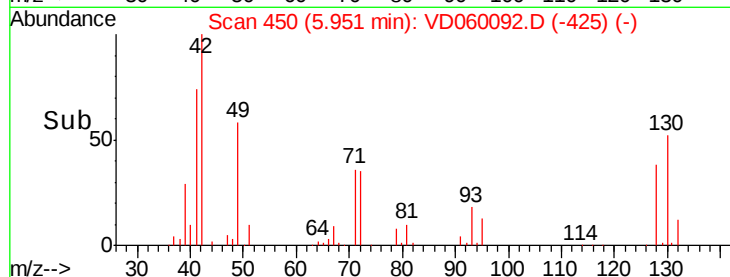
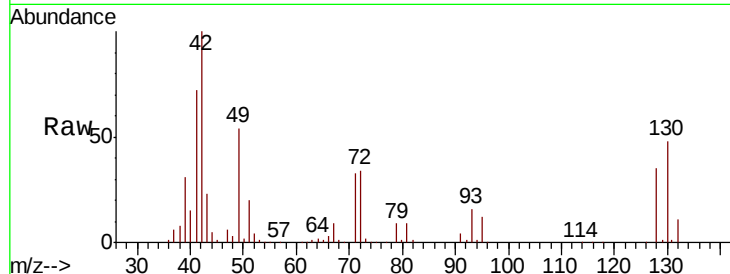




#41
Methacrylonitrile
Concen: 105.945 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.04 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

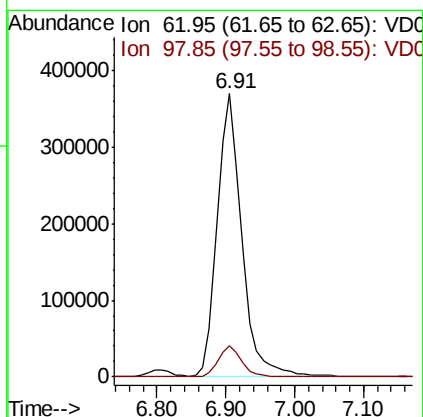
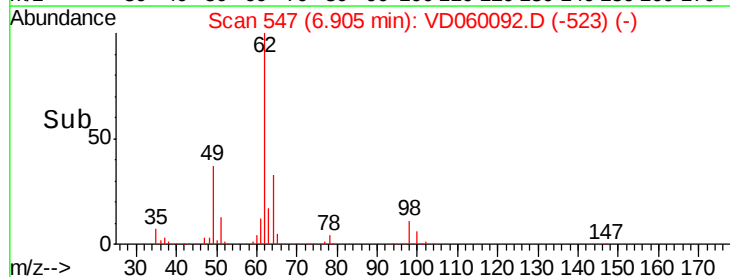
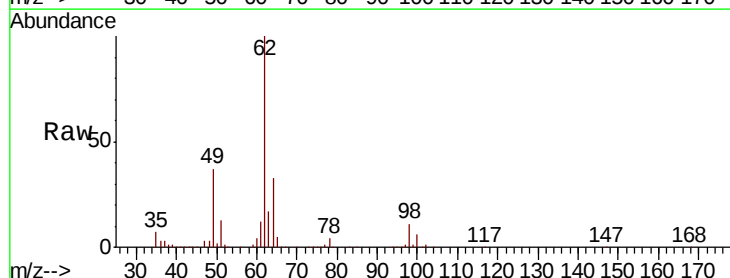
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

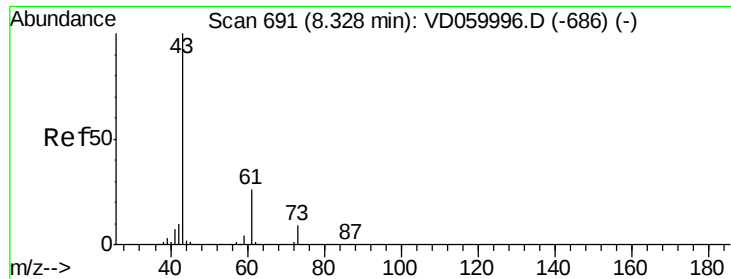
Tot Ion: 41 Resp: 907537
Ion Ratio Lower Upper
41 100
39 43.7 37.5 56.3
67 12.2 21.5 32.3#
52 5.8 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 49.899 ug/l
RT: 6.91 min Scan# 547
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 62 Resp: 908210
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.4





#43

Isopropyl Acetate

Concen: 47.396 ug/l

RT: 8.36 min Scan# 695

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

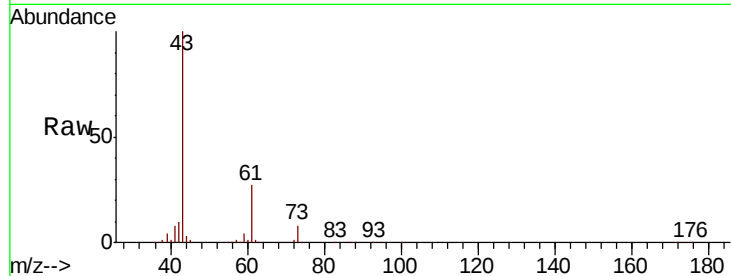
Tot Ion: 43 Resp: 1037877

Ion Ratio Lower Upper

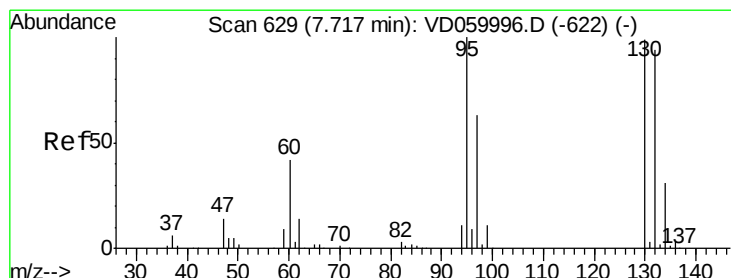
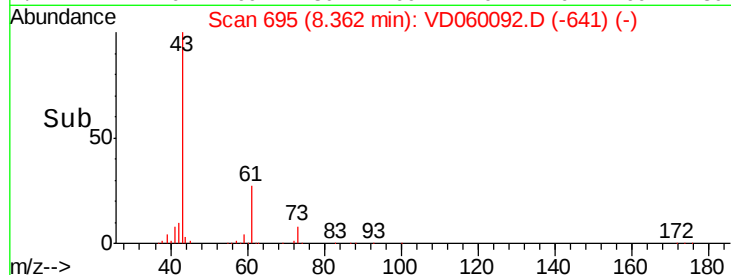
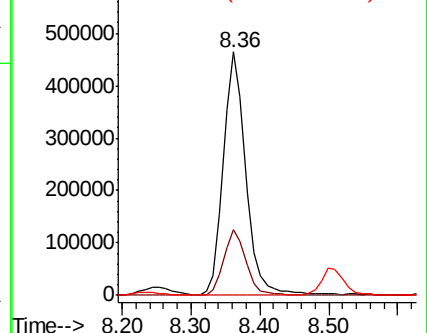
43 100

61 26.9 21.0 31.6

87 0.3 0.2 0.2#



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: 51.857 ug/l

RT: 7.75 min Scan# 633

Delta R.T. 0.03 min

Lab File: VD060092.D

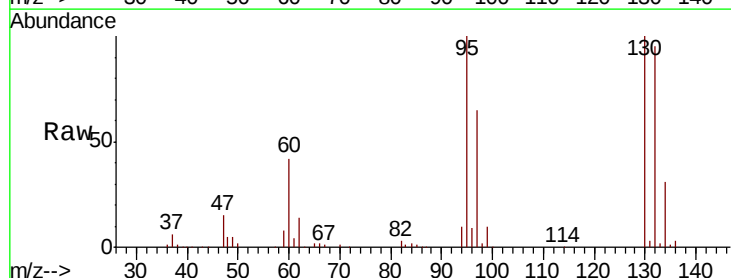
Acq: 28 Sep 2018 12:14

Tgt Ion:130 Resp: 971195

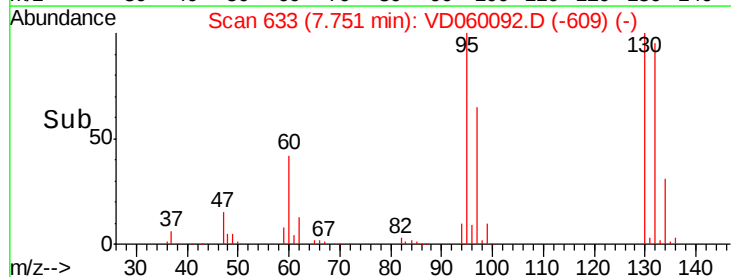
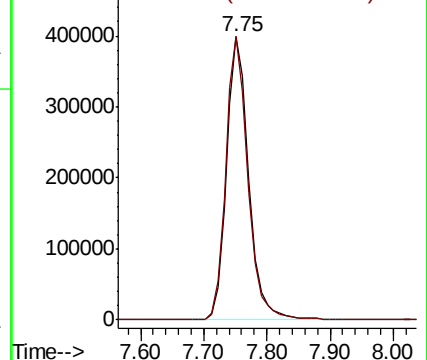
Ion Ratio Lower Upper

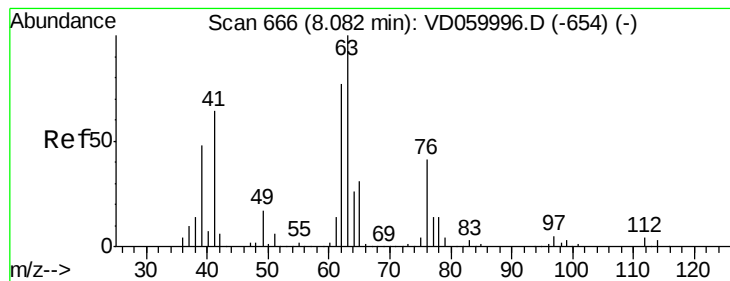
130 100

95 99.9 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 51.542 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

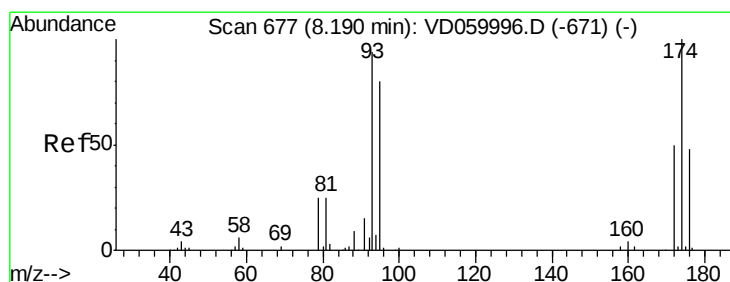
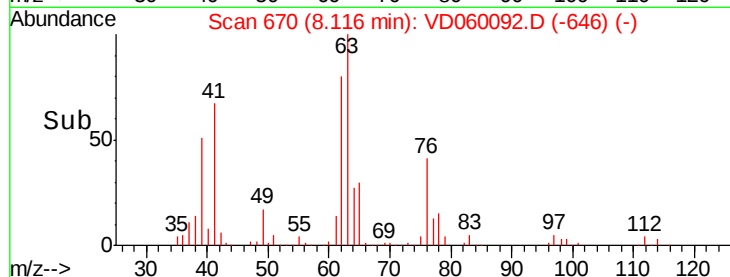
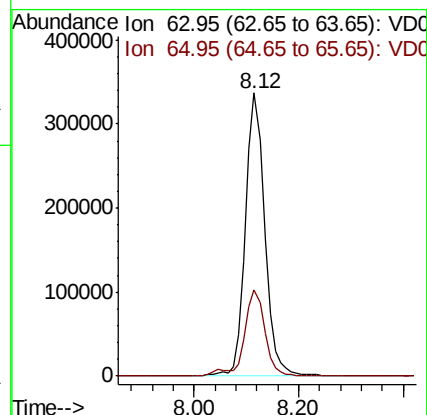
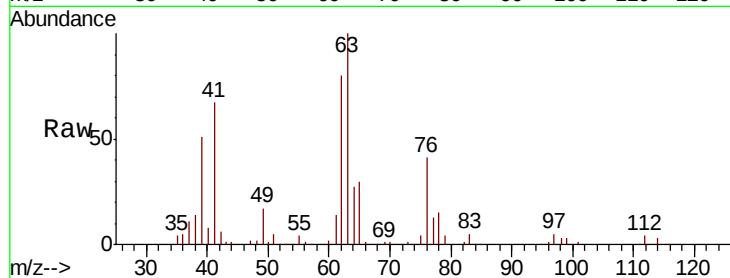
VSTDCCC050

Tot Ion: 63 Resp: 835431

Ion Ratio Lower Upper

63 100

65 30.3 24.6 37.0



#46

Dibromomethane

Concen: 51.200 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.04 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

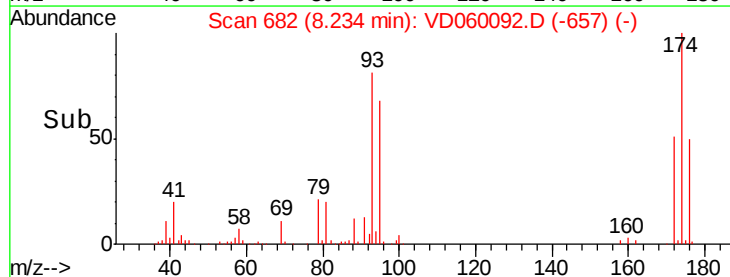
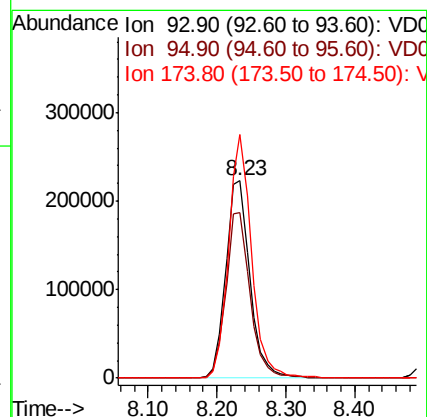
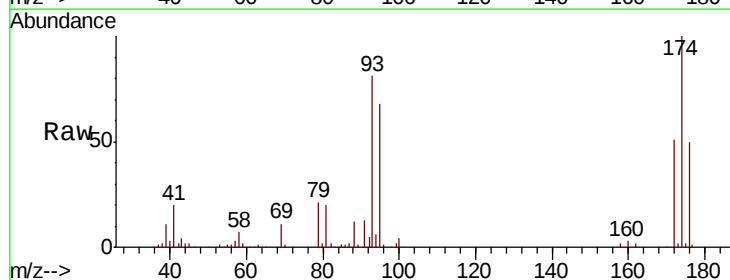
Tgt Ion: 93 Resp: 541484

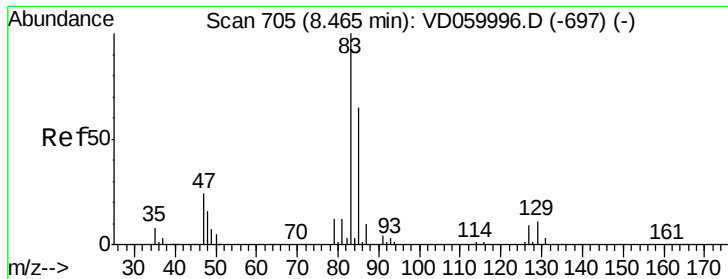
Ion Ratio Lower Upper

93 100

95 83.7 68.0 102.0

174 123.4 85.4 128.2





#47

Bromodichloromethane

Concen: 52.023 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

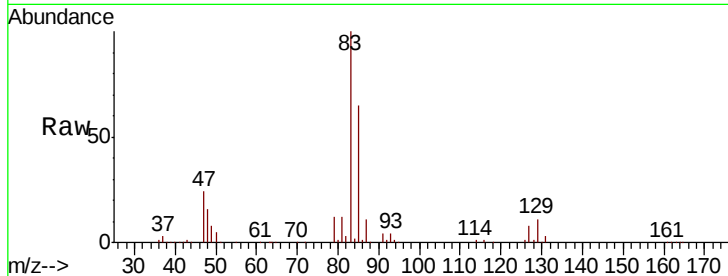
Tot Ion: 83 Resp: 1186207

Ion Ratio Lower Upper

83 100

85 65.3 51.9 77.9

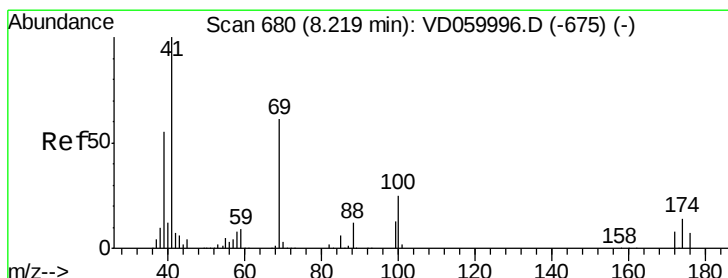
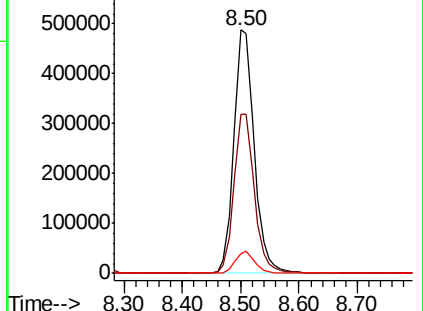
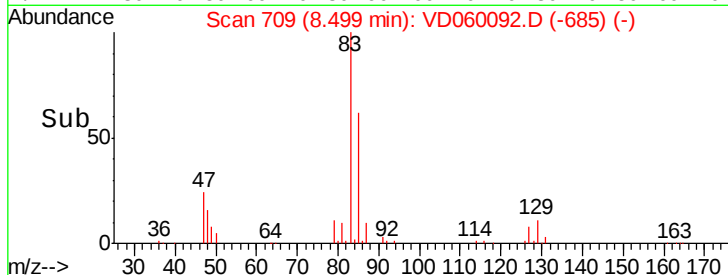
127 8.3 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.793 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.04 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

