

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060831.D
 Acq On : 1 Feb 2019 20:51
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 02 00:27:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	390715	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.95	114	512135	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	447963	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.31	152	253506	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.19	65	376529	62.86	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	125.72%	
35) Dibromofluoromethane	6.65	113	298101	60.69	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	121.38%	
50) Toluene-d8	10.16	98	629501	54.88	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.76%	
62) 4-Bromofluorobenzene	13.34	95	352745	61.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	122.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	346503	72.941	ug/l	97
3) Chloromethane	1.74	50	168898	59.384	ug/l	98
4) Vinyl Chloride	1.83	62	180404	59.756	ug/l #	88
5) Bromomethane	2.13	94	64099	67.212	ug/l	95
6) Chloroethane	2.23	64	83493	84.346	ug/l #	86
7) Trichlorofluoromethane	2.47	101	472140	79.447	ug/l	97
8) Diethyl Ether	2.78	74	57989	66.220	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.04	101	224883	74.668	ug/l	94
10) Methyl Iodide	3.19	142	223442	70.861	ug/l	98
11) Tert butyl alcohol	3.90	59	96617	337.521	ug/l	95
12) 1,1-Dichloroethene	3.02	96	149039	72.415	ug/l	91
13) Acrolein	2.94	56	27527	288.662	ug/l	88
14) Allyl chloride	3.48	41	338934	70.765	ug/l	95
15) Acrylonitrile	4.02	53	187320	292.052	ug/l	97
16) Acetone	3.11	43	303121	350.367	ug/l	97
17) Carbon Disulfide	3.26	76	475649	65.243	ug/l	99
18) Methyl Acetate	3.50	43	132526	77.271	ug/l	97
19) Methyl tert-butyl Ether	4.05	73	625282	66.546	ug/l	99
20) Methylene Chloride	3.65	84	194069	51.118	ug/l	93
21) trans-1,2-Dichloroethene	4.03	96	204135	56.264	ug/l	85
22) Diisopropyl ether	4.86	45	707791	57.347	ug/l	93
23) Vinyl Acetate	4.80	43	2230887	313.878	ug/l	99
24) 1,1-Dichloroethane	4.74	63	464930	57.542	ug/l	97
25) 2-Butanone	5.81	43	355521	321.054	ug/l	97
26) 2,2-Dichloropropane	5.75	77	559683	65.742	ug/l	98
27) cis-1,2-Dichloroethene	5.77	96	219917	53.220	ug/l	89
28) Bromochloromethane	6.16	49	165042	52.362	ug/l #	95
29) Tetrahydrofuran	6.20	42	161254	303.237	ug/l	98
30) Chloroform	6.39	83	618219	64.737	ug/l	97
31) Cyclohexane	6.69	56	302604	55.045	ug/l	95
32) 1,1,1-Trichloroethane	6.60	97	633171	68.850	ug/l	94
36) 1,1-Dichloropropene	6.87	75	400344	65.471	ug/l	98
37) Ethyl Acetate	5.91	43	172944	63.359	ug/l	96
38) Carbon Tetrachloride	6.84	117	570041	74.343	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.61	83	287874	56.216	ug/l	94
40) Benzene	7.19	78	712158	59.010	ug/l	99
41) Methacrylonitrile	6.19	41	234541	135.298	ug/l #	85
42) 1,2-Dichloroethane	7.31	62	544289	77.633	ug/l	96
43) Isopropyl Acetate	8.98	43	229599	64.492	ug/l #	96
44) Trichloroethene	8.27	130	245547	60.018	ug/l	89
45) 1,2-Dichloropropane	8.67	63	192084	58.796	ug/l	98
46) Dibromomethane	8.80	93	176699	69.673	ug/l	95
47) Bromodichloromethane	9.12	83	487850	71.266	ug/l	95
48) Methyl methacrylate	8.86	41	165343	67.349	ug/l	93
49) 1,4-Dioxane	8.83	88	25201	1178.262	ug/l #	88
51) 4-Methyl-2-Pentanone	10.05	43	832689	361.175	ug/l	94
52) Toluene	10.26	92	463000	60.481	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	404335	67.149	ug/l	95
54) cis-1,3-Dichloropropene	9.79	75	410727	66.517	ug/l	93
55) 1,1,2-Trichloroethane	10.95	97	171691	65.781	ug/l	96
56) Ethyl methacrylate	10.80	69	211480	66.886	ug/l #	89
57) 1,3-Dichloropropane	11.17	76	298837	66.993	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.60	63	511225	308.158	ug/l	98
59) 2-Hexanone	11.29	43	601807	347.162	ug/l	90
60) Dibromochloromethane	11.45	129	335939	71.594	ug/l	95
61) 1,2-Dibromoethane	11.57	107	218179	70.979	ug/l	99
64) Tetrachloroethene	11.01	164	224892	54.702	ug/l	93
65) Chlorobenzene	12.17	112	548618	53.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	280661	63.814	ug/l	99
67) Ethyl Benzene	12.30	91	1141540	62.013	ug/l	96
68) m/p-Xylenes	12.45	106	651736	108.824	ug/l	89
69) o-Xylene	12.83	106	317224	53.517	ug/l	79
70) Styrene	12.85	104	549048	55.237	ug/l	94
71) Bromoform	13.02	173	214369	64.692	ug/l #	97
73) Isopropylbenzene	13.18	105	1056639	52.277	ug/l	98
74) N-amyl acetate	13.05	43	370746	59.666	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.49	83	209132	56.825	ug/l	100
76) 1,2,3-Trichloropropane	13.52	75	270498	58.188	ug/l	98
77) Bromobenzene	13.45	156	265178	51.038	ug/l	83
78) n-propylbenzene	13.56	91	1424452	56.140	ug/l	96
79) 2-Chlorotoluene	13.63	91	879637	56.838	ug/l	96
80) 1,3,5-Trimethylbenzene	14.03	105	1004069	57.704	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.25	75	60717	50.098	ug/l	88
82) 4-Chlorotoluene	13.73	91	1027245	59.722	ug/l	94
83) tert-Butylbenzene	13.98	119	1046639	57.492	ug/l	94
84) 1,2,4-Trimethylbenzene	14.03	105	1004069	57.704	ug/l	98
85) sec-Butylbenzene	14.16	105	1158750	55.916	ug/l	98
86) p-Isopropyltoluene	14.28	119	954889	56.755	ug/l	94
87) 1,3-Dichlorobenzene	14.25	146	502214	54.041	ug/l	98
88) 1,4-Dichlorobenzene	14.33	146	505518	55.985	ug/l	95
89) n-Butylbenzene	14.59	91	954962	54.401	ug/l	99
90) Hexachloroethane	14.80	117	276355	55.197	ug/l	84
91) 1,2-Dichlorobenzene	14.60	146	404403	52.427	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.17	75	58856	67.315	ug/l	66

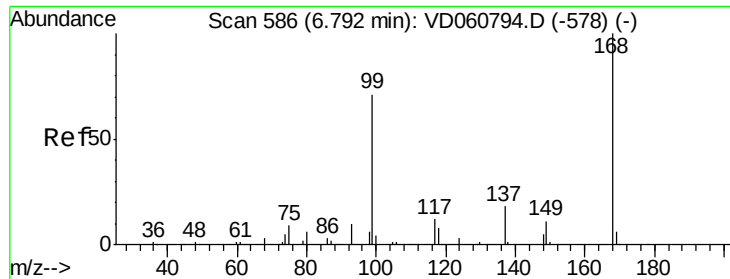
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.73	180	369226	55.281	ug/l	96
94) Hexachlorobutadiene	15.83	225	300634	59.990	ug/l	98
95) Naphthalene	15.92	128	581249	56.640	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	320769	55.230	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

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Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

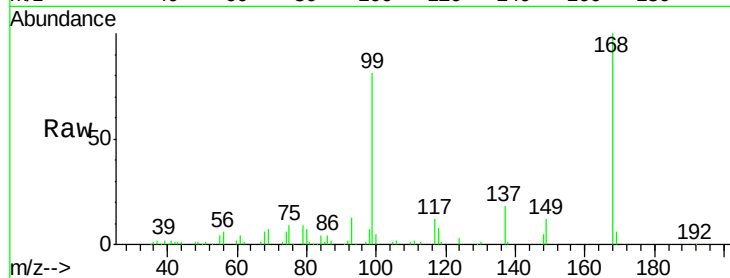
VSTDCCC050EC

Tot Ion:168 Resp: 390715

Ion Ratio Lower Upper

168 100

99 81.4 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.76

150000

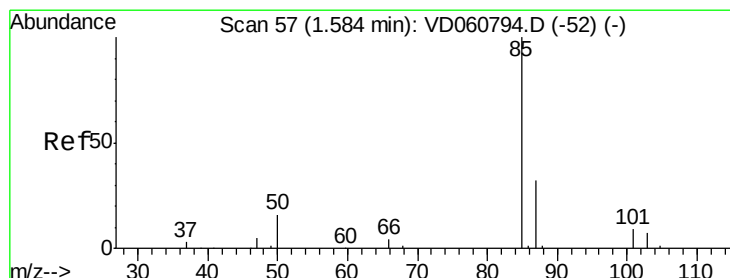
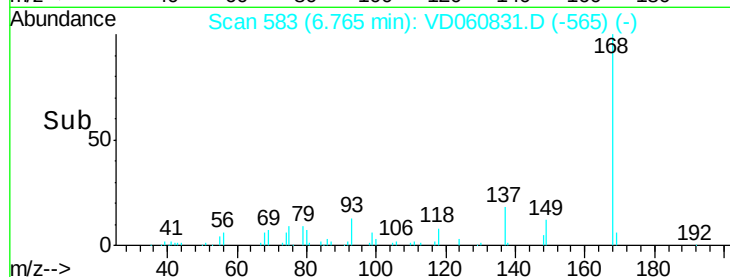
100000

50000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 72.941 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.01 min

Lab File: VD060831.D

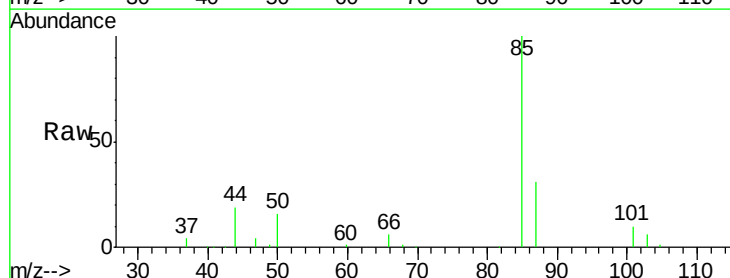
Acq: 1 Feb 2019 20:51

Tgt Ion: 85 Resp: 346503

Ion Ratio Lower Upper

85 100

87 30.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

60000

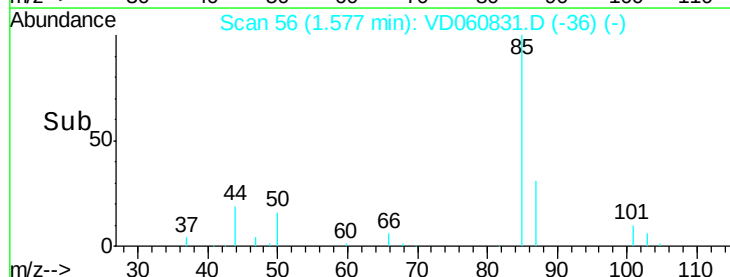
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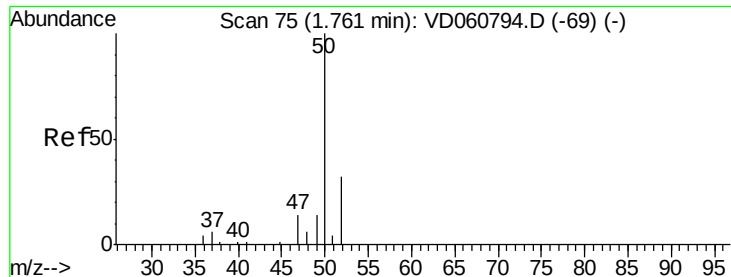
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 59.384 ug/l

RT: 1.74 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

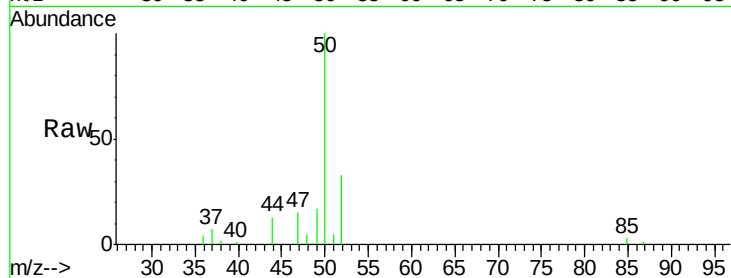
VSTDCCC050EC

Tot Ion: 50 Resp: 168898

Ion Ratio Lower Upper

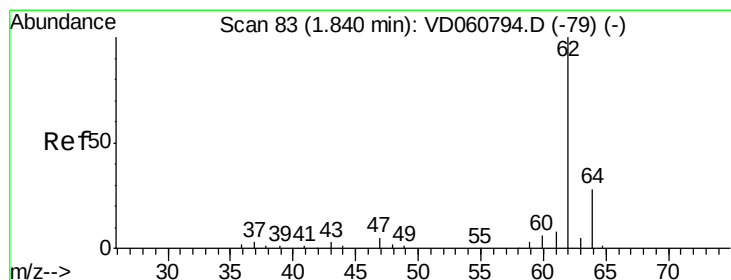
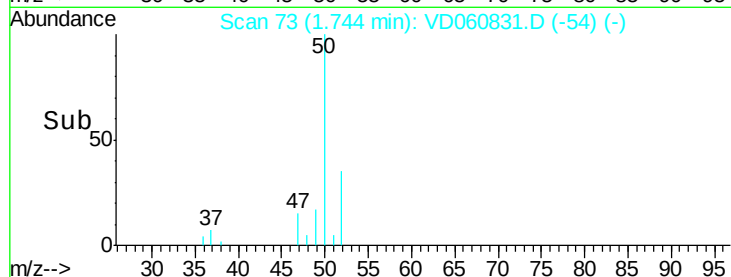
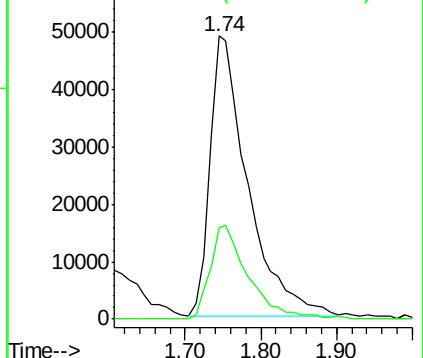
50 100

52 32.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 59.756 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD060831.D

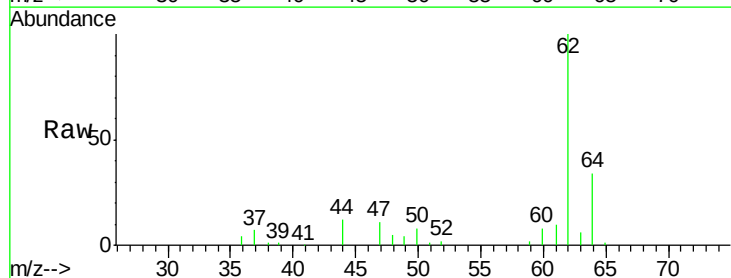
Acq: 1 Feb 2019 20:51

Tgt Ion: 62 Resp: 180404

Ion Ratio Lower Upper

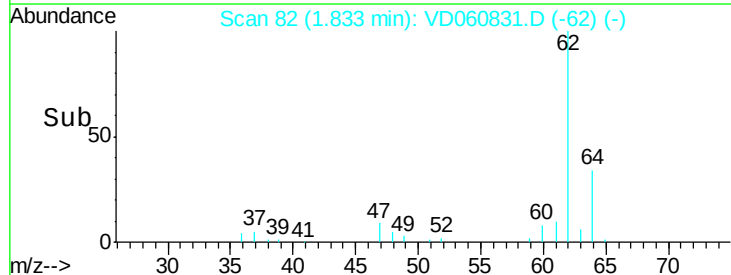
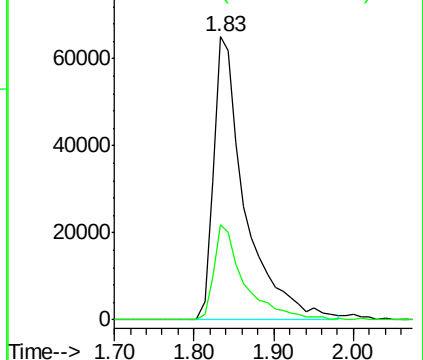
62 100

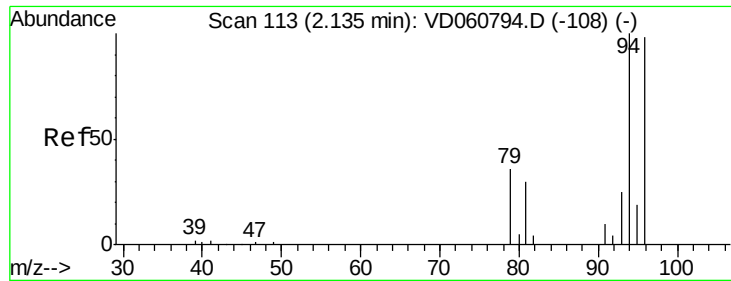
64 33.8 22.1 33.1#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

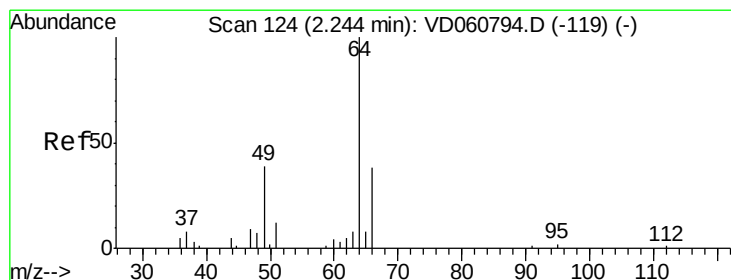
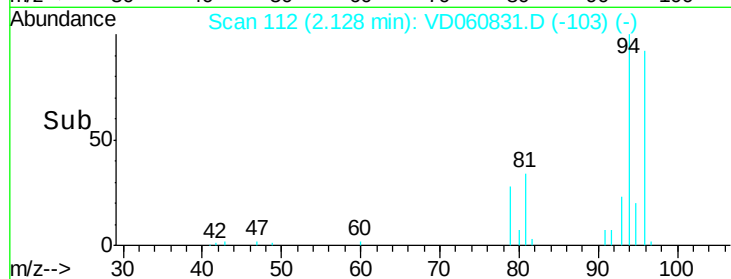
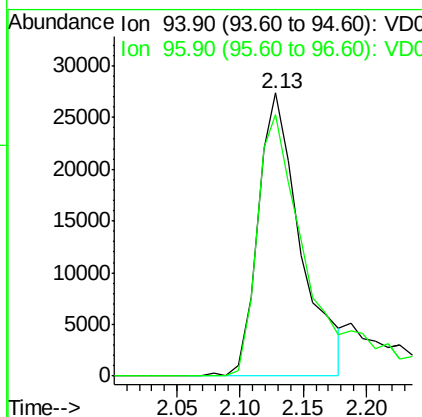
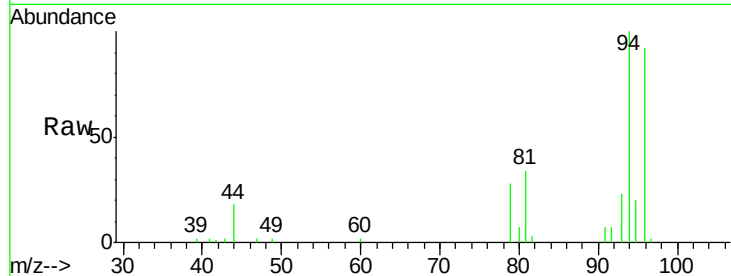




#5
Bromomethane
Concen: 67.212 ug/l
RT: 2.13 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

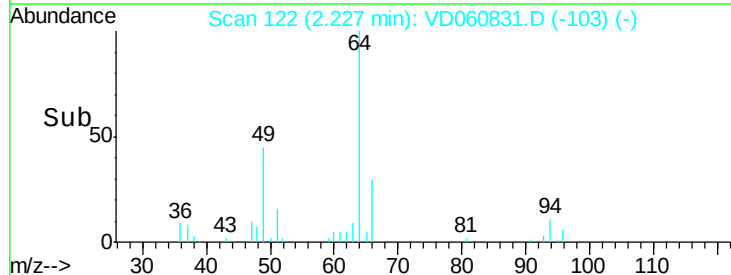
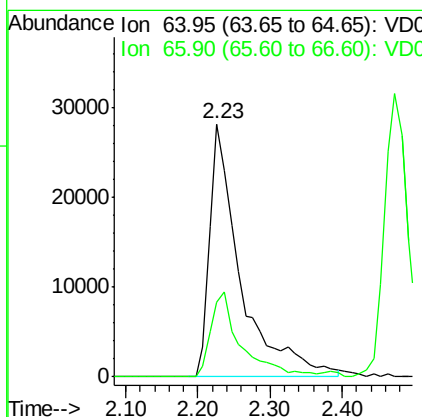
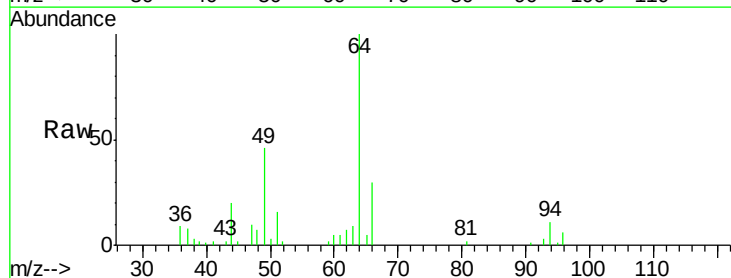
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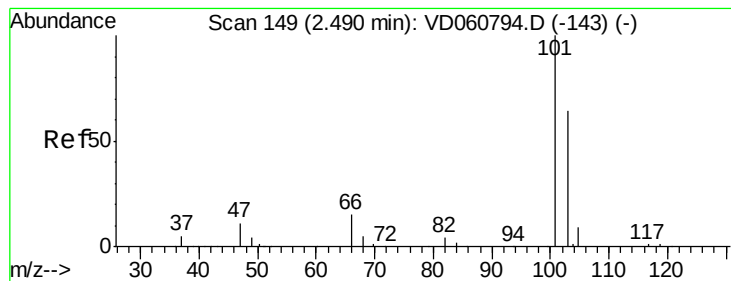
Tot Ion: 94 Resp: 64099
Ion Ratio Lower Upper
94 100
96 92.5 78.0 117.0



#6
Chloroethane
Concen: 84.346 ug/l
RT: 2.23 min Scan# 122
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 64 Resp: 83493
Ion Ratio Lower Upper
64 100
66 29.6 30.2 45.4#



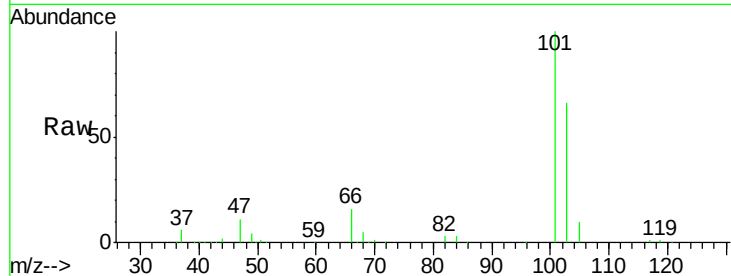


#7

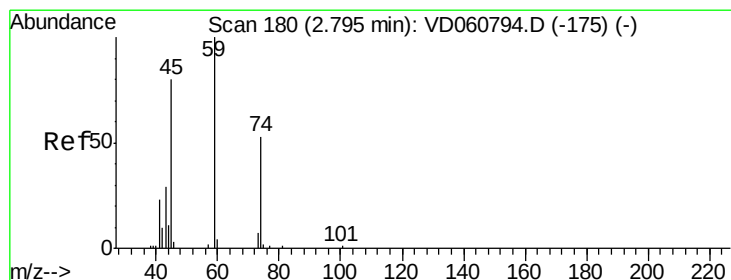
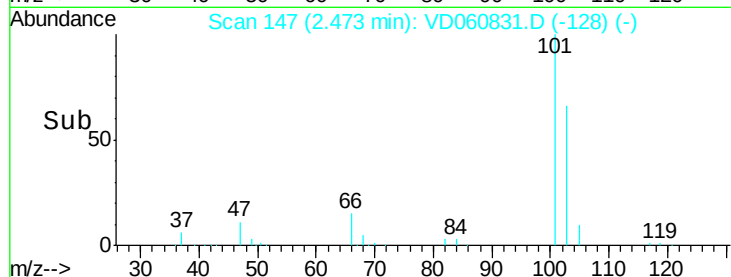
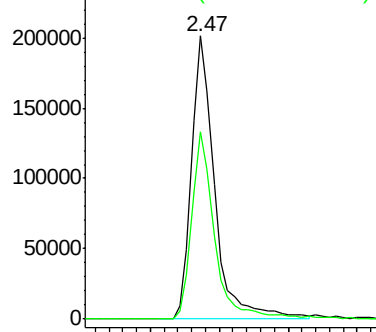
Trichlorofluoromethane
Concen: 79.447 ug/l
RT: 2.47 min Scan# 147
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 472140
Ion Ratio Lower Upper
101 100
103 66.2 51.3 76.9



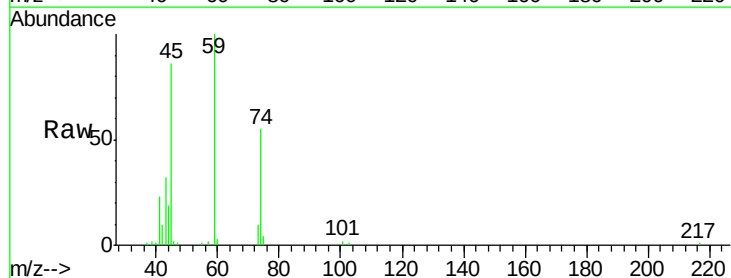
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



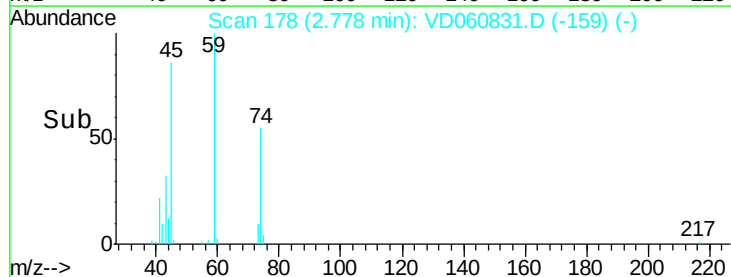
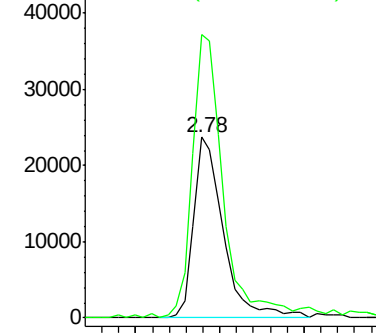
#8

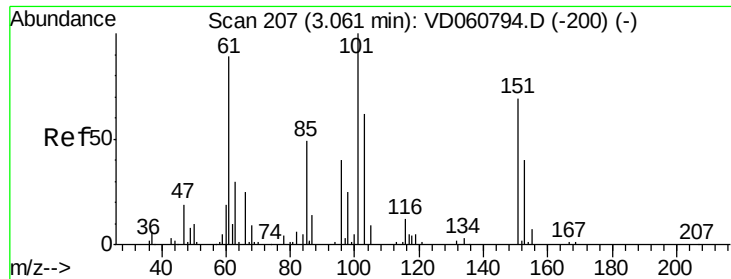
Diethyl Ether
Concen: 66.220 ug/l
RT: 2.78 min Scan# 178
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 74 Resp: 57989
Ion Ratio Lower Upper
74 100
45 156.6 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 74.668 ug/l

RT: 3.04 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

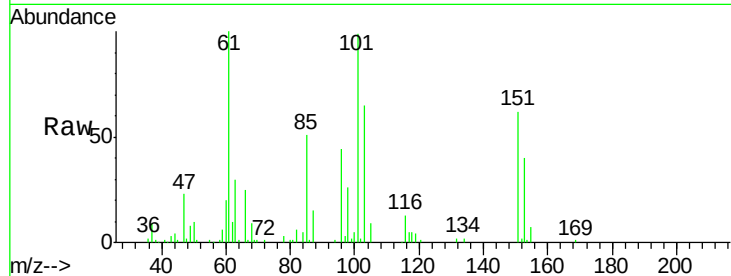
Tot Ion:101 Resp: 224883

Ion Ratio Lower Upper

101 100

85 51.7 39.3 58.9

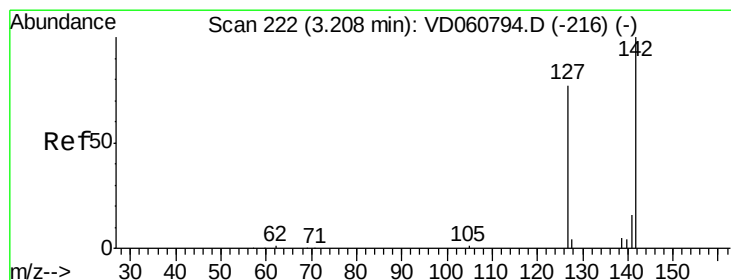
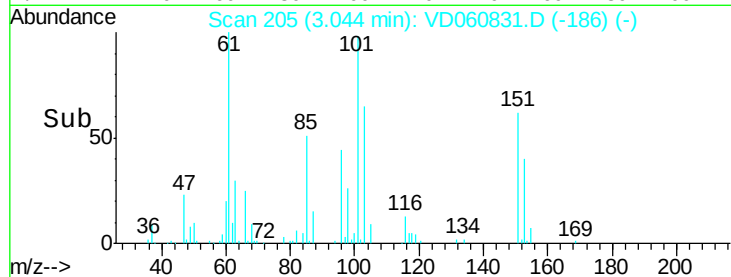
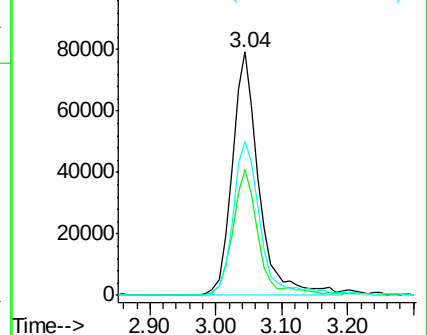
151 63.3 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 70.861 ug/l

RT: 3.19 min Scan# 220

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

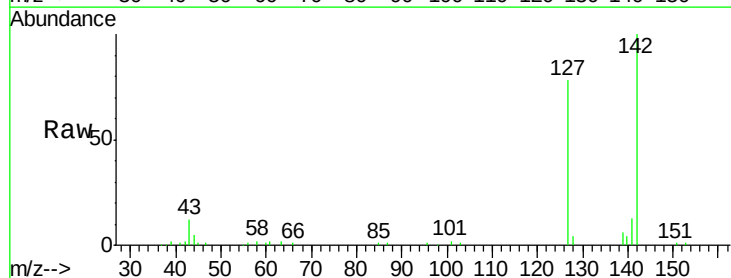
Tgt Ion:142 Resp: 223442

Ion Ratio Lower Upper

142 100

127 77.7 61.6 92.4

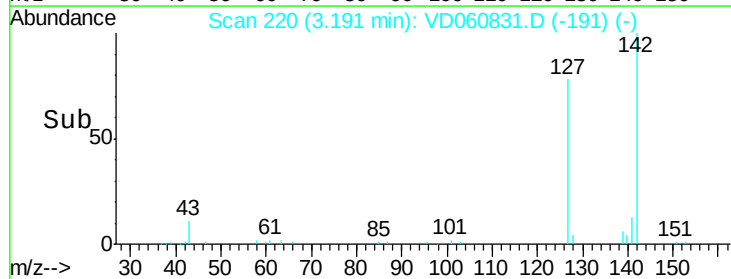
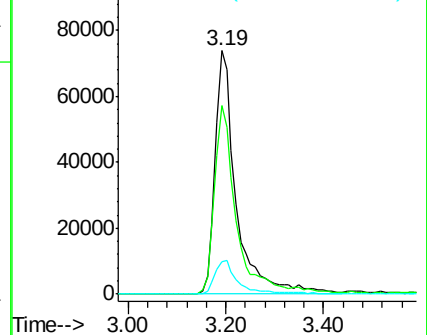
141 13.2 12.5 18.7

