

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060980.D
 Acq On : 8 Mar 2019 13:30
 Operator : VA/AP
 Sample : VD0308SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

Quant Time: Mar 08 23:04:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	696426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1227414	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1061192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	447476	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	317140	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	6.92	113	491120	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
50) Toluene-d8	10.39	98	1216202	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	13.54	95	474906	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	154981	22.466	ug/l	98
3) Chloromethane	1.76	50	133075	23.157	ug/l	95
4) Vinyl Chloride	1.86	62	119474	22.499	ug/l	93
5) Bromomethane	2.15	94	19274	17.770	ug/l	84
6) Chloroethane	2.26	64	29287	18.426	ug/l	95
7) Trichlorofluoromethane	2.53	101	154274	20.224	ug/l	100
8) Diethyl Ether	2.87	74	51345	20.403	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	186407	21.857	ug/l	96
10) Methyl Iodide	3.31	142	213125	20.015	ug/l	98
11) Tert butyl alcohol	4.06	59	37999	102.966	ug/l	96
12) 1,1-Dichloroethene	3.13	96	156465	22.382	ug/l	95
13) Acrolein	3.04	56	52445	98.216	ug/l	93
14) Allyl chloride	3.62	41	239683	21.429	ug/l	99
15) Acrylonitrile	4.19	53	141315	108.344	ug/l	96
16) Acetone	3.23	43	157363	94.929	ug/l	98
17) Carbon Disulfide	3.38	76	531028	22.519	ug/l	100
18) Methyl Acetate	3.64	43	63979	19.612	ug/l #	91
19) Methyl tert-butyl Ether	4.23	73	267301	21.818	ug/l	99
20) Methylene Chloride	3.82	84	184259	21.742	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	164011	21.676	ug/l	95
22) Diisopropyl ether	5.12	45	506672	21.821	ug/l	99
23) Vinyl Acetate	5.05	43	1260303	105.735	ug/l	98
24) 1,1-Dichloroethane	4.98	63	274922	21.610	ug/l	99
25) 2-Butanone	6.06	43	210939	112.141	ug/l	99
26) 2,2-Dichloropropane	6.01	77	222045	22.358	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	182371	22.717	ug/l	96
28) Bromochloromethane	6.43	49	107824	20.020	ug/l	99
29) Tetrahydrofuran	6.45	42	114917	112.510	ug/l	99
30) Chloroform	6.65	83	287113	21.776	ug/l	100
31) Cyclohexane	6.95	56	228141	22.240	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	249457	21.884	ug/l	99
36) 1,1-Dichloropropene	7.14	75	220767	20.866	ug/l	99
37) Ethyl Acetate	6.17	43	102350	20.615	ug/l	96
38) Carbon Tetrachloride	7.11	117	244939	21.017	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	220691	20.116	ug/l	100
40) Benzene	7.45	78	548870	20.761	ug/l	98
41) Methacrylonitrile	6.44	41	117446	20.566	ug/l	98
42) 1,2-Dichloroethane	7.57	62	160315	20.896	ug/l	99
43) Isopropyl Acetate	9.23	43	137980	20.065	ug/l #	94
44) Trichloroethene	8.53	130	191909	21.041	ug/l	95
45) 1,2-Dichloropropane	8.93	63	139942	20.148	ug/l	98
46) Dibromomethane	9.06	93	84326	19.140	ug/l	100
47) Bromodichloromethane	9.37	83	202930	20.411	ug/l	98
48) Methyl methacrylate	9.10	41	77636	20.052	ug/l	99
49) 1,4-Dioxane	9.07	88	15927	406.817	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	436345	103.577	ug/l	99
52) Toluene	10.49	92	351217	21.364	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	182897	20.119	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	221236	20.254	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	115001	21.006	ug/l	96
56) Ethyl methacrylate	11.03	69	129600	22.616	ug/l	99
57) 1,3-Dichloropropane	11.40	76	175341	21.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	285738	94.201	ug/l	97
59) 2-Hexanone	11.52	43	335850	108.985	ug/l	99
60) Dibromochloromethane	11.67	129	170297	21.136	ug/l	99
61) 1,2-Dibromoethane	11.79	107	132712	20.838	ug/l	99
64) Tetrachloroethene	11.24	164	145746	20.346	ug/l	99
65) Chlorobenzene	12.39	112	440052	21.152	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	151197	20.389	ug/l	97
67) Ethyl Benzene	12.51	91	624663	20.169	ug/l	97
68) m/p-Xylenes	12.66	106	528475	43.474	ug/l	98
69) o-Xylene	13.04	106	252222	21.108	ug/l	97
70) Styrene	13.06	104	387233	19.846	ug/l	99
71) Bromoform	13.23	173	92739	19.386	ug/l	98
73) Isopropylbenzene	13.40	105	623630	19.338	ug/l	98
74) N-amyl acetate	13.26	43	185468	20.425	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	123443	19.619	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	133489	20.735	ug/l	100
77) Bromobenzene	13.66	156	162271	19.712	ug/l	96
78) n-propylbenzene	13.77	91	741976	19.653	ug/l	96
79) 2-Chlorotoluene	13.83	91	457770	22.024	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	493263	20.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	43805	23.080	ug/l	96
82) 4-Chlorotoluene	13.94	91	512584	20.861	ug/l	98
83) tert-Butylbenzene	14.18	119	569177	21.244	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	493263	20.148	ug/l	99
85) sec-Butylbenzene	14.36	105	673126	20.579	ug/l	96
86) p-Isopropyltoluene	14.48	119	577937	21.616	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	317389	21.592	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	298103	20.637	ug/l	99
89) n-Butylbenzene	14.79	91	556221	21.664	ug/l	97
90) Hexachloroethane	15.00	117	155972	20.660	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	276917	22.597	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15277	20.149	ug/l	92

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QLast Update : Fri Mar 08 02:35:39 2019
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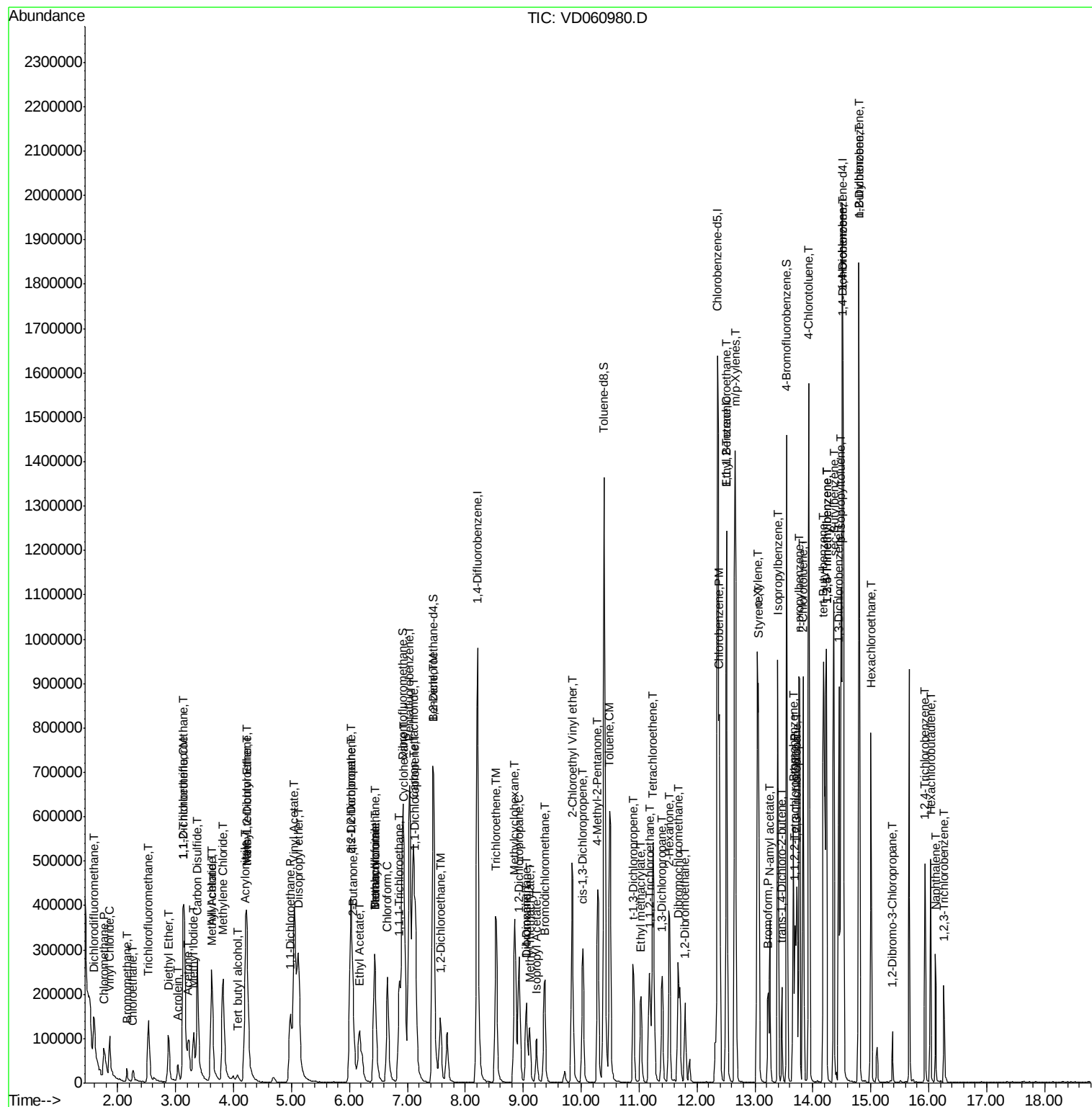
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	116881	20.560	ug/l	98
94) Hexachlorobutadiene	16.04	225	90350	21.012	ug/l	97
95) Naphthalene	16.11	128	186305	21.566	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	54470	19.400	ug/l	97

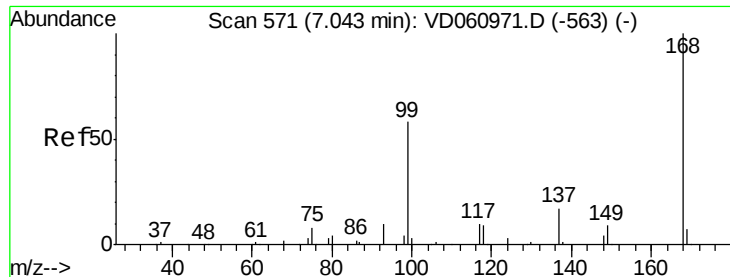
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030819\
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

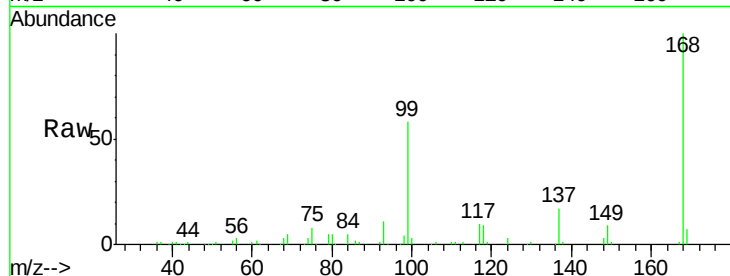
VD0308SBS01

Tot Ion:168 Resp: 696426

Ion Ratio Lower Upper

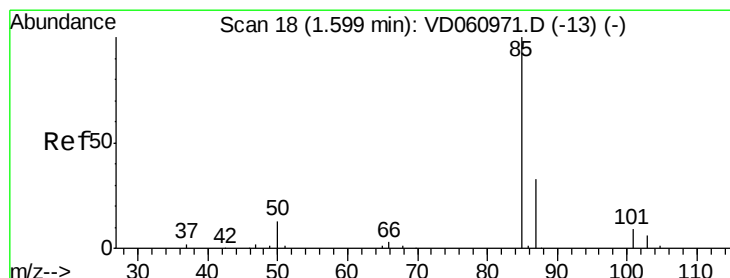
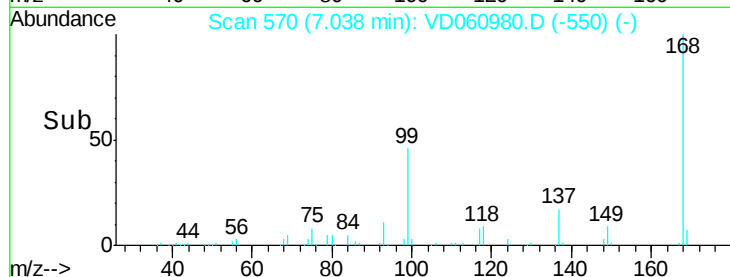
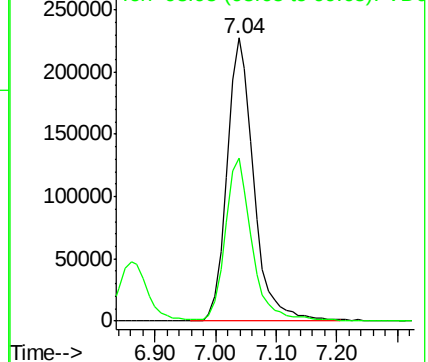
168 100

99 57.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.466 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD060980.D

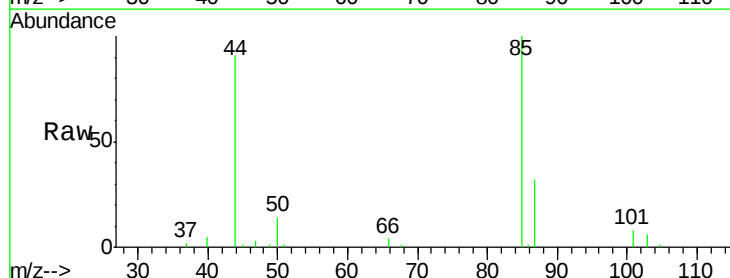
Acq: 8 Mar 2019 13:30

Tgt Ion: 85 Resp: 154981

Ion Ratio Lower Upper

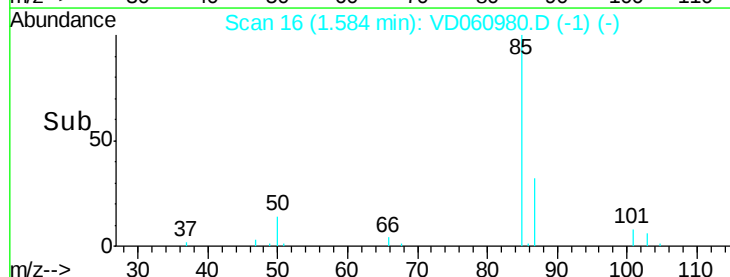
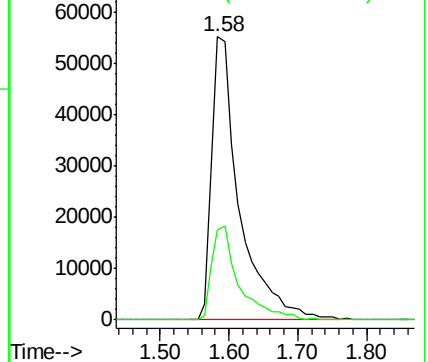
85 100

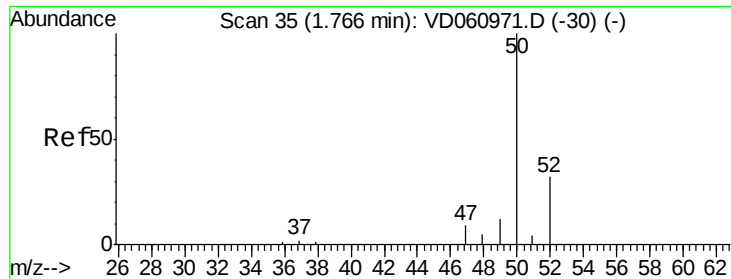
87 31.8 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

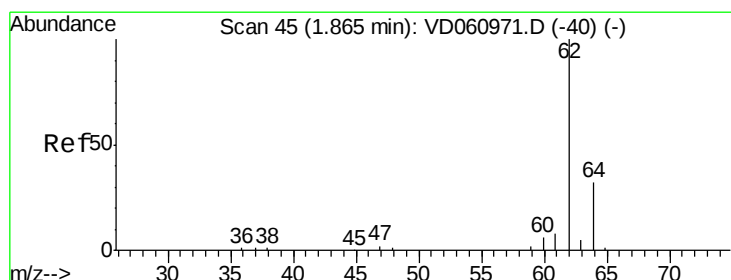
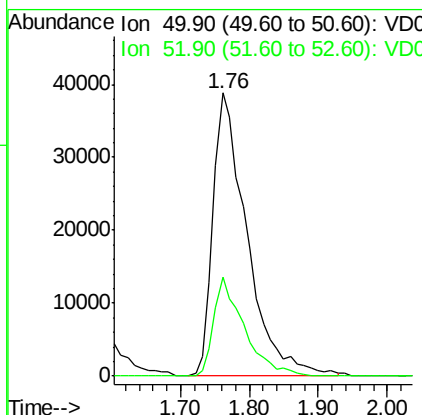
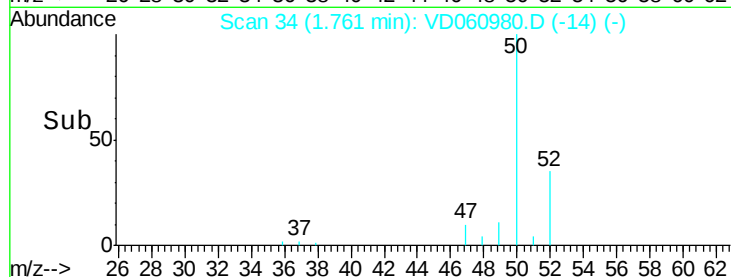
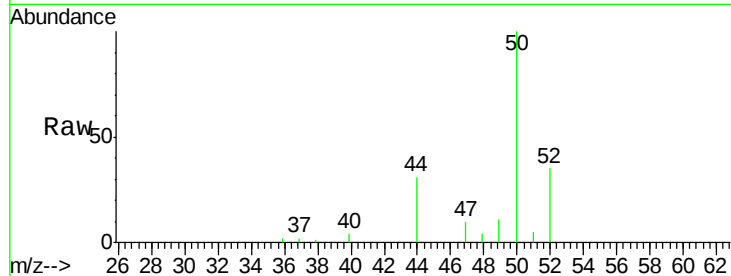




#3
 Chloromethane
 Concen: 23.157 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

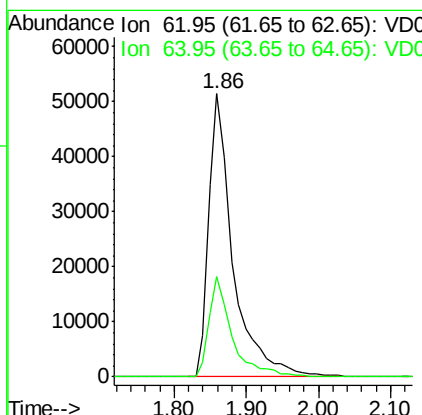
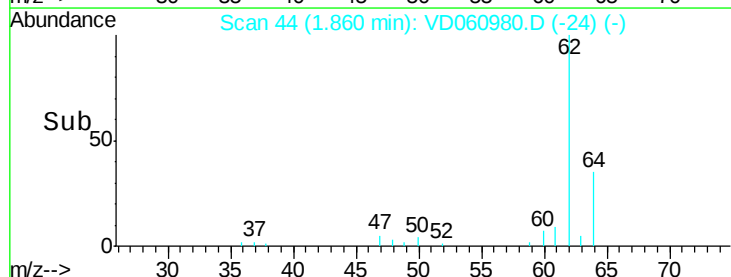
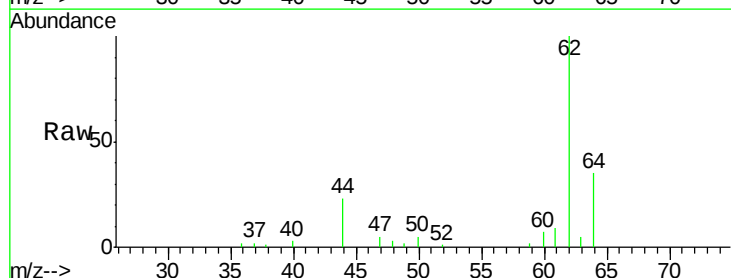
Instrument :
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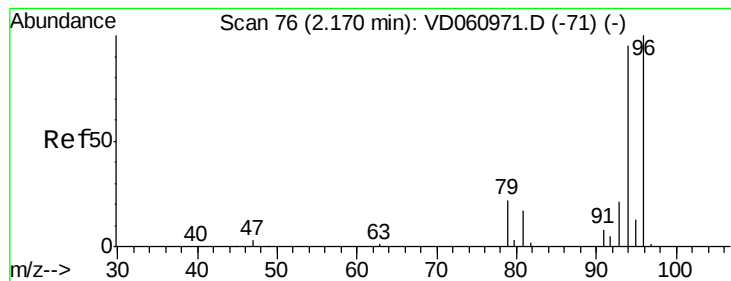
Tot Ion: 50 Resp: 133075
 Ion Ratio Lower Upper
 50 100
 52 34.9 25.8 38.8



#4
 Vinyl Chloride
 Concen: 22.499 ug/l
 RT: 1.86 min Scan# 44
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion: 62 Resp: 119474
 Ion Ratio Lower Upper
 62 100
 64 35.4 25.2 37.8





#5

Bromomethane

Concen: 17.770 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

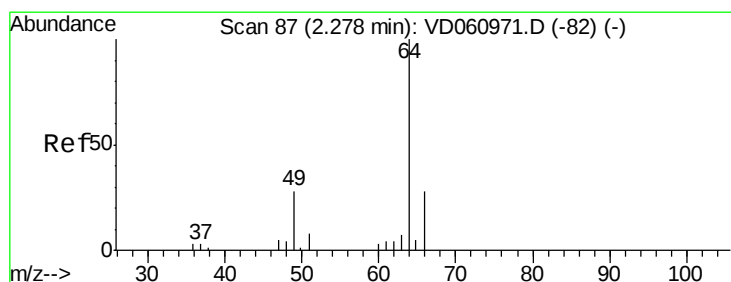
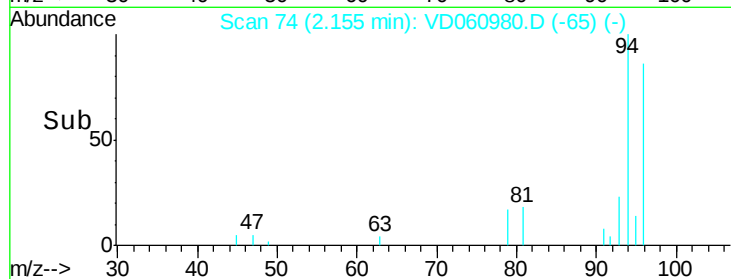
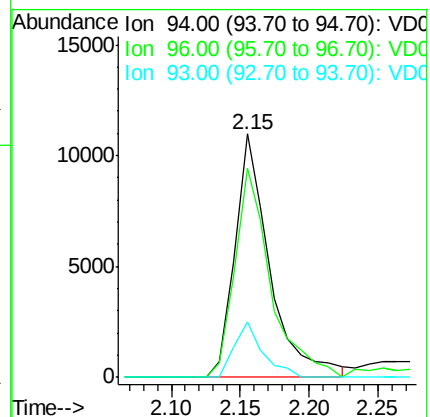
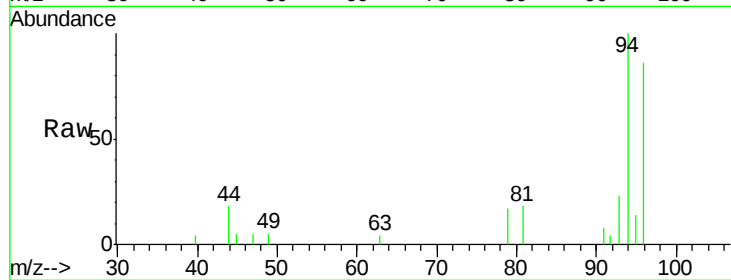
Tot Ion: 94 Resp: 19274

Ion Ratio Lower Upper

94 100

96 86.0 84.0 126.0

93 22.8 17.3 25.9



#6

Chloroethane

Concen: 18.426 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD060980.D

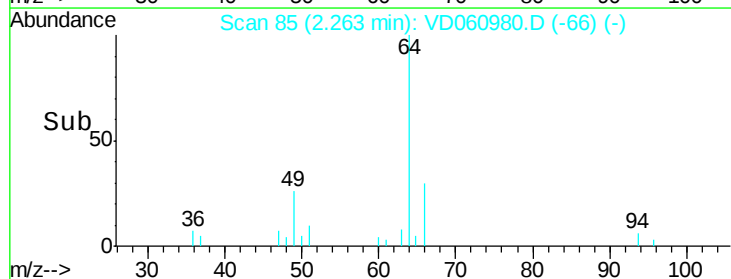
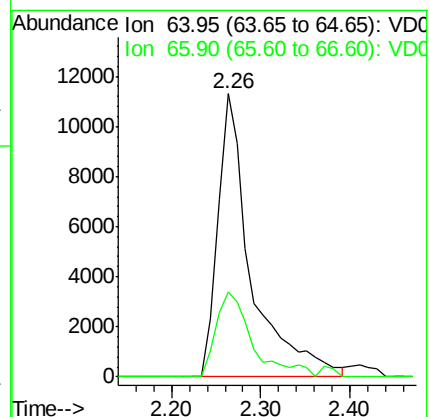
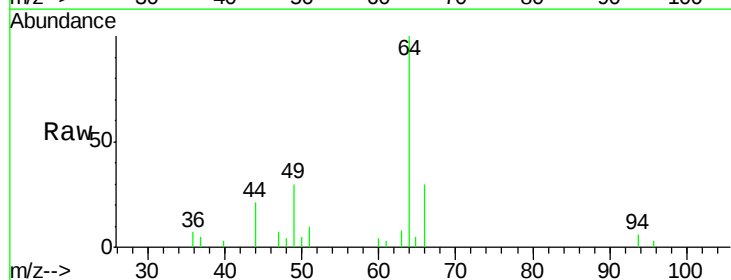
Acq: 8 Mar 2019 13:30