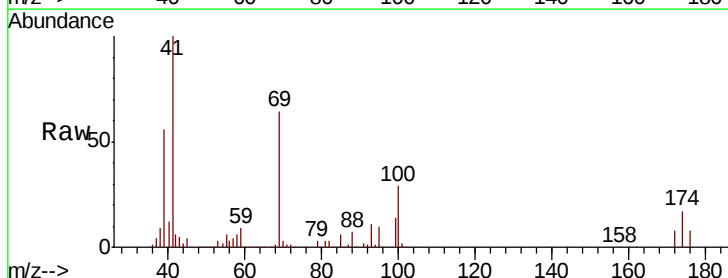
Tgt Ion: 41 Resp: 607270

Ion Ratio Lower Upper

41 100

69 64.1 48.3 72.5

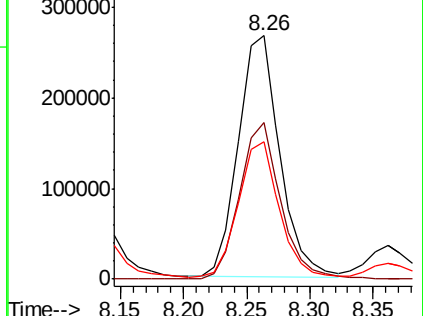
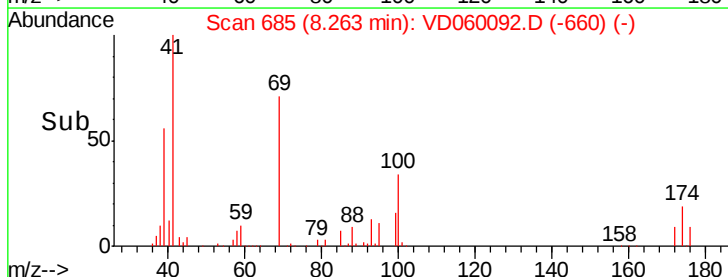
39 56.2 44.1 66.1

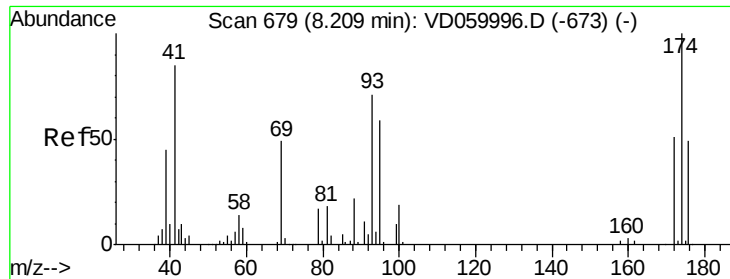


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 940.570 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

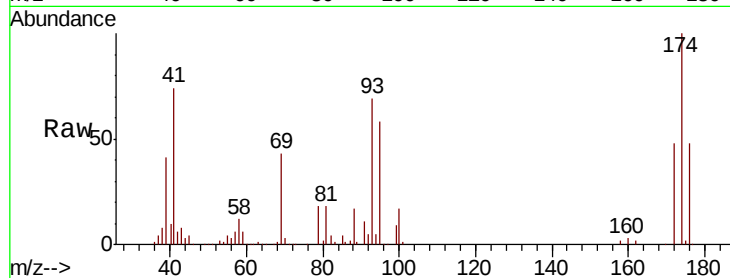
Tot Ion: 88 Resp: 113934

Ion Ratio Lower Upper

88 100

43 44.6 36.2 54.2

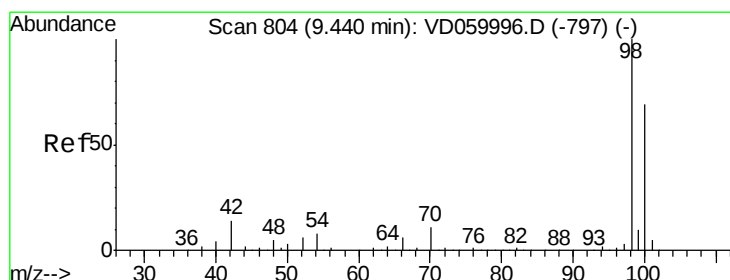
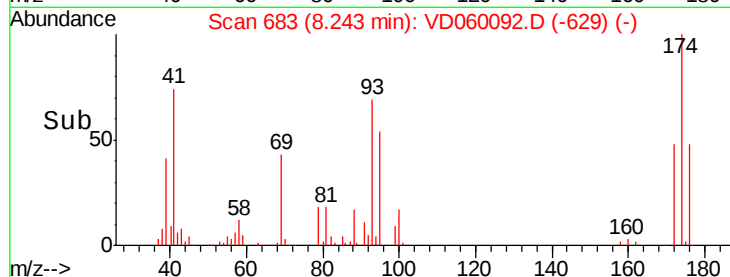
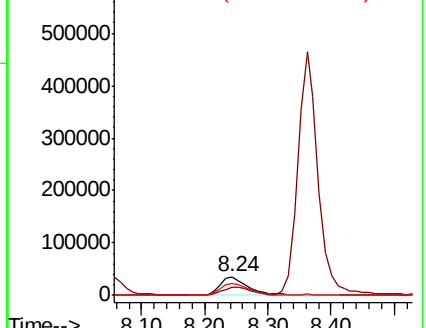
58 67.2 51.0 76.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 940.570 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.03 min

Lab File: VD060092.D

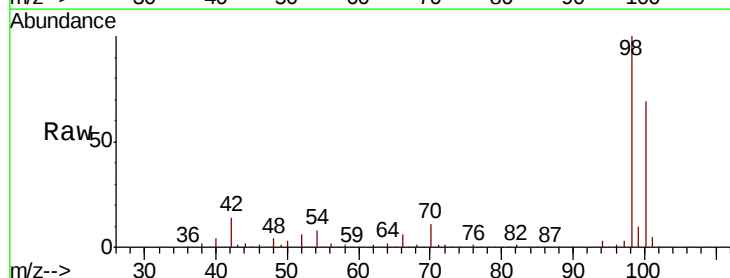
Acq: 28 Sep 2018 12:14

Tgt Ion: 98 Resp: 2622780

Ion Ratio Lower Upper

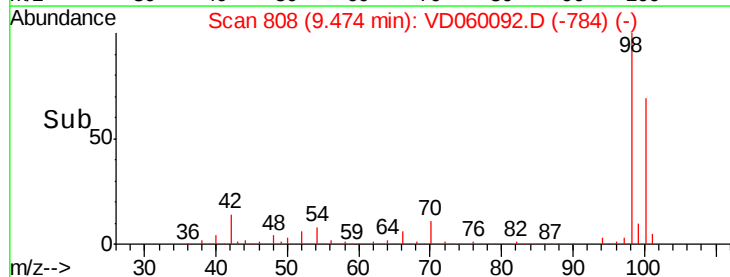
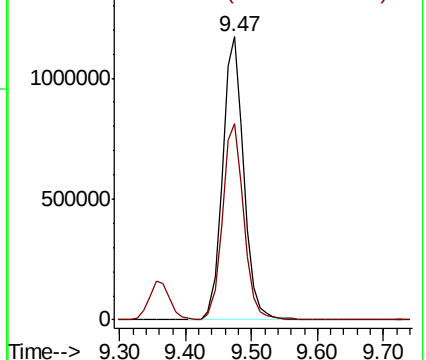
98 100

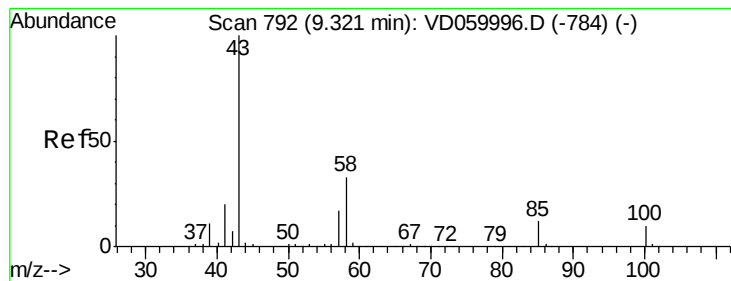
100 69.3 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 228.683 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

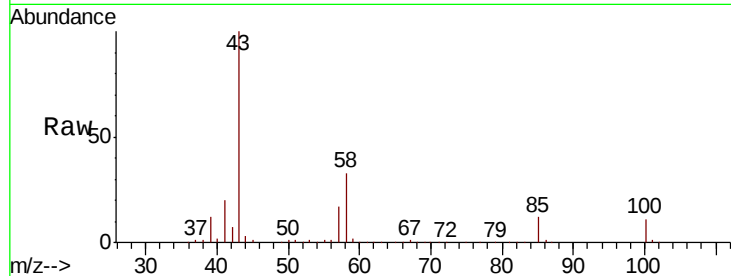
VSTDCCC050

Tot Ion: 43 Resp: 3335682

Ion Ratio Lower Upper

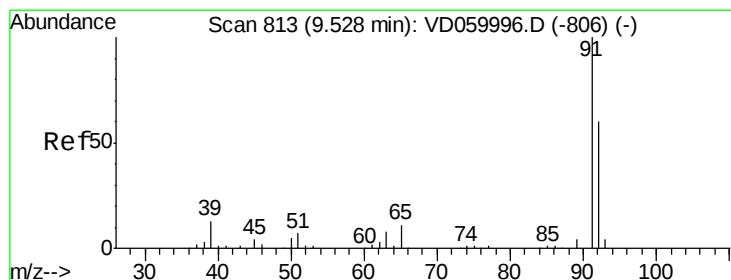
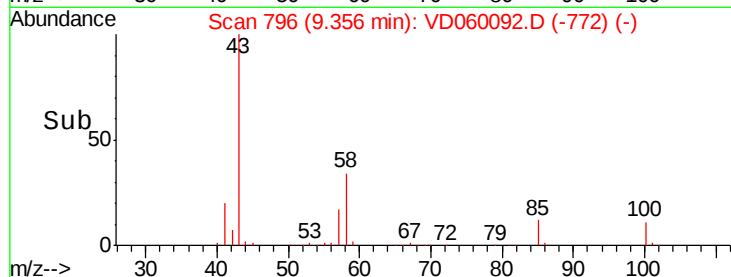
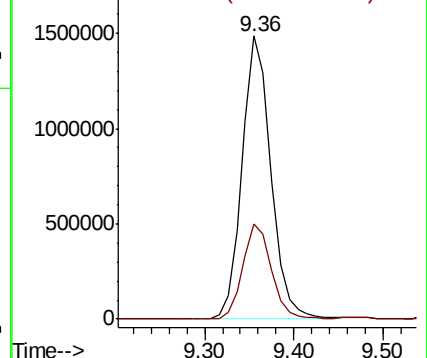
43 100

58 33.5 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.277 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.03 min

Lab File: VD060092.D

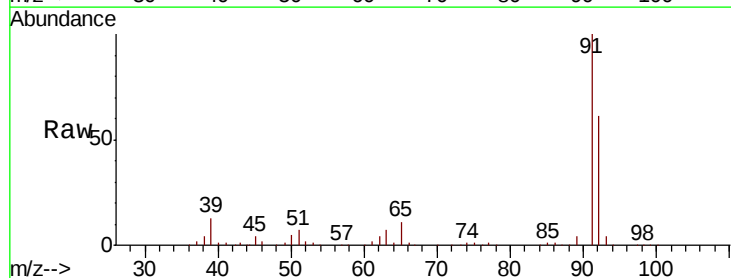
Acq: 28 Sep 2018 12:14

Tgt Ion: 92 Resp: 1992345

Ion Ratio Lower Upper

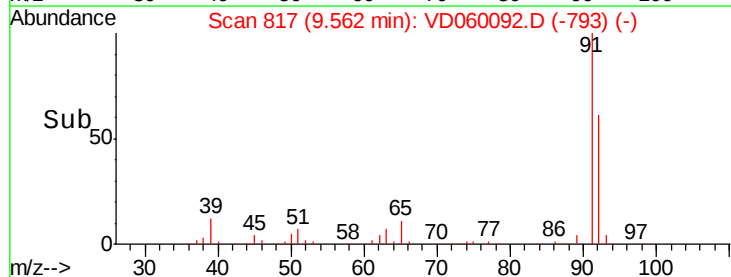
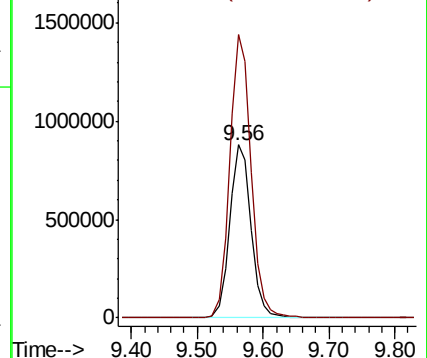
92 100

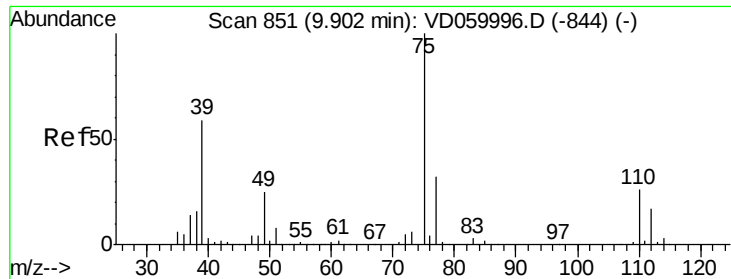
91 163.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

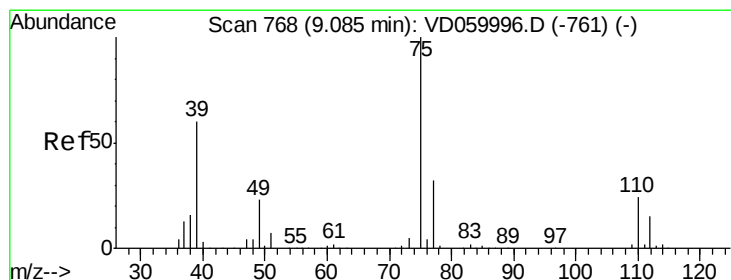
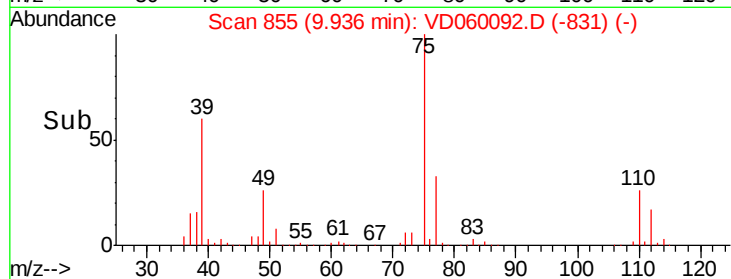
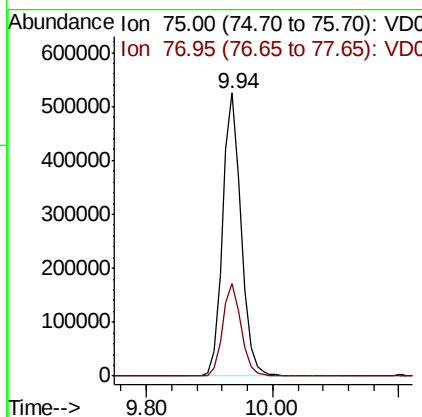
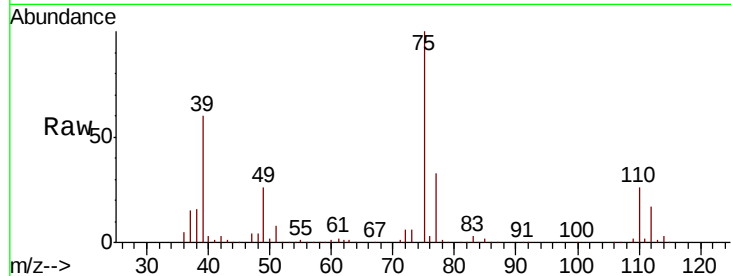




#53
 t-1,3-Dichloropropene
 Concen: 50.434 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

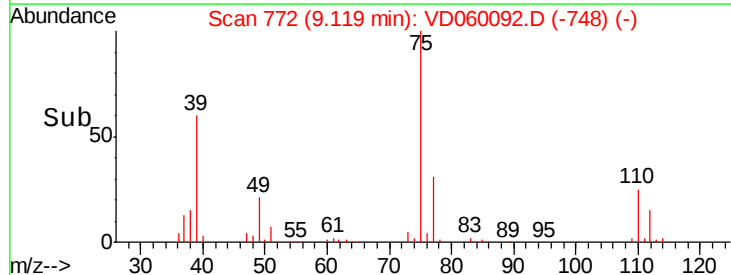
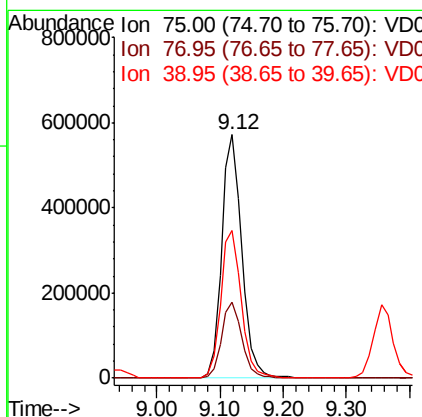
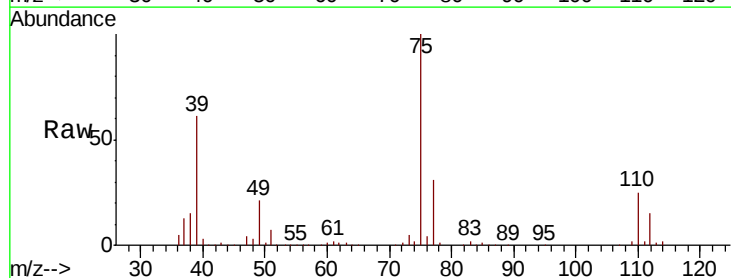
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

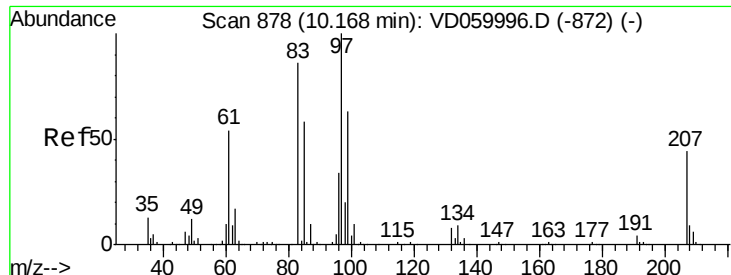
Tot Ion: 75 Resp: 1072536
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 50.127 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Tgt Ion: 75 Resp: 1273672
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 60.7 48.0 72.0

