

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060814.D
 Acq On : 1 Feb 2019 12:49
 Operator : VA/AP
 Sample : VD0201SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Quant Time: Feb 02 00:22:15 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	463483	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.94	114	673522	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	545712	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	261244	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	408781	57.53	ug/l	-0.04
Spiked Amount			Recovery	=	115.06%	
35) Dibromofluoromethane	6.65	113	337805	52.30	ug/l	-0.03
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	10.16	98	761424	50.48	ug/l	-0.03
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	13.34	95	370596	48.88	ug/l	-0.02
Spiked Amount			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	106677	18.931	ug/l	100
3) Chloromethane	1.74	50	68574	20.325	ug/l	98
4) Vinyl Chloride	1.83	62	74044	20.675	ug/l	99
5) Bromomethane	2.12	94	24394	21.563	ug/l	99
6) Chloroethane	2.22	64	23565	16.583	ug/l	90
7) Trichlorofluoromethane	2.46	101	167397	23.745	ug/l	94
8) Diethyl Ether	2.78	74	23374	22.501	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.03	101	85626	23.967	ug/l	96
10) Methyl Iodide	3.19	142	75375	20.151	ug/l	97
11) Tert butyl alcohol	3.91	59	27975	82.384	ug/l #	87
12) 1,1-Dichloroethene	3.02	96	56345	23.079	ug/l	96
13) Acrolein	2.93	56	18712	150.268	ug/l #	79
14) Allyl chloride	3.48	41	127835	22.500	ug/l #	94
15) Acrylonitrile	4.02	53	66855	87.869	ug/l	96
16) Acetone	3.10	43	107685	104.927	ug/l	99
17) Carbon Disulfide	3.25	76	191569	22.151	ug/l	100
18) Methyl Acetate	3.49	43	40148	19.734	ug/l	96
19) Methyl tert-butyl Ether	4.05	73	230190	20.652	ug/l	95
20) Methylene Chloride	3.65	84	89968	16.841	ug/l	95
21) trans-1,2-Dichloroethene	4.02	96	83981	19.513	ug/l	94
22) Diisopropyl ether	4.85	45	268722	18.354	ug/l	90
23) Vinyl Acetate	4.79	43	841142	99.765	ug/l	99
24) 1,1-Dichloroethane	4.73	63	199125	20.776	ug/l	97
25) 2-Butanone	5.80	43	123033	93.661	ug/l	93
26) 2,2-Dichloropropane	5.75	77	211552	20.948	ug/l	97
27) cis-1,2-Dichloroethene	5.76	96	91173	18.600	ug/l	94
28) Bromochloromethane	6.16	49	75683	20.242	ug/l	86
29) Tetrahydrofuran	6.18	42	57469	91.103	ug/l	98
30) Chloroform	6.38	83	232049	20.484	ug/l	98
31) Cyclohexane	6.68	56	126900	19.460	ug/l	100
32) 1,1,1-Trichloroethane	6.59	97	242760	22.253	ug/l	93
36) 1,1-Dichloropropene	6.87	75	165000	20.518	ug/l	96
37) Ethyl Acetate	5.91	43	64671	18.015	ug/l	96
38) Carbon Tetrachloride	6.83	117	210430	20.868	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060814.D
 Acq On : 1 Feb 2019 12:49
 Operator : VA/AP
 Sample : VD0201SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Quant Time: Feb 02 00:22:15 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)
39) Methylcyclohexane	8.59	83	127180	18.885	ug/l	95
40) Benzene	7.18	78	300396	18.927	ug/l	99
41) Methacrylonitrile	6.18	41	77547	34.015	ug/l #	90
42) 1,2-Dichloroethane	7.31	62	196818	21.346	ug/l	96
43) Isopropyl Acetate	8.98	43	85641	18.291	ug/l	95
44) Trichloroethene	8.27	130	101816	18.923	ug/l	90
45) 1,2-Dichloropropane	8.67	63	74557	17.353	ug/l	99
46) Dibromomethane	8.79	93	65802	19.729	ug/l #	83
47) Bromodichloromethane	9.11	83	180200	20.016	ug/l	96
48) Methyl methacrylate	8.85	41	59992	18.581	ug/l	92
49) 1,4-Dioxane	8.82	88	8717	334.023	ug/l #	81
51) 4-Methyl-2-Pentanone	10.05	43	279938	92.327	ug/l	99
52) Toluene	10.26	92	185732	18.448	ug/l	98
53) t-1,3-Dichloropropene	10.66	75	159476	20.139	ug/l	99
54) cis-1,3-Dichloropropene	9.79	75	155977	19.208	ug/l	94
55) 1,1,2-Trichloroethane	10.95	97	60452	17.611	ug/l	97
56) Ethyl methacrylate	10.79	69	76462	18.388	ug/l	95
57) 1,3-Dichloropropane	11.16	76	104066	17.739	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.60	63	205407	94.148	ug/l	95
59) 2-Hexanone	11.29	43	210375	92.279	ug/l	93
60) Dibromochloromethane	11.45	129	117861	19.099	ug/l	96
61) 1,2-Dibromoethane	11.57	107	74077	18.325	ug/l	96
64) Tetrachloroethene	11.01	164	89573	17.885	ug/l	95
65) Chlorobenzene	12.17	112	237427	19.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	102802	19.187	ug/l	99
67) Ethyl Benzene	12.30	91	437633	19.516	ug/l	98
68) m/p-Xylenes	12.44	106	278023	38.107	ug/l	95
69) o-Xylene	12.83	106	134875	18.678	ug/l	83
70) Styrene	12.85	104	217366	17.951	ug/l	92
71) Bromoform	13.01	173	73246	18.145	ug/l	92
73) Isopropylbenzene	13.18	105	452597	21.729	ug/l	98
74) N-amyl acetate	13.04	43	117734	18.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.49	83	72161	19.027	ug/l	96
76) 1,2,3-Trichloropropane	13.52	75	93537	19.525	ug/l	99
77) Bromobenzene	13.45	156	111603	20.844	ug/l	88
78) n-propylbenzene	13.56	91	572509	21.895	ug/l	95
79) 2-Chlorotoluene	13.63	91	357789	22.434	ug/l	97
80) 1,3,5-Trimethylbenzene	14.03	105	387920	21.633	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.26	75	20225	16.194	ug/l	96
82) 4-Chlorotoluene	13.73	91	365852	20.640	ug/l	97
83) tert-Butylbenzene	13.98	119	418212	22.292	ug/l	90
84) 1,2,4-Trimethylbenzene	14.03	105	387920	21.633	ug/l	96
85) sec-Butylbenzene	14.16	105	474887	22.237	ug/l	97
86) p-Isopropyltoluene	14.27	119	394486	22.752	ug/l	99
87) 1,3-Dichlorobenzene	14.25	146	207013	21.616	ug/l	97
88) 1,4-Dichlorobenzene	14.32	146	183851	19.758	ug/l	97
89) n-Butylbenzene	14.59	91	368400	20.365	ug/l	97
90) Hexachloroethane	14.80	117	107933	20.919	ug/l	84
91) 1,2-Dichlorobenzene	14.60	146	153389	19.296	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.17	75	17280	19.178	ug/l	66

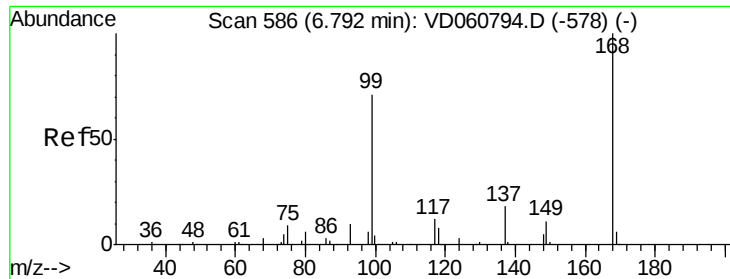
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
Data File : VD060814.D
Acq On : 1 Feb 2019 12:49
Operator : VA/AP
Sample : VD0201SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Quant Time: Feb 02 00:22:15 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)
93) 1,2,4-Trichlorobenzene	15.74	180	155198	22.548	ug/l	98
94) Hexachlorobutadiene	15.83	225	113736	22.023	ug/l	99
95) Naphthalene	15.92	128	201085	19.014	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	118197	19.748	ug/l	99

(#) = 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

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

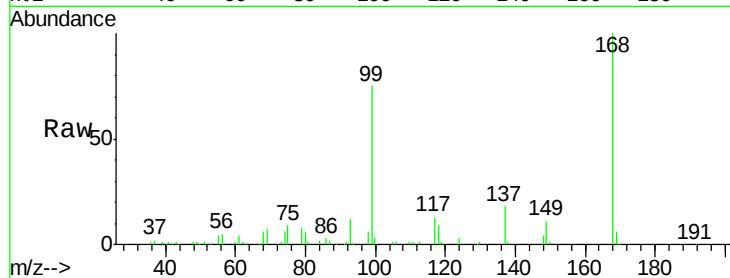
VD0201SBS01

Tot Ion:168 Resp: 463483

Ion Ratio Lower Upper

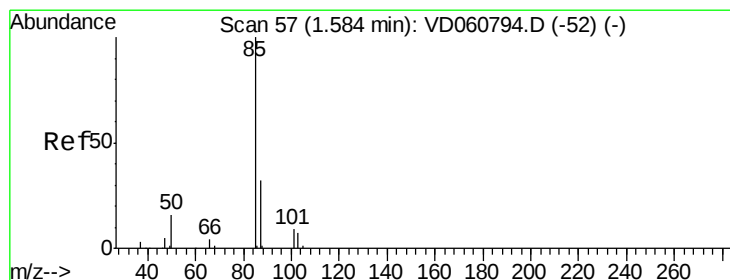
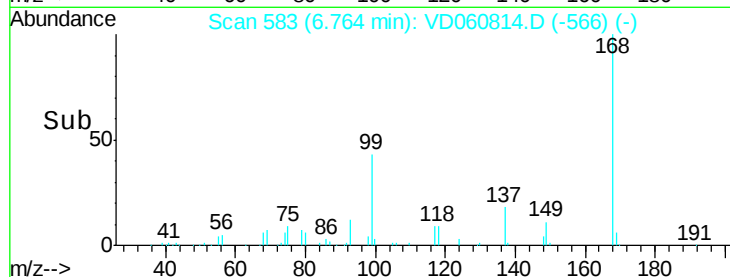
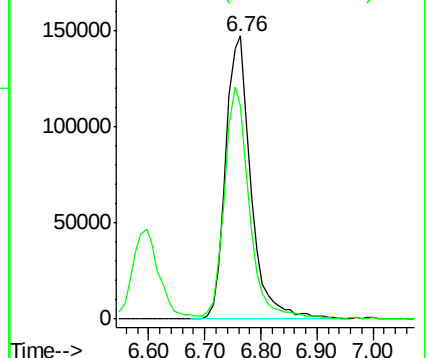
168 100

99 75.2 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.931 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.01 min

Lab File: VD060814.D

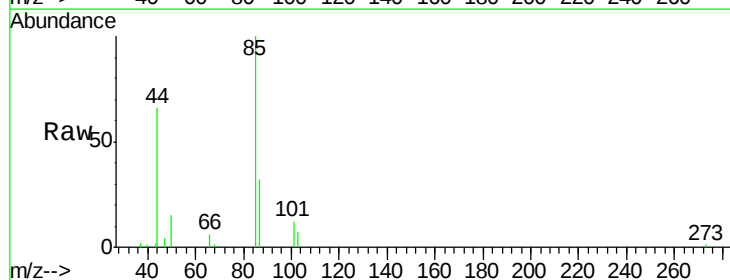
Acq: 1 Feb 2019 12:49

Tgt Ion: 85 Resp: 106677

Ion Ratio Lower Upper

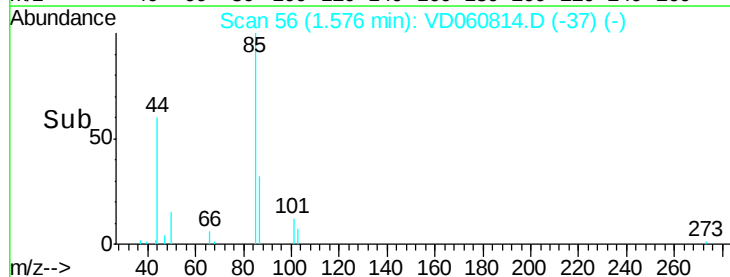
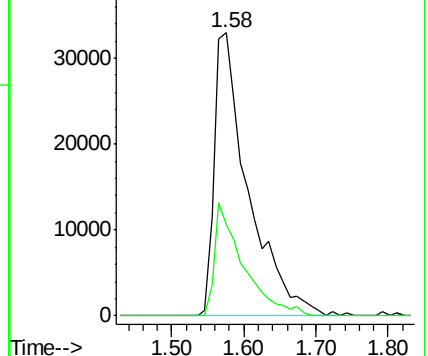
85 100

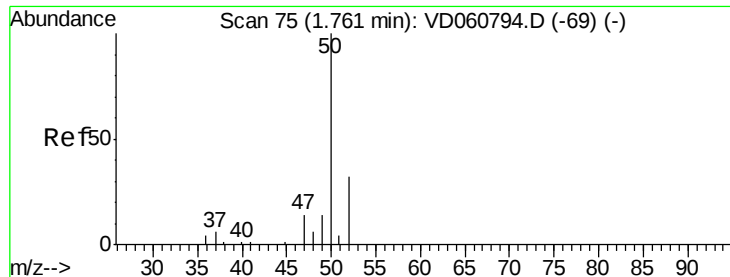
87 32.2 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.325 ug/l

RT: 1.74 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

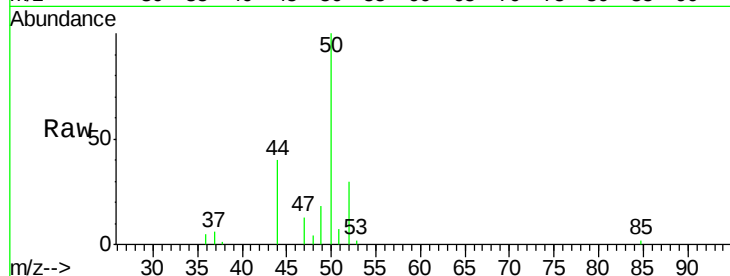
VD0201SBS01

Tot Ion: 50 Resp: 68574

Ion Ratio Lower Upper

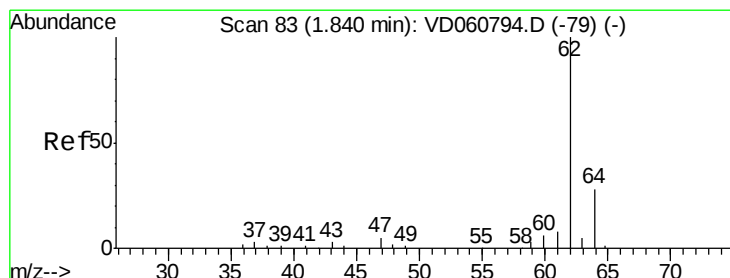
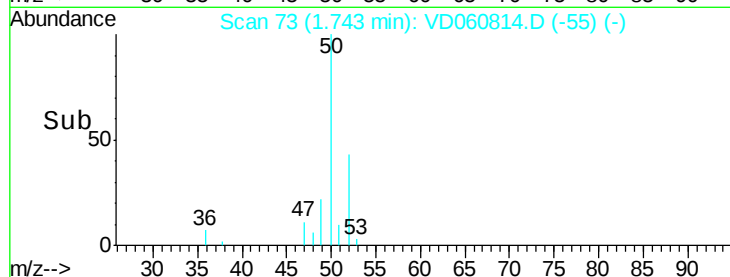
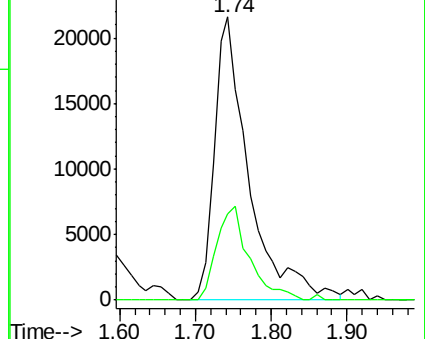
50 100

52 30.3 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: 20.675 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD060814.D

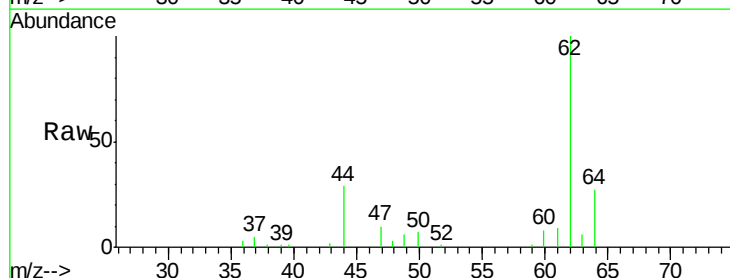
Acq: 1 Feb 2019 12:49

Tgt Ion: 62 Resp: 74044

Ion Ratio Lower Upper

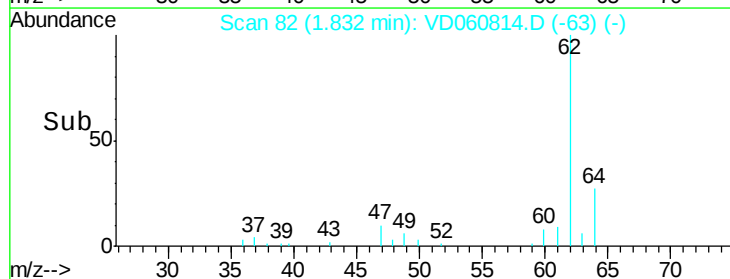
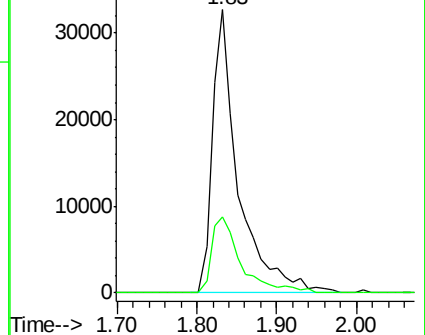
62 100

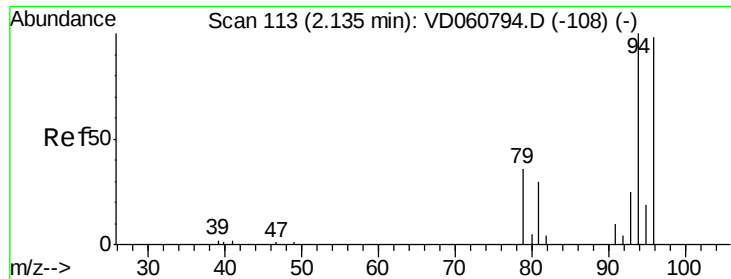
64 26.9 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.563 ug/l

RT: 2.12 min Scan# 111

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

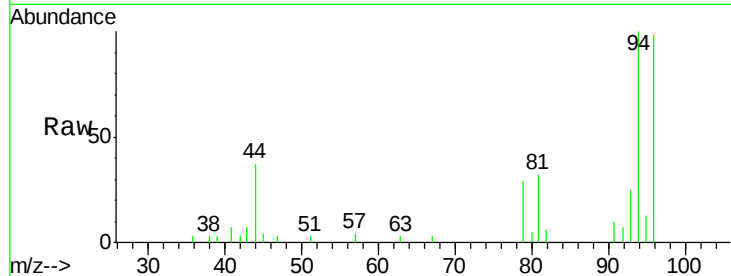
VD0201SBS01

Tot Ion: 94 Resp: 24394

Ion Ratio Lower Upper

94 100

96 98.2 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

12000

10000

8000

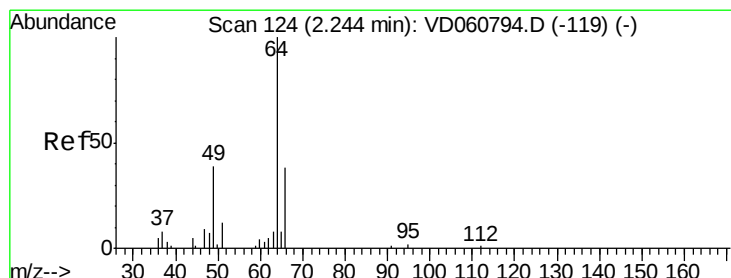
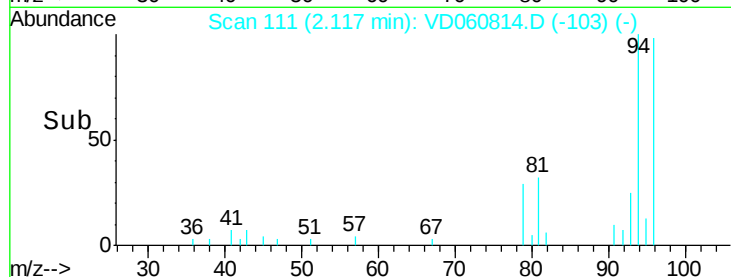
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 16.583 ug/l

RT: 2.22 min Scan# 121

Delta R.T. -0.03 min

Lab File: VD060814.D

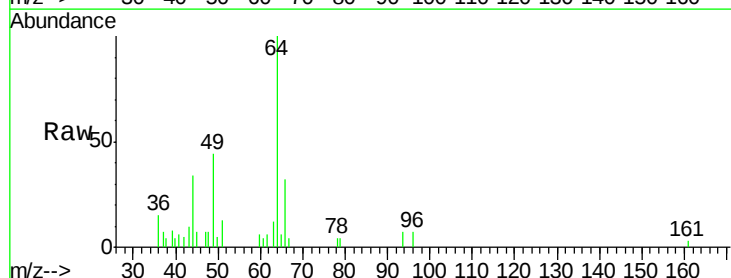
Acq: 1 Feb 2019 12:49

Tgt Ion: 64 Resp: 23565

Ion Ratio Lower Upper

64 100

66 31.6 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.22

12000

10000

8000

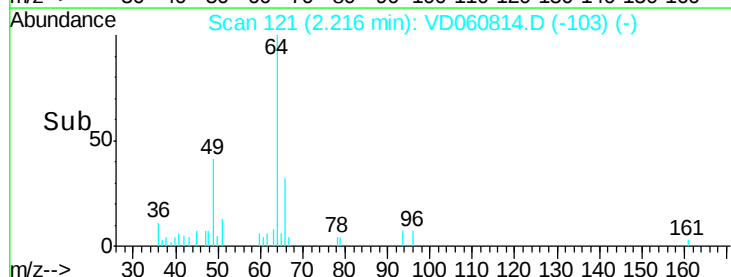
6000

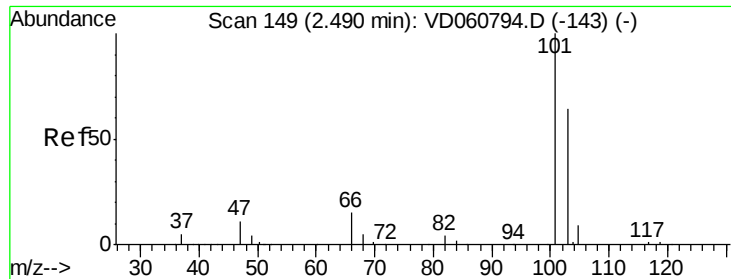
4000

2000

0

Time-->



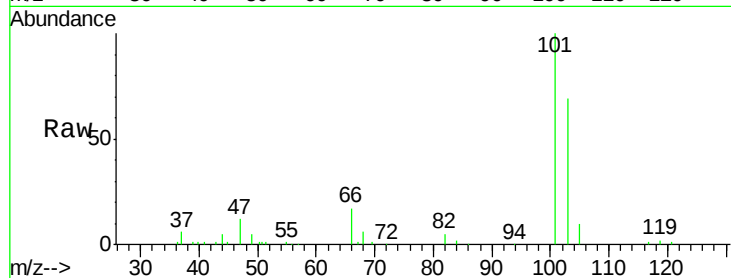


#7

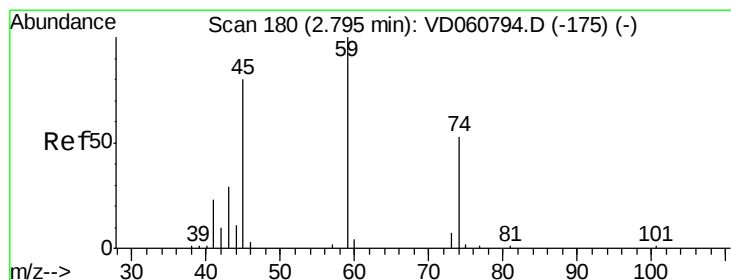
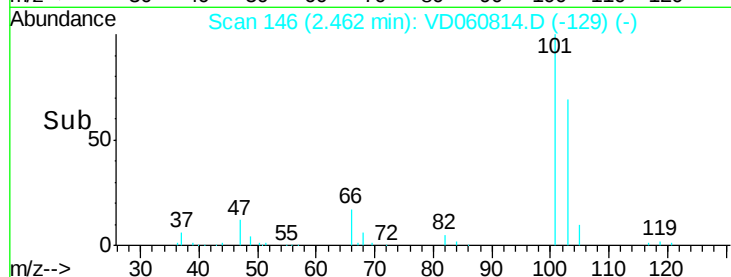
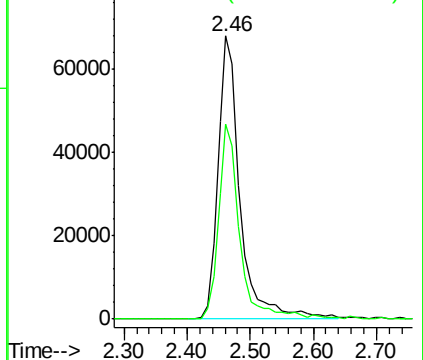
Trichlorofluoromethane
 Concen: 23.745 ug/l
 RT: 2.46 min Scan# 146
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion:101 Resp: 167397
 Ion Ratio Lower Upper
 101 100
 103 68.9 51.3 76.9



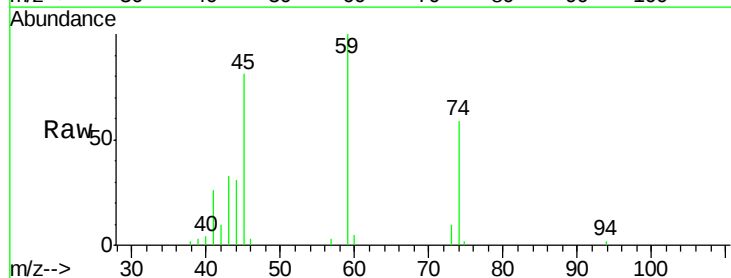
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



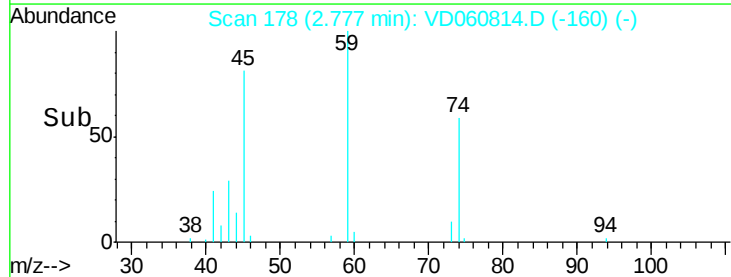
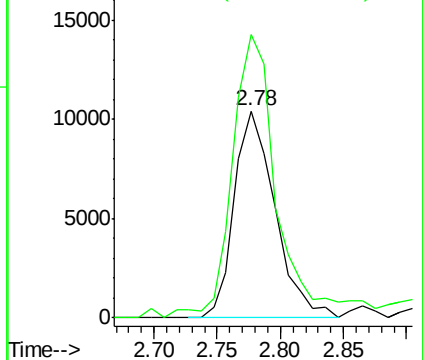
#8

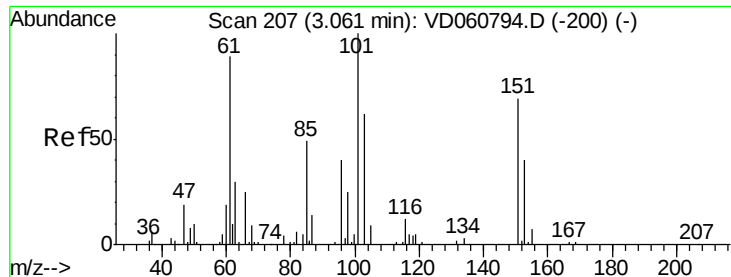
Diethyl Ether
 Concen: 22.501 ug/l
 RT: 2.78 min Scan# 178
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 74 Resp: 23374
 Ion Ratio Lower Upper
 74 100
 45 136.7 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: 23.967 ug/l

RT: 3.03 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

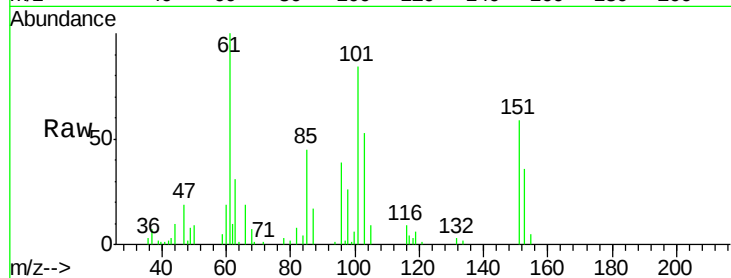
Tot Ion:101 Resp: 85626

Ion Ratio Lower Upper

101 100

85 53.8 39.3 58.9

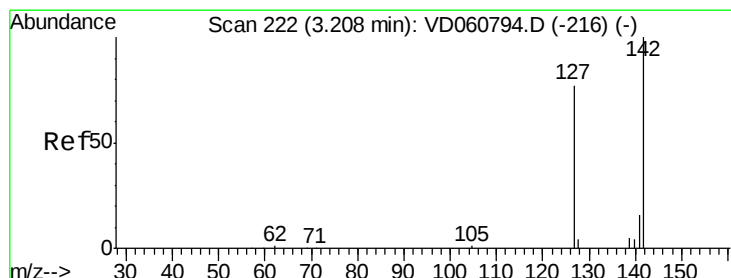
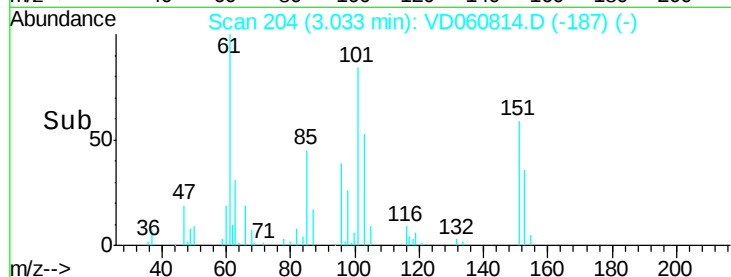
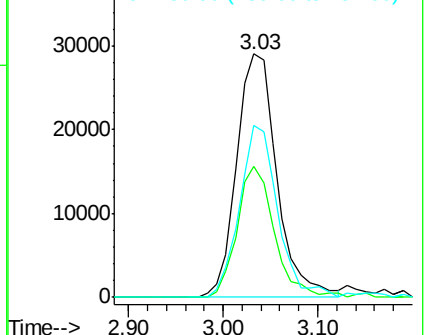
151 70.4 55.1 82.7



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: 20.151 ug/l

RT: 3.19 min Scan# 220

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

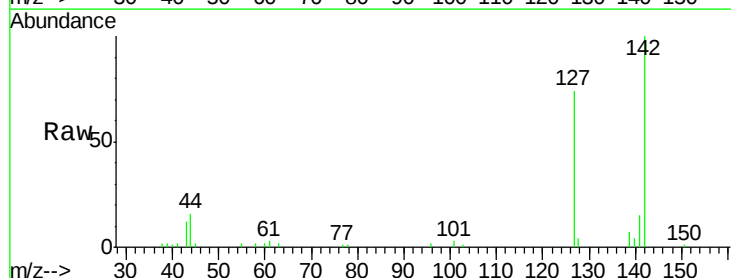
Tgt Ion:142 Resp: 75375

Ion Ratio Lower Upper

142 100

127 74.3 61.6 92.4

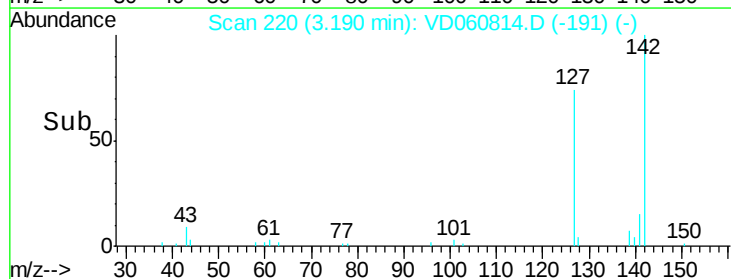
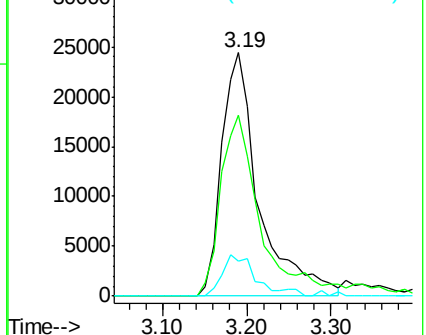
141 14.6 12.5 18.7