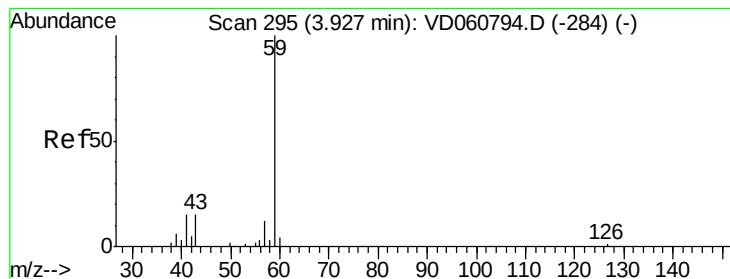


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 337.521 ug/l

RT: 3.90 min Scan# 292

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

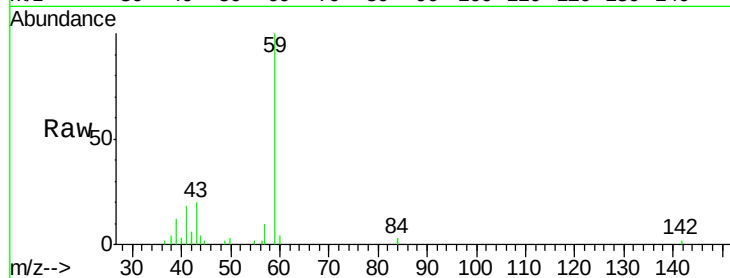
VSTDCCC050EC

Tot Ion: 59 Resp: 96617

Ion Ratio Lower Upper

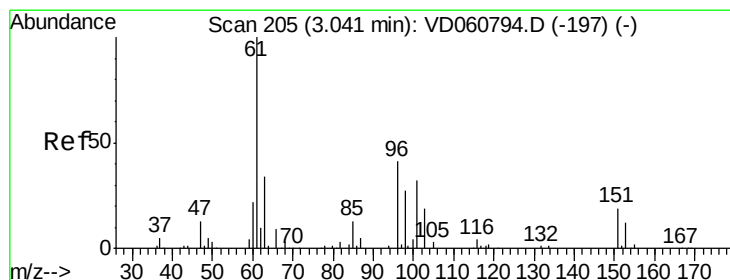
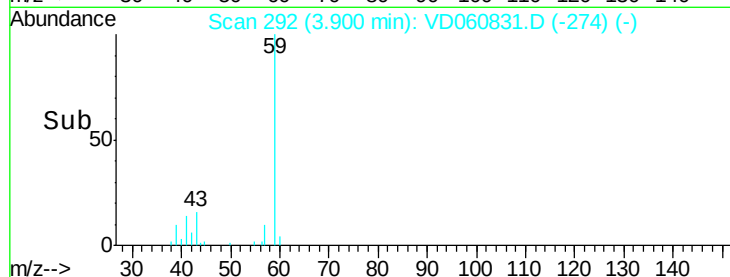
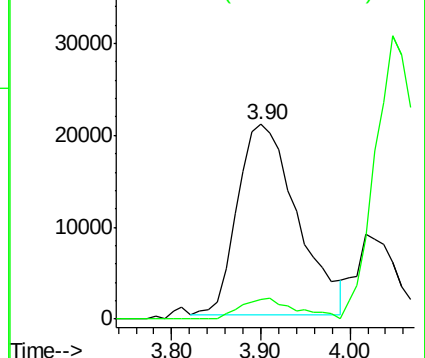
59 100

57 10.3 9.8 14.6



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 72.415 ug/l

RT: 3.02 min Scan# 203

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

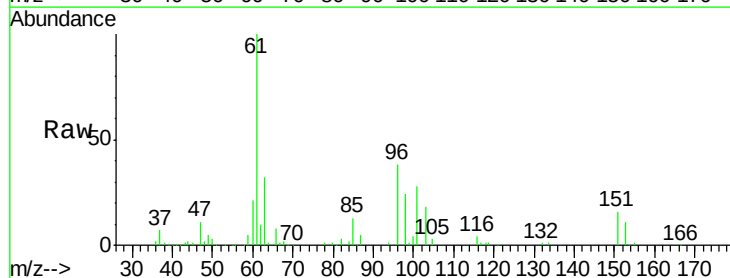
Tgt Ion: 96 Resp: 149039

Ion Ratio Lower Upper

96 100

61 262.4 195.1 292.7

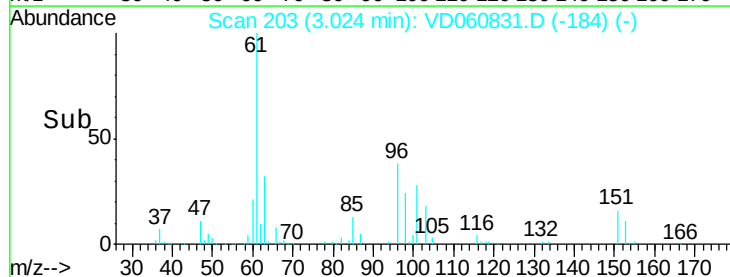
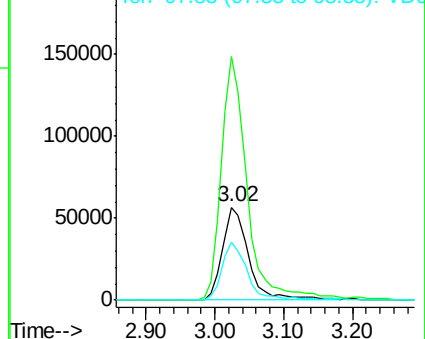
98 63.0 52.5 78.7

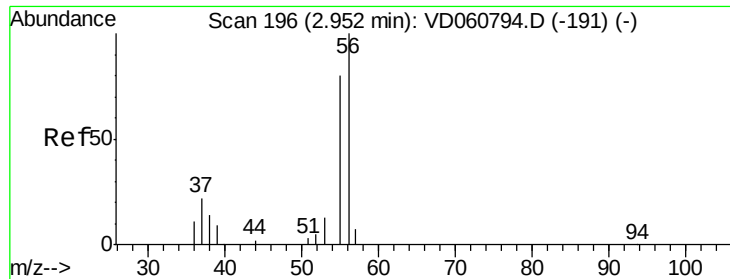


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 288.662 ug/l

RT: 2.94 min Scan# 194

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

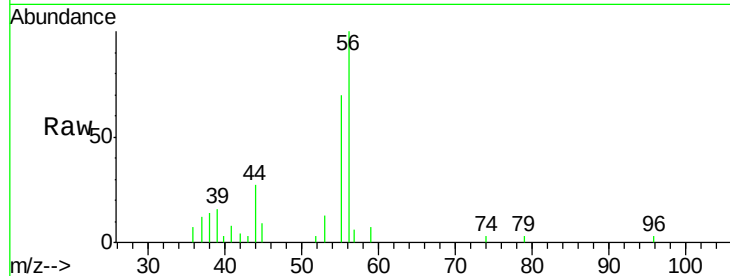
VSTDCCC050EC

Tot Ion: 56 Resp: 27527

Ion Ratio Lower Upper

56 100

55 69.9 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.94

12000

10000

8000

6000

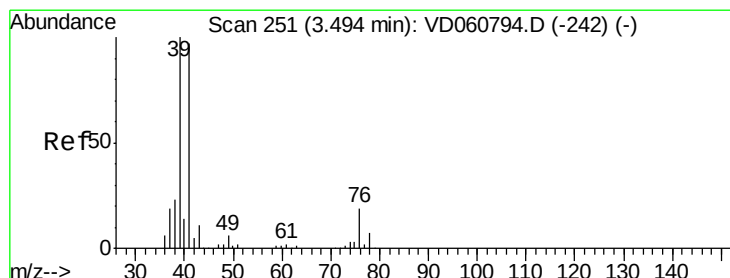
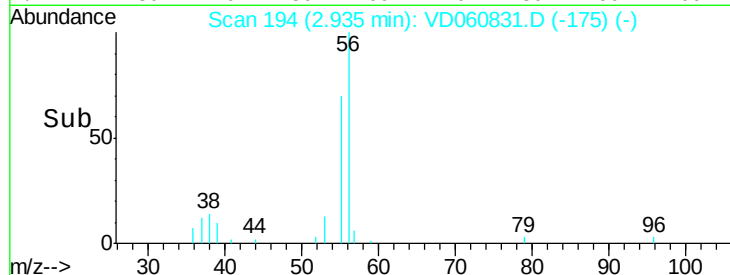
4000

2000

0

Time-->

2.90 3.00



#14

Allyl chloride

Concen: 70.765 ug/l

RT: 3.48 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

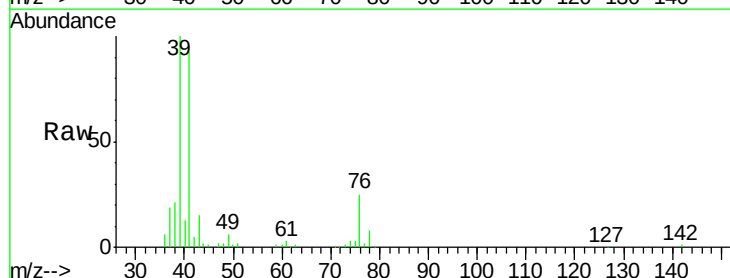
Tgt Ion: 41 Resp: 338934

Ion Ratio Lower Upper

41 100

39 107.8 82.6 123.8

76 26.6 18.9 28.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

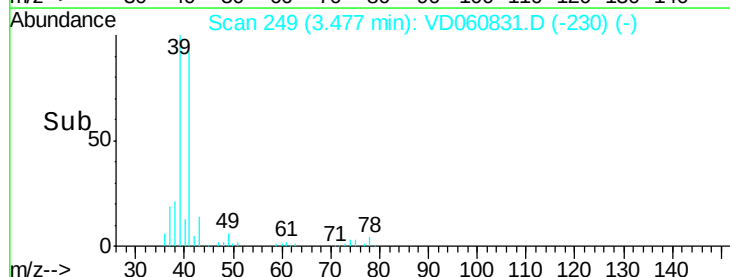
100000

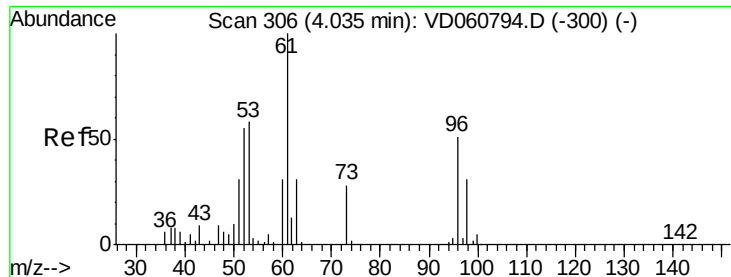
50000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 292.052 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

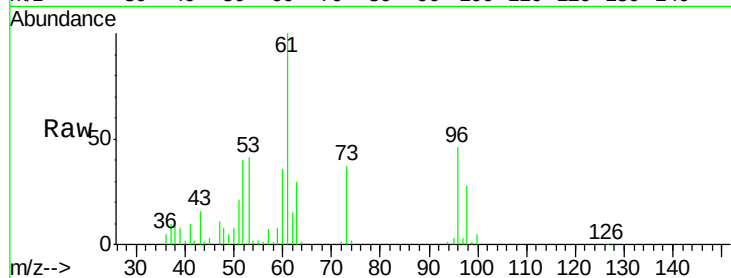
Tot Ion: 53 Resp: 187320

Ion Ratio Lower Upper

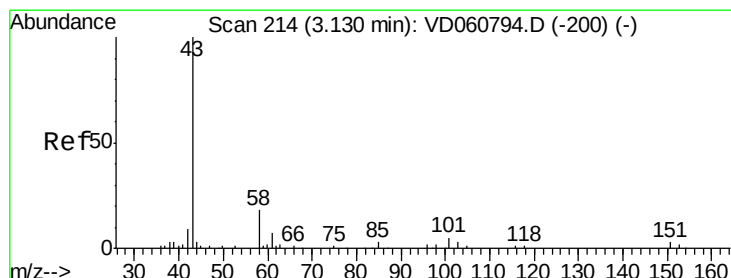
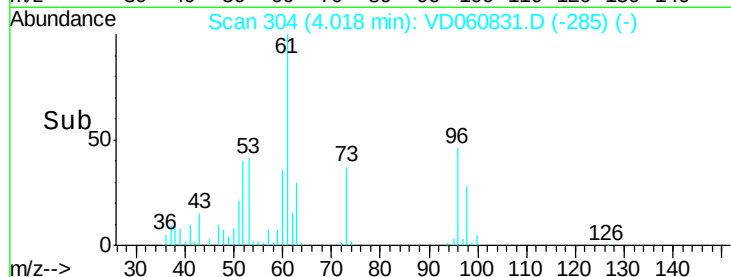
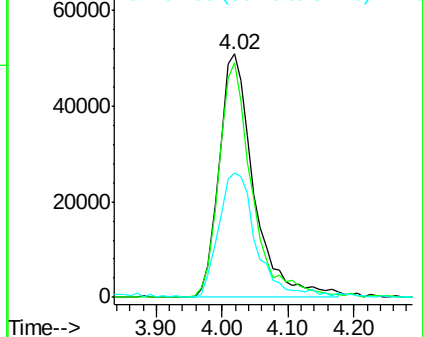
53 100

52 96.6 75.4 113.2

51 51.1 42.5 63.7



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: 350.367 ug/l

RT: 3.11 min Scan# 212

Delta R.T. -0.02 min

Lab File: VD060831.D

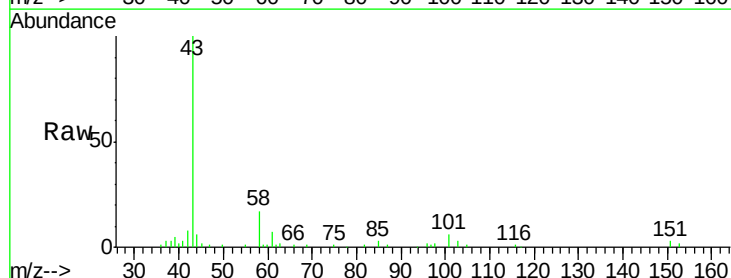
Acq: 1 Feb 2019 20:51

Tgt Ion: 43 Resp: 303121

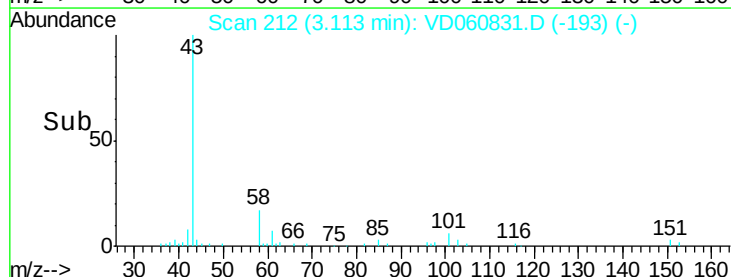
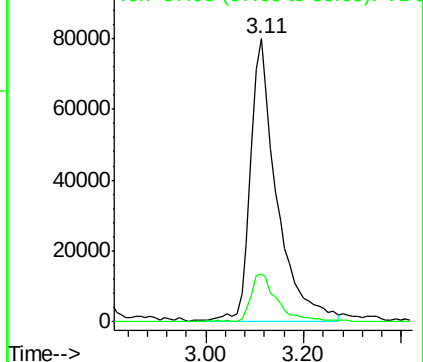
Ion Ratio Lower Upper

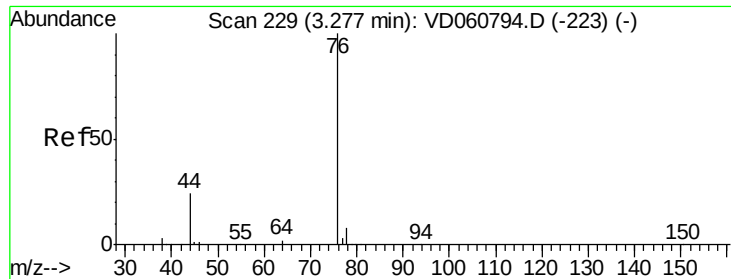
43 100

58 16.8 14.5 21.7



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

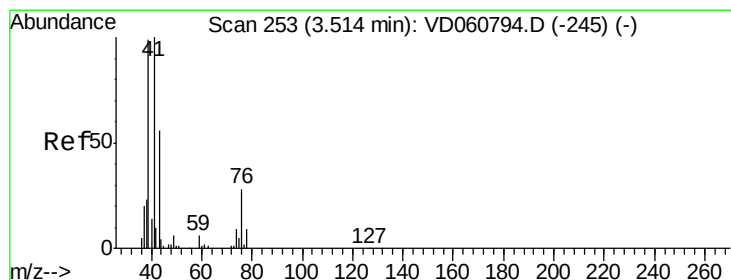
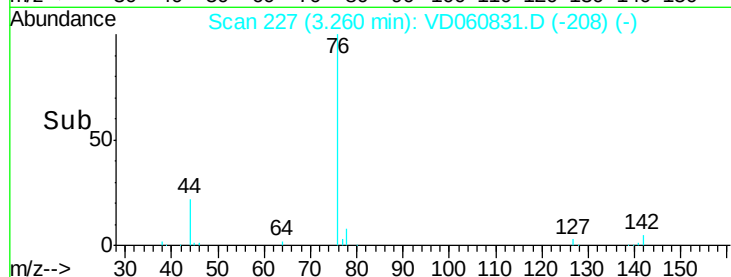
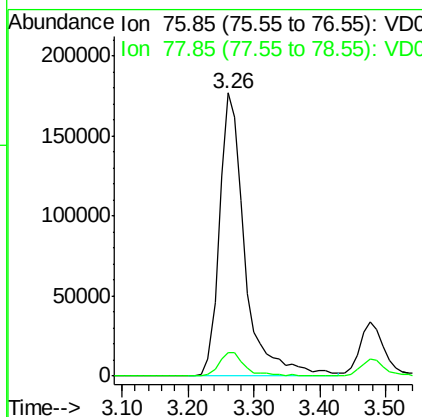
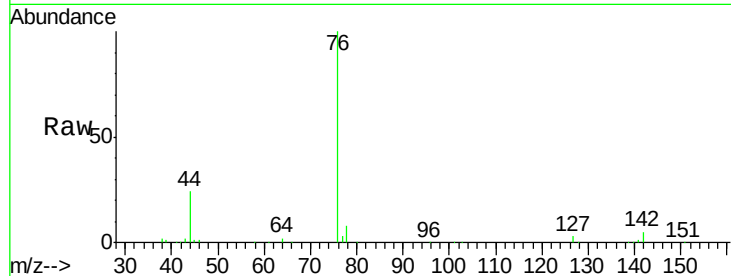




#17
Carbon Disulfide
Concen: 65.243 ug/l
RT: 3.26 min Scan# 227
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

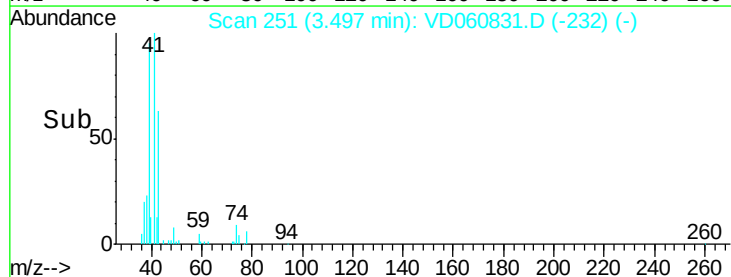
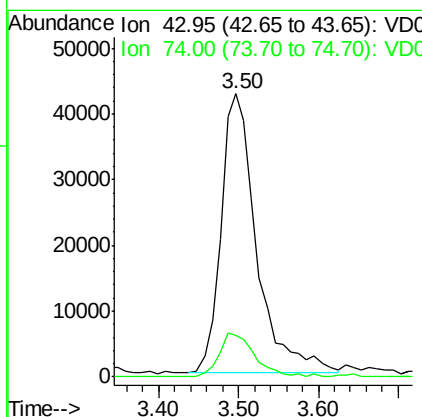
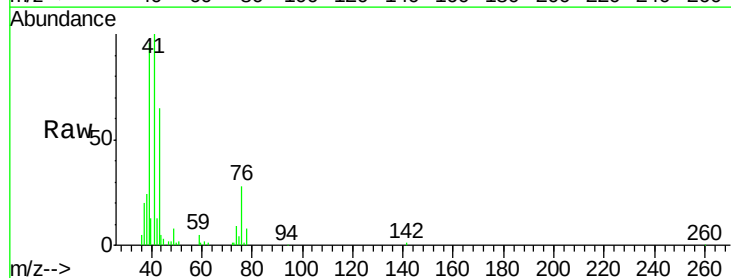
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

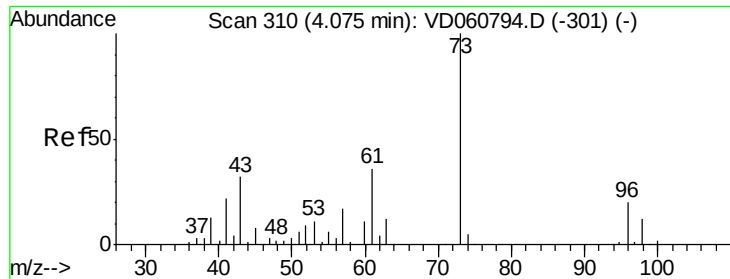
Tot Ion: 76 Resp: 475649
Ion Ratio Lower Upper
76 100
78 8.5 6.5 9.7



#18
Methyl Acetate
Concen: 77.271 ug/l
RT: 3.50 min Scan# 251
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 43 Resp: 132526
Ion Ratio Lower Upper
43 100
74 14.5 12.5 18.7

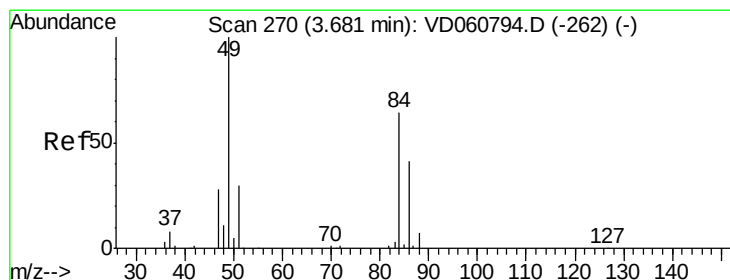
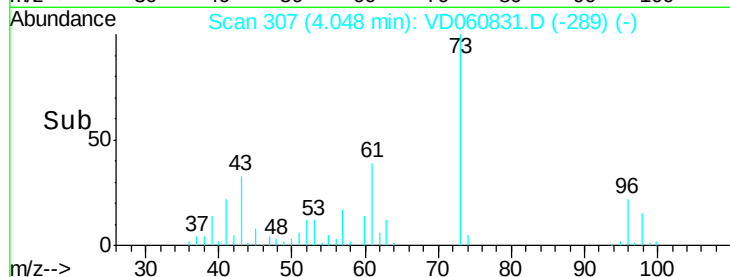
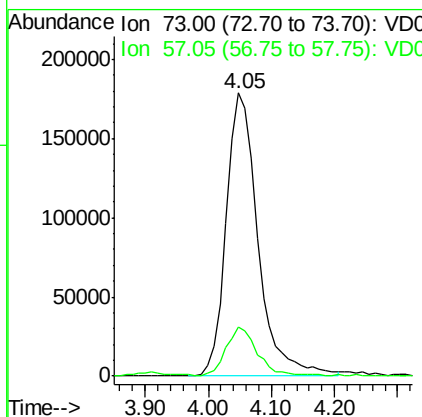
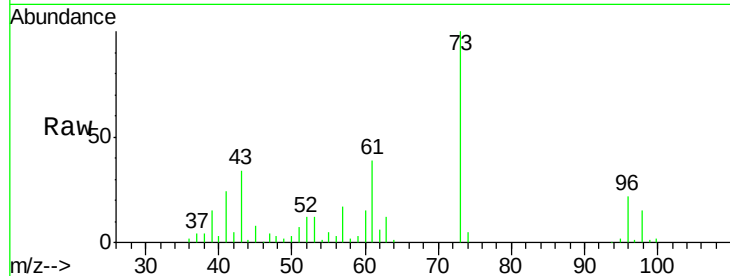




#19
Methyl tert-butyl Ether
Concen: 66.546 ug/l
RT: 4.05 min Scan# 307
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

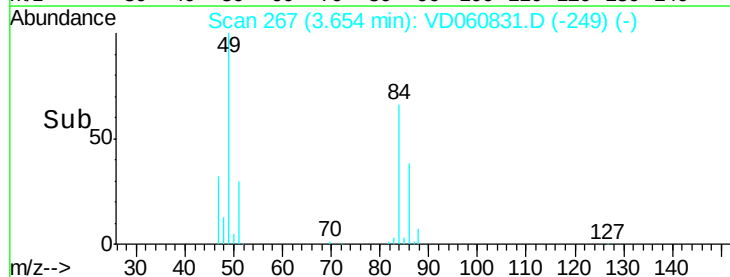
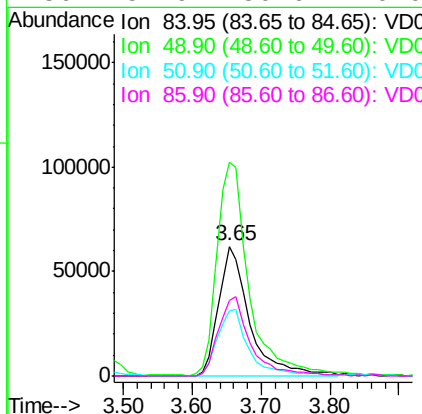
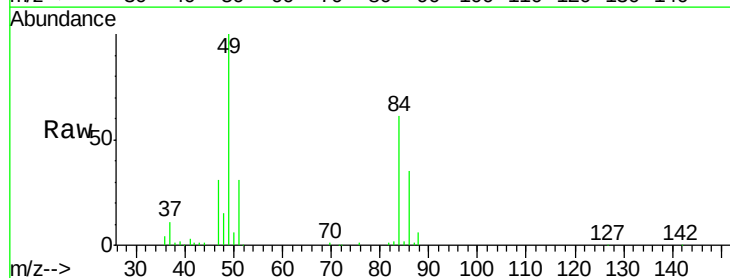
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

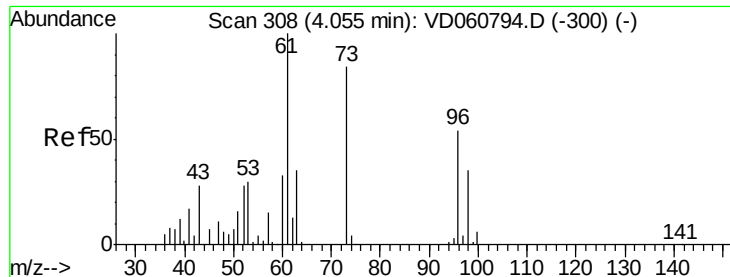
Tot Ion: 73 Resp: 625282
Ion Ratio Lower Upper
73 100
57 17.2 14.0 21.0



#20
Methylene Chloride
Concen: 51.118 ug/l
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 84 Resp: 194069
Ion Ratio Lower Upper
84 100
49 164.6 124.2 186.2
51 50.3 38.1 57.1
86 57.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 56.264 ug/l

RT: 4.03 min Scan# 305

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

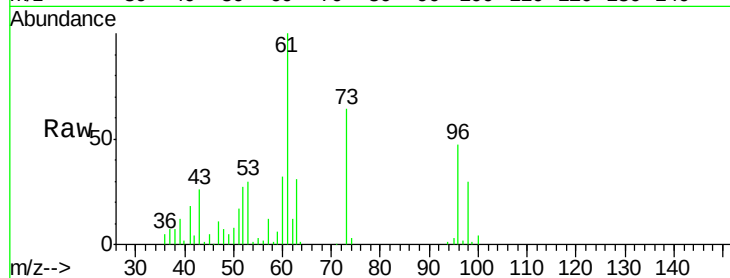
Tot Ion: 96 Resp: 204135

Ion Ratio Lower Upper

96 100

61 212.4 147.4 221.2

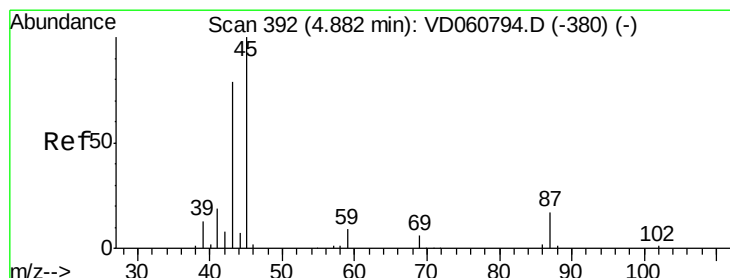
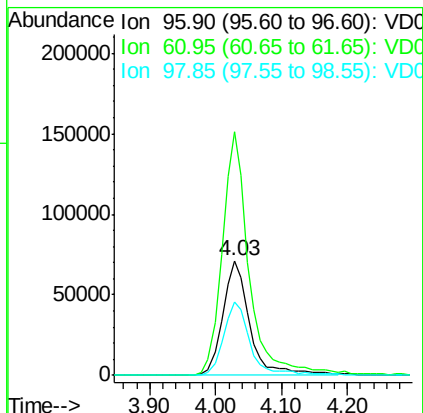
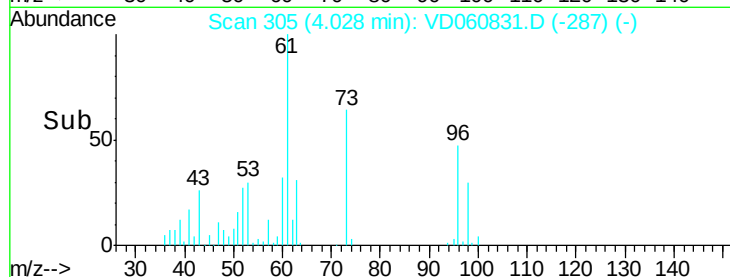
98 64.1 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 57.347 ug/l

RT: 4.86 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion: 45 Resp: 707791

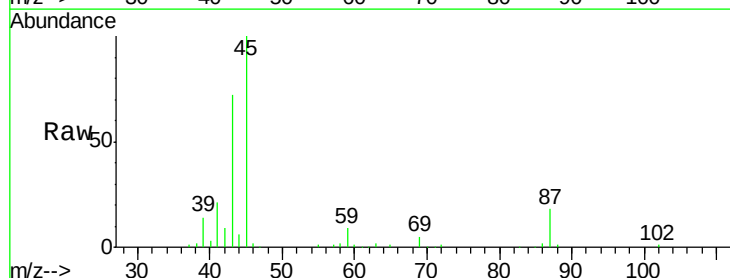
Ion Ratio Lower Upper

45 100

43 72.4 64.3 96.5

87 18.0 14.3 21.5

59 9.1 7.8 11.8

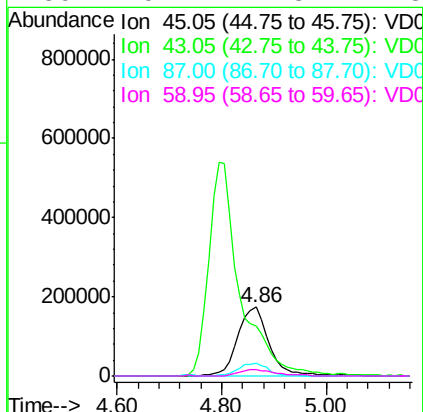
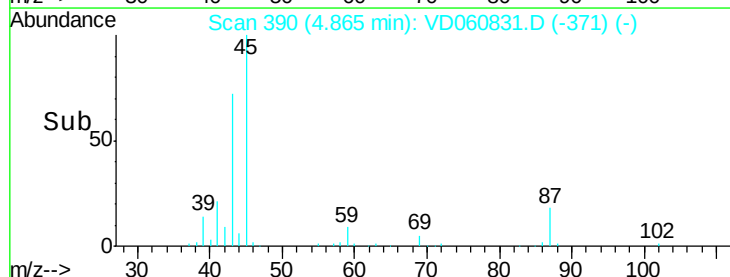