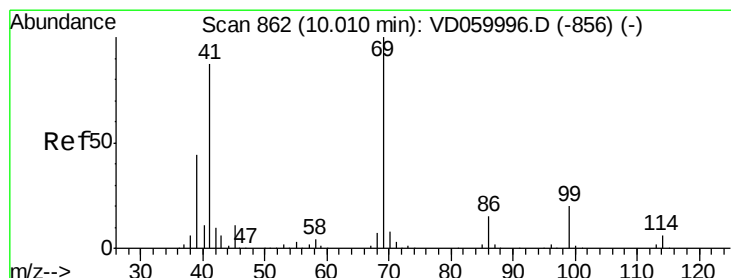
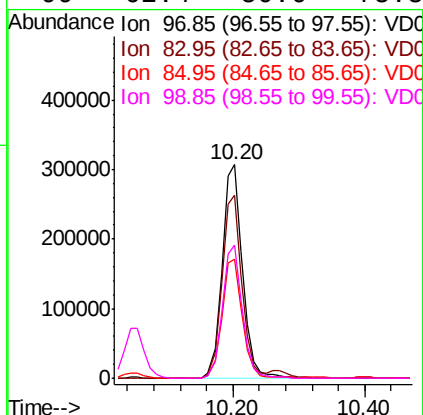
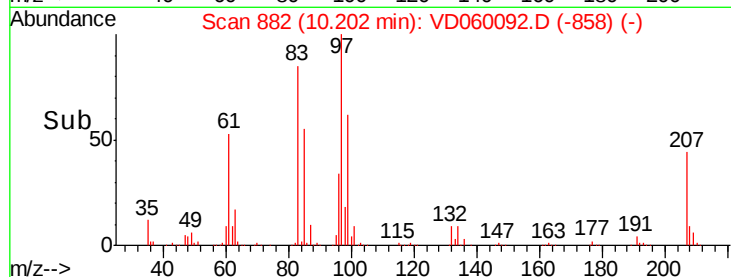
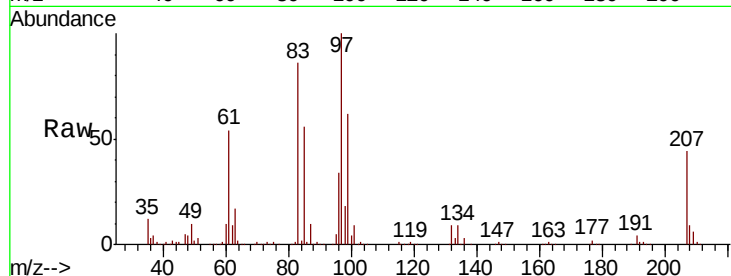




#55
 1,1,2-Trichloroethane
 Concen: 48.666 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

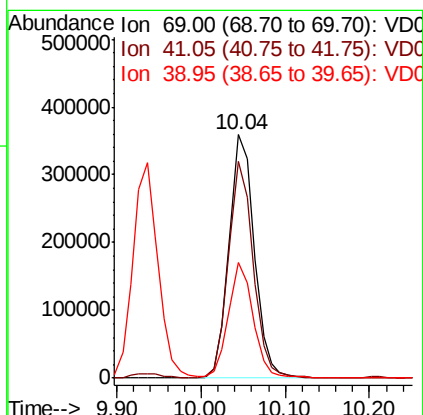
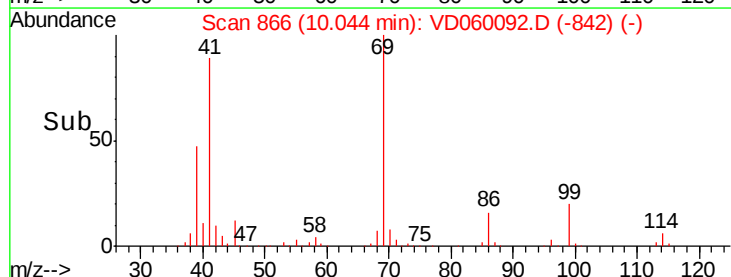
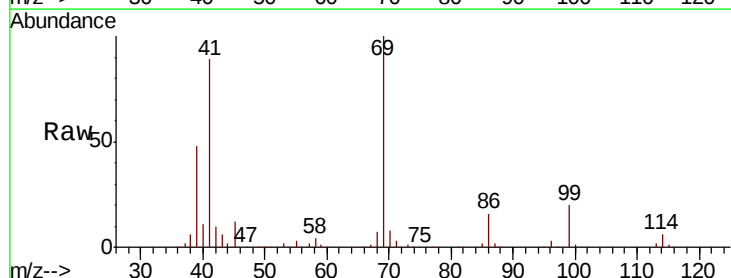
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

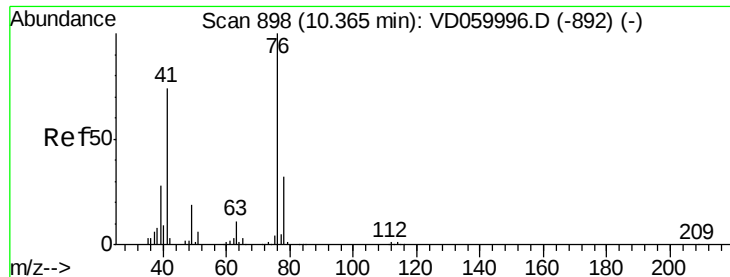
Tot Ion: 97 Resp: 656529
 Ion Ratio Lower Upper
 97 100
 83 85.6 69.1 103.7
 85 55.6 46.2 69.4
 99 62.4 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 50.376 ug/l
 RT: 10.04 min Scan# 866
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Tgt Ion: 69 Resp: 753784
 Ion Ratio Lower Upper
 69 100
 41 88.8 70.1 105.1
 39 47.5 36.5 54.7





#57

1,3-Dichloropropane

Concen: 51.228 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

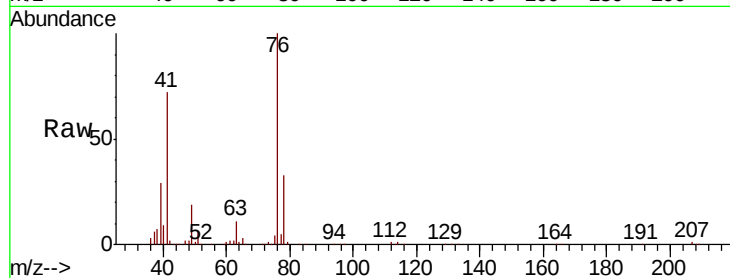
VSTDCCC050

Tot Ion: 76 Resp: 1020111

Ion Ratio Lower Upper

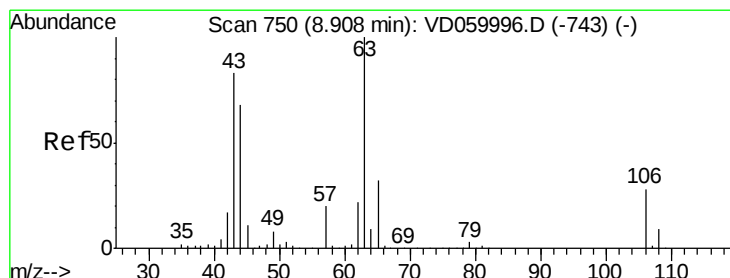
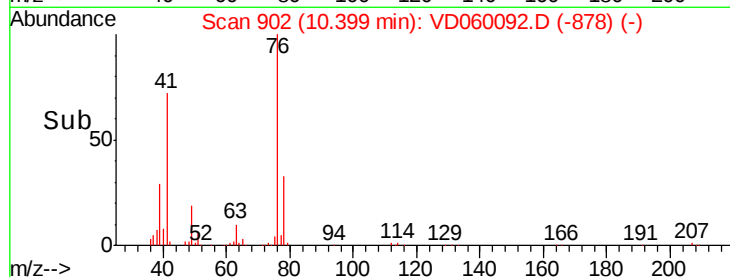
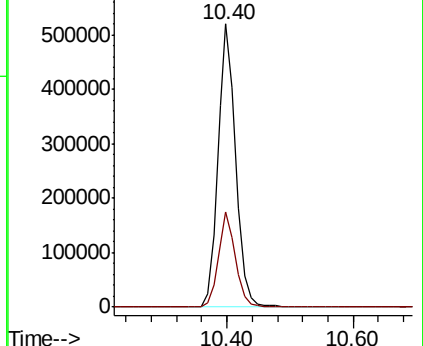
76 100

78 33.5 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 267.200 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.03 min

Lab File: VD060092.D

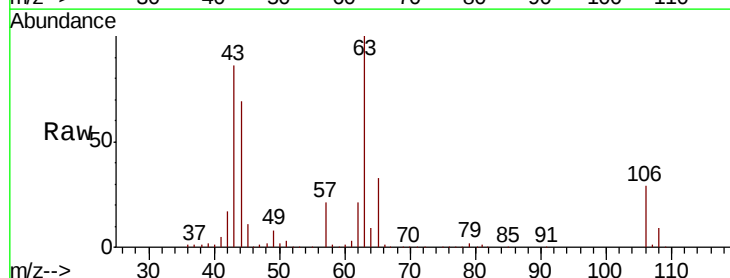
Acq: 28 Sep 2018 12:14

Tgt Ion: 63 Resp: 1930691

Ion Ratio Lower Upper

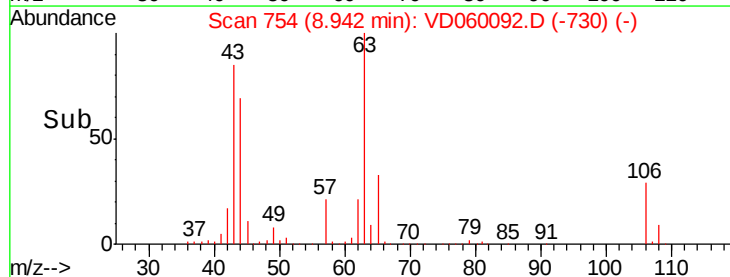
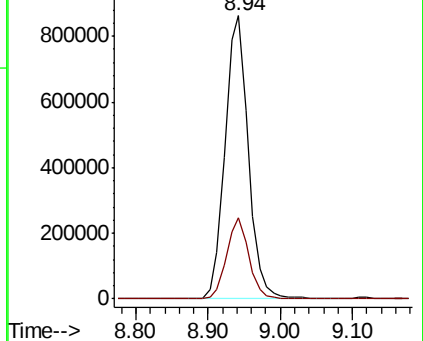
63 100

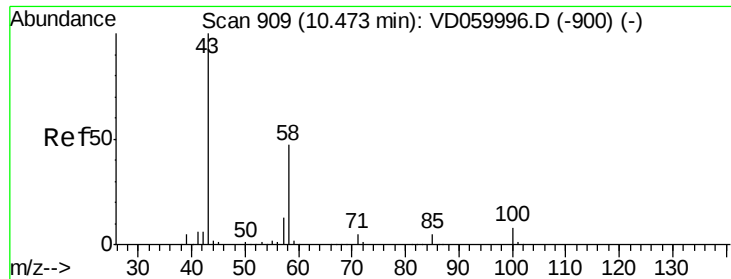
106 28.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

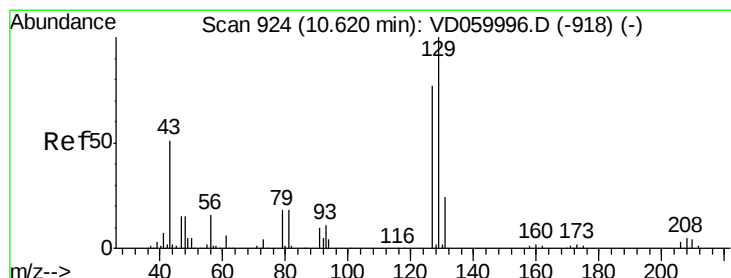
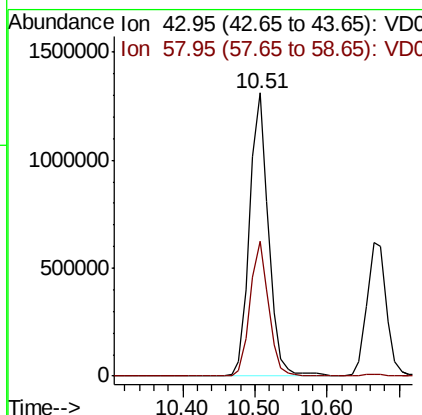
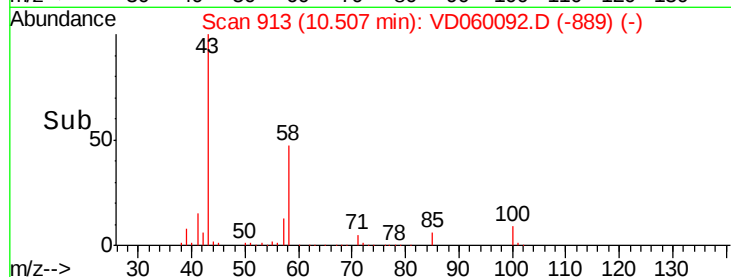
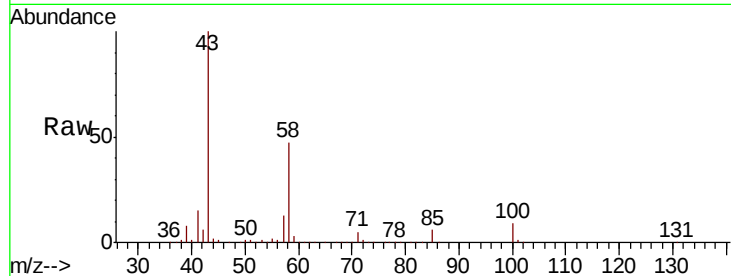




#59
2-Hexanone
Concen: 232.043 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

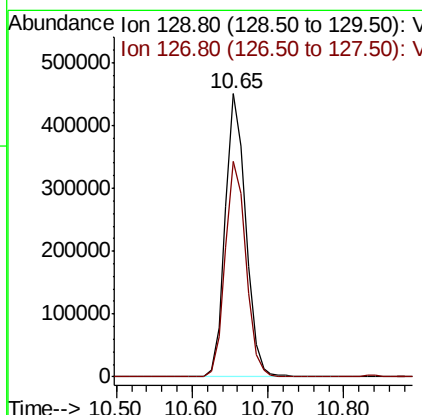
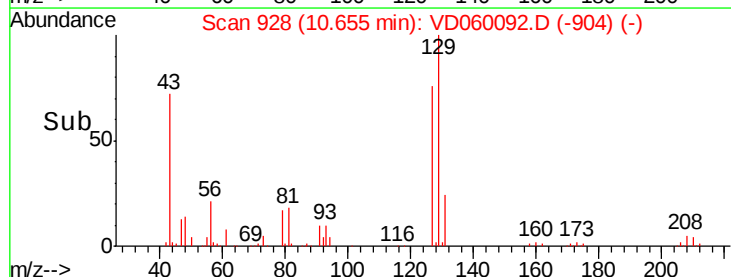
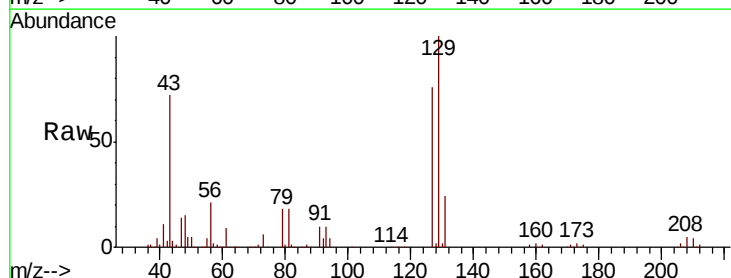
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

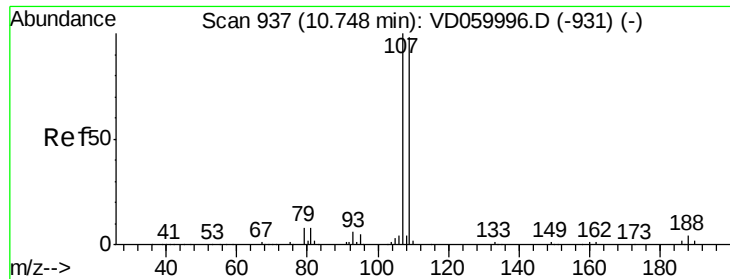
Tot Ion: 43 Resp: 2415262
Ion Ratio Lower Upper
43 100
58 47.5 23.4 70.0



#60
Dibromochloromethane
Concen: 51.658 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 129 Resp: 848225
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0

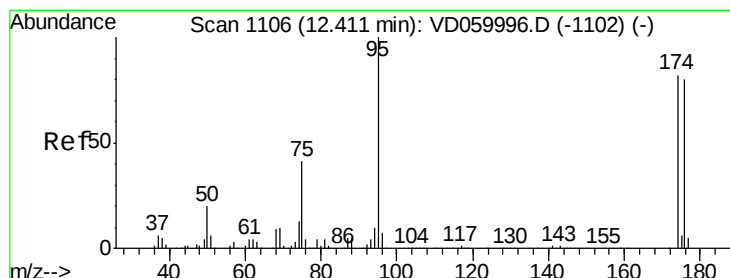
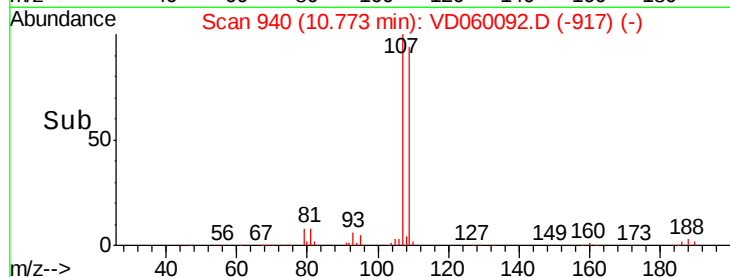
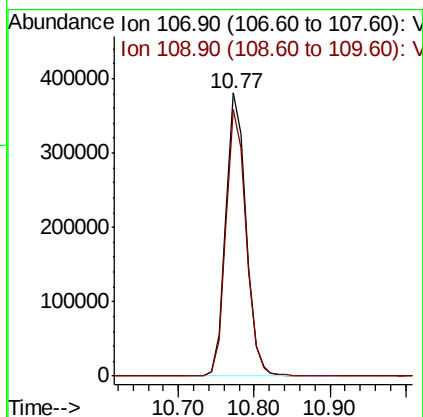
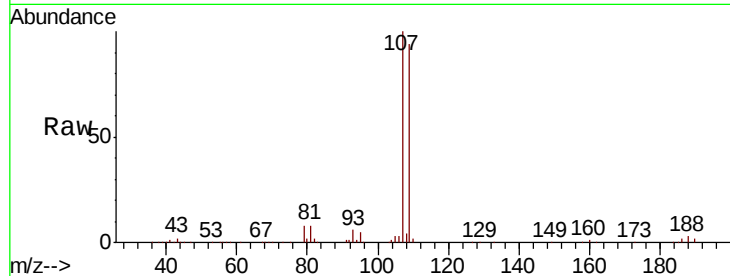