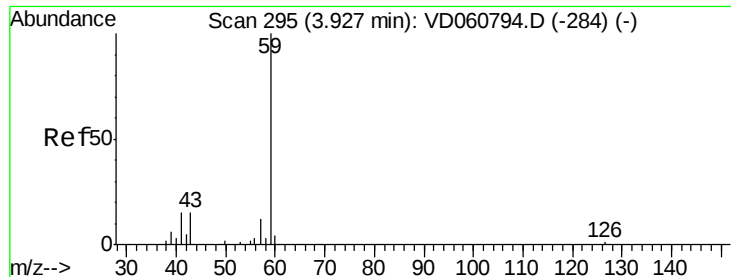


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 82.384 ug/l

RT: 3.91 min Scan# 293

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

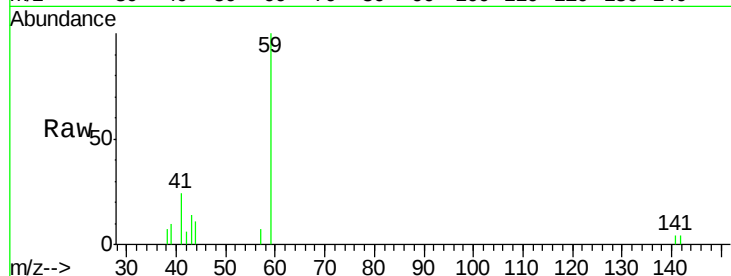
VD0201SBS01

Tot Ion: 59 Resp: 27975

Ion Ratio Lower Upper

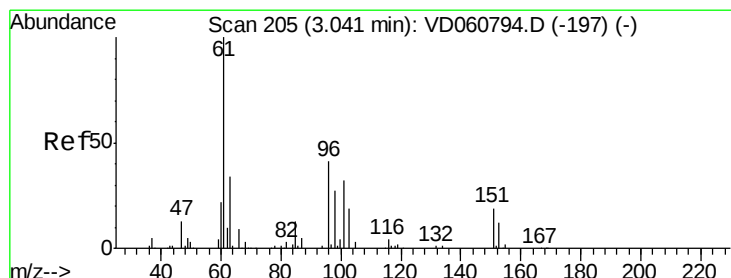
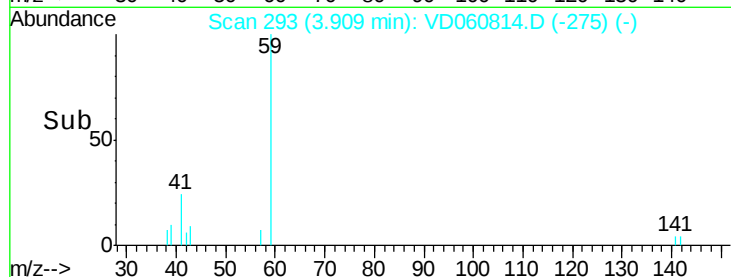
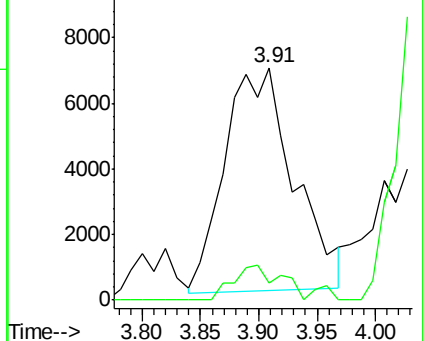
59 100

57 7.2 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: 23.079 ug/l

RT: 3.02 min Scan# 203

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

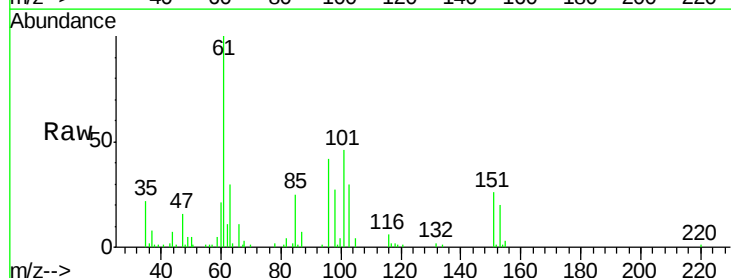
Tgt Ion: 96 Resp: 56345

Ion Ratio Lower Upper

96 100

61 236.0 195.1 292.7

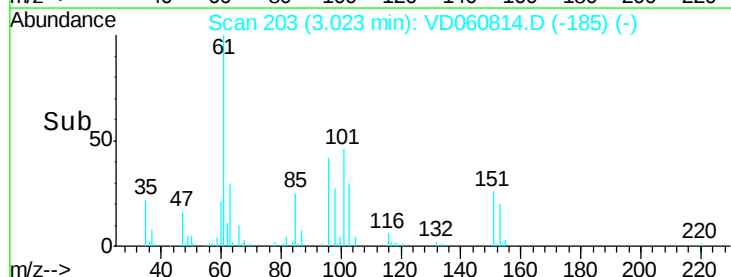
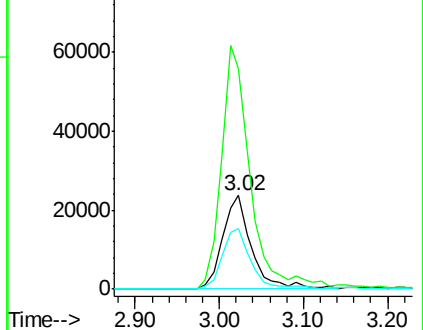
98 64.6 52.5 78.7

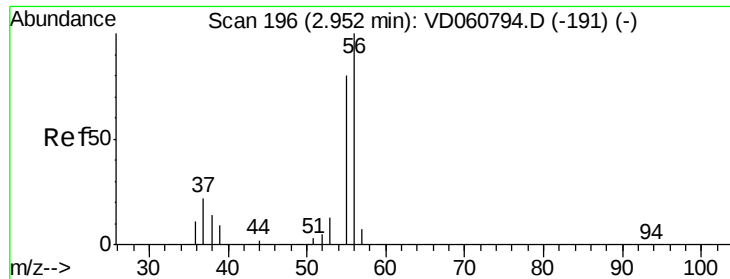


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 150.268 ug/l

RT: 2.93 min Scan# 194

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

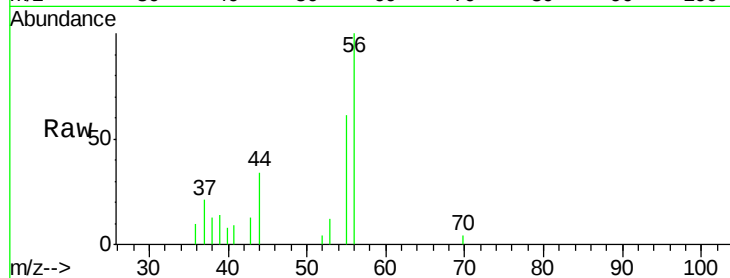
VD0201SBS01

Tot Ion: 56 Resp: 18712

Ion Ratio Lower Upper

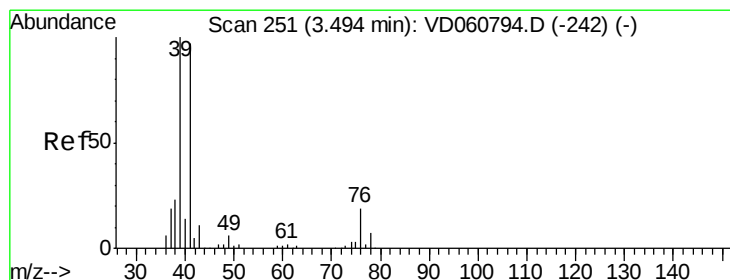
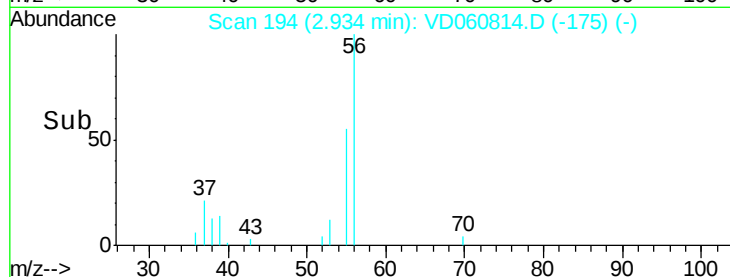
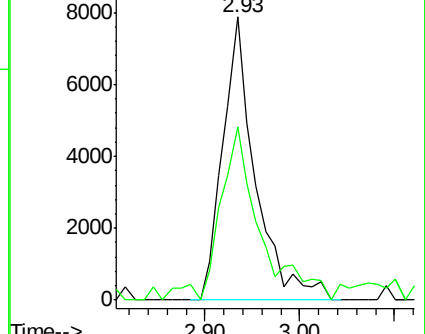
56 100

55 61.4 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.500 ug/l

RT: 3.48 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

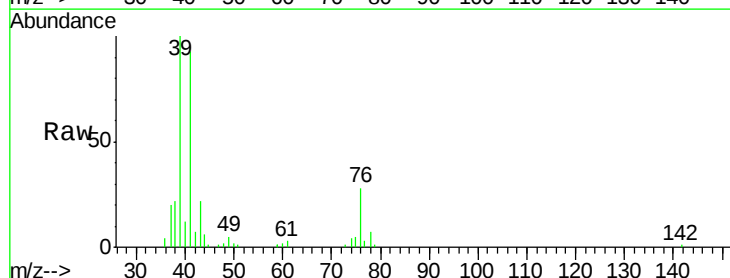
Tgt Ion: 41 Resp: 127835

Ion Ratio Lower Upper

41 100

39 107.3 82.6 123.8

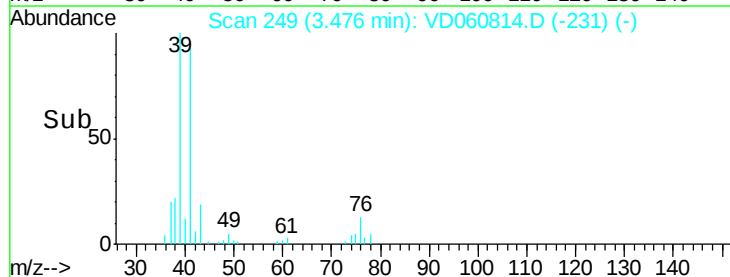
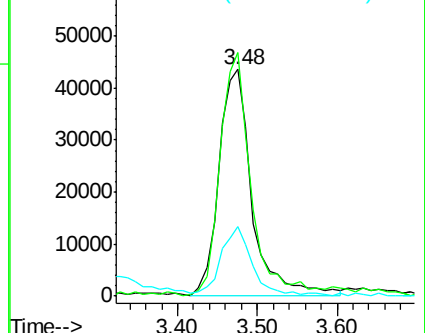
76 30.5 18.9 28.3#

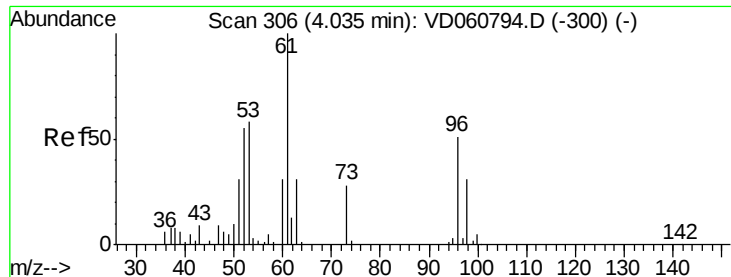


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 87.869 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

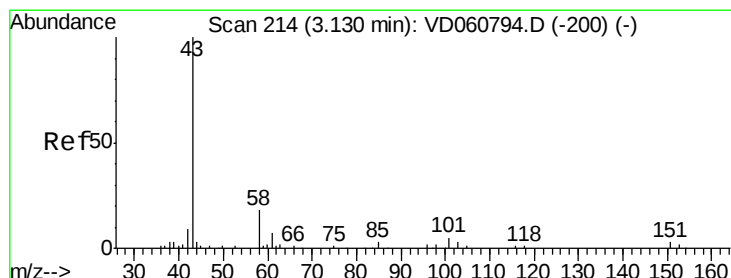
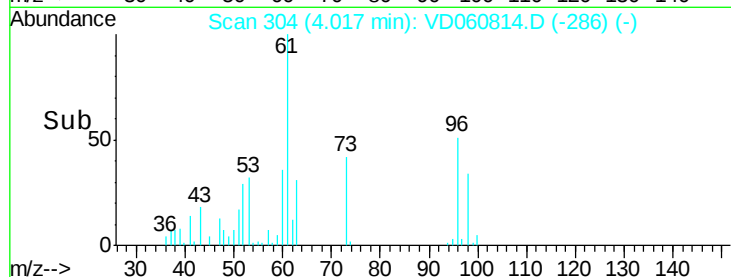
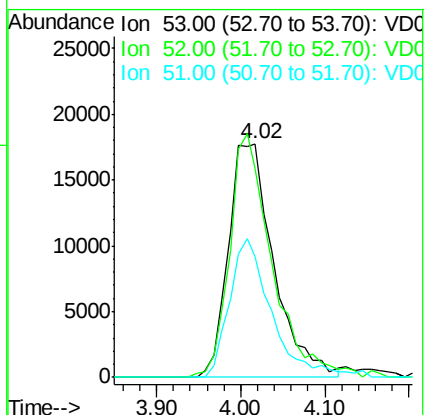
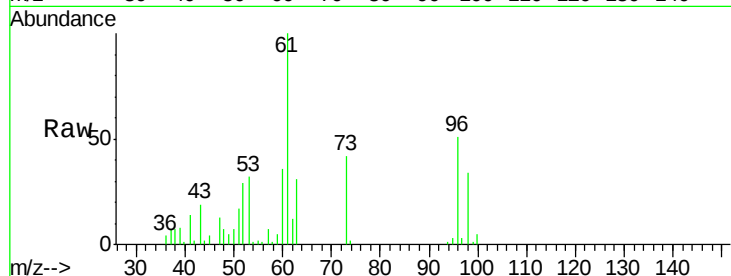
Tot Ion: 53 Resp: 66855

Ion Ratio Lower Upper

53 100

52 89.6 75.4 113.2

51 51.9 42.5 63.7



#16

Acetone

Concen: 104.927 ug/l

RT: 3.10 min Scan# 211

Delta R.T. -0.03 min

Lab File: VD060814.D

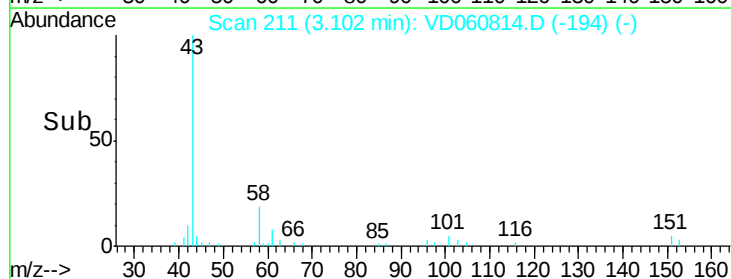
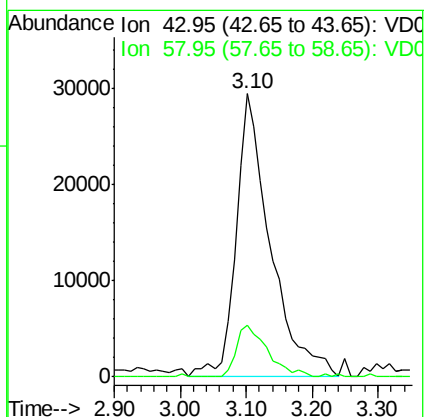
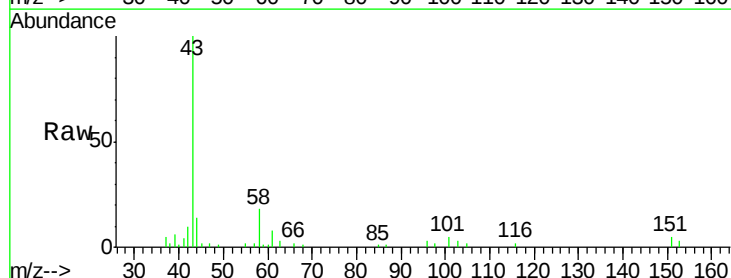
Acq: 1 Feb 2019 12:49

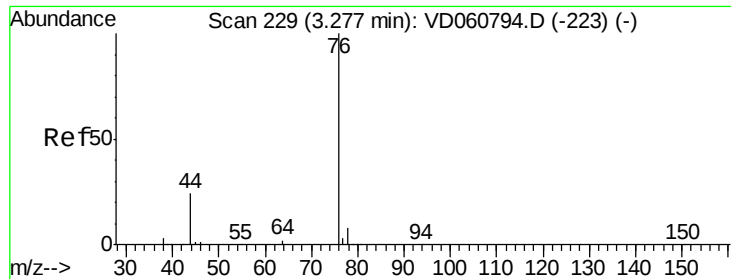
Tgt Ion: 43 Resp: 107685

Ion Ratio Lower Upper

43 100

58 18.4 14.5 21.7

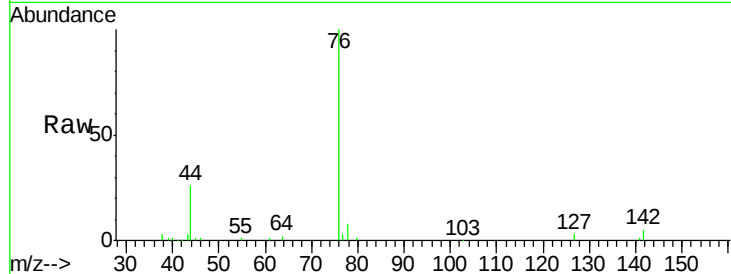




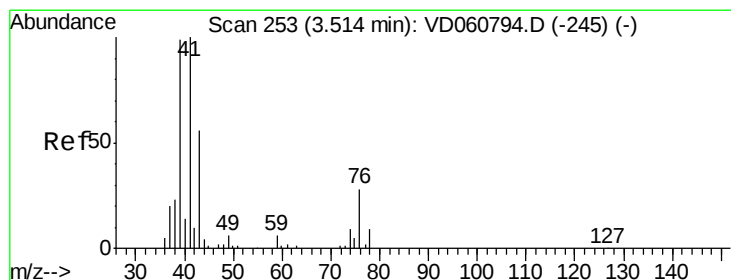
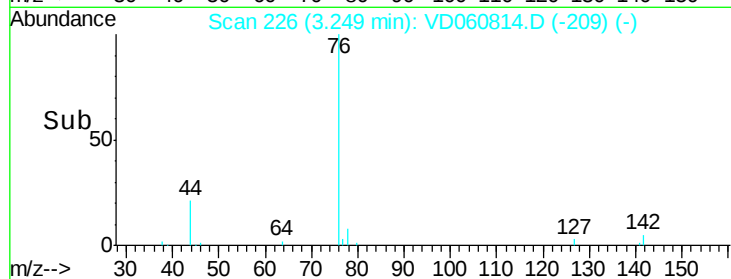
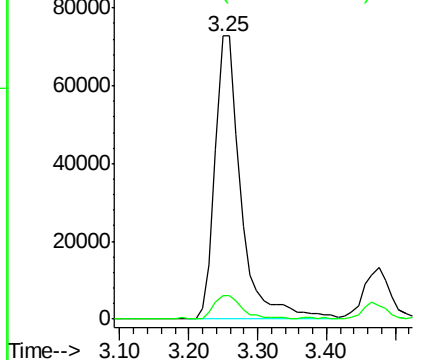
#17
Carbon Disulfide
Concen: 22.151 ug/l
RT: 3.25 min Scan# 226
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 76 Resp: 191569
Ion Ratio Lower Upper
76 100
78 8.1 6.5 9.7

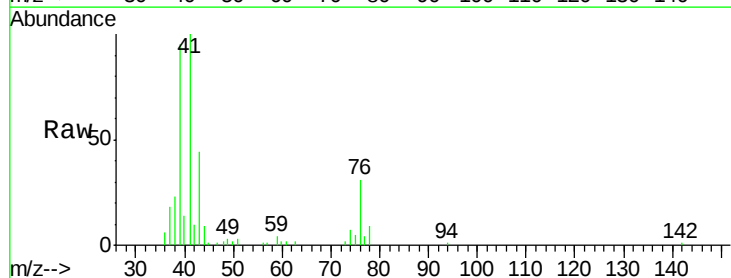


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

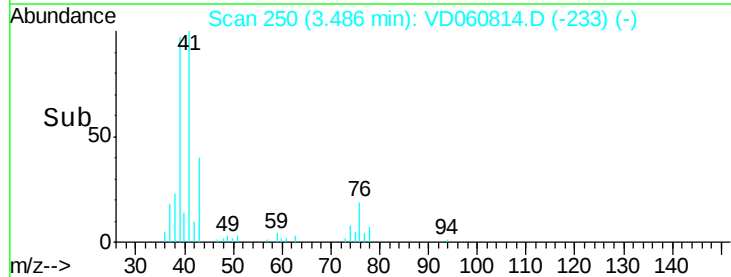
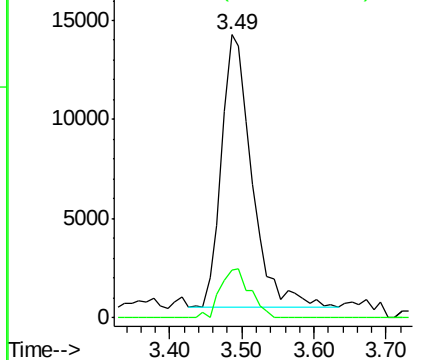


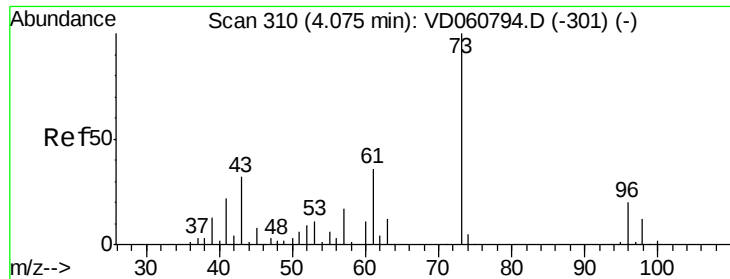
#18
Methyl Acetate
Concen: 19.734 ug/l
RT: 3.49 min Scan# 250
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 43 Resp: 40148
Ion Ratio Lower Upper
43 100
74 17.1 12.5 18.7



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

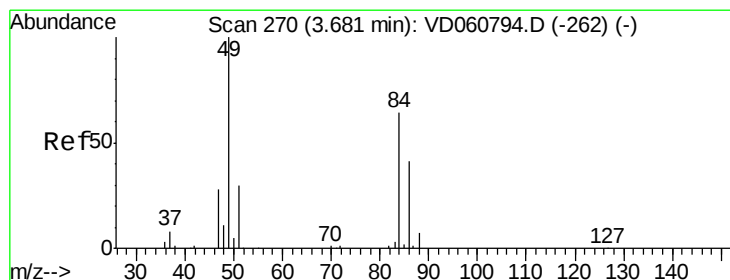
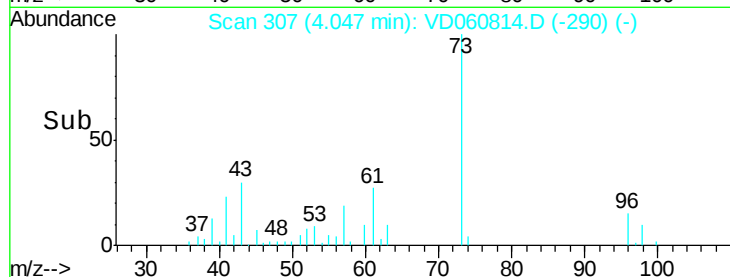
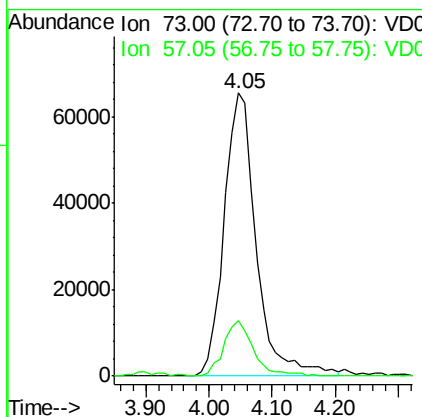
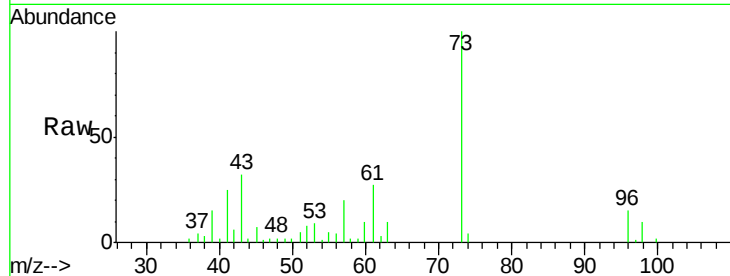




#19
Methyl tert-butyl Ether
Concen: 20.652 ug/l
RT: 4.05 min Scan# 307
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

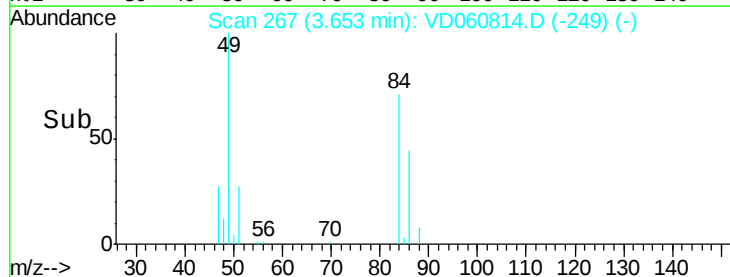
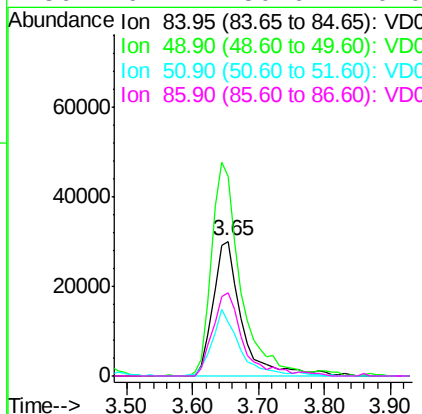
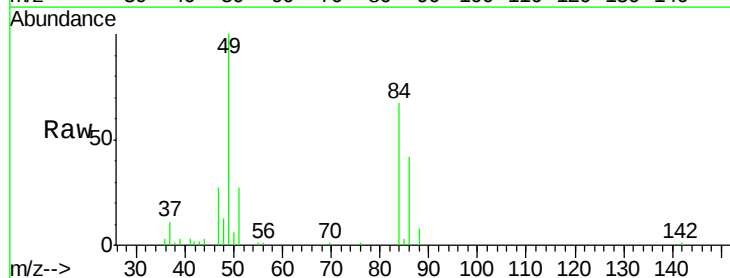
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

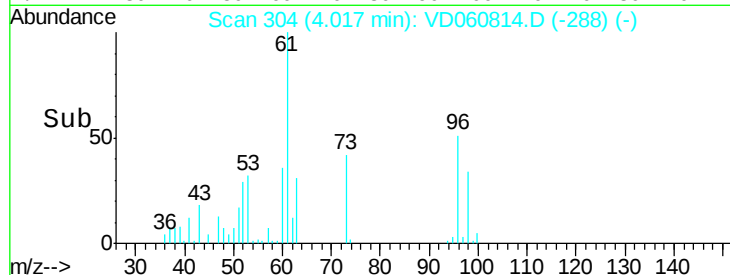
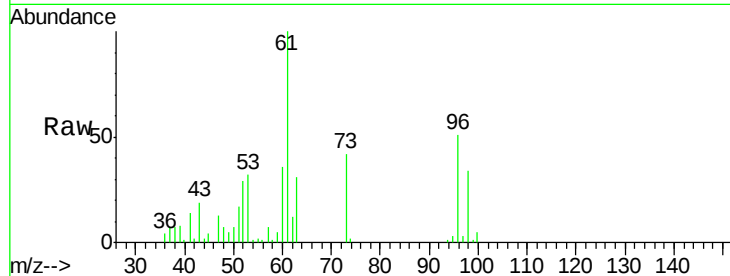
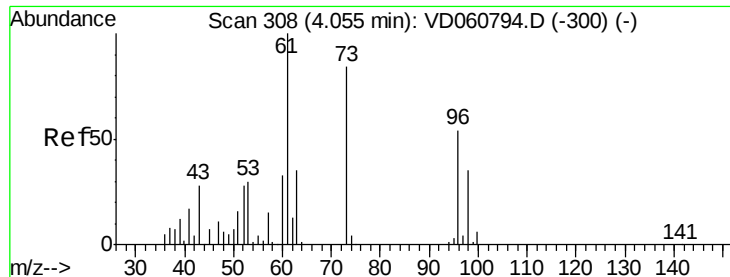
Tot Ion: 73 Resp: 230190
Ion Ratio Lower Upper
73 100
57 19.7 14.0 21.0



#20
Methylene Chloride
Concen: 16.841 ug/l
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 84 Resp: 89968
Ion Ratio Lower Upper
84 100
49 148.1 124.2 186.2
51 40.5 38.1 57.1
86 62.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.513 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.04 min

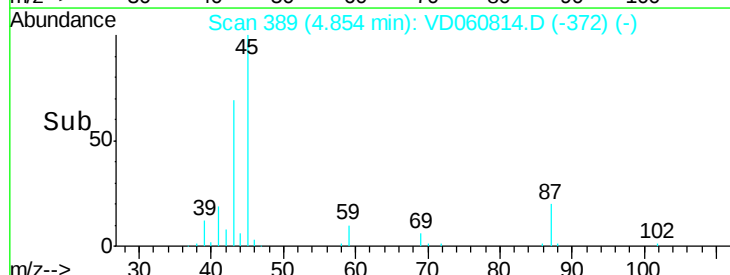
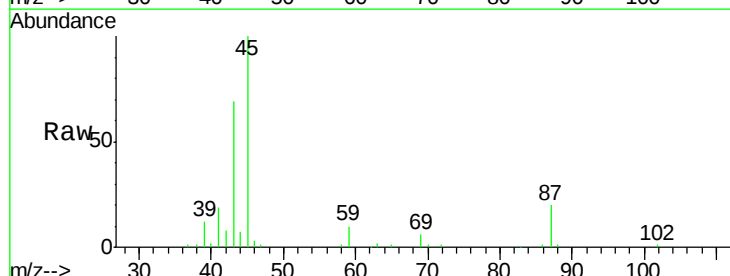
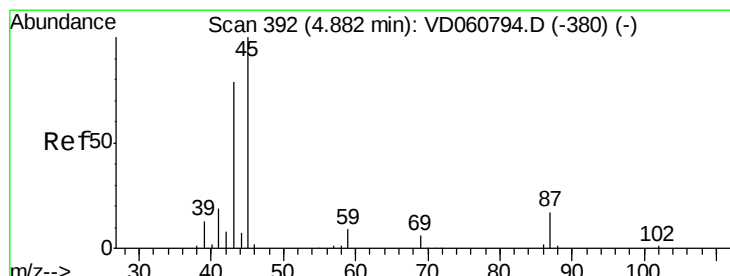
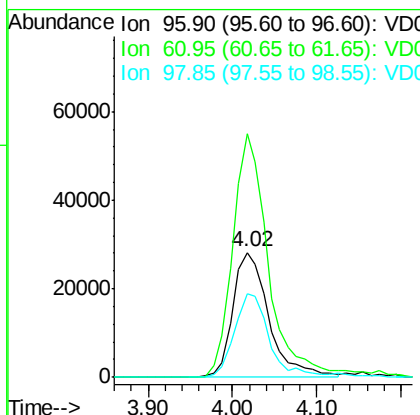
Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 96 Resp: 83981

Ion	Ratio	Lower	Upper
96	100		
61	194.5	147.4	221.2
98	66.7	51.5	77.3



#22

Diisopropyl ether

Concen: 18.354 ug/l

RT: 4.85 min Scan# 389

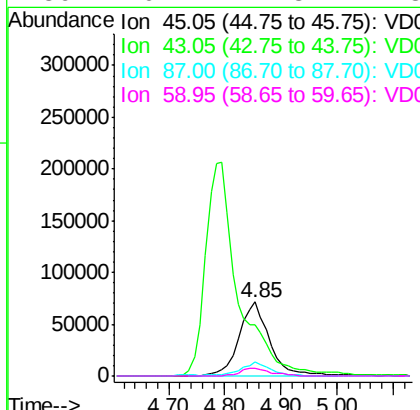
Delta R.T. -0.03 min

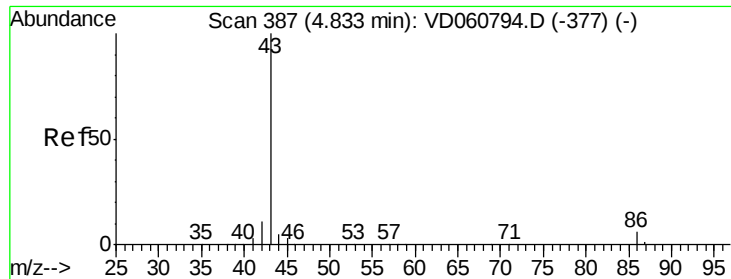
Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion: 45 Resp: 268722