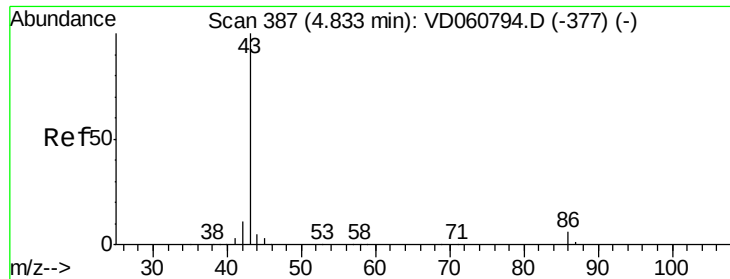
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 313.878 ug/l

RT: 4.80 min Scan# 383

Delta R.T. -0.04 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

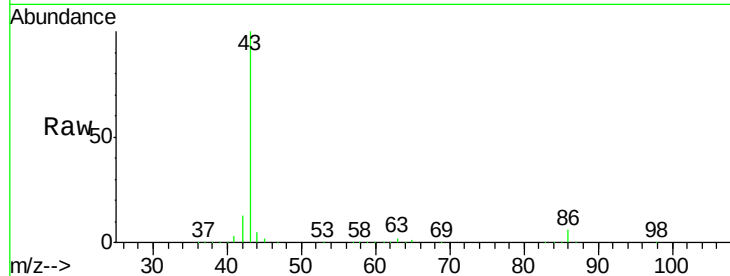
VSTDCCC050EC

Tot Ion: 43 Resp: 2230887

Ion Ratio Lower Upper

43 100

86 5.7 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.80

600000

500000

400000

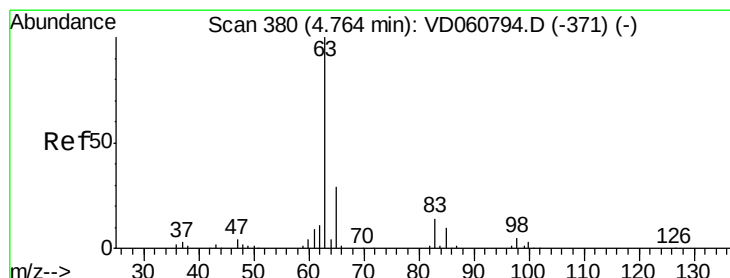
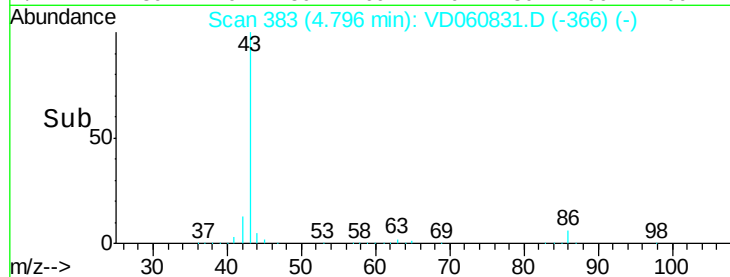
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#24

1,1-Dichloroethane

Concen: 57.542 ug/l

RT: 4.74 min Scan# 377

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

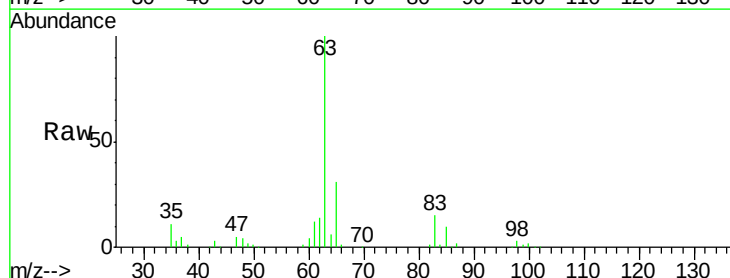
Tgt Ion: 63 Resp: 464930

Ion Ratio Lower Upper

63 100

98 3.5 2.3 6.9

100 2.0 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.74

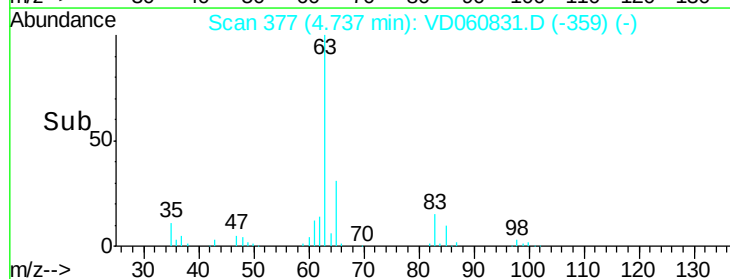
150000

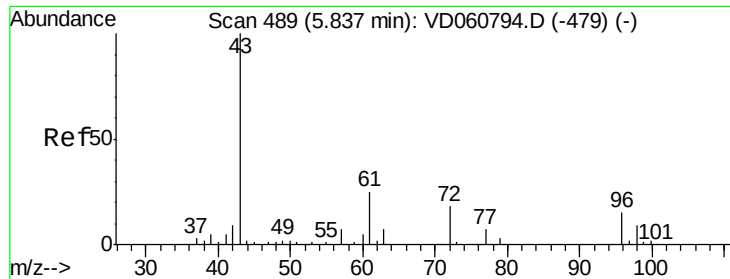
100000

50000

0

Time--> 4.60 4.70 4.80 4.90





#25

2-Butanone

Concen: 321.054 ug/l

RT: 5.81 min Scan# 486

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

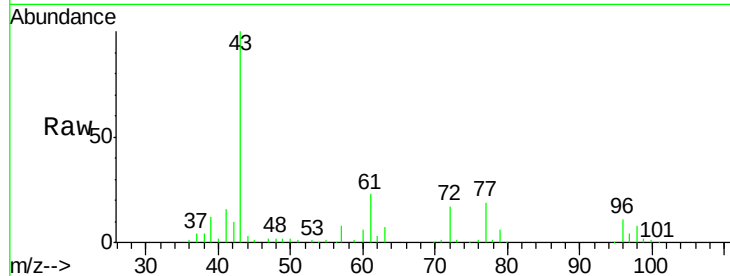
VSTDCCC050EC

Tot Ion: 43 Resp: 355521

Ion Ratio Lower Upper

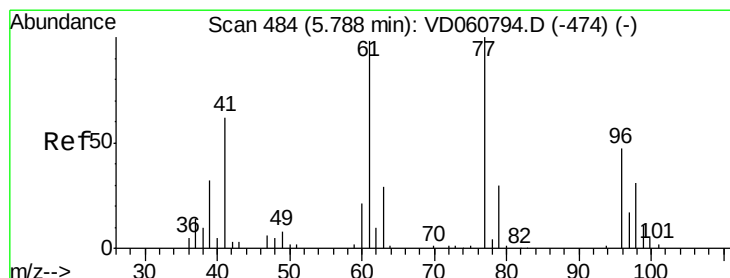
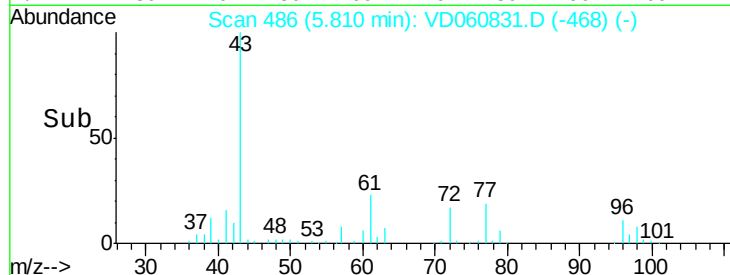
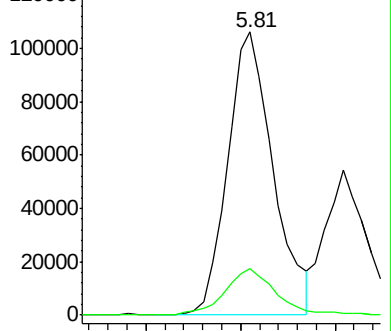
43 100

72 16.5 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 65.742 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD060831.D

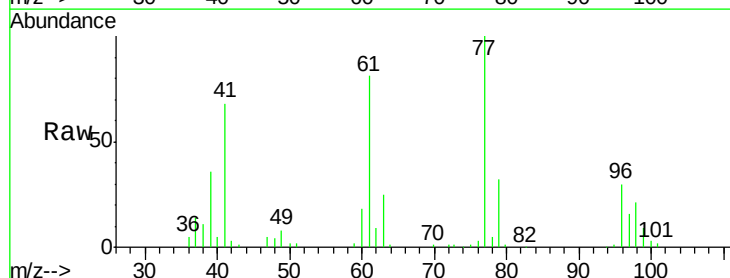
Acq: 1 Feb 2019 20:51

Tgt Ion: 77 Resp: 559683

Ion Ratio Lower Upper

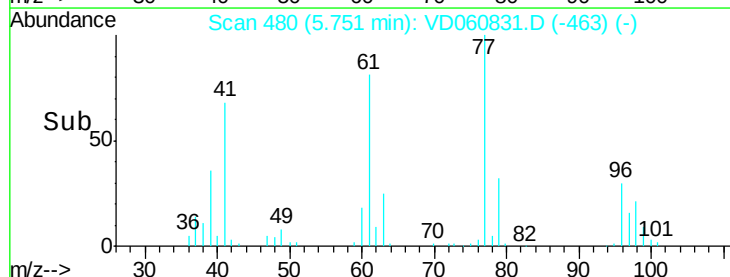
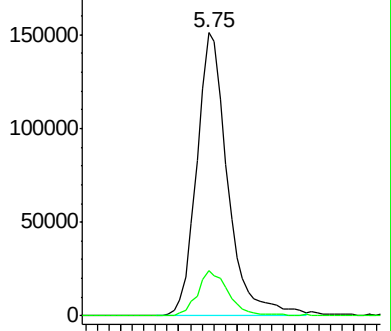
77 100

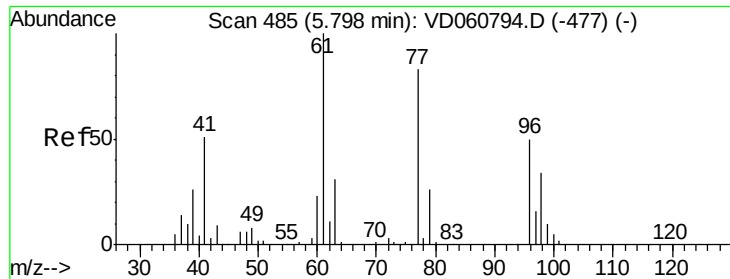
97 16.0 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



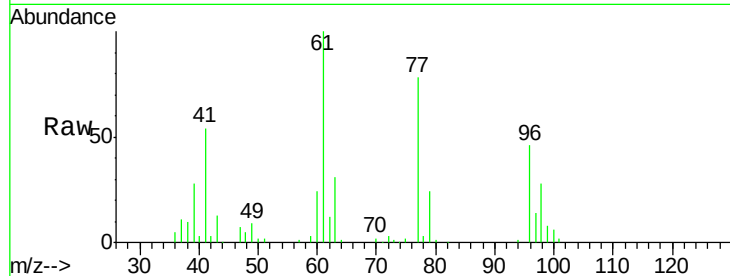


#27

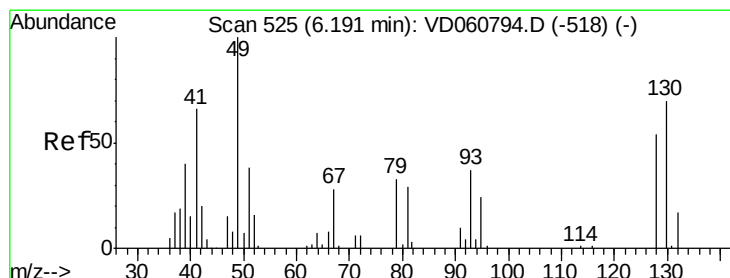
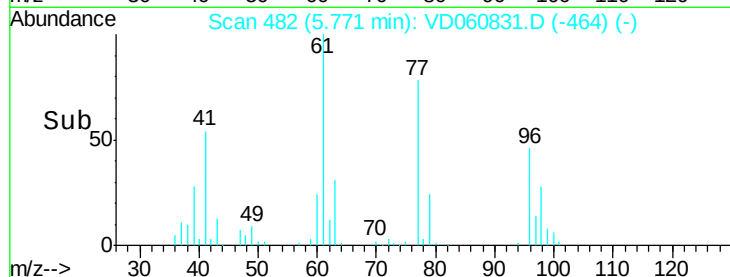
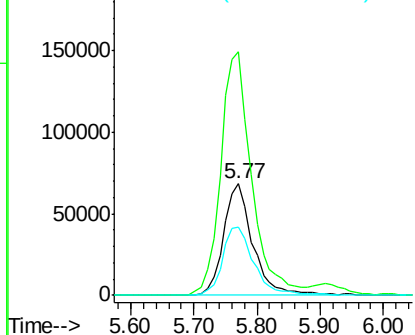
cis-1,2-Dichloroethene
Concen: 53.220 ug/l
RT: 5.77 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	218.4	0.0	400.0
98	60.9	0.0	136.4



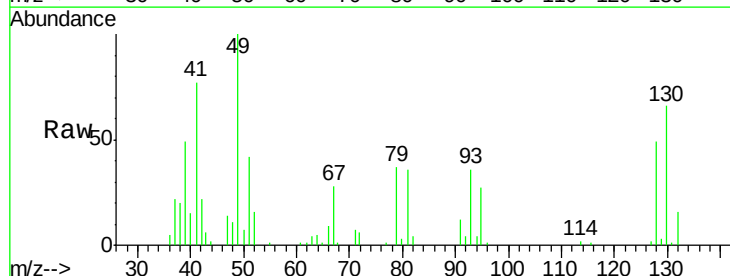
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



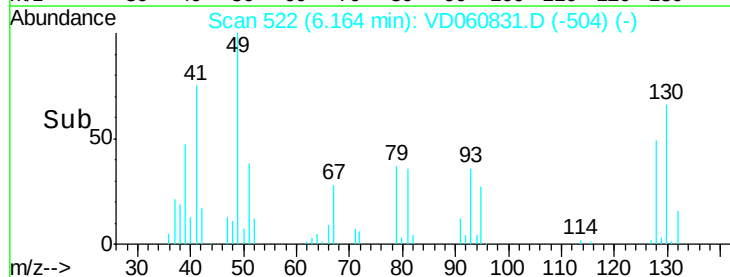
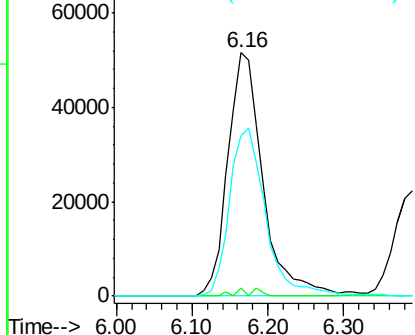
#28

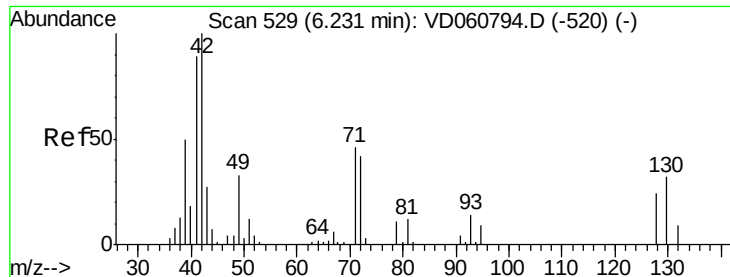
Bromochloromethane
Concen: 52.362 ug/l
RT: 6.16 min Scan# 522
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	0.0#
130	66.1	56.1	84.1



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

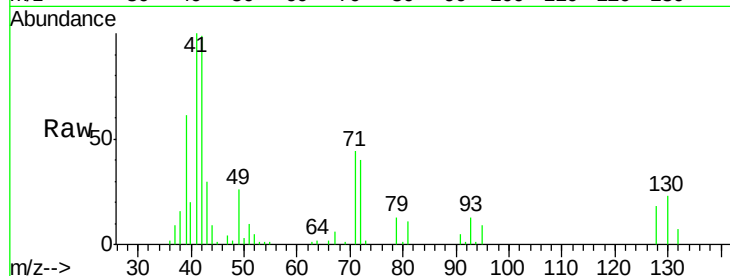




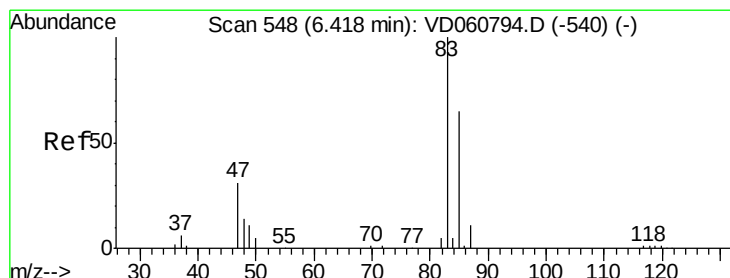
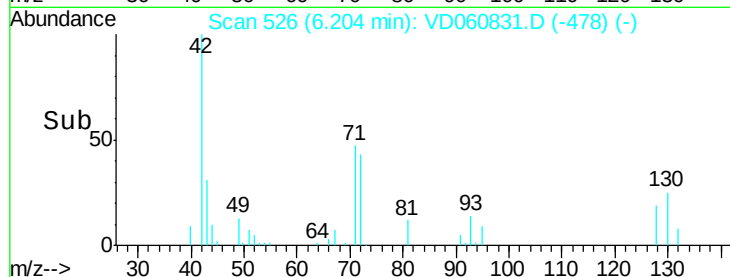
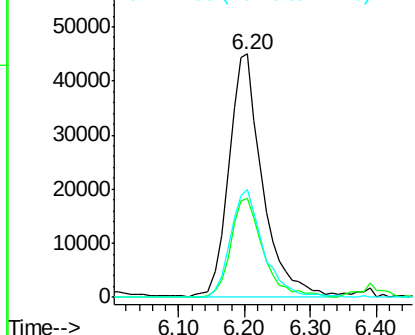
#29
Tetrahydrofuran
Concen: 303.237 ug/l
RT: 6.20 min Scan# 526
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 161254
Ion Ratio Lower Upper
42 100
72 39.1 32.8 49.2
71 42.9 34.6 52.0

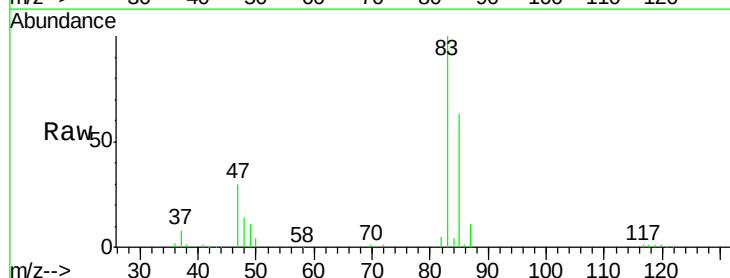


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

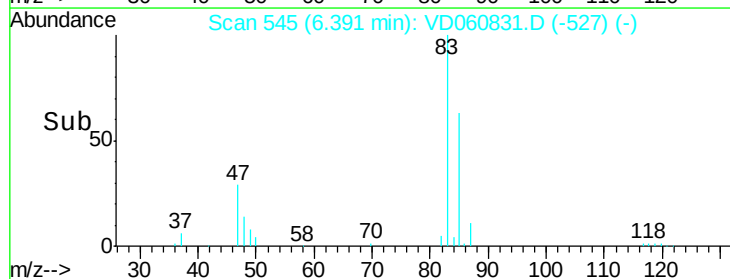
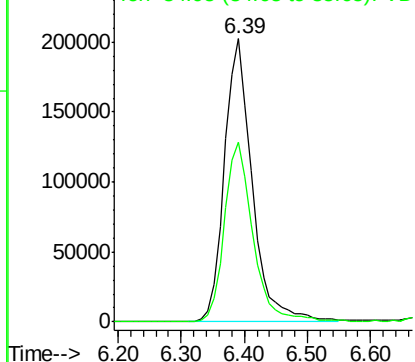


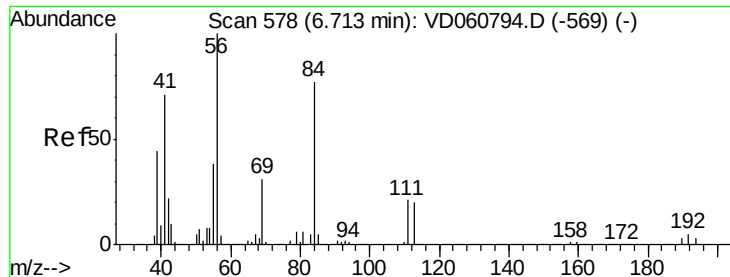
#30
Chloroform
Concen: 64.737 ug/l
RT: 6.39 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 83 Resp: 618219
Ion Ratio Lower Upper
83 100
85 63.3 52.3 78.5



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

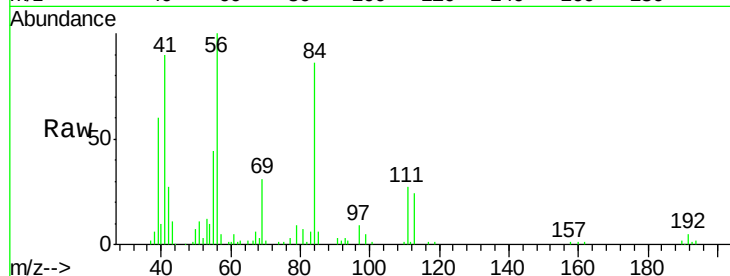




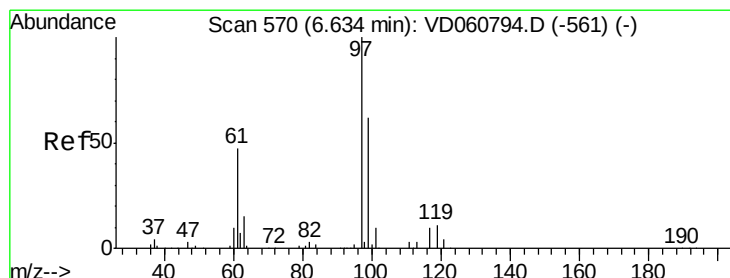
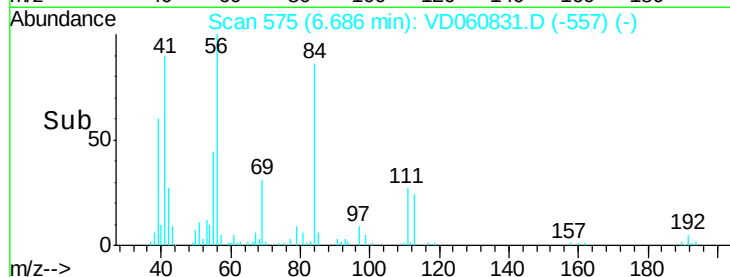
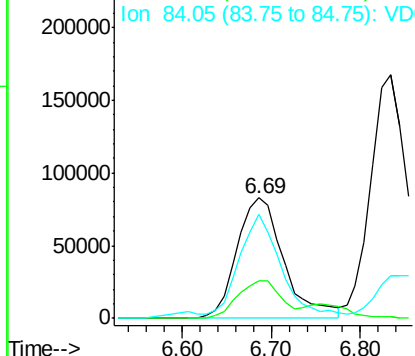
#31
Cyclohexane
Concen: 55.045 ug/l
RT: 6.69 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 302604
Ion Ratio Lower Upper
56 100
69 31.3 25.1 37.7
84 86.3 63.9 95.9

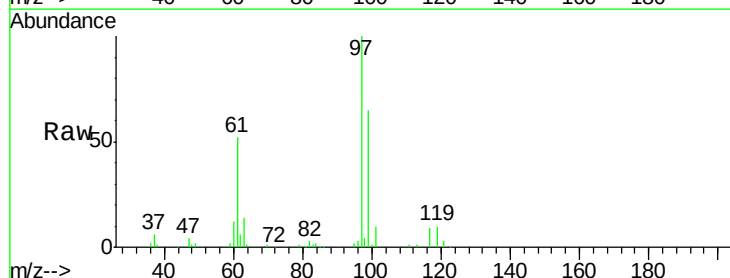


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

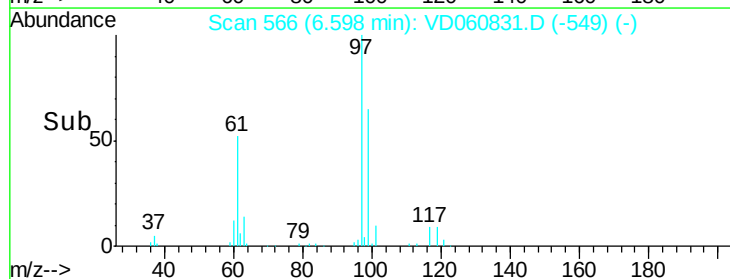
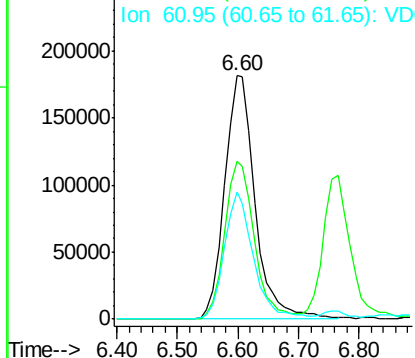


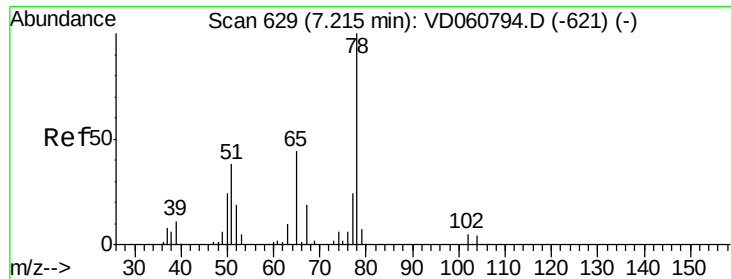
#32
1,1,1-Trichloroethane
Concen: 68.850 ug/l
RT: 6.60 min Scan# 566
Delta R.T. -0.04 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 97 Resp: 633171
Ion Ratio Lower Upper
97 100
99 64.8 49.6 74.4
61 52.2 37.4 56.2



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

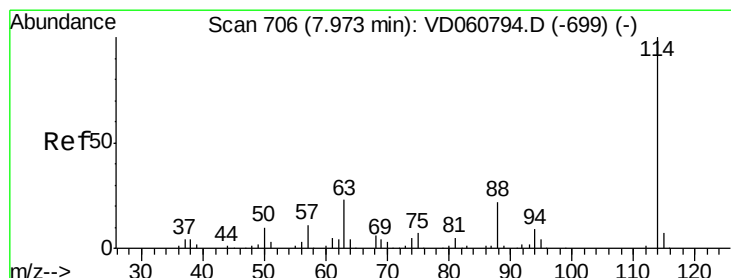
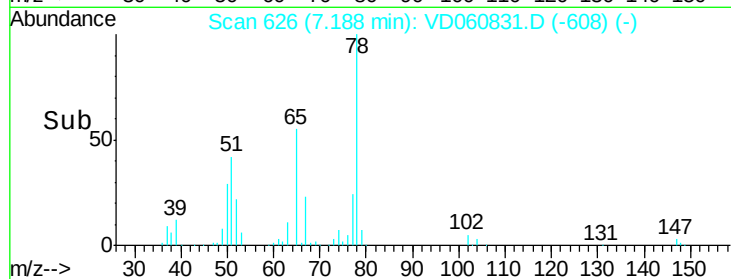
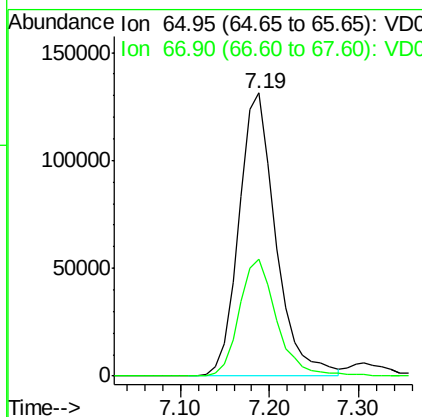
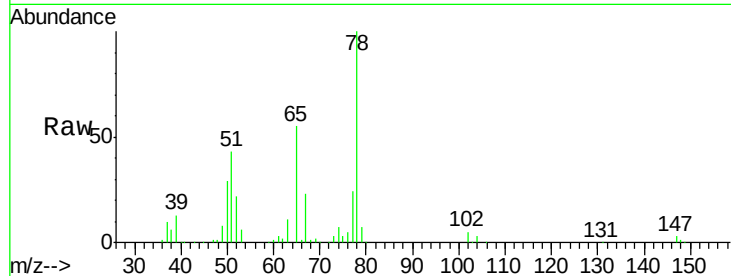




#33
 1,2-Dichloroethane-d4
 Concen: 68.850 ug/l
 RT: 7.19 min Scan# 626
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

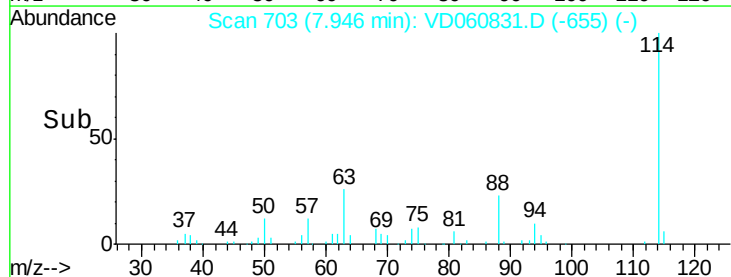
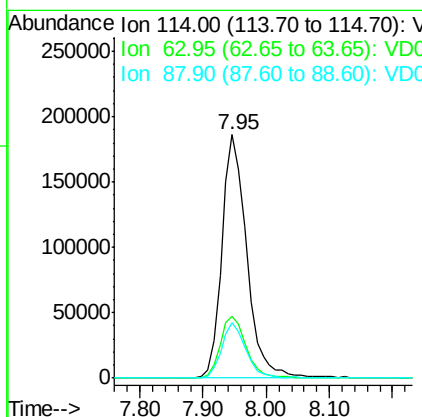
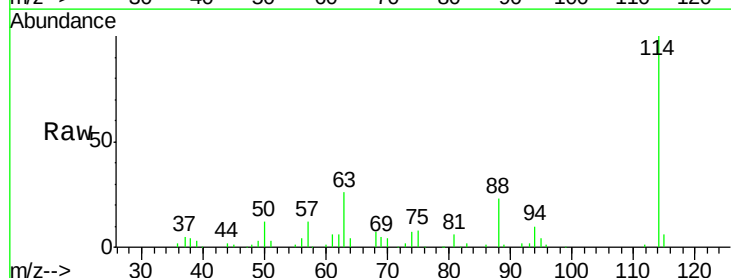
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

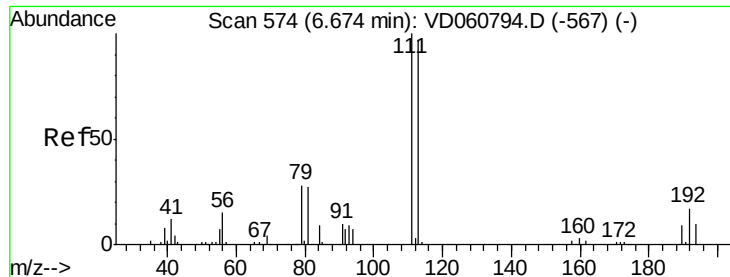
Tot Ion: 65 Resp: 376529
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 114 Resp: 512135
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 46.6
 88 22.9 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.65 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