#61
 1,2-Dibromoethane
 Concen: 50.640 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.02 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

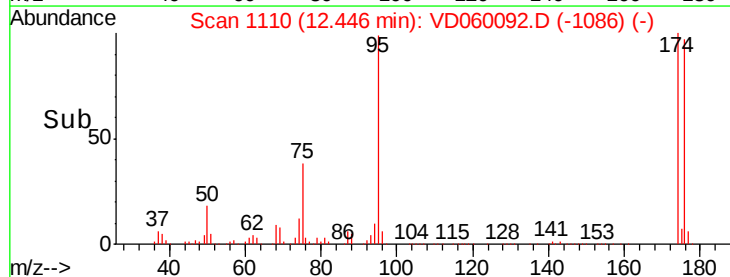
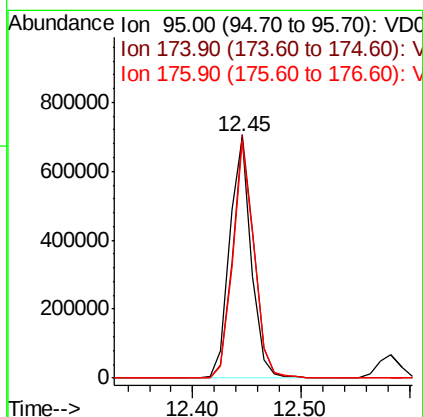
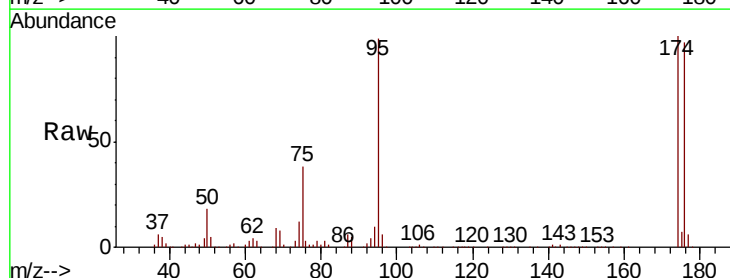
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 705349
 Ion Ratio Lower Upper
 107 100
 109 94.5 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 50.640 ug/l
 RT: 12.45 min Scan# 1110
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Tgt Ion: 95 Resp: 973632
 Ion Ratio Lower Upper
 95 100
 174 100.7 0.0 165.0
 176 98.0 0.0 160.2

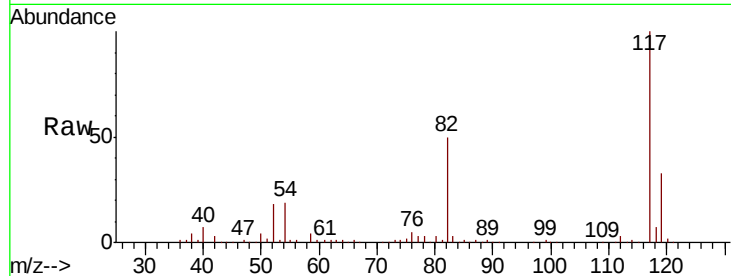




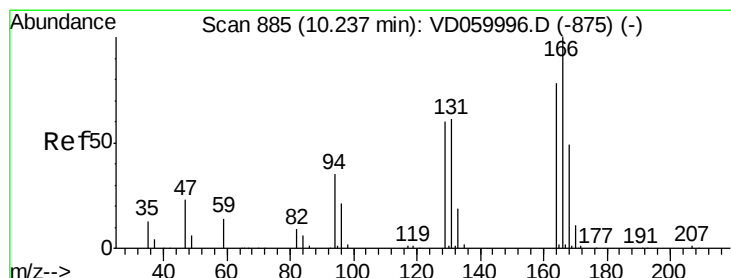
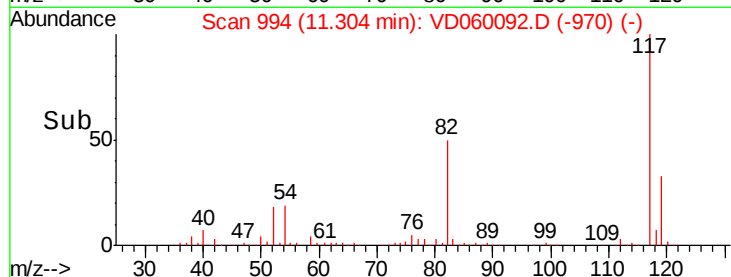
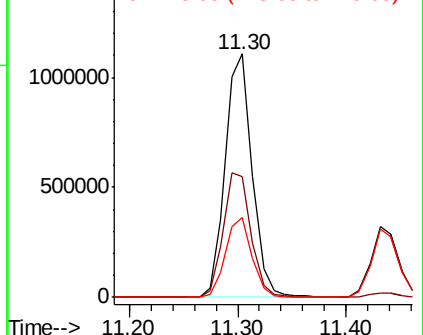
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1915159
Ion Ratio Lower Upper
117 100
82 49.8 41.7 62.5
119 32.8 26.0 39.0

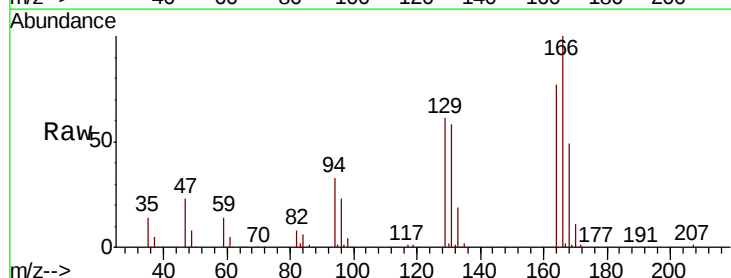


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

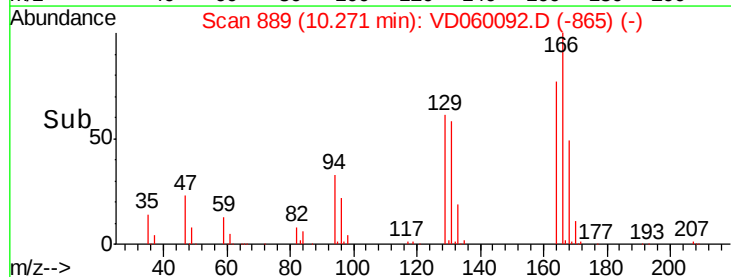
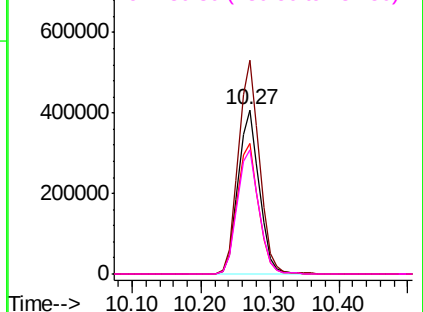


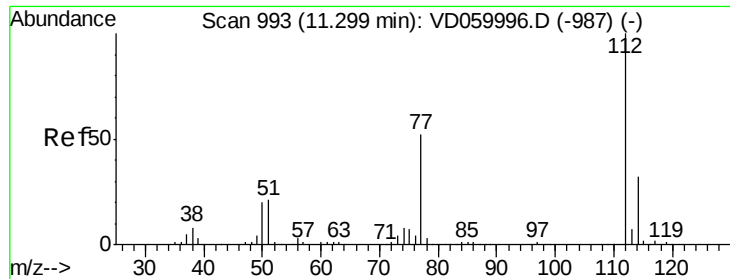
#64
Tetrachloroethene
Concen: 51.340 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion:164 Resp: 867513
Ion Ratio Lower Upper
164 100
166 129.9 103.0 154.6
129 79.7 61.9 92.9
131 75.1 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
800000 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

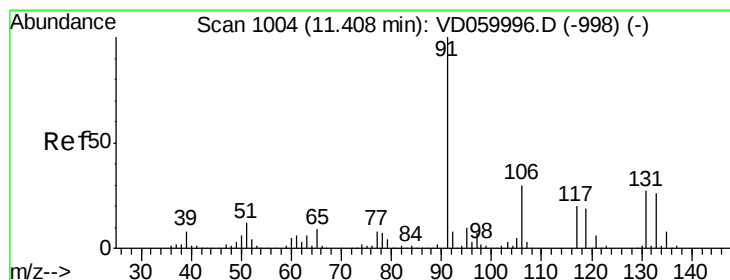
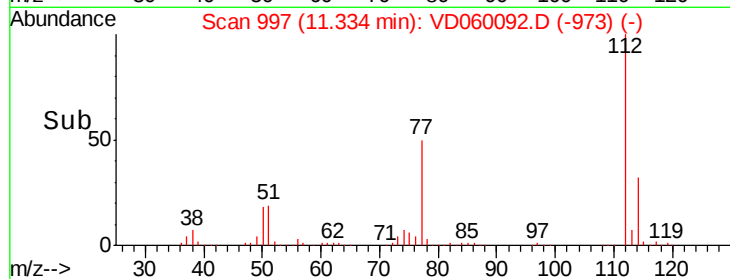
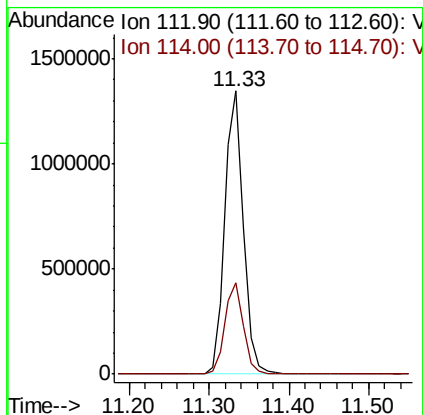
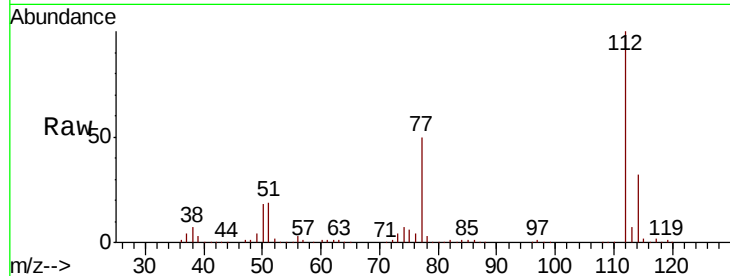




#65
Chlorobenzene
Concen: 53.831 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

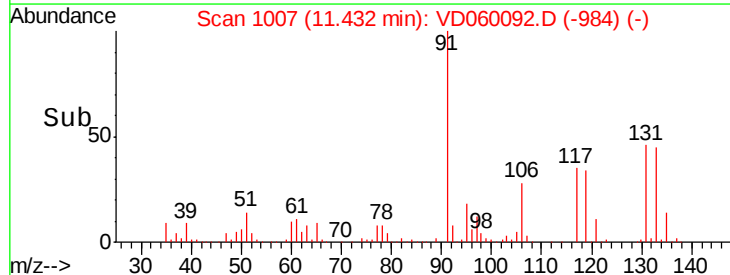
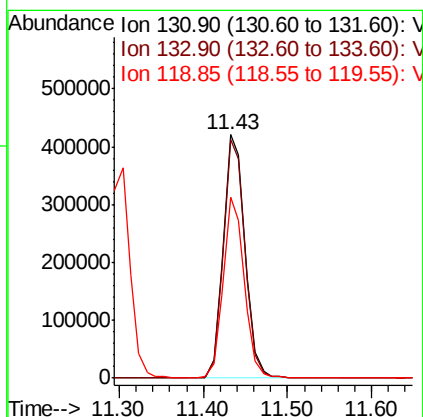
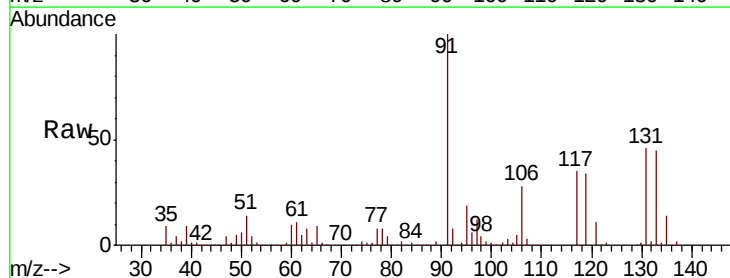
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2216486
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.884 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion:131 Resp: 748318
Ion Ratio Lower Upper
131 100
133 98.0 47.4 142.3
119 74.0 35.6 106.9

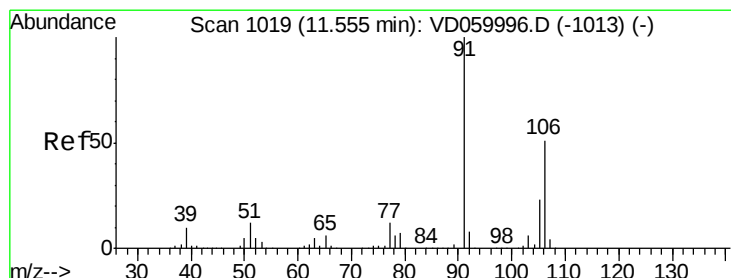
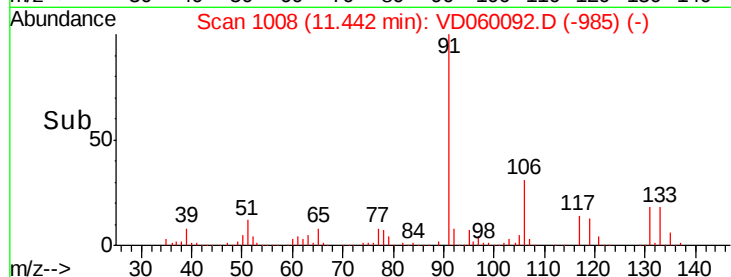
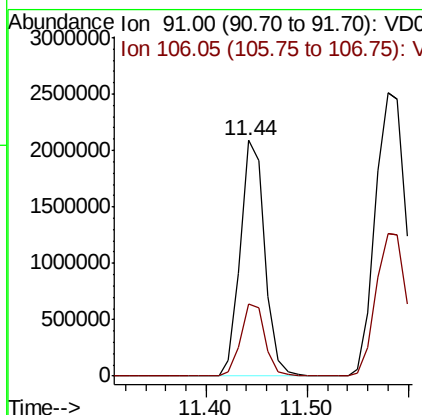
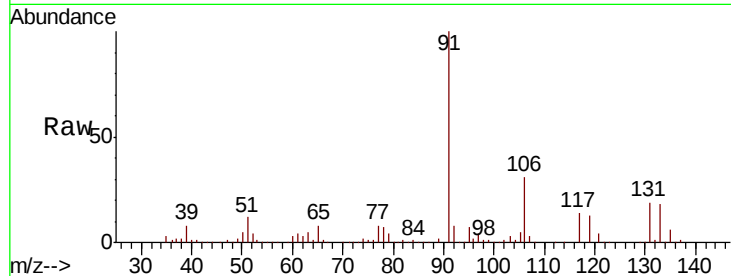




#67
Ethyl Benzene
Concen: 53.264 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

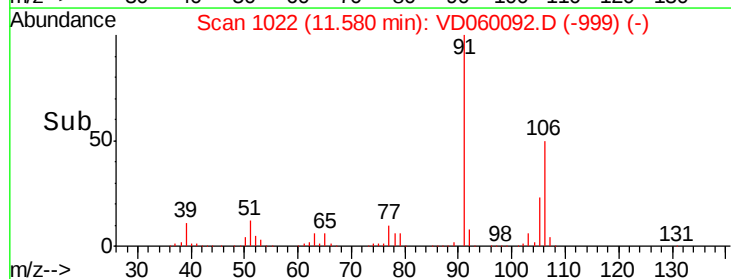
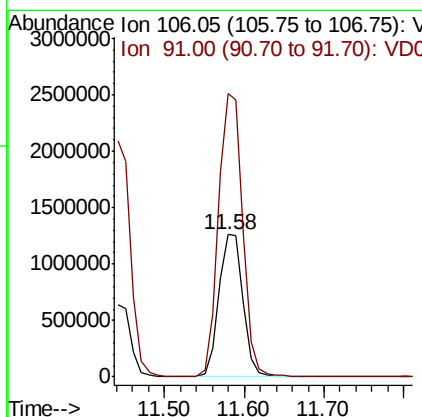
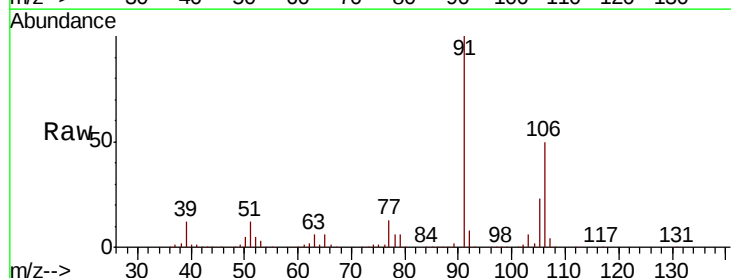
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