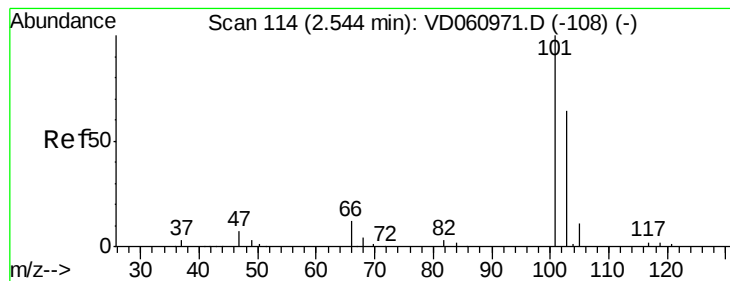
Tgt Ion: 64 Resp: 29287

Ion Ratio Lower Upper

64 100

66 30.1 22.2 33.2



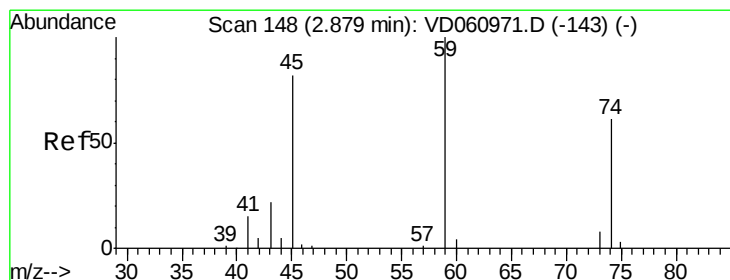
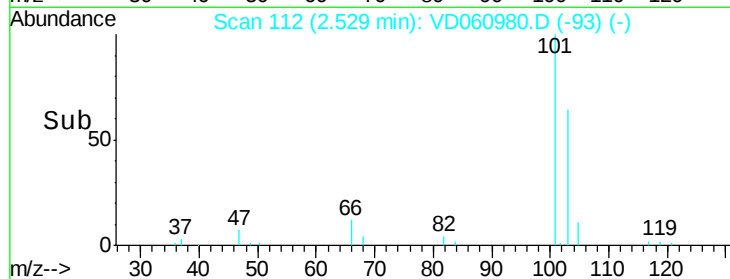
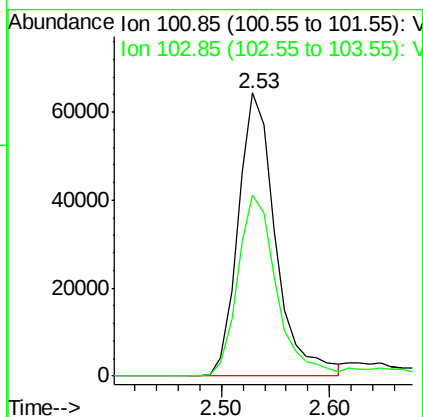
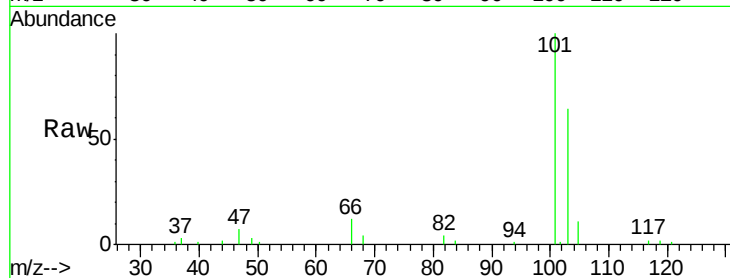


#7

Trichlorofluoromethane
 Concen: 20.224 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
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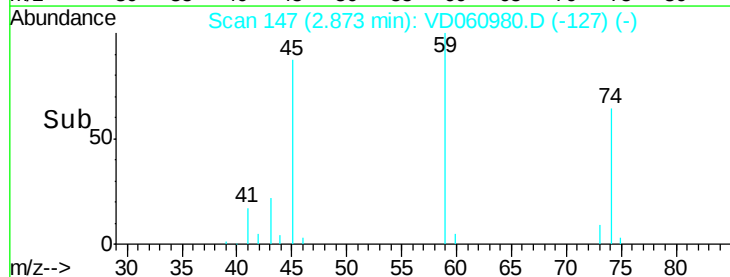
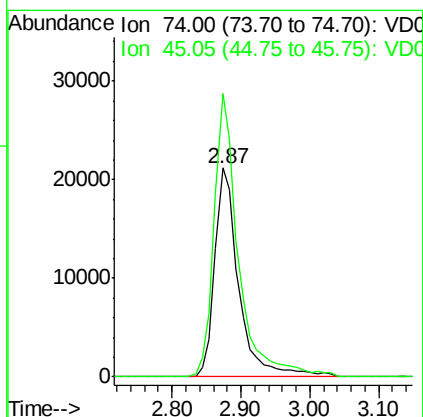
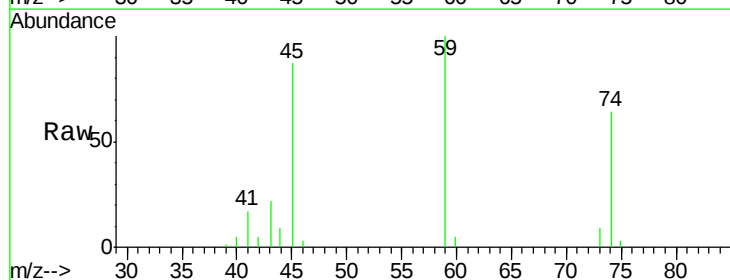
Tot Ion:101 Resp: 154274
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.2 76.8

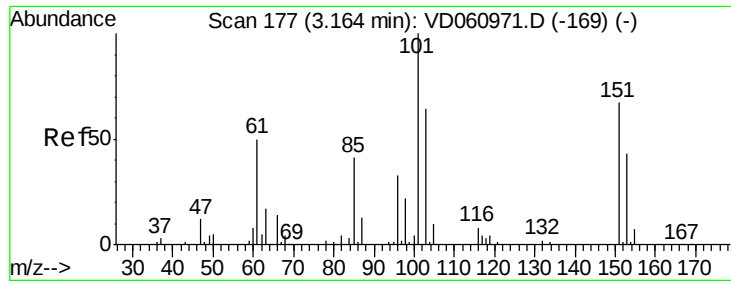


#8

Diethyl Ether
 Concen: 20.403 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion: 74 Resp: 51345
 Ion Ratio Lower Upper
 74 100
 45 135.4 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.857 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

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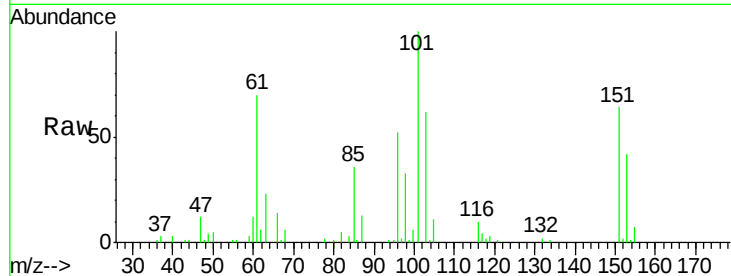
Tot Ion:101 Resp: 186407

Ion Ratio Lower Upper

101 100

85 36.3 32.5 48.7

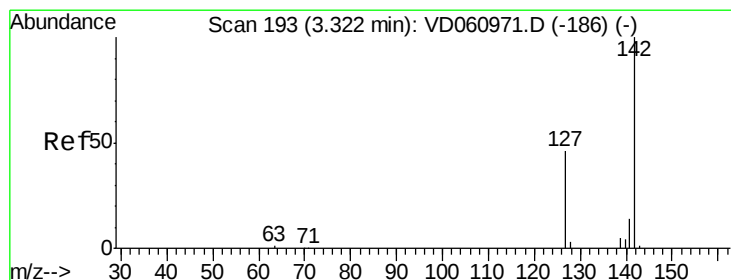
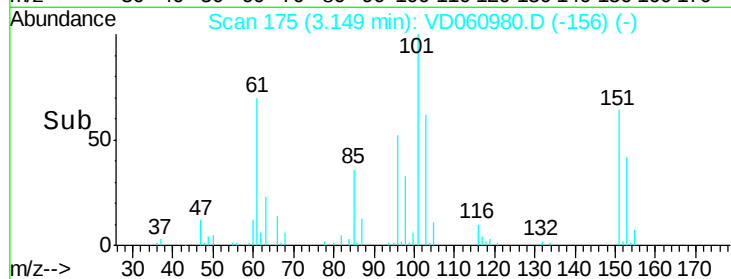
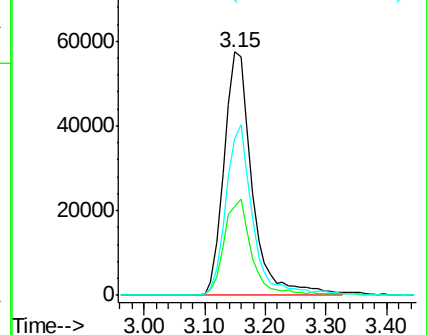
151 64.5 53.3 79.9



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: 20.015 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

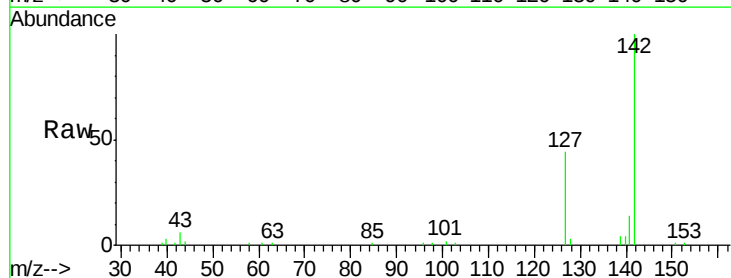
Tgt Ion:142 Resp: 213125

Ion Ratio Lower Upper

142 100

127 44.0 36.8 55.2

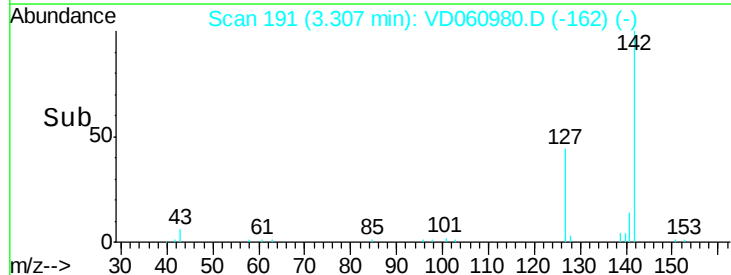
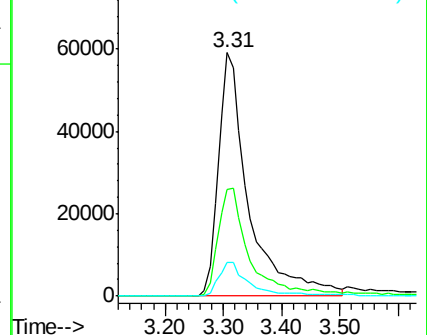
141 13.7 11.2 16.8

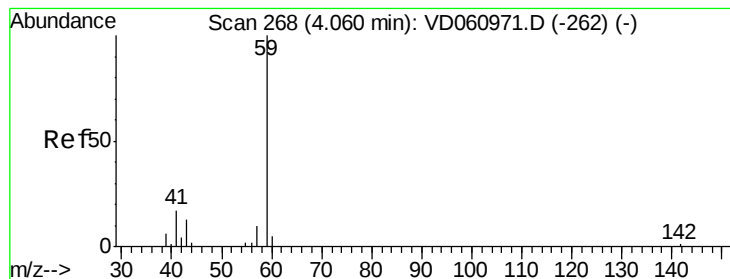


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



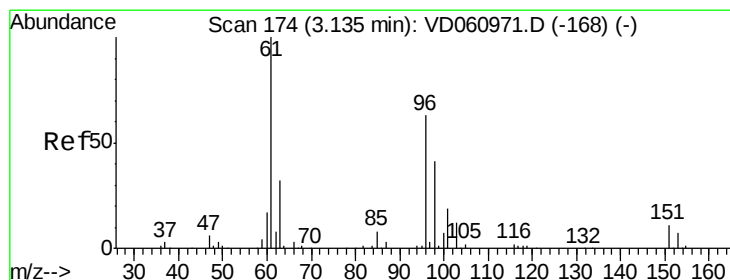
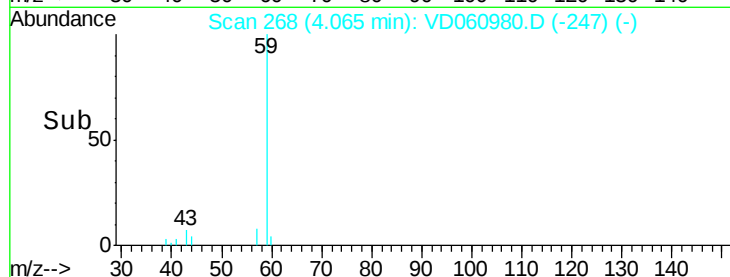
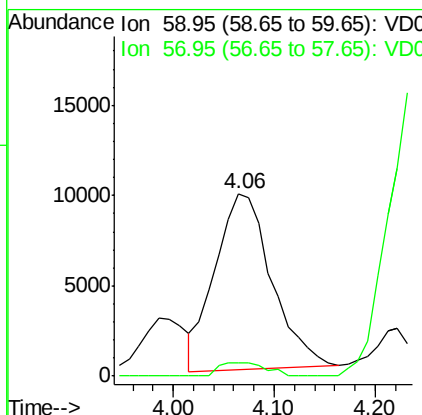
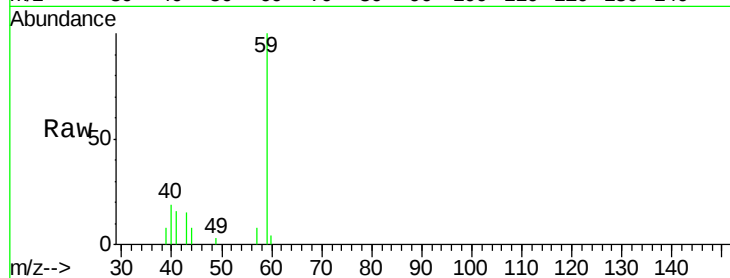


#11

Tert butyl alcohol
 Concen: 102.966 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

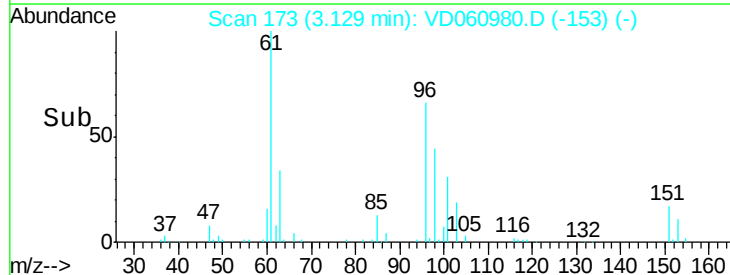
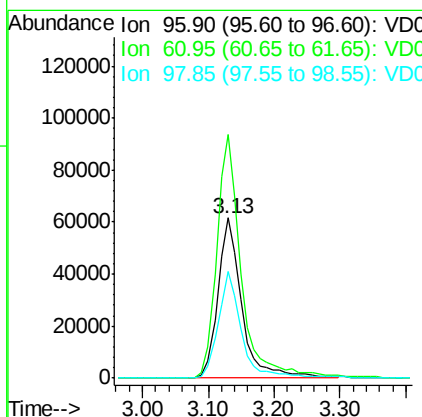
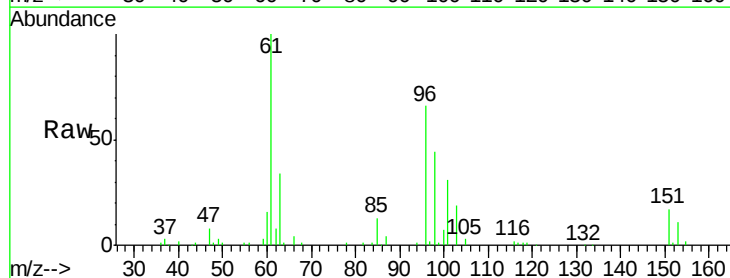
Tot Ion: 59 Resp: 37999
 Ion Ratio Lower Upper
 59 100
 57 7.6 7.1 10.7

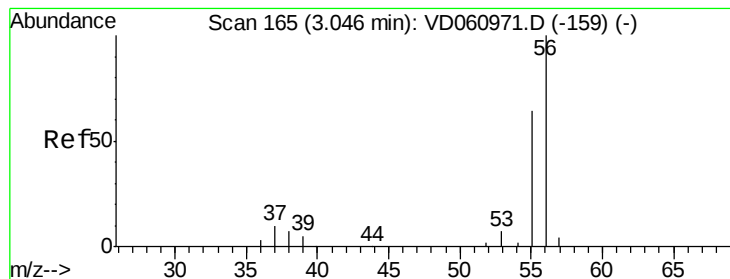


#12

1,1-Dichloroethene
 Concen: 22.382 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion: 96 Resp: 156465
 Ion Ratio Lower Upper
 96 100
 61 152.1 127.1 190.7
 98 67.0 51.5 77.3





#13

Acrolein

Concen: 98.216 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

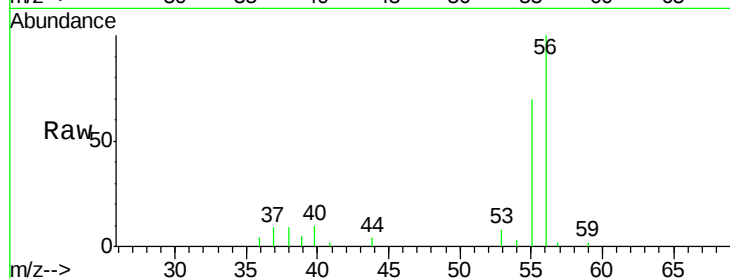
VD0308SBS01

Tot Ion: 56 Resp: 52445

Ion Ratio Lower Upper

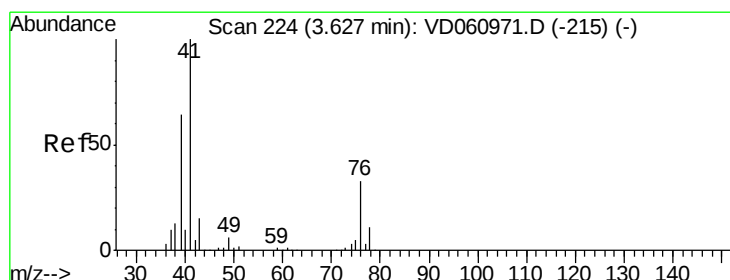
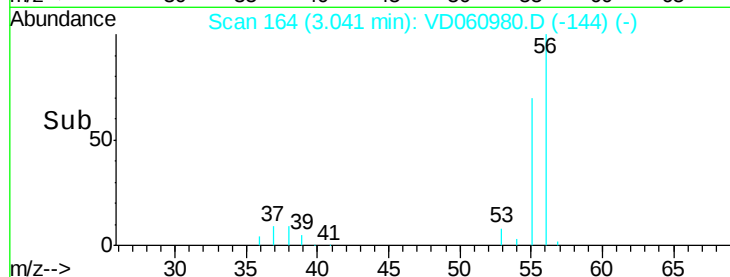
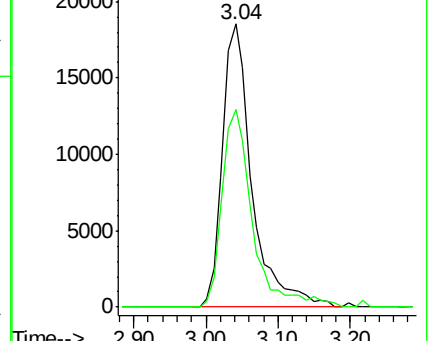
56 100

55 69.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.429 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

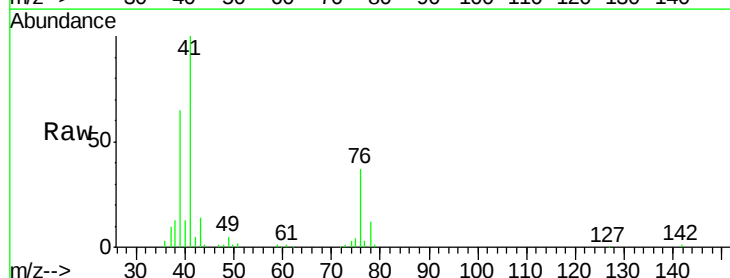
Tgt Ion: 41 Resp: 239683

Ion Ratio Lower Upper

41 100

39 64.6 51.1 76.7

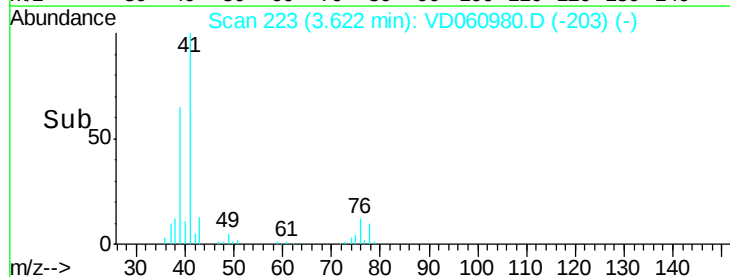
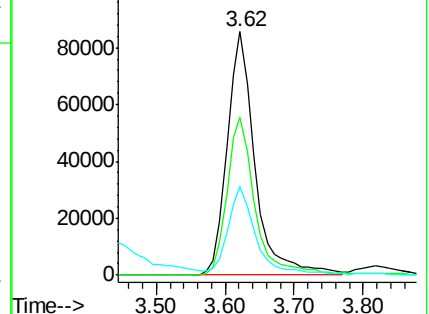
76 36.6 29.1 43.7

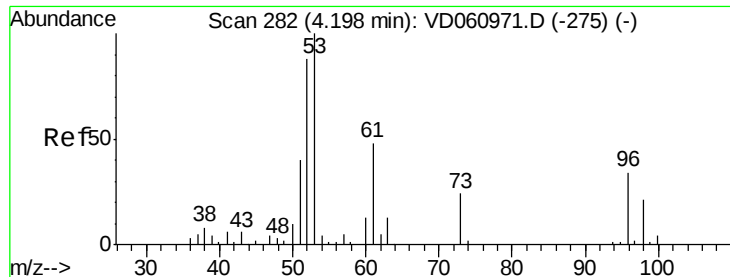


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 108.344 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

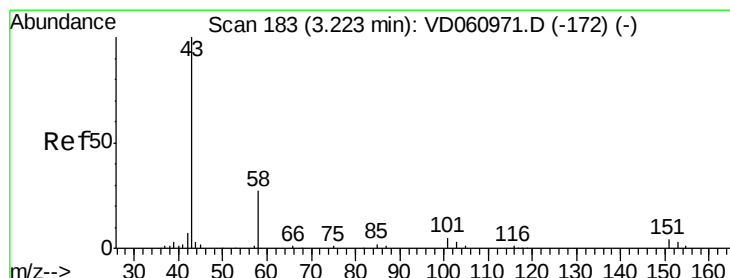
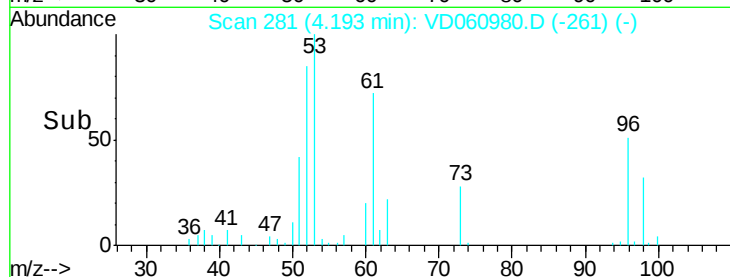
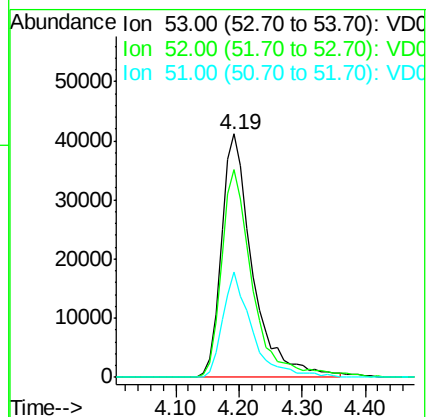
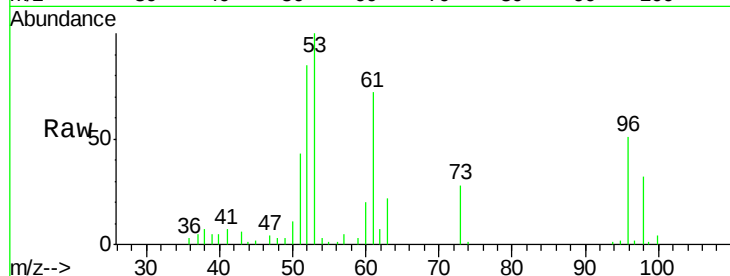
Tot Ion: 53 Resp: 141315

Ion Ratio Lower Upper

53 100

52 85.3 70.2 105.4

51 43.2 31.7 47.5



#16

Acetone

Concen: 94.929 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060980.D

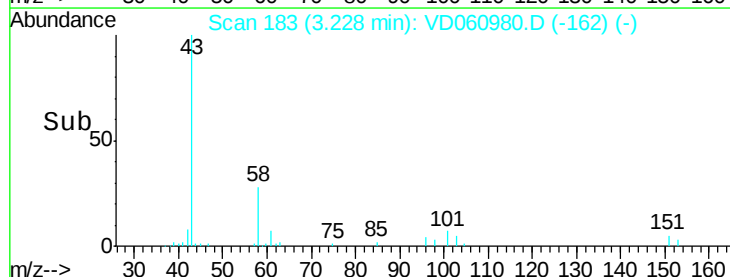
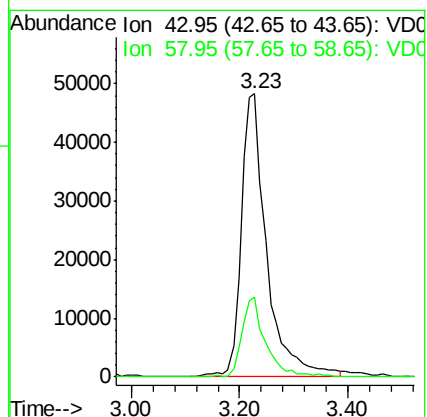
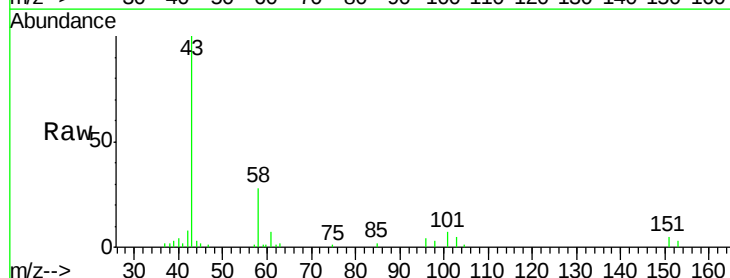
Acq: 8 Mar 2019 13:30