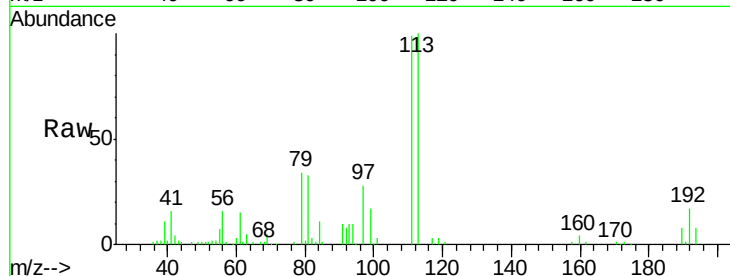
Tot Ion:113 Resp: 298101

Ion Ratio Lower Upper

113 100

111 99.3 82.3 123.5

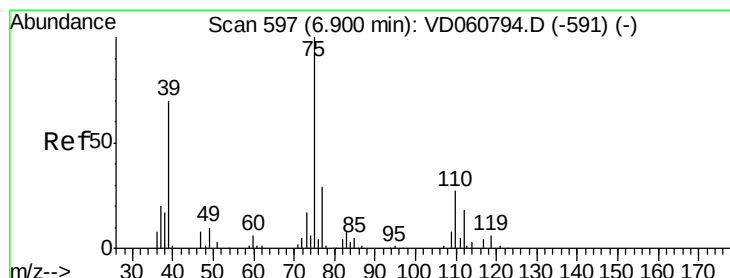
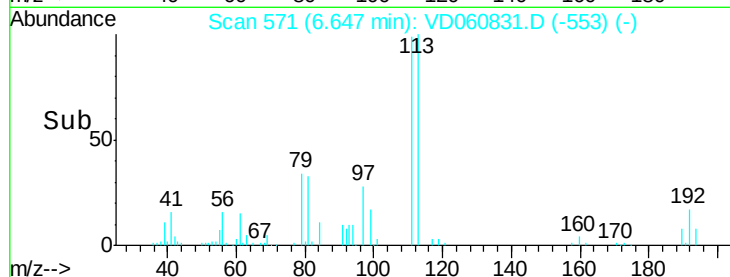
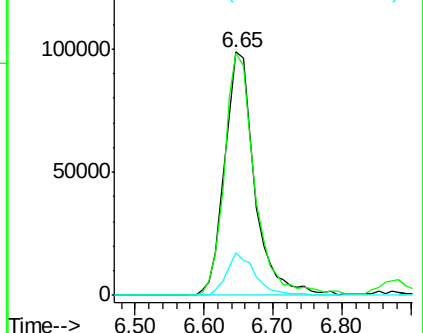
192 17.3 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 65.471 ug/l

RT: 6.87 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

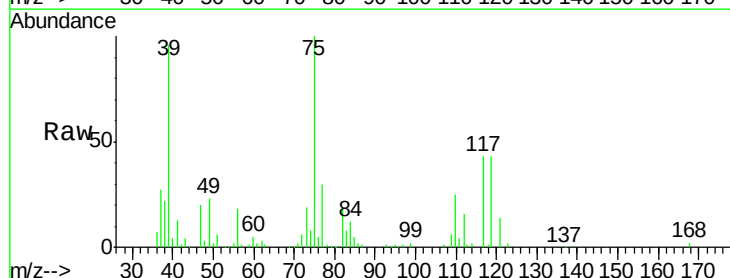
Tgt Ion: 75 Resp: 400344

Ion Ratio Lower Upper

75 100

110 24.6 13.5 40.4

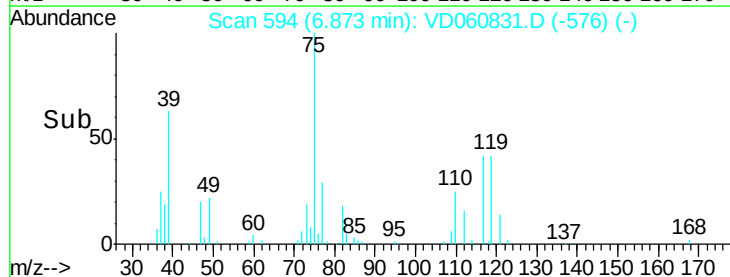
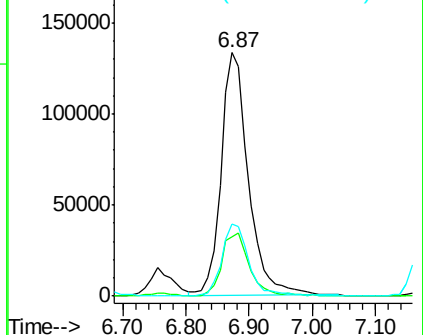
77 29.6 23.4 35.2

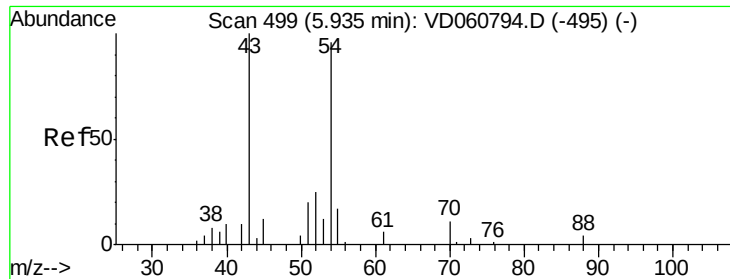


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 63.359 ug/l

RT: 5.91 min Scan# 496

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

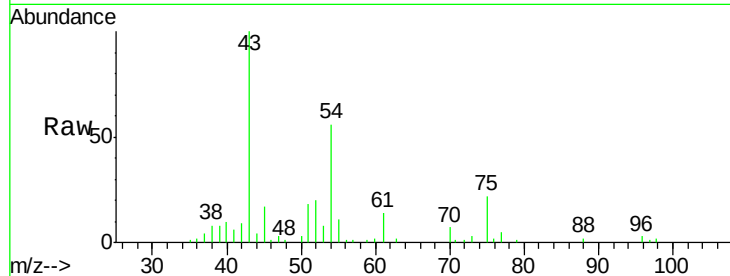
Tot Ion: 43 Resp: 172944

Ion Ratio Lower Upper

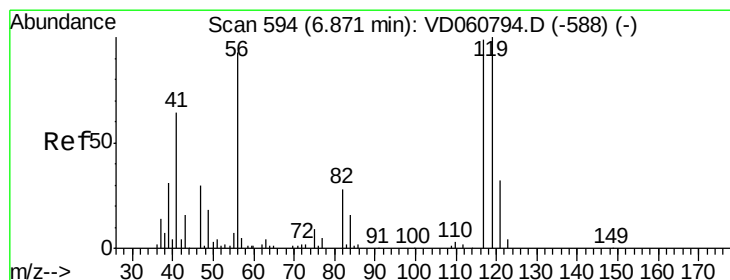
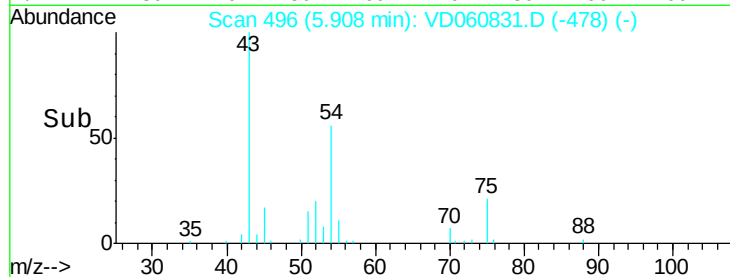
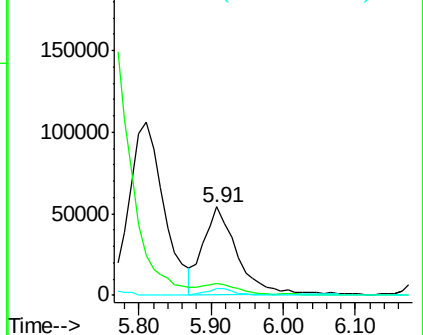
43 100

61 14.0 12.3 18.5

70 7.5 7.4 11.0



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



#38

Carbon Tetrachloride

Concen: 74.343 ug/l

RT: 6.84 min Scan# 591

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

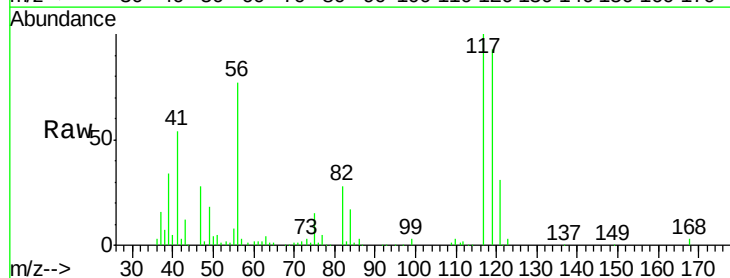
Tgt Ion: 117 Resp: 570041

Ion Ratio Lower Upper

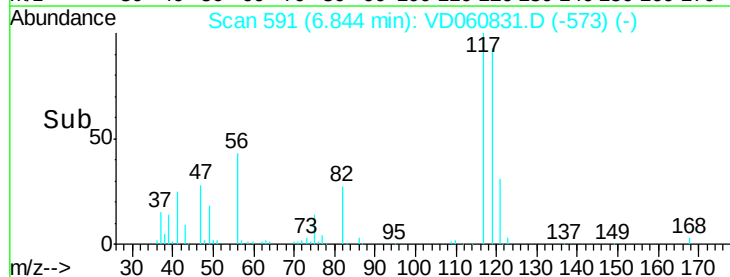
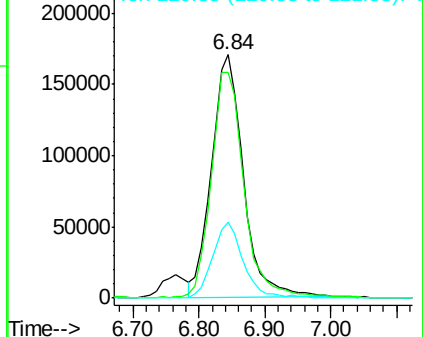
117 100

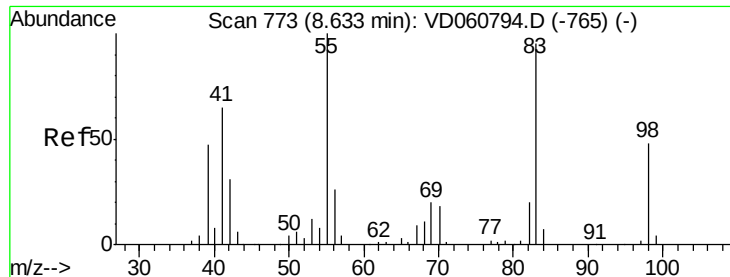
119 92.8 75.6 113.4

121 31.1 23.4 35.2



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

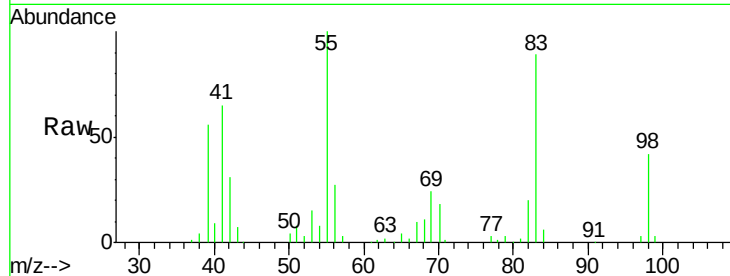




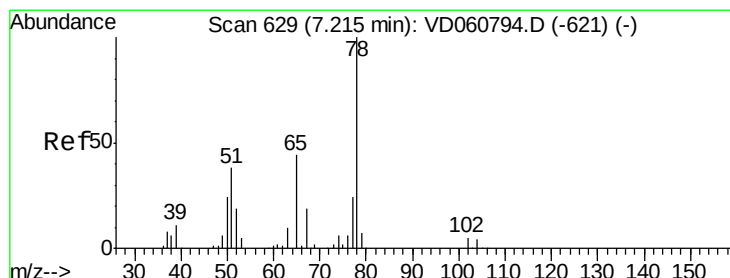
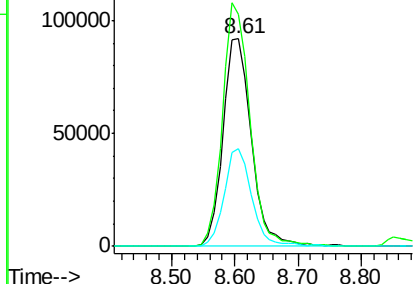
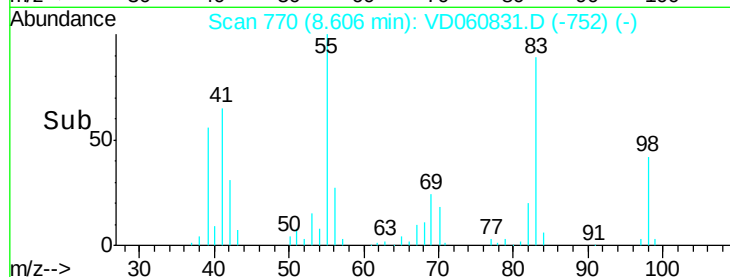
#39
Methylvlcyclohexane
Concen: 56.216 ug/l
RT: 8.61 min Scan# 770
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 287874
Ion Ratio Lower Upper
83 100
55 112.0 83.8 125.8
98 47.4 39.8 59.8

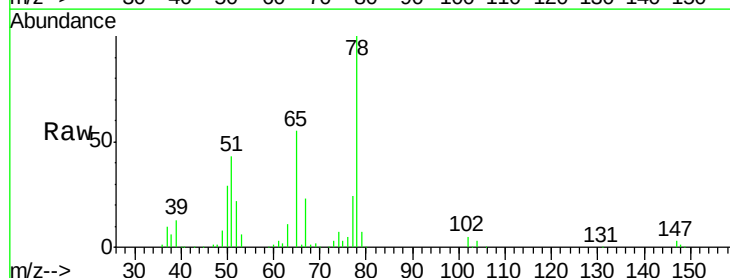


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

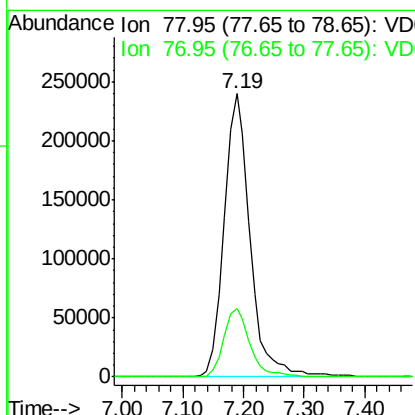
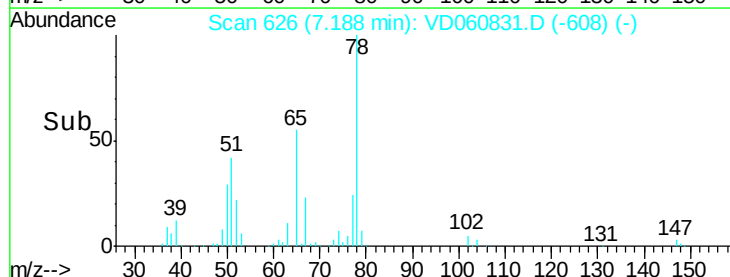


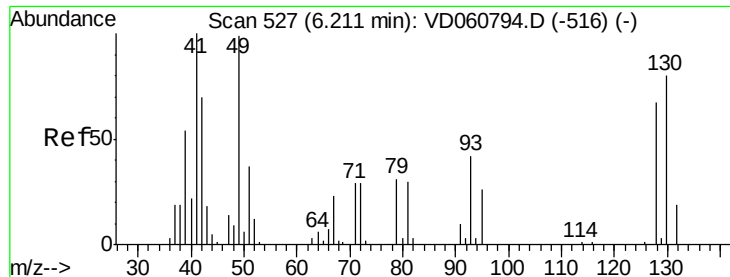
#40
Benzene
Concen: 59.010 ug/l
RT: 7.19 min Scan# 626
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 78 Resp: 712158
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3



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





#41

Methacrylonitrile

Concen: 135.298 ug/l

RT: 6.19 min Scan# 525

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 234541

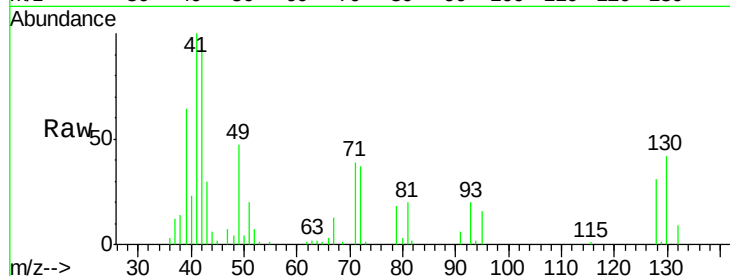
Ion Ratio Lower Upper

41 100

39 63.8 43.6 65.4

67 13.2 18.5 27.7#

52 7.4 10.2 15.2#

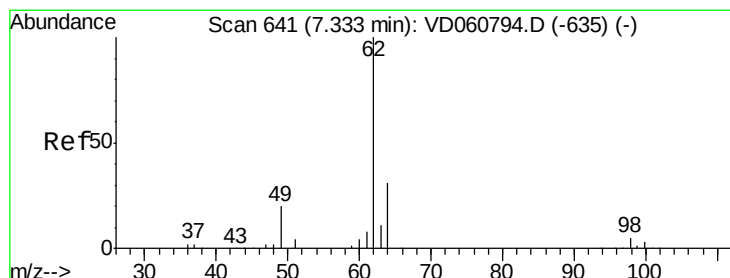
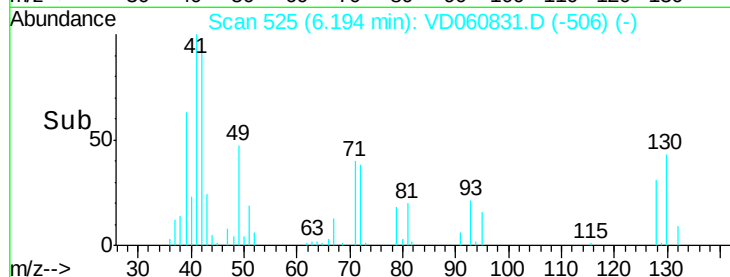
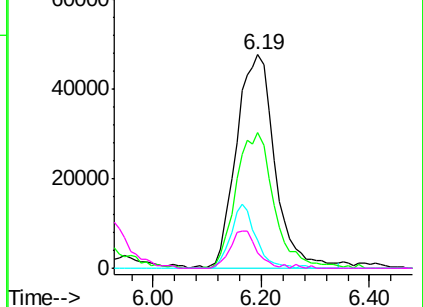


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 77.633 ug/l

RT: 7.31 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD060831.D

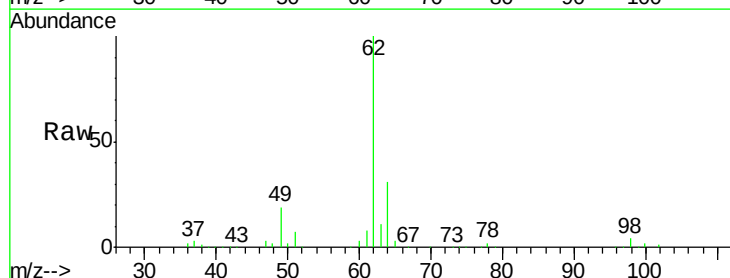
Acq: 1 Feb 2019 20:51

Tgt Ion: 62 Resp: 544289

Ion Ratio Lower Upper

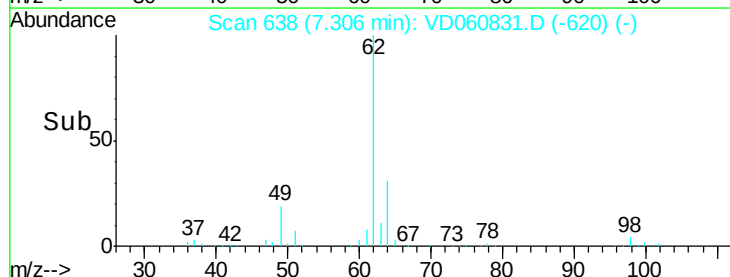
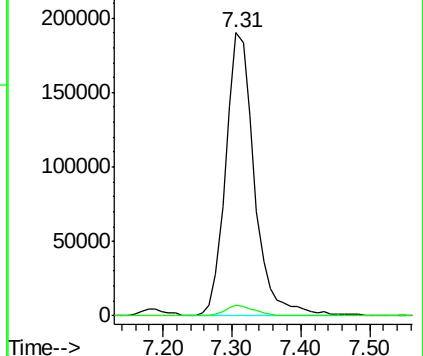
62 100

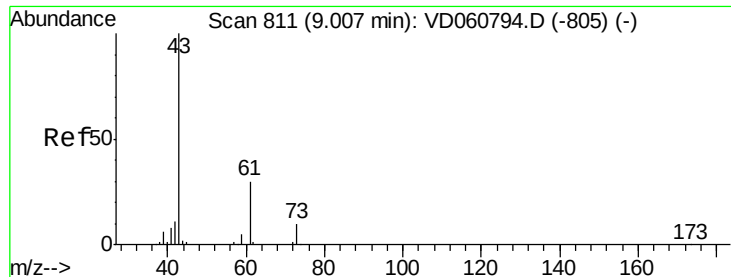
98 3.9 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 64.492 ug/l

RT: 8.98 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

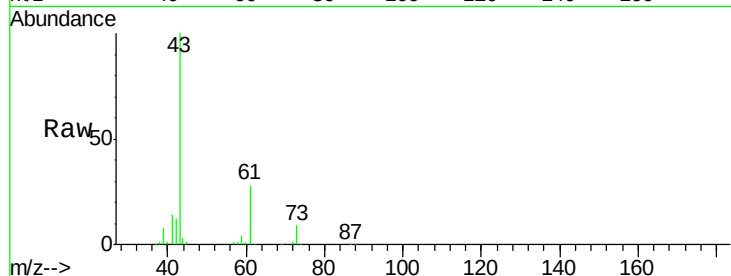
Tot Ion: 43 Resp: 229599

Ion Ratio Lower Upper

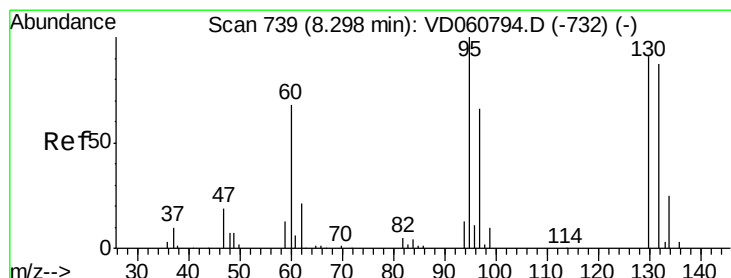
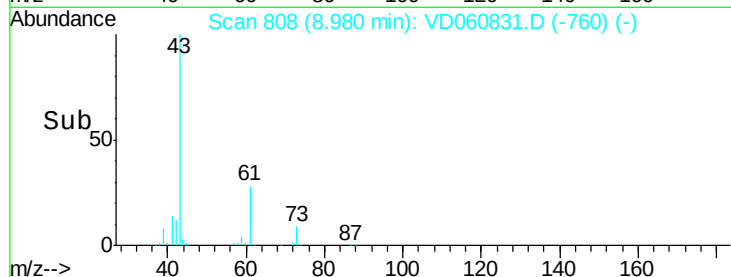
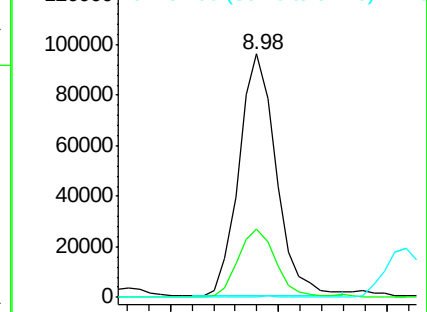
43 100

61 27.9 24.1 36.1

87 0.4 0.0 0.0#



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



#44

Trichloroethene

Concen: 60.018 ug/l

RT: 8.27 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD060831.D

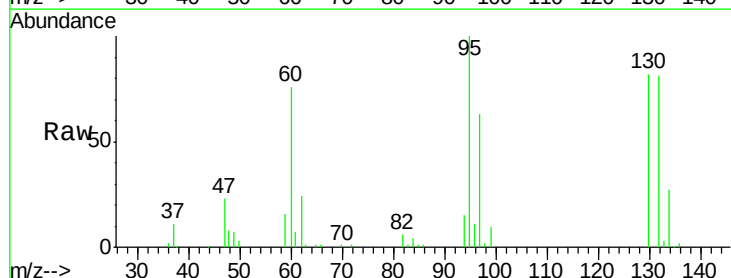
Acq: 1 Feb 2019 20:51

Tgt Ion:130 Resp: 245547

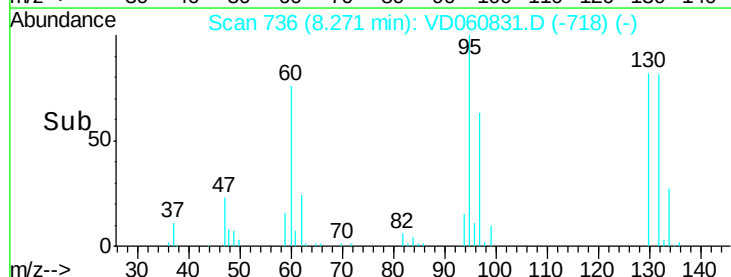
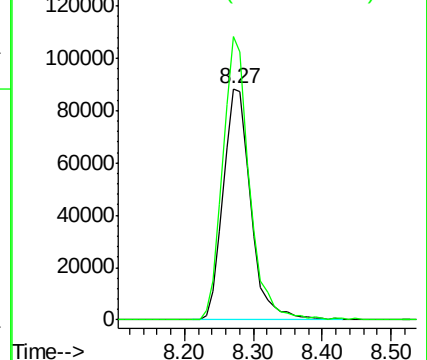
Ion Ratio Lower Upper

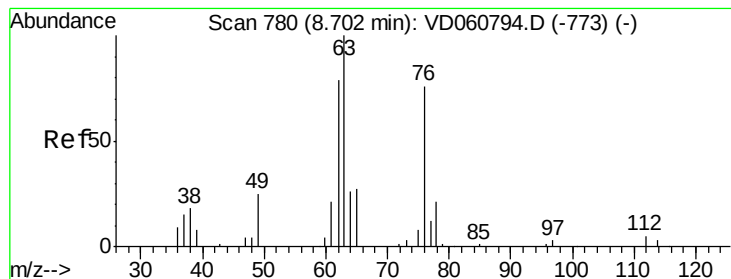
130 100

95 122.3 0.0 221.0



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





#45

1,2-Dichloropropane

Concen: 58.796 ug/l

RT: 8.67 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

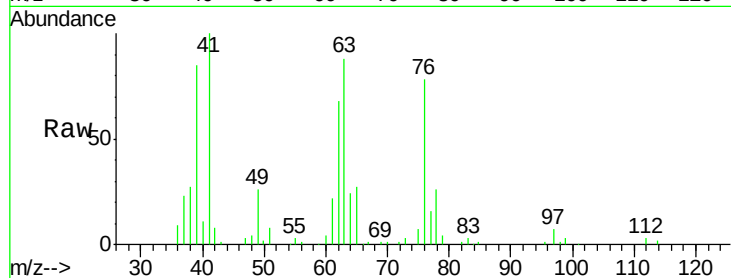
VSTDCCC050EC

Tot Ion: 63 Resp: 192084

Ion Ratio Lower Upper

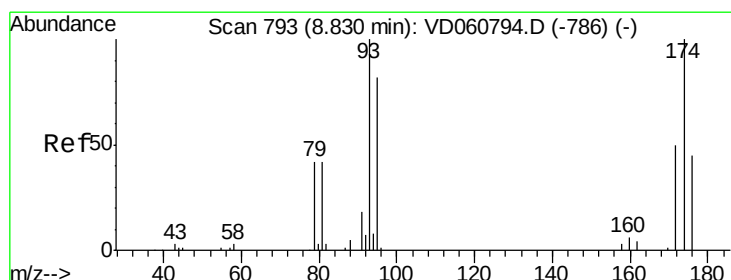
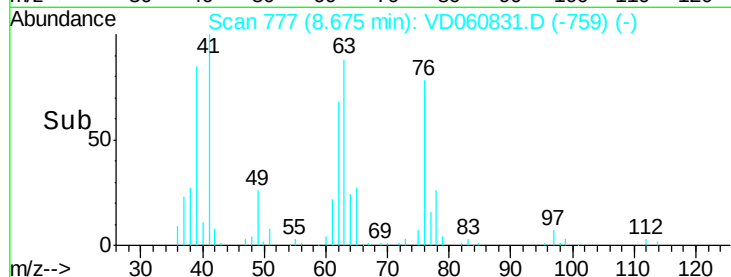
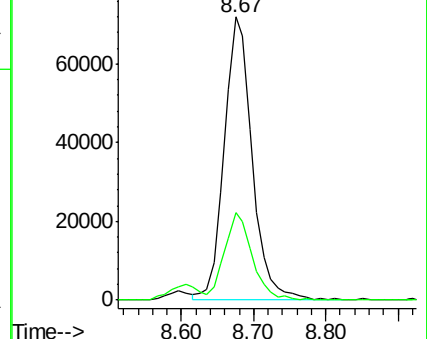
63 100

65 31.1 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 69.673 ug/l

RT: 8.80 min Scan# 790

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

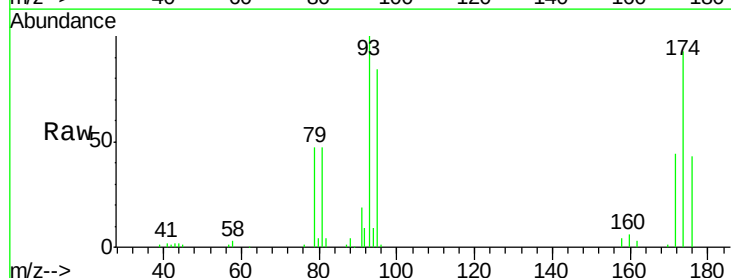
Tgt Ion: 93 Resp: 176699

Ion Ratio Lower Upper

93 100

95 83.9 65.8 98.8

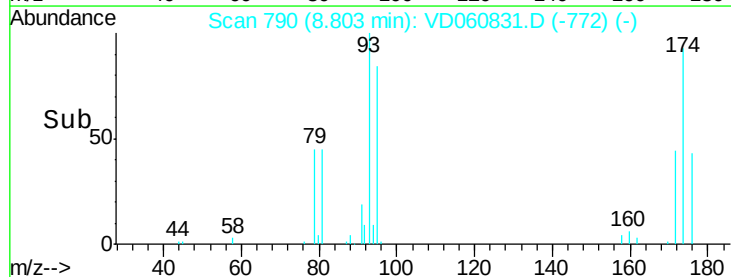
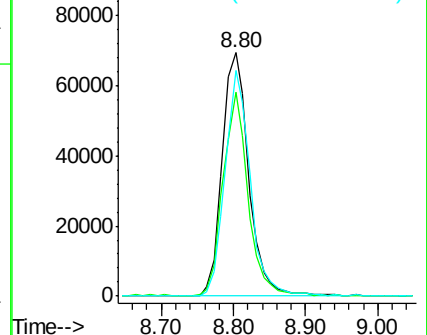
174 92.6 79.8 119.6