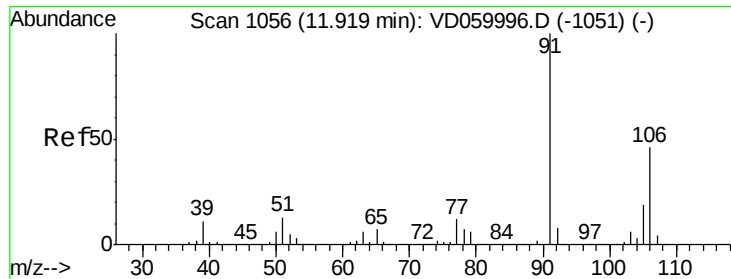
Tot Ion: 91 Resp: 3529380
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2



#68
m/p-Xylenes
Concen: 109.608 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 106 Resp: 2682326
Ion Ratio Lower Upper
106 100
91 198.7 157.0 235.6

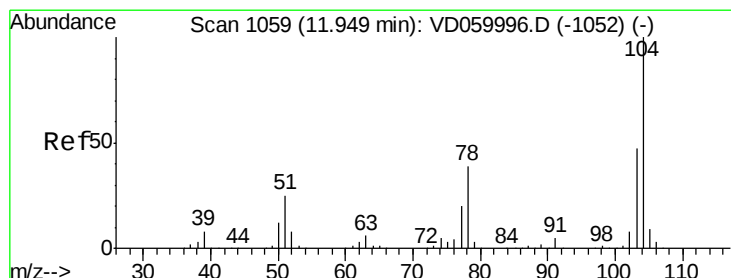
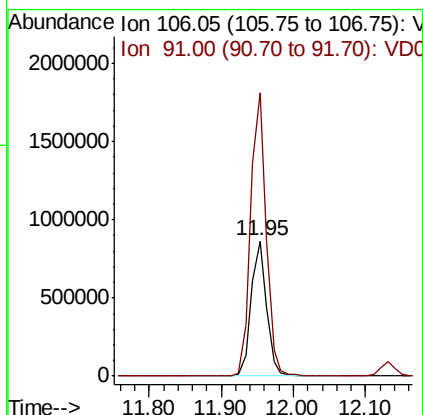
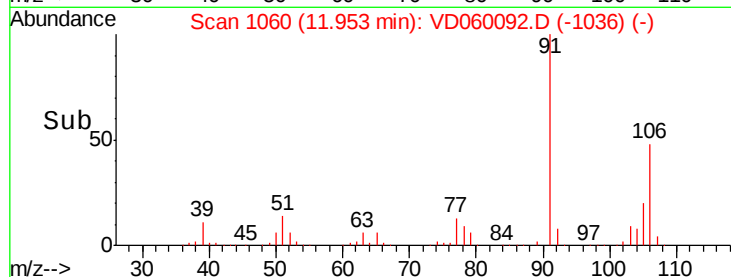
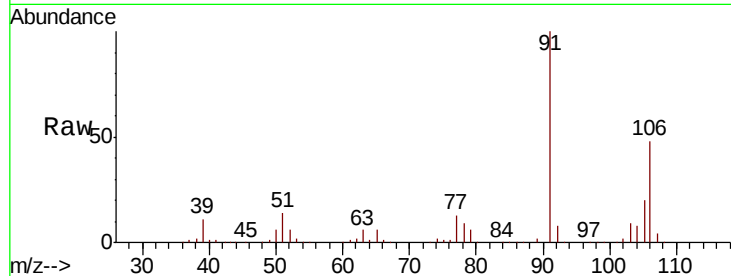




#69
o-Xylene
Concen: 53.355 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

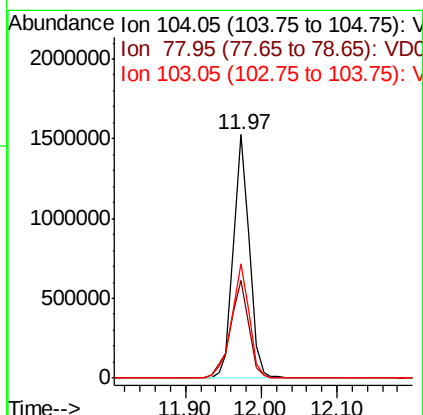
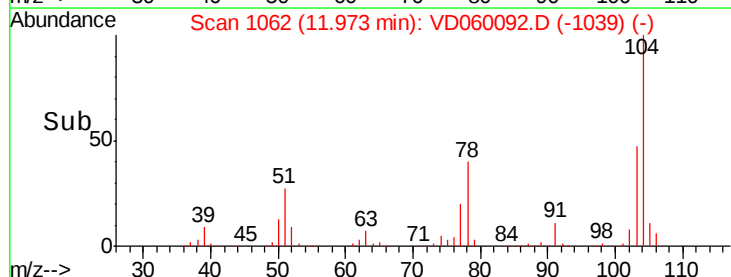
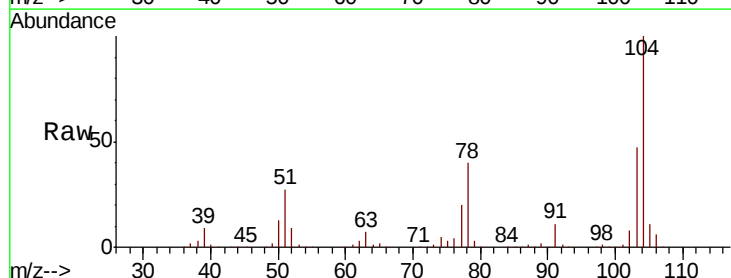
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

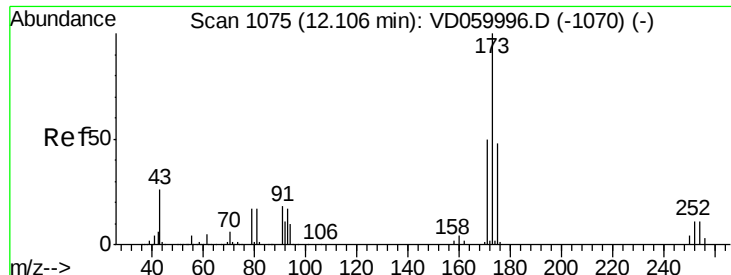
Tot Ion:106 Resp: 1293753
Ion Ratio Lower Upper
106 100
91 209.5 107.7 323.1



#70
Styrene
Concen: 53.961 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion:104 Resp: 2200055
Ion Ratio Lower Upper
104 100
78 40.2 31.0 46.4
103 46.9 37.6 56.4





#71

Bromoform

Concen: 51.698 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

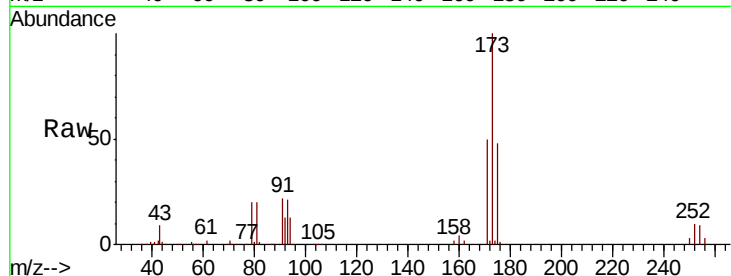
Tot Ion:173 Resp: 616853

Ion Ratio Lower Upper

173 100

175 48.4 24.0 72.0

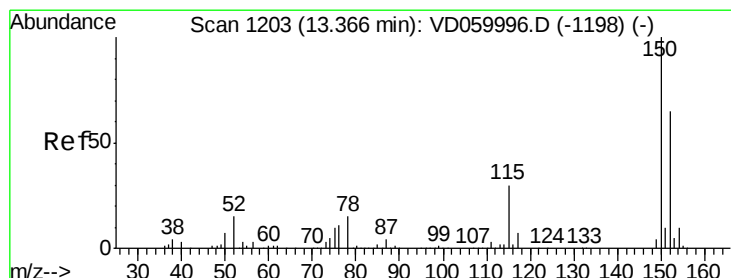
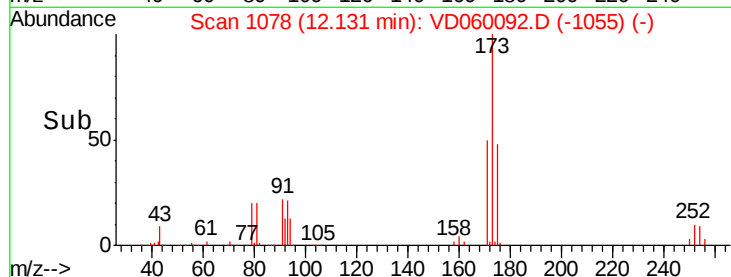
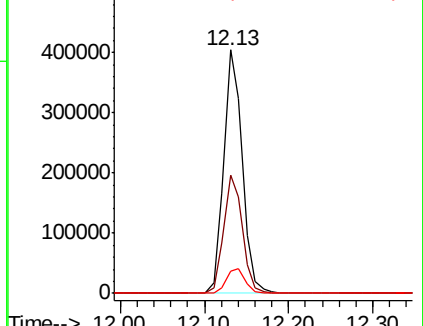
254 9.3 8.6 13.0



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: 13.39 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

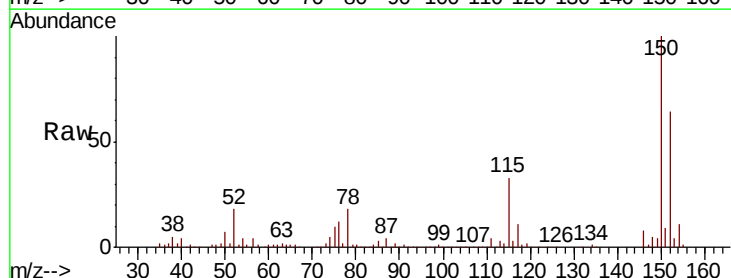
Tgt Ion:152 Resp: 982915

Ion Ratio Lower Upper

152 100

115 51.7 24.6 73.8

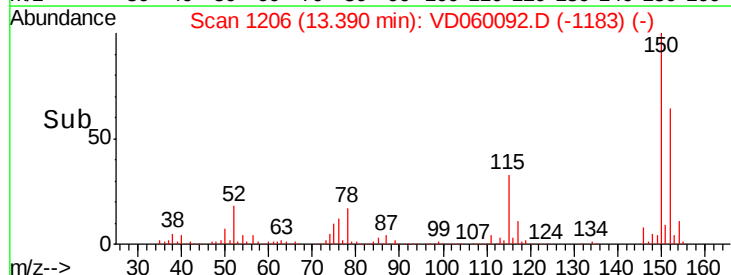
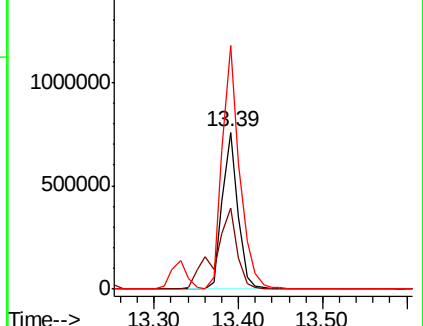
150 155.4 0.0 313.4

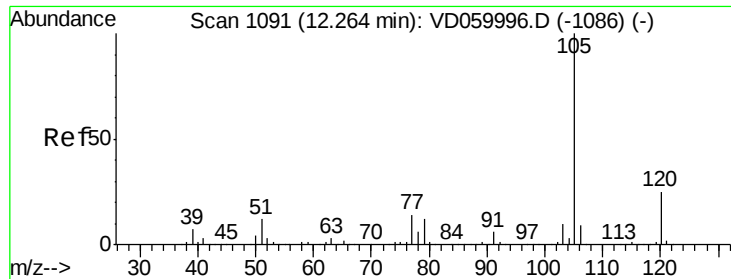


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.087 ug/l

RT: 12.30 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

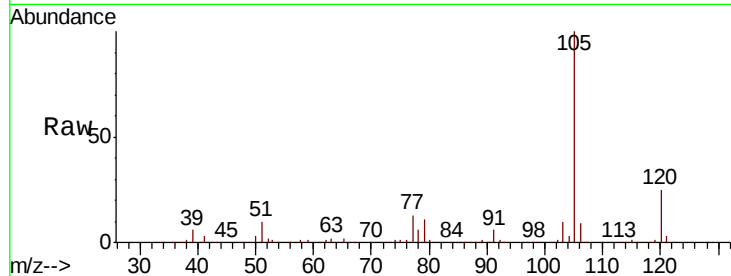
VSTDCCC050

Tot Ion:105 Resp: 3486655

Ion Ratio Lower Upper

105 100

120 25.4 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

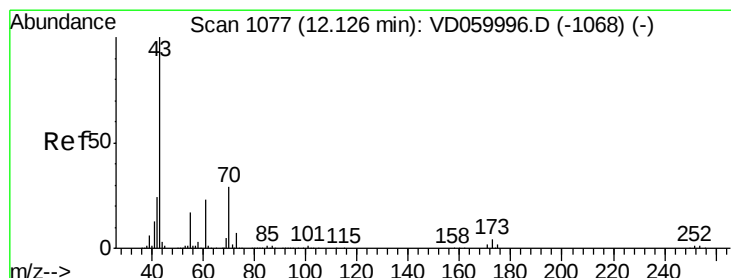
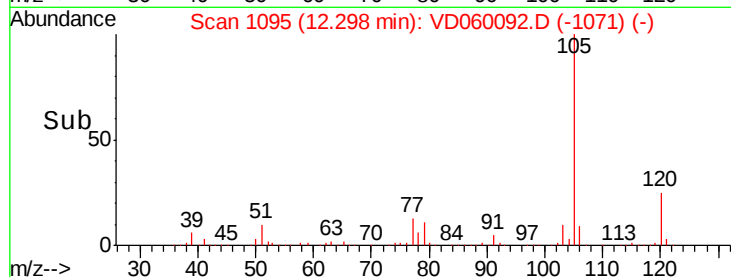
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 50.488 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Tgt Ion: 43 Resp: 1289193

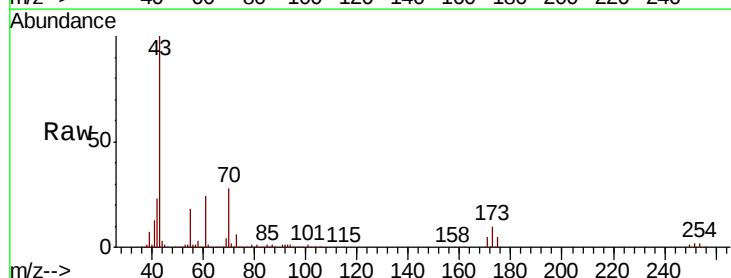
Ion Ratio Lower Upper

43 100

70 28.0 22.9 34.3

55 17.6 14.0 21.0

61 23.6 18.7 28.1



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

1500000

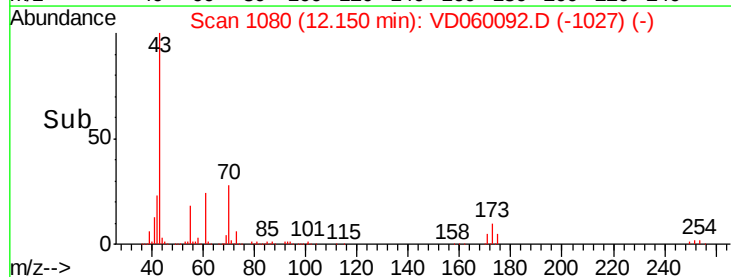
1000000

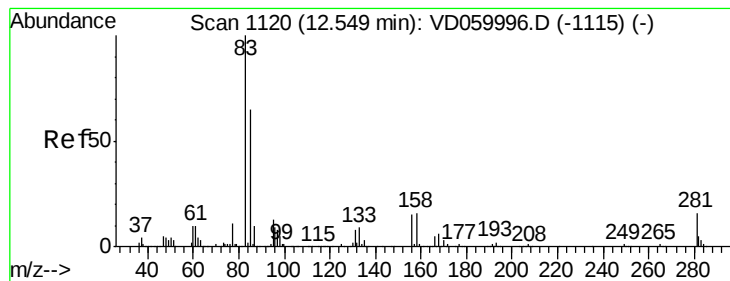
500000

0

12.10 12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.160 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

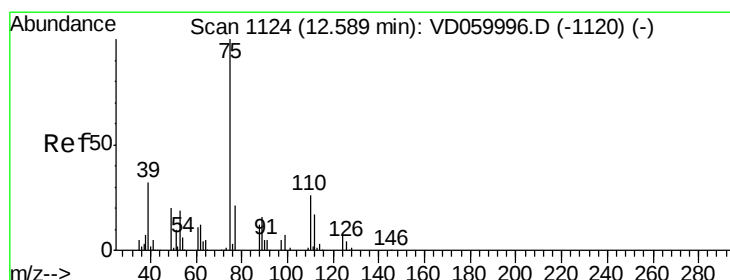
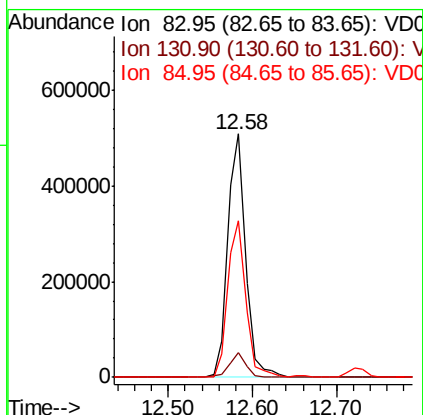
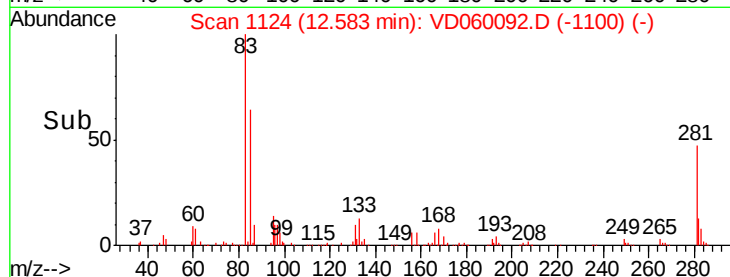
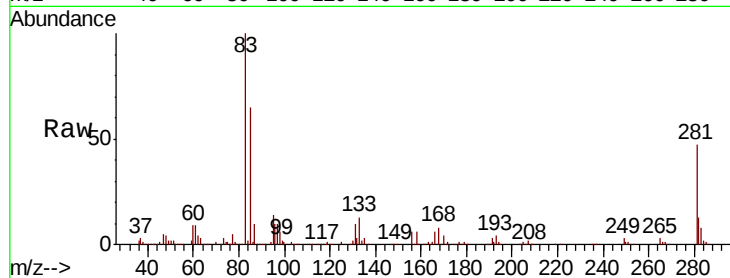
Tot Ion: 83 Resp: 748170