Ion	Ratio	Lower	Upper
45	100		
43	69.3	64.3	96.5
87	19.6	14.3	21.5
59	10.1	7.8	11.8





#23

Vinyl Acetate

Concen: 99.765 ug/l

RT: 4.79 min Scan# 383

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

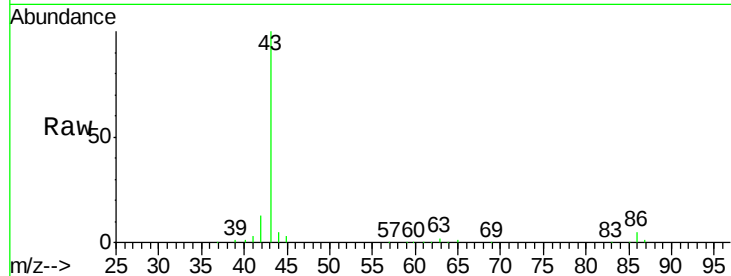
VD0201SBS01

Tot Ion: 43 Resp: 841142

Ion Ratio Lower Upper

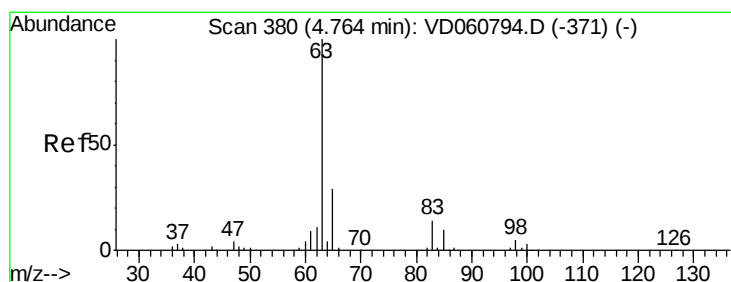
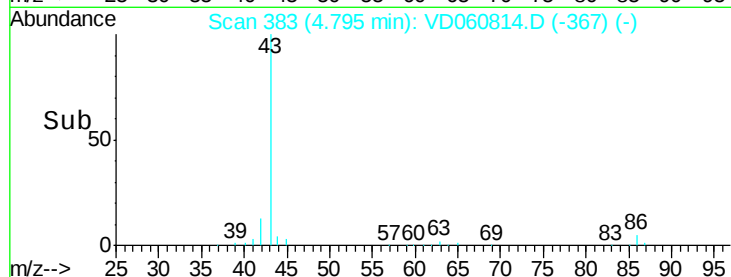
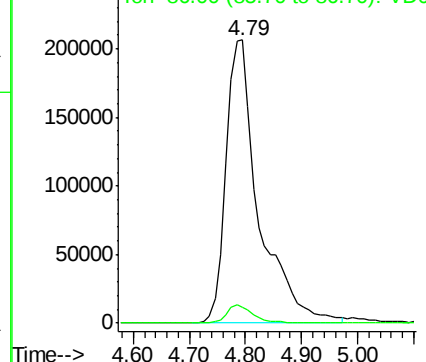
43 100

86 5.5 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.776 ug/l

RT: 4.73 min Scan# 376

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

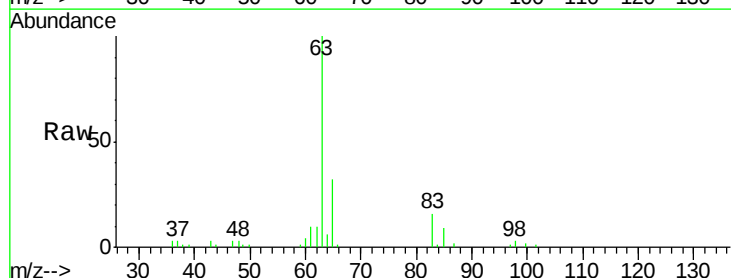
Tgt Ion: 63 Resp: 199125

Ion Ratio Lower Upper

63 100

98 3.2 2.3 6.9

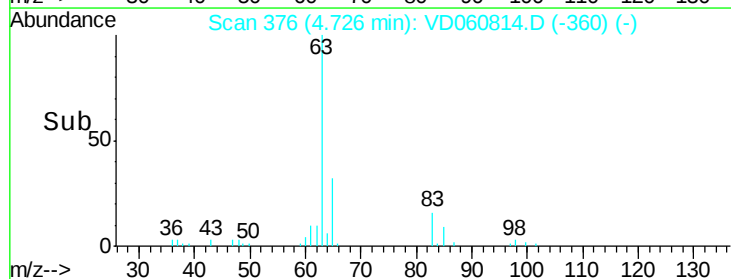
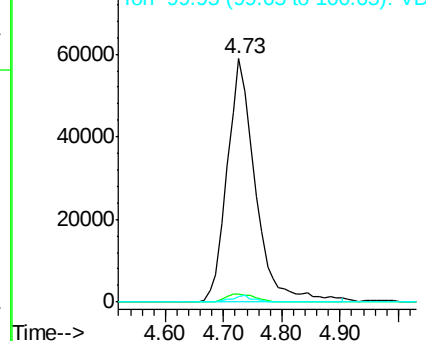
100 2.3 1.3 3.8

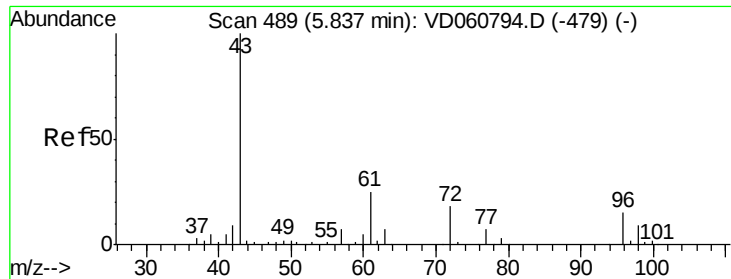


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 93.661 ug/l

RT: 5.80 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

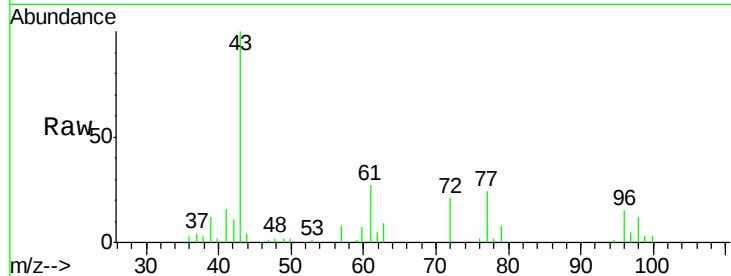
VD0201SBS01

Tot Ion: 43 Resp: 123033

Ion Ratio Lower Upper

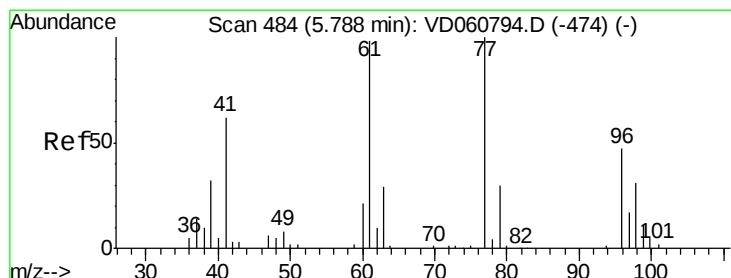
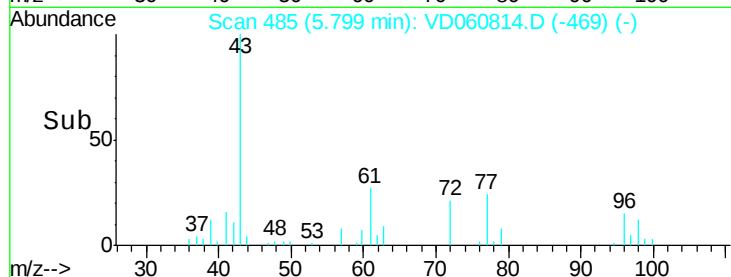
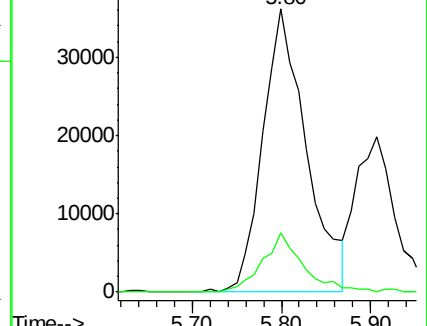
43 100

72 21.0 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: 20.948 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD060814.D

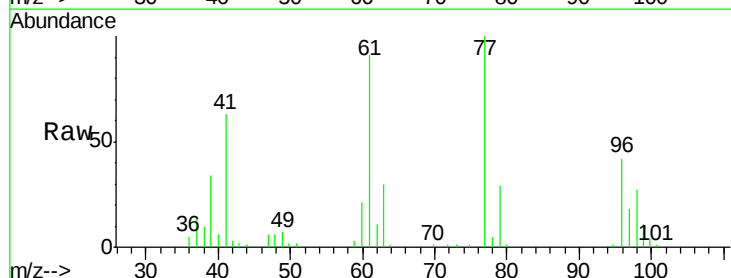
Acq: 1 Feb 2019 12:49

Tgt Ion: 77 Resp: 211552

Ion Ratio Lower Upper

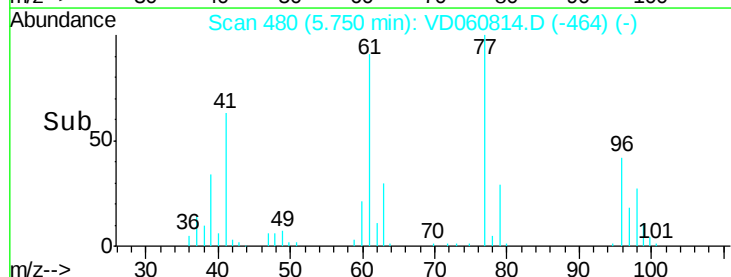
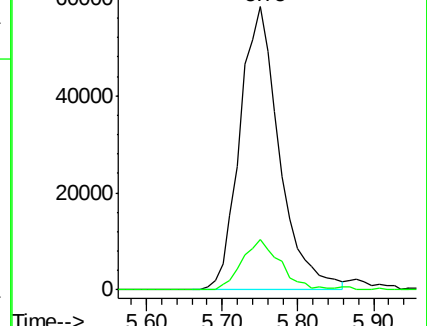
77 100

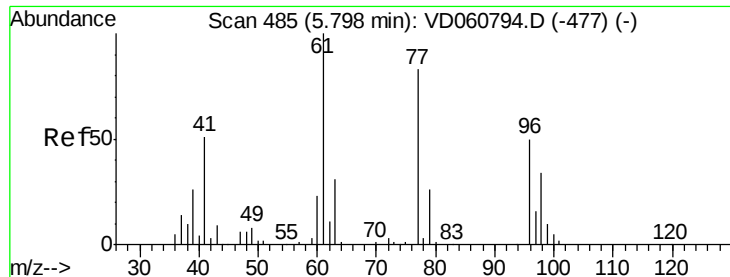
97 17.7 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



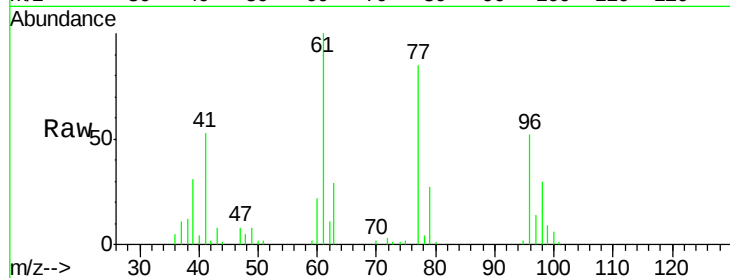


#27

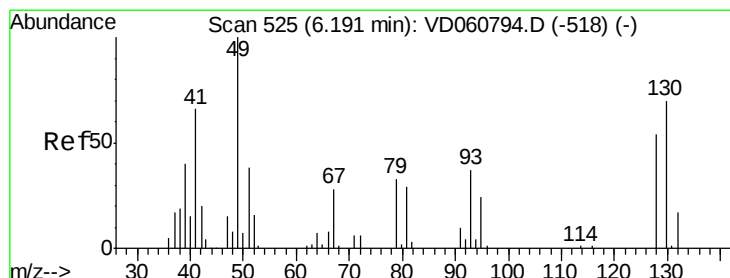
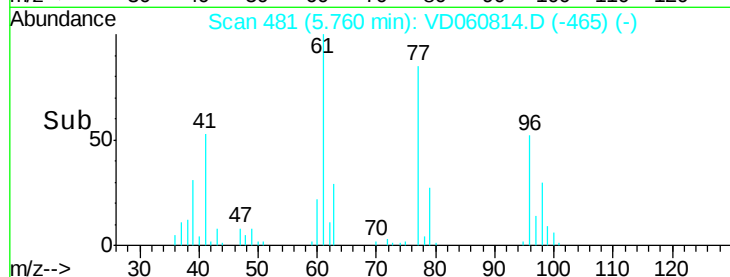
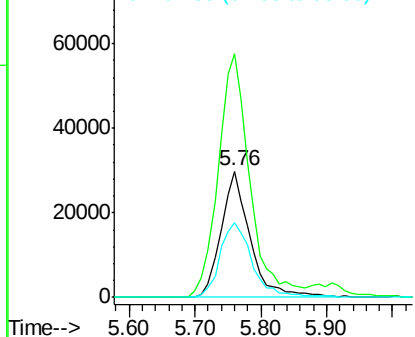
cis-1,2-Dichloroethene
 Concen: 18.600 ug/l
 RT: 5.76 min Scan# 481
 Delta R.T. -0.04 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion: 96 Resp: 91173
 Ion Ratio Lower Upper
 96 100
 61 193.0 0.0 400.0
 98 58.7 0.0 136.4



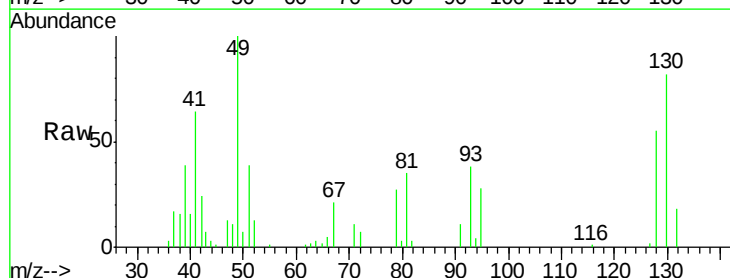
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



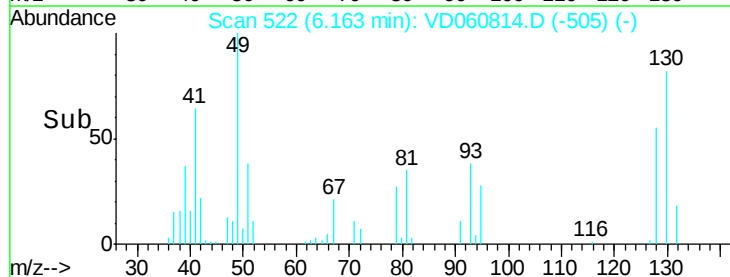
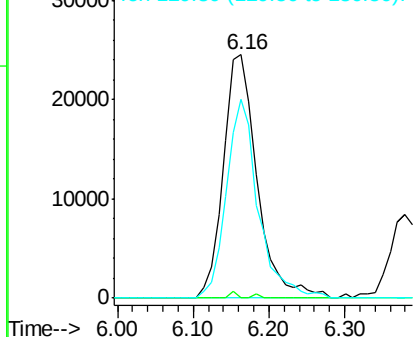
#28

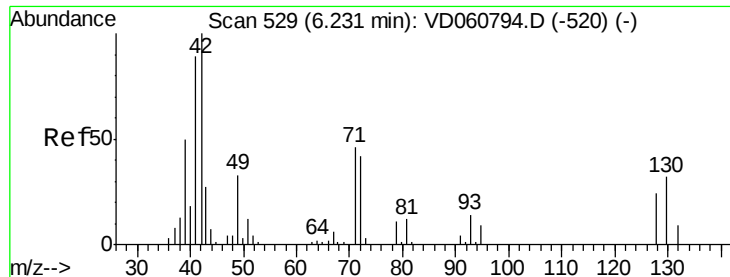
Bromochloromethane
 Concen: 20.242 ug/l
 RT: 6.16 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 49 Resp: 75683
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 81.5 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

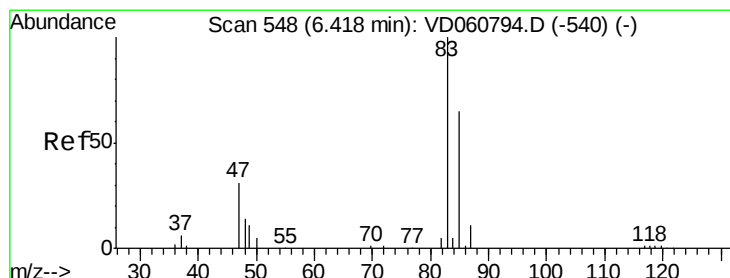
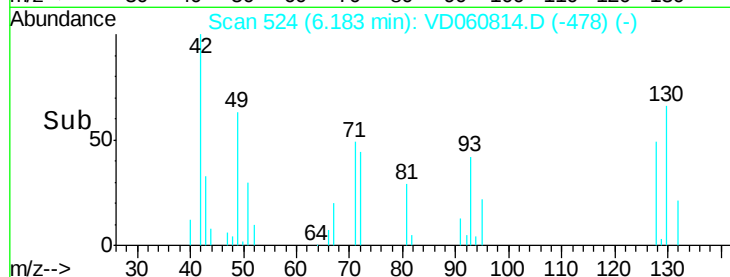
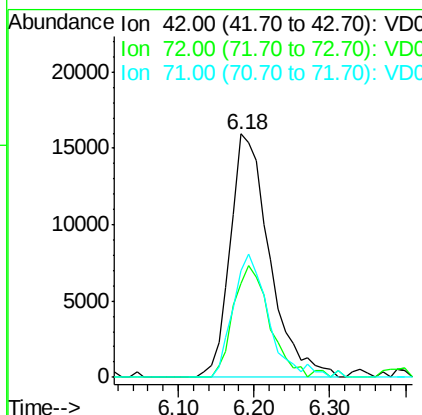
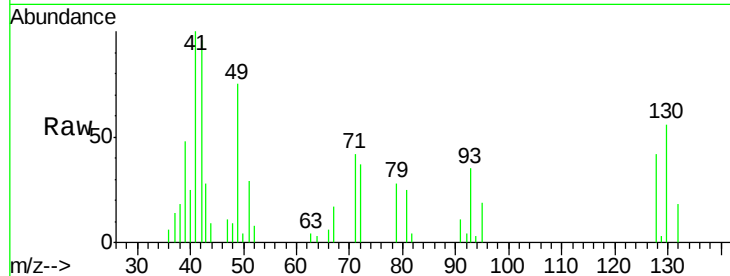




#29
Tetrahydrofuran
Concen: 91.103 ug/l
RT: 6.18 min Scan# 524
Delta R.T. -0.05 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

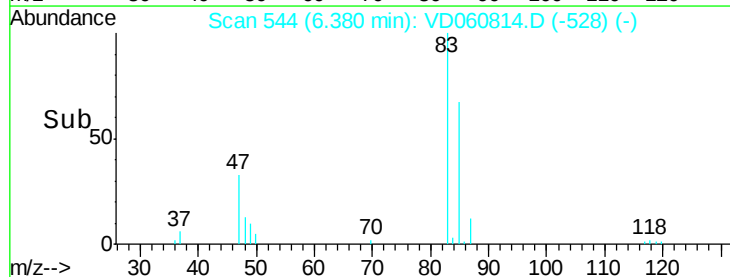
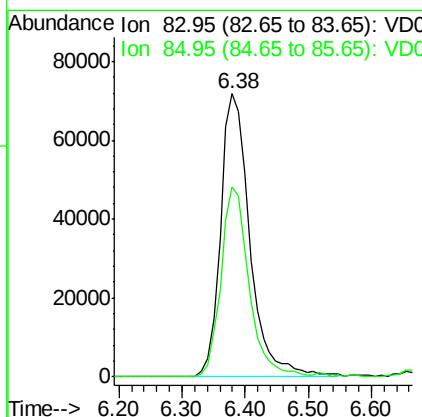
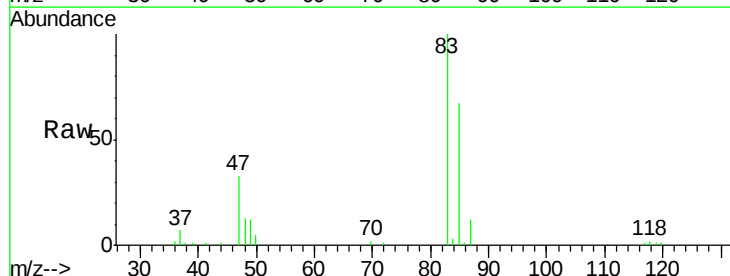
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

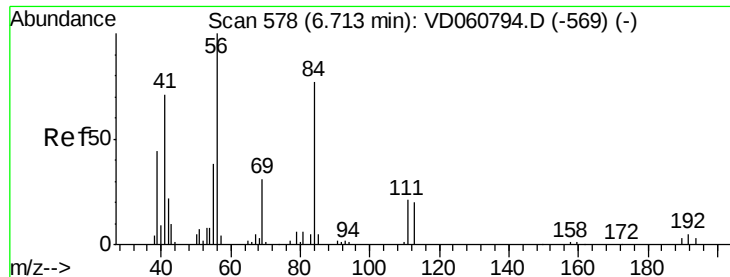
Tot Ion: 42 Resp: 57469
Ion Ratio Lower Upper
42 100
72 41.9 32.8 49.2
71 45.3 34.6 52.0



#30
Chloroform
Concen: 20.484 ug/l
RT: 6.38 min Scan# 544
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 83 Resp: 232049
Ion Ratio Lower Upper
83 100
85 67.0 52.3 78.5

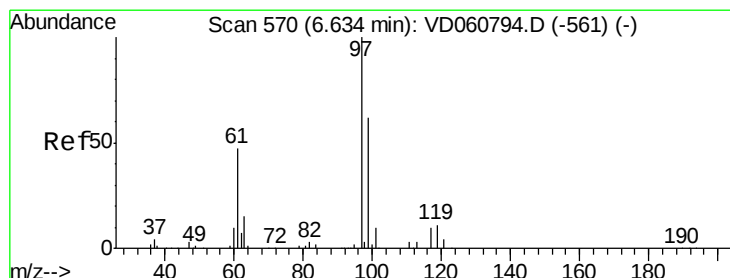
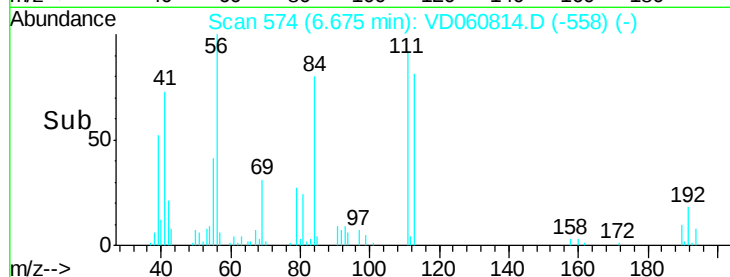
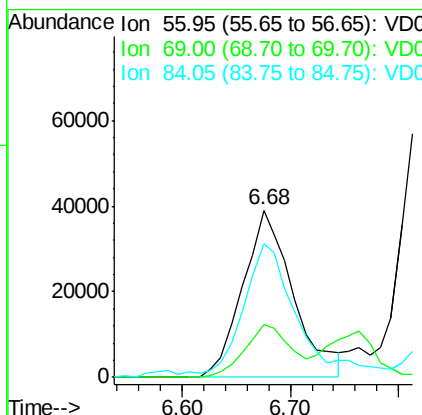
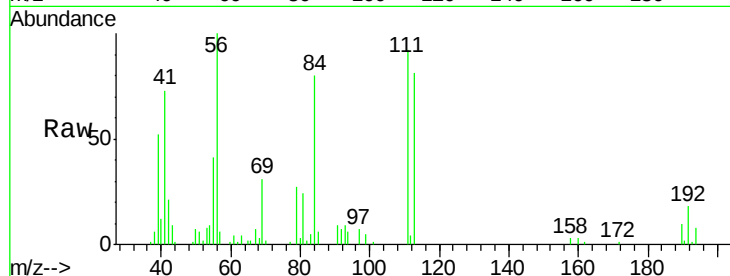




#31
Cyclohexane
Concen: 19.460 ug/l
RT: 6.68 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

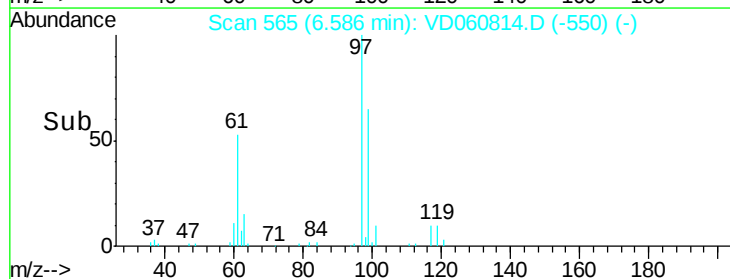
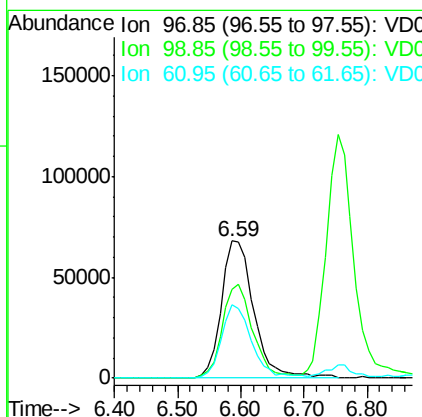
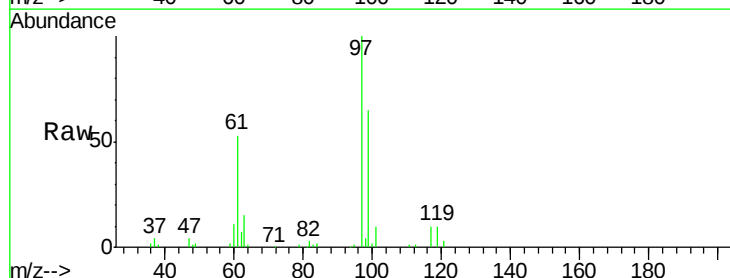
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

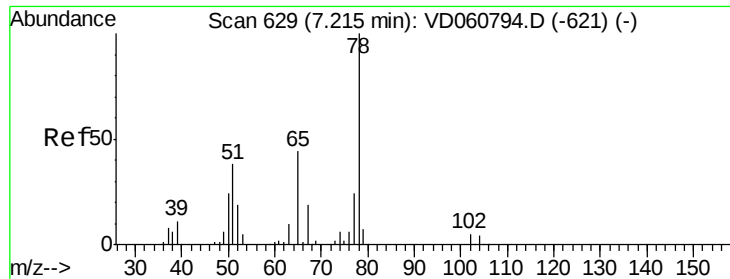
Tot Ion: 56 Resp: 126900
Ion Ratio Lower Upper
56 100
69 31.4 25.1 37.7
84 79.8 63.9 95.9



#32
1,1,1-Trichloroethane
Concen: 22.253 ug/l
RT: 6.59 min Scan# 565
Delta R.T. -0.05 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 97 Resp: 242760
Ion Ratio Lower Upper
97 100
99 65.1 49.6 74.4
61 53.3 37.4 56.2

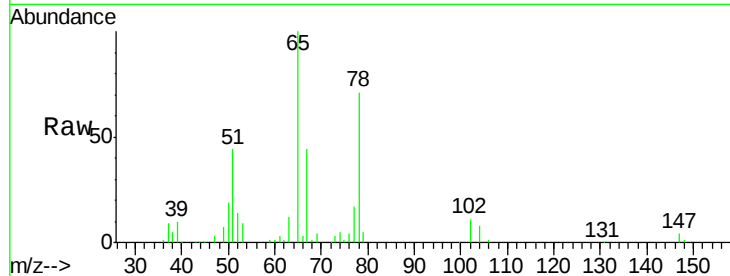




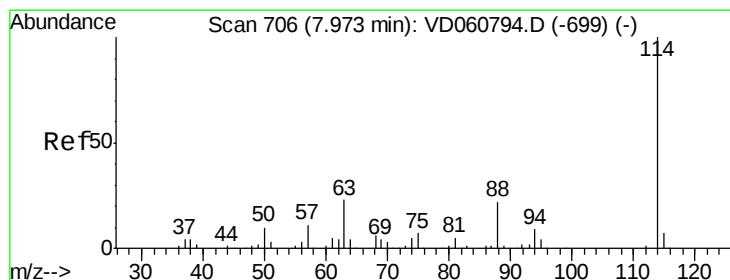
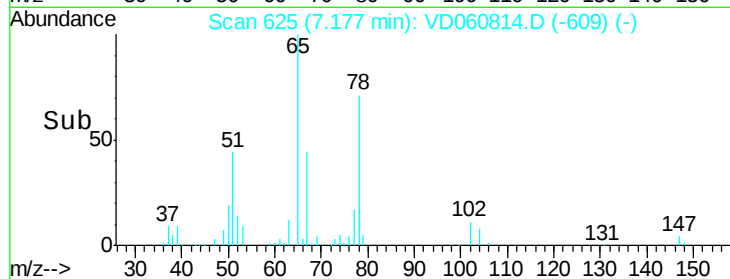
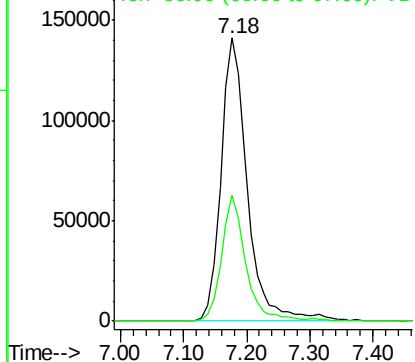
#33
 1,2-Dichloroethane-d4
 Concen: 22.253 ug/l
 RT: 7.18 min Scan# 625
 Delta R.T. -0.04 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion: 65 Resp: 408781
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 85.8

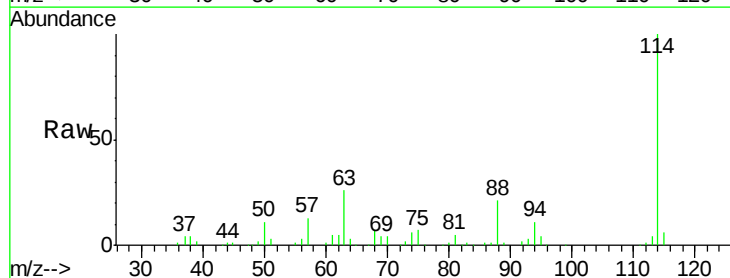


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

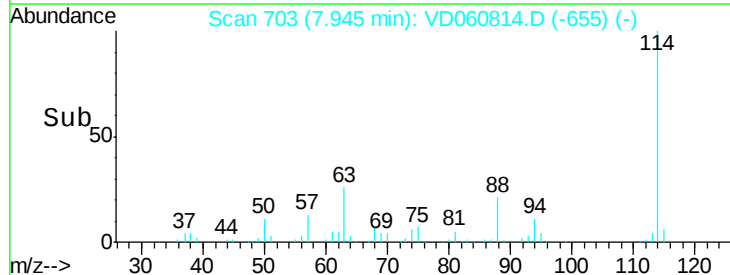
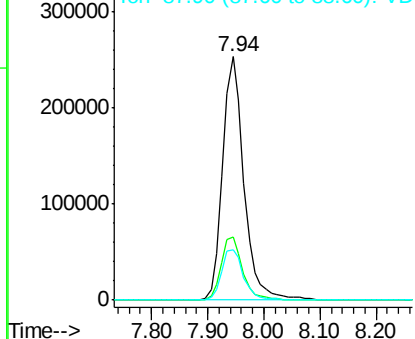


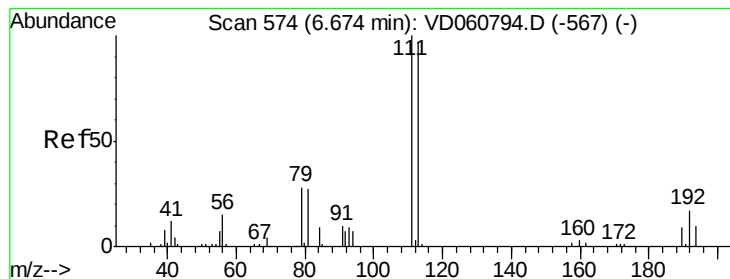
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.94 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 114 Resp: 673522
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 46.6
 88 20.8 0.0 44.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.65 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