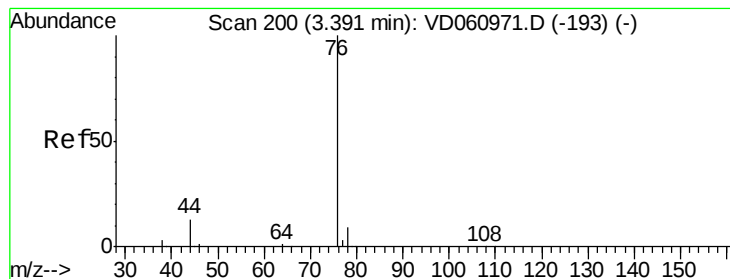
Tgt Ion: 43 Resp: 157363

Ion Ratio Lower Upper

43 100

58 28.2 21.6 32.4





#17

Carbon Disulfide

Concen: 22.519 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

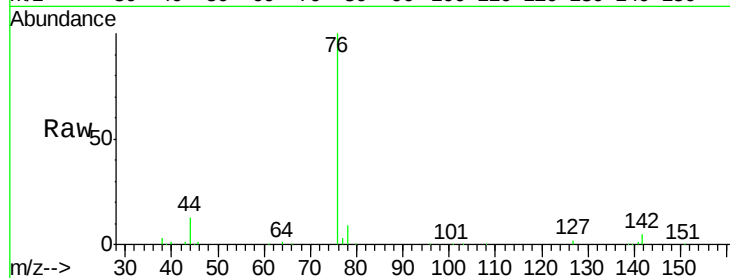
VD0308SBS01

Tot Ion: 76 Resp: 531028

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

200000

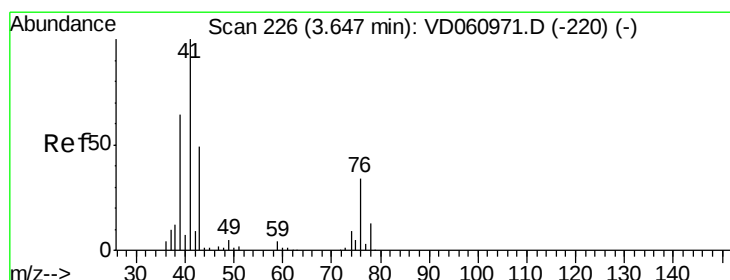
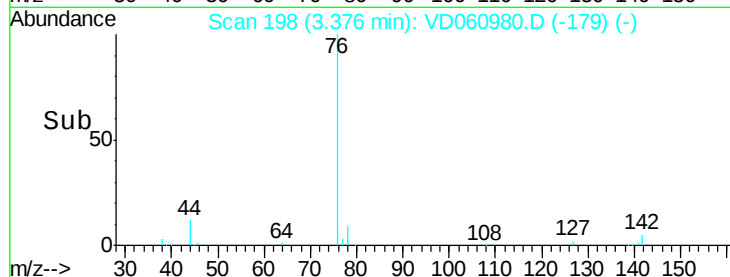
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 19.612 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD060980.D

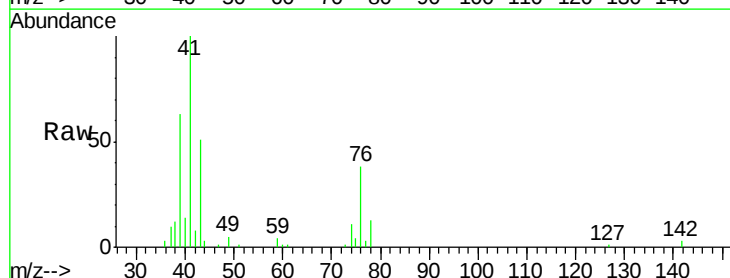
Acq: 8 Mar 2019 13:30

Tgt Ion: 43 Resp: 63979

Ion Ratio Lower Upper

43 100

74 22.3 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

25000

20000

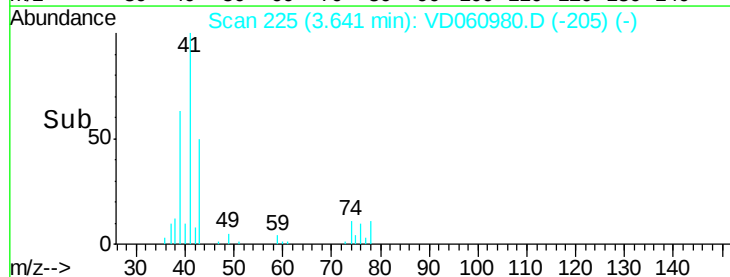
15000

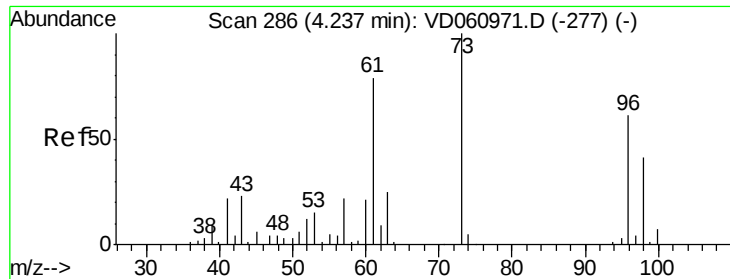
10000

5000

0

Time--> 3.50 3.60 3.70 3.80

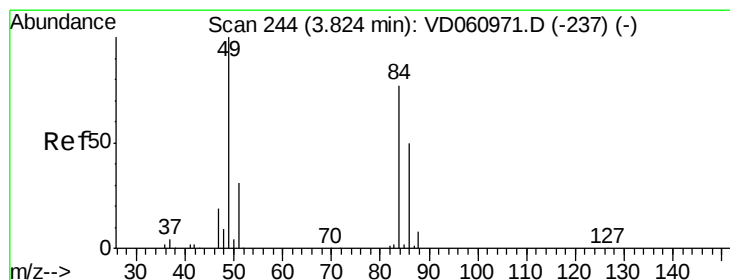
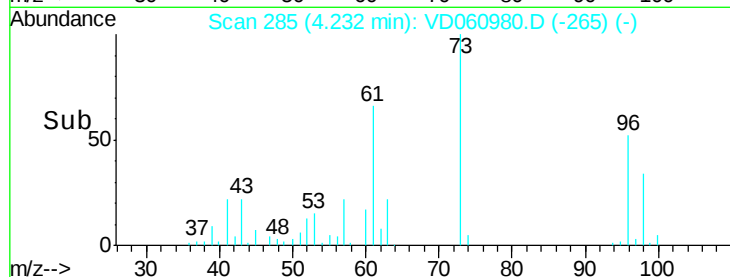
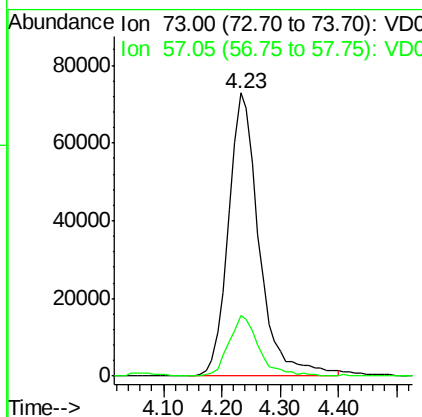
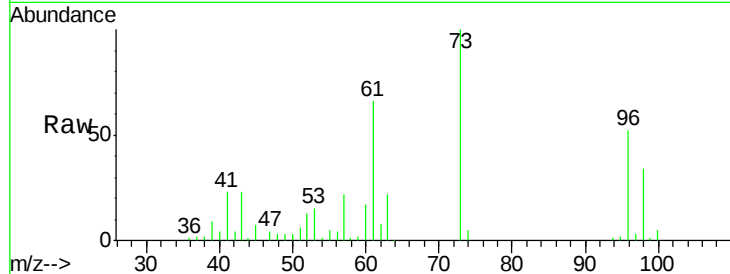




#19
Methyl tert-butyl Ether
Concen: 21.818 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

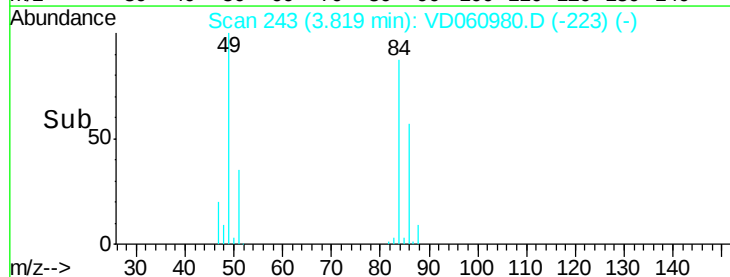
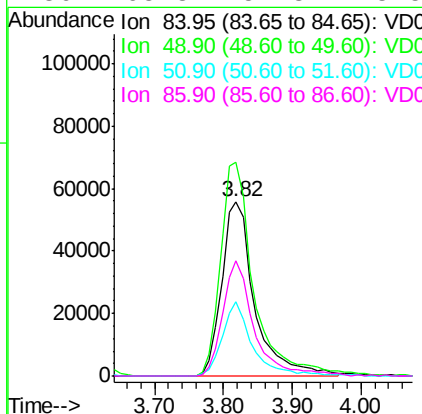
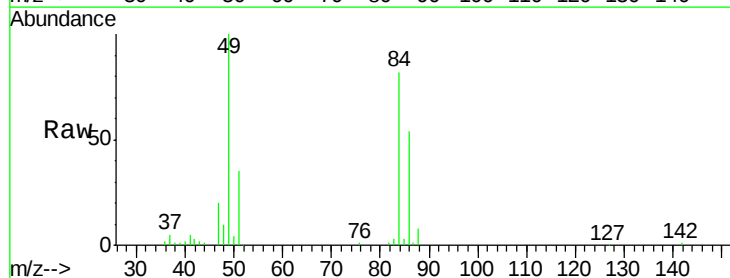
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

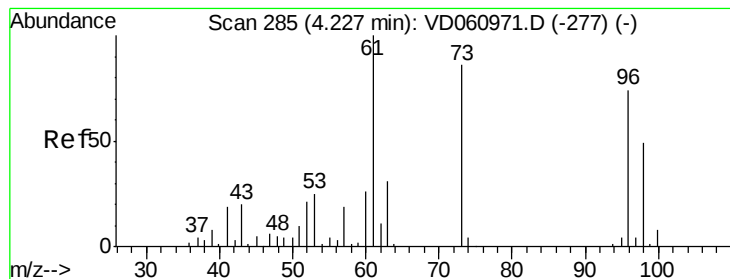
Tot Ion: 73 Resp: 267301
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5



#20
Methylene Chloride
Concen: 21.742 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 84 Resp: 184259
Ion Ratio Lower Upper
84 100
49 122.3 104.2 156.2
51 42.2 32.3 48.5
86 65.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.676 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

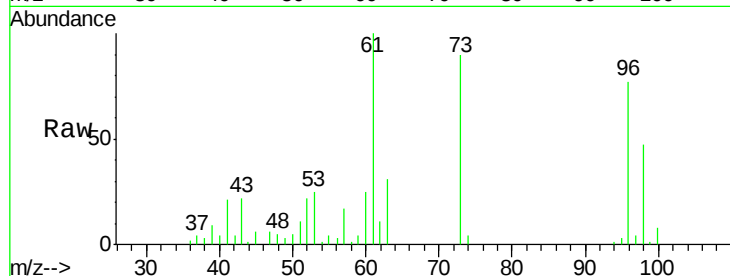
Tot Ion: 96 Resp: 164011

Ion Ratio Lower Upper

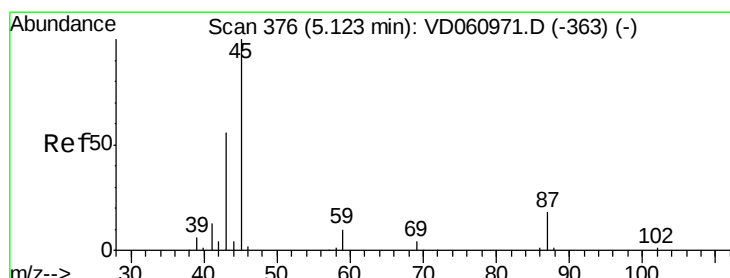
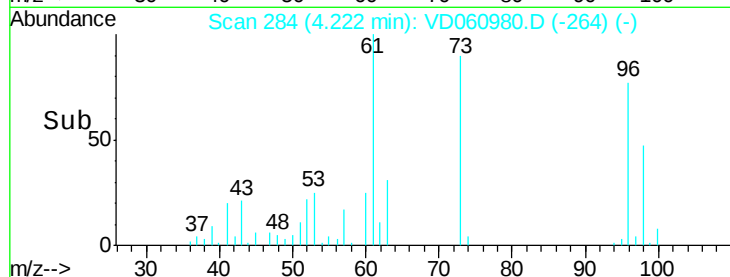
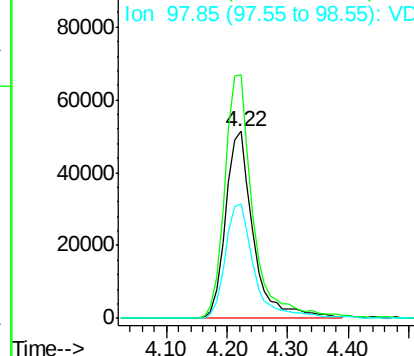
96 100

61 130.0 108.4 162.6

98 61.3 53.0 79.4



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



#22

Diisopropyl ether

Concen: 21.821 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Tgt Ion: 45 Resp: 506672

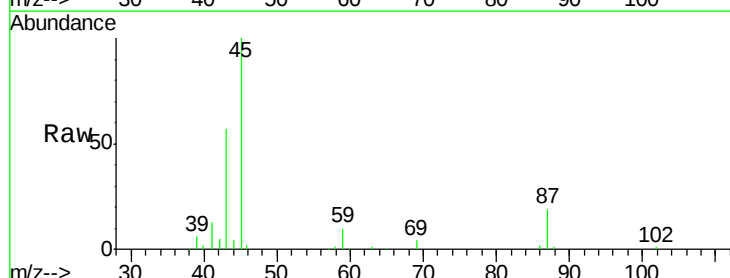
Ion Ratio Lower Upper

45 100

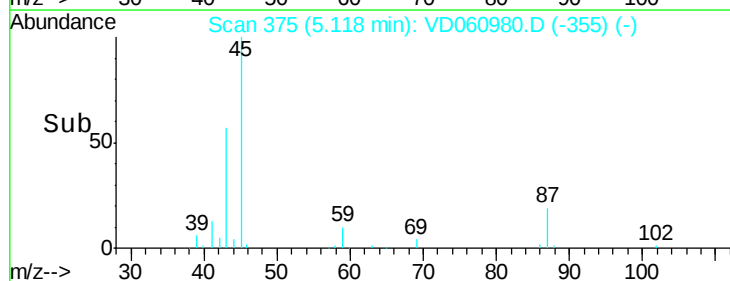
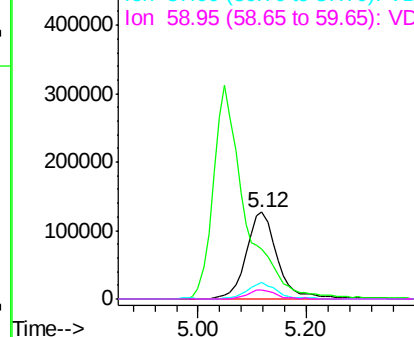
43 57.0 45.8 68.8

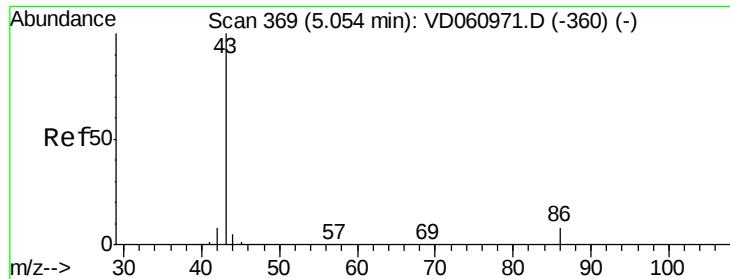
87 19.2 14.9 22.3

59 10.3 8.0 12.0



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





#23

Vinyl Acetate

Concen: 105.735 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

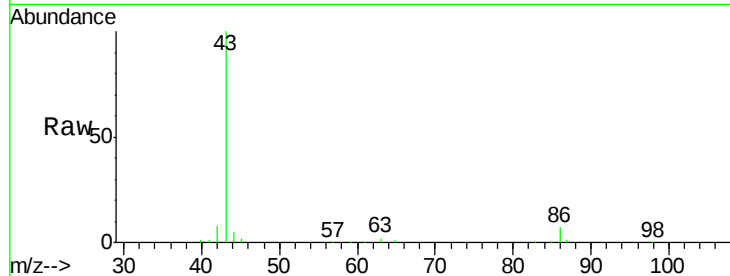
VD0308SBS01

Tot Ion: 43 Resp: 1260303

Ion Ratio Lower Upper

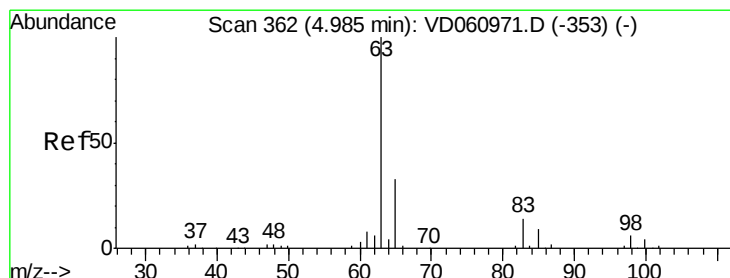
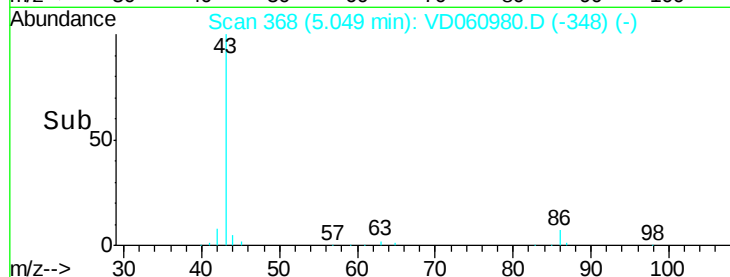
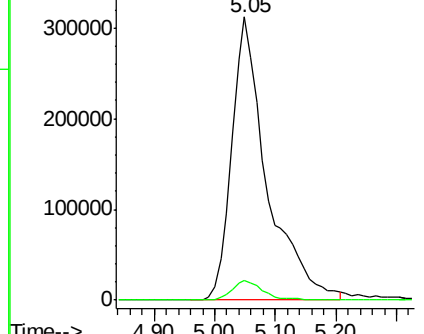
43 100

86 7.1 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.610 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

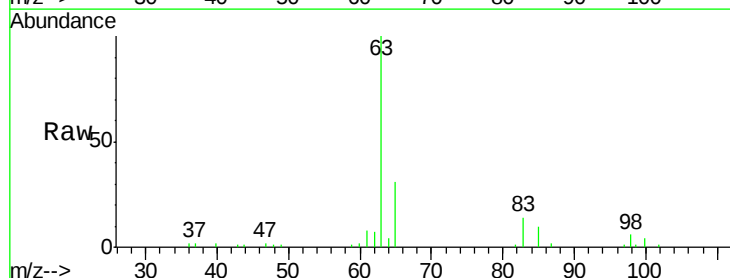
Tgt Ion: 63 Resp: 274922

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

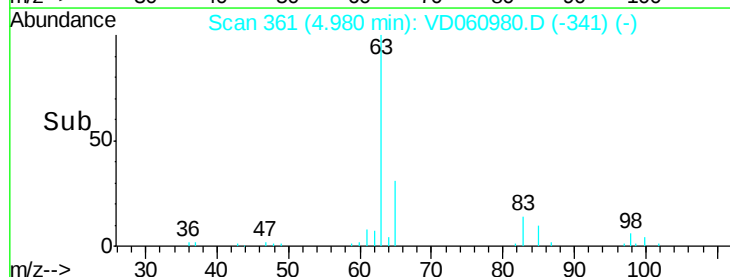
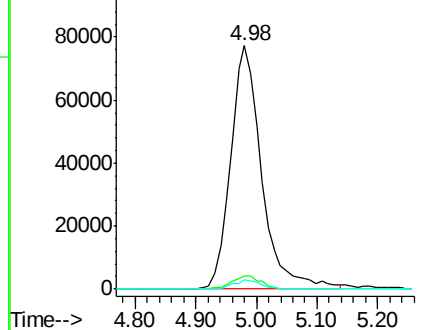
100 4.1 2.0 5.8

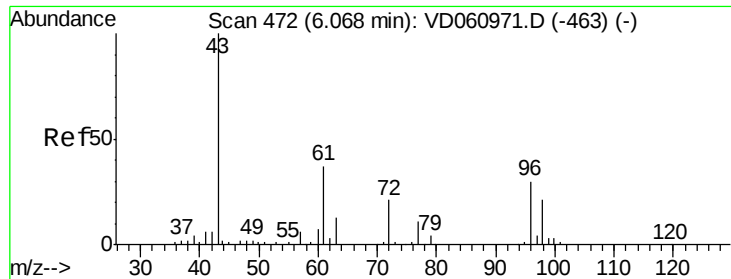


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 112.141 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

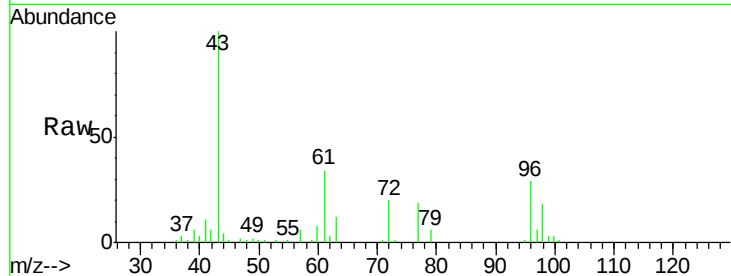
VD0308SBS01

Tot Ion: 43 Resp: 210939

Ion Ratio Lower Upper

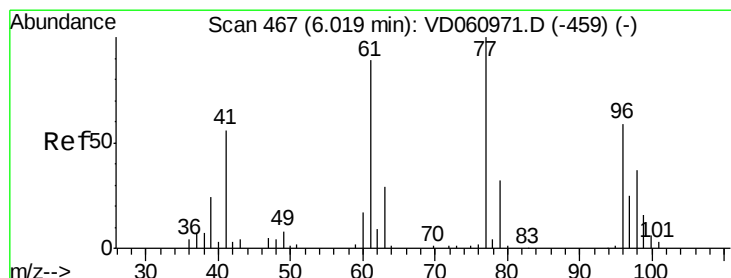
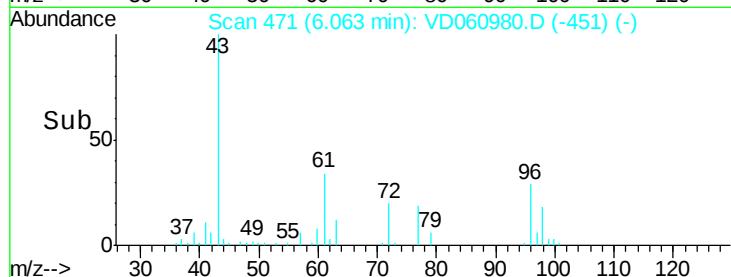
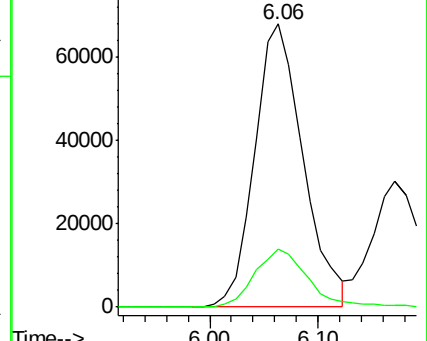
43 100

72 20.5 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.358 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD060980.D

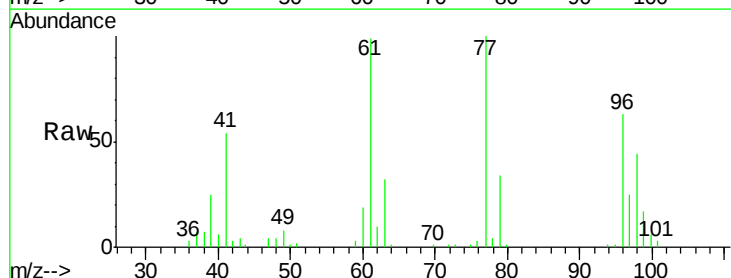
Acq: 8 Mar 2019 13:30

Tgt Ion: 77 Resp: 222045

Ion Ratio Lower Upper

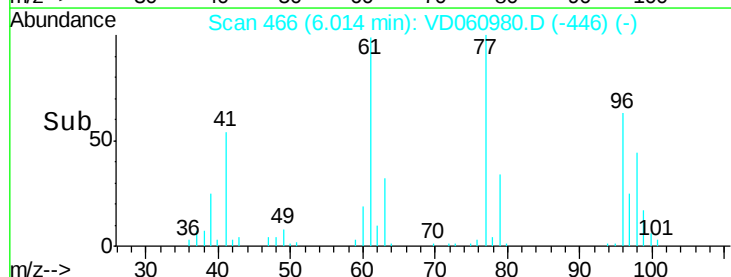
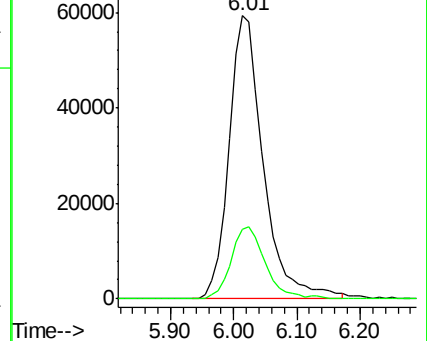
77 100

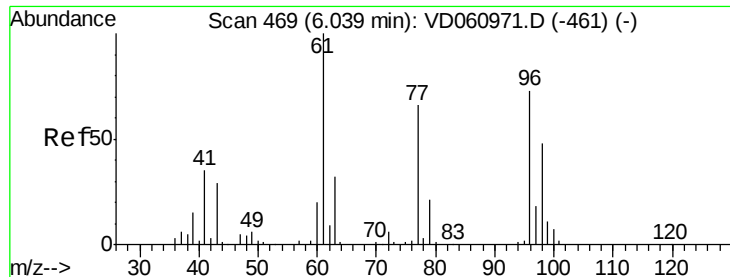
97 24.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



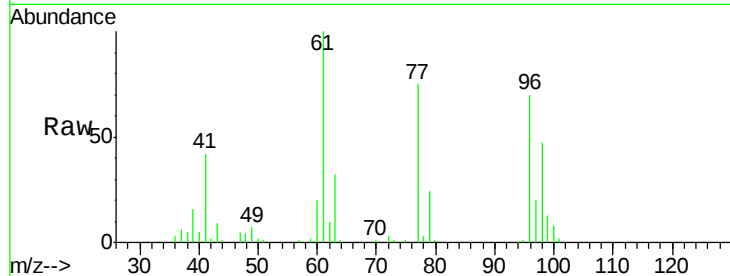


#27

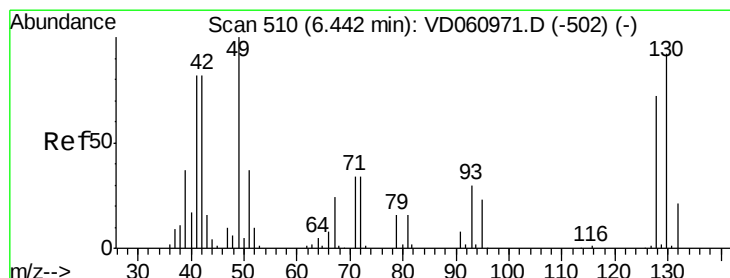
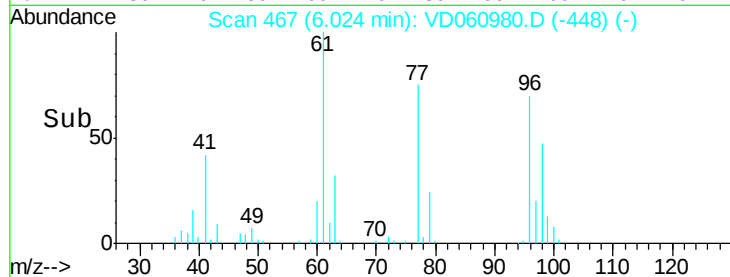
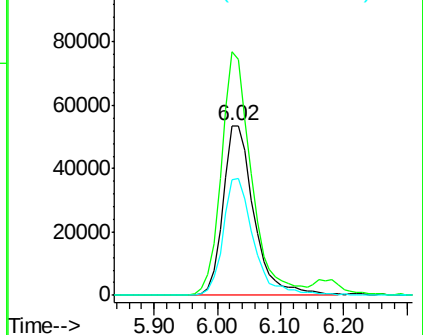
cis-1,2-Dichloroethene
 Concen: 22.717 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