Ion Ratio Lower Upper

83 100

131 9.9 4.1 12.3

85 64.5 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 51.508 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VD060092.D

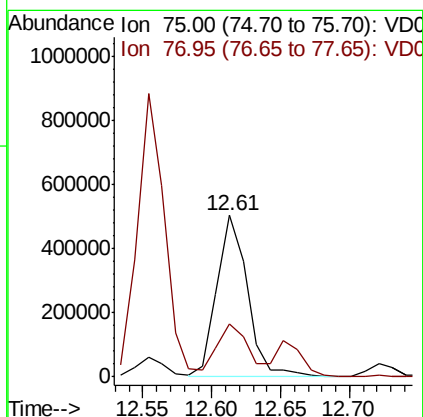
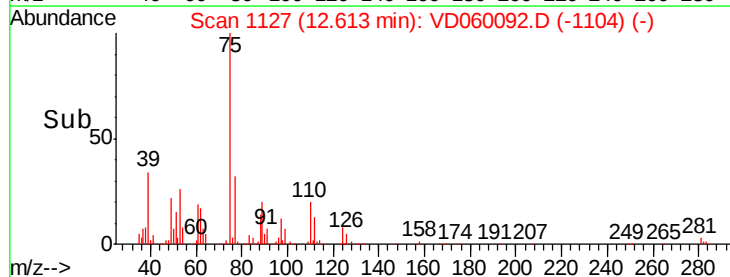
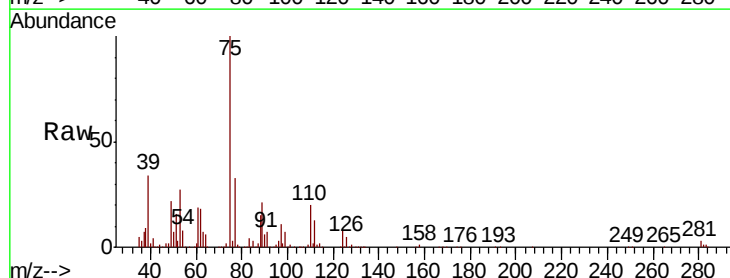
Acq: 28 Sep 2018 12:14

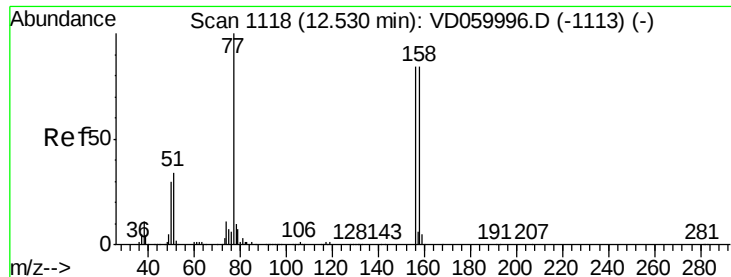
Tgt Ion: 75 Resp: 773232

Ion Ratio Lower Upper

75 100

77 32.6 16.4 49.4





#77

Bromobenzene

Concen: 53.994 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

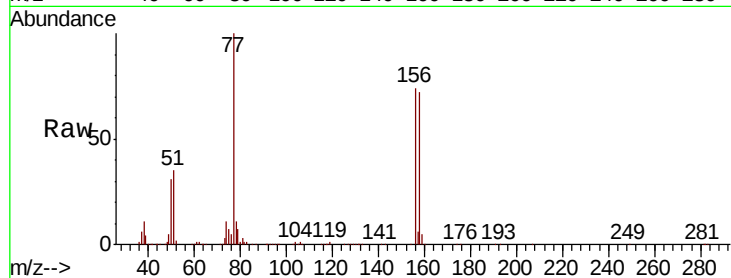
Tot Ion:156 Resp: 1002635

Ion Ratio Lower Upper

156 100

77 134.7 59.5 178.4

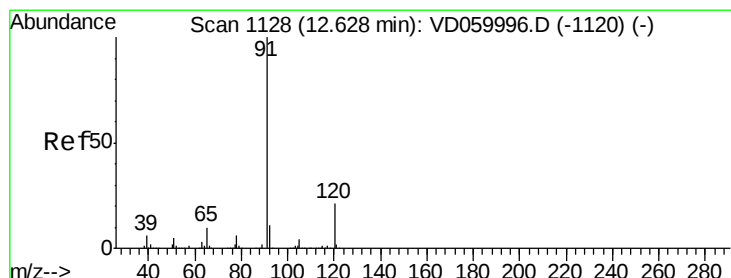
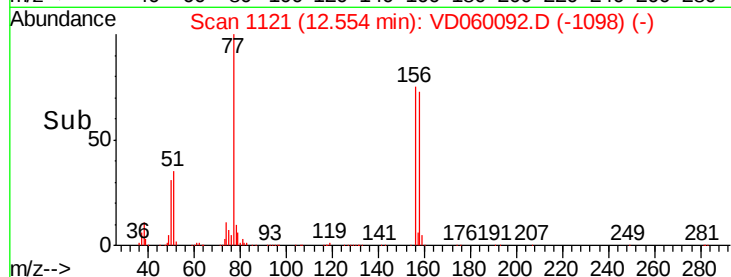
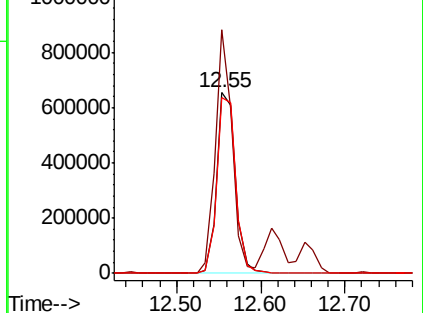
158 97.1 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.436 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VD060092.D

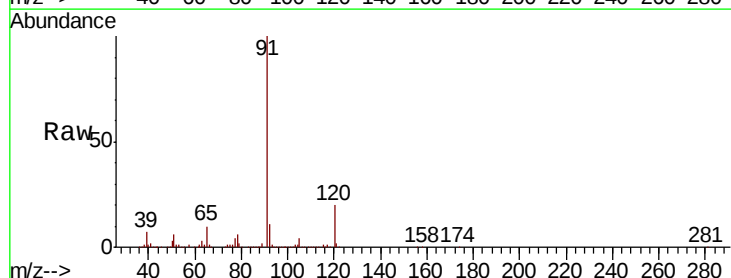
Acq: 28 Sep 2018 12:14

Tgt Ion: 91 Resp: 4412860

Ion Ratio Lower Upper

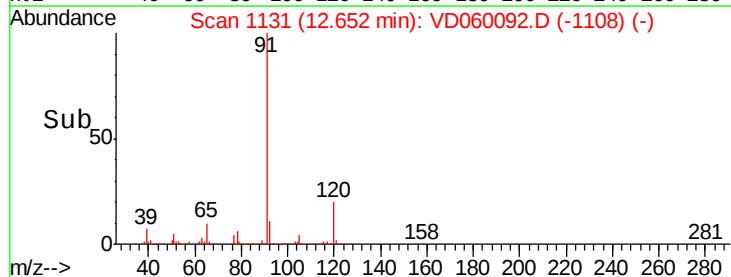
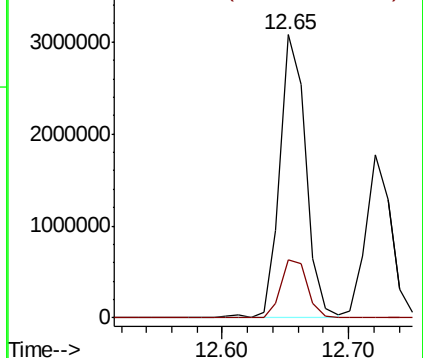
91 100

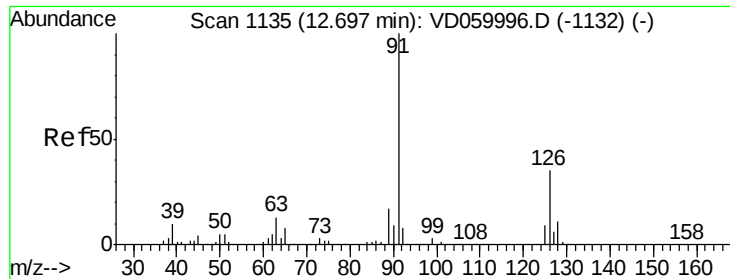
120 20.3 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.976 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

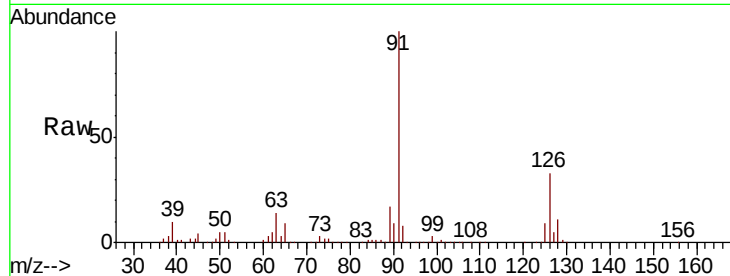
VSTDCCC050

Tot Ion: 91 Resp: 2423894

Ion Ratio Lower Upper

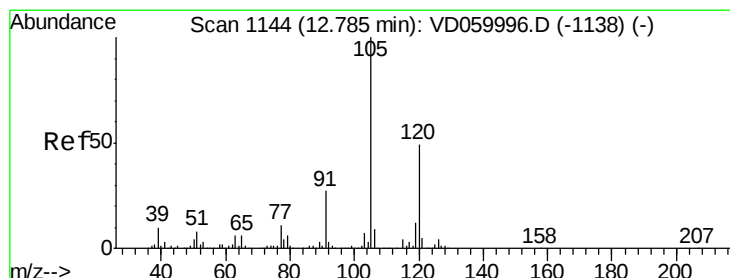
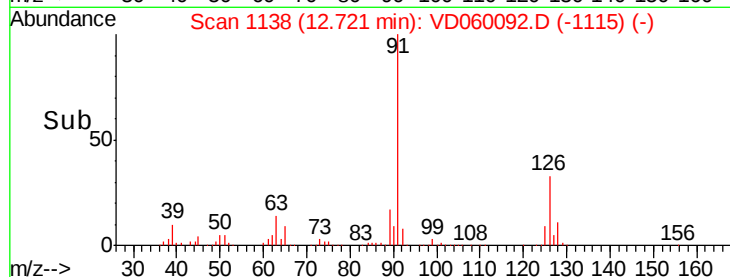
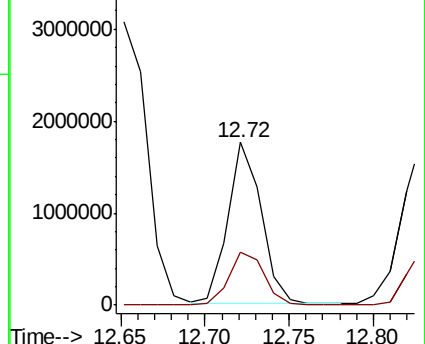
91 100

126 32.9 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.170 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.02 min

Lab File: VD060092.D

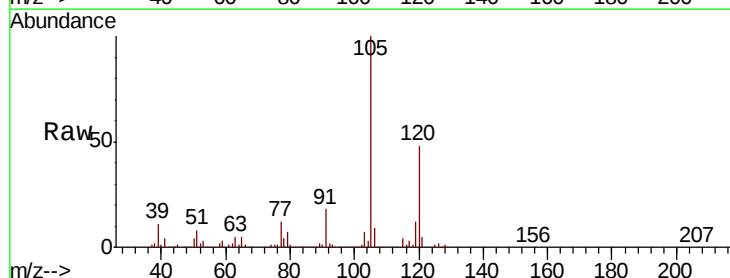
Acq: 28 Sep 2018 12:14

Tgt Ion:105 Resp: 2676528

Ion Ratio Lower Upper

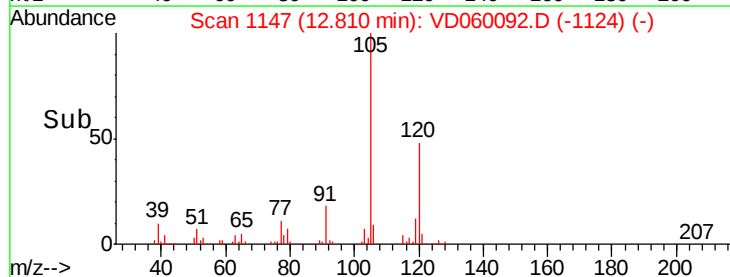
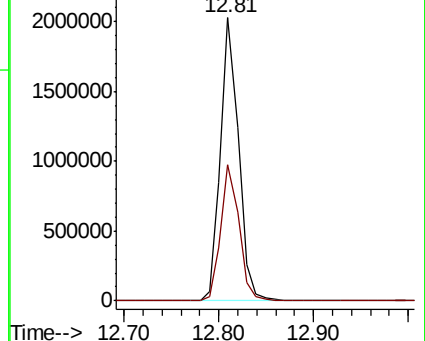
105 100

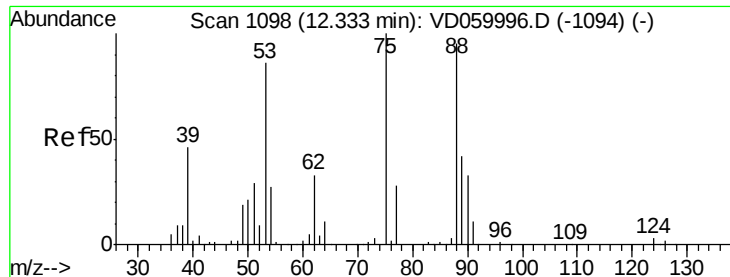
120 48.0 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.943 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

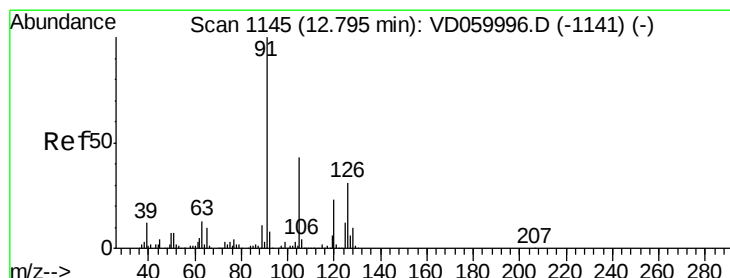
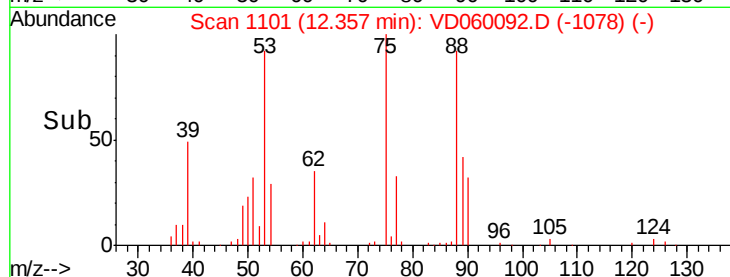
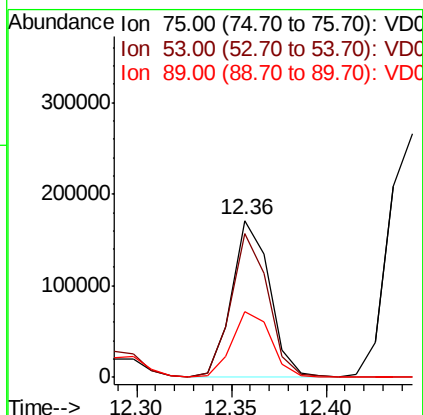
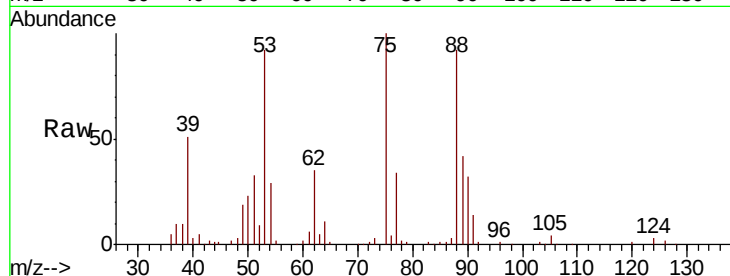
Tot Ion: 75 Resp: 235380

Ion Ratio Lower Upper

75 100

53 91.9 68.4 102.6

89 41.9 33.8 50.6



#82

4-Chlorotoluene

Concen: 53.100 ug/l

RT: 12.83 min Scan# 1149

Delta R.T. 0.03 min

Lab File: VD060092.D

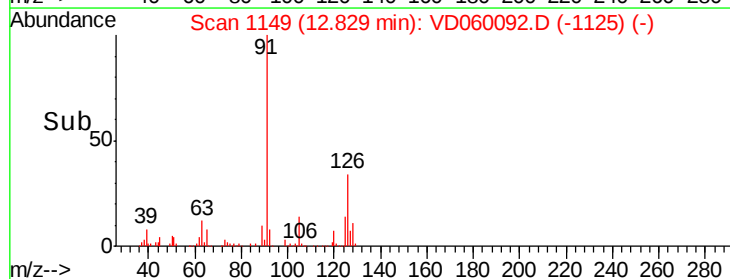
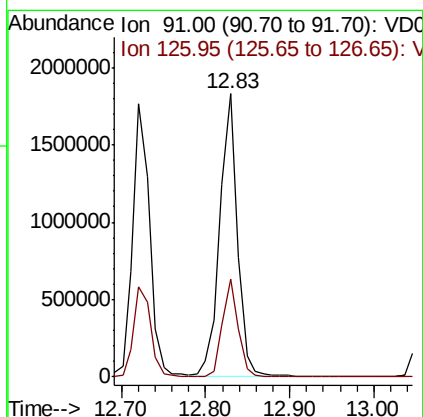
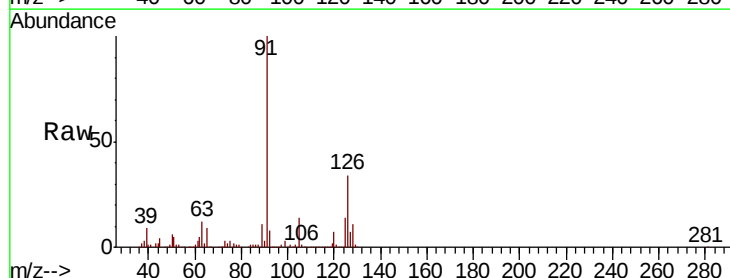
Acq: 28 Sep 2018 12:14