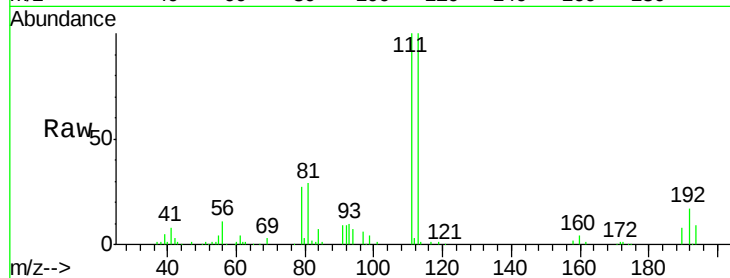
Tot Ion:113 Resp: 337805

Ion Ratio Lower Upper

113 100

111 99.8 82.3 123.5

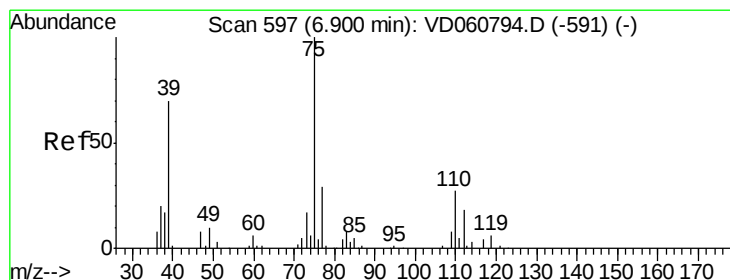
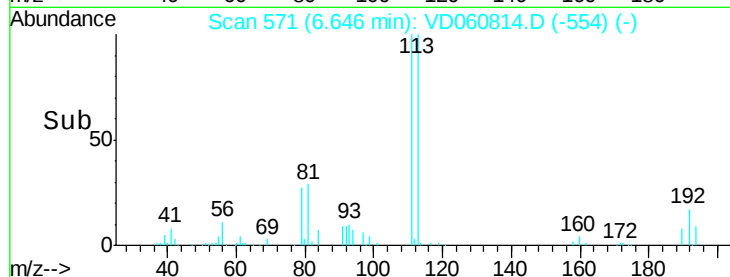
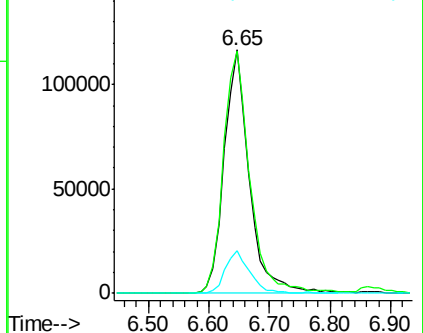
192 17.5 14.4 21.6



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: 20.518 ug/l

RT: 6.87 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

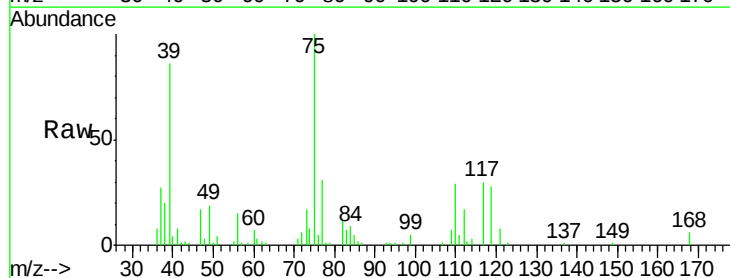
Tgt Ion: 75 Resp: 165000

Ion Ratio Lower Upper

75 100

110 28.7 13.5 40.4

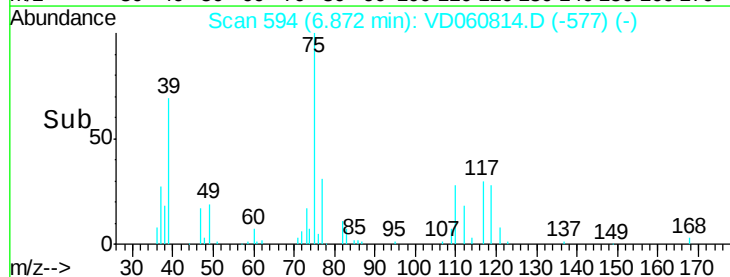
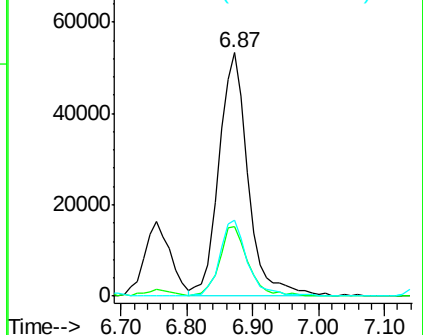
77 31.3 23.4 35.2

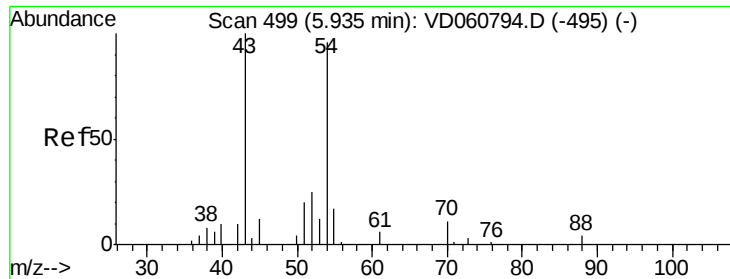


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

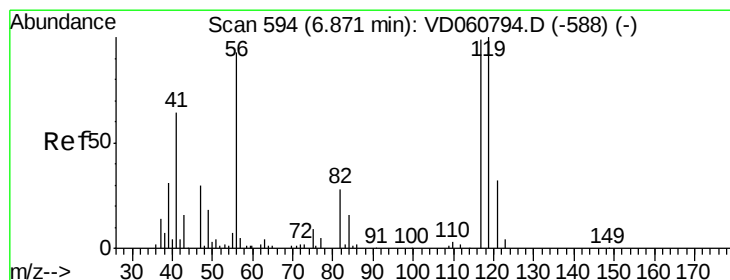
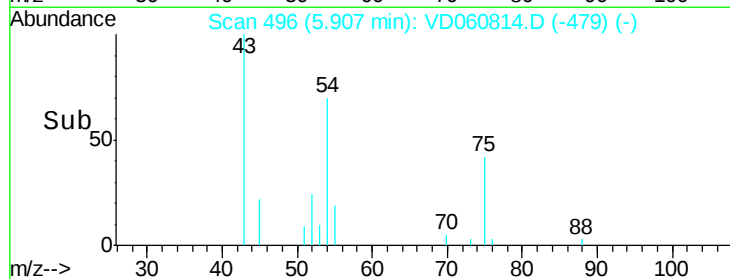
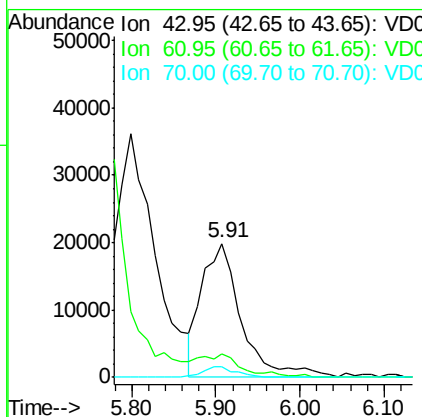
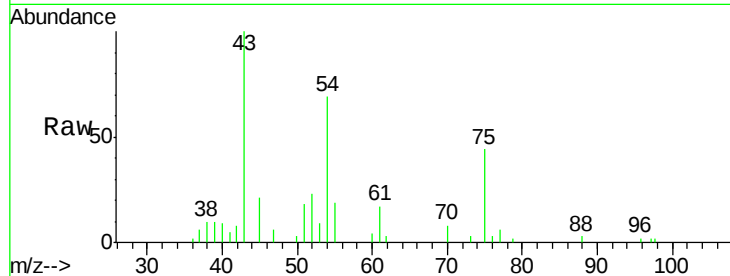




#37
Ethyl Acetate
Concen: 18.015 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

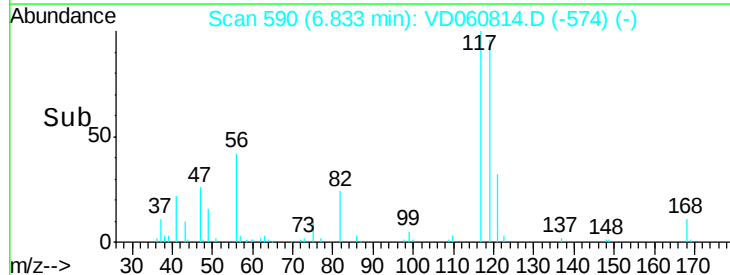
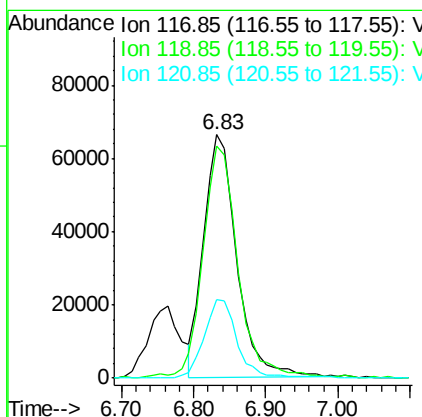
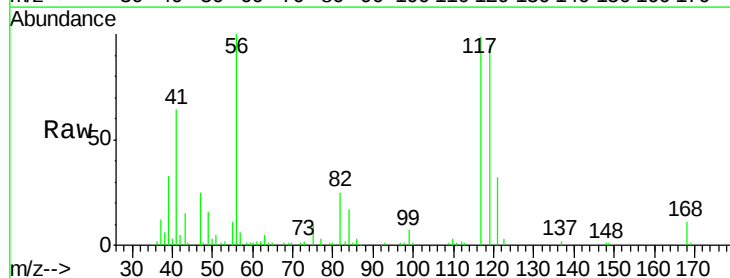
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

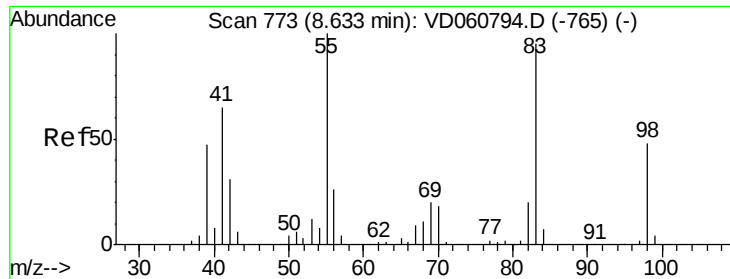
Tot Ion: 43 Resp: 64671
Ion Ratio Lower Upper
43 100
61 17.2 12.3 18.5
70 8.1 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.868 ug/l
RT: 6.83 min Scan# 590
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 117 Resp: 210430
Ion Ratio Lower Upper
117 100
119 95.5 75.6 113.4
121 32.5 23.4 35.2

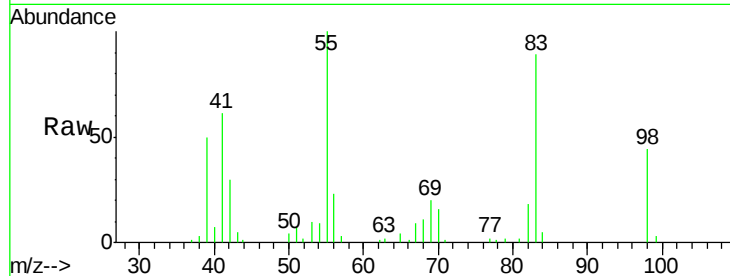




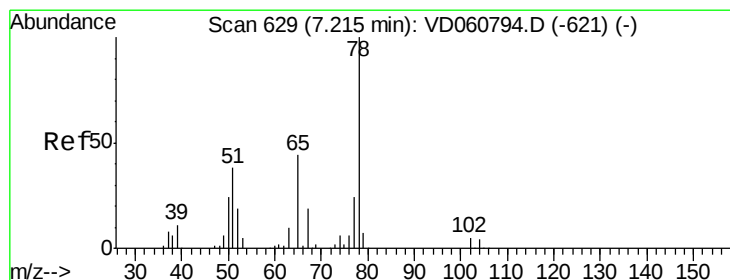
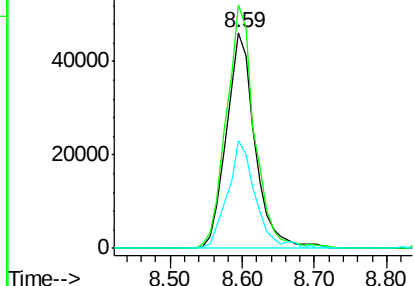
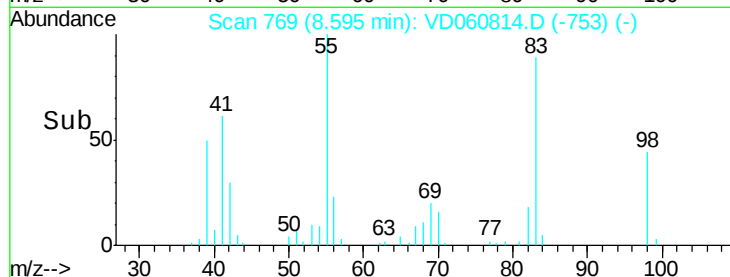
#39
Methvlcvclohexane
Concen: 18.885 ug/l
RT: 8.59 min Scan# 769
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 83 Resp: 127180
Ion Ratio Lower Upper
83 100
55 112.9 83.8 125.8
98 50.1 39.8 59.8

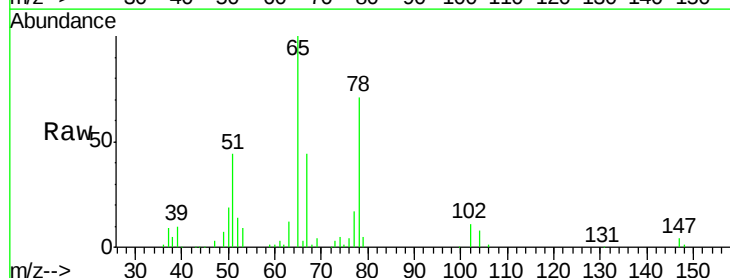


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

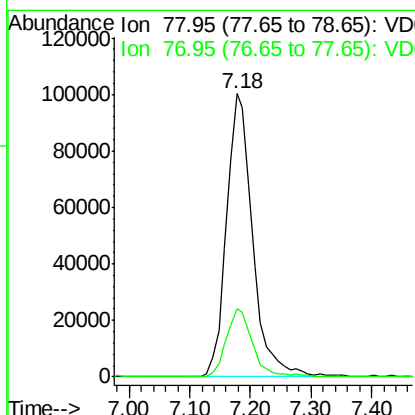
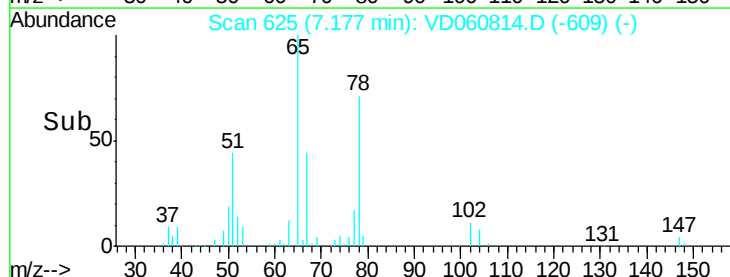


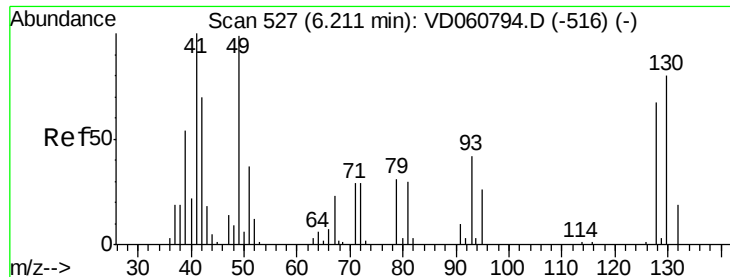
#40
Benzene
Concen: 18.927 ug/l
RT: 7.18 min Scan# 625
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 78 Resp: 300396
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

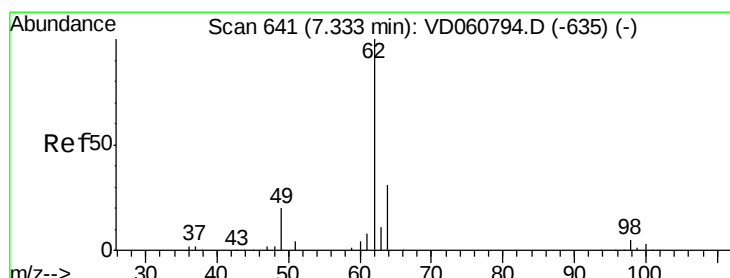
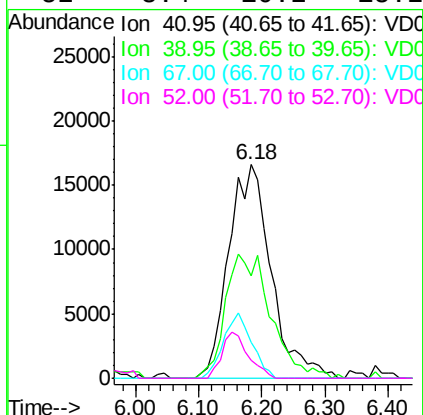
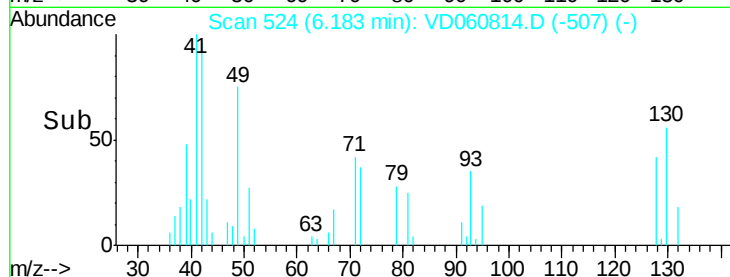
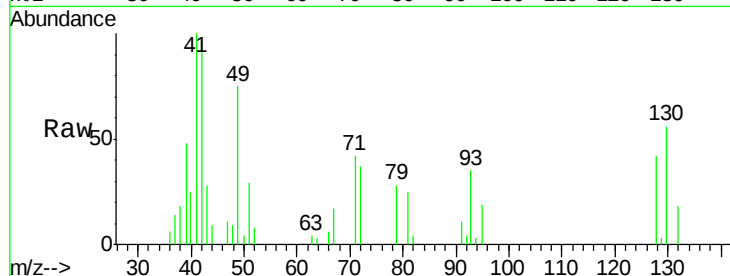




#41
Methacrylonitrile
Concen: 34.015 ug/l
RT: 6.18 min Scan# 524
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

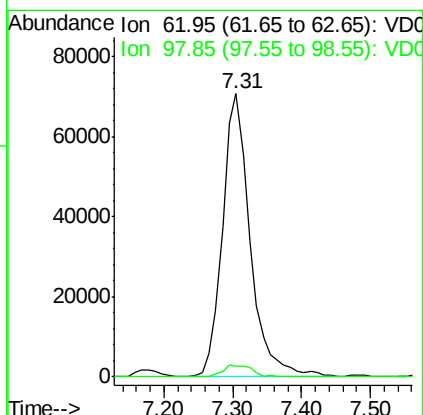
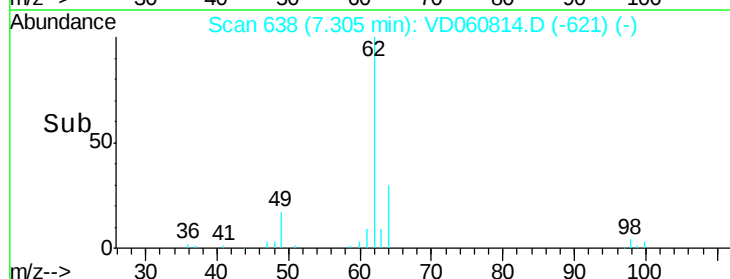
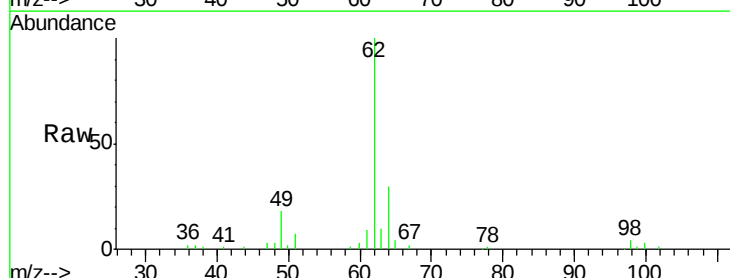
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

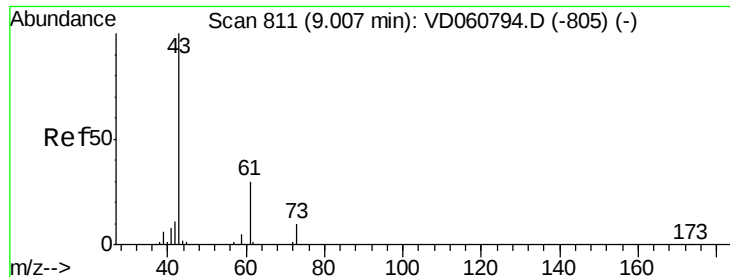
Tot Ion: 41 Resp: 77547
Ion Ratio Lower Upper
41 100
39 48.2 43.6 65.4
67 17.0 18.5 27.7#
52 8.4 10.2 15.2#



#42
1,2-Dichloroethane
Concen: 21.346 ug/l
RT: 7.31 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 62 Resp: 196818
Ion Ratio Lower Upper
62 100
98 3.7 0.0 10.2





#43

Isopropyl Acetate

Concen: 18.291 ug/l

RT: 8.98 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

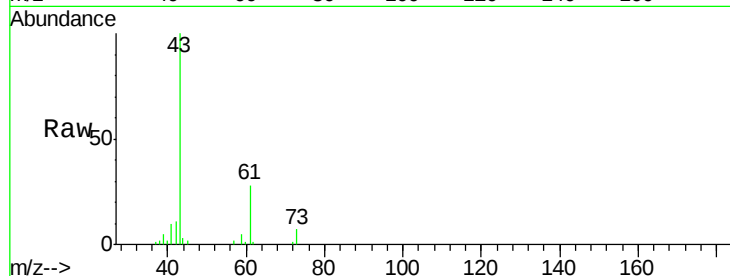
Tot Ion: 43 Resp: 85641

Ion Ratio Lower Upper

43 100

61 27.5 24.1 36.1

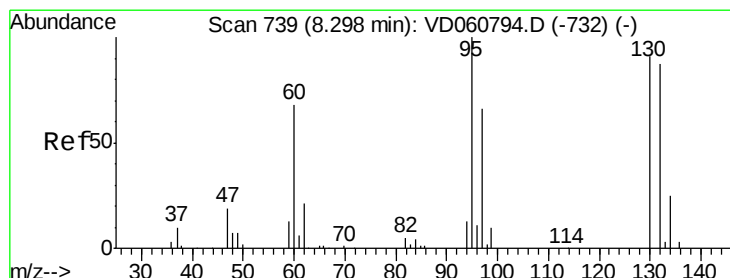
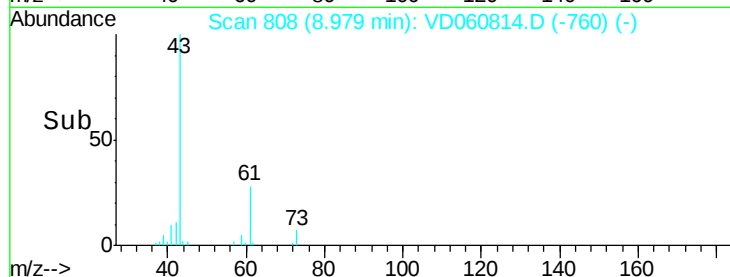
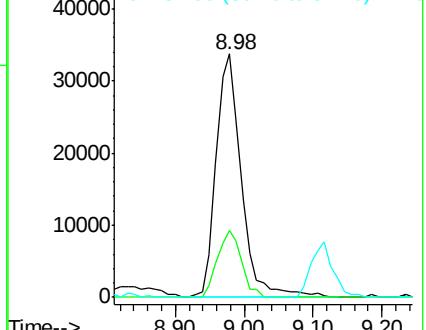
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.923 ug/l

RT: 8.27 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD060814.D

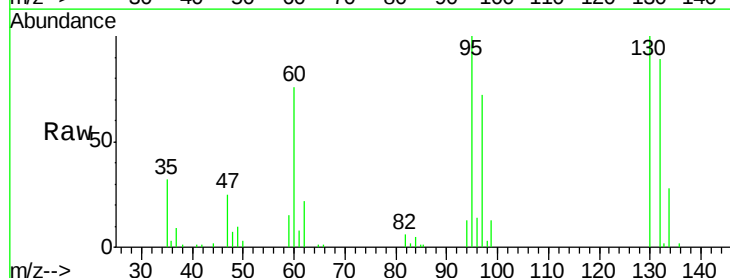
Acq: 1 Feb 2019 12:49

Tgt Ion:130 Resp: 101816

Ion Ratio Lower Upper

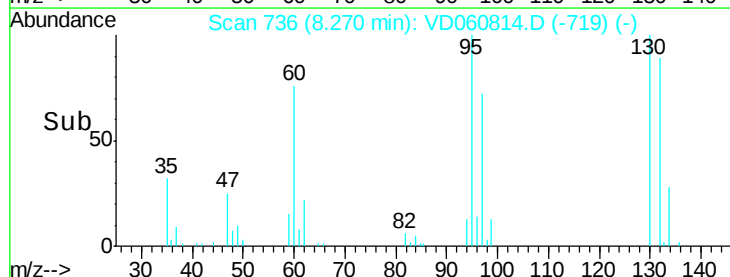
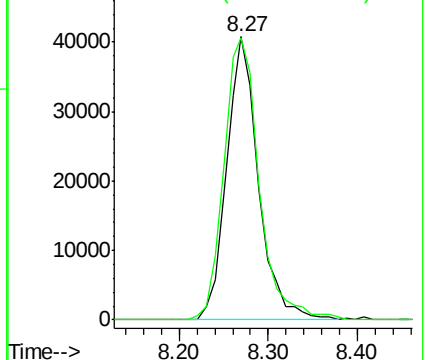
130 100

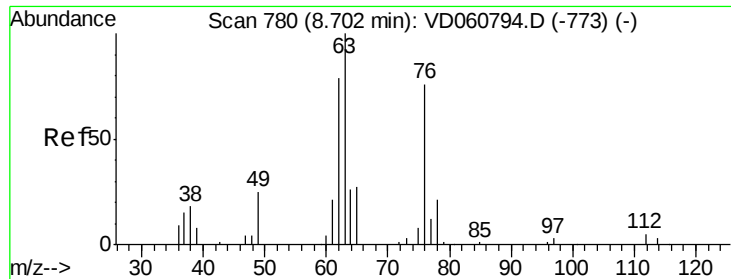
95 99.9 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.353 ug/l

RT: 8.67 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

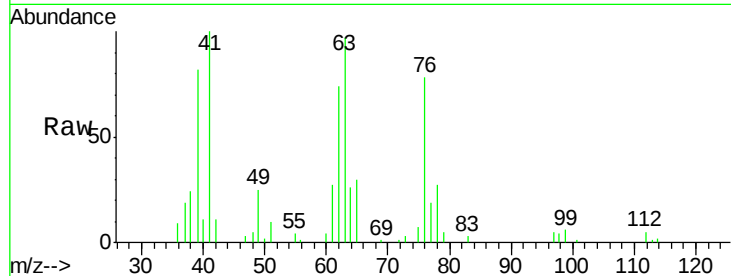
VD0201SBS01

Tot Ion: 63 Resp: 74557

Ion Ratio Lower Upper

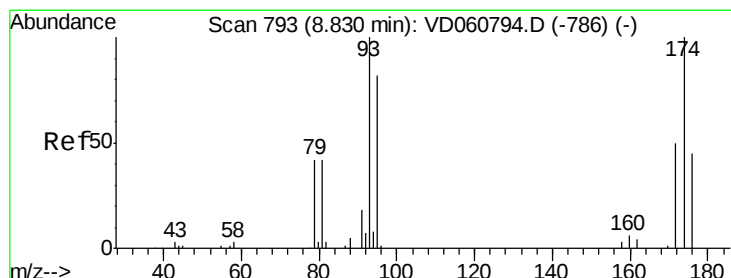
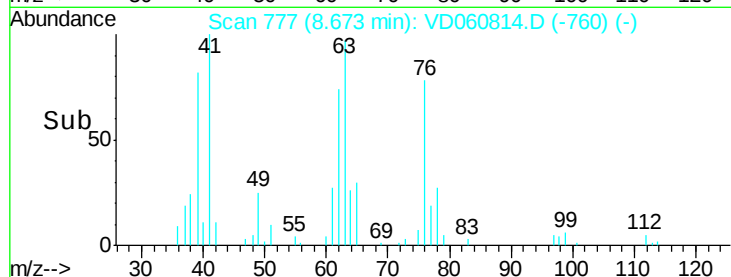
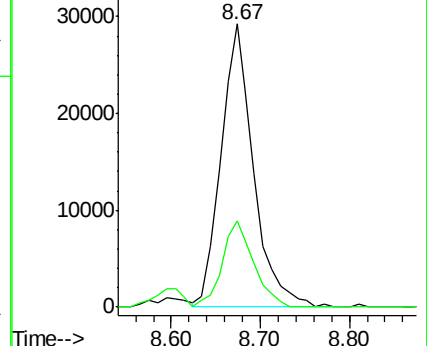
63 100

65 30.7 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: 19.729 ug/l

RT: 8.79 min Scan# 789

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

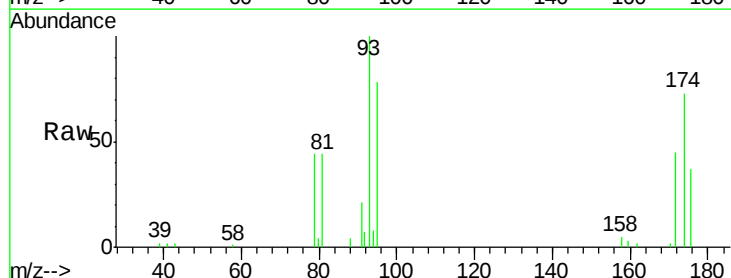
Tgt Ion: 93 Resp: 65802

Ion Ratio Lower Upper

93 100

95 77.7 65.8 98.8

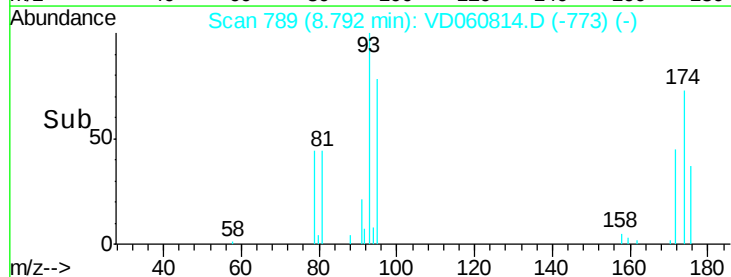
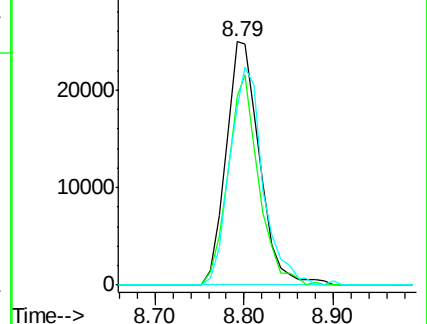
174 73.2 79.8 119.6#