Tot Ion: 96 Resp: 182371
 Ion Ratio Lower Upper
 96 100
 61 143.2 0.0 273.6
 98 67.8 0.0 132.6



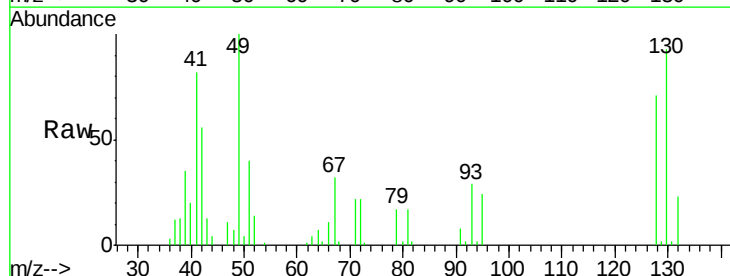
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



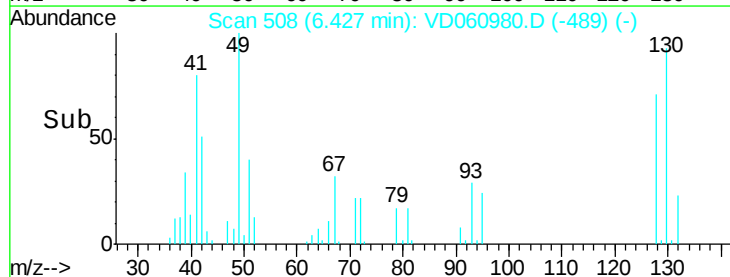
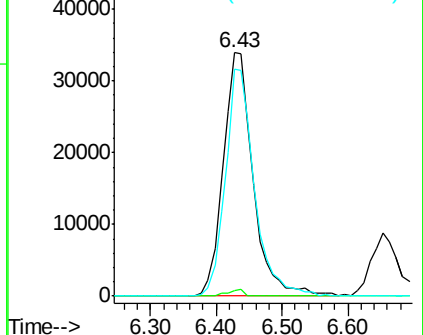
#28

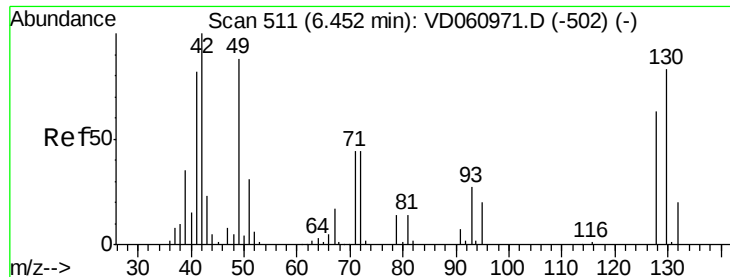
Bromochloromethane
 Concen: 20.020 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion: 49 Resp: 107824
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.0
 130 93.1 73.8 110.8



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

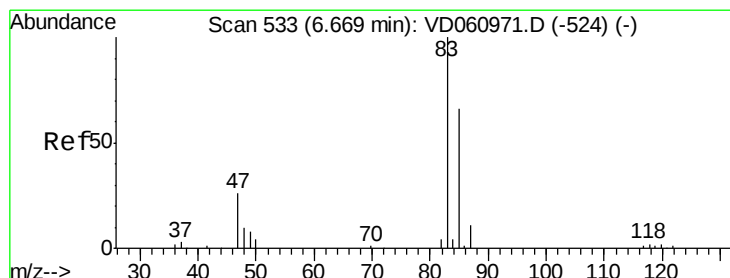
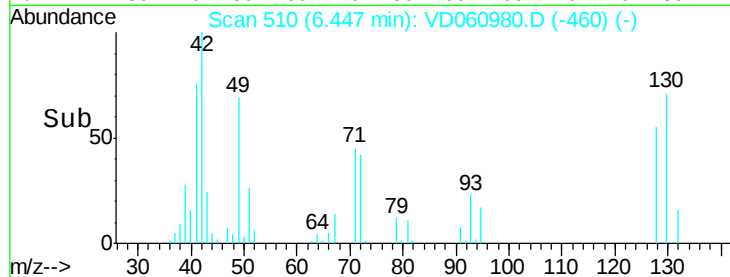
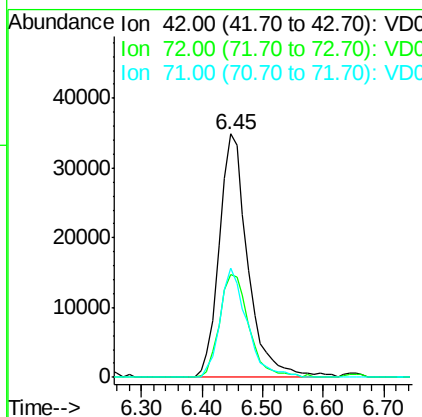
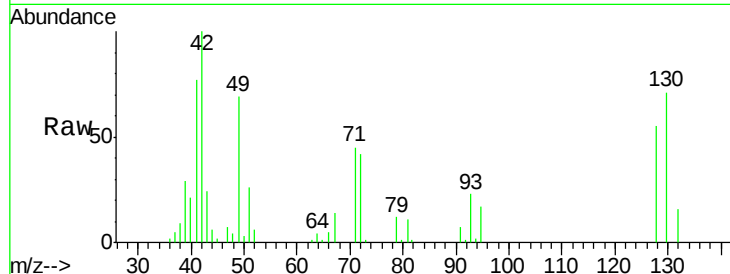




#29
Tetrahydrofuran
Concen: 112.510 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

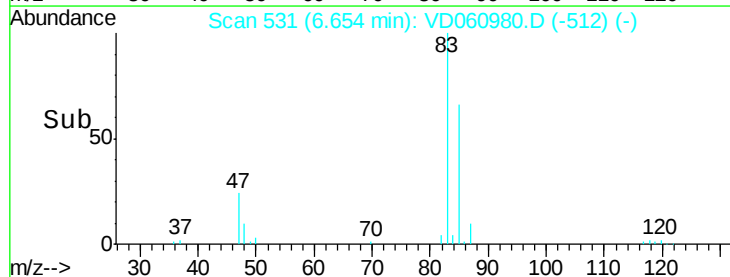
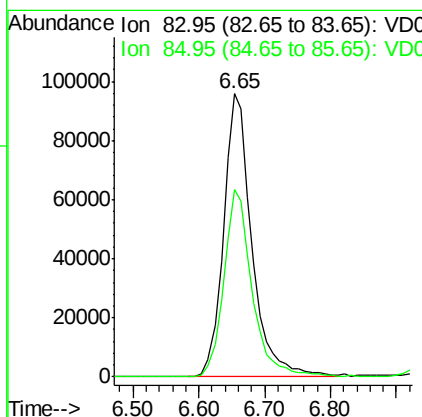
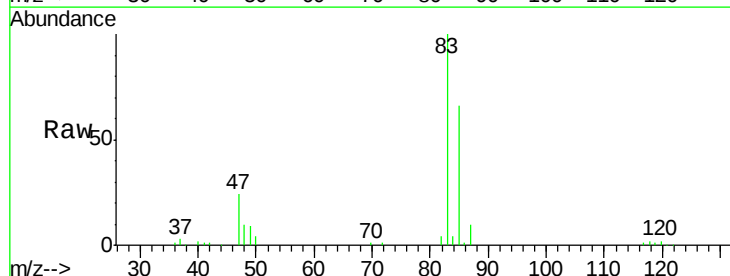
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

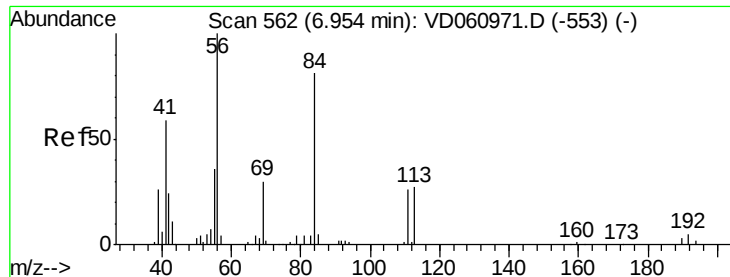
Tot Ion: 42 Resp: 114917
Ion Ratio Lower Upper
42 100
72 43.6 34.5 51.7
71 41.9 33.8 50.6



#30
Chloroform
Concen: 21.776 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 83 Resp: 287113
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.4

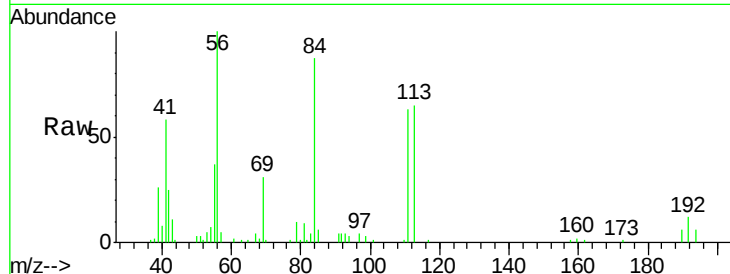




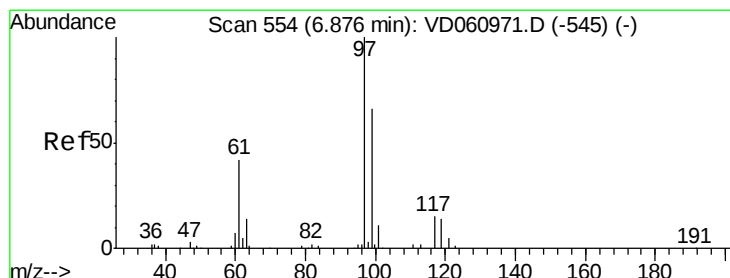
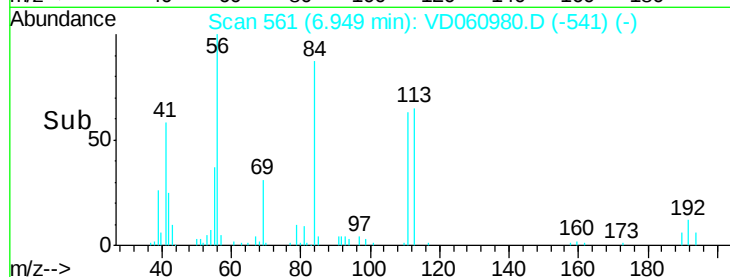
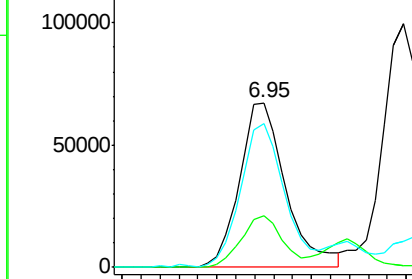
#31
Cyclohexane
Concen: 22.240 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

Tot Ion: 56 Resp: 228141
Ion Ratio Lower Upper
56 100
69 31.0 24.0 36.0
84 87.2 65.8 98.6

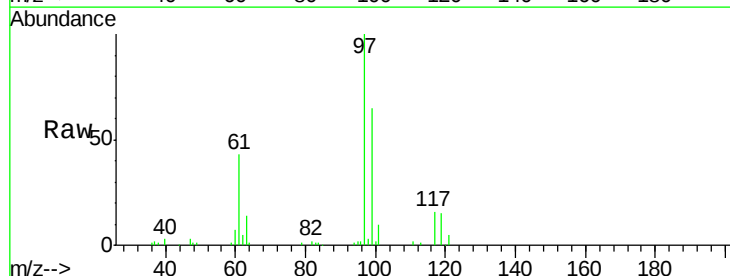


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

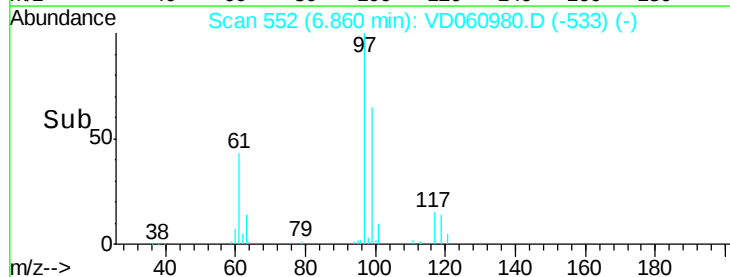
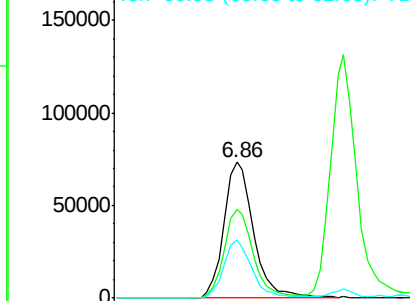


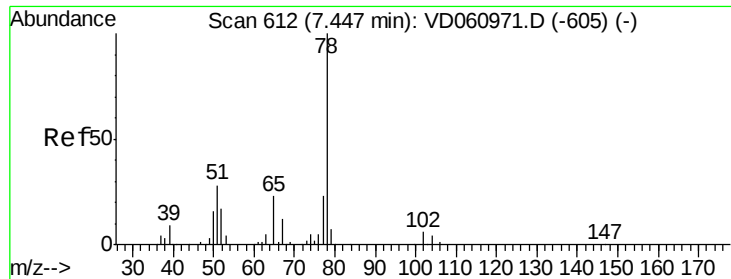
#32
1,1,1-Trichloroethane
Concen: 21.884 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 97 Resp: 249457
Ion Ratio Lower Upper
97 100
99 65.4 53.2 79.8
61 42.5 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 21.884 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

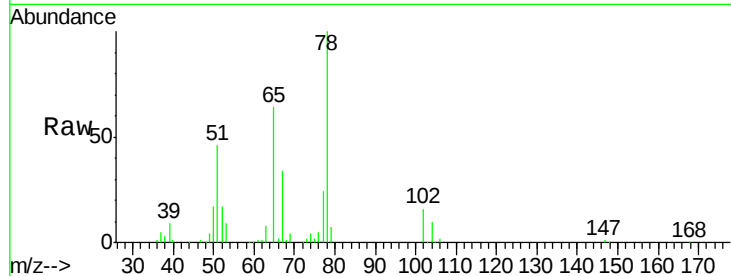
VD0308SBS01

Tot Ion: 65 Resp: 317140

Ion Ratio Lower Upper

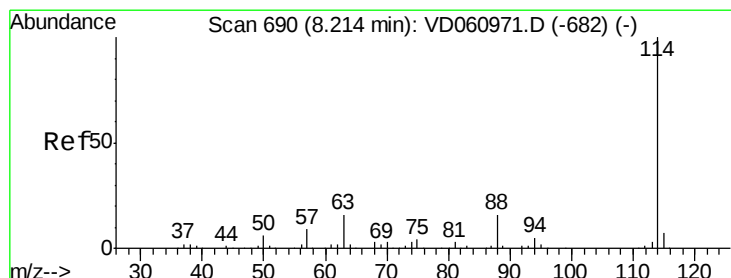
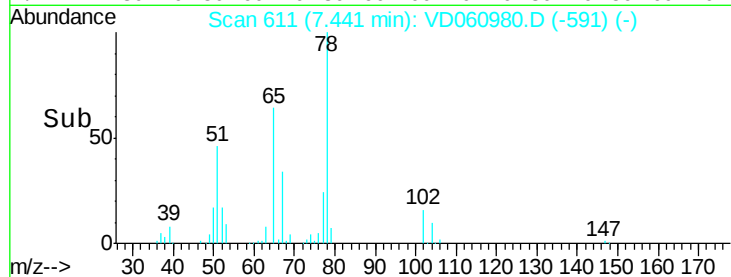
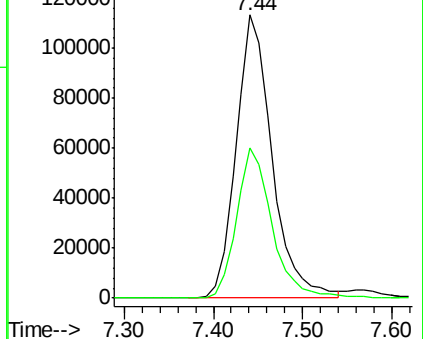
65 100

67 52.9 0.0 105.2



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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

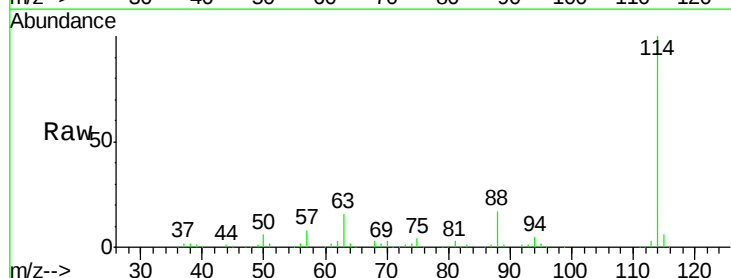
Tgt Ion: 114 Resp: 1227414

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

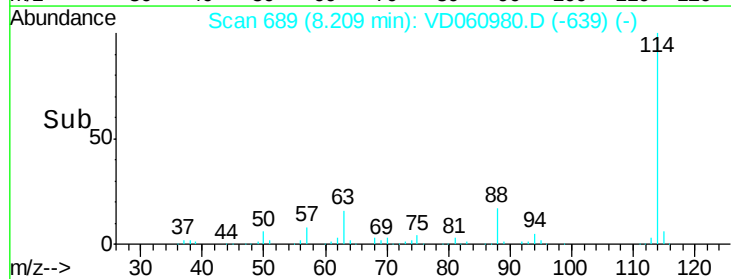
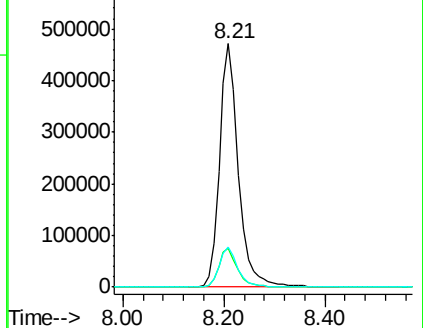
88 16.6 0.0 33.0

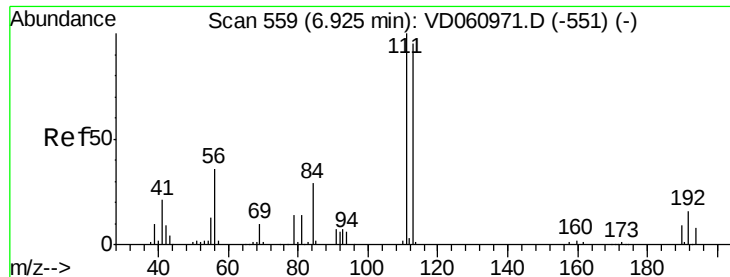


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

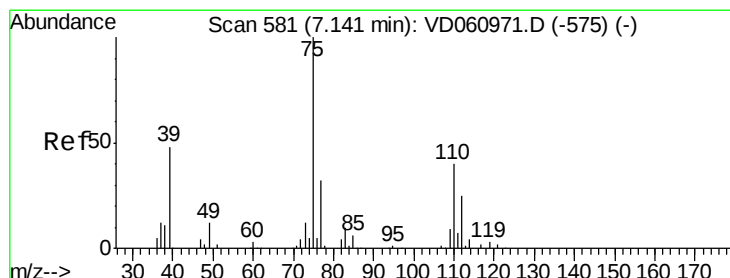
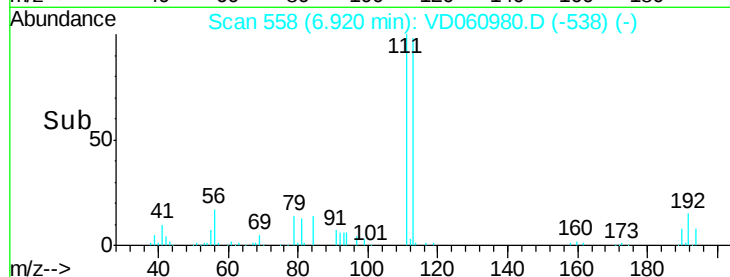
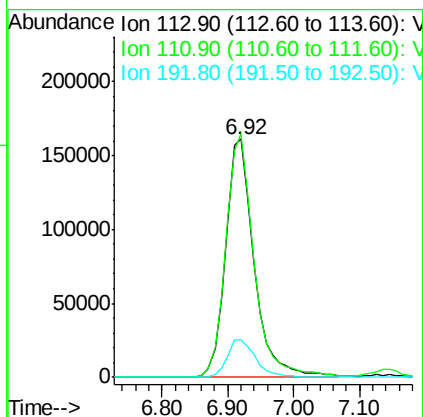
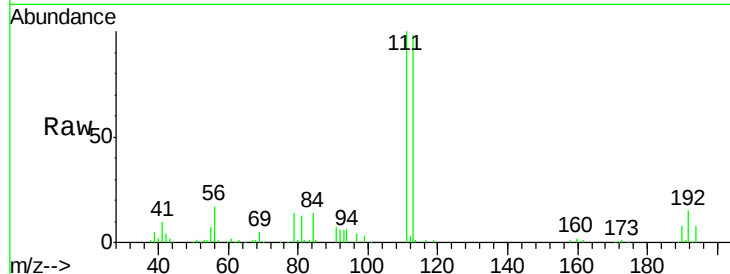




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

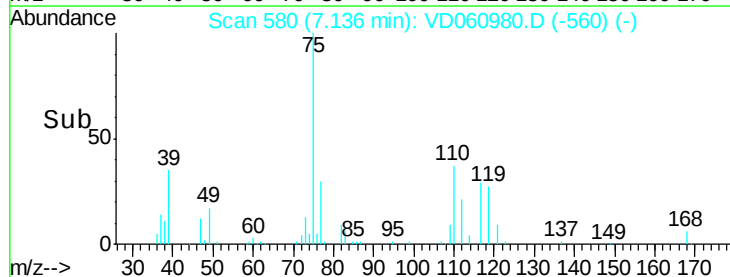
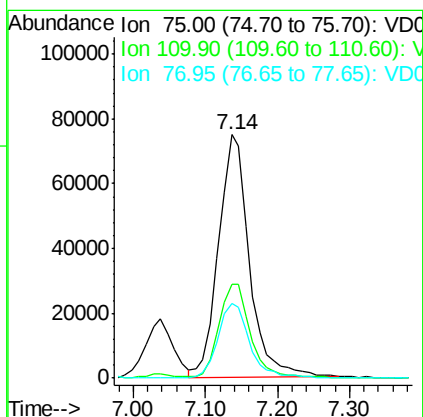
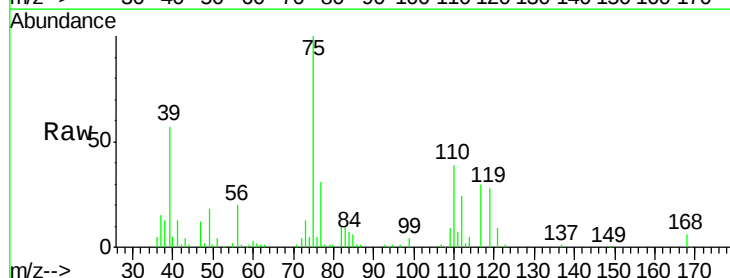
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

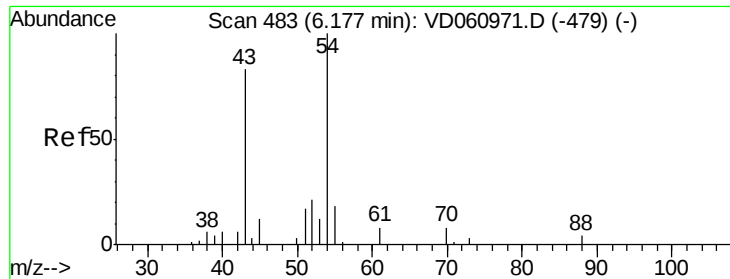
Tot Ion:113 Resp: 491120
Ion Ratio Lower Upper
113 100
111 102.3 84.2 126.4
192 15.7 13.1 19.7



#36
1,1-Dichloropropene
Concen: 20.866 ug/l
RT: 7.14 min Scan# 580
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 75 Resp: 220767
Ion Ratio Lower Upper
75 100
110 38.6 19.7 59.1
77 30.7 24.7 37.1

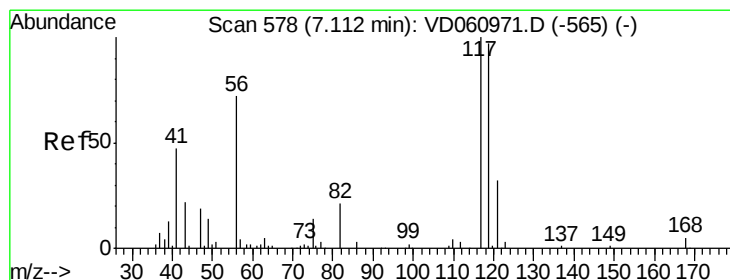
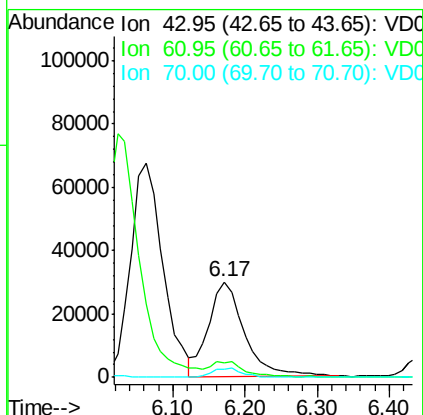
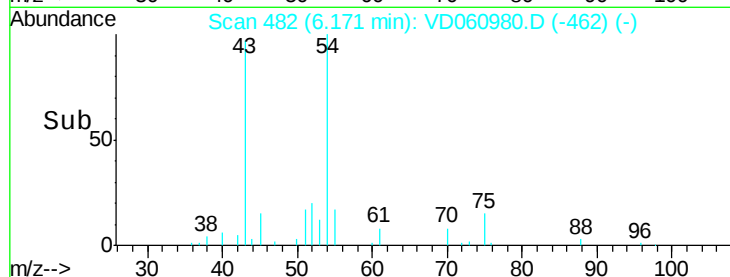
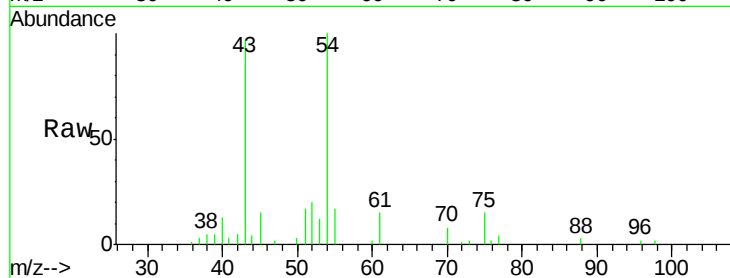




#37
Ethyl Acetate
Concen: 20.615 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