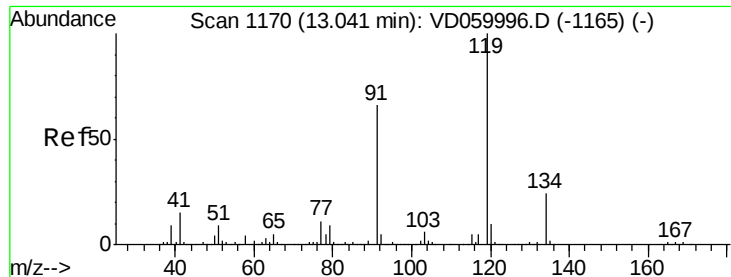
Tgt Ion: 91 Resp: 2671139

Ion Ratio Lower Upper

91 100

126 34.4 15.4 46.1

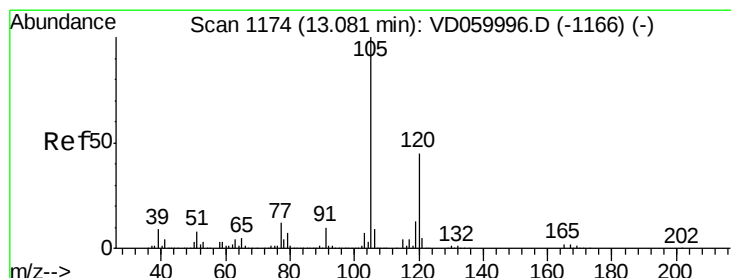
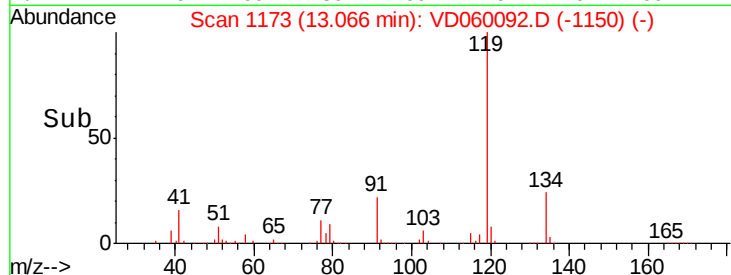
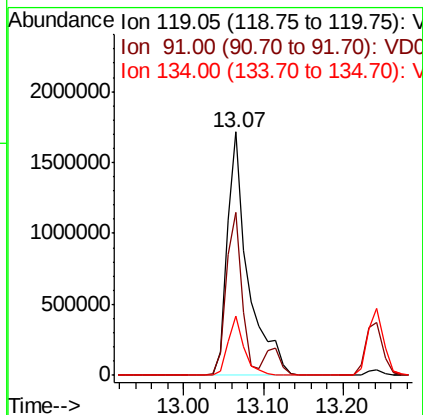
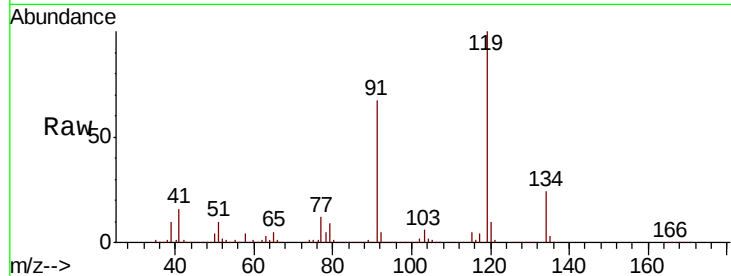




#83
tert-Butylbenzene
Concen: 54.856 ug/l
RT: 13.07 min Scan# 1173
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

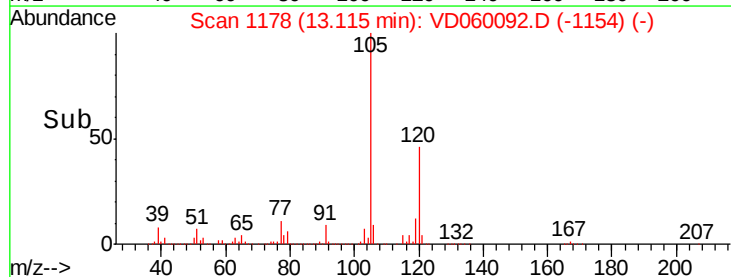
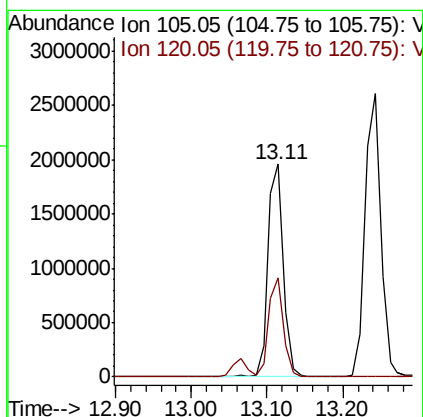
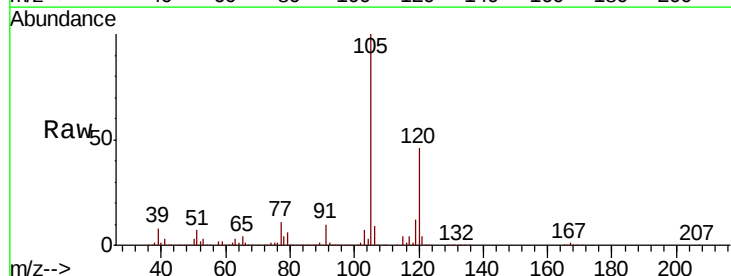
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

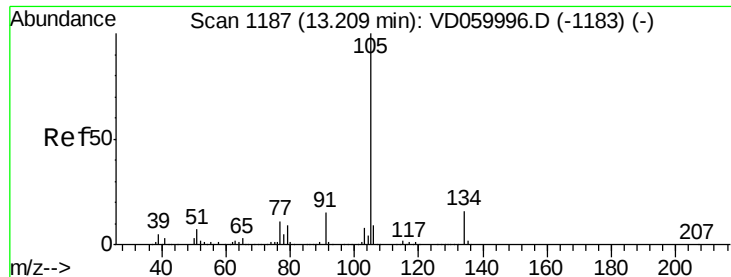
Tot Ion:119 Resp: 3140007
Ion Ratio Lower Upper
119 100
91 66.9 32.9 98.6
134 24.2 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 52.323 ug/l
RT: 13.11 min Scan# 1178
Delta R.T. 0.03 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion:105 Resp: 2758845
Ion Ratio Lower Upper
105 100
120 46.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 54.336 ug/l

RT: 13.24 min Scan# 1191

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

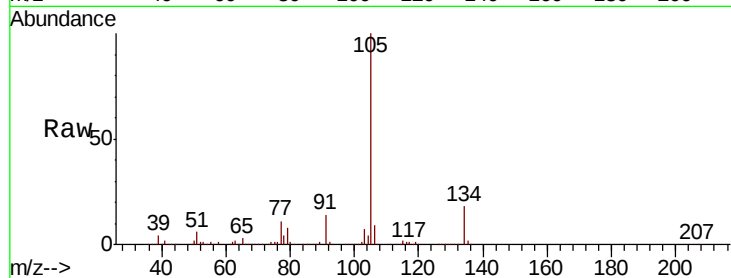
VSTDCCC050

Tot Ion:105 Resp: 3692081

Ion Ratio Lower Upper

105 100

134 18.1 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

3000000

2500000

2000000

1500000

1000000

500000

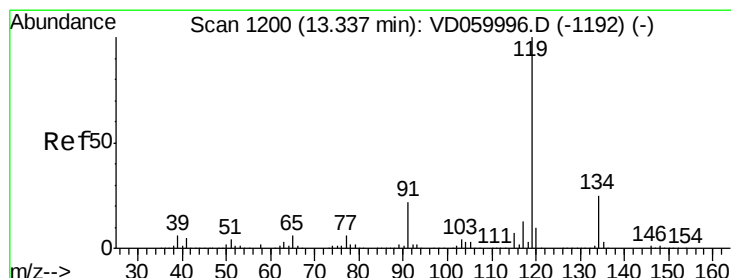
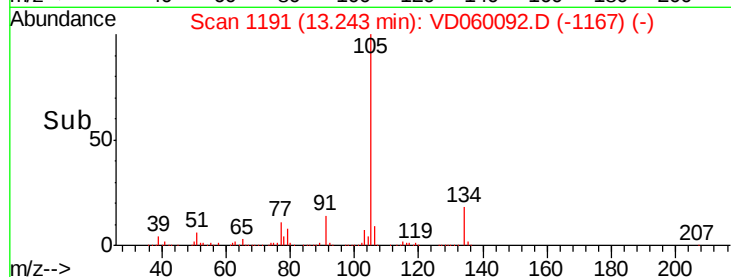
0

13.20

13.24

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 54.083 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

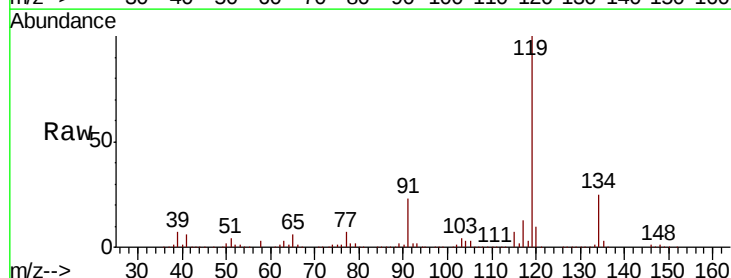
Tgt Ion:119 Resp: 2972219

Ion Ratio Lower Upper

119 100

134 24.8 12.8 38.3

91 23.1 11.1 33.3



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

3000000

2500000

2000000

1500000

1000000

500000

0

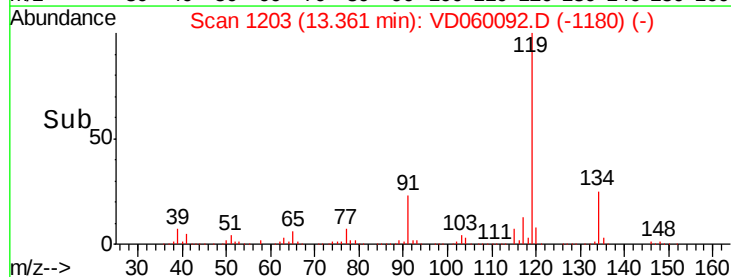
13.20

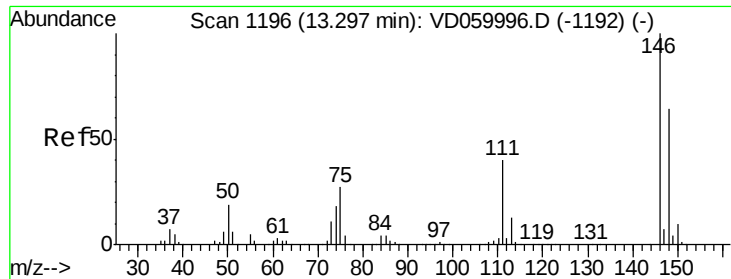
13.36

13.40

13.50

Time-->

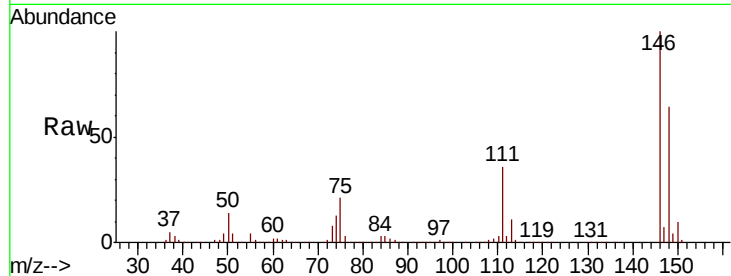




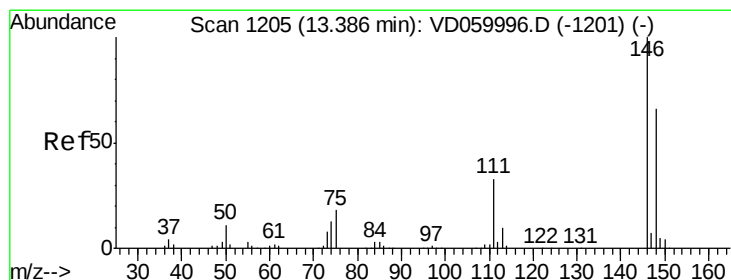
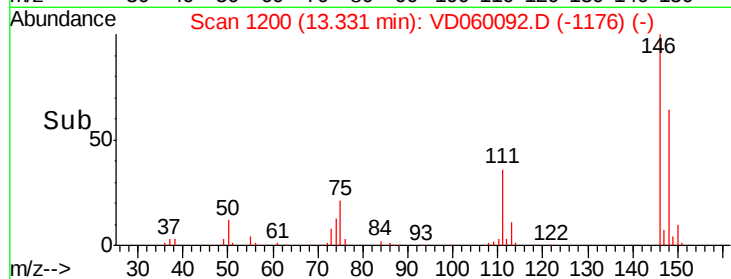
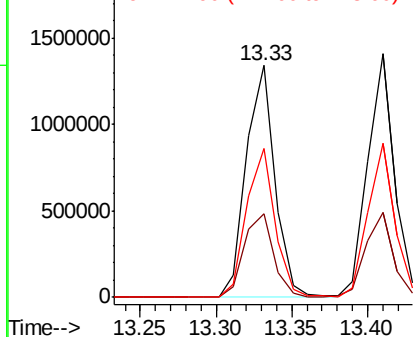
#87
 1,3-Dichlorobenzene
 Concen: 54.859 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. 0.03 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1771488
 Ion Ratio Lower Upper
 146 100
 111 36.0 20.2 60.5
 148 64.3 32.0 96.2

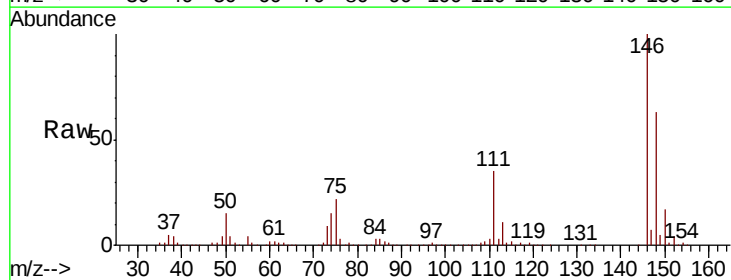


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

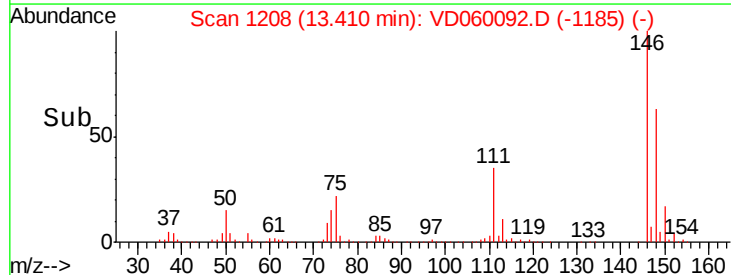
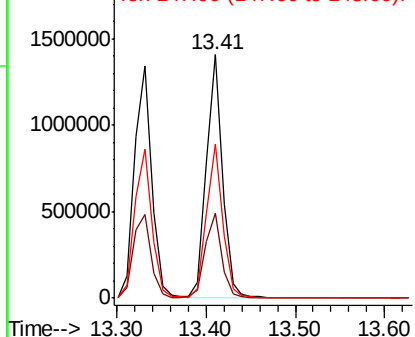


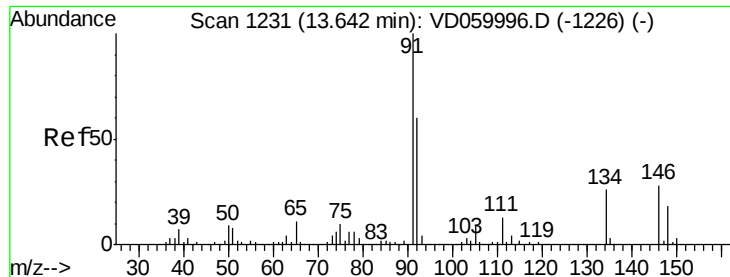
#88
 1,4-Dichlorobenzene
 Concen: 53.307 ug/l
 RT: 13.41 min Scan# 1208
 Delta R.T. 0.02 min
 Lab File: VD060092.D
 Acq: 28 Sep 2018 12:14

Tgt Ion:146 Resp: 1745952
 Ion Ratio Lower Upper
 146 100
 111 35.0 16.7 50.0
 148 63.3 32.9 98.6



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

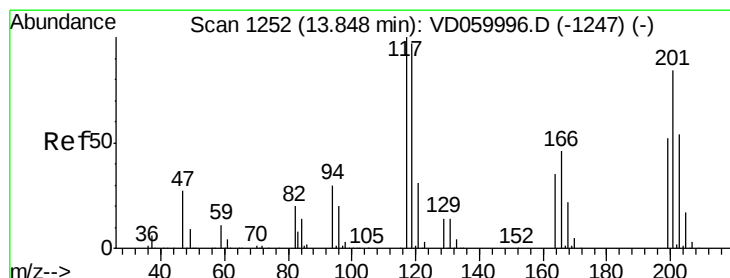
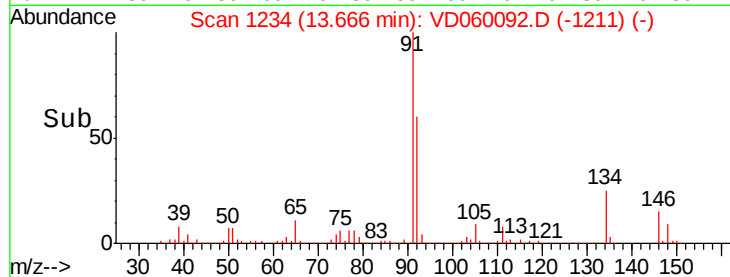
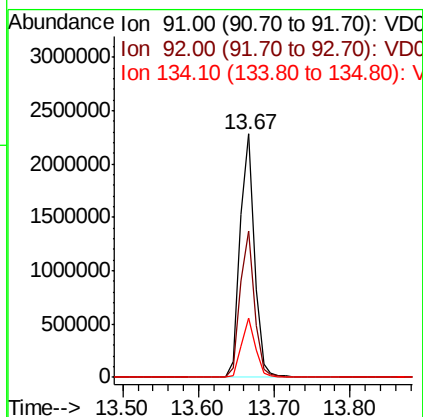
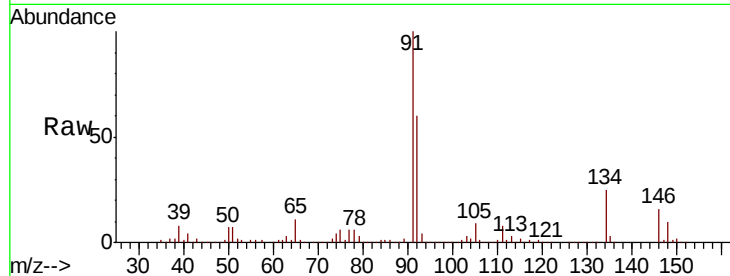