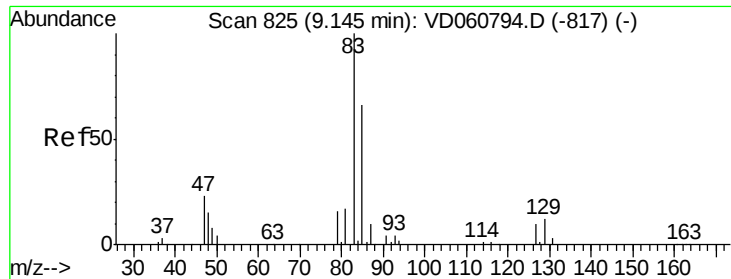


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.016 ug/l

RT: 9.11 min Scan# 821

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

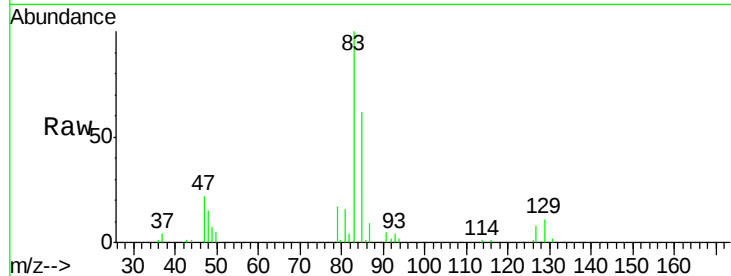
Tot Ion: 83 Resp: 180200

Ion Ratio Lower Upper

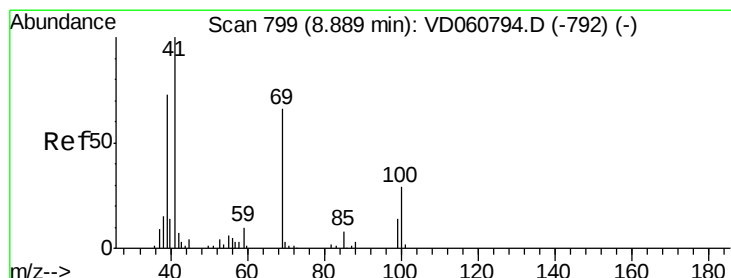
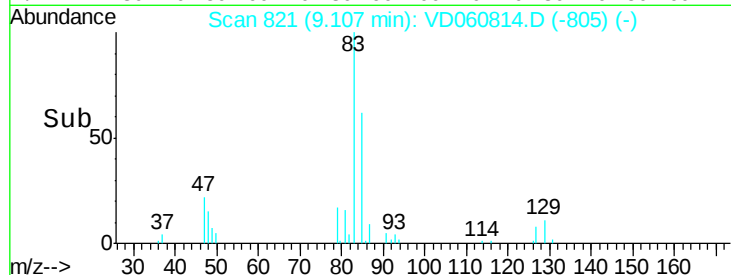
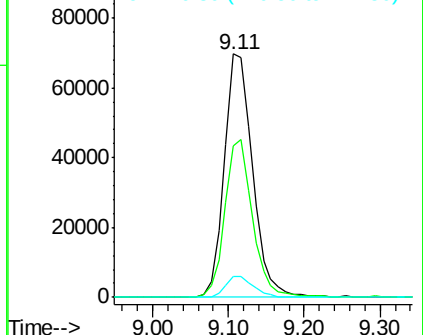
83 100

85 62.2 52.6 79.0

127 8.3 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): V



#48

Methyl methacrylate

Concen: 18.581 ug/l

RT: 8.85 min Scan# 795

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

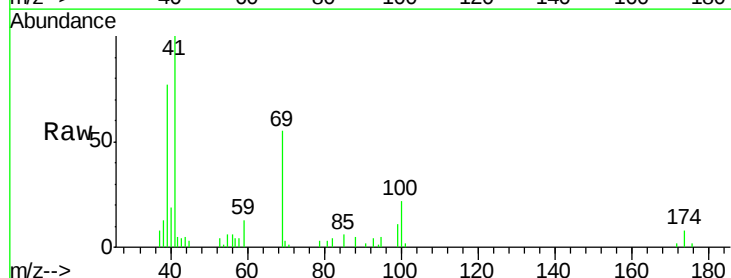
Tgt Ion: 41 Resp: 59992

Ion Ratio Lower Upper

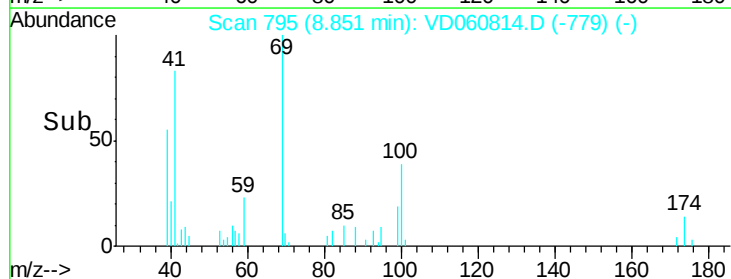
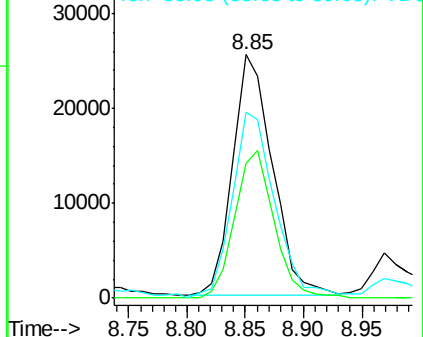
41 100

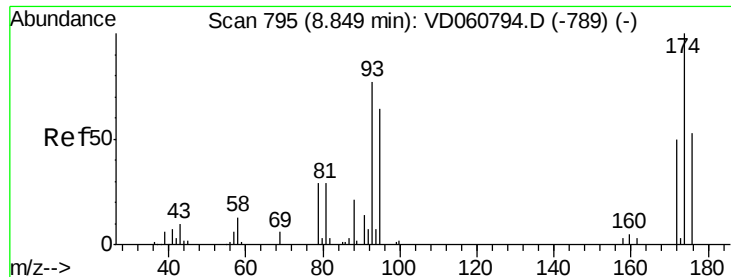
69 55.3 52.5 78.7

39 76.6 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

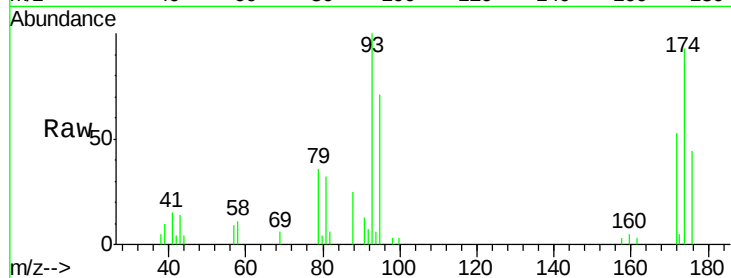




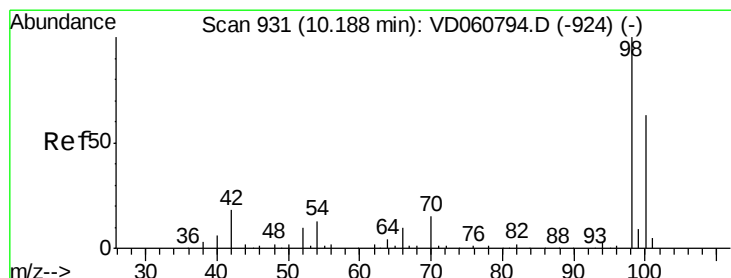
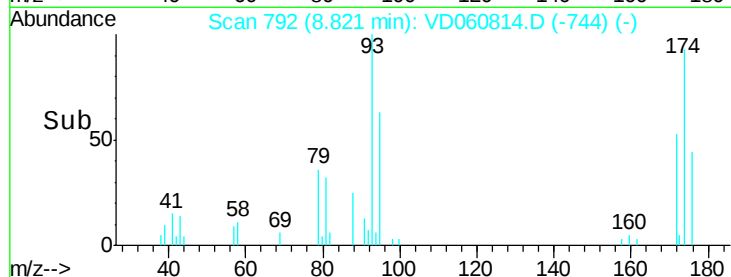
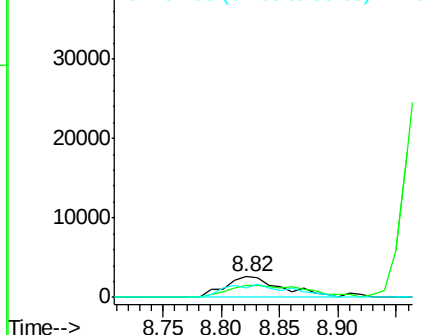
#49
1,4-Dioxane
Concen: 334.023 ug/l
RT: 8.82 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 88 Resp: 8717
Ion Ratio Lower Upper
88 100
43 57.7 40.9 61.3
58 44.4 52.2 78.4#

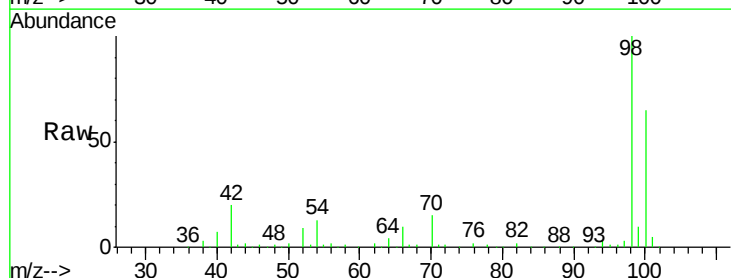


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

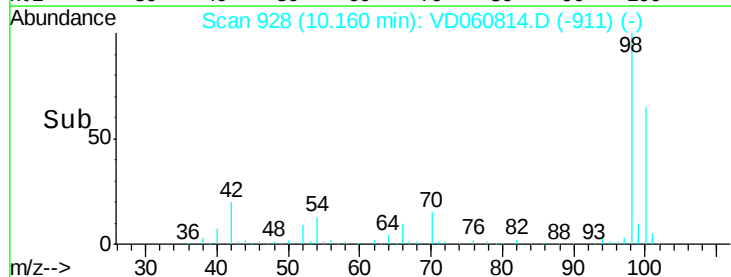
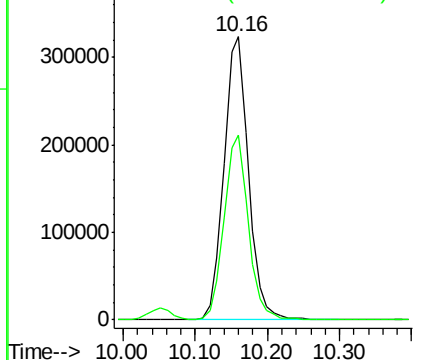


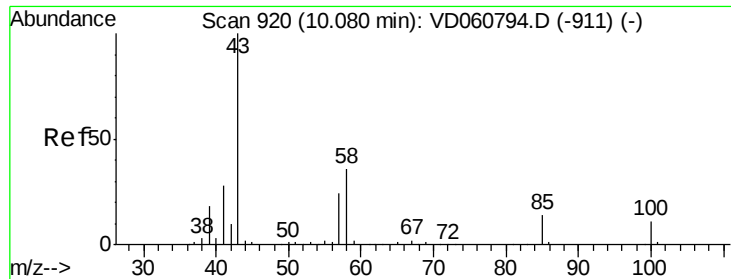
#50
Toluene-d8
Concen: 334.023 ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 98 Resp: 761424
Ion Ratio Lower Upper
98 100
100 65.4 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 92.327 ug/l

RT: 10.05 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

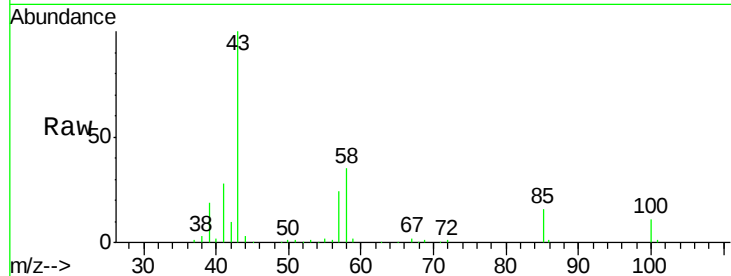
VD0201SBS01

Tot Ion: 43 Resp: 279938

Ion Ratio Lower Upper

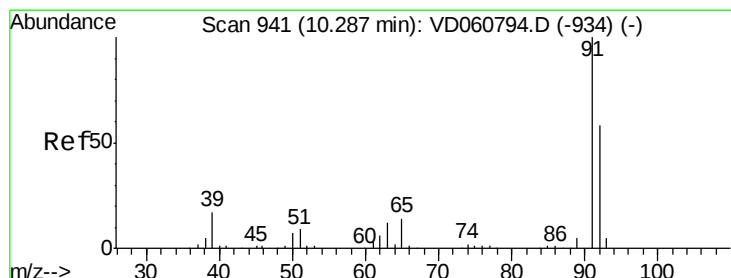
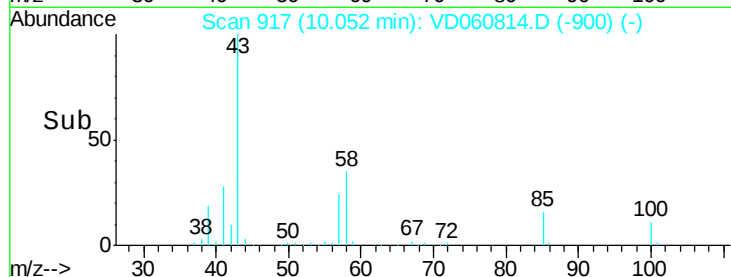
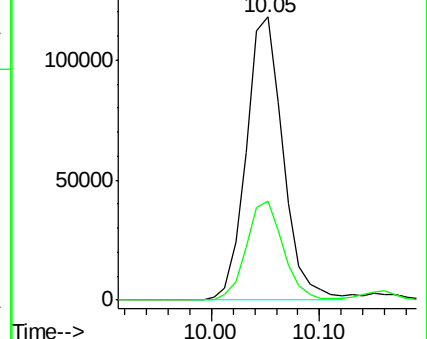
43 100

58 35.1 28.4 42.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.448 ug/l

RT: 10.26 min Scan# 938

Delta R.T. -0.03 min

Lab File: VD060814.D

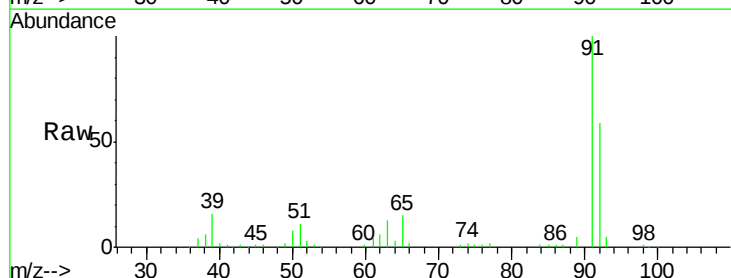
Acq: 1 Feb 2019 12:49

Tgt Ion: 92 Resp: 185732

Ion Ratio Lower Upper

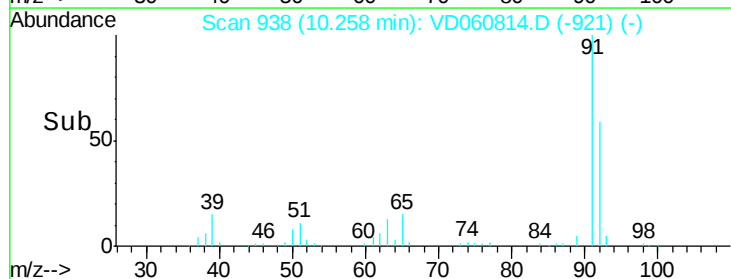
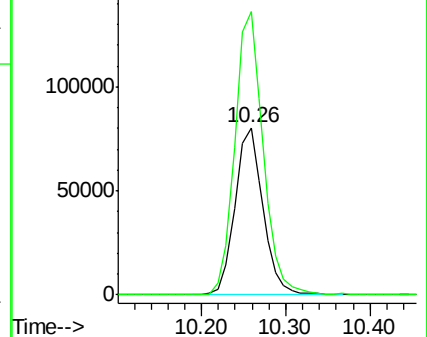
92 100

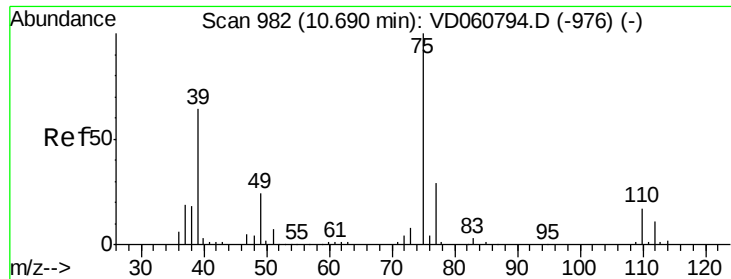
91 169.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

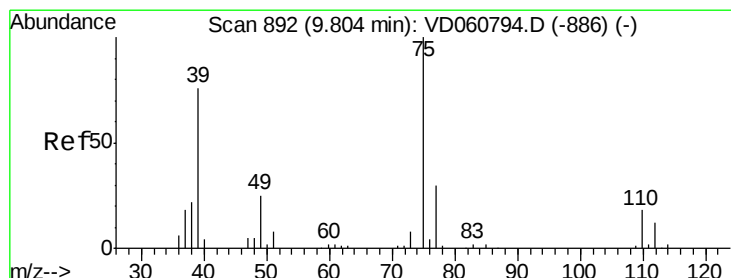
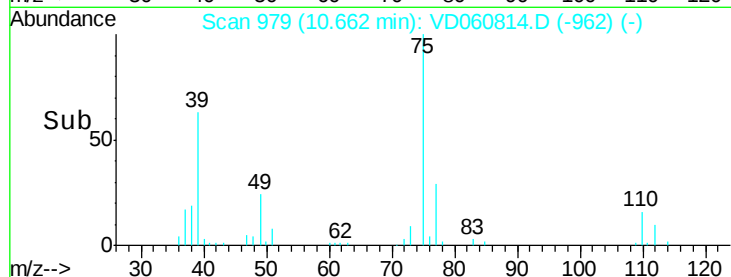
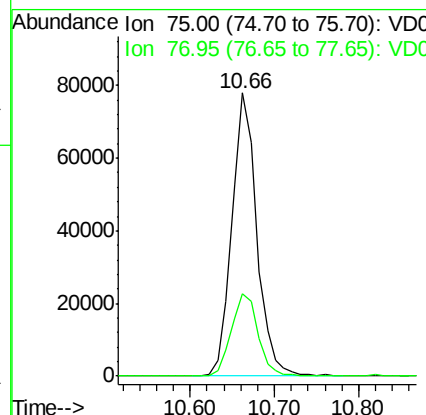
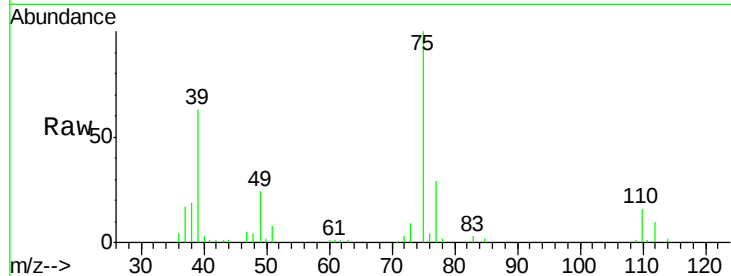




#53
 t-1,3-Dichloropropene
 Concen: 20.139 ug/l
 RT: 10.66 min Scan# 979
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

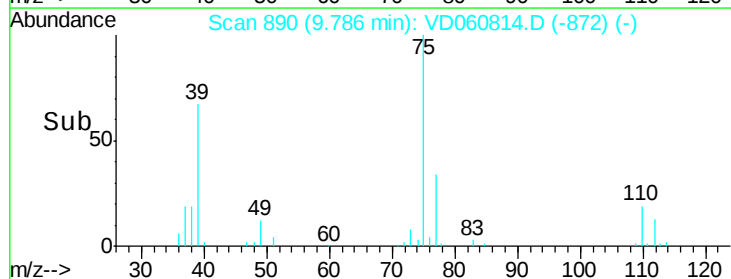
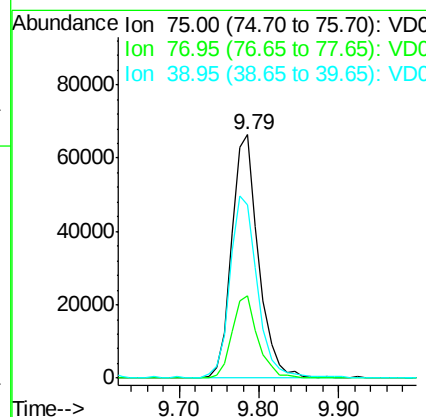
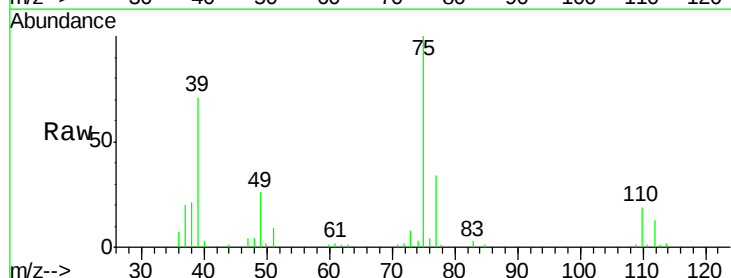
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

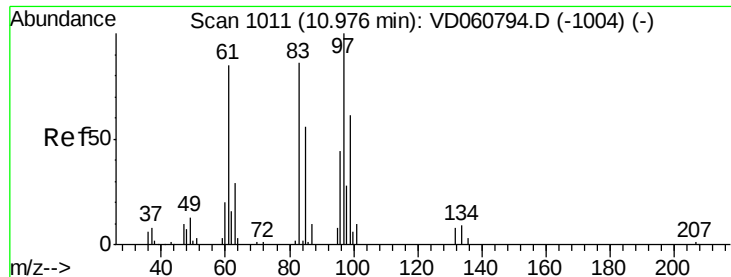
Tot Ion: 75 Resp: 159476
 Ion Ratio Lower Upper
 75 100
 77 29.3 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 19.208 ug/l
 RT: 9.79 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 75 Resp: 155977
 Ion Ratio Lower Upper
 75 100
 77 34.0 23.9 35.9
 39 71.1 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 17.611 ug/l

RT: 10.95 min Scan# 1008

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 97 Resp: 60452

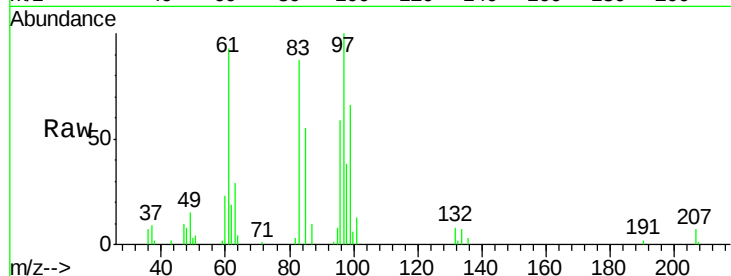
Ion Ratio Lower Upper

97 100

83 86.6 68.5 102.7

85 54.9 45.0 67.6

99 66.4 49.0 73.4

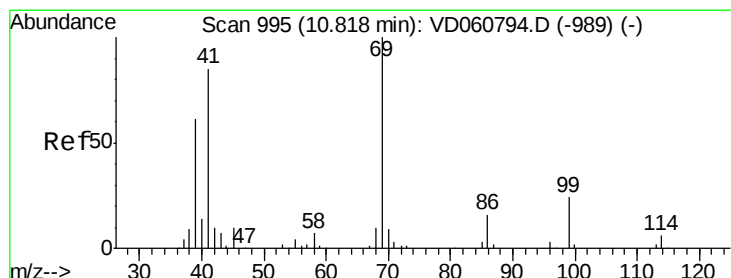
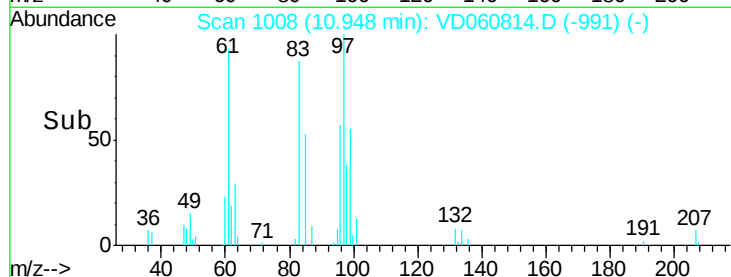
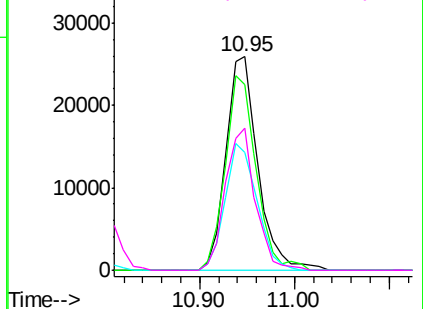


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 18.388 ug/l

RT: 10.79 min Scan# 992

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

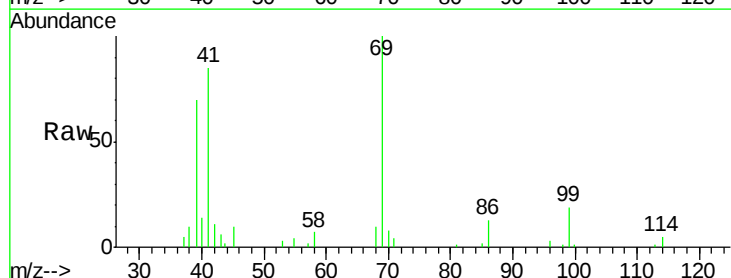
Tgt Ion: 69 Resp: 76462

Ion Ratio Lower Upper

69 100

41 84.6 68.2 102.2

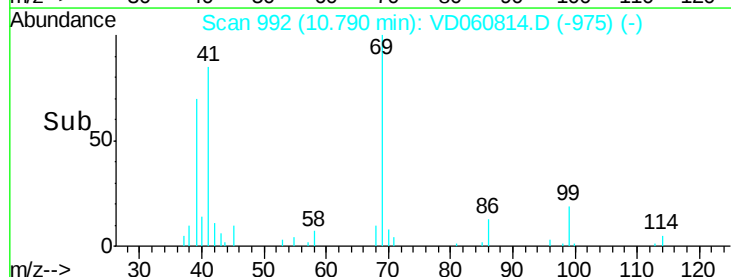
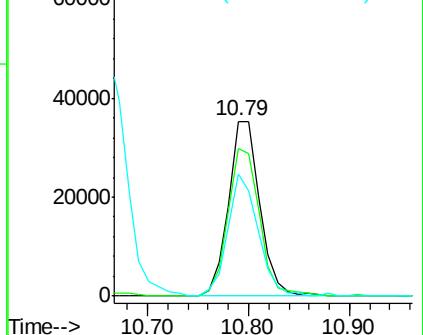
39 69.5 49.4 74.0

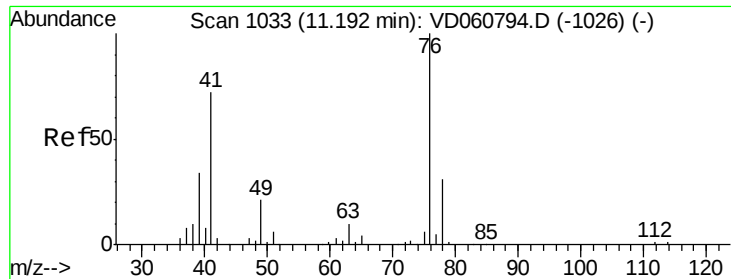


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

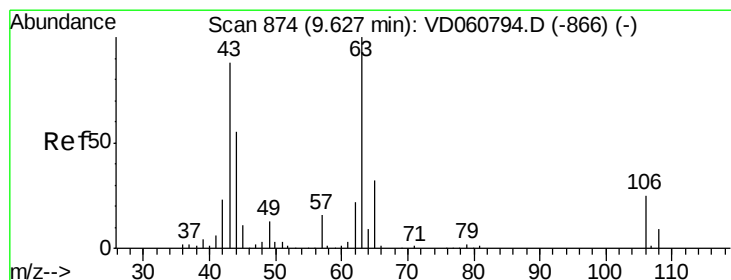
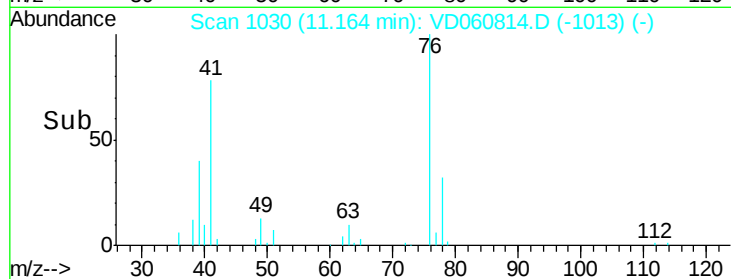
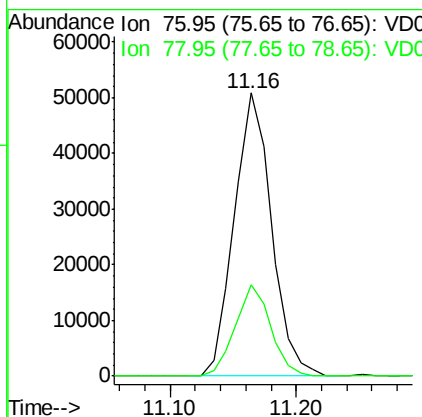
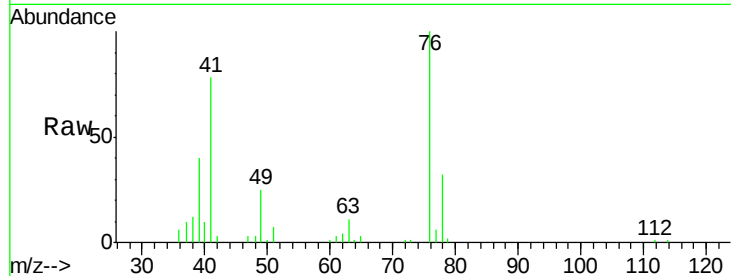




#57
 1,3-Dichloropropane
 Concen: 17.739 ug/l
 RT: 11.16 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

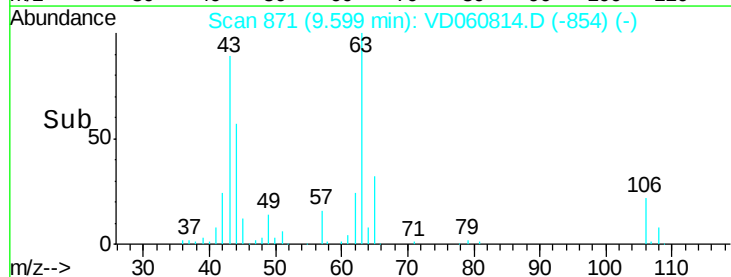
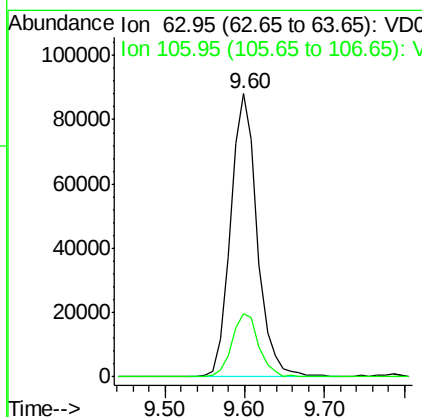
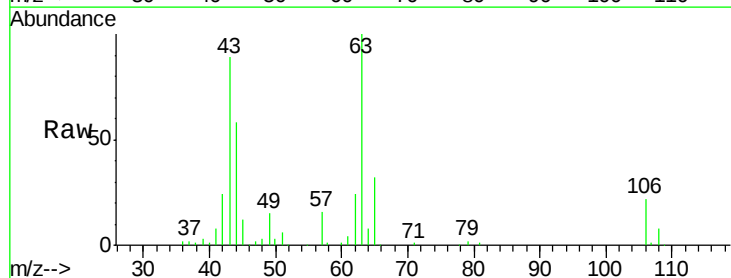
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

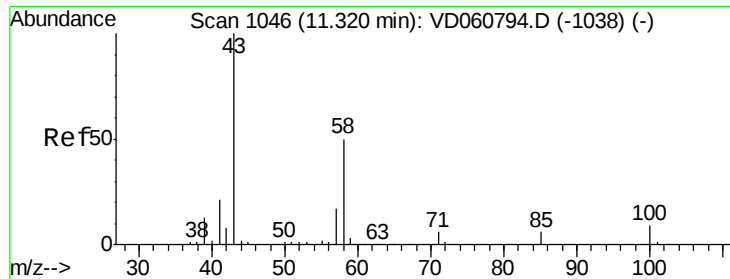
Tot Ion: 76 Resp: 104066
 Ion Ratio Lower Upper
 76 100
 78 32.4 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.148 ug/l
 RT: 9.60 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 63 Resp: 205407
 Ion Ratio Lower Upper
 63 100
 106 22.4 19.9 29.9