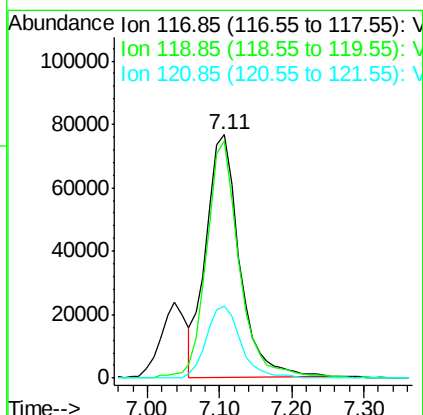
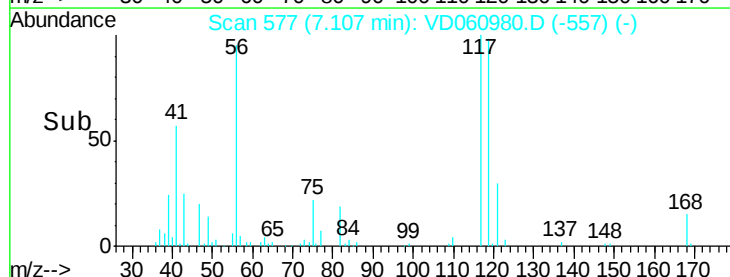
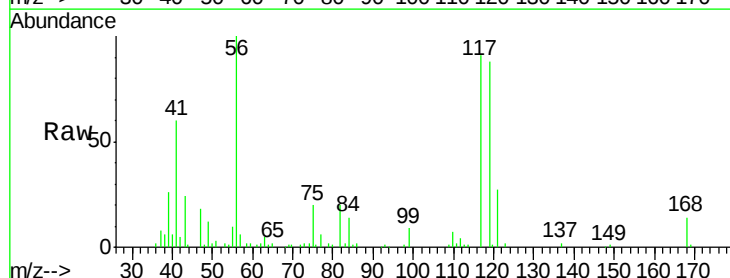
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

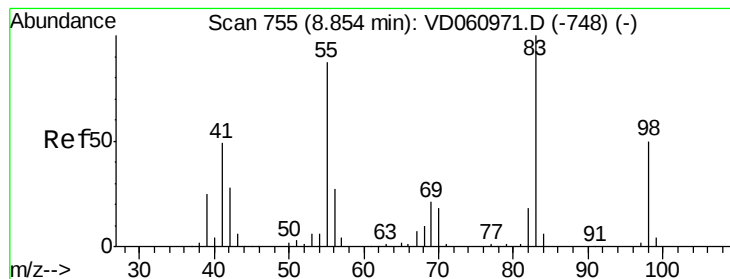
Tot Ion: 43 Resp: 102350
Ion Ratio Lower Upper
43 100
61 15.0 13.7 20.5
70 7.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.017 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 117 Resp: 244939
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
121 29.7 25.3 37.9





#39

Methvlcvclohexane

Concen: 20.116 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

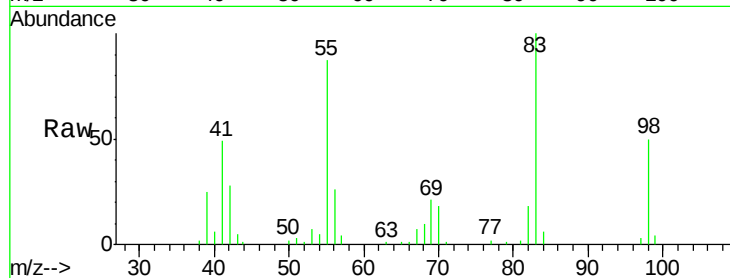
Tot Ion: 83 Resp: 220691

Ion Ratio Lower Upper

83 100

55 87.1 69.6 104.4

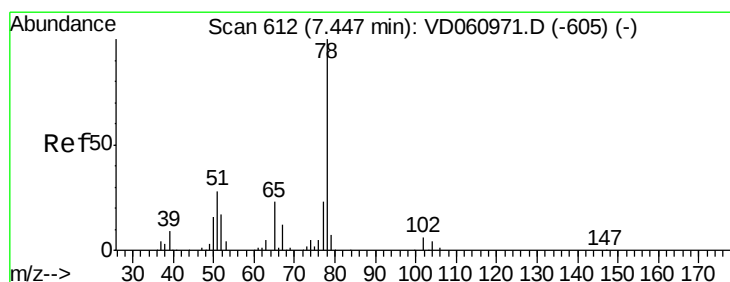
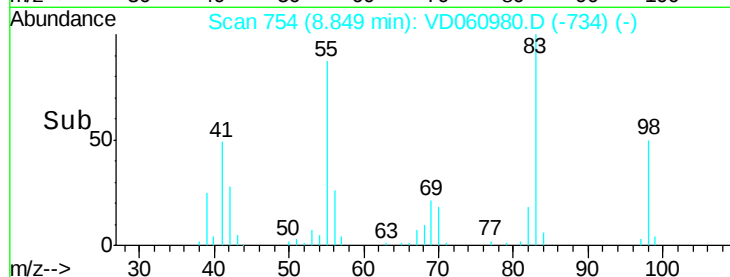
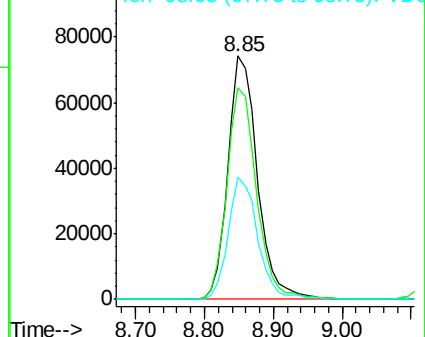
98 50.3 40.0 60.0



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: 20.761 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060980.D

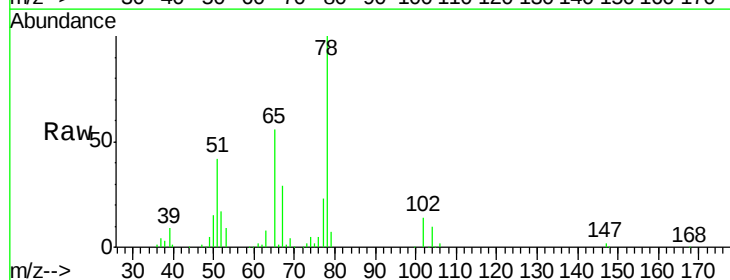
Acq: 8 Mar 2019 13:30

Tgt Ion: 78 Resp: 548870

Ion Ratio Lower Upper

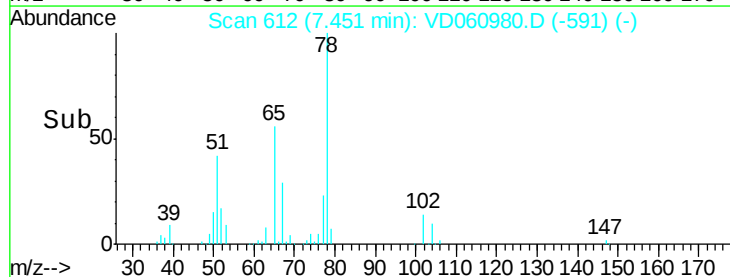
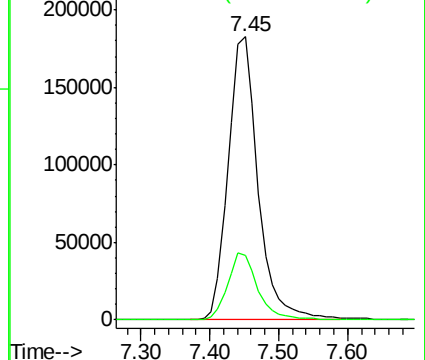
78 100

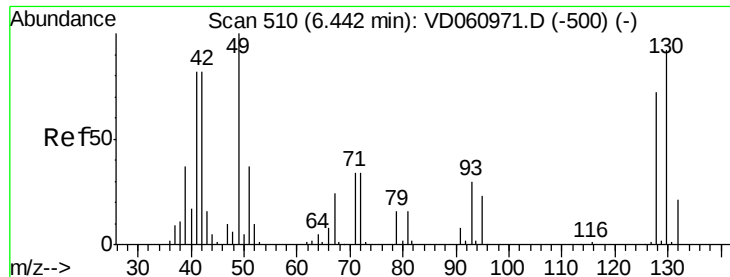
77 22.8 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.566 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

Tot Ion: 41 Resp: 117446

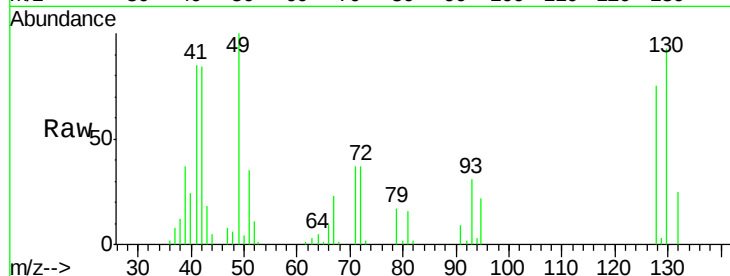
Ion Ratio Lower Upper

41 100

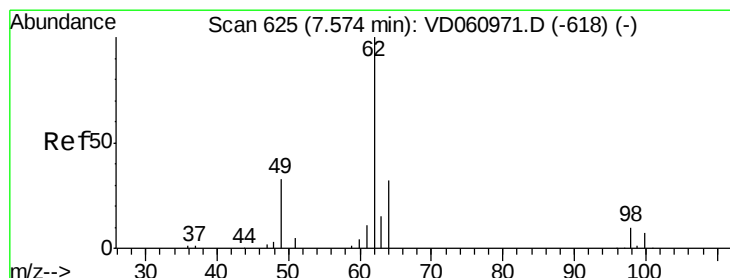
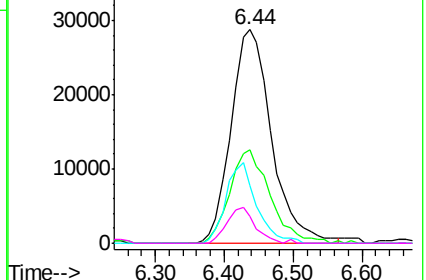
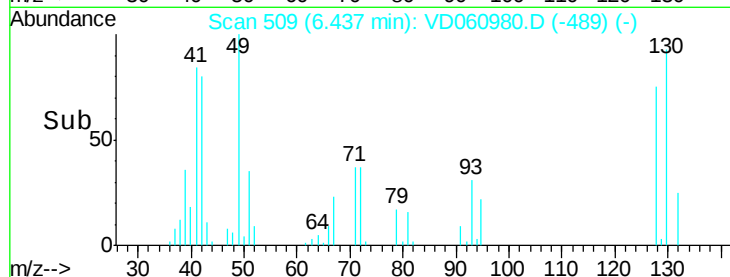
39 43.8 35.7 53.5

67 26.9 23.0 34.6

52 12.7 9.2 13.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.896 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD060980.D

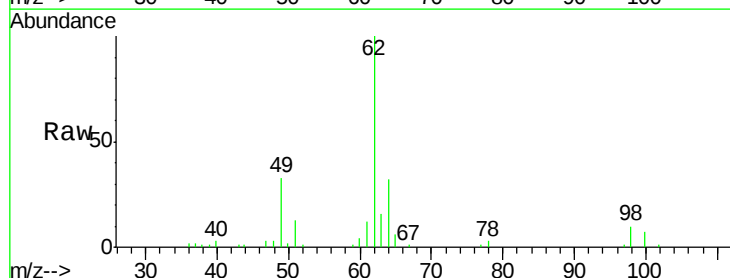
Acq: 8 Mar 2019 13:30

Tgt Ion: 62 Resp: 160315

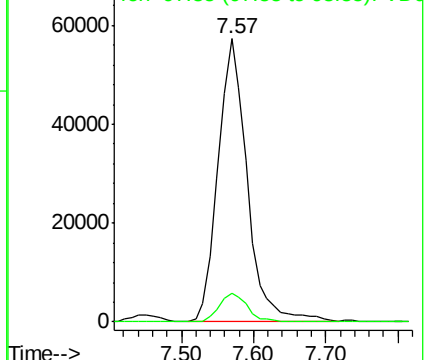
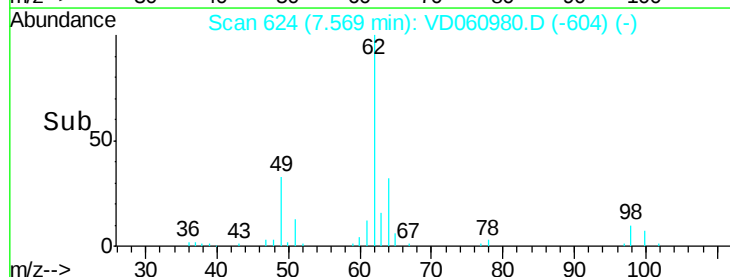
Ion Ratio Lower Upper

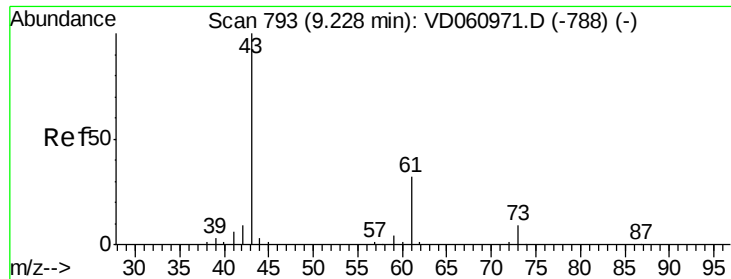
62 100

98 10.0 0.0 20.4



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



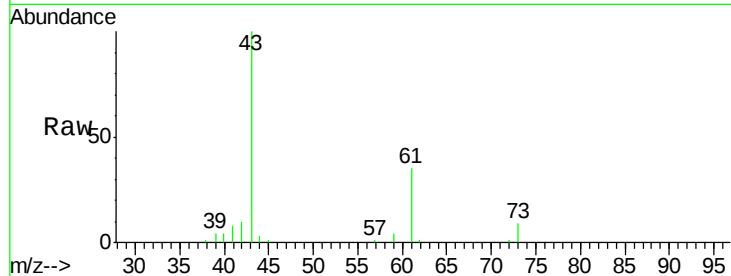


#43

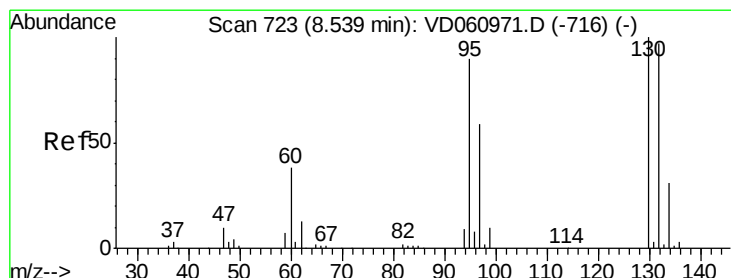
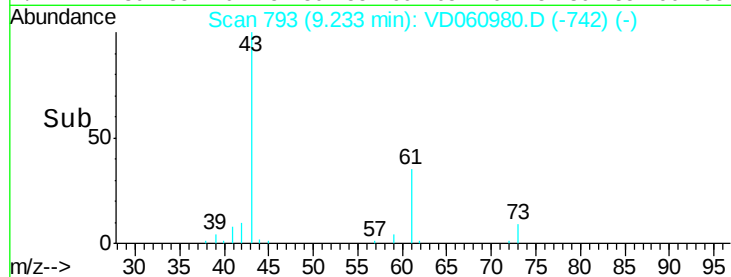
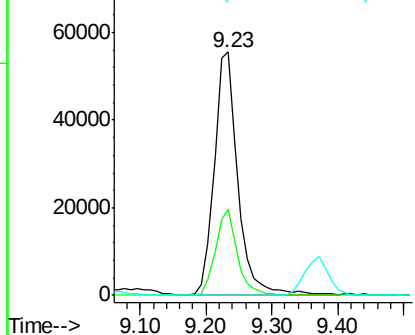
Isopropyl Acetate
 Concen: 20.065 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

Tot Ion: 43 Resp: 137980
 Ion Ratio Lower Upper
 43 100
 61 35.4 25.6 38.4
 87 0.0 0.2 0.4#



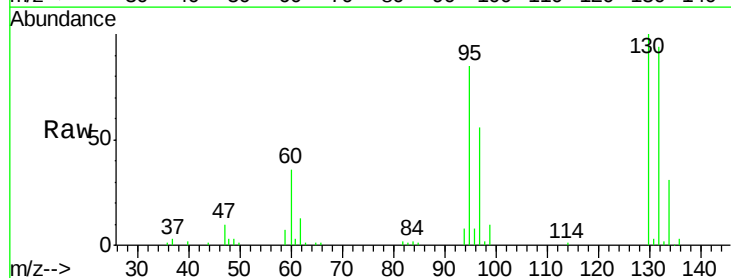
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



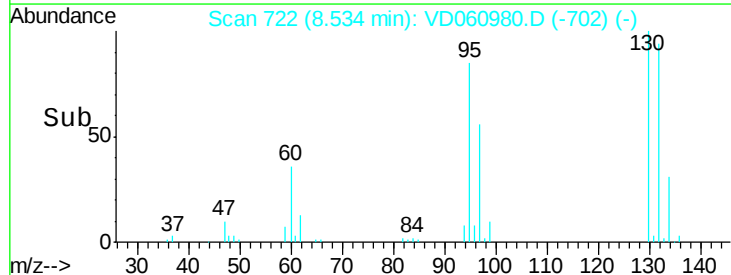
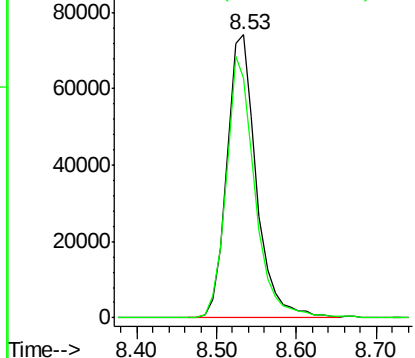
#44

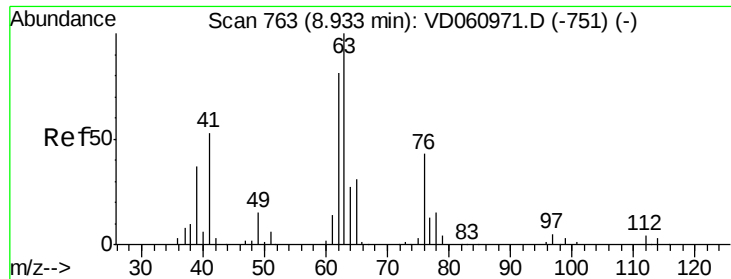
Trichloroethene
 Concen: 21.041 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion:130 Resp: 191909
 Ion Ratio Lower Upper
 130 100
 95 85.0 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 20.148 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

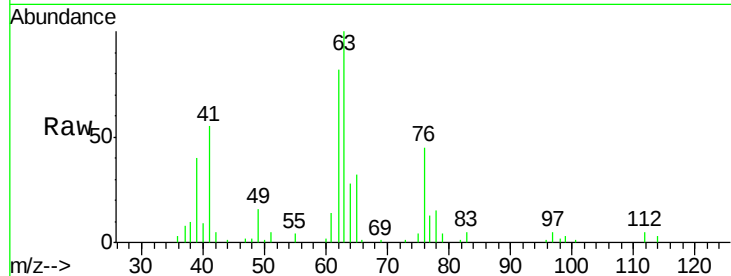
VD0308SBS01

Tot Ion: 63 Resp: 139942

Ion Ratio Lower Upper

63 100

65 32.3 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

60000

50000

40000

30000

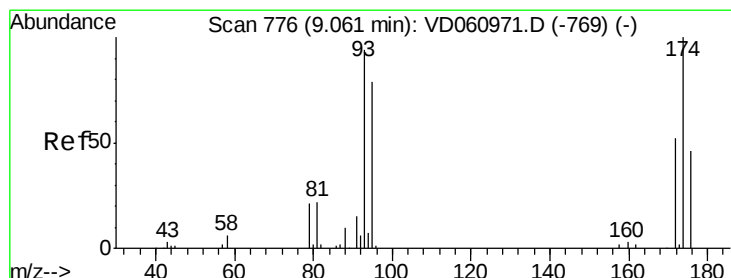
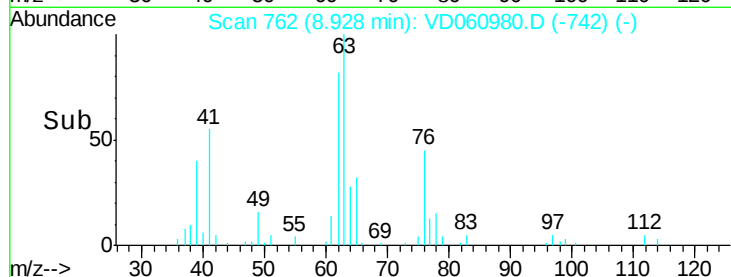
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 19.140 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

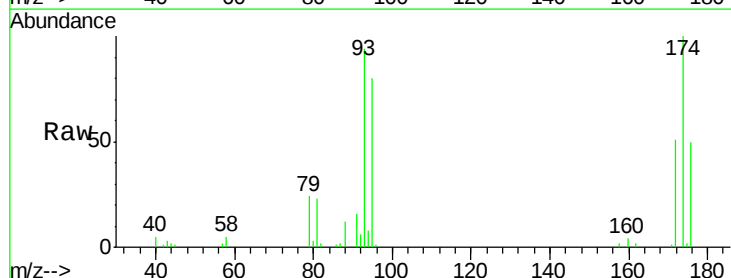
Tgt Ion: 93 Resp: 84326

Ion Ratio Lower Upper

93 100

95 85.0 67.4 101.0

174 106.7 85.4 128.0



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

50000

40000

30000

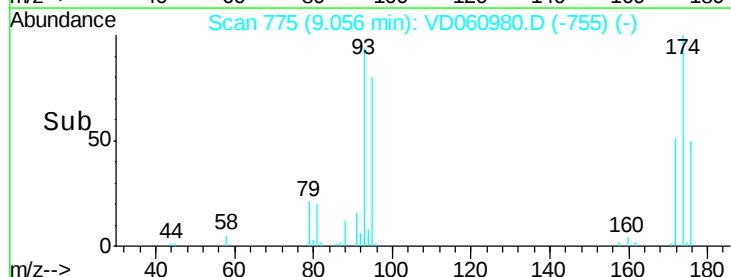
20000

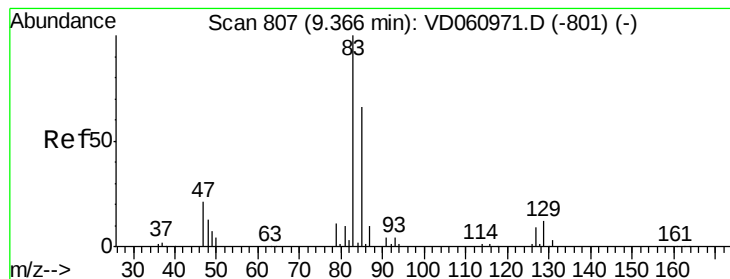
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 20.411 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

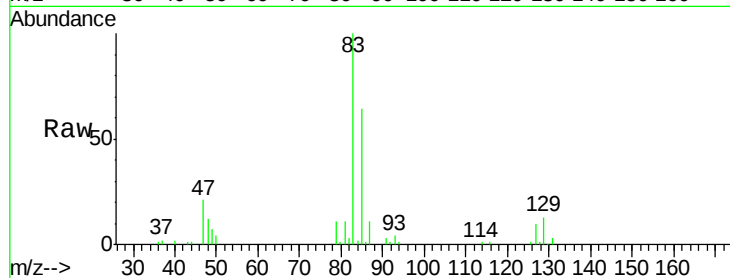
Tot Ion: 83 Resp: 202930

Ion Ratio Lower Upper

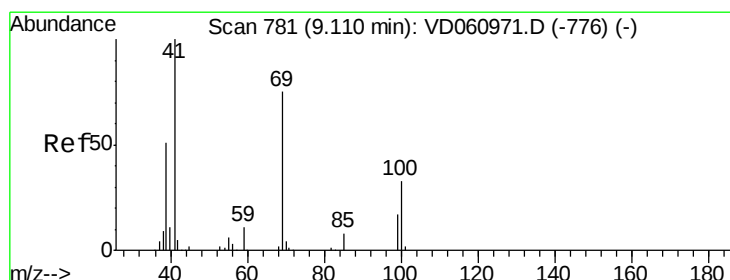
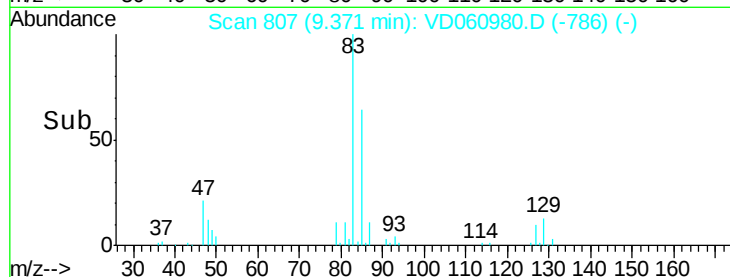
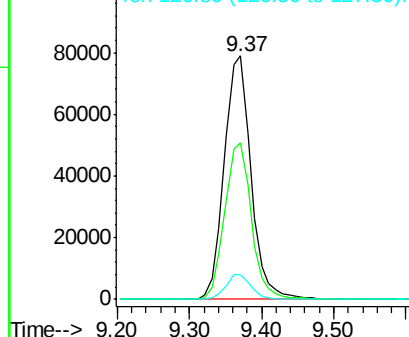
83 100

85 64.5 52.5 78.7

127 10.3 7.5 11.3



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



#48

Methyl methacrylate

Concen: 20.052 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

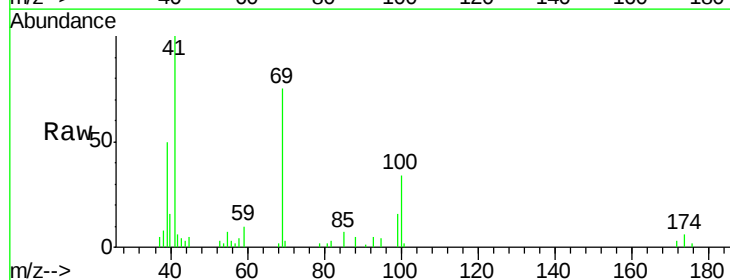
Tgt Ion: 41 Resp: 77636

Ion Ratio Lower Upper

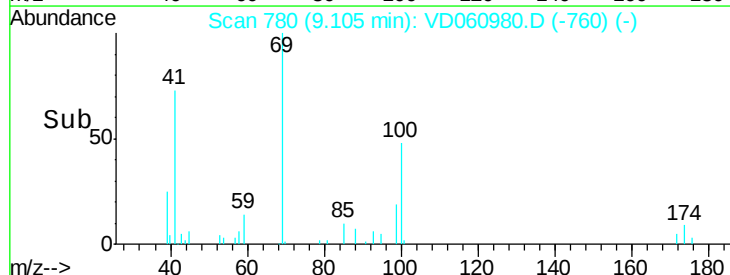
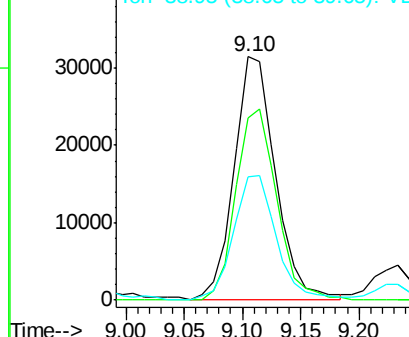
41 100