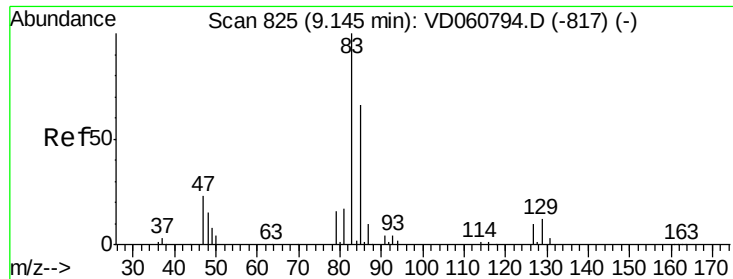


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 71.266 ug/l

RT: 9.12 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

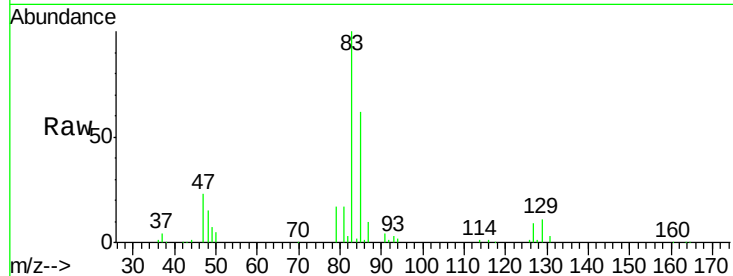
Tot Ion: 83 Resp: 487850

Ion Ratio Lower Upper

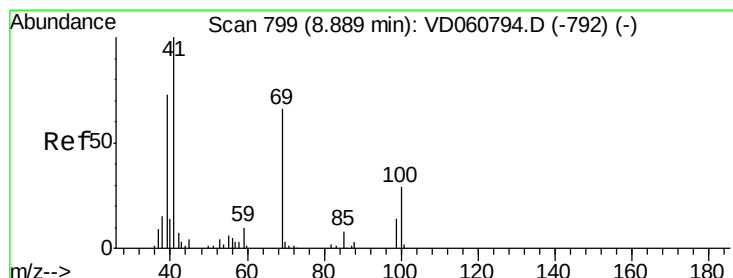
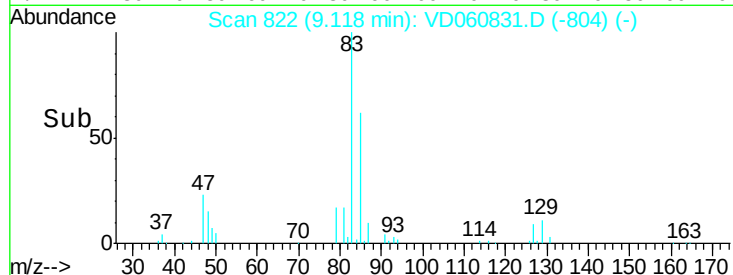
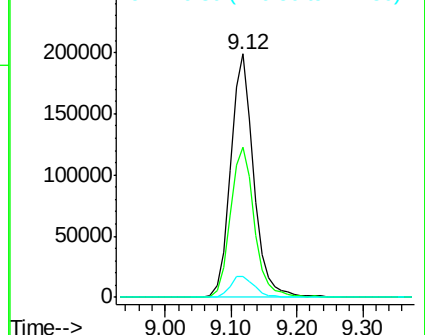
83 100

85 61.6 52.6 79.0

127 8.6 7.7 11.5



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



#48

Methyl methacrylate

Concen: 67.349 ug/l

RT: 8.86 min Scan# 796

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

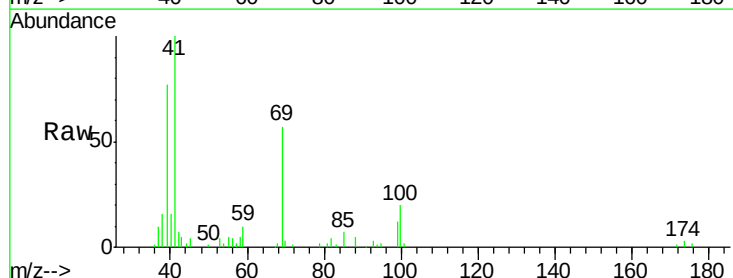
Tgt Ion: 41 Resp: 165343

Ion Ratio Lower Upper

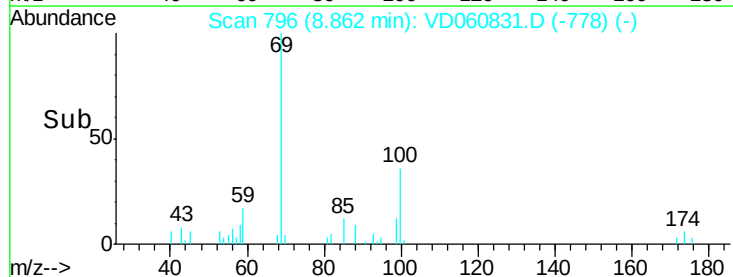
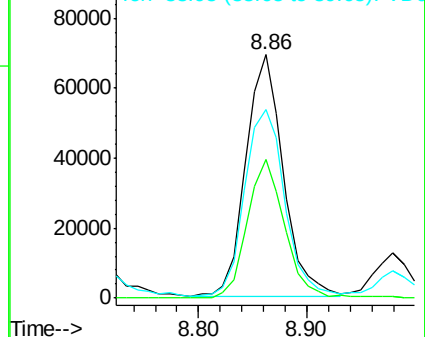
41 100

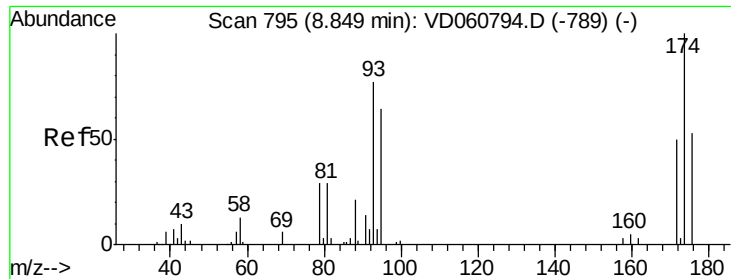
69 56.9 52.5 78.7

39 77.3 59.0 88.6



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

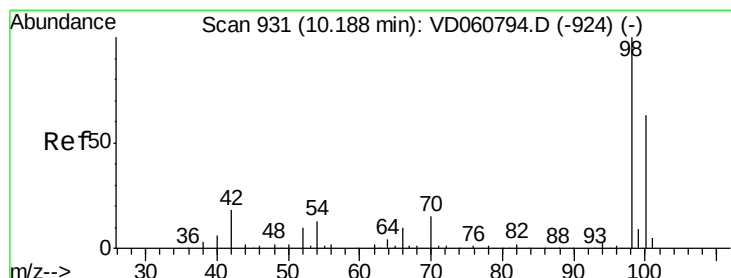
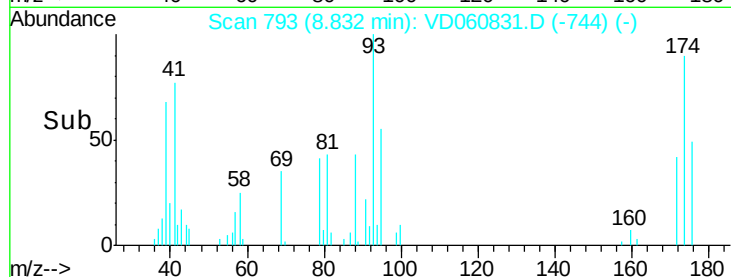
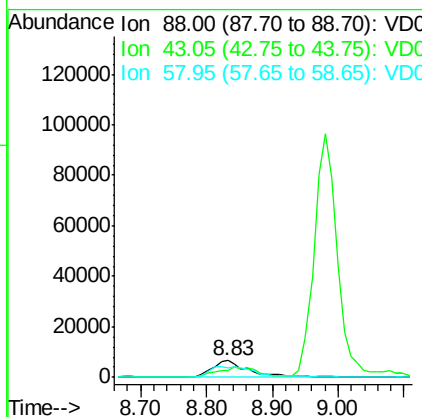
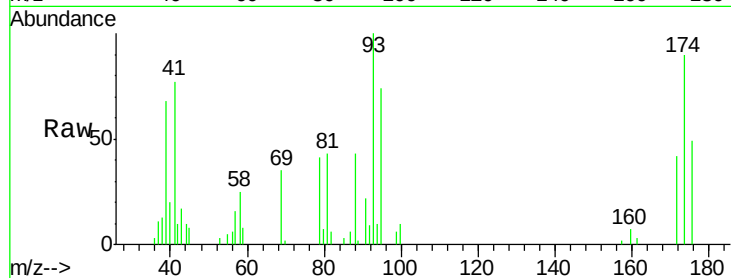




#49
1,4-Dioxane
Concen: 1178.262 ug/l
RT: 8.83 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

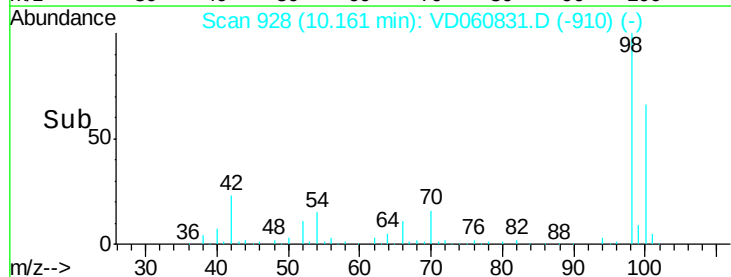
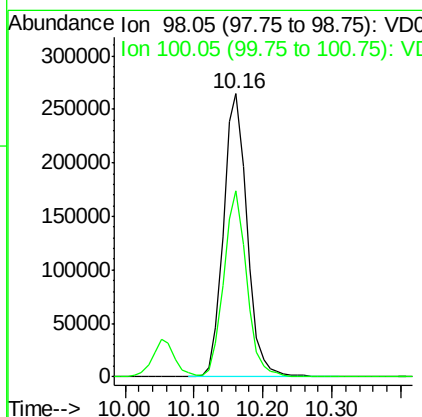
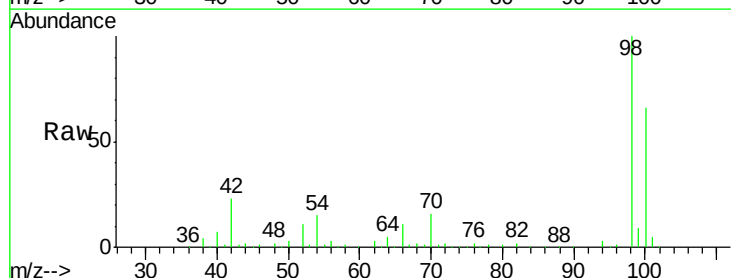
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

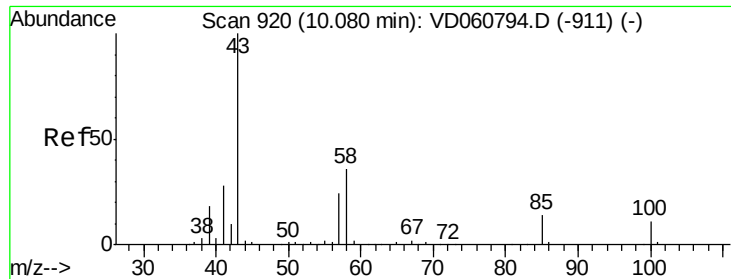
Tot Ion: 88 Resp: 25201
Ion Ratio Lower Upper
88 100
43 39.8 40.9 61.3#
58 58.7 52.2 78.4



#50
Toluene-d8
Concen: 1178.262 ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 98 Resp: 629501
Ion Ratio Lower Upper
98 100
100 65.7 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 361.175 ug/l

RT: 10.05 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

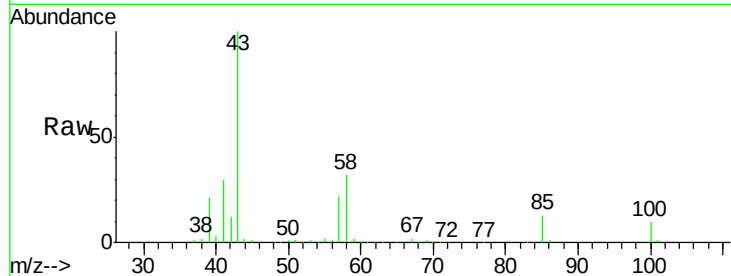
VSTDCCC050EC

Tot Ion: 43 Resp: 832689

Ion Ratio Lower Upper

43 100

58 31.8 28.4 42.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.05

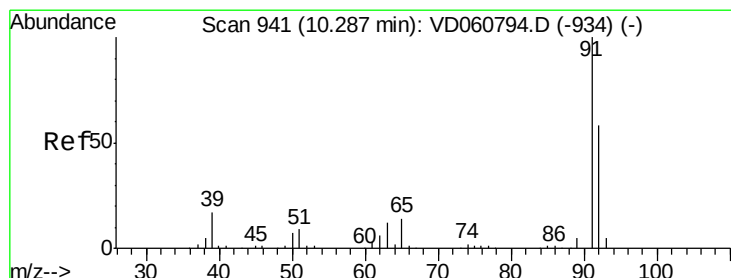
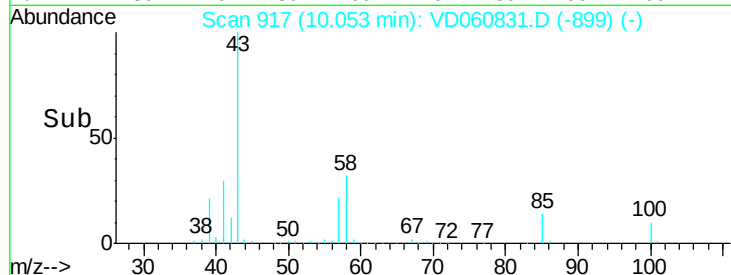
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 60.481 ug/l

RT: 10.26 min Scan# 938

Delta R.T. -0.03 min

Lab File: VD060831.D

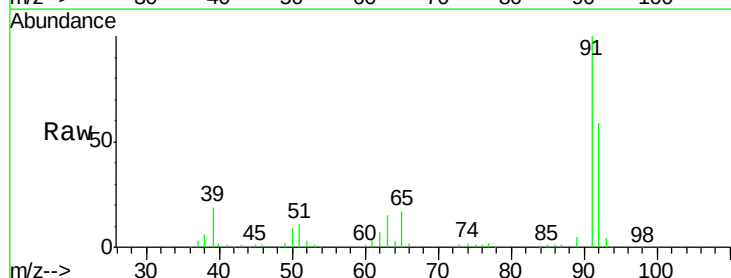
Acq: 1 Feb 2019 20:51

Tgt Ion: 92 Resp: 463000

Ion Ratio Lower Upper

92 100

91 170.3 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.26

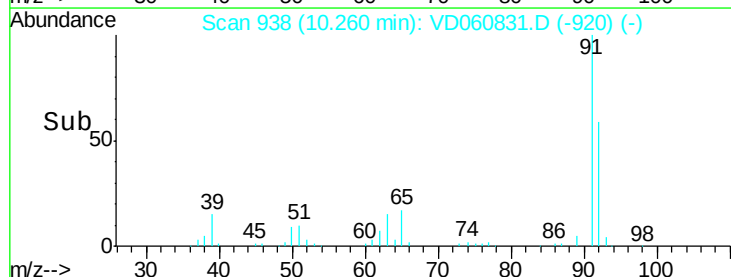
300000

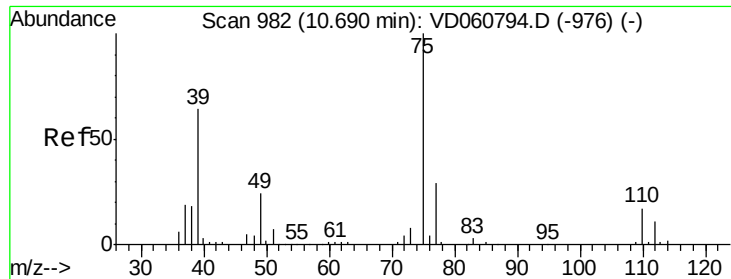
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 67.149 ug/l

RT: 10.66 min Scan# 979

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

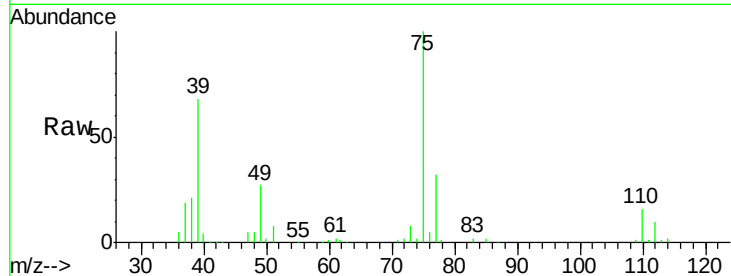
VSTDCCC050EC

Tot Ion: 75 Resp: 404335

Ion Ratio Lower Upper

75 100

77 31.5 23.0 34.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.66

200000

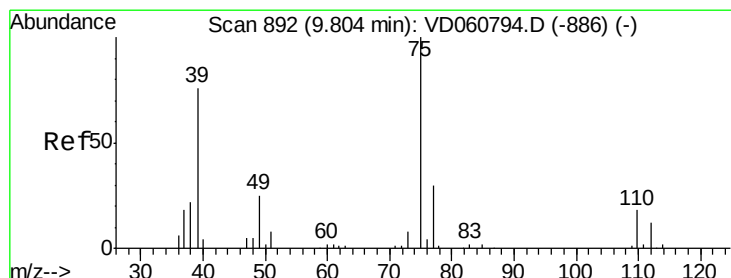
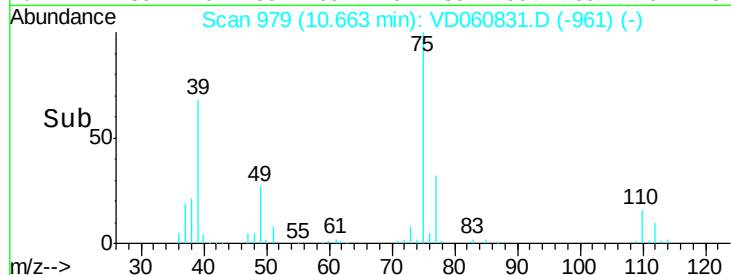
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 66.517 ug/l

RT: 9.79 min Scan# 890

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

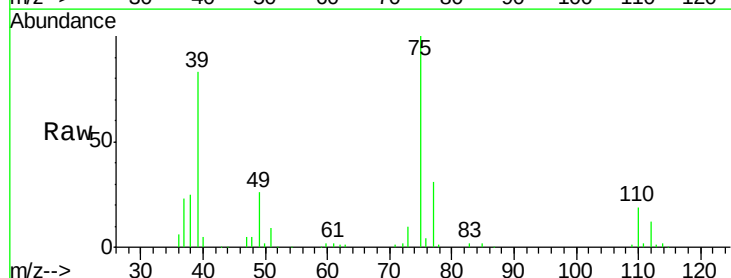
Tgt Ion: 75 Resp: 410727

Ion Ratio Lower Upper

75 100

77 30.8 23.9 35.9

39 83.2 60.4 90.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.79

200000

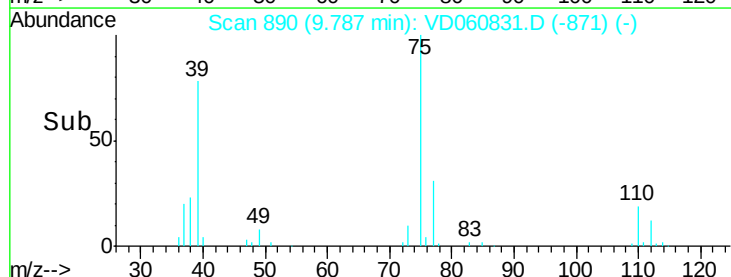
150000

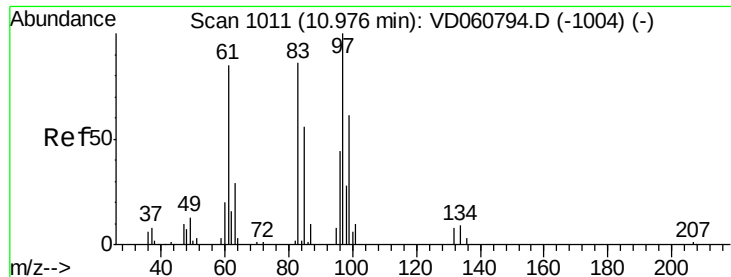
100000

50000

0

Time-->

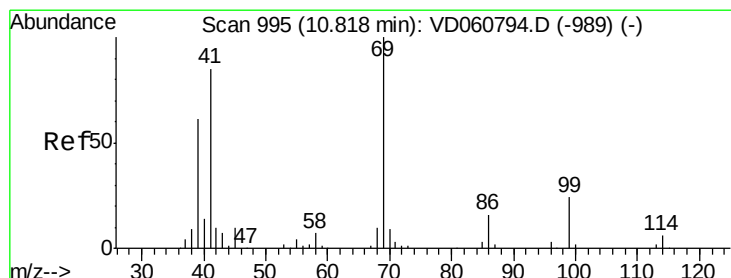
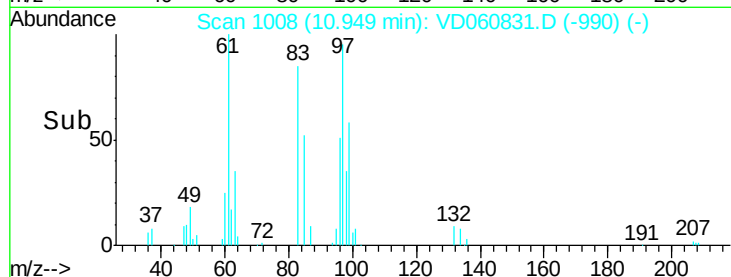
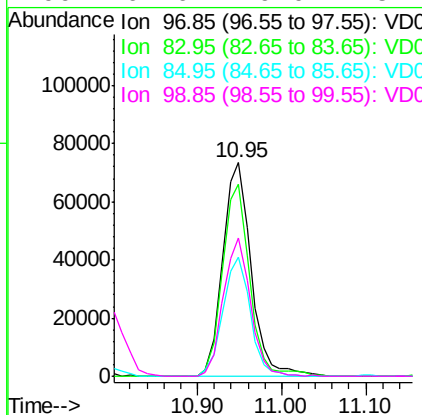
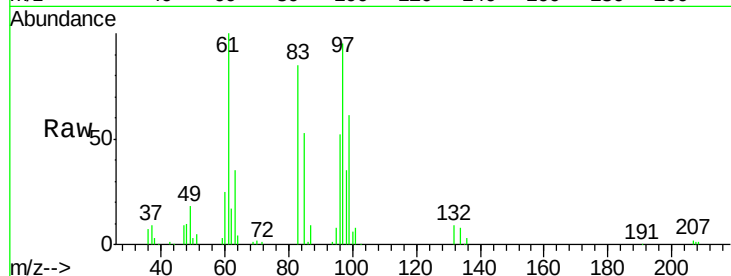




#55
 1,1,2-Trichloroethane
 Concen: 65.781 ug/l
 RT: 10.95 min Scan# 1008
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

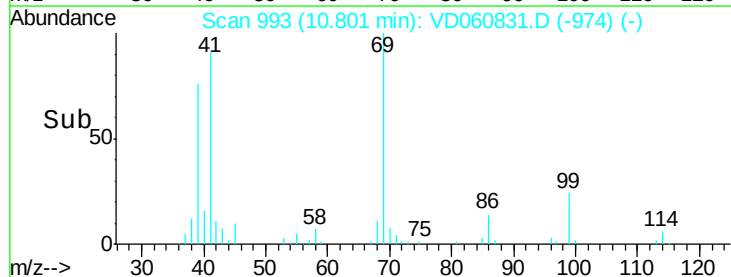
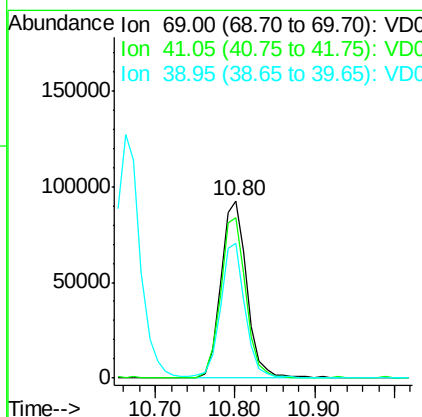
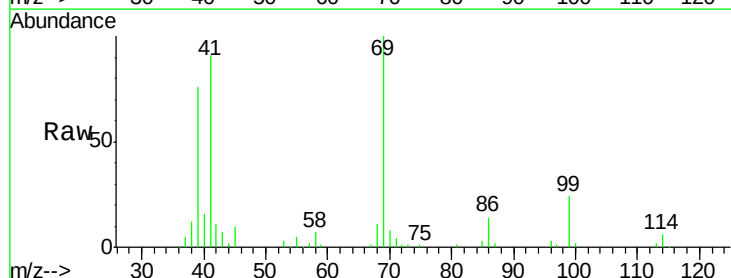
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

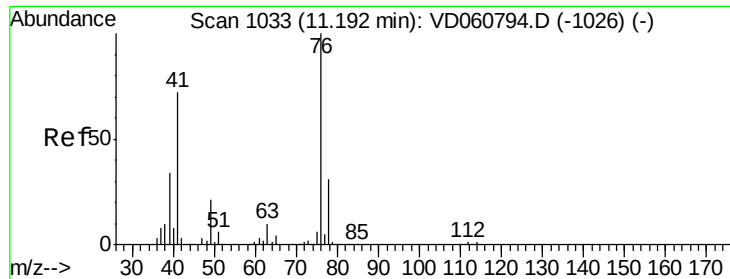
Tot Ion: 97 Resp: 171691
 Ion Ratio Lower Upper
 97 100
 83 90.0 68.5 102.7
 85 55.6 45.0 67.6
 99 64.6 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 66.886 ug/l
 RT: 10.80 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 69 Resp: 211480
 Ion Ratio Lower Upper
 69 100
 41 90.6 68.2 102.2
 39 75.8 49.4 74.0#

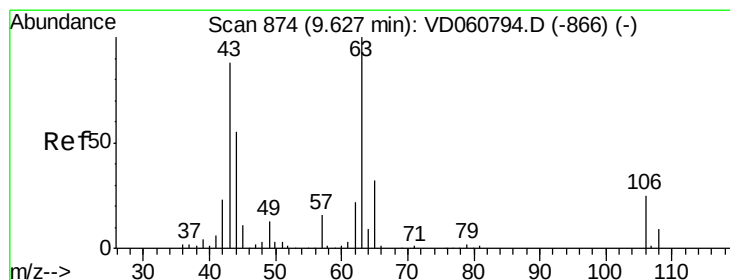
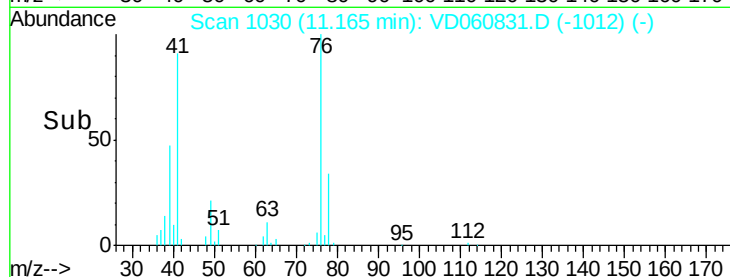
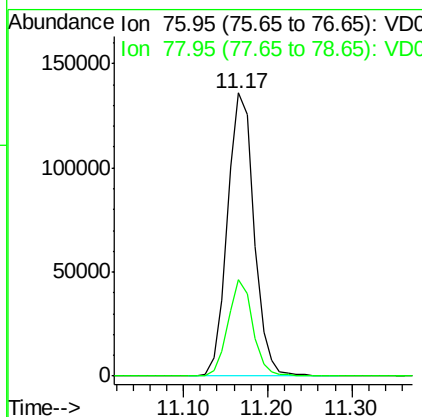
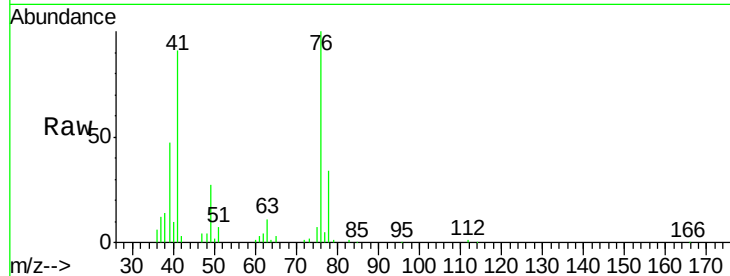




#57
 1,3-Dichloropropane
 Concen: 66.993 ug/l
 RT: 11.17 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

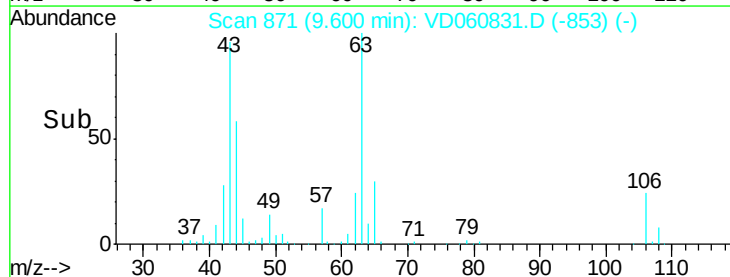
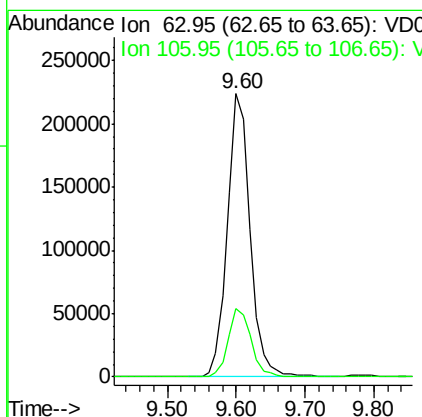
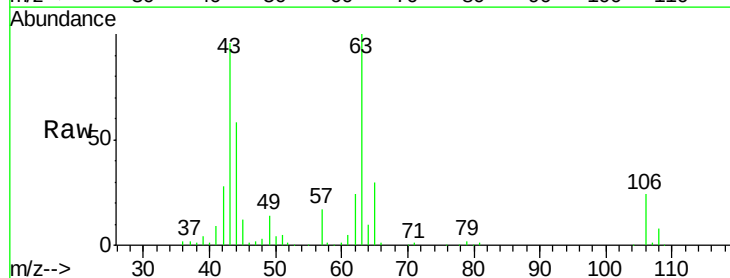
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

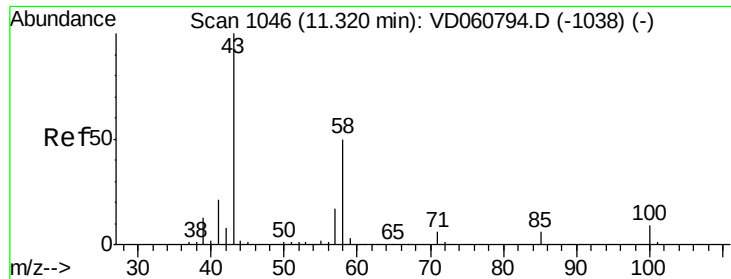
Tot Ion: 76 Resp: 298837
 Ion Ratio Lower Upper
 76 100
 78 34.0 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 308.158 ug/l
 RT: 9.60 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 63 Resp: 511225
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.9 29.9

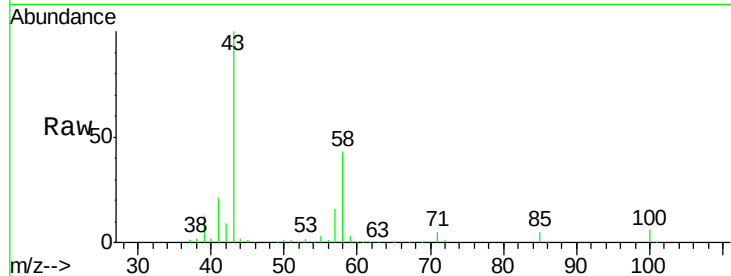




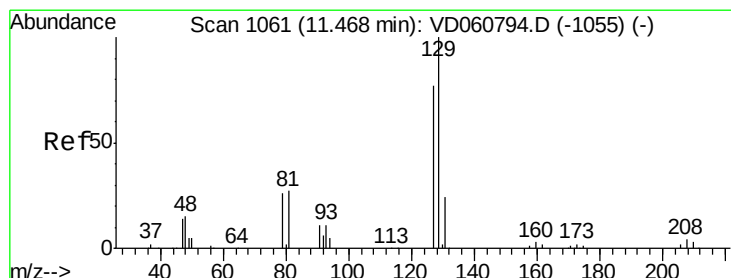
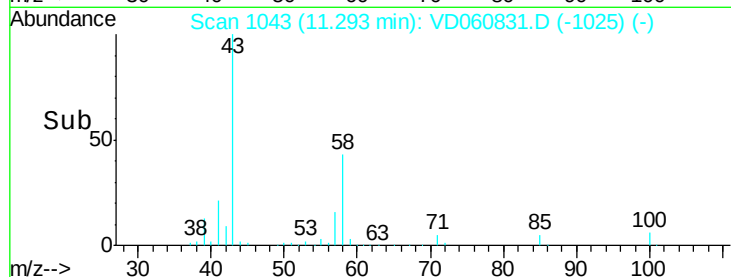
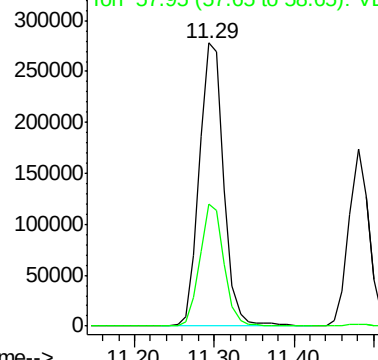
#59
2-Hexanone
Concen: 347.162 ug/l
RT: 11.29 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 601807
Ion Ratio Lower Upper
43 100
58 43.2 25.0 75.0