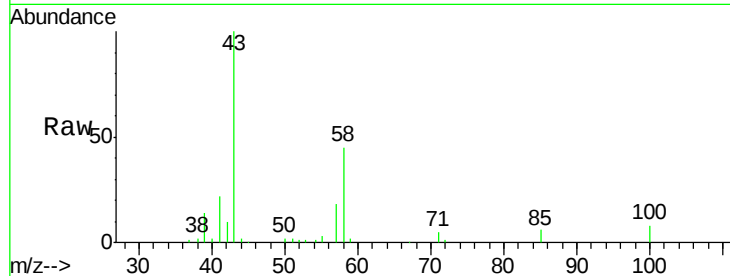




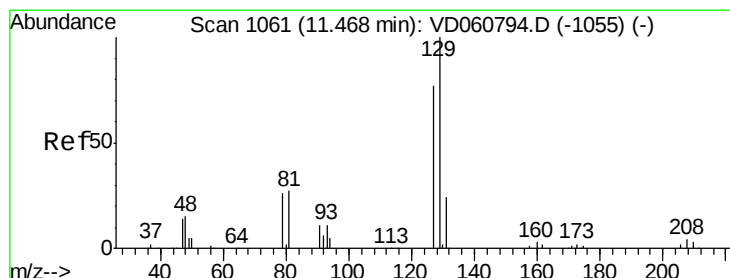
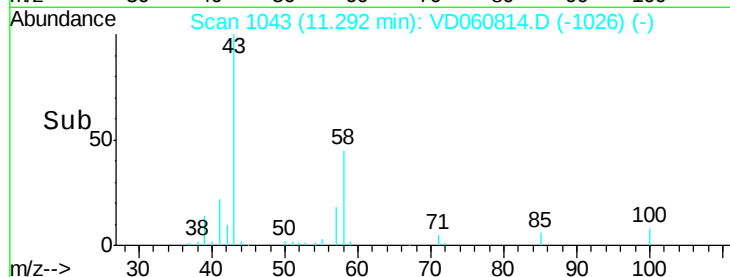
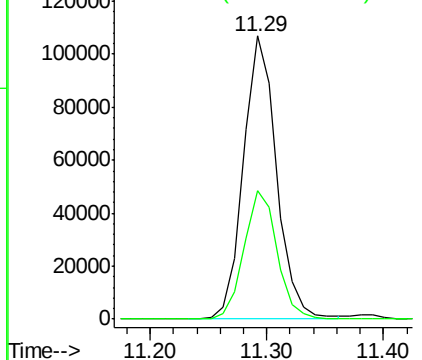
#59
2-Hexanone
Concen: 92.279 ug/l
RT: 11.29 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 43 Resp: 210375
Ion Ratio Lower Upper
43 100
58 45.2 25.0 75.0

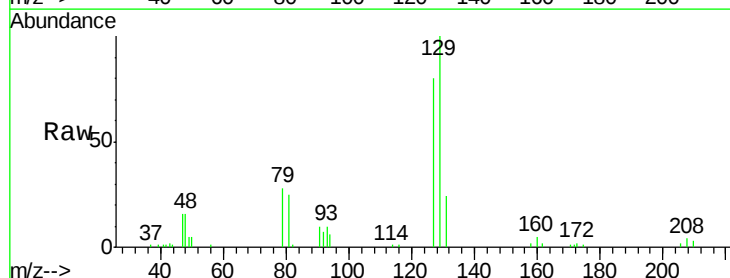


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

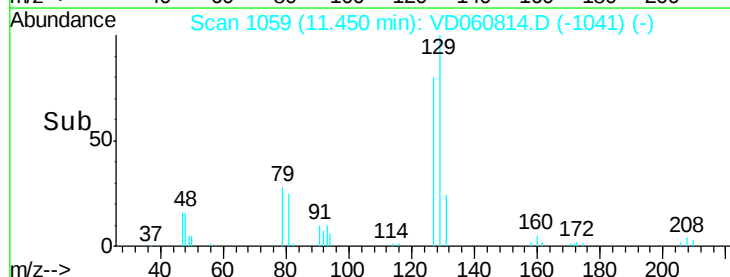
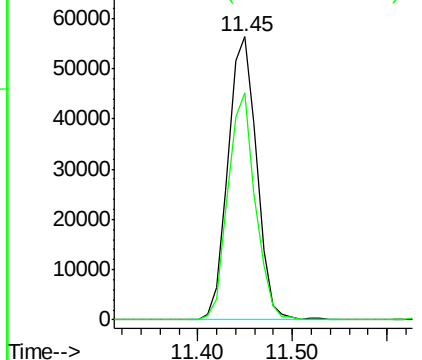


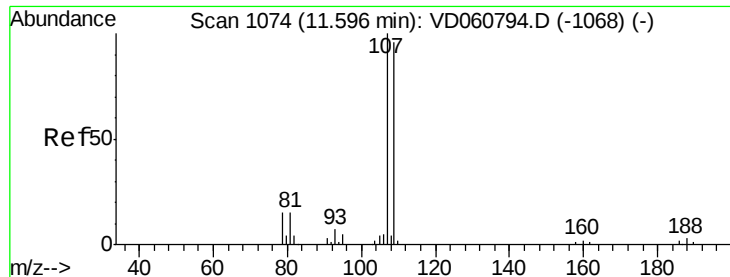
#60
Dibromochloromethane
Concen: 19.099 ug/l
RT: 11.45 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:129 Resp: 117861
Ion Ratio Lower Upper
129 100
127 80.3 38.6 115.7



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

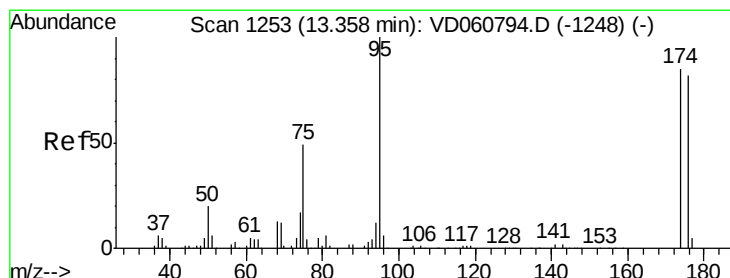
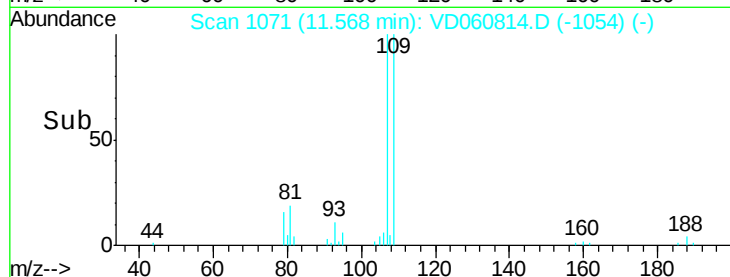
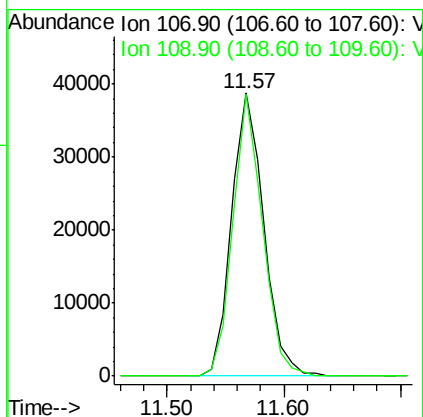
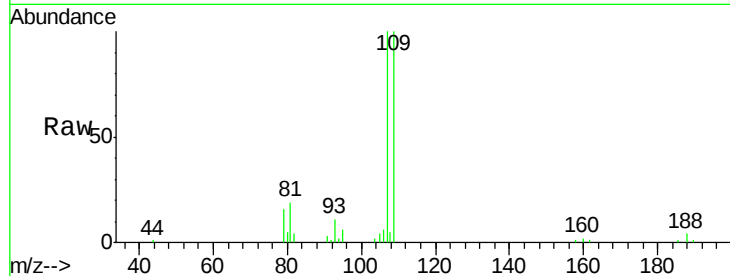




#61
1,2-Dibromoethane
Concen: 18.325 ug/l
RT: 11.57 min Scan# 1071
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

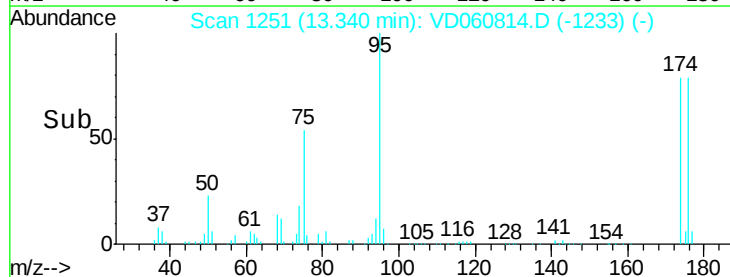
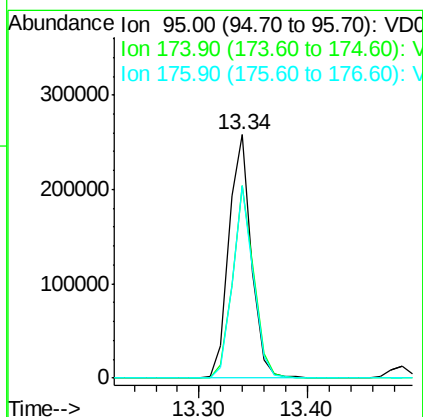
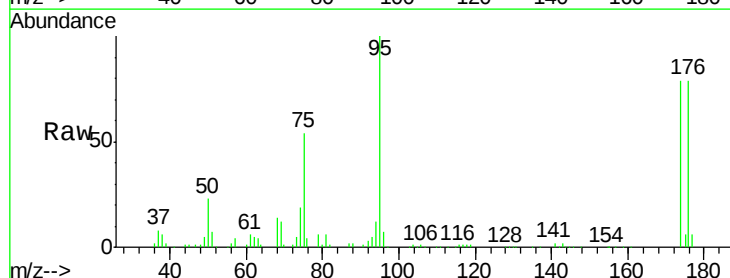
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

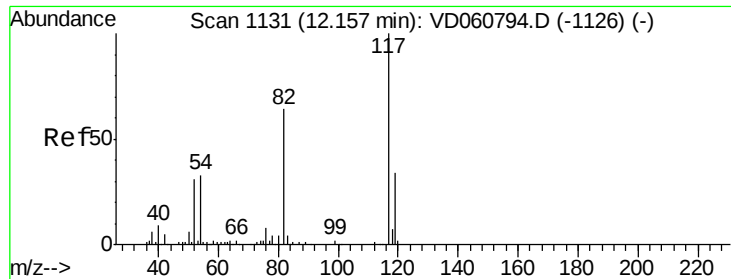
Tot Ion:107 Resp: 74077
Ion Ratio Lower Upper
107 100
109 99.8 76.6 114.8



#62
4-Bromofluorobenzene
Concen: 18.325 ug/l
RT: 13.34 min Scan# 1251
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 95 Resp: 370596
Ion Ratio Lower Upper
95 100
174 79.2 0.0 169.6
176 79.2 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: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

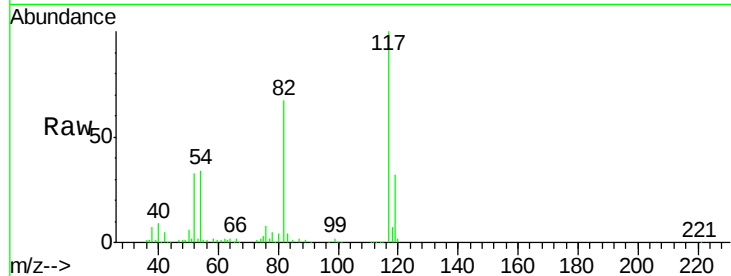
Tot Ion:117 Resp: 545712

Ion Ratio Lower Upper

117 100

82 66.5 51.5 77.3

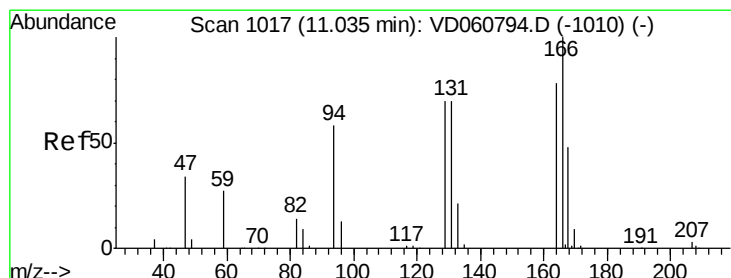
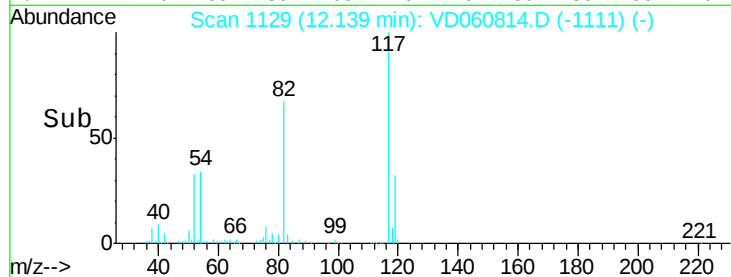
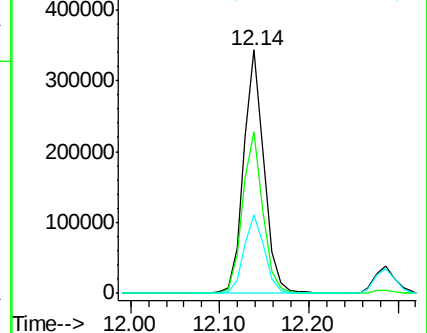
119 32.5 27.1 40.7



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 17.885 ug/l

RT: 11.01 min Scan# 1014

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion:164 Resp: 89573

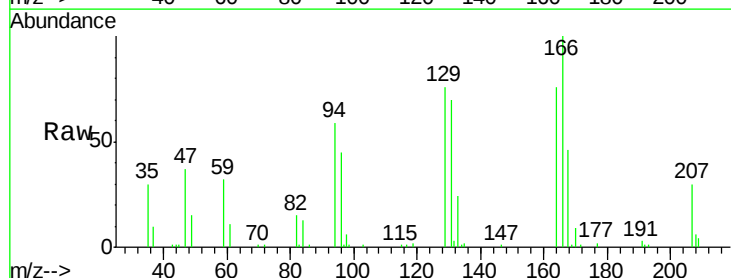
Ion Ratio Lower Upper

164 100

166 131.6 102.6 154.0

129 100.6 72.3 108.5

131 91.6 72.1 108.1

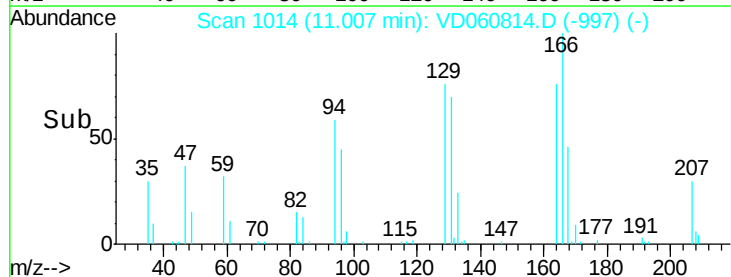
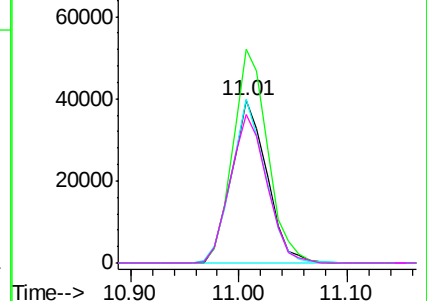


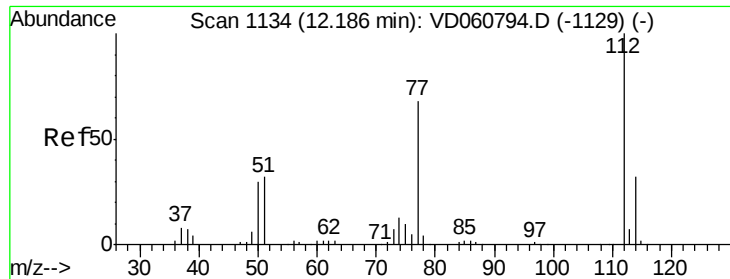
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

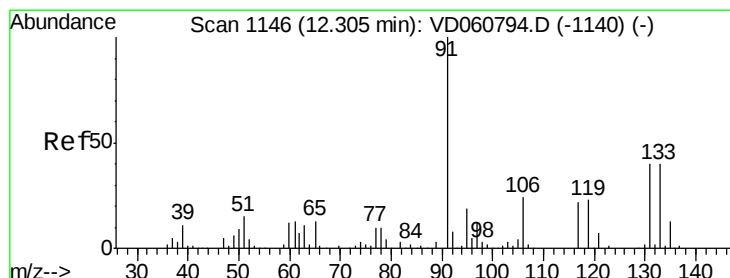
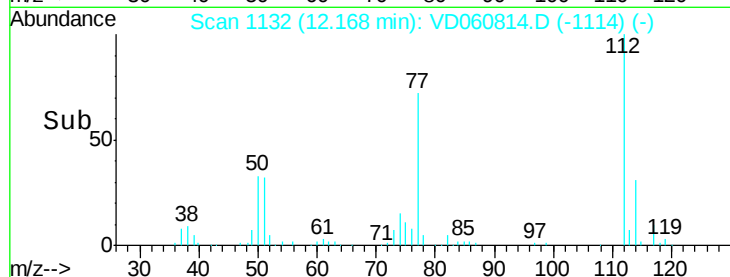
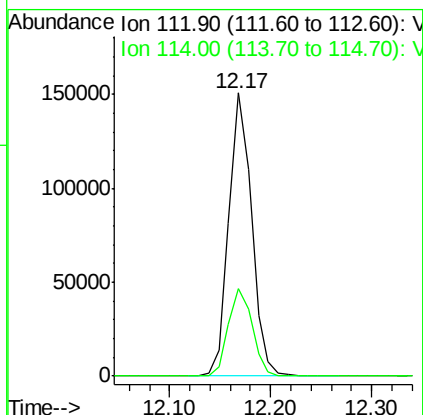
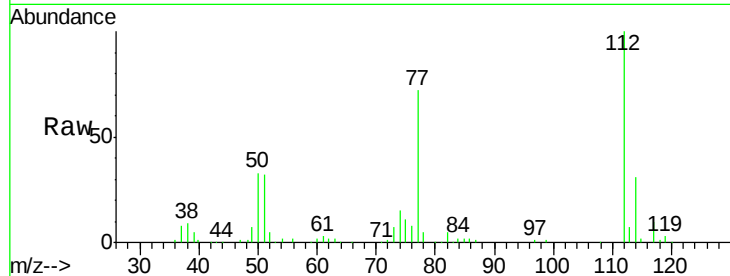




#65
Chlorobenzene
Concen: 19.039 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

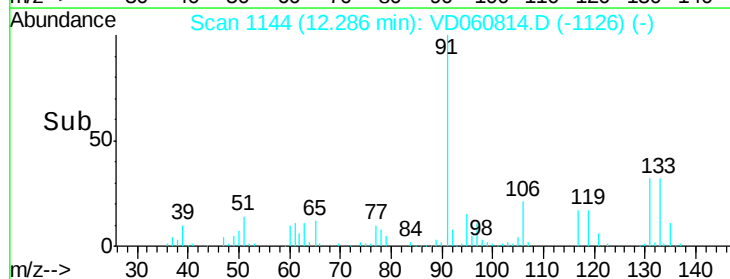
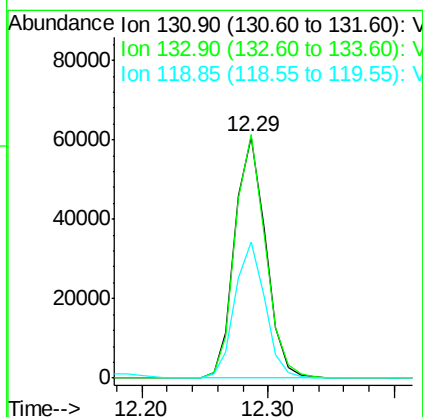
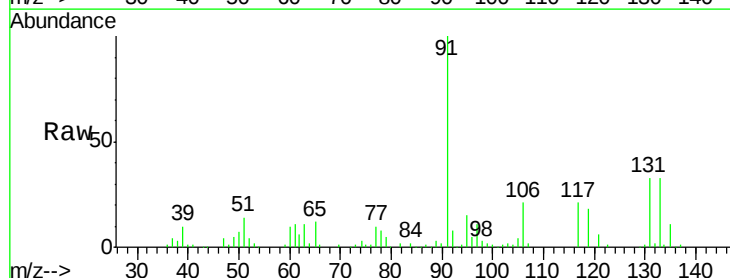
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

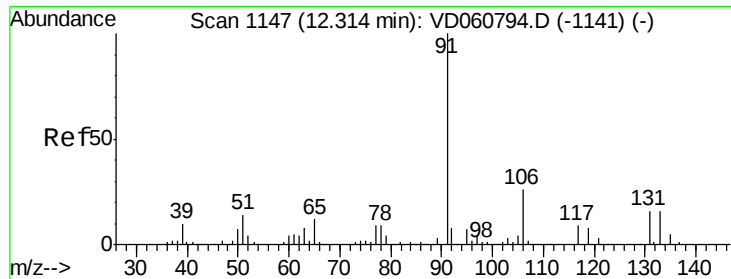
Tot Ion:112 Resp: 237427
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.187 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:131 Resp: 102802
Ion Ratio Lower Upper
131 100
133 100.8 49.9 149.7
119 56.3 28.5 85.5

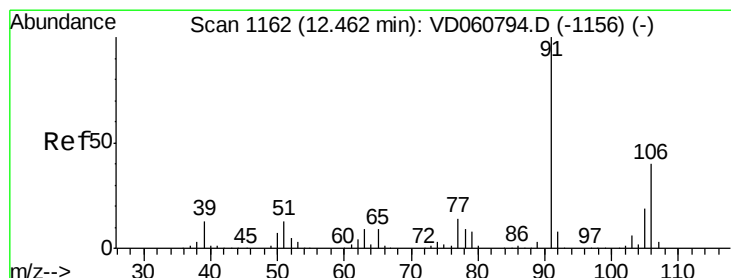
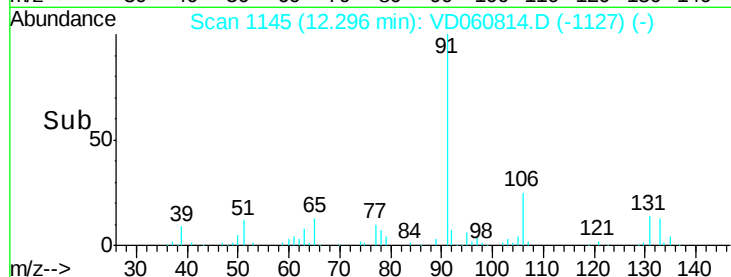
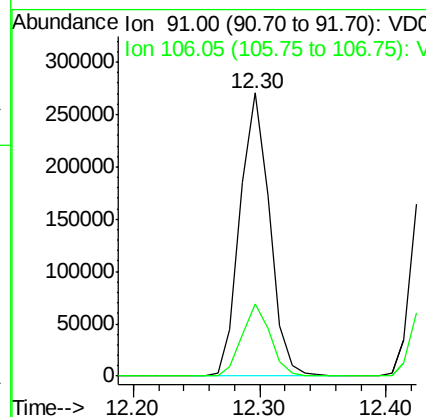
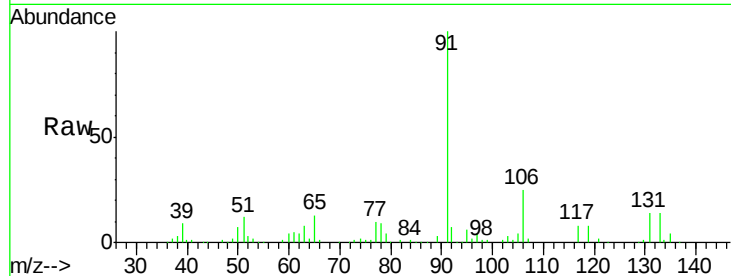




#67
Ethyl Benzene
Concen: 19.516 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

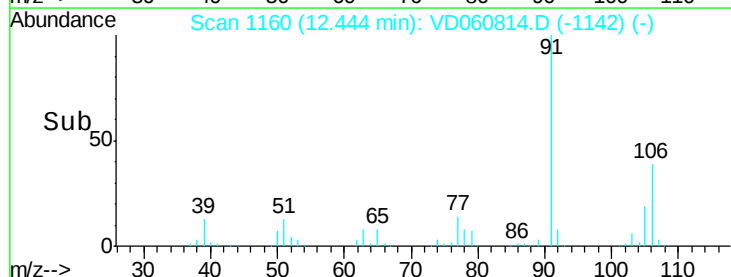
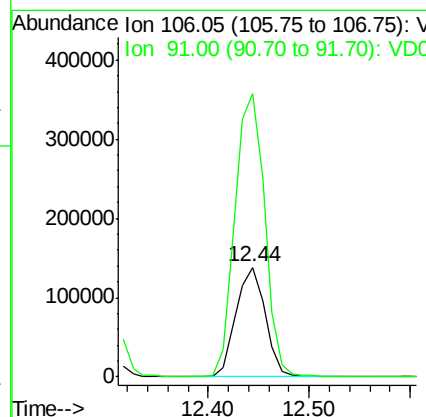
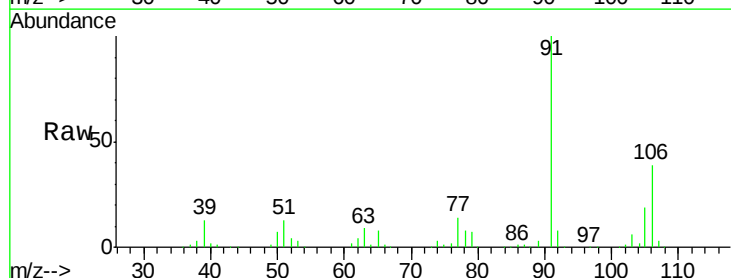
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

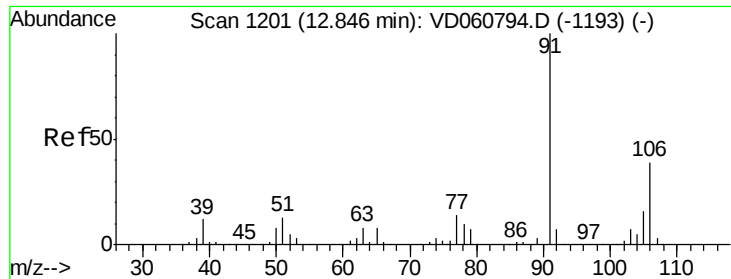
Tot Ion: 91 Resp: 437633
Ion Ratio Lower Upper
91 100
106 25.3 21.0 31.6



#68
m/p-Xylenes
Concen: 38.107 ug/l
RT: 12.44 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 106 Resp: 278023
Ion Ratio Lower Upper
106 100
91 258.7 200.5 300.7

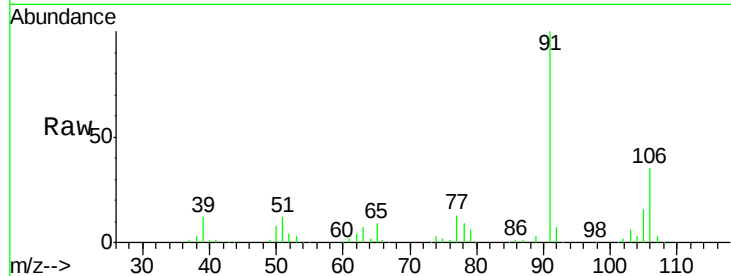




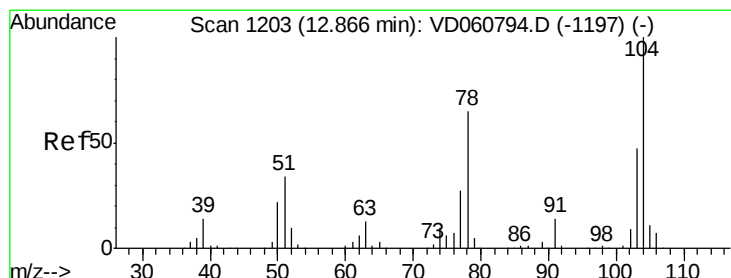
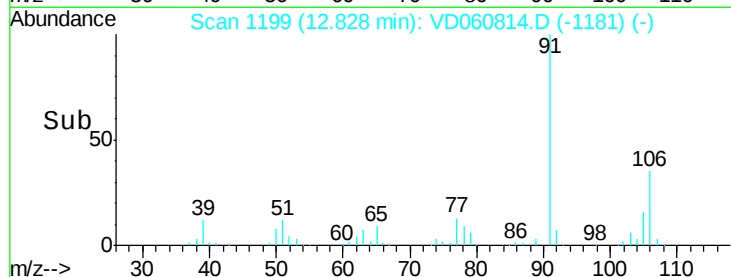
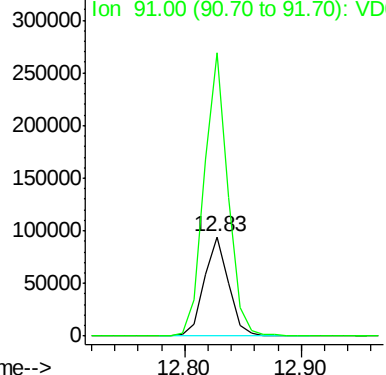
#69
o-Xylene
Concen: 18.678 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion:106 Resp: 134875
Ion Ratio Lower Upper
106 100
91 285.8 127.6 382.7

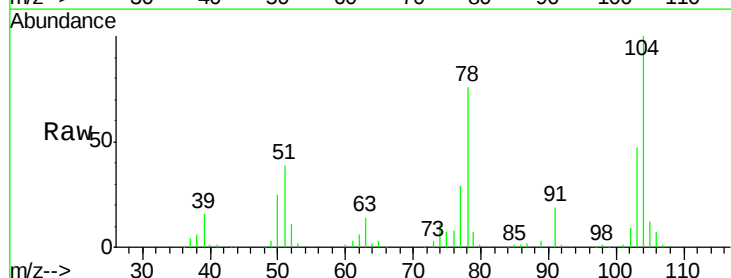


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

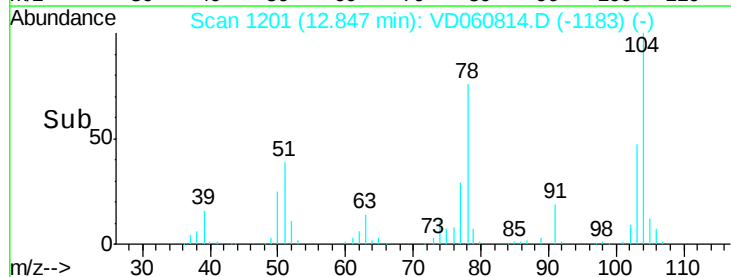
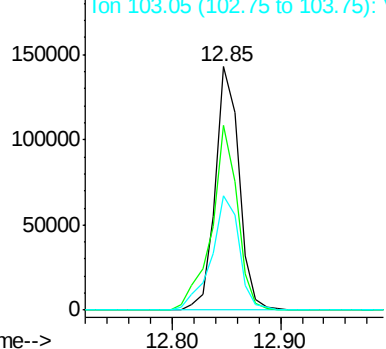


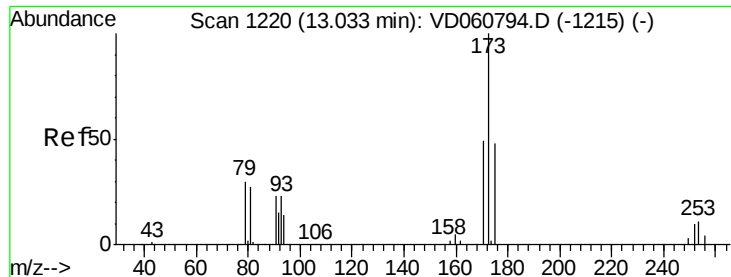
#70
Styrene
Concen: 17.951 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:104 Resp: 217366
Ion Ratio Lower Upper
104 100
78 75.8 52.0 78.0
103 47.1 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

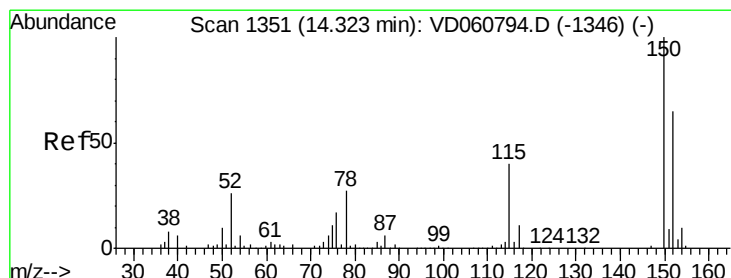
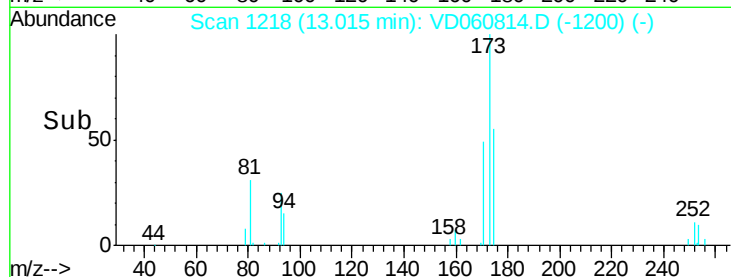
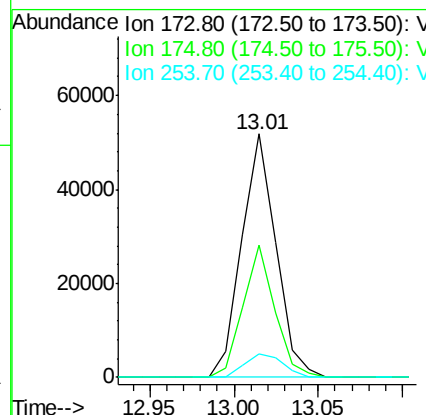
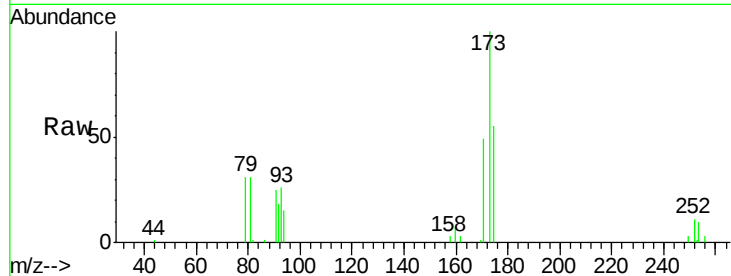