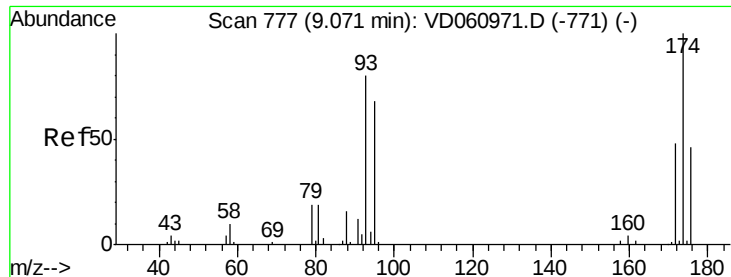
69 74.8 59.9 89.9

39 50.4 40.9 61.3



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

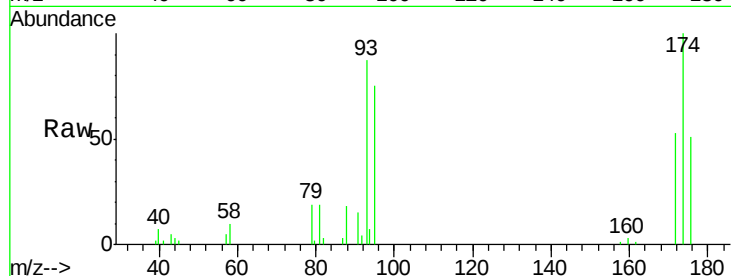




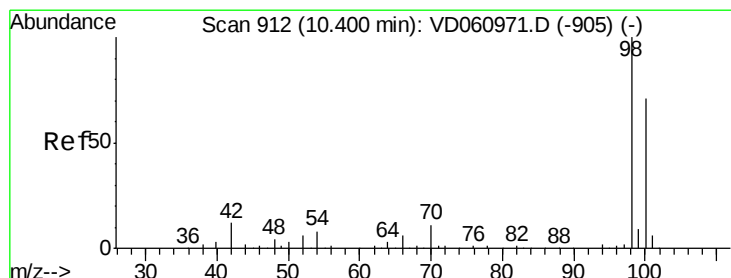
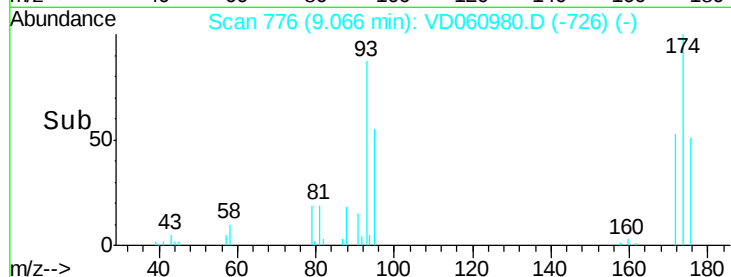
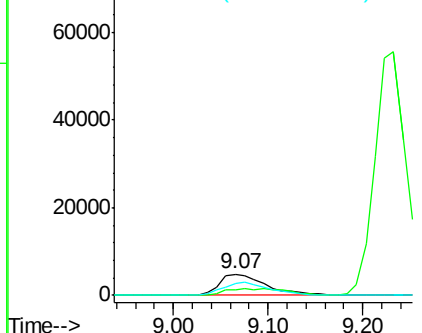
#49
1,4-Dioxane
Concen: 406.817 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

Tot Ion: 88 Resp: 15927
Ion Ratio Lower Upper
88 100
43 26.9 21.0 31.6
58 58.8 48.6 72.8

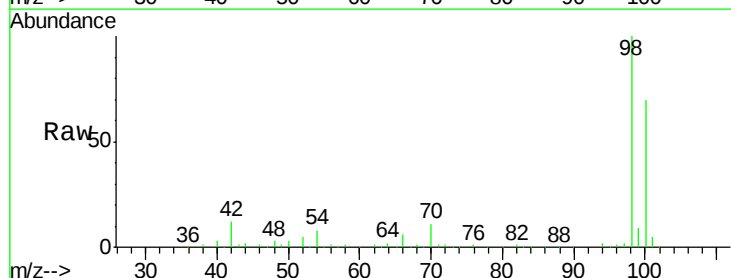


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

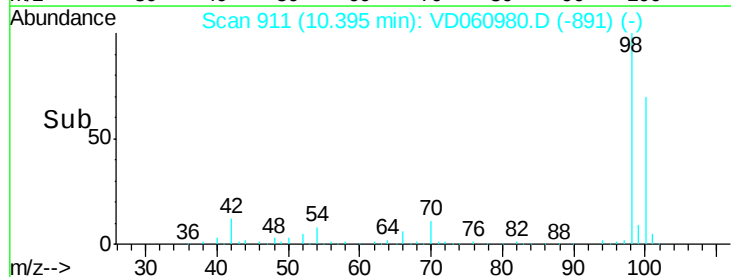
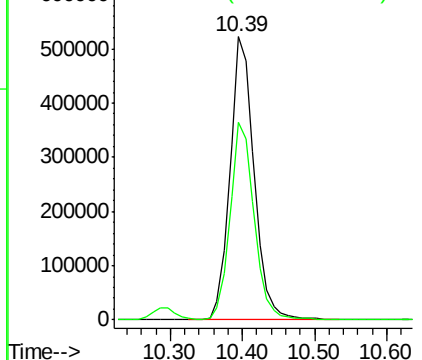


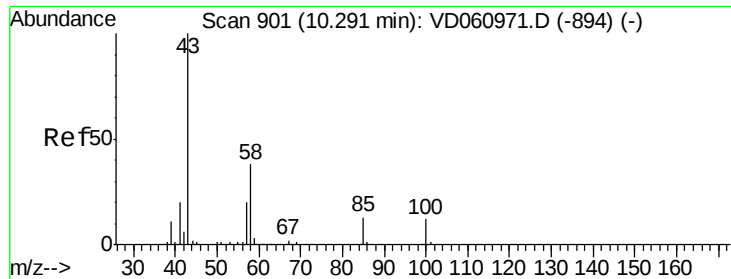
#50
Toluene-d8
Concen: 406.817 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 98 Resp: 1216202
Ion Ratio Lower Upper
98 100
100 69.8 57.4 86.2



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

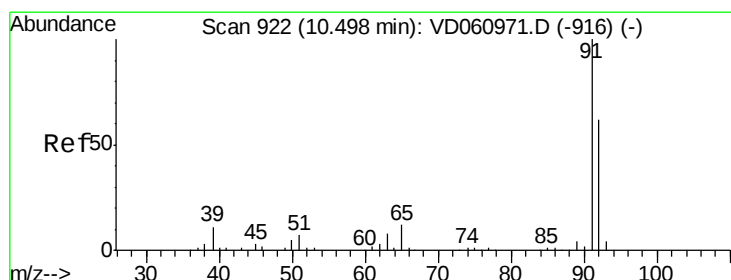
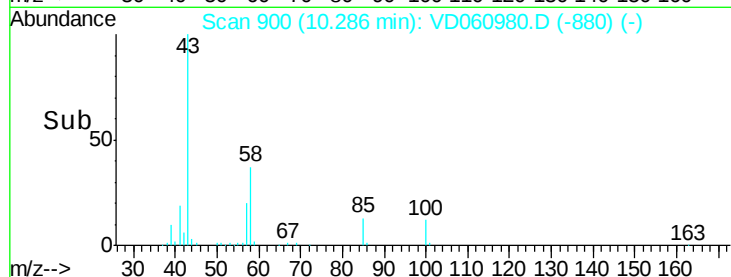
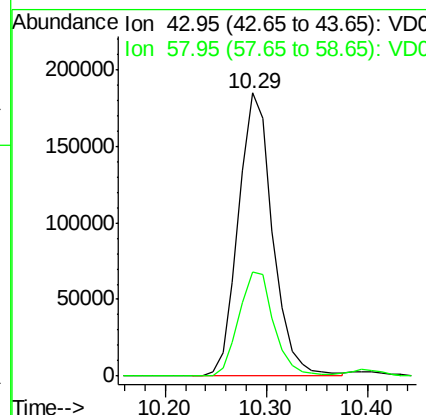
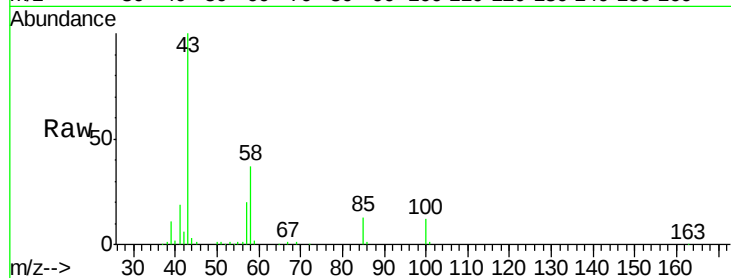




#51
4-Methyl-2-Pentanone
Concen: 103.577 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

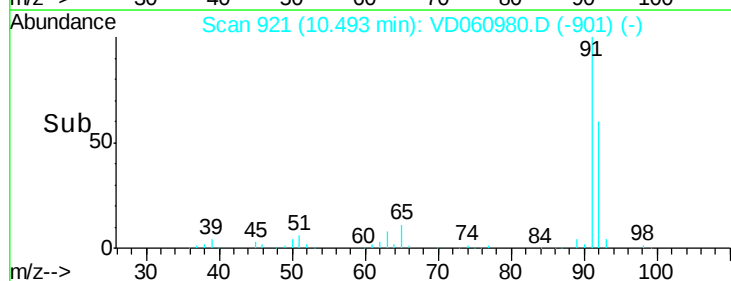
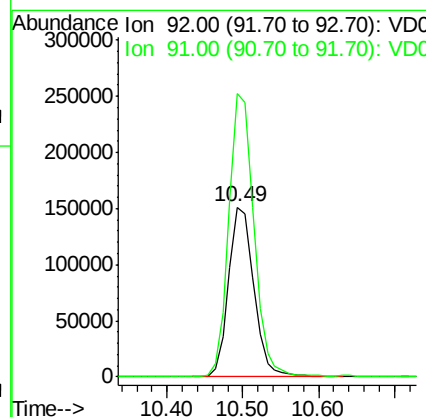
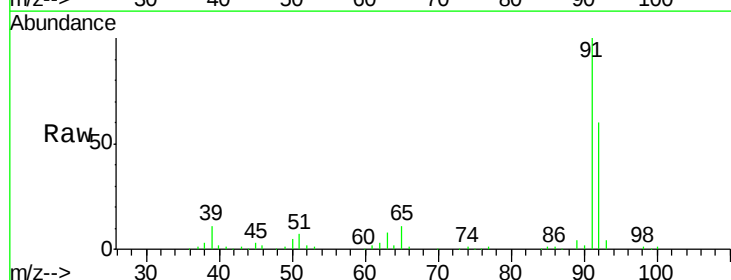
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

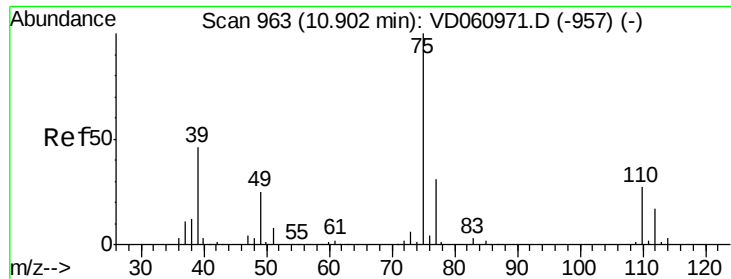
Tot Ion: 43 Resp: 436345
Ion Ratio Lower Upper
43 100
58 36.8 30.2 45.2



#52
Toluene
Concen: 21.364 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 92 Resp: 351217
Ion Ratio Lower Upper
92 100
91 166.5 129.8 194.8





#53

t-1,3-Dichloropropene

Concen: 20.119 ug/l

RT: 10.90 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

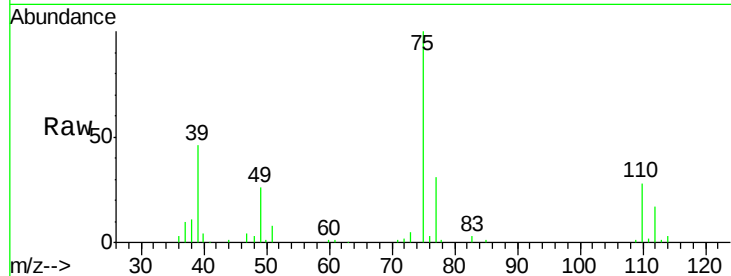
VD0308SBS01

Tot Ion: 75 Resp: 182897

Ion Ratio Lower Upper

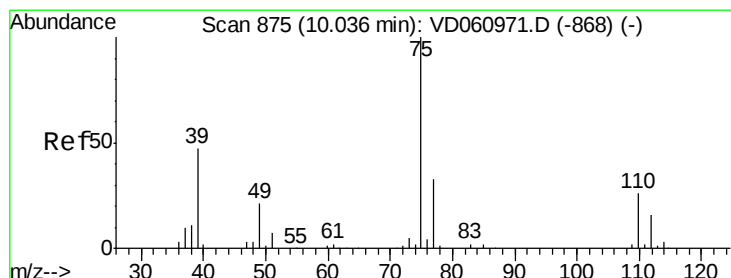
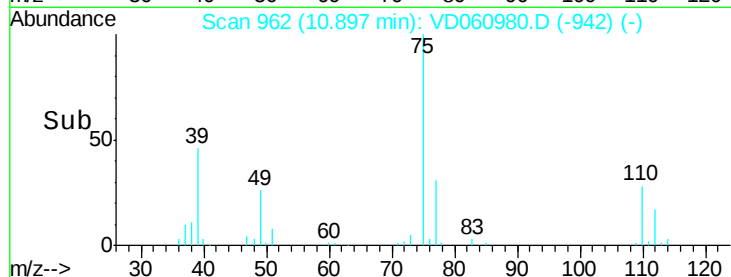
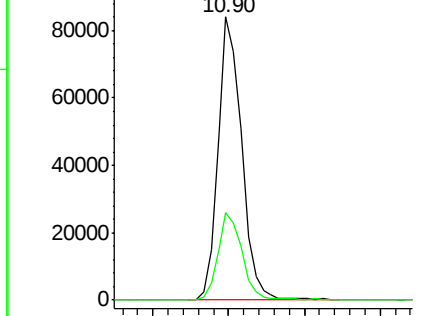
75 100

77 30.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.254 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

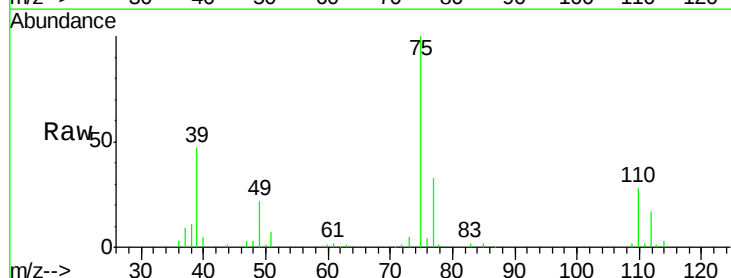
Tgt Ion: 75 Resp: 221236

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.4

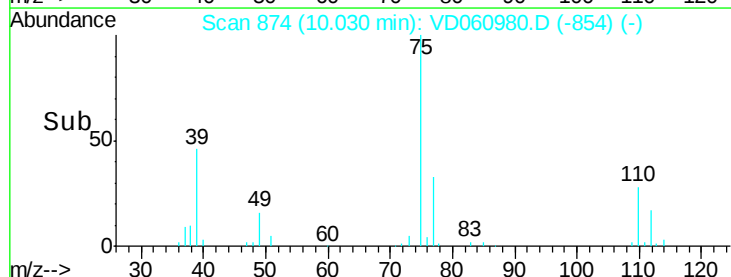
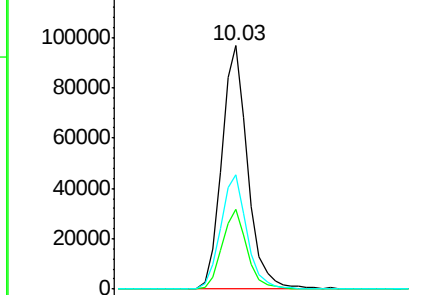
39 47.1 37.8 56.8

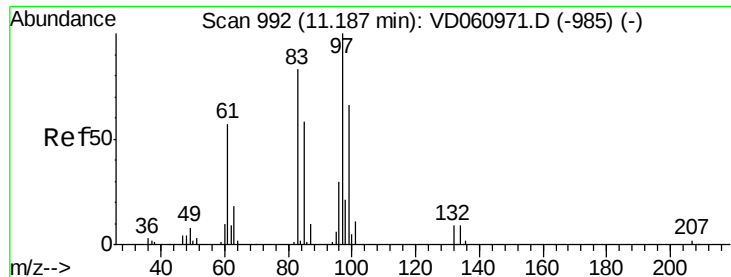


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.006 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

Tot Ion: 97 Resp: 115001

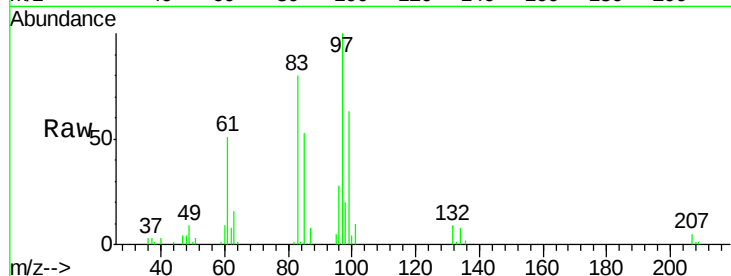
Ion Ratio Lower Upper

97 100

83 80.3 66.6 100.0

85 52.8 46.4 69.6

99 62.9 52.4 78.6

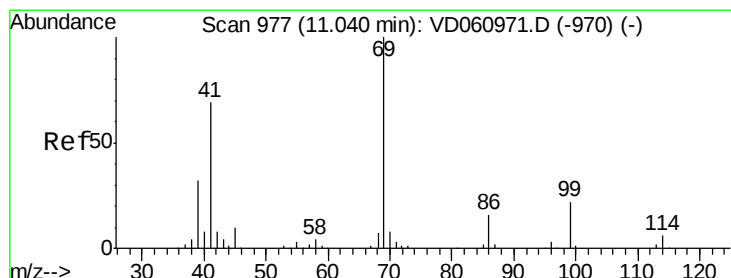
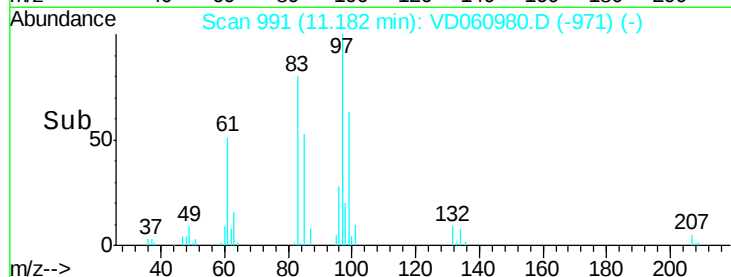
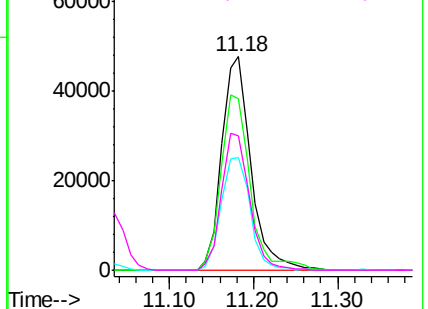


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 22.616 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

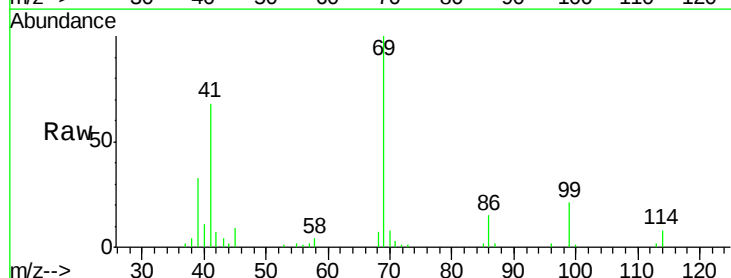
Tgt Ion: 69 Resp: 129600

Ion Ratio Lower Upper

69 100

41 68.1 55.5 83.3

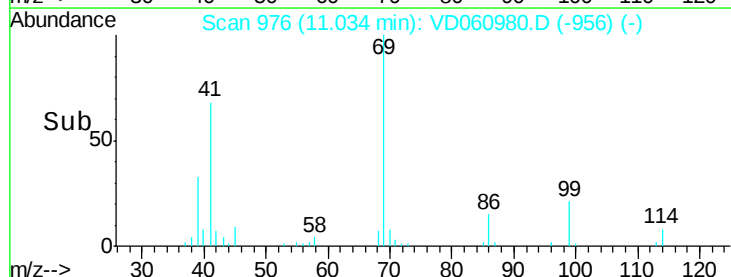
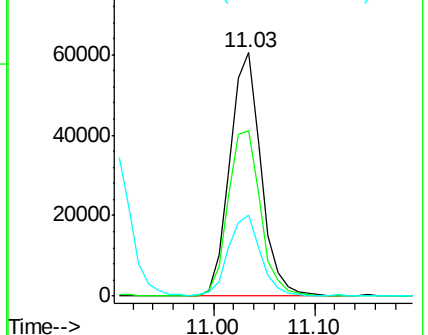
39 33.2 26.2 39.2

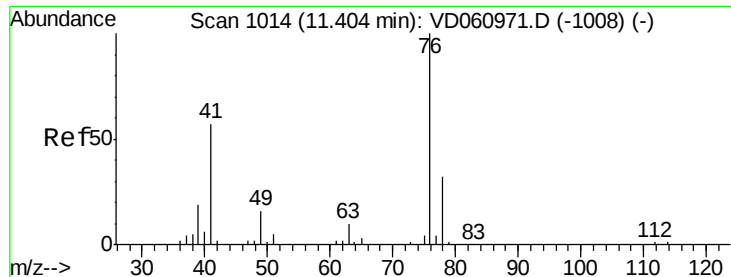


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

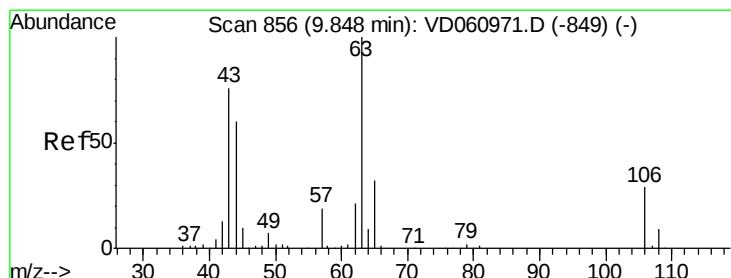
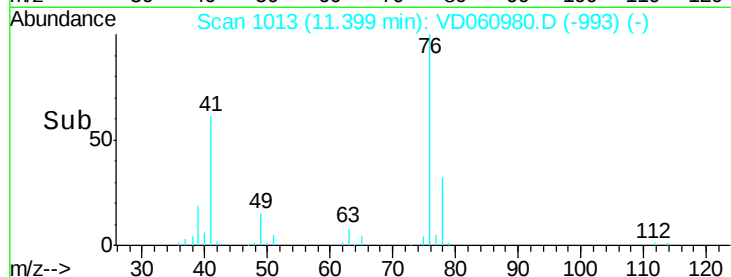
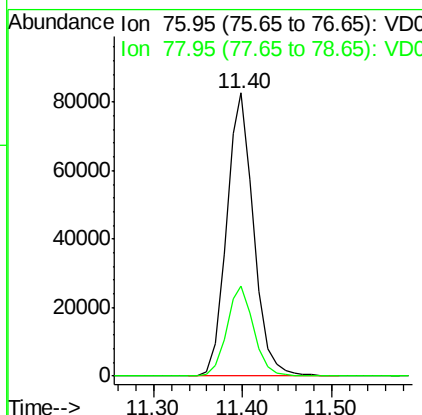
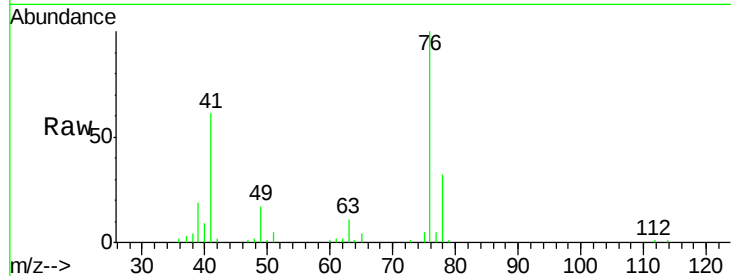




#57
 1,3-Dichloropropane
 Concen: 21.432 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

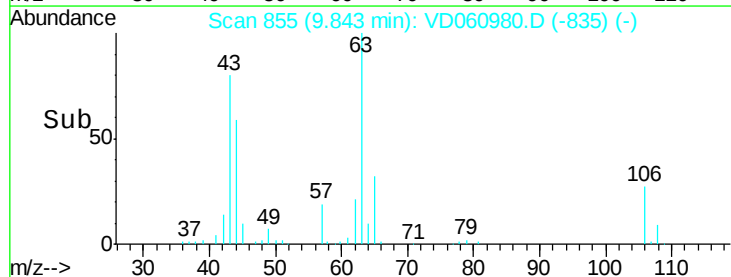
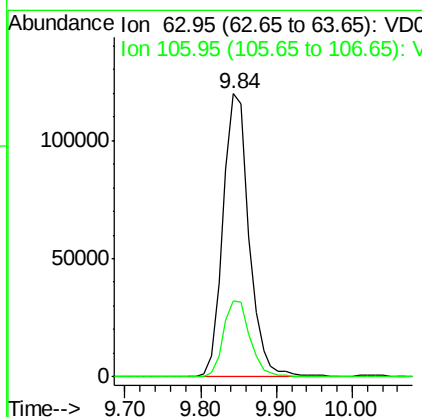
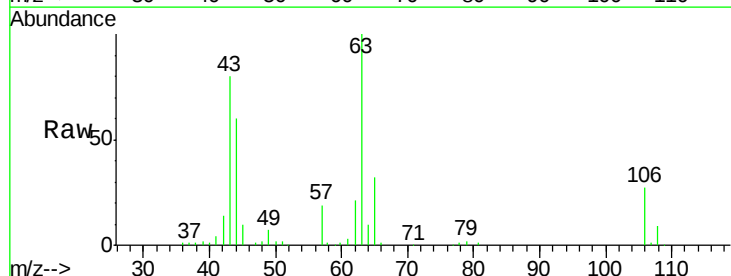
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

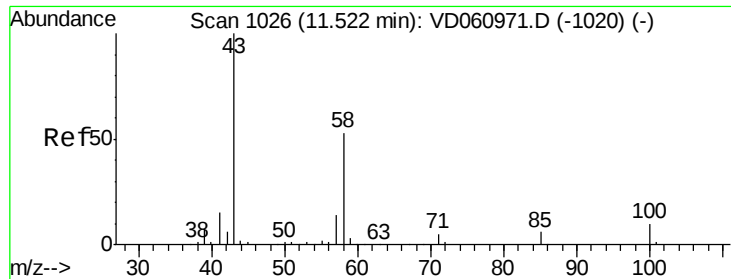
Tot Ion: 76 Resp: 175341
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.201 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion: 63 Resp: 285738
 Ion Ratio Lower Upper
 63 100
 106 27.0 22.8 34.2