#89
n-Butylbenzene
Concen: 59.348 ug/l
RT: 13.67 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

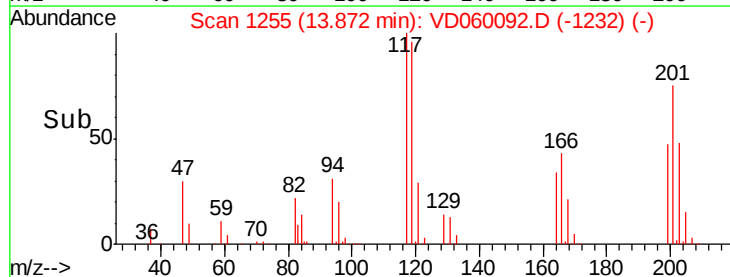
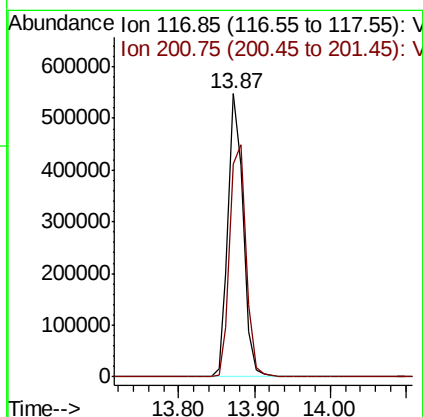
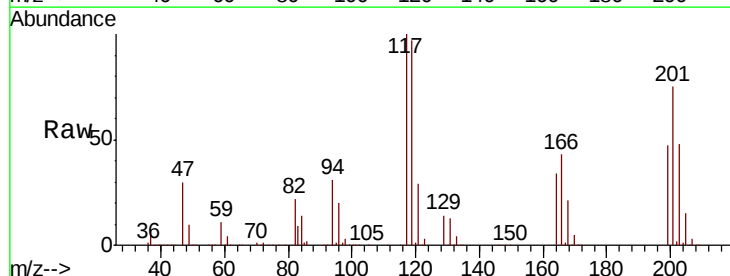
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

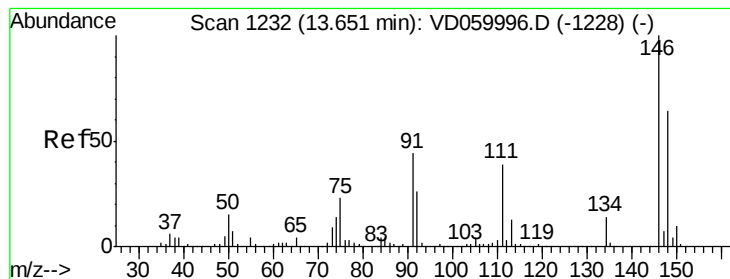
Tot Ion: 91 Resp: 2952301
Ion Ratio Lower Upper
91 100
92 60.2 29.8 89.3
134 24.6 13.2 39.6



#90
Hexachloroethane
Concen: 56.060 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion: 117 Resp: 763070
Ion Ratio Lower Upper
117 100
201 75.2 42.1 126.4





#91

1,2-Dichlorobenzene

Concen: 58.092 ug/l

RT: 13.68 min Scan# 1235

Delta R.T. 0.02 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

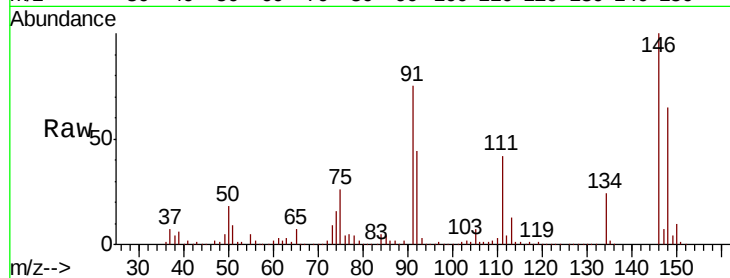
Tot Ion:146 Resp: 1473548

Ion Ratio Lower Upper

146 100

111 41.8 19.6 58.7

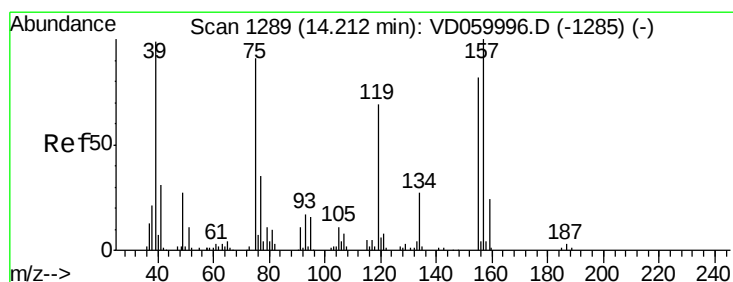
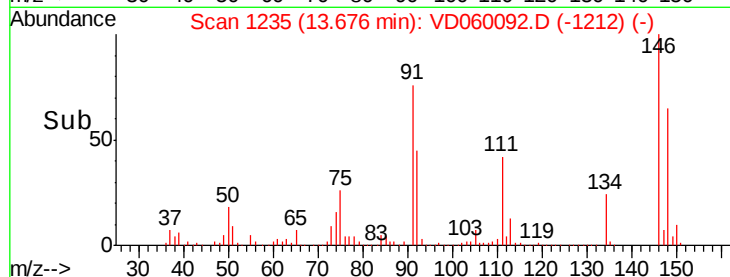
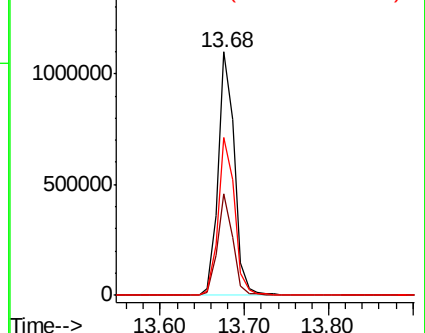
148 65.0 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.154 ug/l

RT: 14.25 min Scan# 1293

Delta R.T. 0.03 min

Lab File: VD060092.D

Acq: 28 Sep 2018 12:14

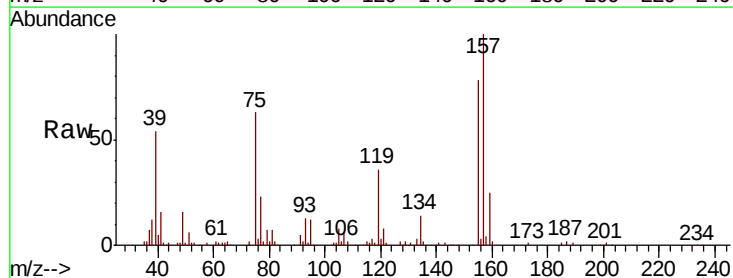
Tgt Ion: 75 Resp: 109585

Ion Ratio Lower Upper

75 100

155 122.8 44.7 134.1

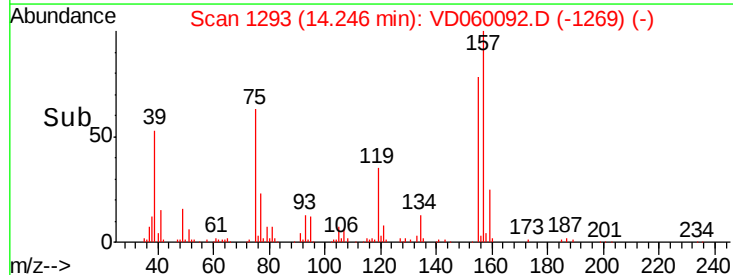
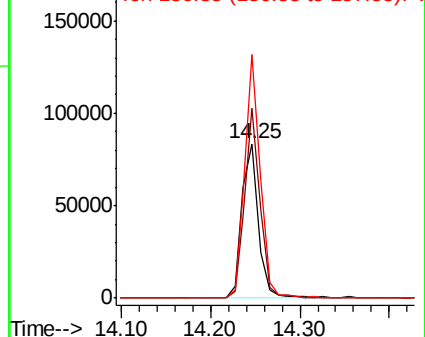
157 157.6 54.7 164.1

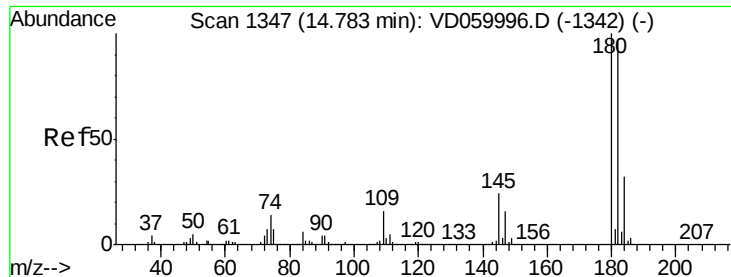


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

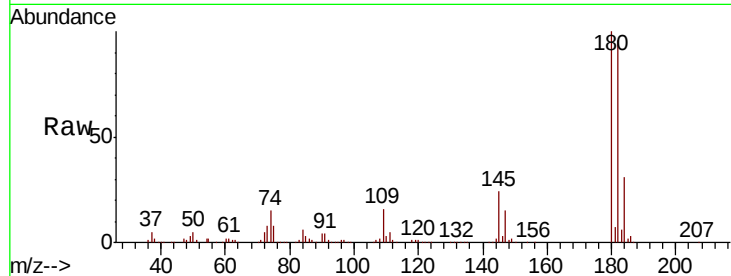




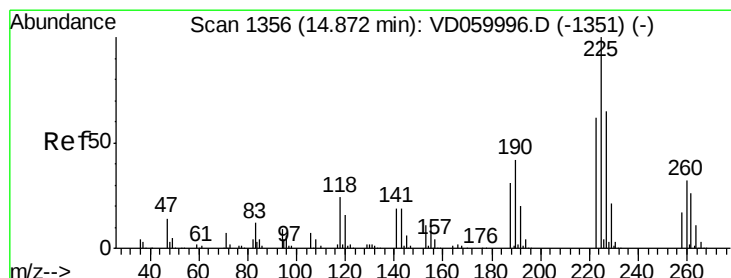
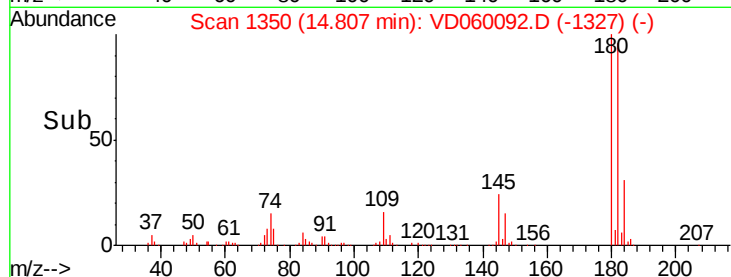
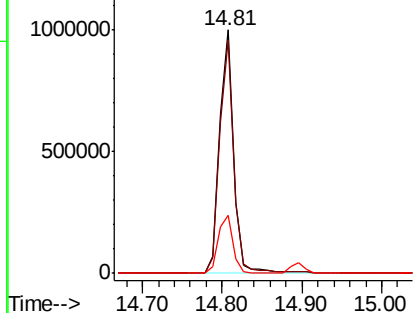
#93
1,2,4-Trichlorobenzene
Concen: 55.047 ug/l
RT: 14.81 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion:180 Resp: 1266712
Ion Ratio Lower Upper
180 100
182 96.1 48.5 145.6
145 23.8 11.9 35.7

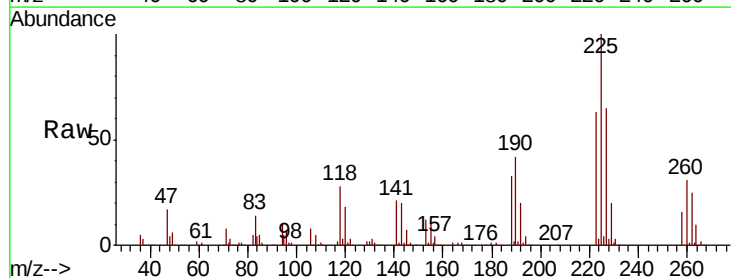


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

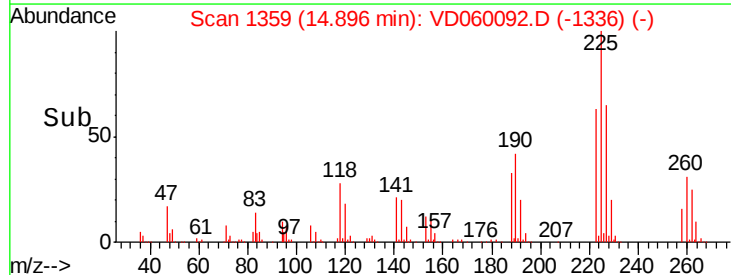
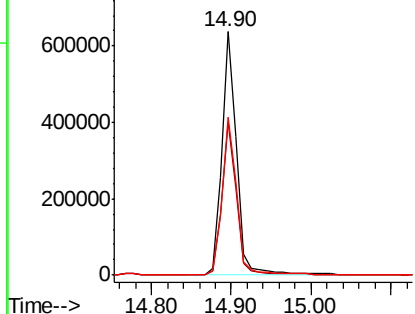


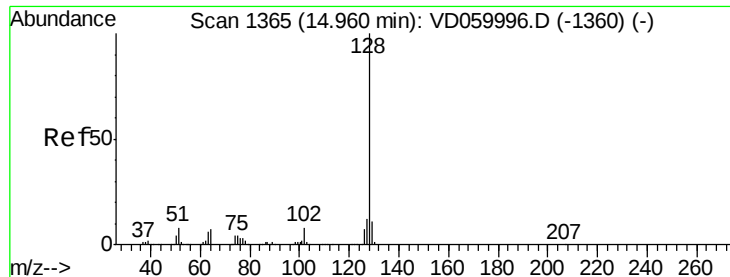
#94
Hexachlorobutadiene
Concen: 54.820 ug/l
RT: 14.90 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion:225 Resp: 834472
Ion Ratio Lower Upper
225 100
223 62.7 31.2 93.6
227 64.9 32.3 96.8



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

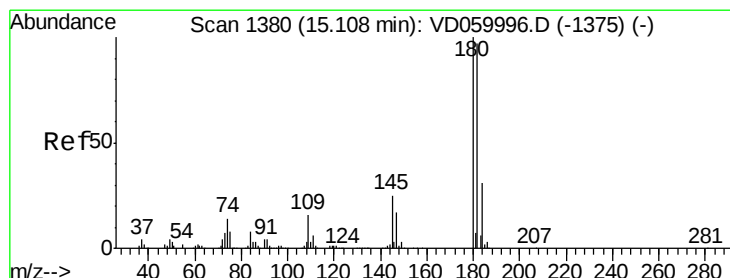
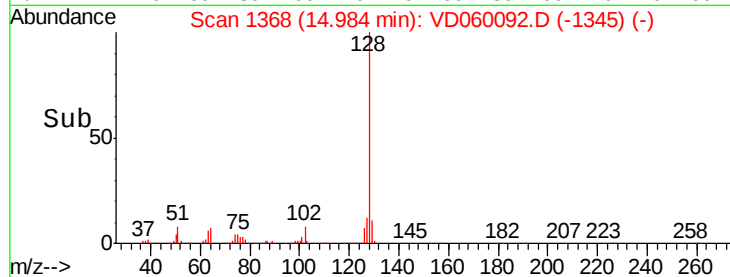
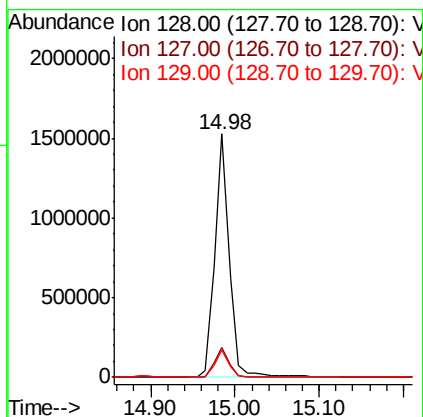
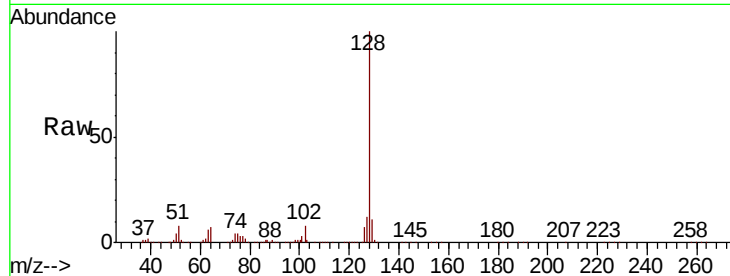




#95
Naphthalene
Concen: 51.115 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1816547
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 50.885 ug/l
RT: 15.13 min Scan# 1383
Delta R.T. 0.02 min
Lab File: VD060092.D
Acq: 28 Sep 2018 12:14

Tgt Ion:180 Resp: 1031888
Ion Ratio Lower Upper
180 100
182 96.0 48.6 145.9
145 26.9 12.7 38.1