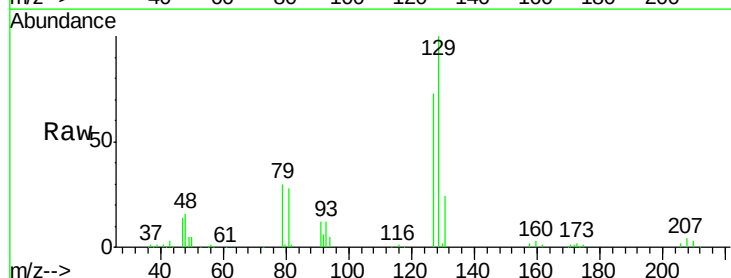


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

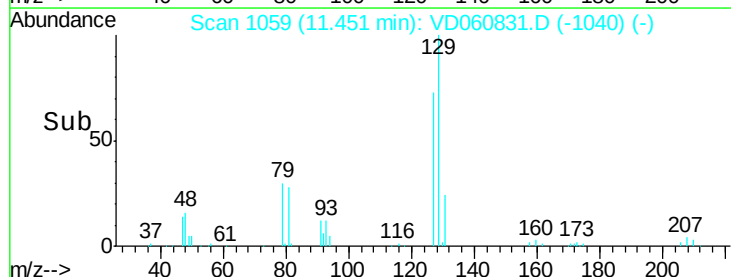
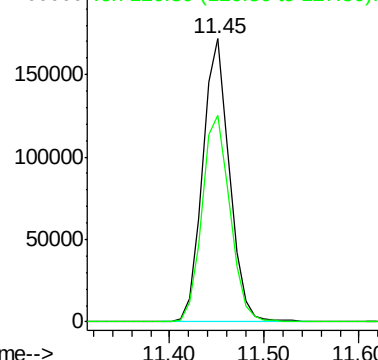


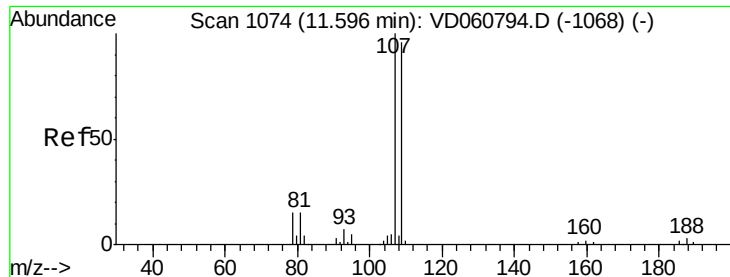
#60
Dibromochloromethane
Concen: 71.594 ug/l
RT: 11.45 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 129 Resp: 335939
Ion Ratio Lower Upper
129 100
127 73.2 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

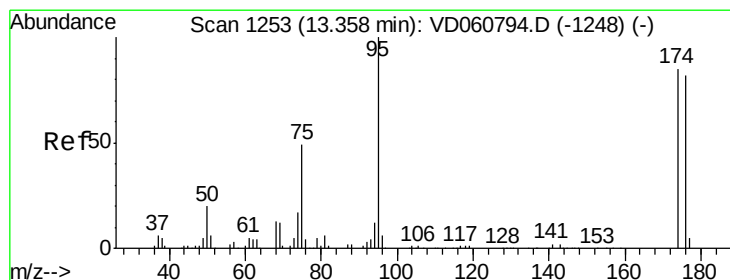
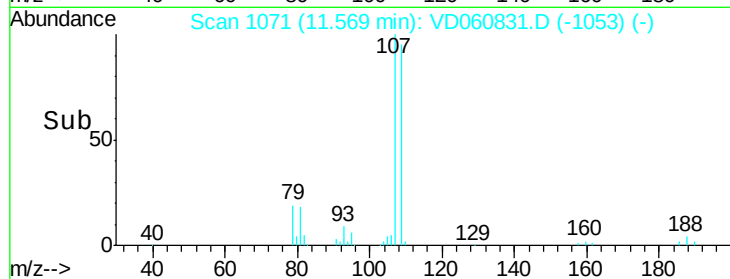
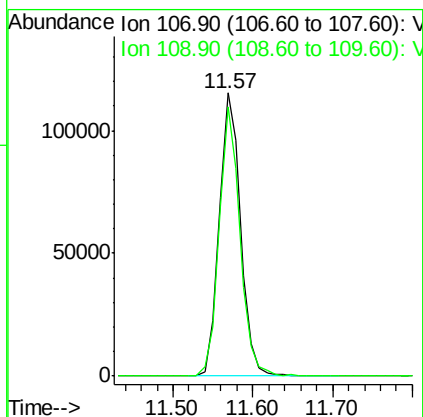
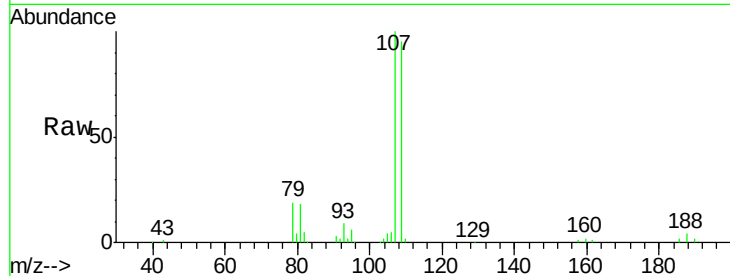




#61
 1,2-Dibromoethane
 Concen: 70.979 ug/l
 RT: 11.57 min Scan# 1071
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

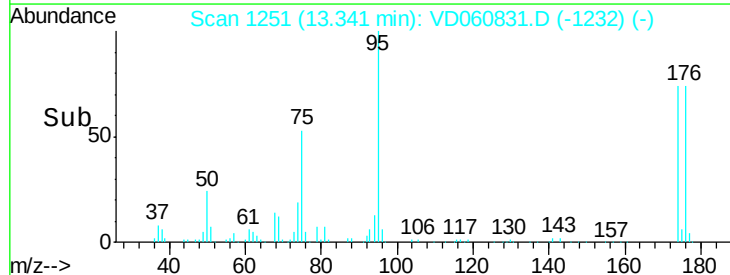
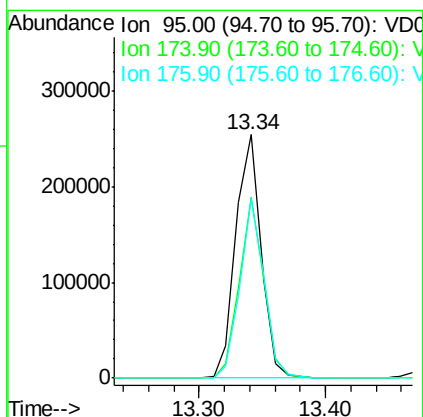
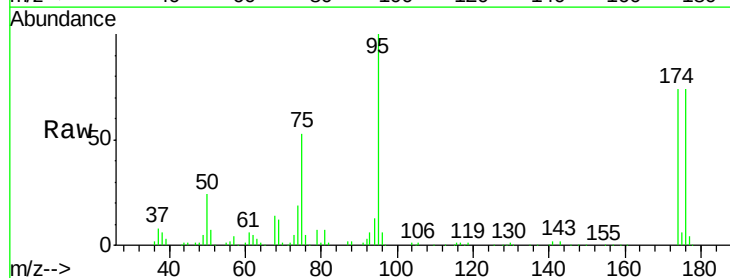
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

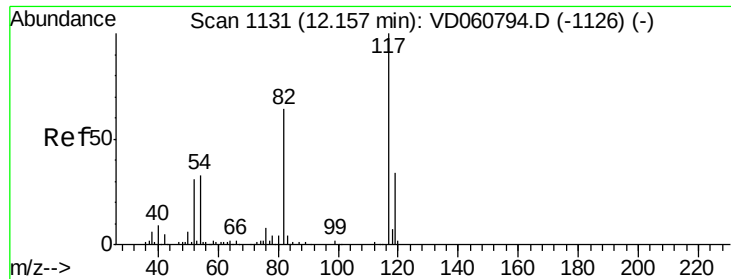
Tot Ion:107 Resp: 218179
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 70.979 ug/l
 RT: 13.34 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 95 Resp: 352745
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 169.6
 176 73.7 0.0 163.8

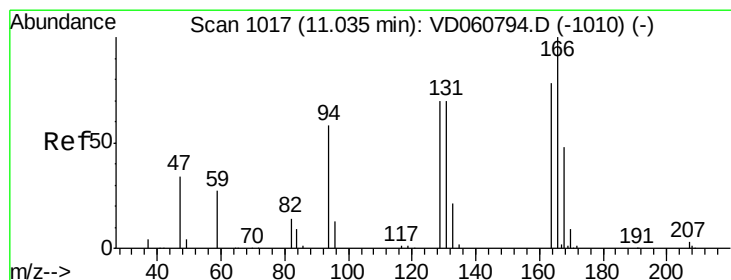
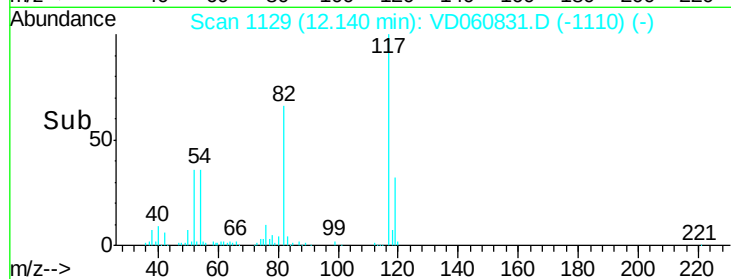
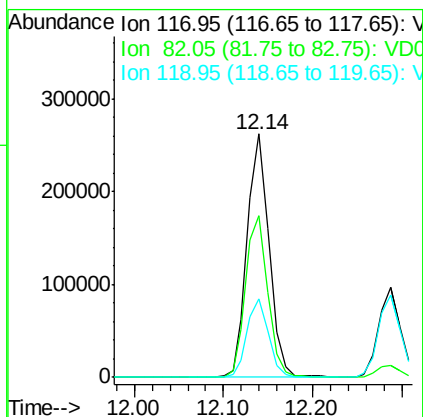
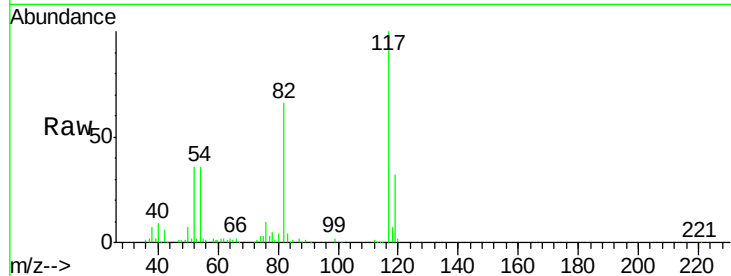




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

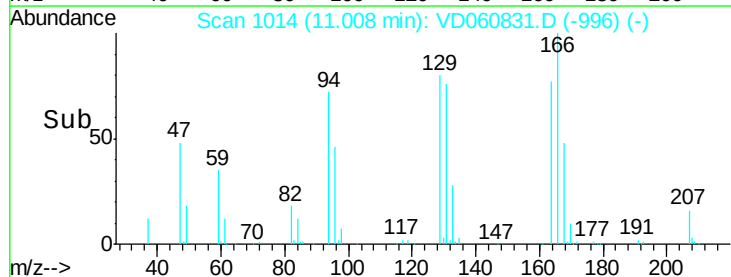
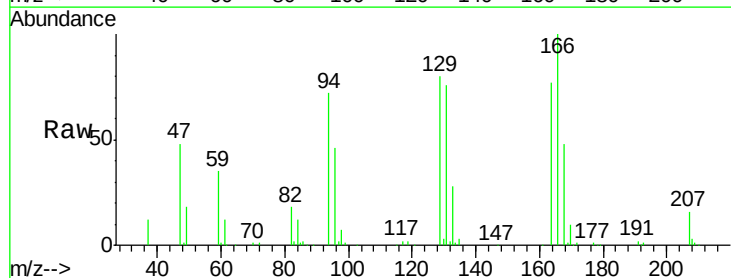
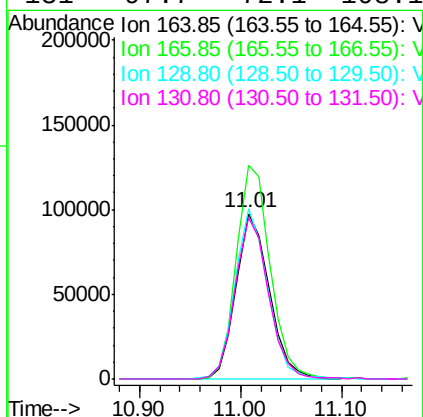
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

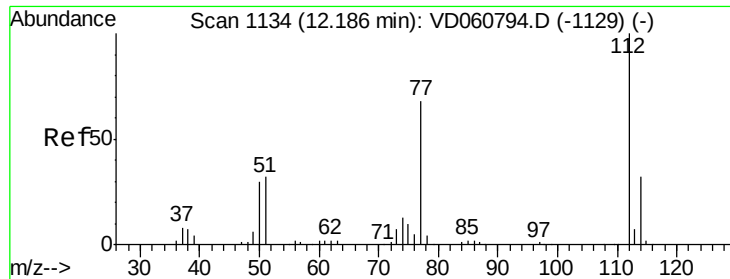
Tot Ion:117 Resp: 447963
Ion Ratio Lower Upper
117 100
82 66.3 51.5 77.3
119 32.2 27.1 40.7



#64
Tetrachloroethene
Concen: 54.702 ug/l
RT: 11.01 min Scan# 1014
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:164 Resp: 224892
Ion Ratio Lower Upper
164 100
166 129.3 102.6 154.0
129 103.4 72.3 108.5
131 97.7 72.1 108.1

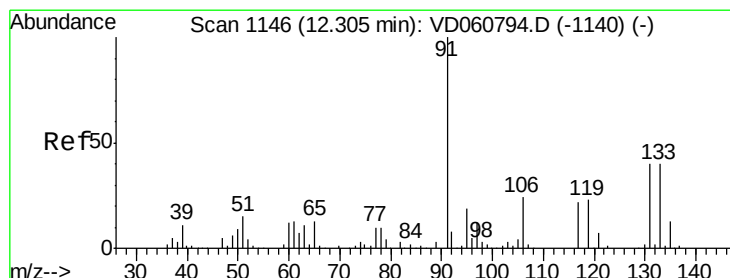
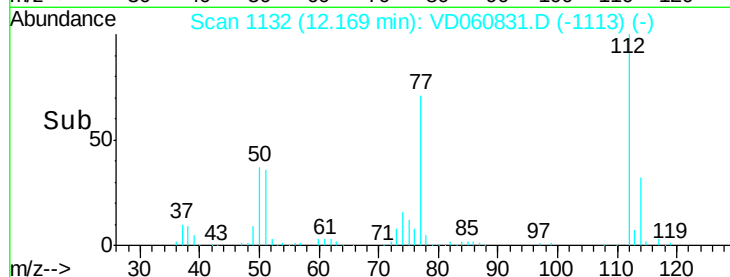
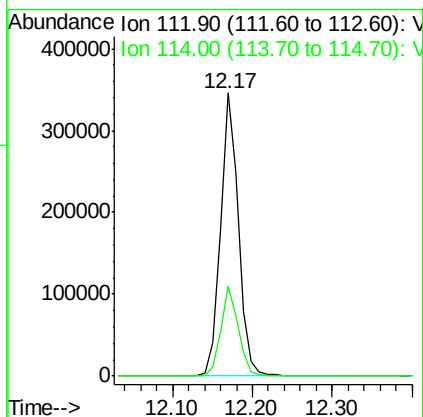
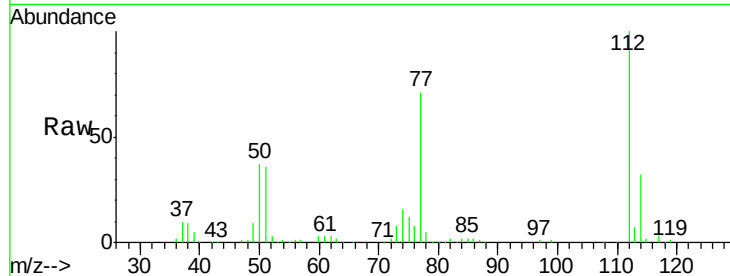




#65
Chlorobenzene
Concen: 53.592 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

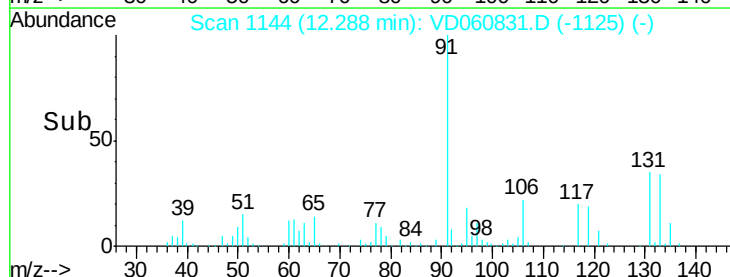
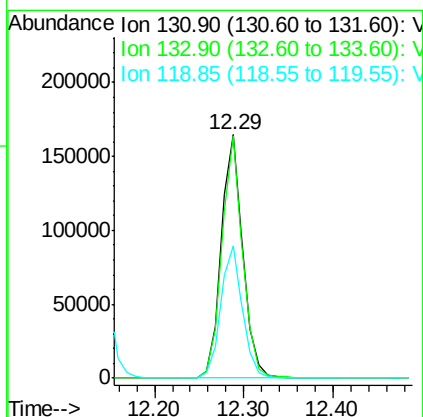
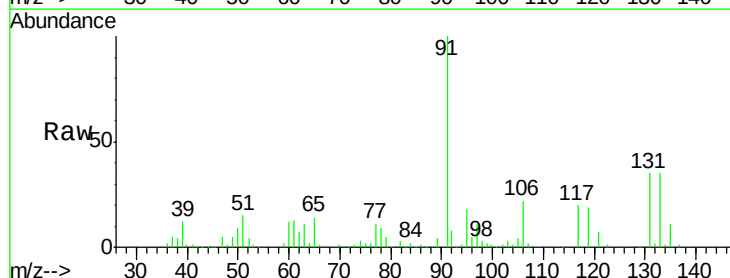
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

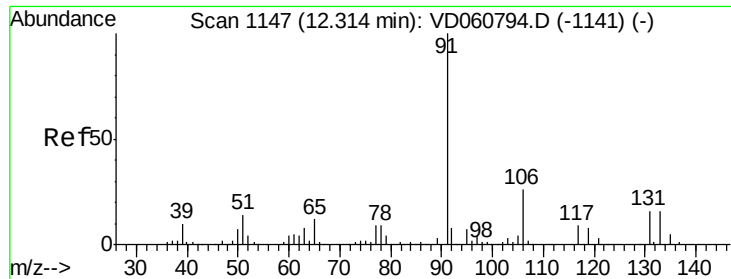
Tot Ion:112 Resp: 548618
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 63.814 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:131 Resp: 280661
Ion Ratio Lower Upper
131 100
133 99.7 49.9 149.7
119 54.1 28.5 85.5

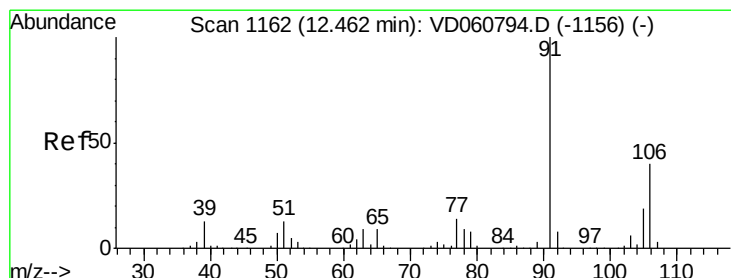
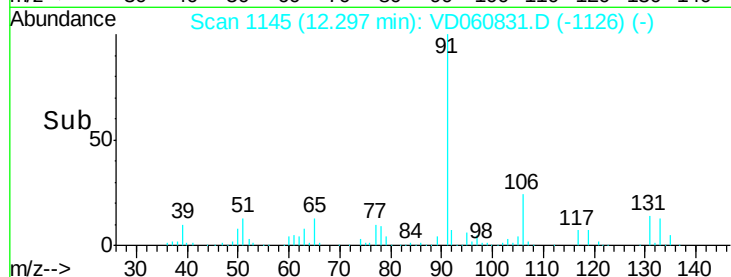
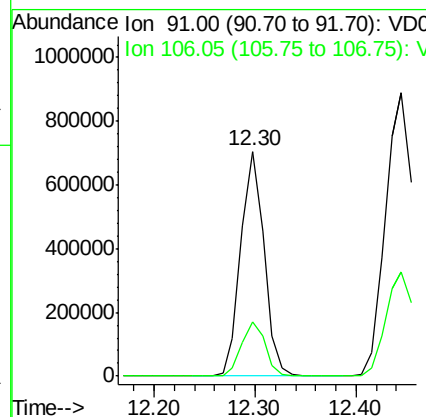
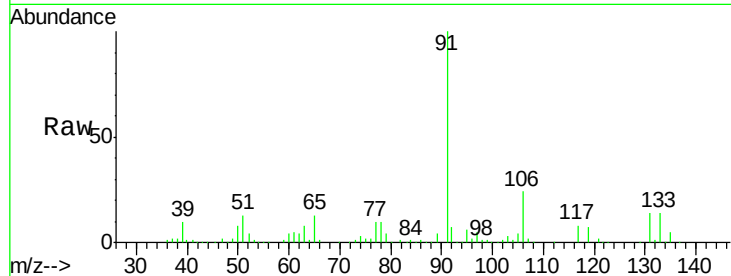




#67
Ethyl Benzene
Concen: 62.013 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

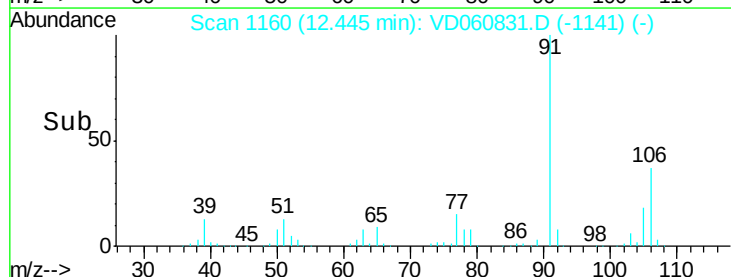
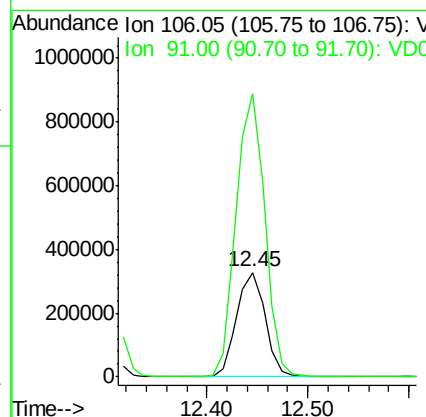
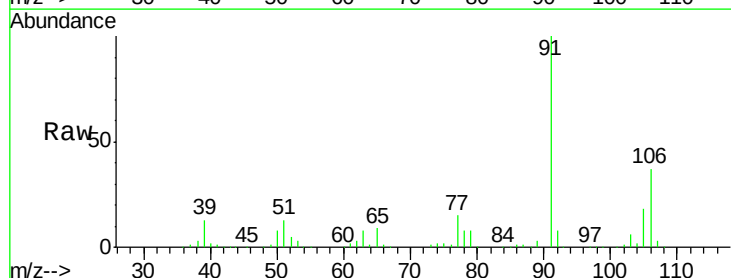
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

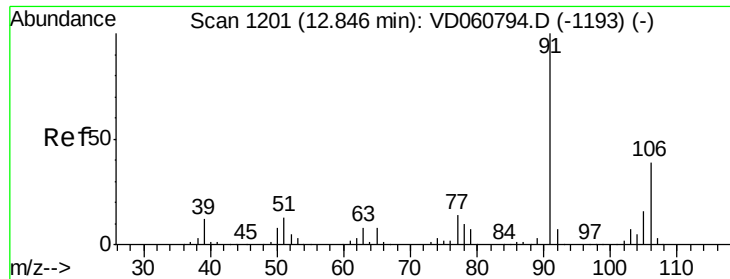
Tot Ion: 91 Resp: 1141540
Ion Ratio Lower Upper
91 100
106 24.3 21.0 31.6



#68
m/p-Xylenes
Concen: 108.824 ug/l
RT: 12.45 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 106 Resp: 651736
Ion Ratio Lower Upper
106 100
91 270.6 200.5 300.7

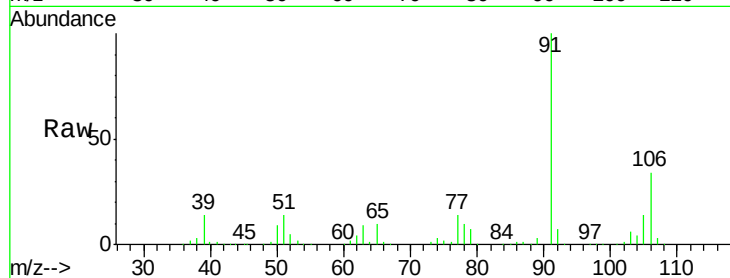




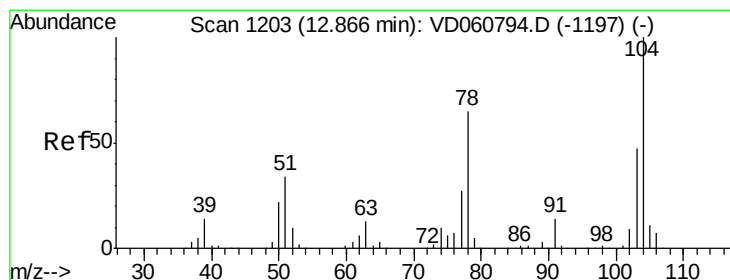
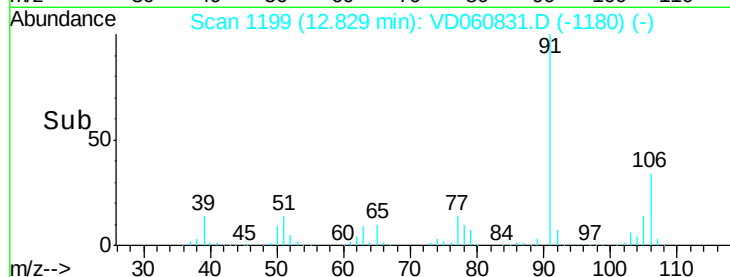
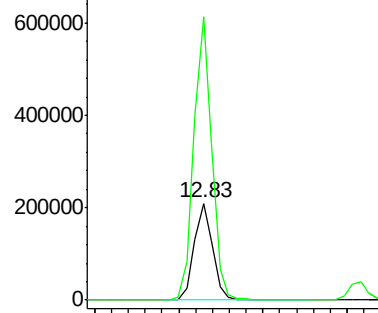
#69
o-Xylene
Concen: 53.517 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 317224
Ion Ratio Lower Upper
106 100
91 292.4 127.6 382.7

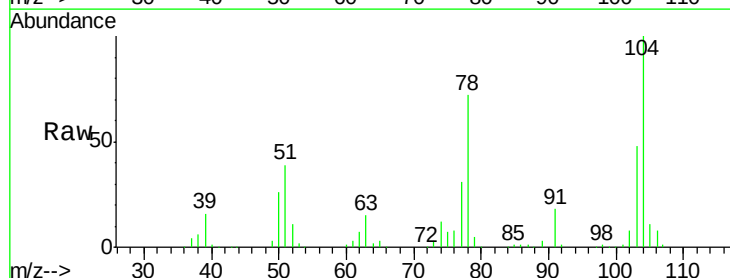


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

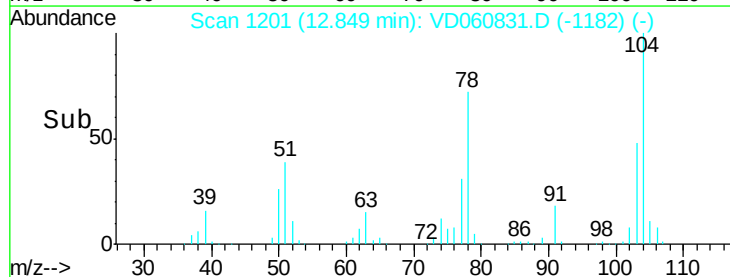
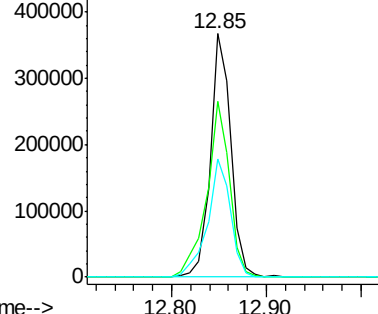


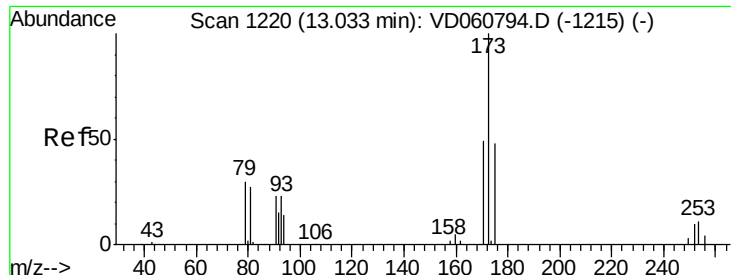
#70
Styrene
Concen: 55.237 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:104 Resp: 549048
Ion Ratio Lower Upper
104 100
78 72.2 52.0 78.0
103 48.5 37.7 56.5



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





#71

Bromoform

Concen: 64.692 ug/l

RT: 13.02 min Scan# 1218

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

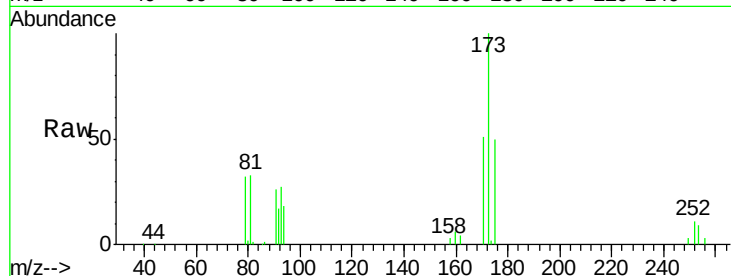
Tot Ion:173 Resp: 214369

Ion Ratio Lower Upper

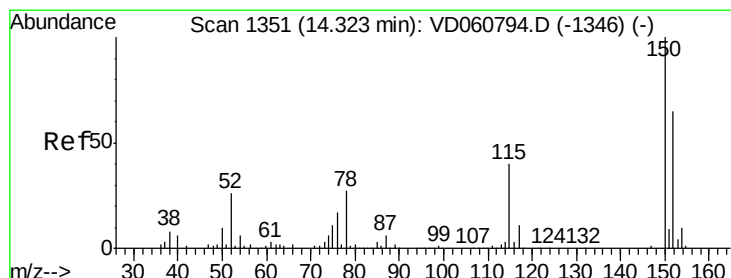
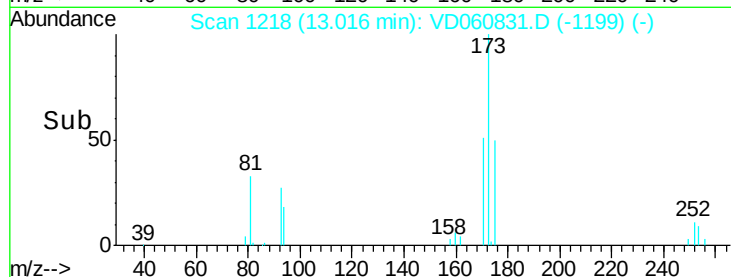
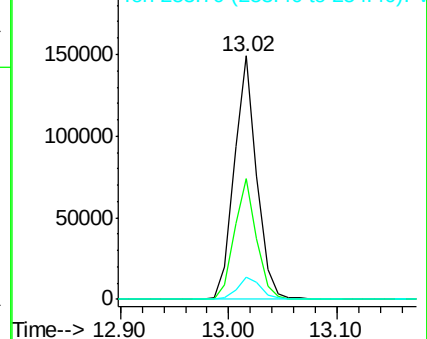
173 100