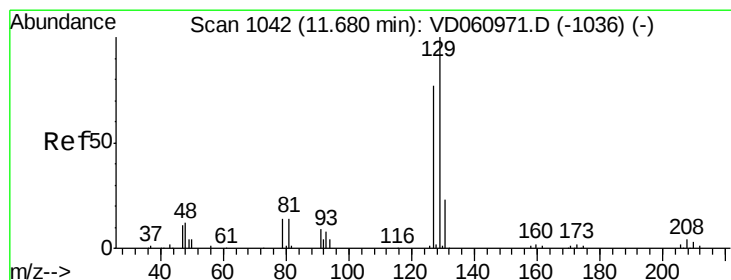
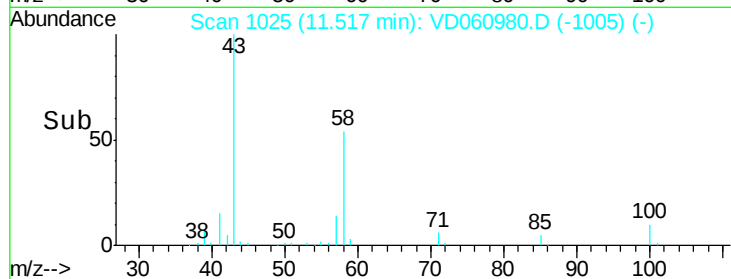
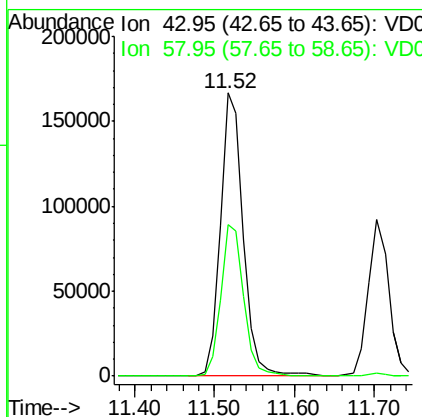
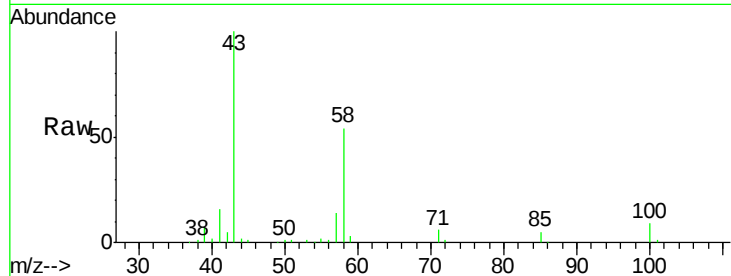




#59
2-Hexanone
Concen: 108.985 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

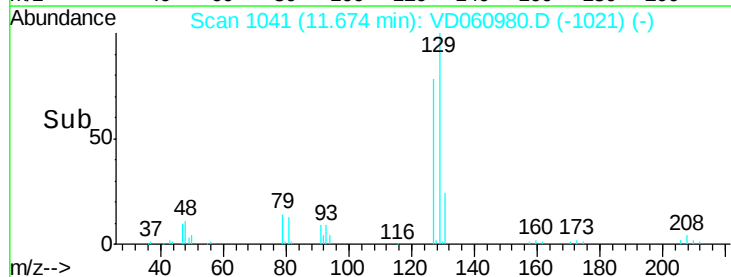
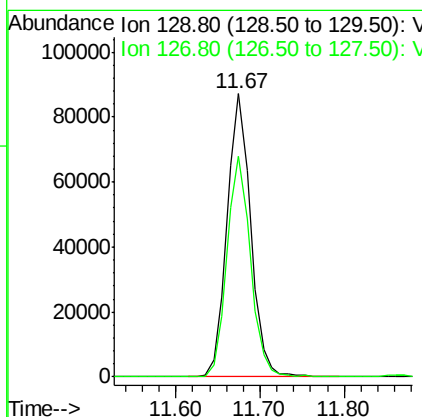
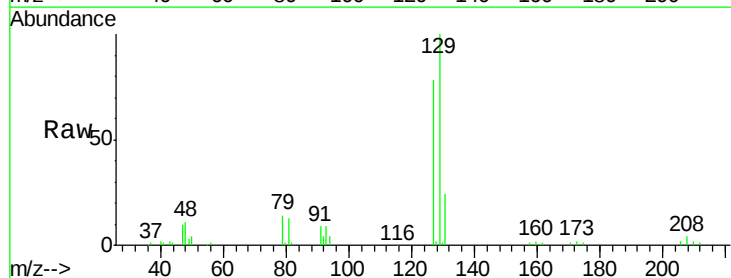
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

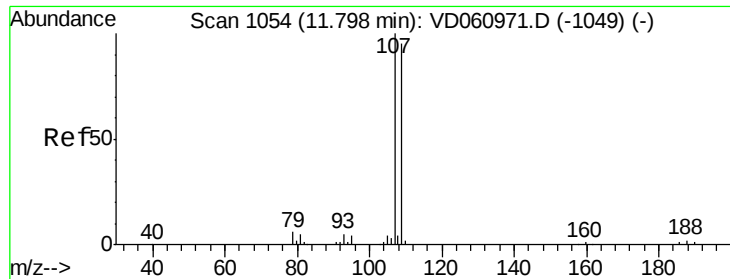
Tot Ion: 43 Resp: 335850
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5



#60
Dibromochloromethane
Concen: 21.136 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 129 Resp: 170297
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9

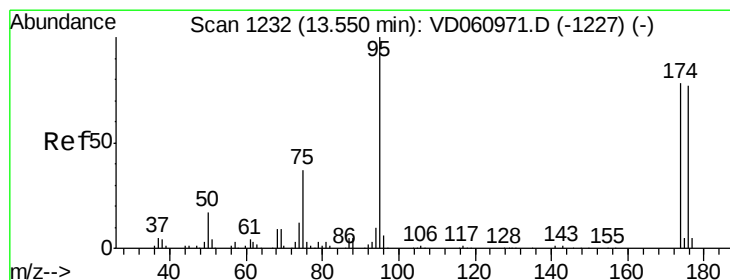
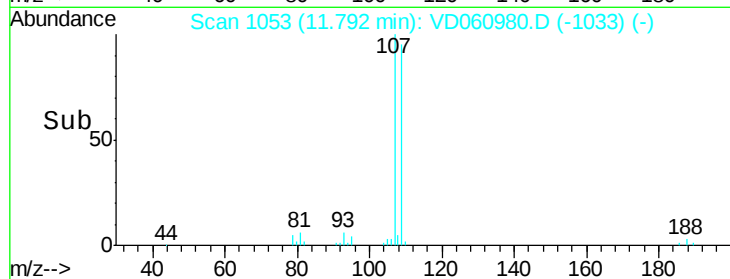
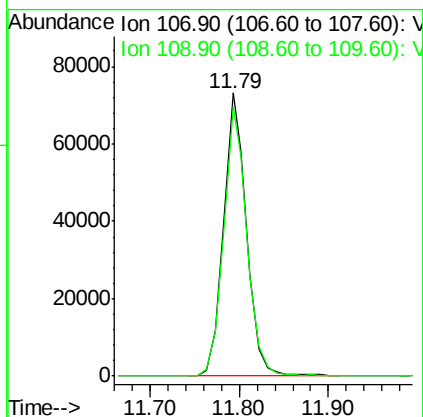
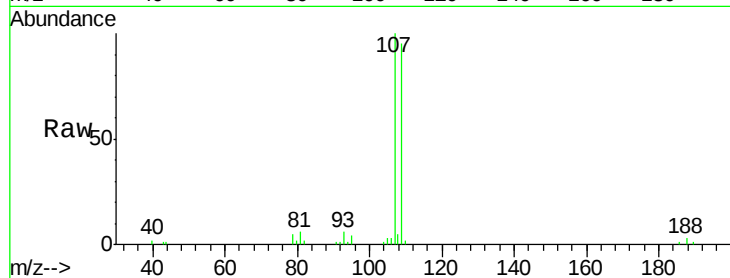




#61
 1,2-Dibromoethane
 Concen: 20.838 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

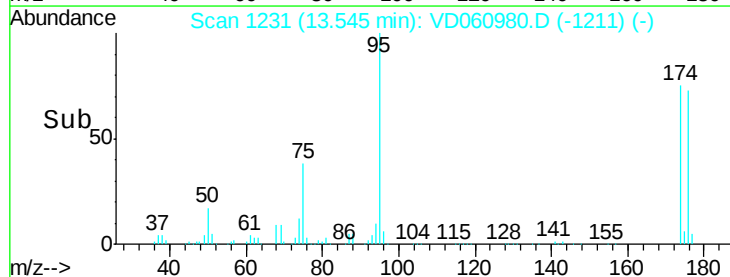
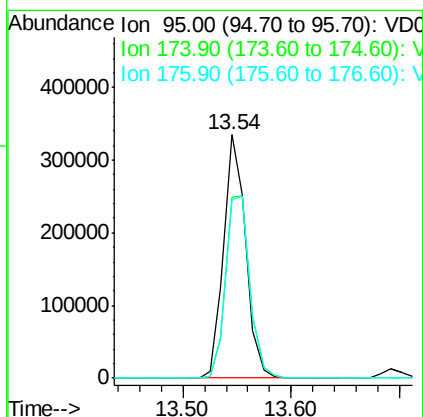
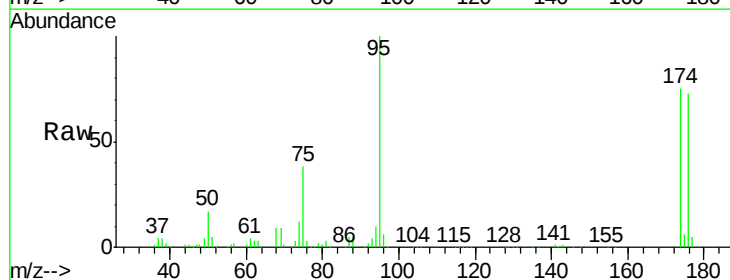
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

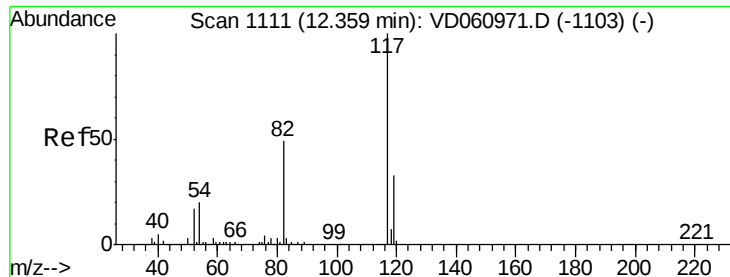
Tot Ion:107 Resp: 132712
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.838 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion: 95 Resp: 474906
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 155.6
 176 73.0 0.0 153.8

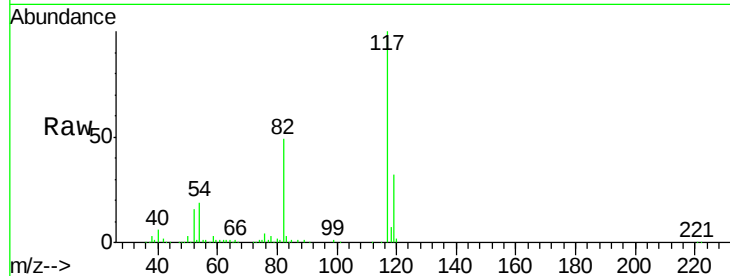




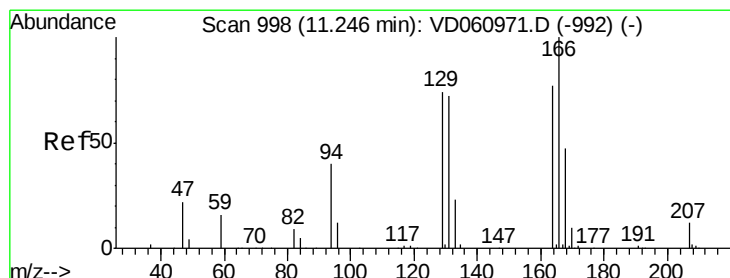
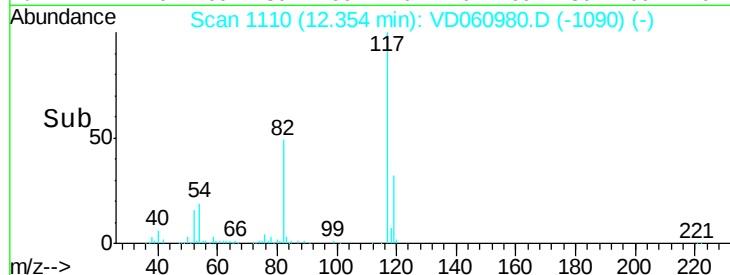
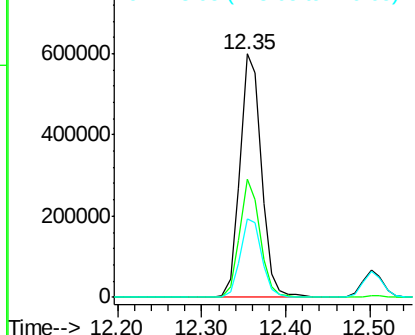
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

Tot Ion:117 Resp: 1061192
Ion Ratio Lower Upper
117 100
82 48.6 38.9 58.3
119 32.1 26.6 39.8

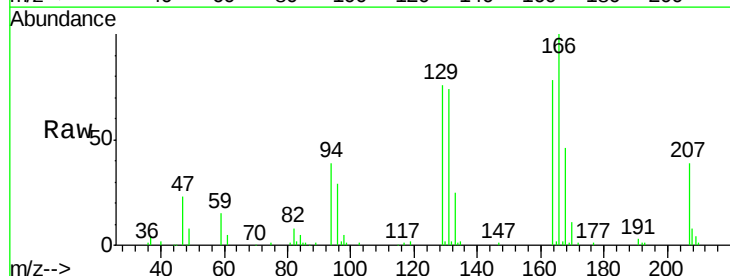


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

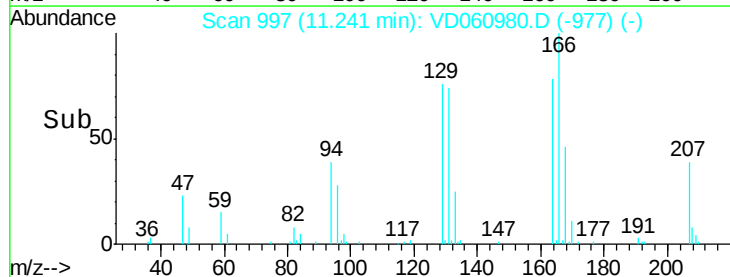
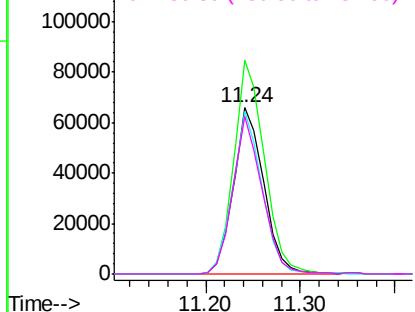


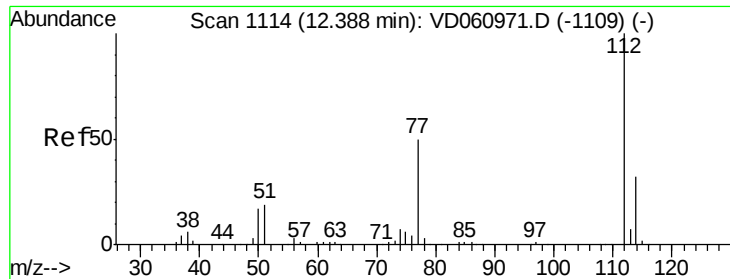
#64
Tetrachloroethene
Concen: 20.346 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion:164 Resp: 145746
Ion Ratio Lower Upper
164 100
166 128.8 103.4 155.0
129 98.4 76.9 115.3
131 95.1 74.4 111.6



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: 21.152 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

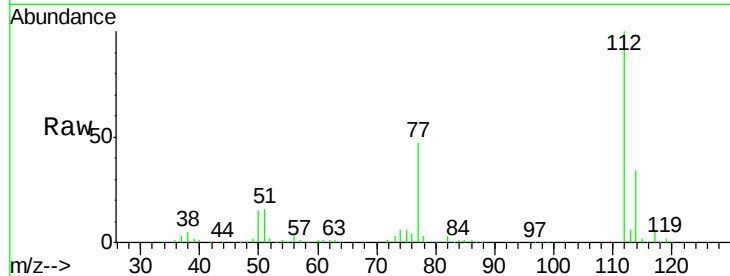
VD0308SBS01

Tot Ion:112 Resp: 440052

Ion Ratio Lower Upper

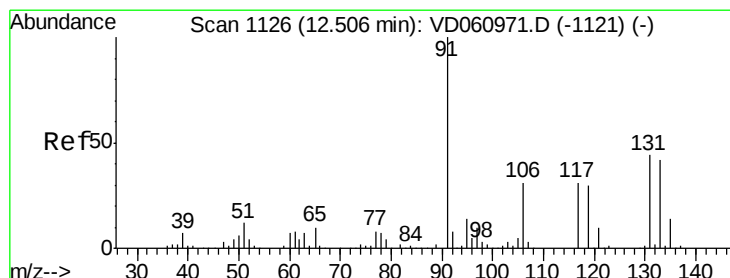
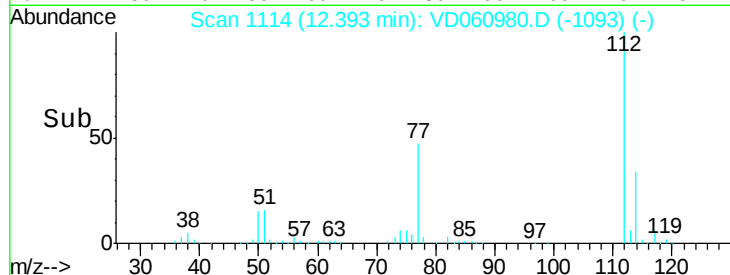
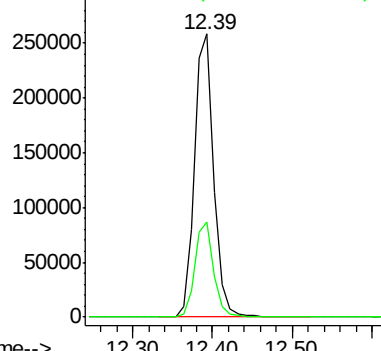
112 100

114 33.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.389 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

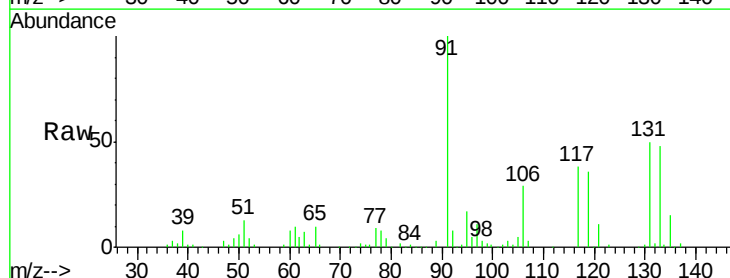
Tgt Ion:131 Resp: 151197

Ion Ratio Lower Upper

131 100

133 96.7 47.8 143.3

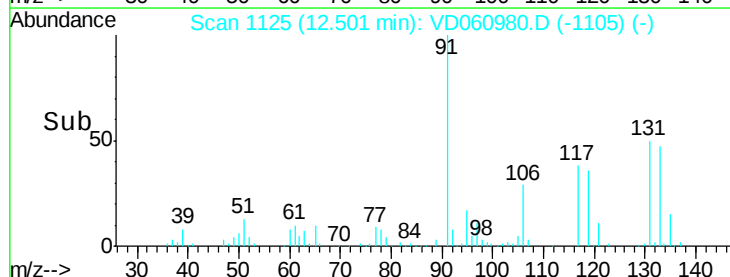
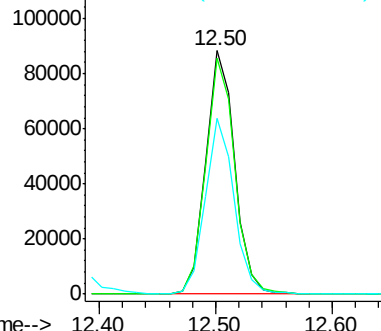
119 72.5 34.3 102.9

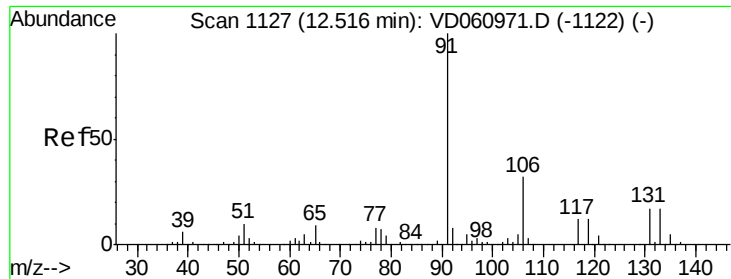


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

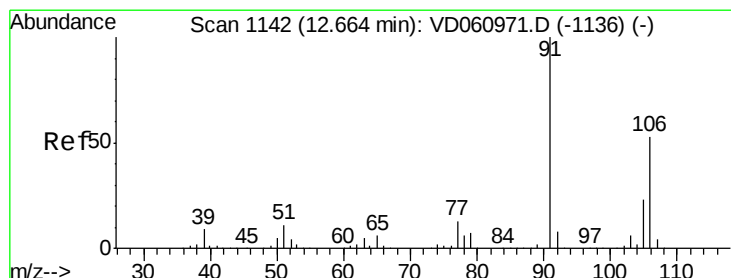
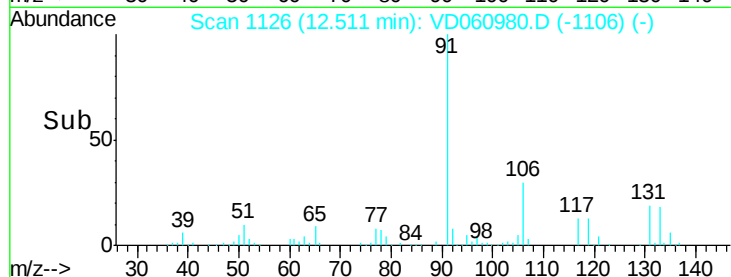
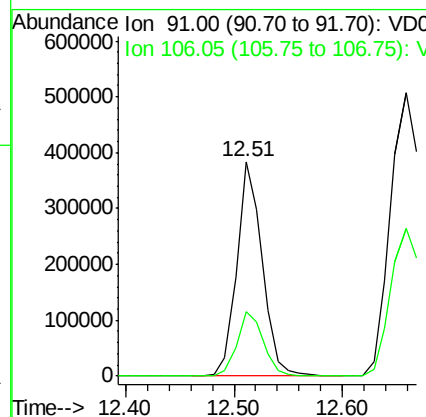
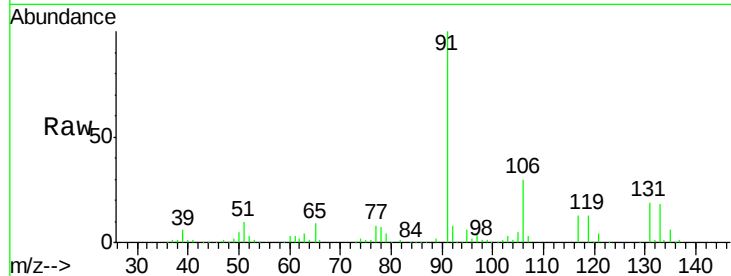




#67
Ethyl Benzene
Concen: 20.169 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

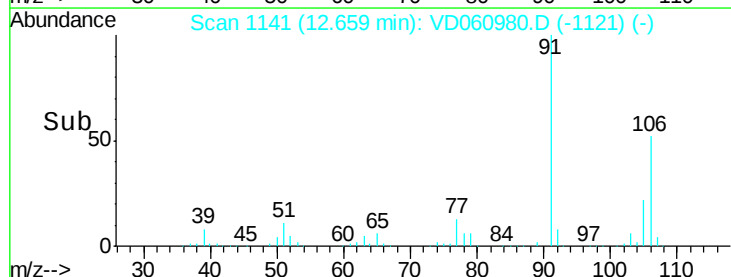
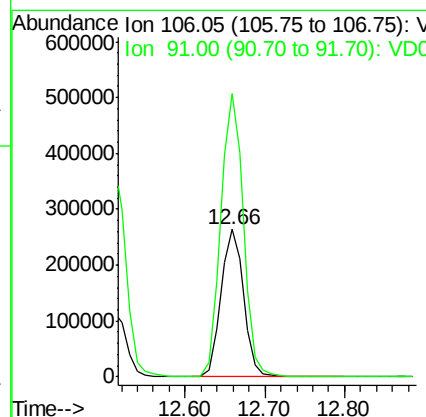
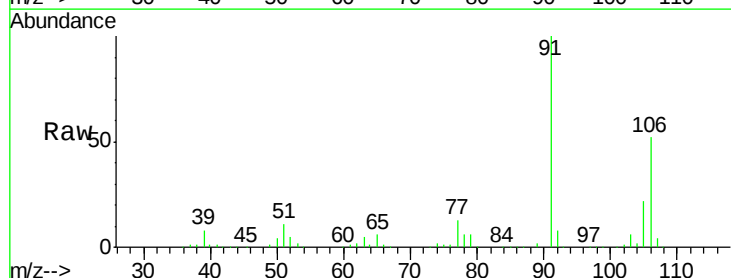
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

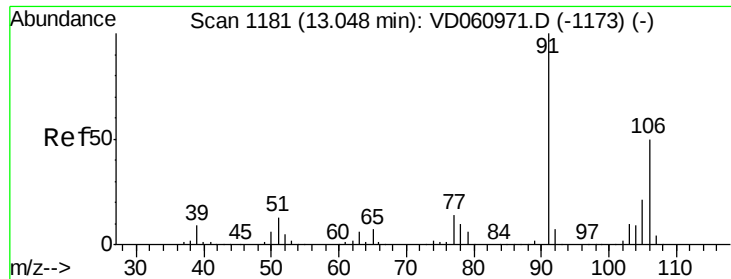
Tot Ion: 91 Resp: 624663
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5



#68
m/p-Xylenes
Concen: 43.474 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 106 Resp: 528475
Ion Ratio Lower Upper
106 100
91 192.4 152.0 228.0