#71
Bromoform
Concen: 18.145 ug/l
RT: 13.01 min Scan# 1218
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

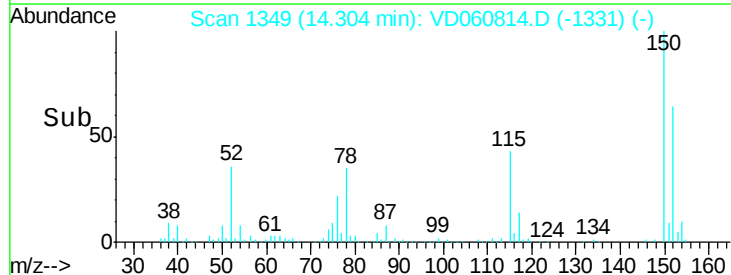
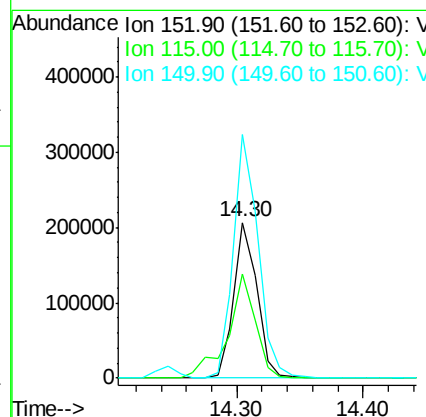
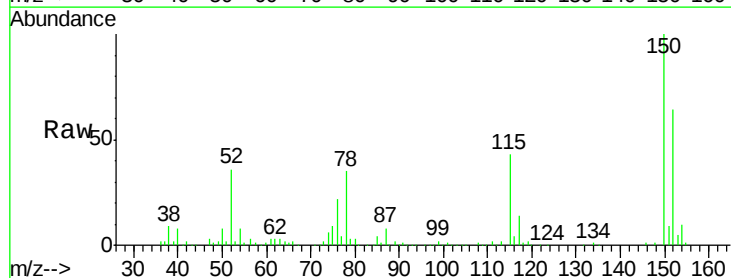
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

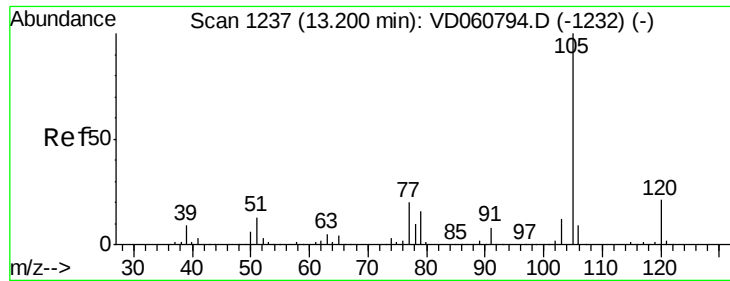
Tot Ion:173 Resp: 73246
Ion Ratio Lower Upper
173 100
175 54.5 24.1 72.4
254 9.8 9.1 13.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.30 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:152 Resp: 261244
Ion Ratio Lower Upper
152 100
115 67.3 31.6 95.0
150 156.8 0.0 317.6





#73

Isopropylbenzene

Concen: 21.729 ug/l

RT: 13.18 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

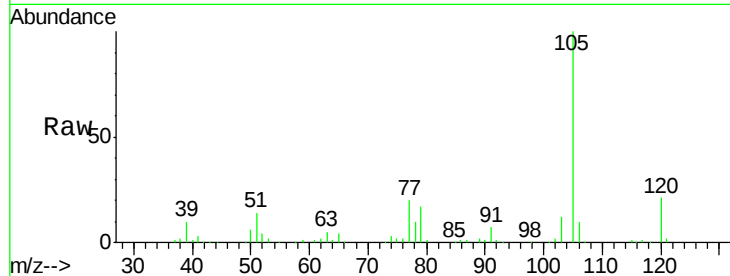
VD0201SBS01

Tot Ion:105 Resp: 452597

Ion Ratio Lower Upper

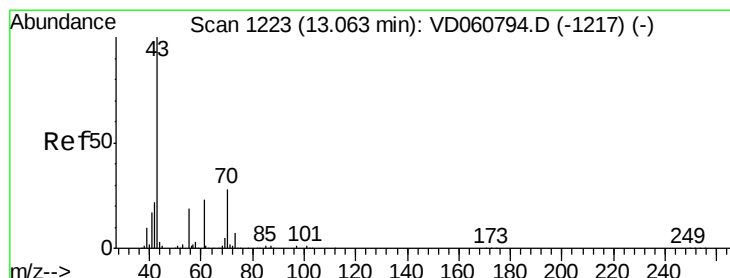
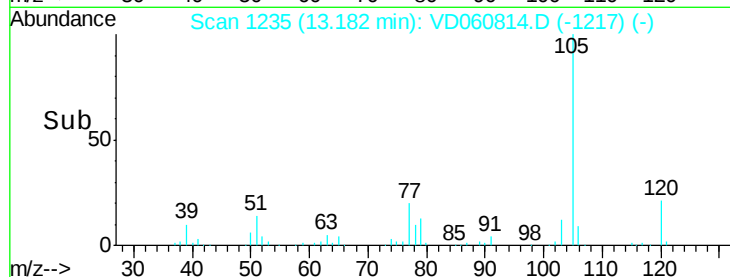
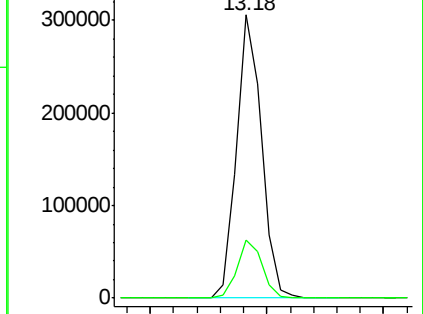
105 100

120 20.6 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.386 ug/l

RT: 13.04 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion: 43 Resp: 117734

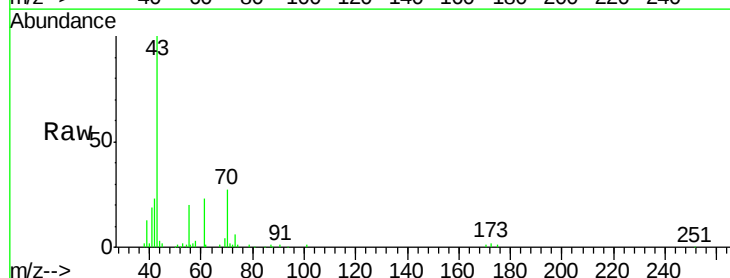
Ion Ratio Lower Upper

43 100

70 27.4 22.2 33.4

55 19.9 15.5 23.3

61 22.6 18.4 27.6

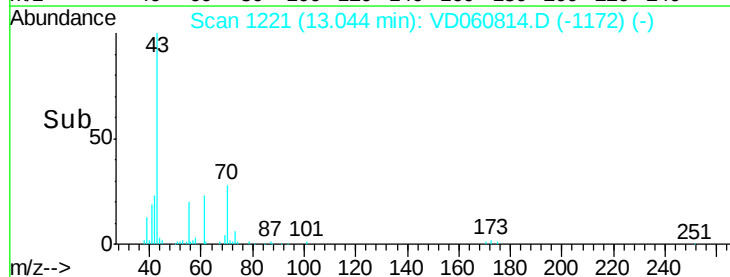
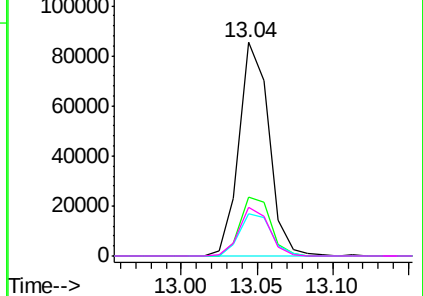


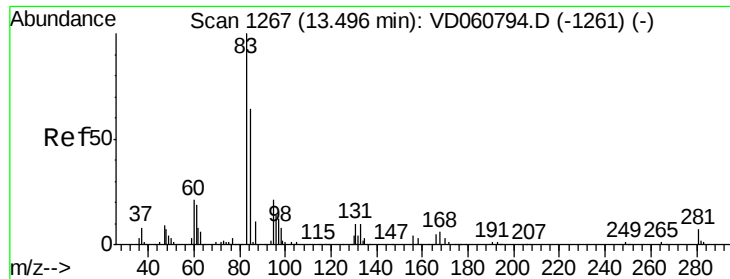
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.027 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

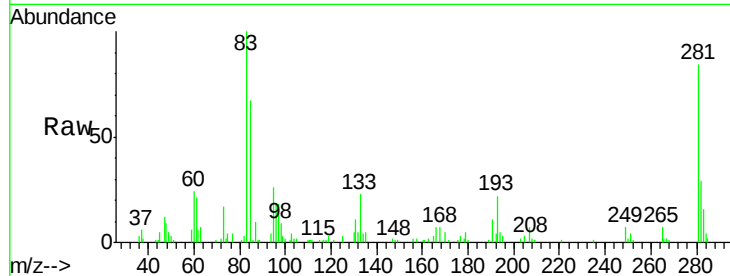
Tot Ion: 83 Resp: 72161

Ion Ratio Lower Upper

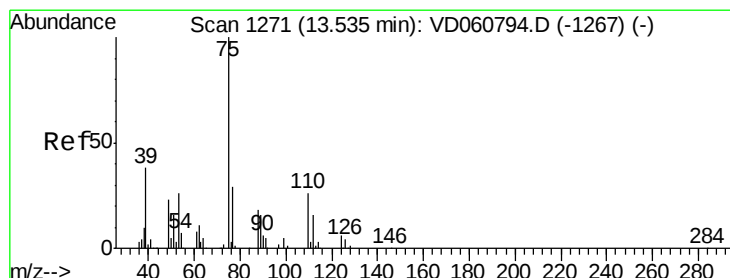
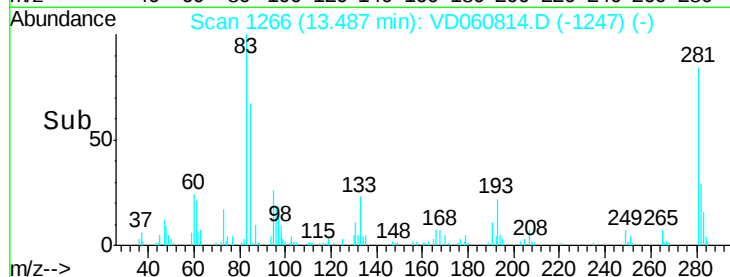
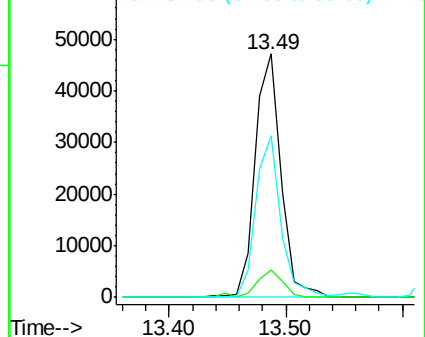
83 100

131 11.1 5.0 15.0

85 66.5 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: 19.525 ug/l

RT: 13.52 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VD060814.D

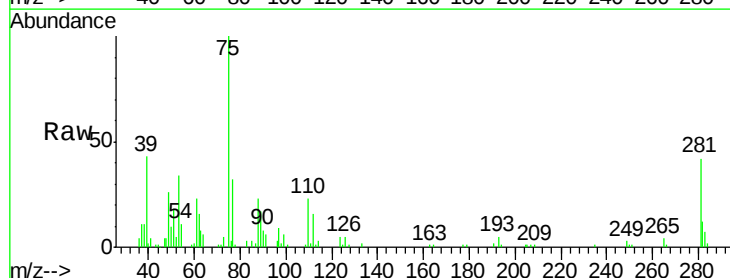
Acq: 1 Feb 2019 12:49

Tgt Ion: 75 Resp: 93537

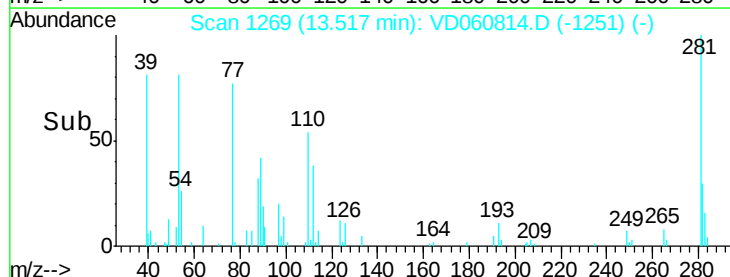
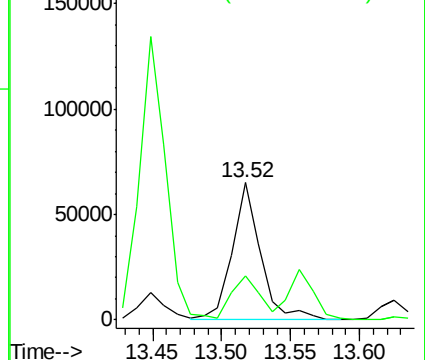
Ion Ratio Lower Upper

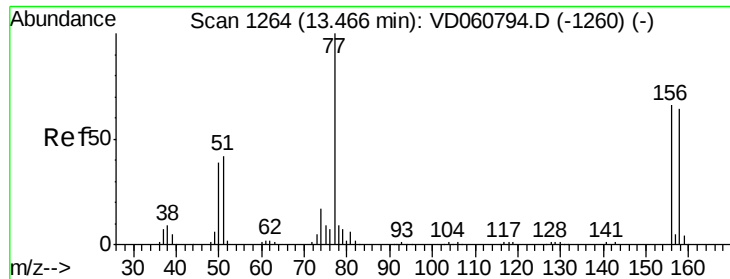
75 100

77 32.2 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: 20.844 ug/l

RT: 13.45 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

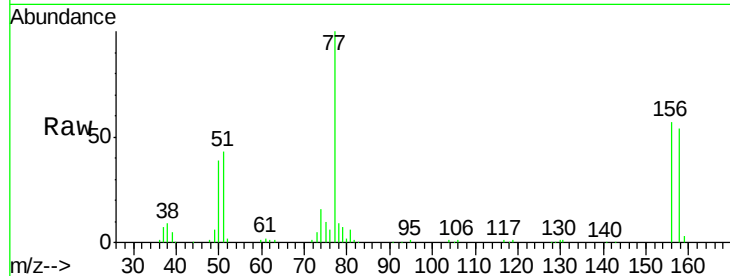
Tot Ion:156 Resp: 111603

Ion Ratio Lower Upper

156 100

77 175.3 76.0 228.0

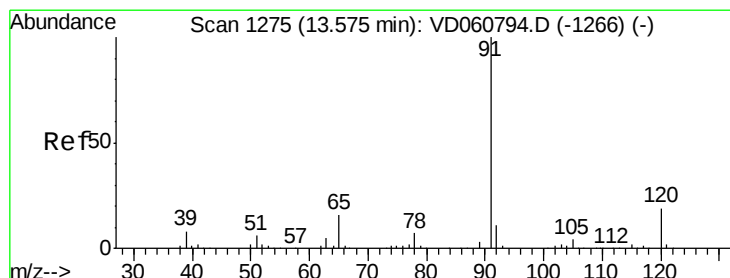
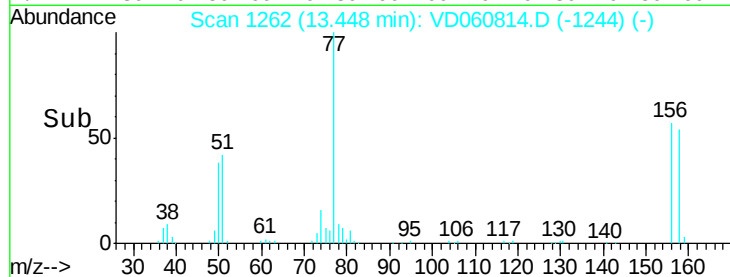
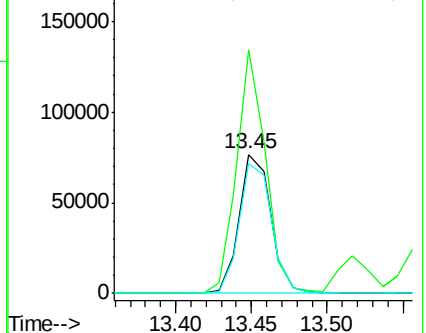
158 93.8 48.4 145.0



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: 21.895 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD060814.D

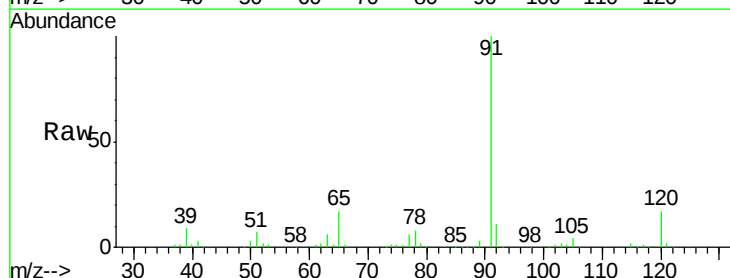
Acq: 1 Feb 2019 12:49

Tgt Ion: 91 Resp: 572509

Ion Ratio Lower Upper

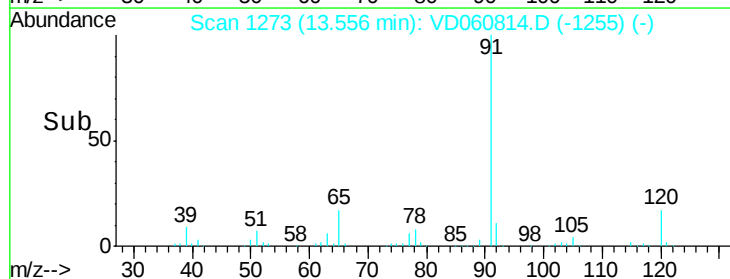
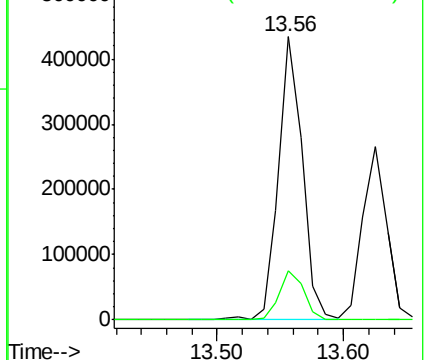
91 100

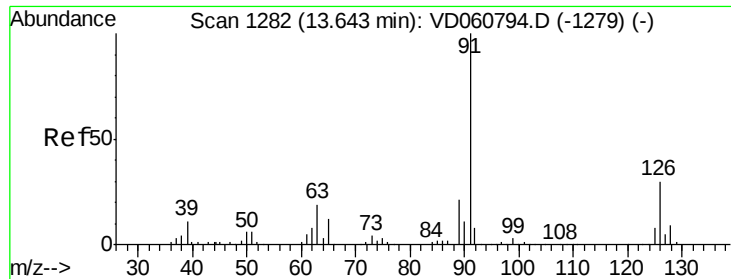
120 17.1 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

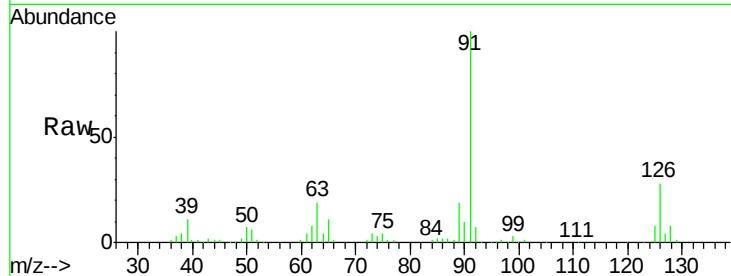




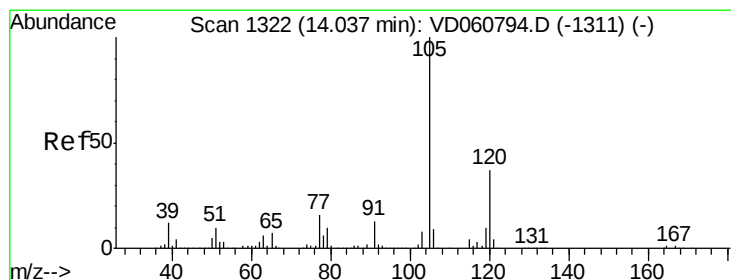
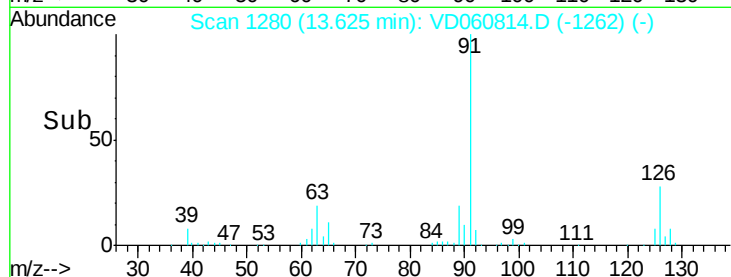
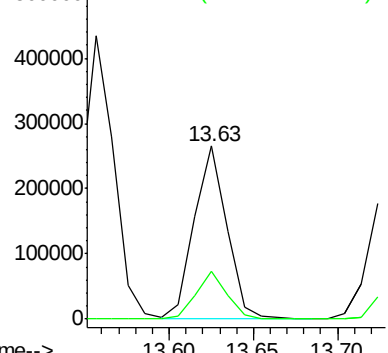
#79
2-Chlorotoluene
Concen: 22.434 ug/l
RT: 13.63 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 91 Resp: 357789
Ion Ratio Lower Upper
91 100
126 27.7 14.7 44.1

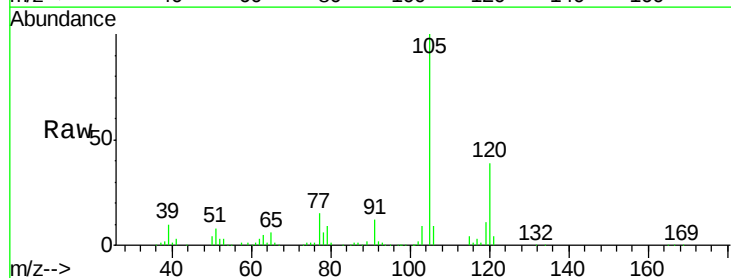


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

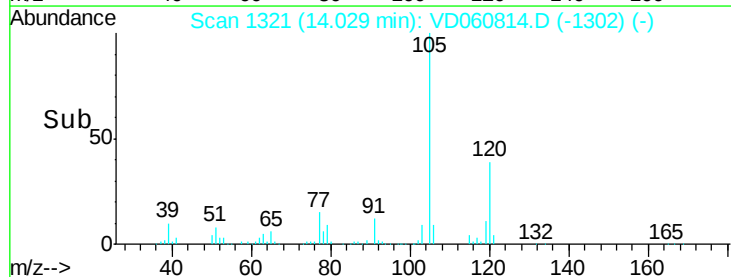
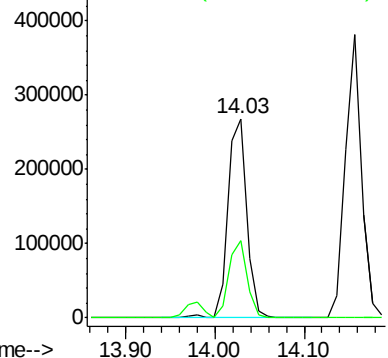


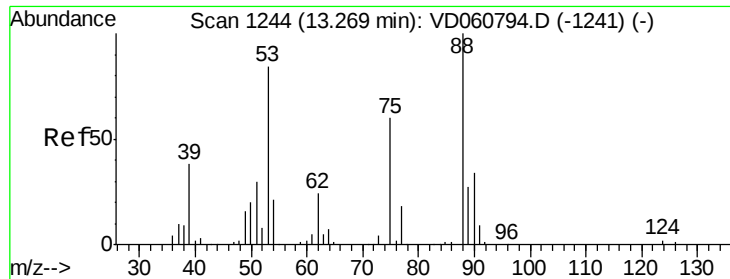
#80
1,3,5-Trimethylbenzene
Concen: 21.633 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 105 Resp: 387920
Ion Ratio Lower Upper
105 100
120 39.0 18.4 55.2



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

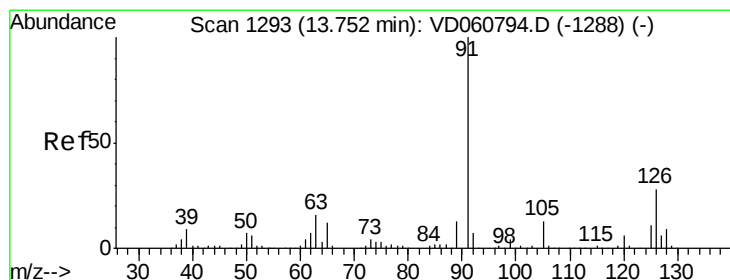
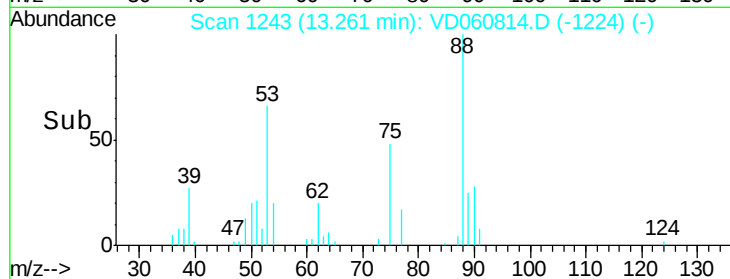
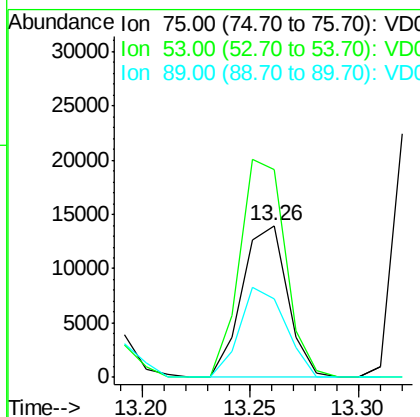
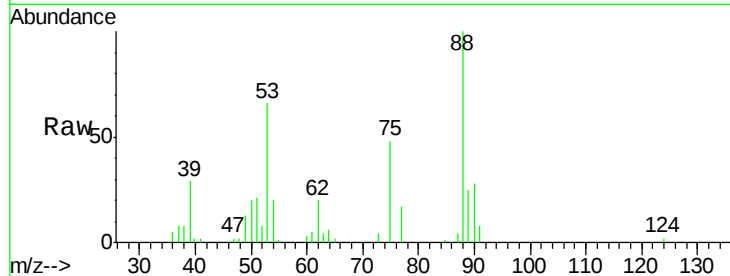




#81
trans-1,4-Dichloro-2-butene
Concen: 16.194 ug/l
RT: 13.26 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

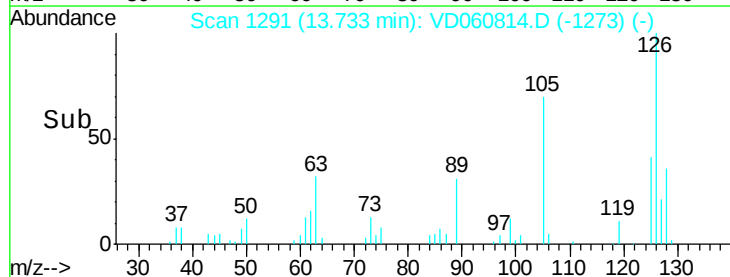
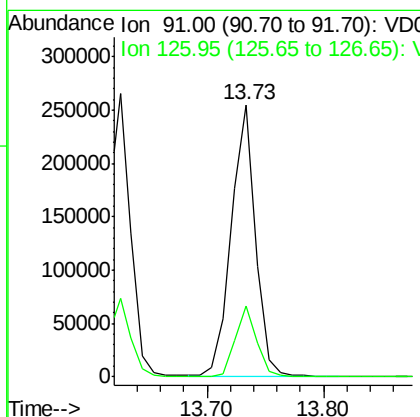
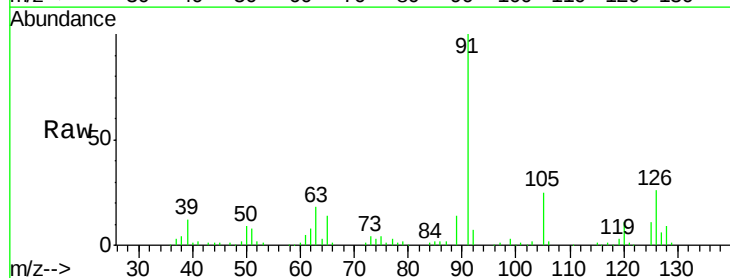
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

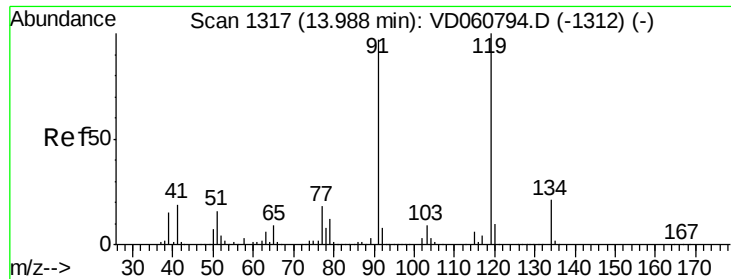
Tot Ion: 75 Resp: 20225
Ion Ratio Lower Upper
75 100
53 136.9 111.6 167.4
89 52.0 35.9 53.9



#82
4-Chlorotoluene
Concen: 20.640 ug/l
RT: 13.73 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 91 Resp: 365852
Ion Ratio Lower Upper
91 100
126 26.2 13.9 41.7

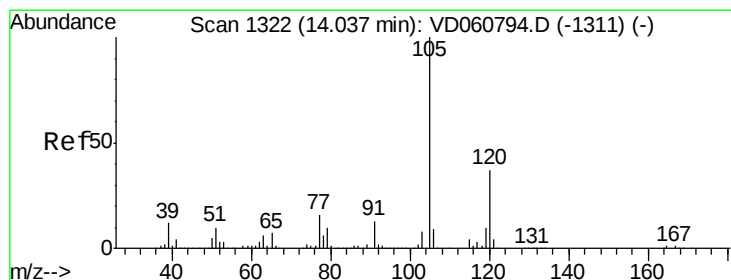
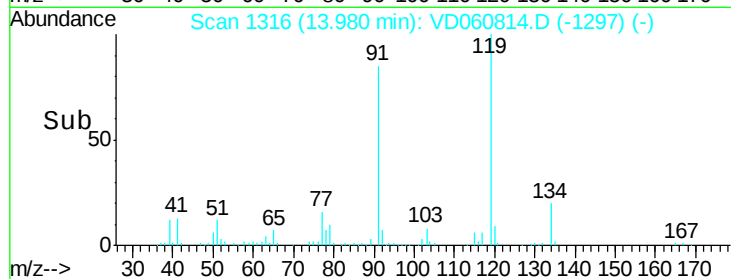
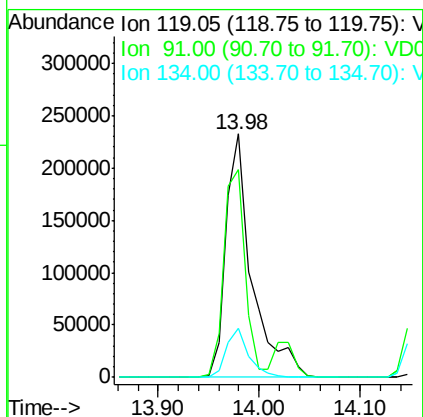
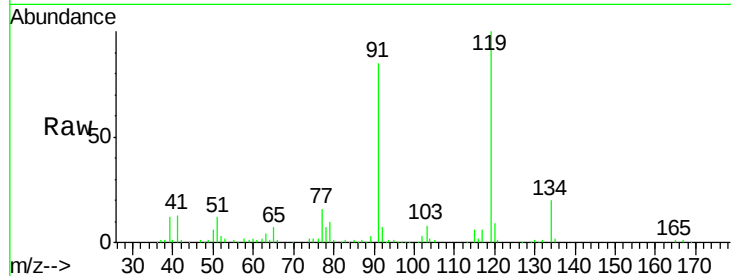