175 49.8 24.1 72.4

254 8.9 9.1 13.7#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.31 min Scan# 1349

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

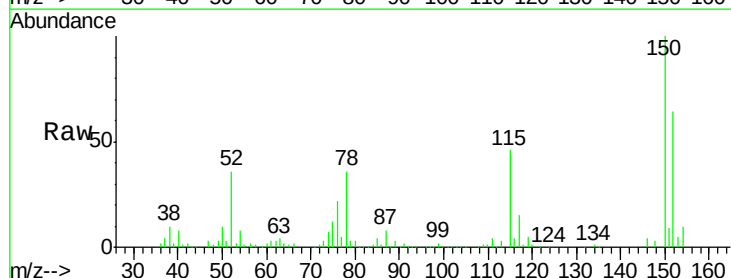
Tgt Ion:152 Resp: 253506

Ion Ratio Lower Upper

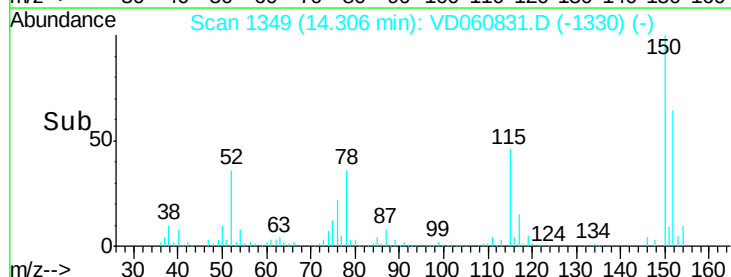
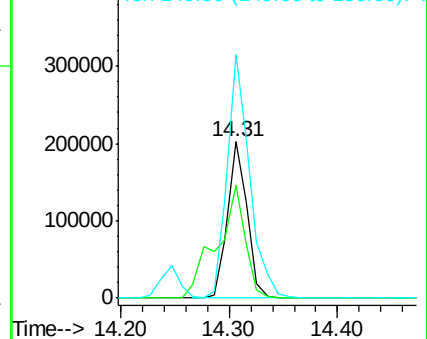
152 100

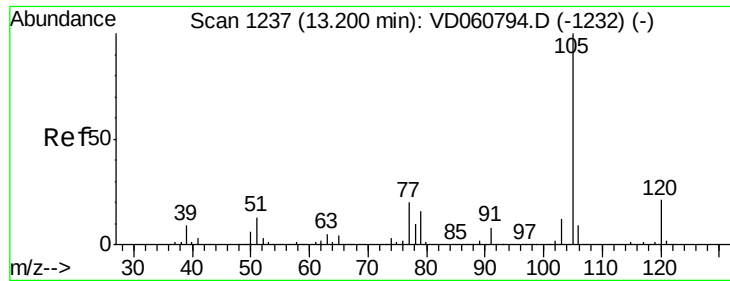
115 72.1 31.6 95.0

150 156.0 0.0 317.6



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





#73

Isopropylbenzene

Concen: 52.277 ug/l

RT: 13.18 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

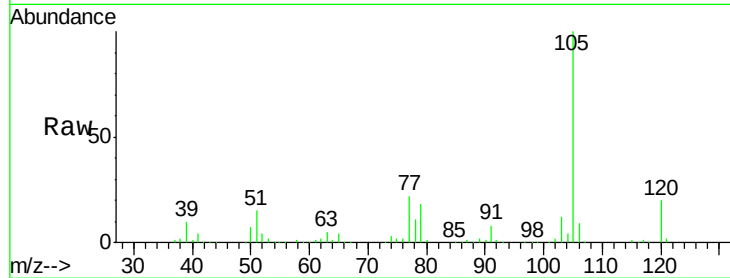
VSTDCCC050EC

Tot Ion:105 Resp: 1056639

Ion Ratio Lower Upper

105 100

120 20.4 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

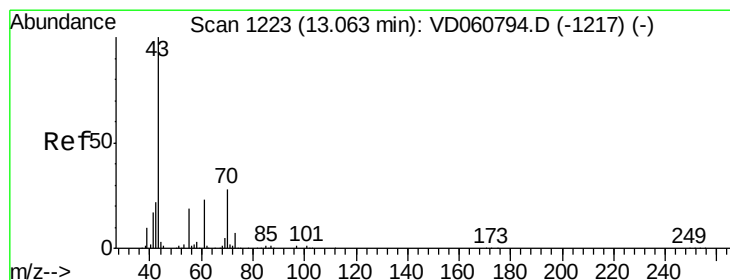
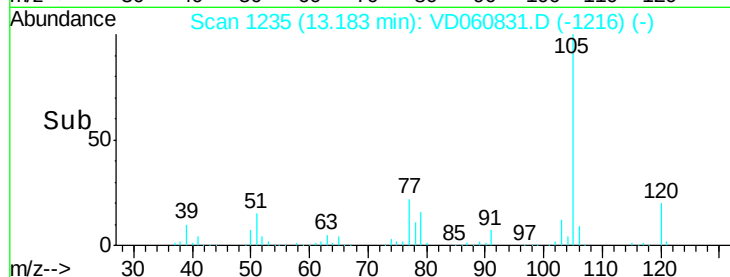
400000

200000

0

13.10 13.20 13.30

Time-->



#74

N-ethyl acetate

Concen: 59.666 ug/l

RT: 13.05 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion: 43 Resp: 370746

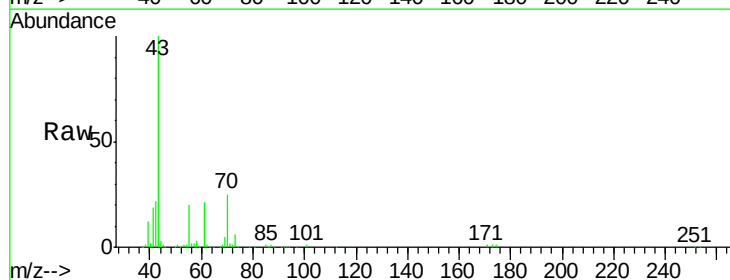
Ion Ratio Lower Upper

43 100

70 25.2 22.2 33.4

55 19.9 15.5 23.3

61 21.4 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

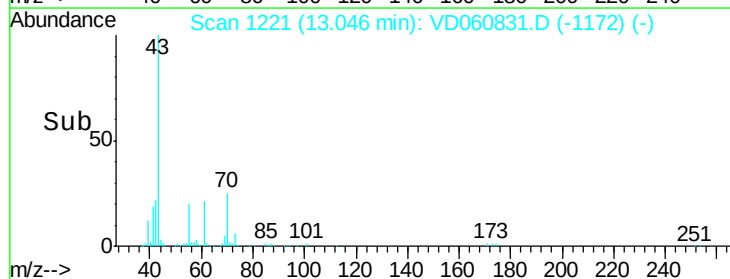
200000

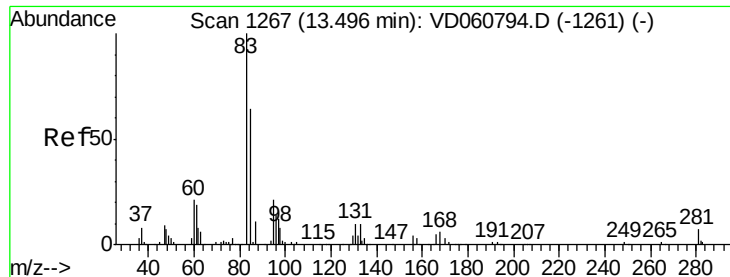
100000

0

13.00 13.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.825 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

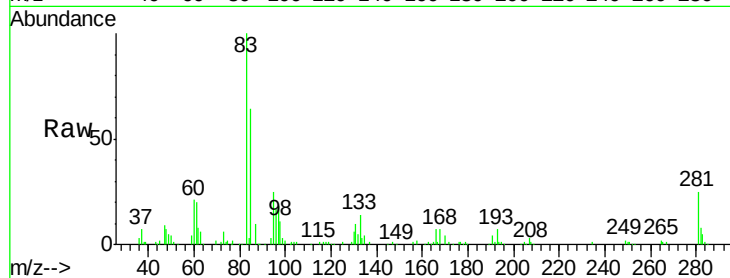
Tot Ion: 83 Resp: 209132

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

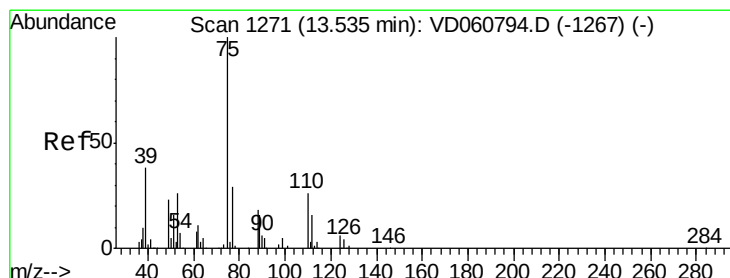
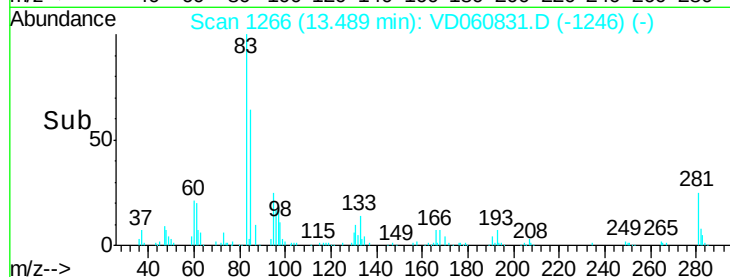
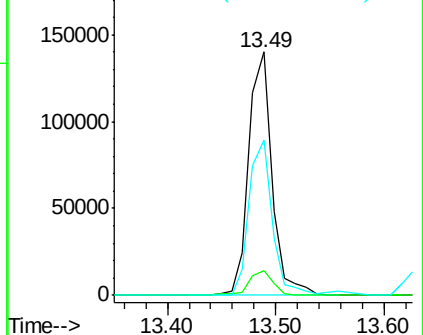
85 63.8 31.8 95.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 58.188 ug/l

RT: 13.52 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VD060831.D

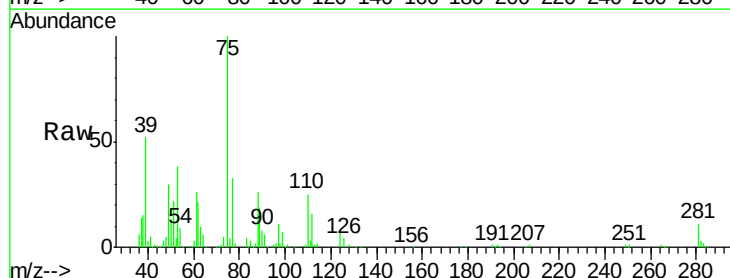
Acq: 1 Feb 2019 20:51

Tgt Ion: 75 Resp: 270498

Ion Ratio Lower Upper

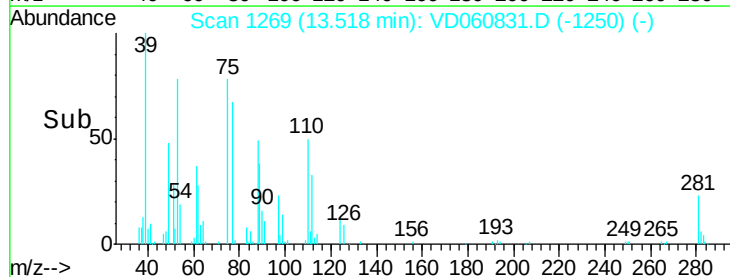
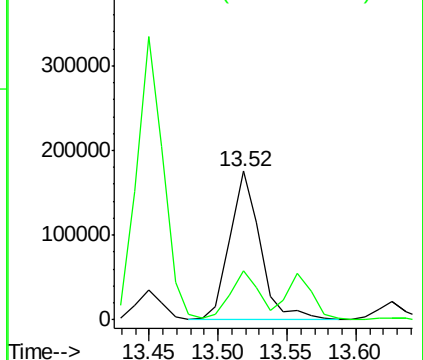
75 100

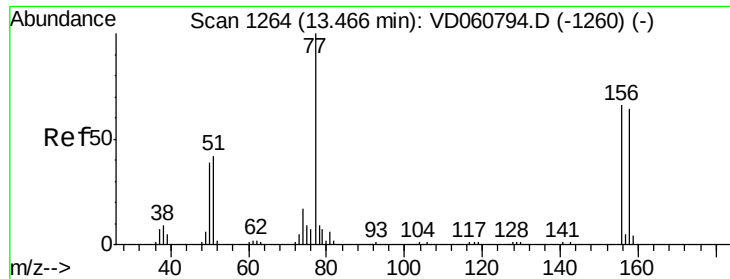
77 33.2 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.038 ug/l

RT: 13.45 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

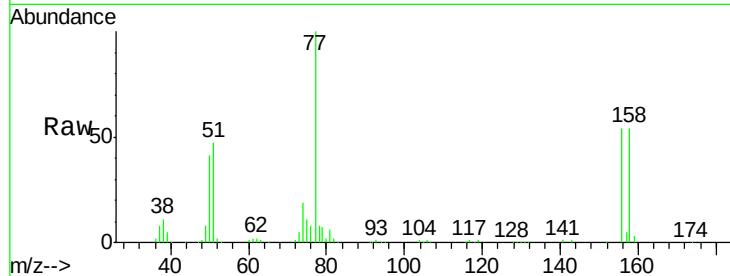
Tot Ion:156 Resp: 265178

Ion Ratio Lower Upper

156 100

77 185.8 76.0 228.0

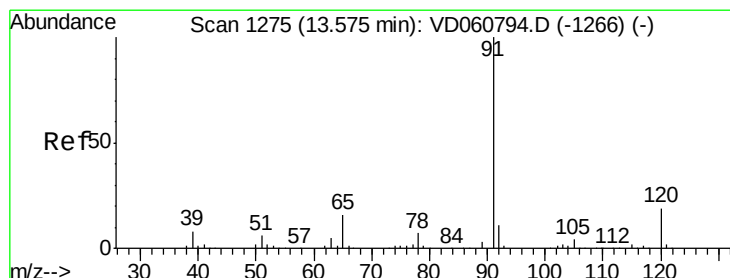
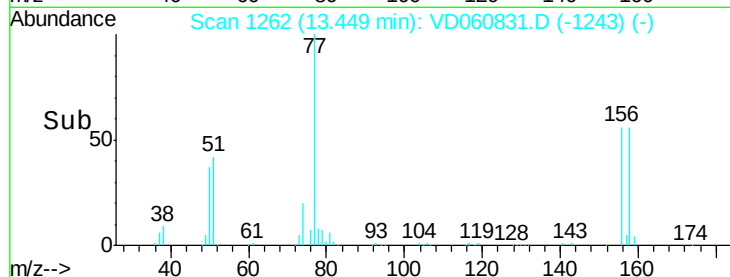
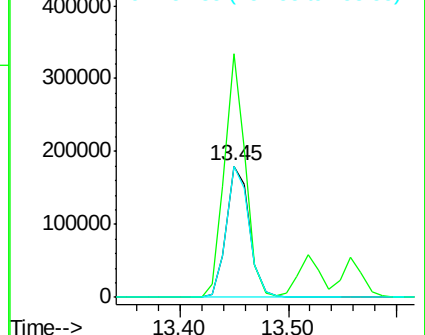
158 99.9 48.4 145.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.140 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD060831.D

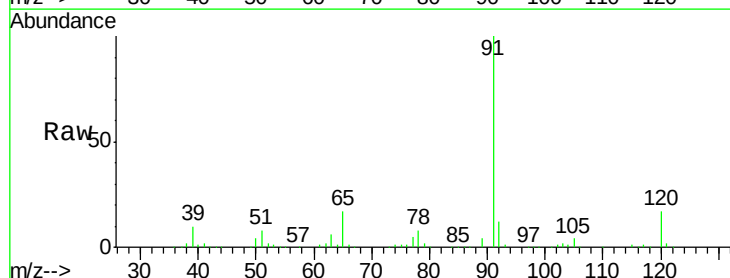
Acq: 1 Feb 2019 20:51

Tgt Ion: 91 Resp: 1424452

Ion Ratio Lower Upper

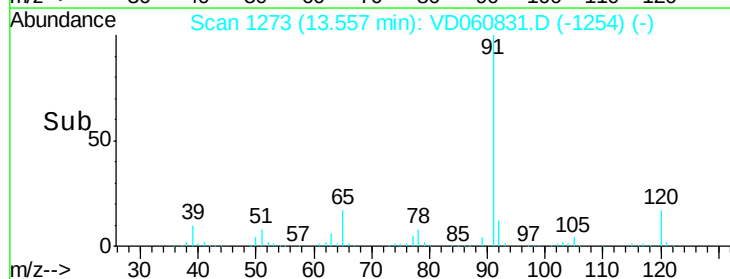
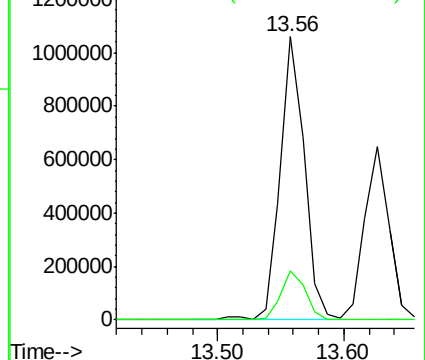
91 100

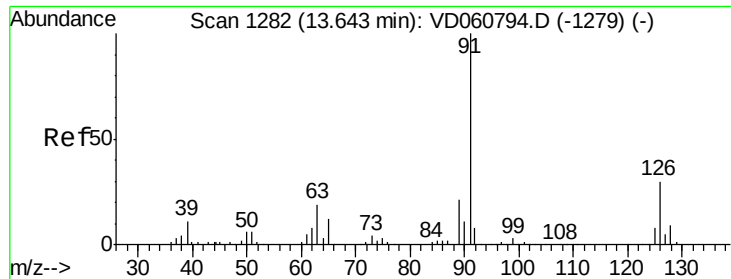
120 17.4 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

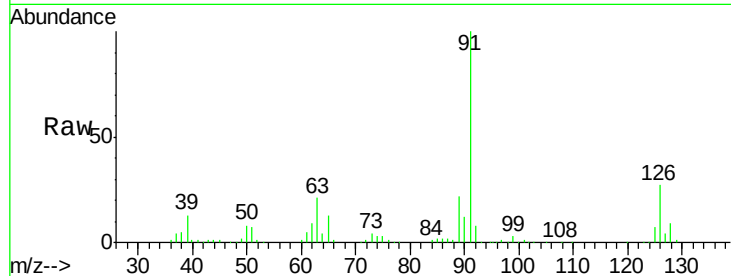




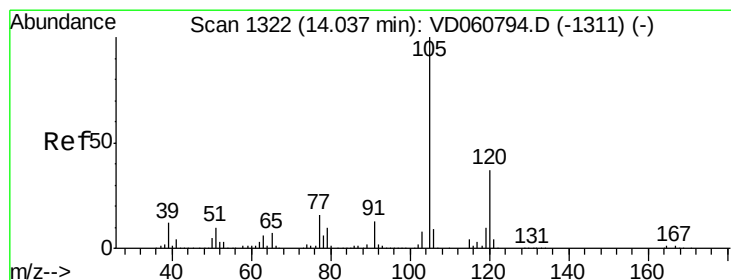
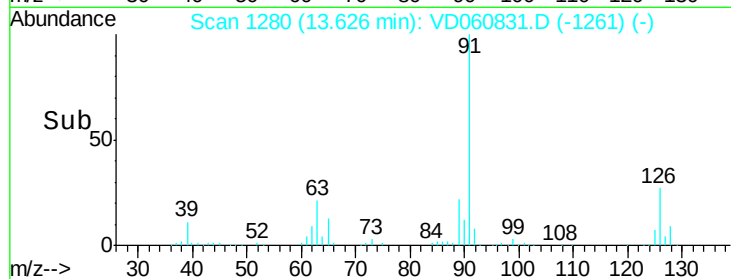
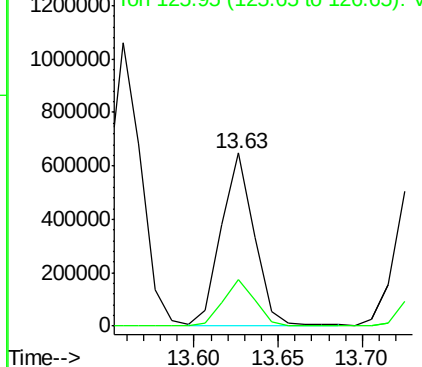
#79
 2-Chlorotoluene
 Concen: 56.838 ug/l
 RT: 13.63 min Scan# 1280
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 879637
 Ion Ratio Lower Upper
 91 100
 126 27.3 14.7 44.1

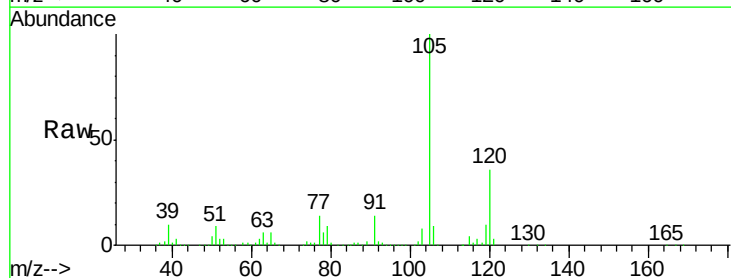


Abundance Ion 91.00 (90.70 to 91.70): VD060831.D (-1261) (-)
 Ion 125.95 (125.65 to 126.65): V

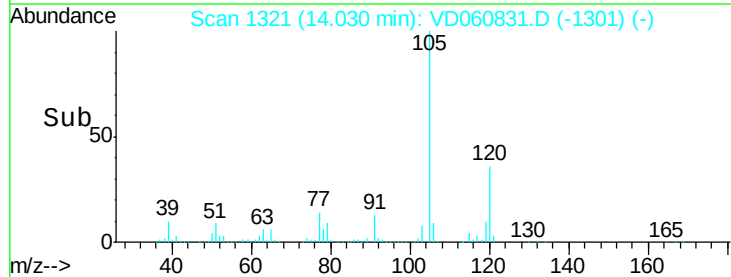
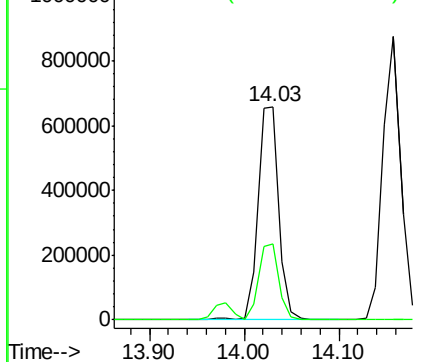


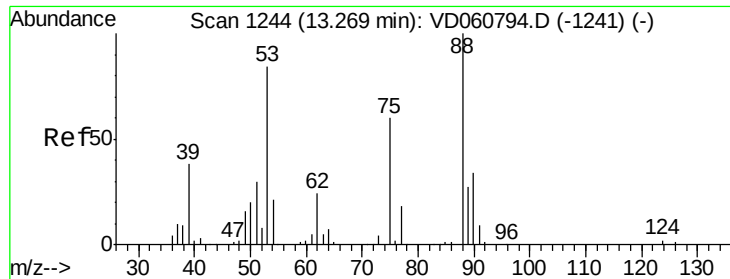
#80
 1,3,5-Trimethylbenzene
 Concen: 57.704 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 105 Resp: 1004069
 Ion Ratio Lower Upper
 105 100
 120 35.8 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060831.D (-1301) (-)
 Ion 120.05 (119.75 to 120.75): V

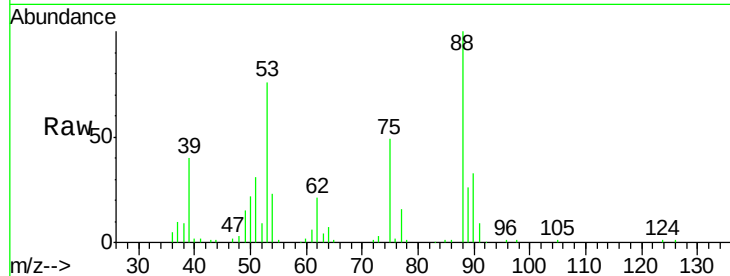




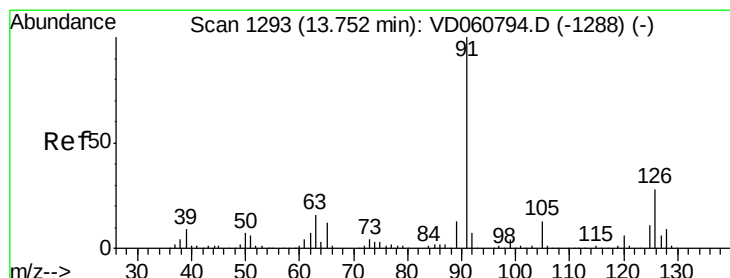
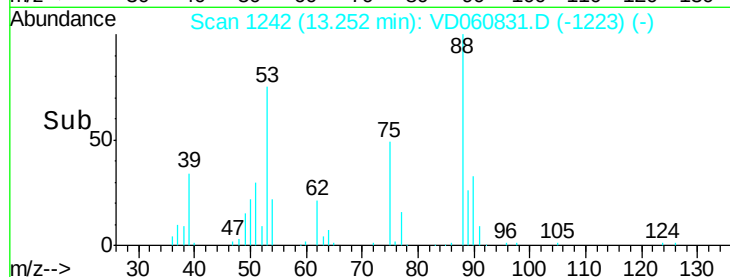
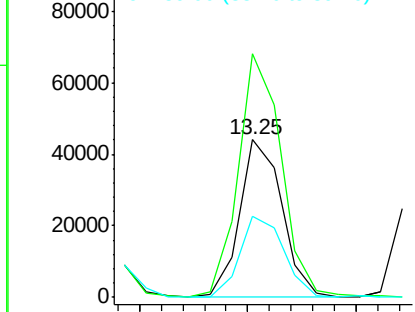
#81
trans-1,4-Dichloro-2-butene
Concen: 50.098 ug/l
RT: 13.25 min Scan# 1242
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 60717
Ion Ratio Lower Upper
75 100
53 154.7 111.6 167.4
89 51.7 35.9 53.9

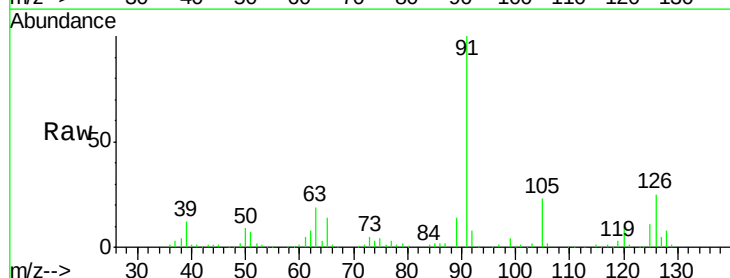


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

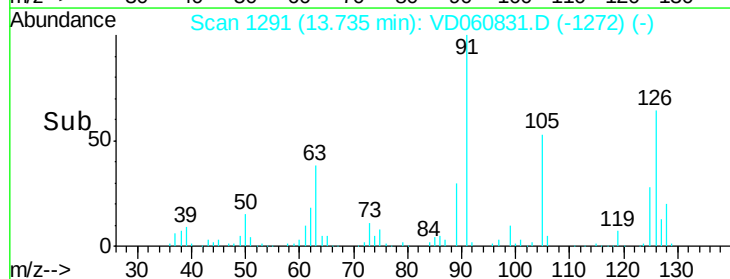
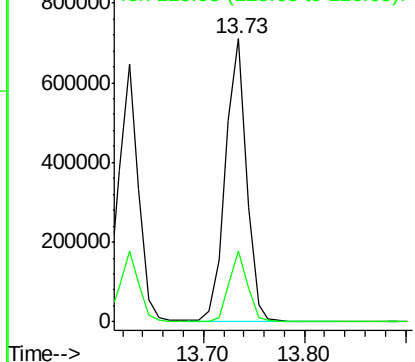


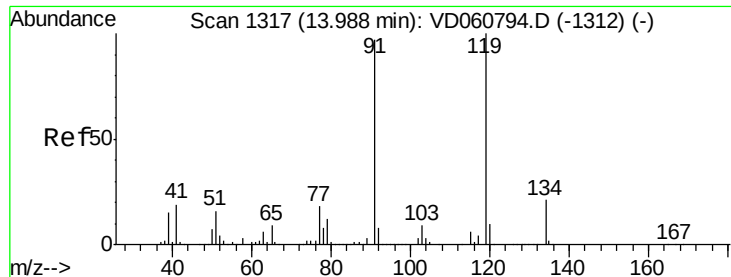
#82
4-Chlorotoluene
Concen: 59.722 ug/l
RT: 13.73 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 91 Resp: 1027245
Ion Ratio Lower Upper
91 100
126 24.8 13.9 41.7



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

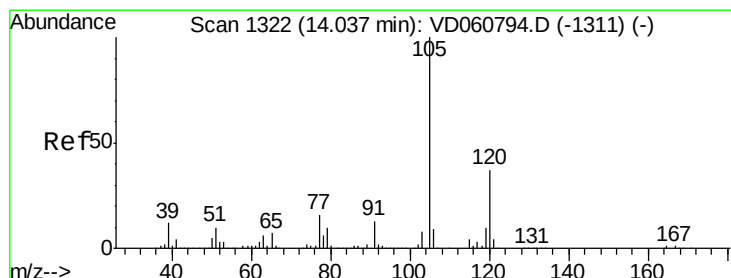
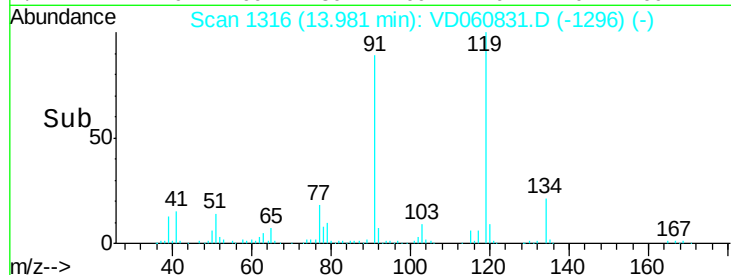
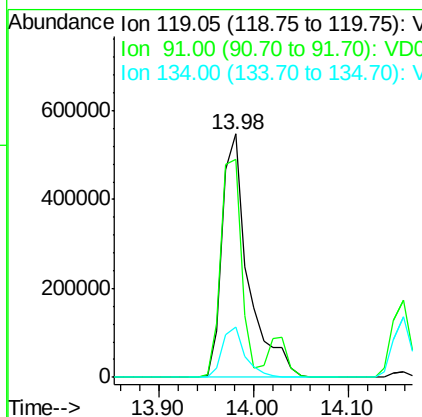
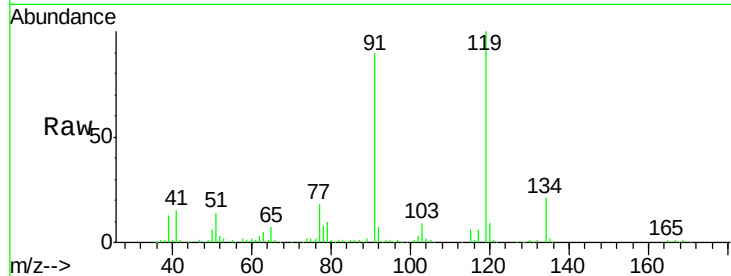




#83
 tert-Butylbenzene
 Concen: 57.492 ug/l
 RT: 13.98 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