#83
tert-Butylbenzene
Concen: 22.292 ug/l
RT: 13.98 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

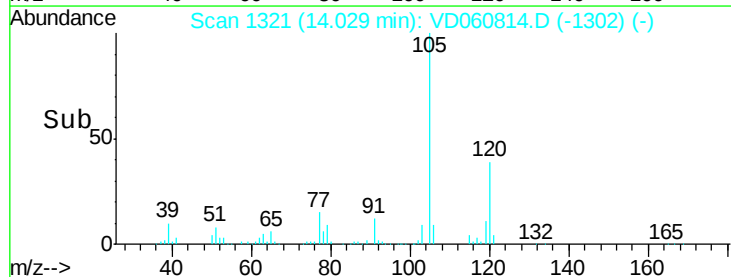
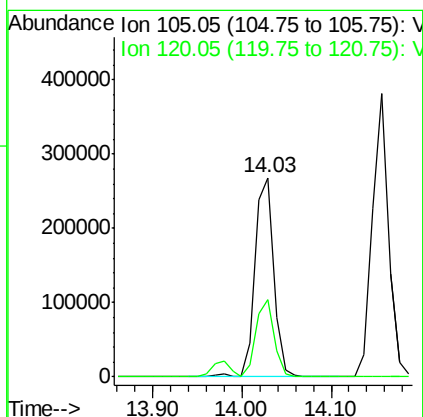
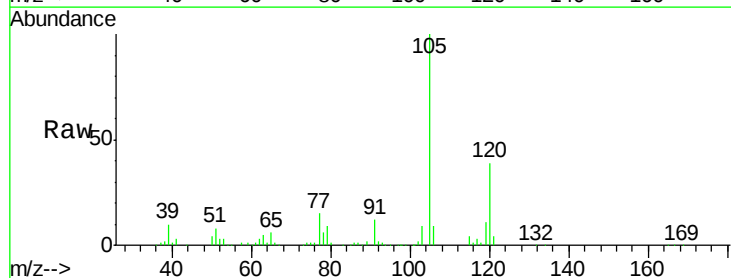
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

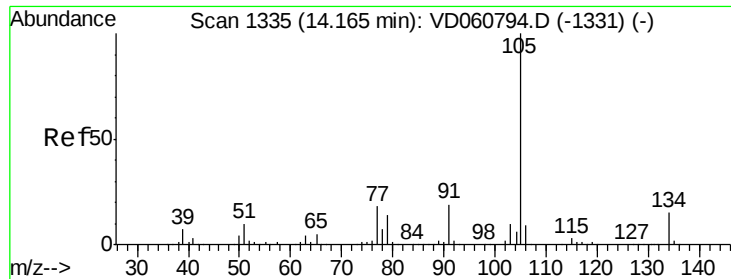
Tot Ion:119 Resp: 418212
Ion Ratio Lower Upper
119 100
91 85.1 48.5 145.5
134 20.2 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 21.633 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:105 Resp: 387920
Ion Ratio Lower Upper
105 100
120 39.0 18.4 55.2





#85

sec-Butylbenzene

Concen: 22.237 ug/l

RT: 14.16 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

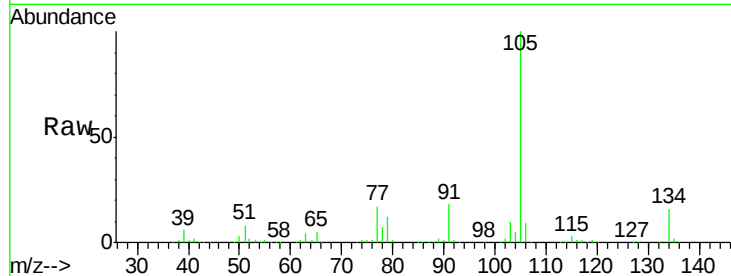
VD0201SBS01

Tot Ion:105 Resp: 474887

Ion Ratio Lower Upper

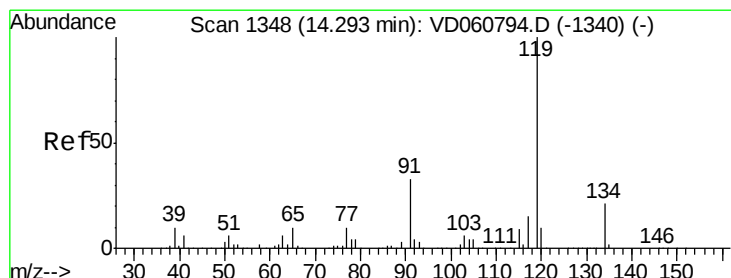
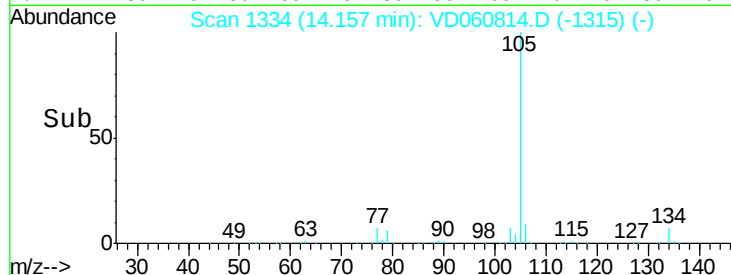
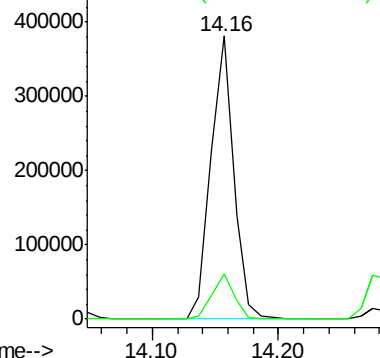
105 100

134 16.0 7.4 22.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.752 ug/l

RT: 14.27 min Scan# 1346

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

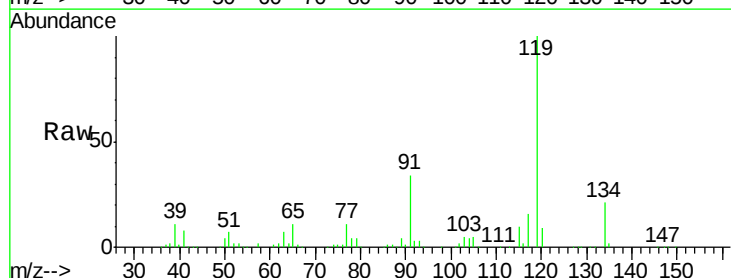
Tgt Ion:119 Resp: 394486

Ion Ratio Lower Upper

119 100

134 20.5 10.8 32.3

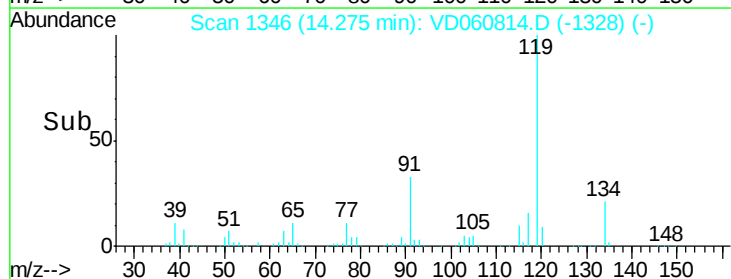
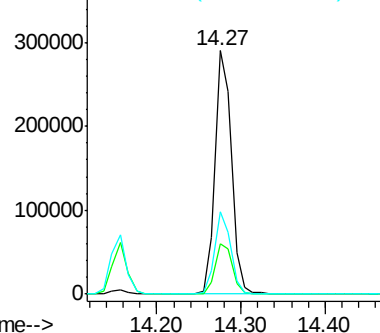
91 33.6 16.7 50.0

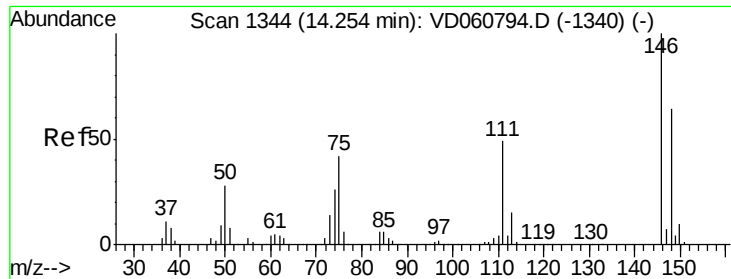


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

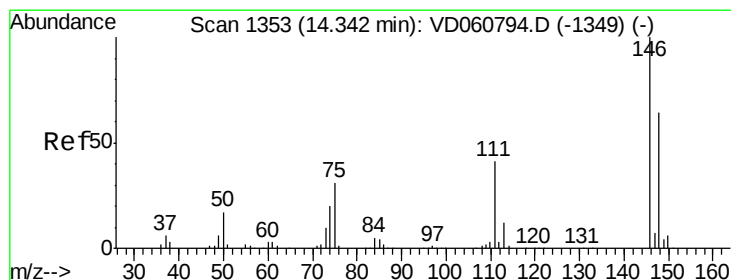
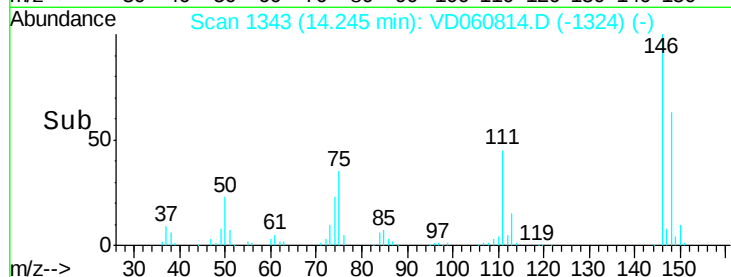
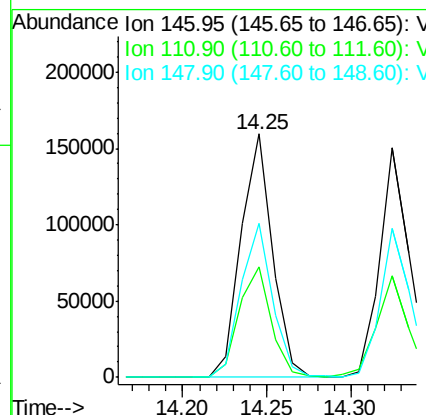
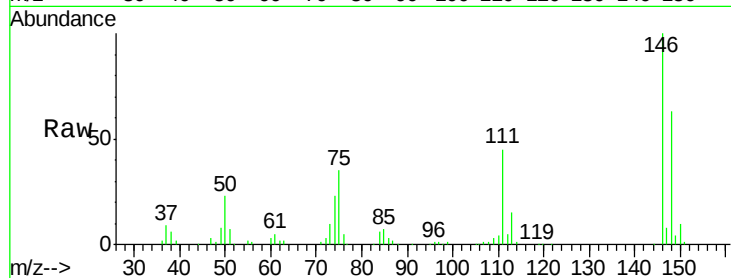




#87
 1,3-Dichlorobenzene
 Concen: 21.616 ug/l
 RT: 14.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

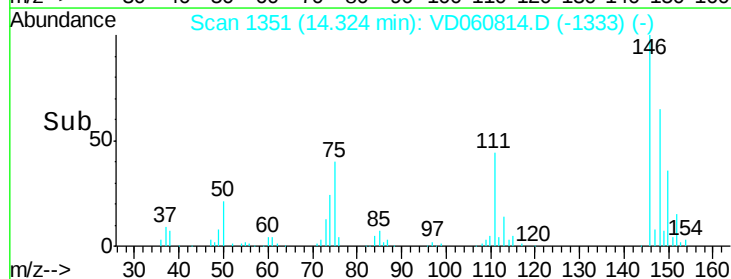
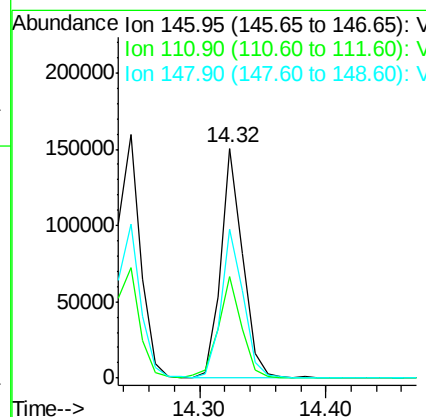
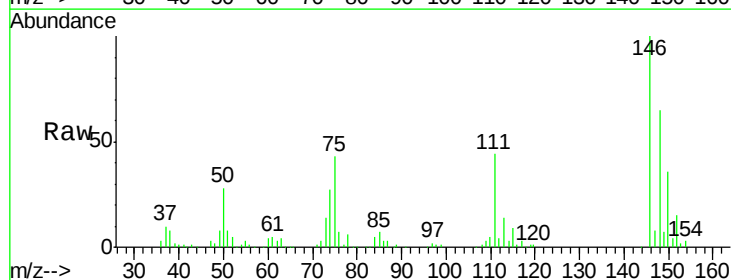
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

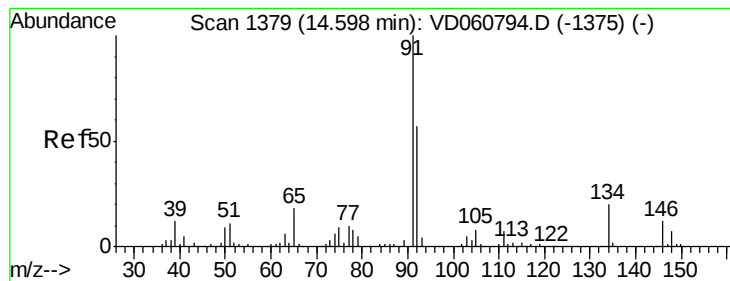
Tot Ion:146 Resp: 207013
 Ion Ratio Lower Upper
 146 100
 111 45.2 24.3 73.0
 148 63.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.758 ug/l
 RT: 14.32 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion:146 Resp: 183851
 Ion Ratio Lower Upper
 146 100
 111 44.3 20.6 61.8
 148 64.9 31.9 95.7





#89

n-Butylbenzene

Concen: 20.365 ug/l

RT: 14.59 min Scan# 1378

Delta R.T. -0.01 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

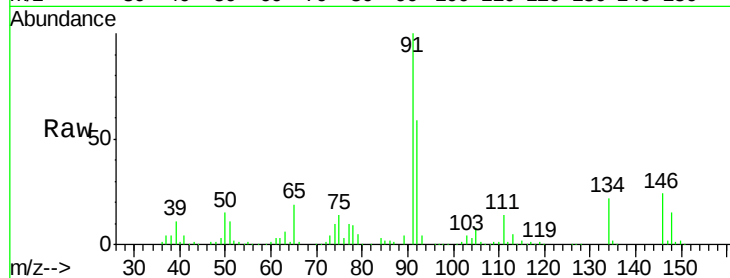
Tot Ion: 91 Resp: 368400

Ion Ratio Lower Upper

91 100

92 58.6 28.5 85.5

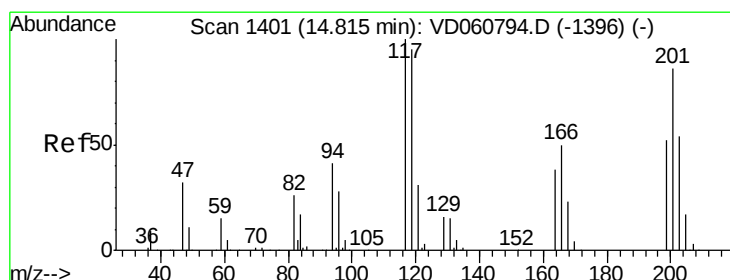
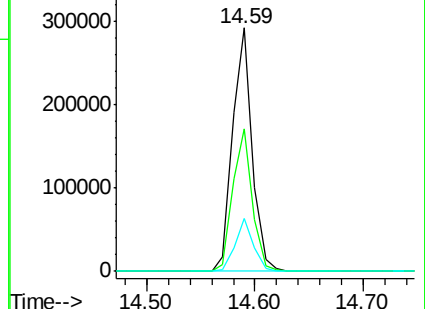
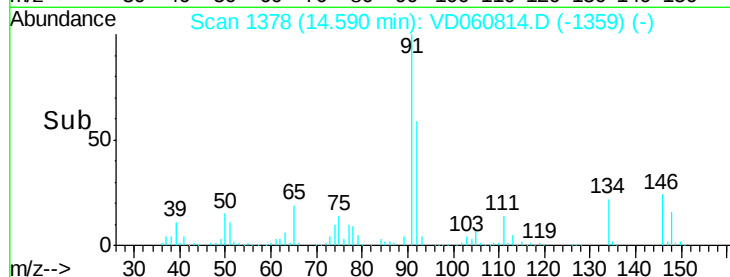
134 21.7 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.919 ug/l

RT: 14.80 min Scan# 1399

Delta R.T. -0.02 min

Lab File: VD060814.D

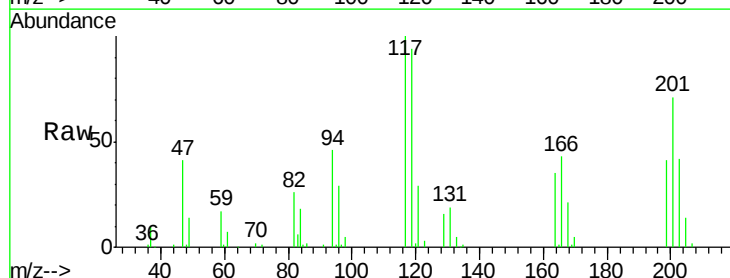
Acq: 1 Feb 2019 12:49

Tgt Ion: 117 Resp: 107933

Ion Ratio Lower Upper

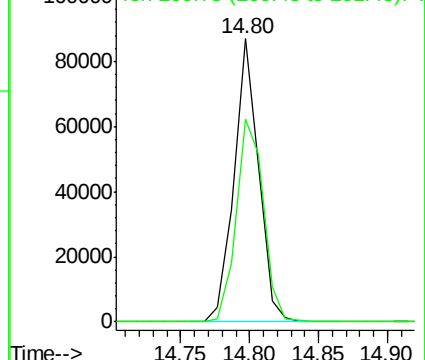
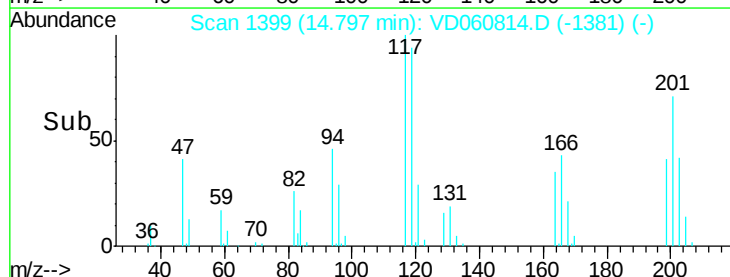
117 100

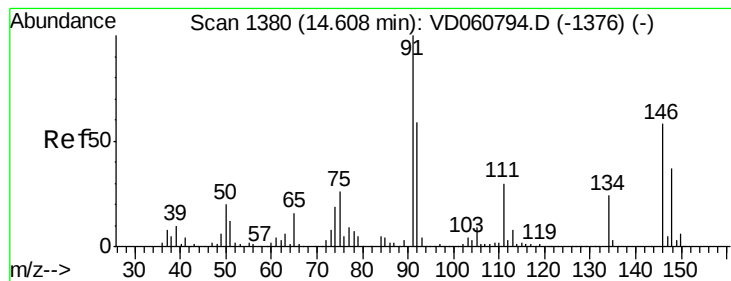
201 71.5 43.0 128.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 19.296 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

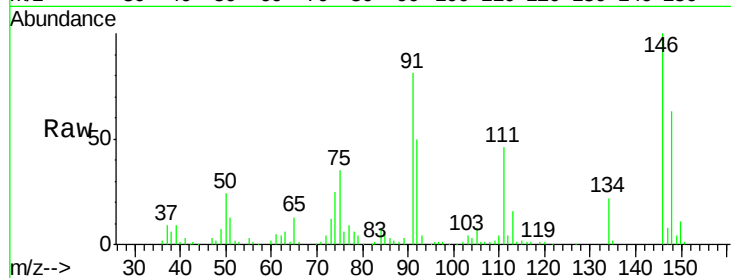
Tot Ion:146 Resp: 153389

Ion Ratio Lower Upper

146 100

111 46.0 25.6 76.8

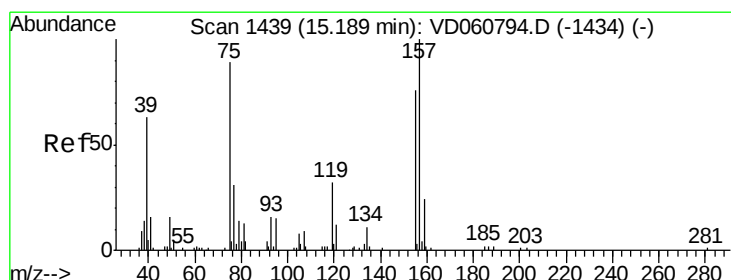
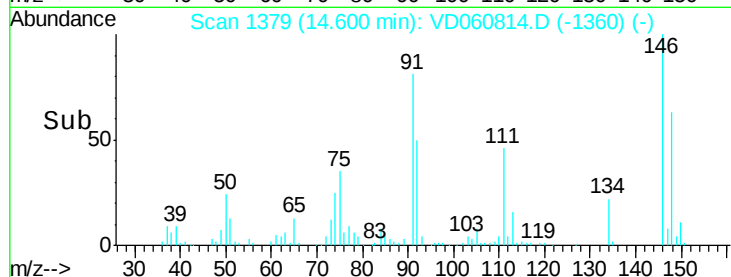
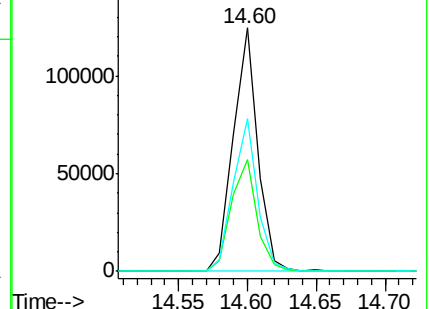
148 62.5 31.4 94.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.178 ug/l

RT: 15.17 min Scan# 1437

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

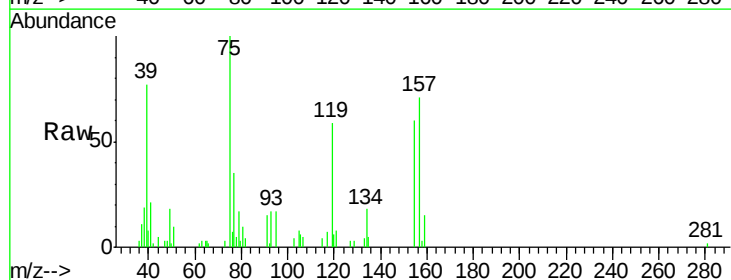
Tgt Ion: 75 Resp: 17280

Ion Ratio Lower Upper

75 100

155 60.4 43.0 129.0

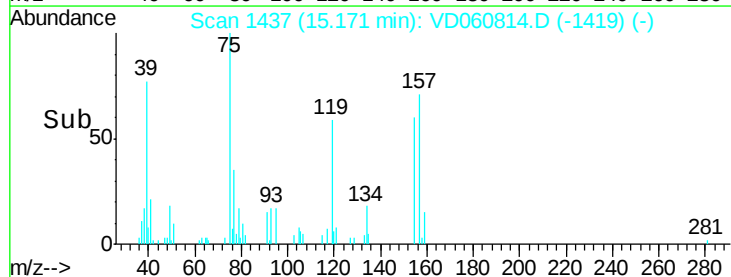
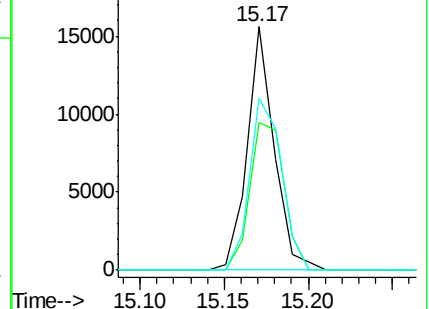
157 70.6 56.3 168.9

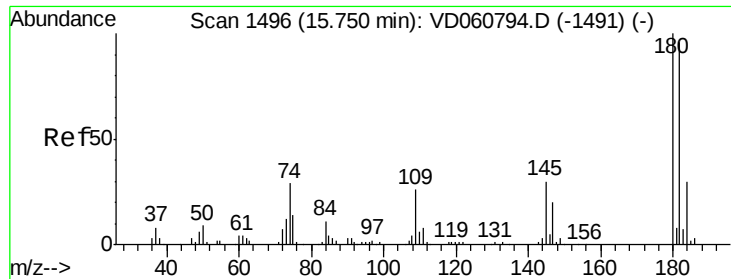


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

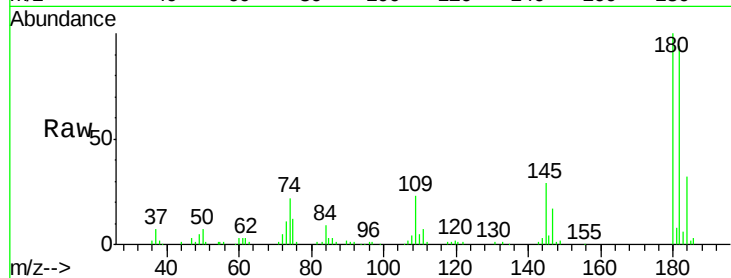




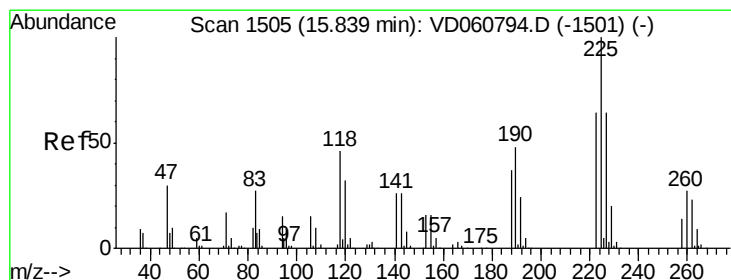
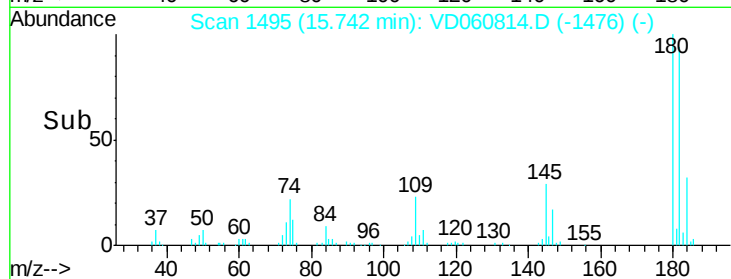
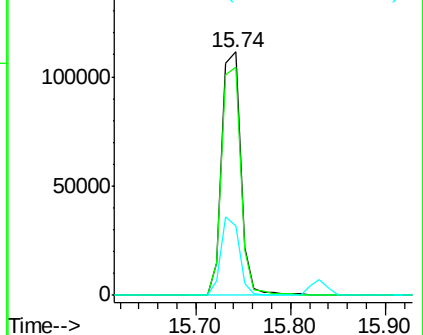
#93
 1,2,4-Trichlorobenzene
 Concen: 22.548 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.7
145	28.8	15.0	45.1

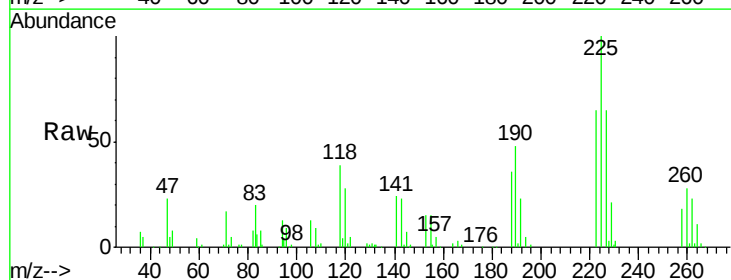


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

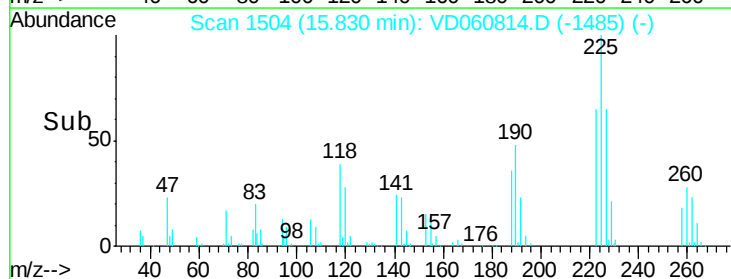
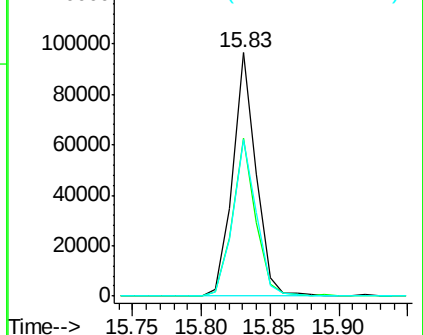


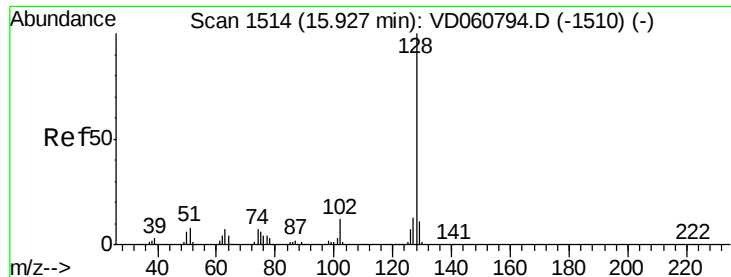
#94
 Hexachlorobutadiene
 Concen: 22.023 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.4
227	64.5	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

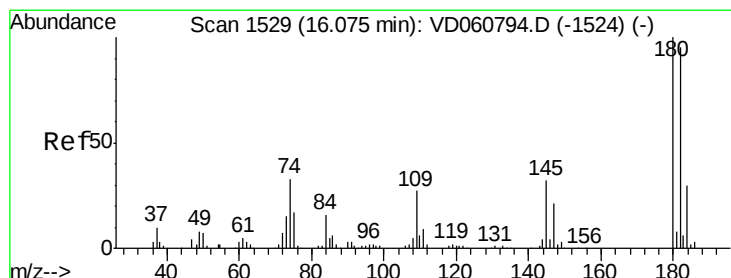
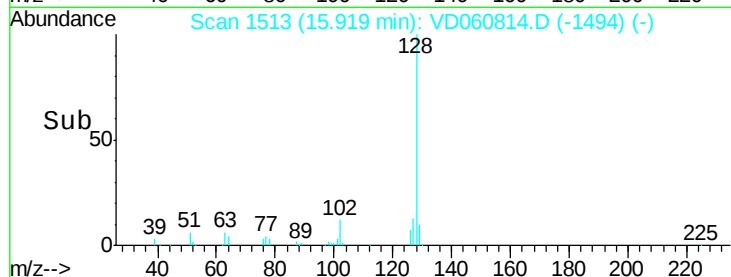
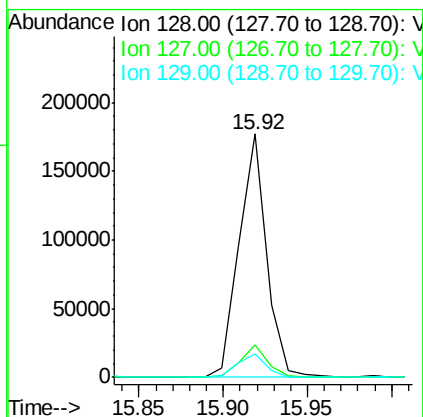
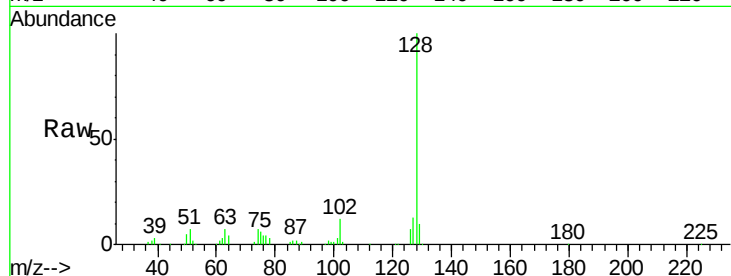




#95
Naphthalene
Concen: 19.014 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion:128 Resp: 201085
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 9.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.748 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:180 Resp: 118197
Ion Ratio Lower Upper
180 100
182 94.3 47.4 142.3
145 31.4 15.8 47.4