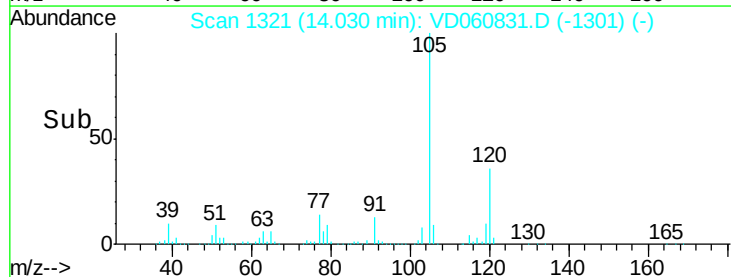
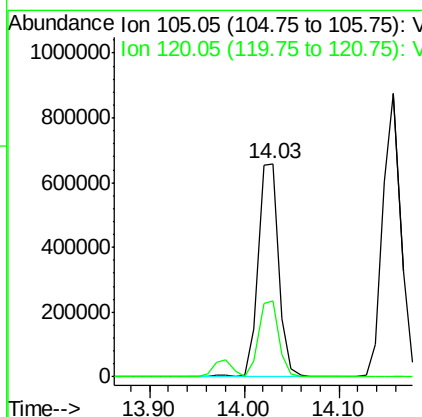
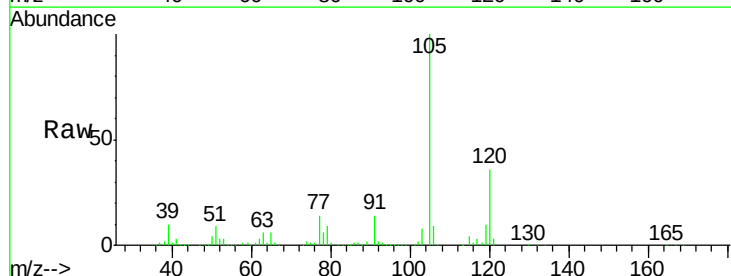
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

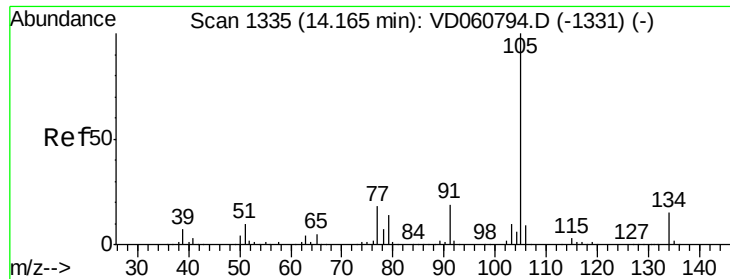
Tot Ion:119 Resp: 1046639
 Ion Ratio Lower Upper
 119 100
 91 89.6 48.5 145.5
 134 20.9 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 57.704 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion:105 Resp: 1004069
 Ion Ratio Lower Upper
 105 100
 120 35.8 18.4 55.2

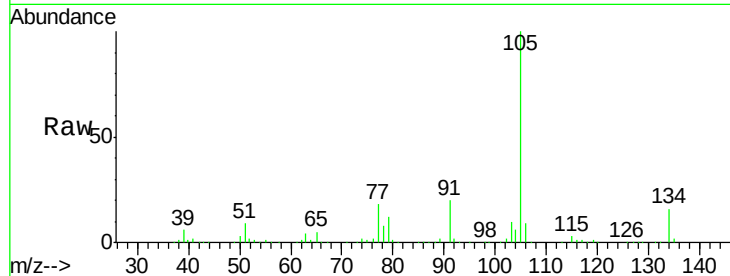




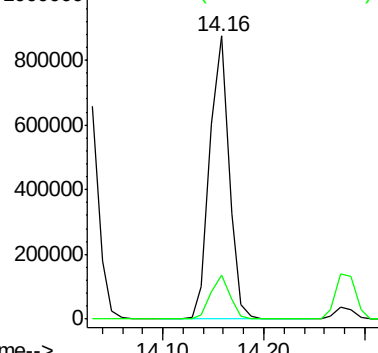
#85
 sec-Butylbenzene
 Concen: 55.916 ug/l
 RT: 14.16 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

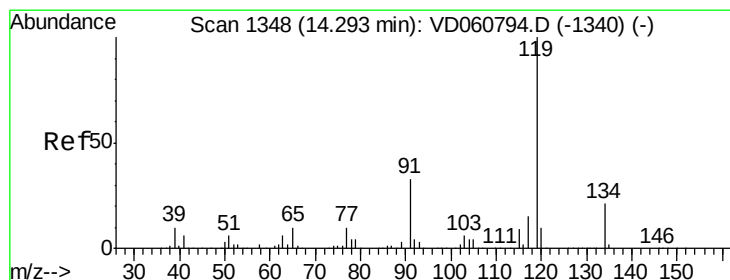
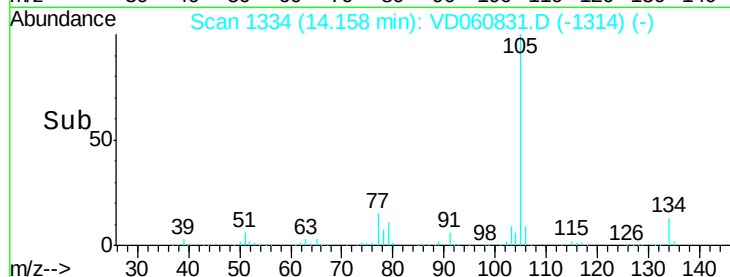
Tot Ion:105 Resp: 1158750
 Ion Ratio Lower Upper
 105 100
 134 15.6 7.4 22.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

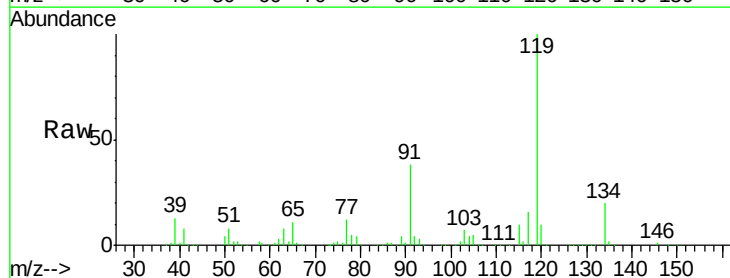


Time-->

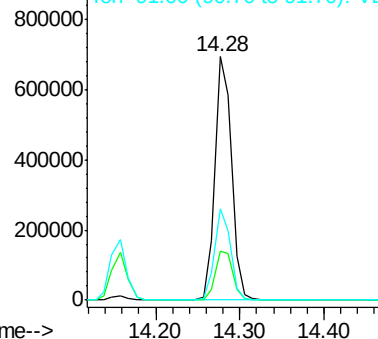


#86
 p-Isopropyltoluene
 Concen: 56.755 ug/l
 RT: 14.28 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

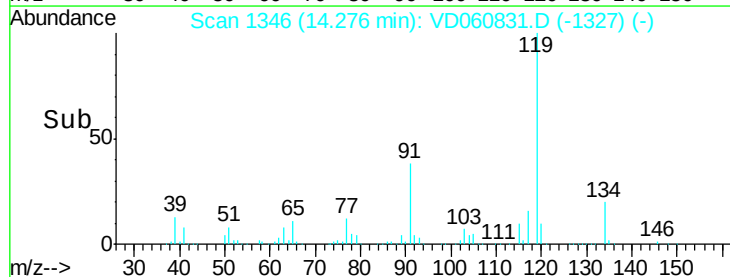
Tgt Ion:119 Resp: 954889
 Ion Ratio Lower Upper
 119 100
 134 20.4 10.8 32.3
 91 37.6 16.7 50.0

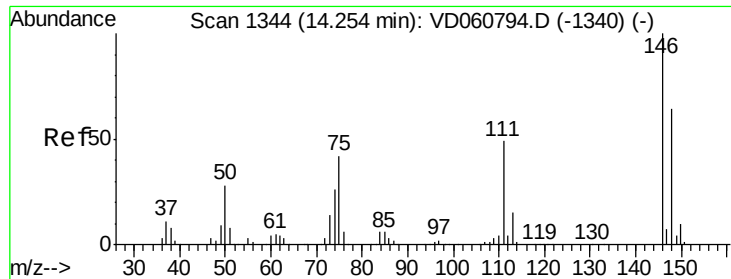


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V



Time-->

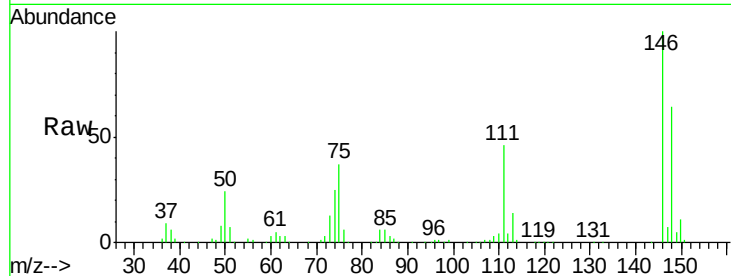




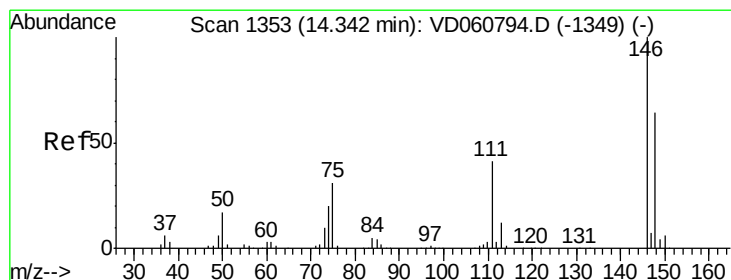
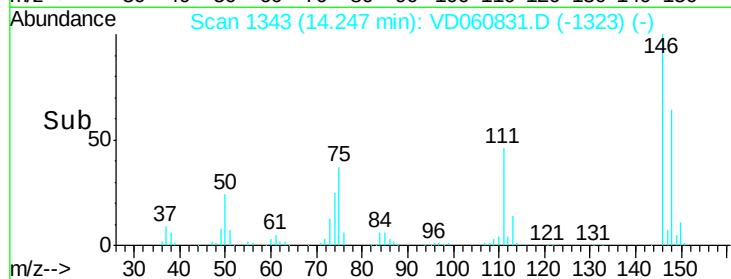
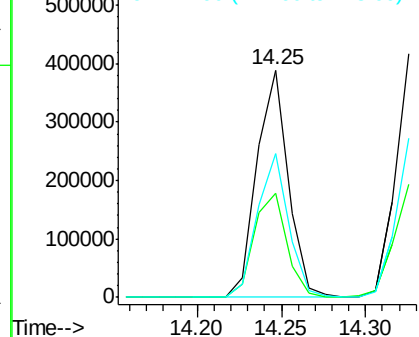
#87
 1,3-Dichlorobenzene
 Concen: 54.041 ug/l
 RT: 14.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 502214
 Ion Ratio Lower Upper
 146 100
 111 45.9 24.3 73.0
 148 63.6 32.1 96.5

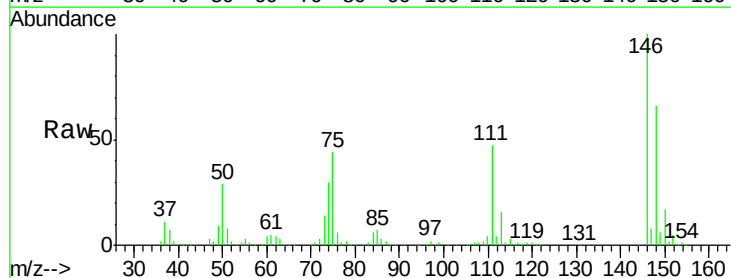


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

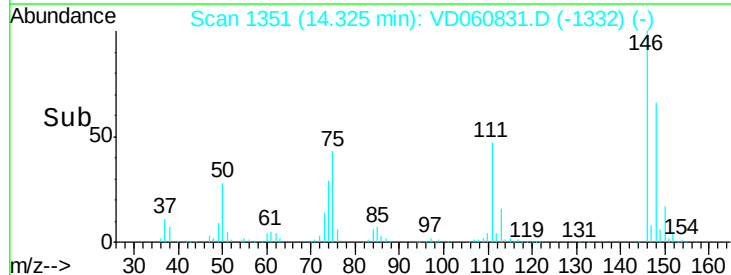
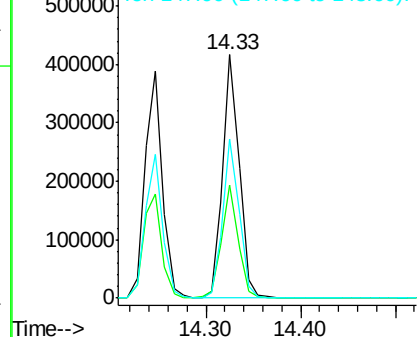


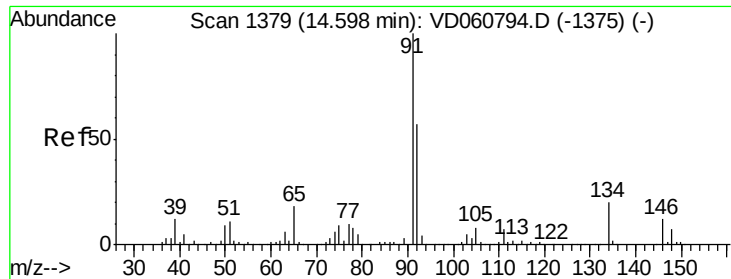
#88
 1,4-Dichlorobenzene
 Concen: 55.985 ug/l
 RT: 14.33 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion:146 Resp: 505518
 Ion Ratio Lower Upper
 146 100
 111 46.7 20.6 61.8
 148 65.6 31.9 95.7



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

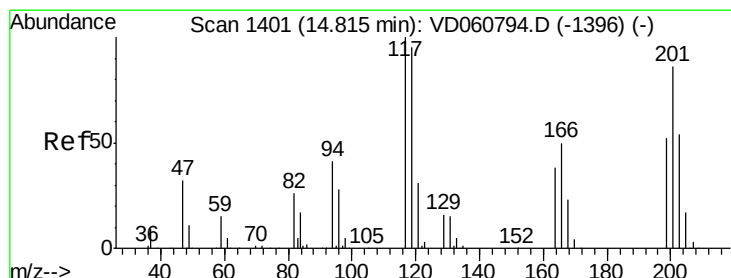
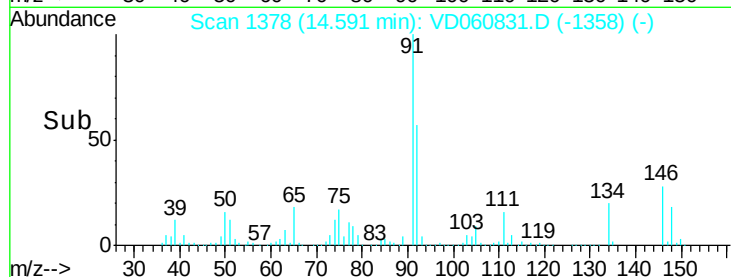
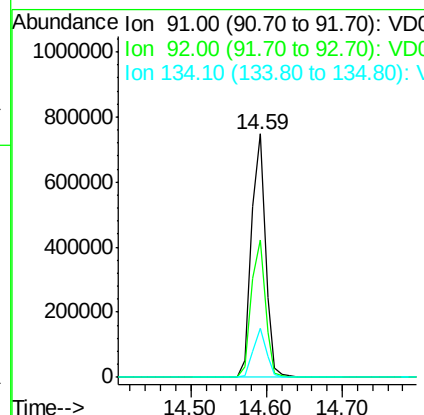
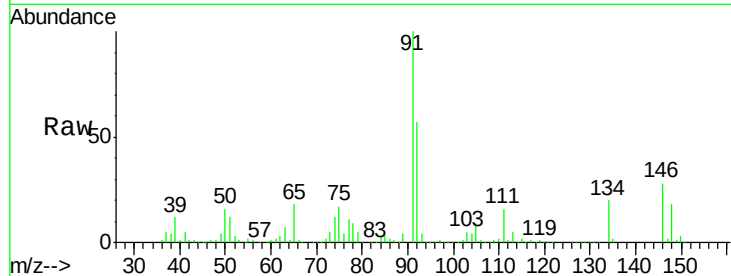




#89
n-Butylbenzene
Concen: 54.401 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

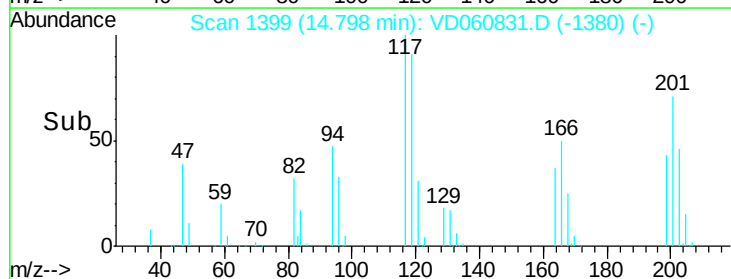
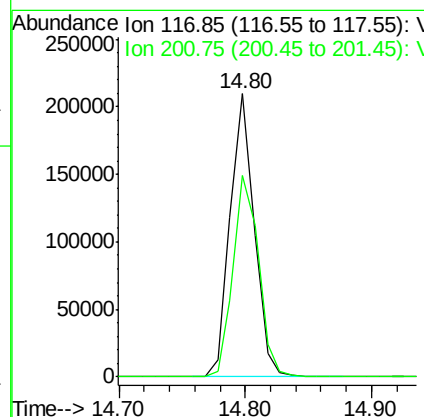
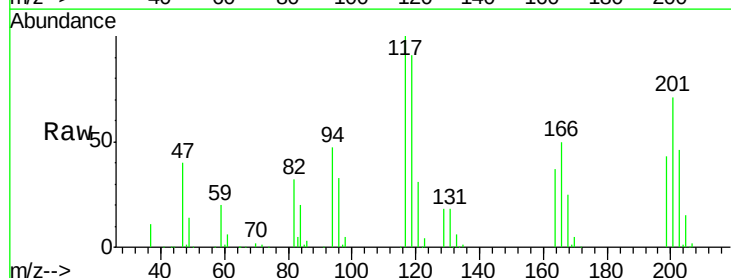
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

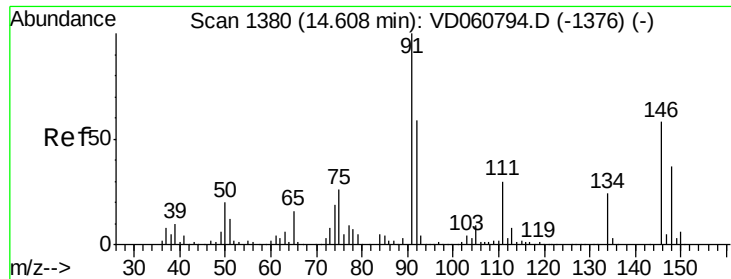
Tot Ion: 91 Resp: 954962
Ion Ratio Lower Upper
91 100
92 56.7 28.5 85.5
134 20.4 10.0 29.8



#90
Hexachloroethane
Concen: 55.197 ug/l
RT: 14.80 min Scan# 1399
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 117 Resp: 276355
Ion Ratio Lower Upper
117 100
201 71.3 43.0 128.8

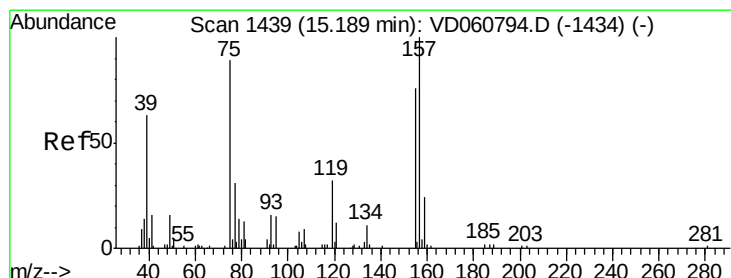
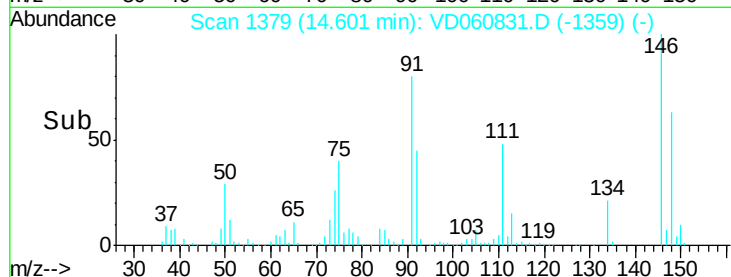
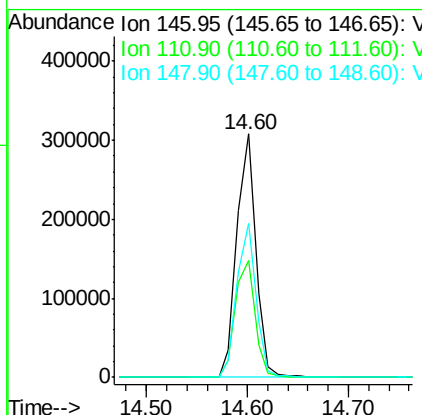
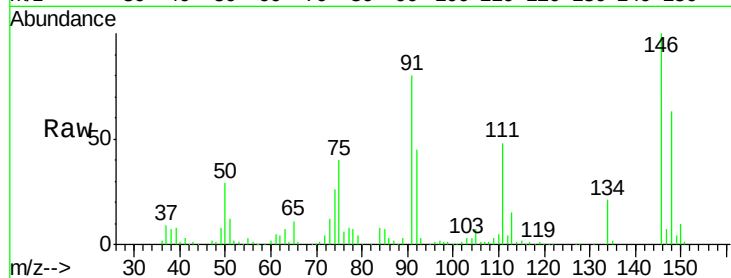




#91
 1,2-Dichlorobenzene
 Concen: 52.427 ug/l
 RT: 14.60 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

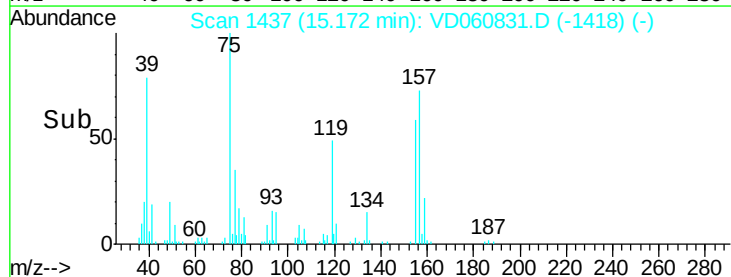
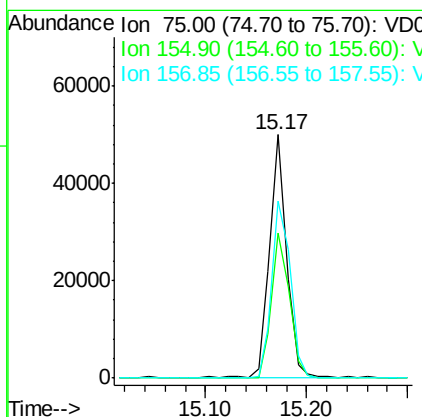
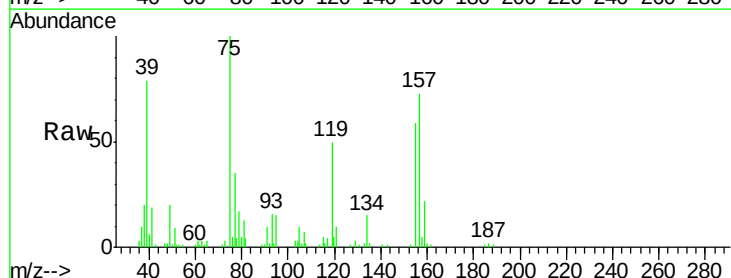
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

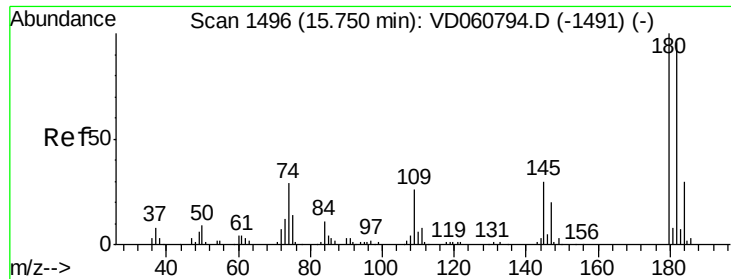
Tot Ion:146 Resp: 404403
 Ion Ratio Lower Upper
 146 100
 111 47.9 25.6 76.8
 148 63.2 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.315 ug/l
 RT: 15.17 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 75 Resp: 58856
 Ion Ratio Lower Upper
 75 100
 155 59.4 43.0 129.0
 157 72.7 56.3 168.9

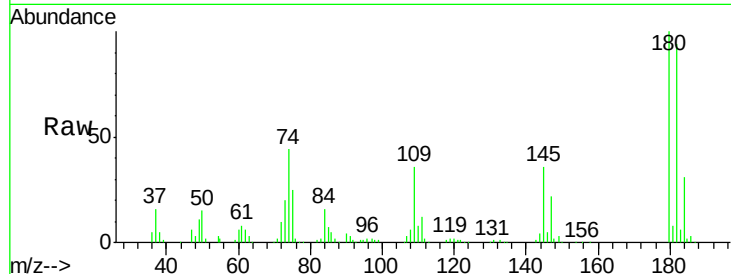




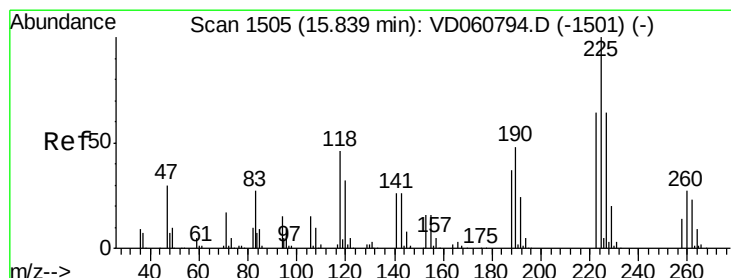
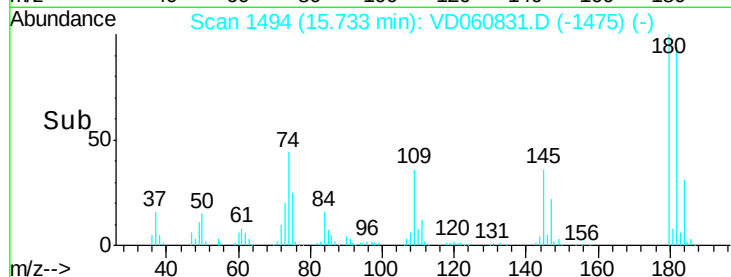
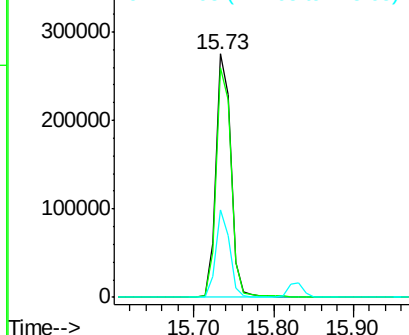
#93
 1,2,4-Trichlorobenzene
 Concen: 55.281 ug/l
 RT: 15.73 min Scan# 1494
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.7
145	36.0	15.0	45.1

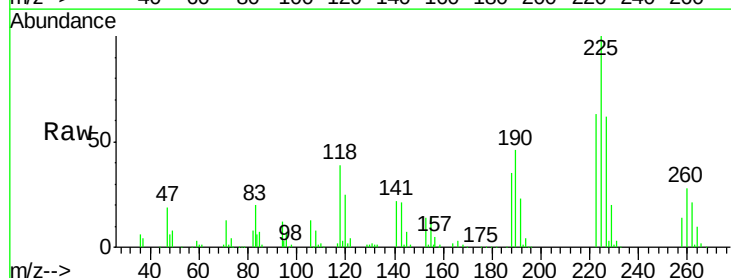


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

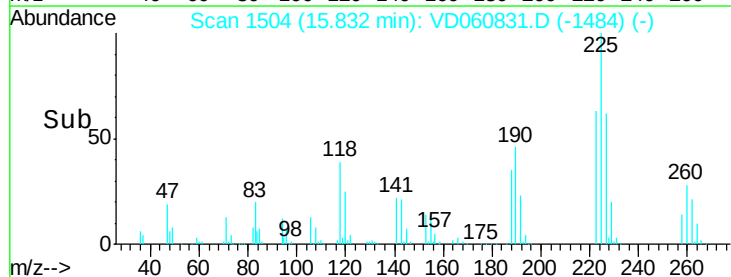
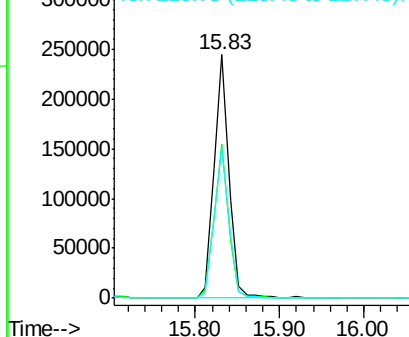


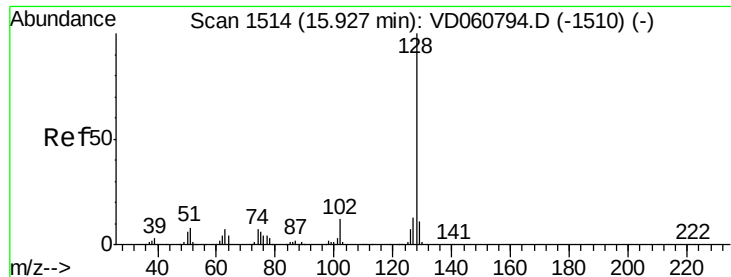
#94
 Hexachlorobutadiene
 Concen: 59.990 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.8	95.4
227	61.7	31.9	95.5



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

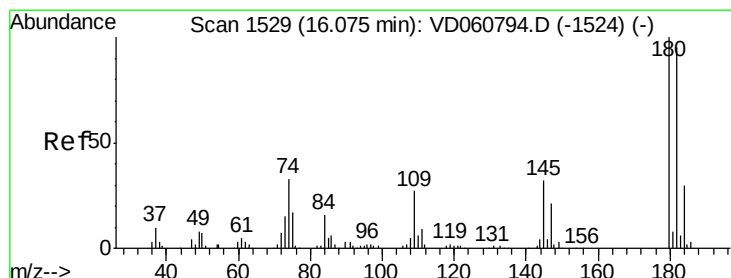
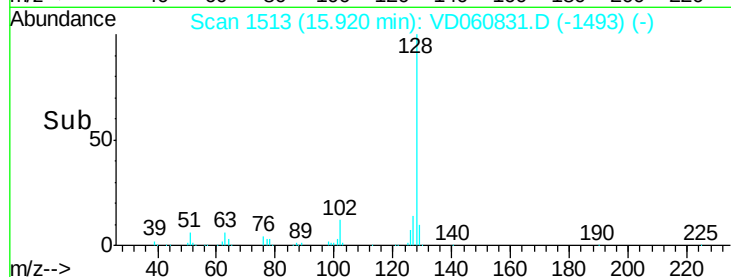
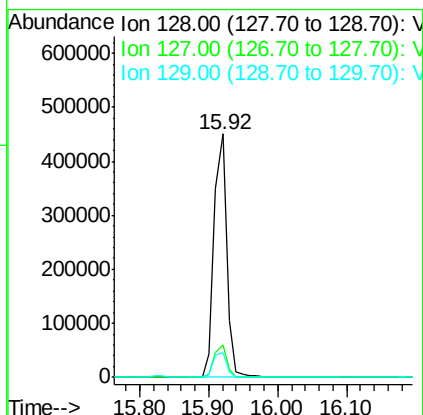
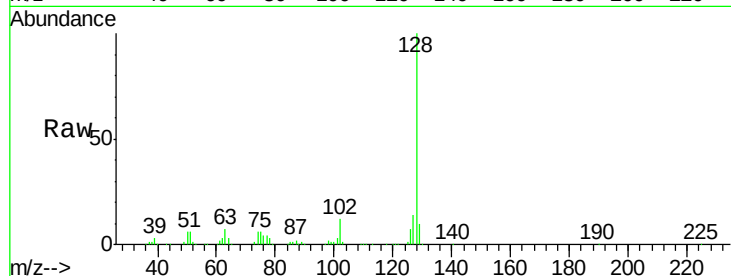




#95
Naphthalene
Concen: 56.640 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 581249
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 55.230 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:180 Resp: 320769
Ion Ratio Lower Upper
180 100
182 98.0 47.4 142.3
145 32.7 15.8 47.4