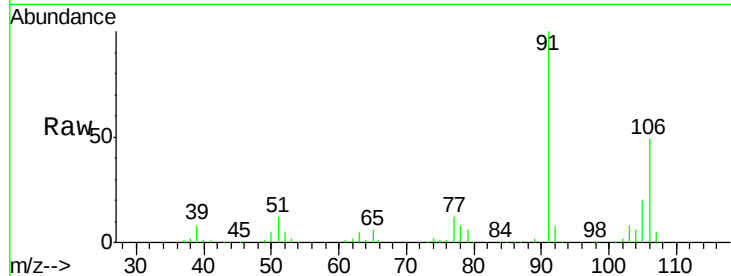




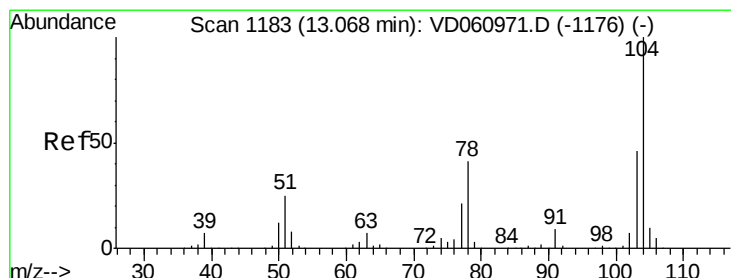
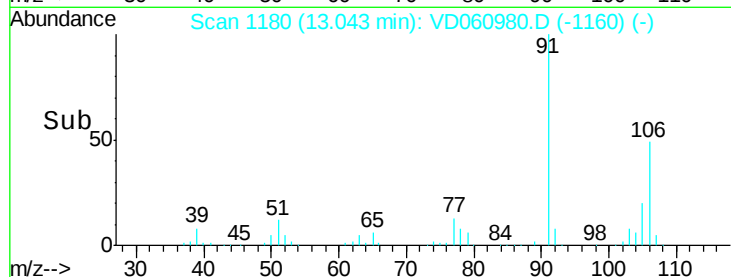
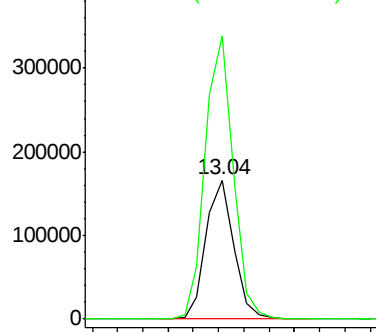
#69
o-Xylene
Concen: 21.108 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

Tot Ion:106 Resp: 252222
Ion Ratio Lower Upper
106 100
91 203.5 99.8 299.3

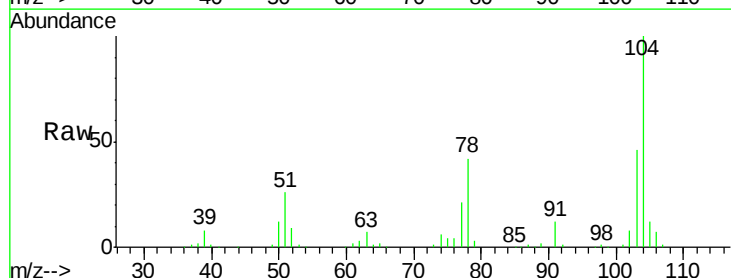


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

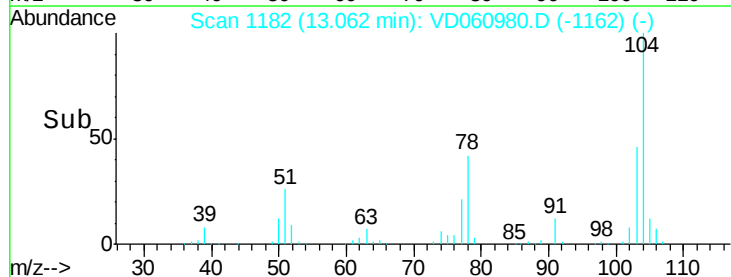
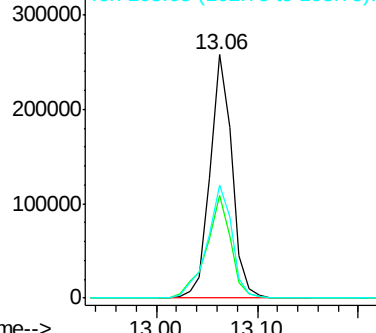


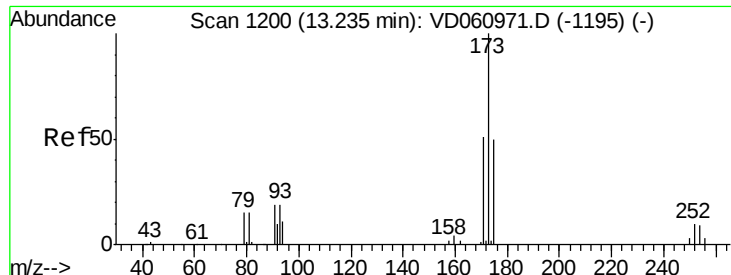
#70
Styrene
Concen: 19.846 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion:104 Resp: 387233
Ion Ratio Lower Upper
104 100
78 42.0 33.0 49.4
103 46.4 37.1 55.7



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: 19.386 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

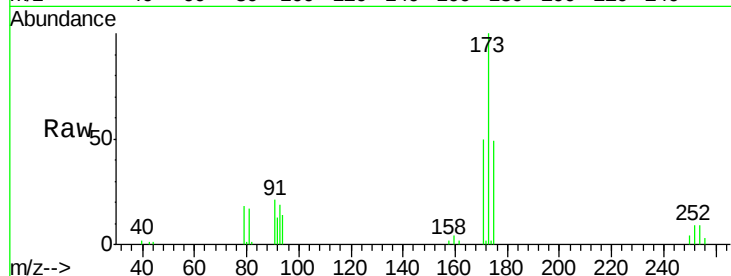
Tot Ion:173 Resp: 92739

Ion Ratio Lower Upper

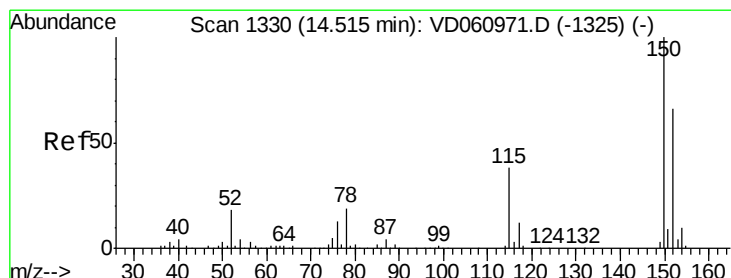
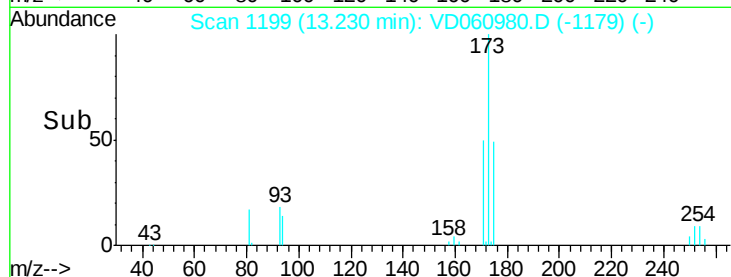
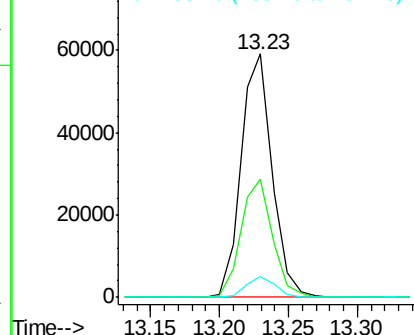
173 100

175 48.7 24.9 74.8

254 8.8 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

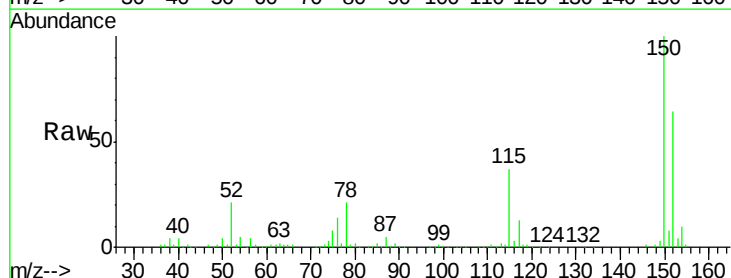
Tgt Ion:152 Resp: 447476

Ion Ratio Lower Upper

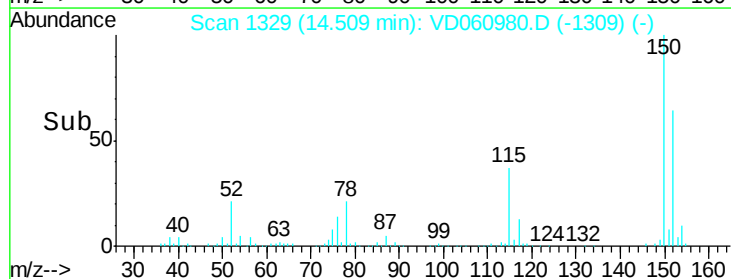
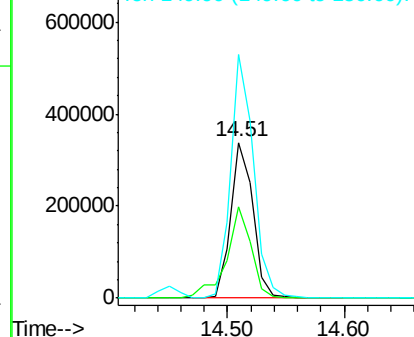
152 100

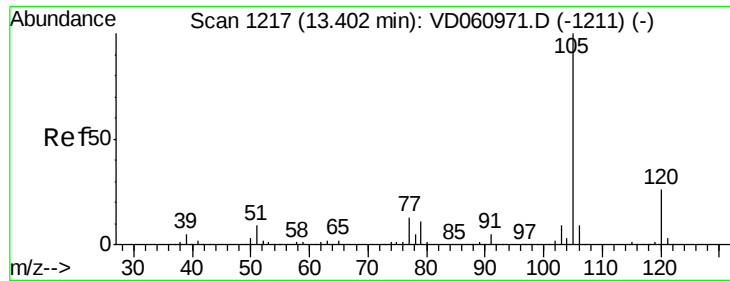
115 58.5 28.6 85.9

150 156.5 0.0 310.6



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





#73

Isopropylbenzene

Concen: 19.338 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

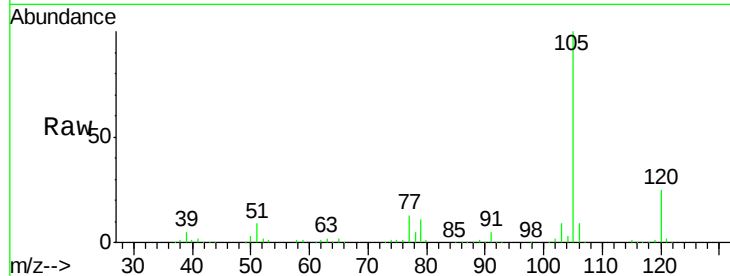
VD0308SBS01

Tot Ion:105 Resp: 623630

Ion Ratio Lower Upper

105 100

120 24.7 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

200000

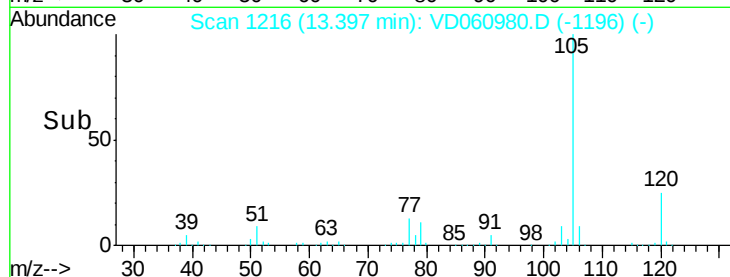
100000

0

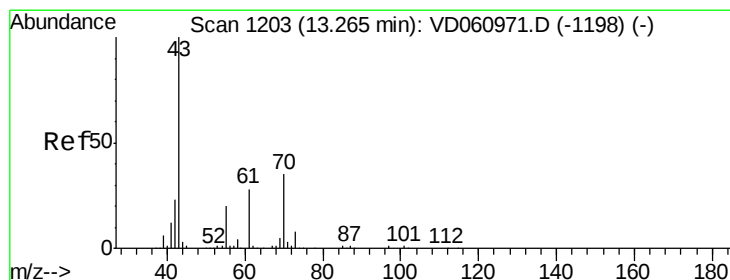
13.30

13.40

13.50



Time-->



#74

N-ethyl acetate

Concen: 20.425 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Tgt Ion: 43 Resp: 185468

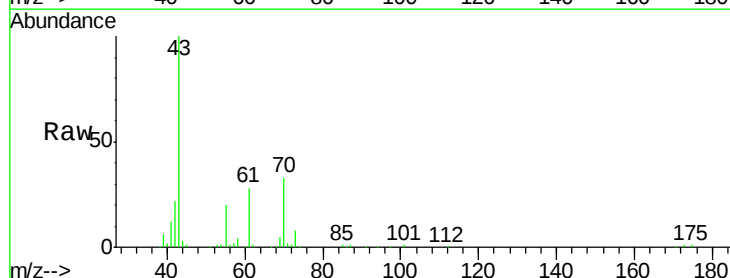
Ion Ratio Lower Upper

43 100

70 33.1 27.7 41.5

55 19.6 16.2 24.2

61 27.5 22.3 33.5



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

150000

100000

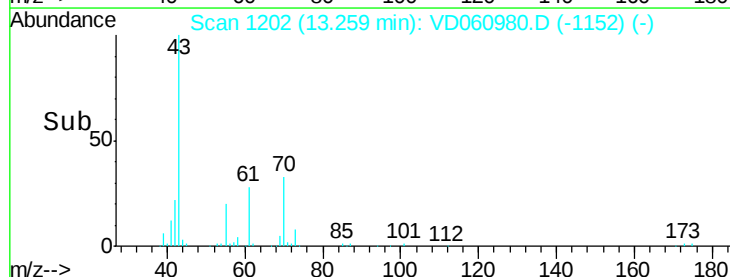
50000

0

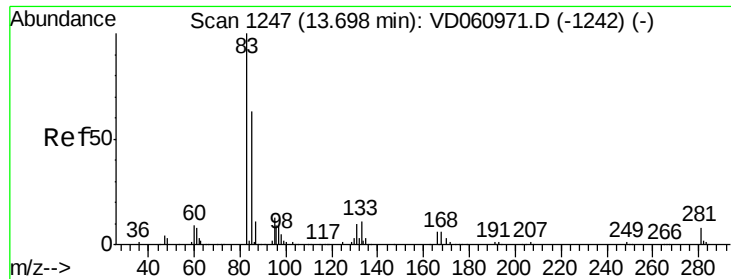
13.20

13.26

13.30



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 19.619 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

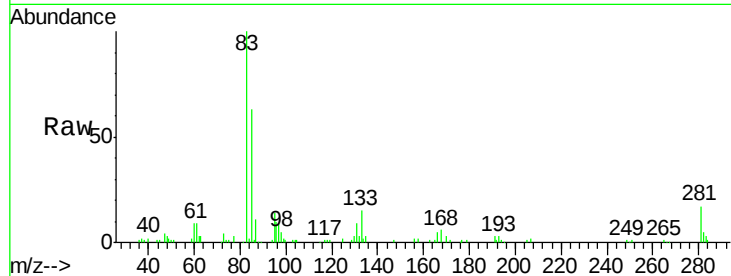
Tot Ion: 83 Resp: 123443

Ion Ratio Lower Upper

83 100

131 9.4 5.1 15.3

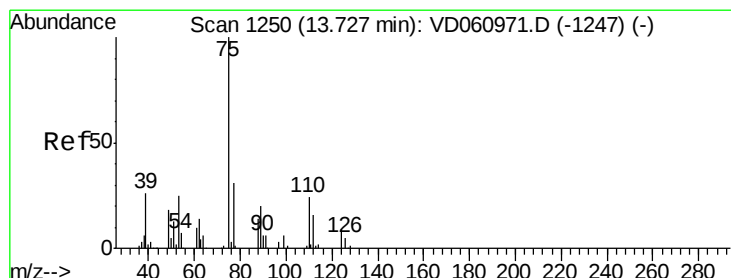
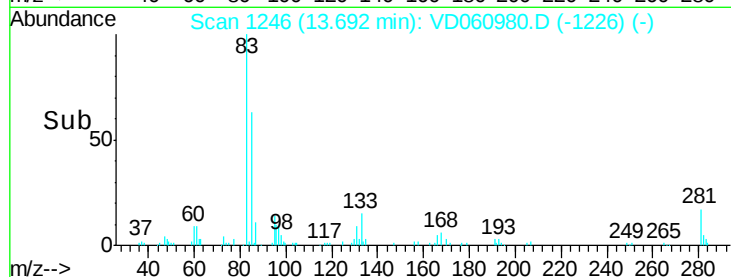
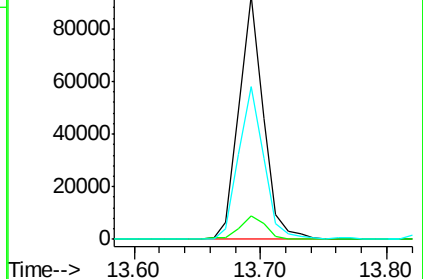
85 62.7 31.5 94.5



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: 20.735 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD060980.D

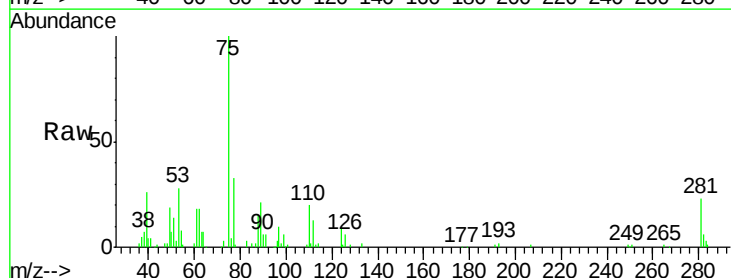
Acq: 8 Mar 2019 13:30

Tgt Ion: 75 Resp: 133489

Ion Ratio Lower Upper

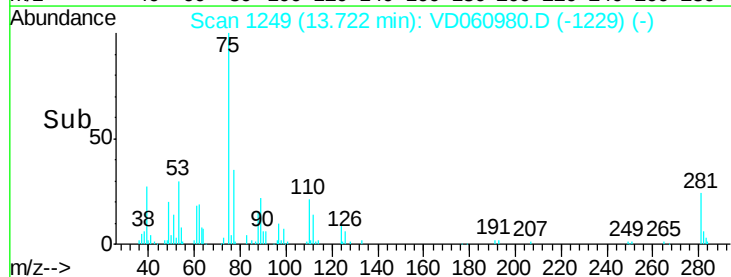
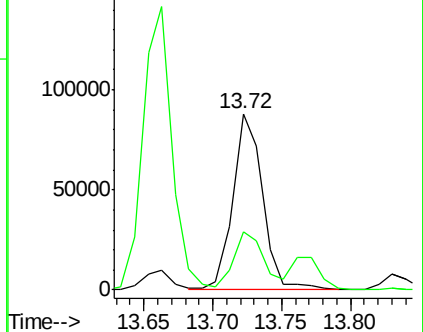
75 100

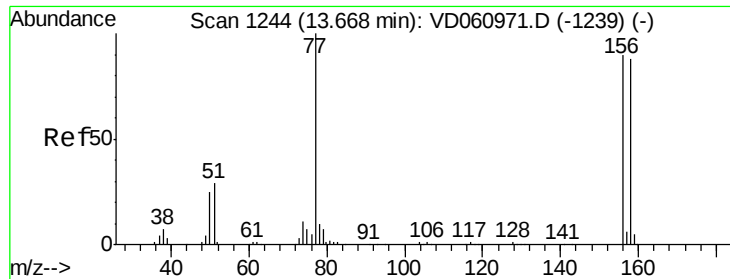
77 33.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.712 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

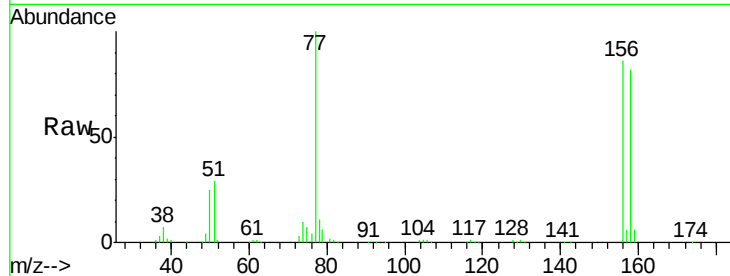
Tot Ion:156 Resp: 162271

Ion Ratio Lower Upper

156 100

77 116.2 55.5 166.7

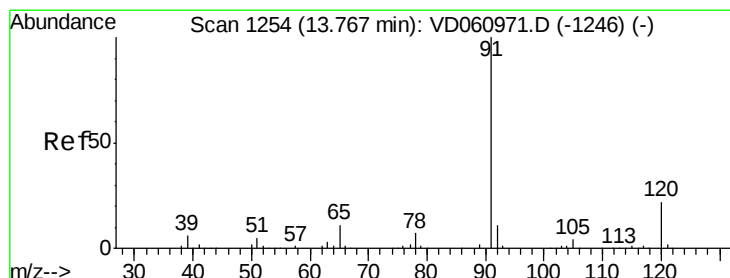
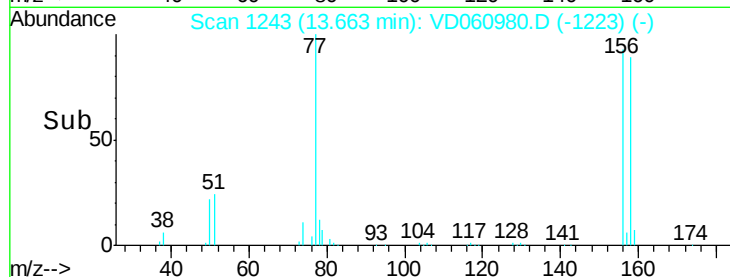
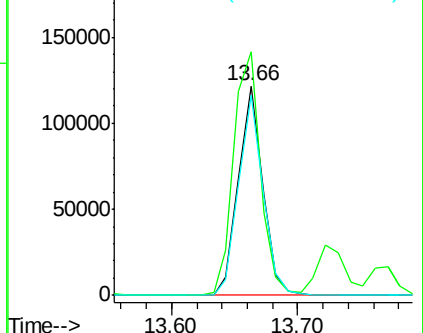
158 95.7 49.0 147.0



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: 19.653 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060980.D

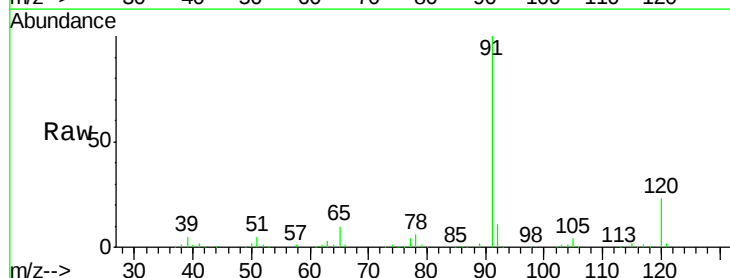
Acq: 8 Mar 2019 13:30

Tgt Ion: 91 Resp: 741976

Ion Ratio Lower Upper

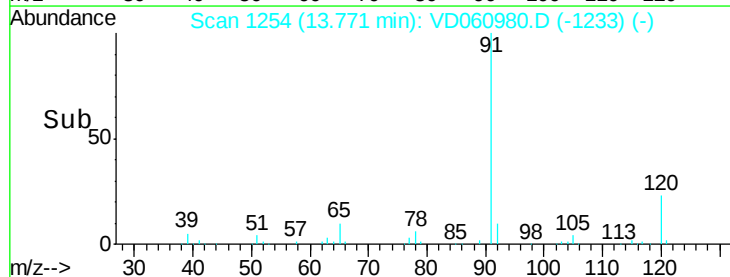
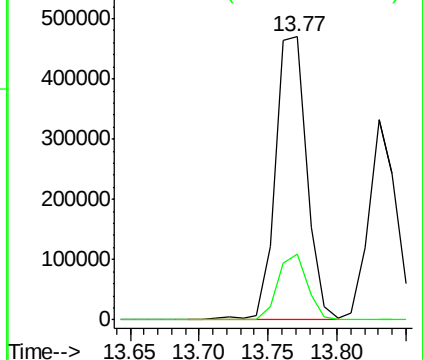
91 100

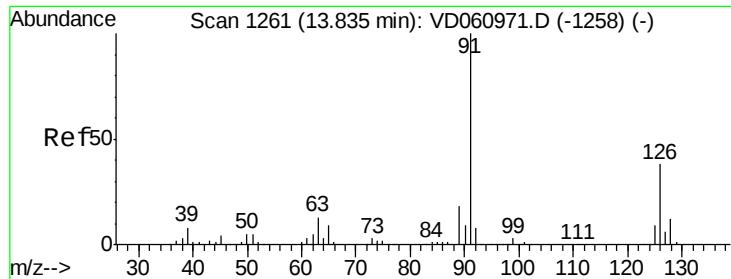
120 23.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.024 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

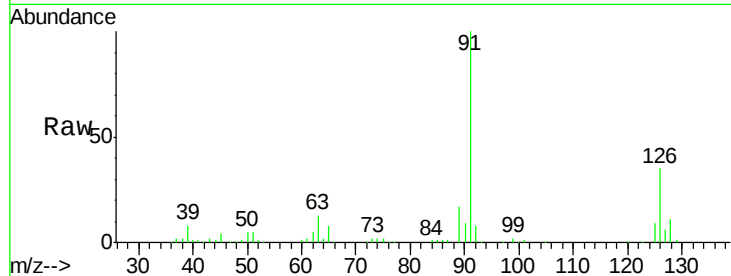
VD0308SBS01

Tot Ion: 91 Resp: 457770

Ion Ratio Lower Upper

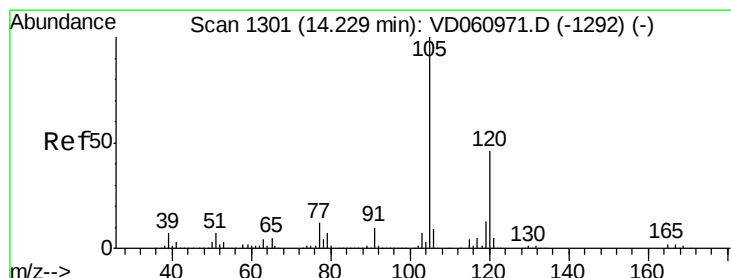
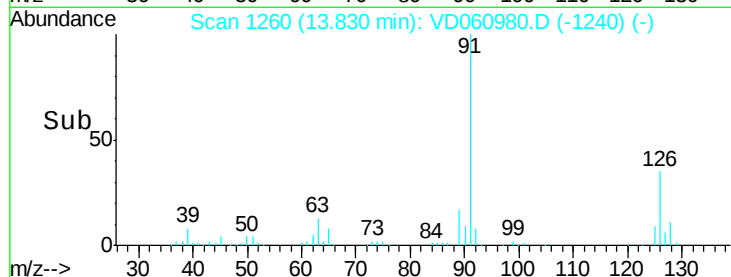
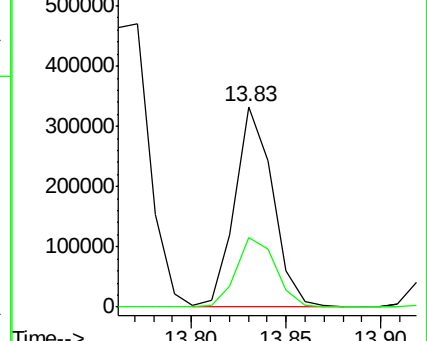
91 100

126 34.6 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.148 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD060980.D

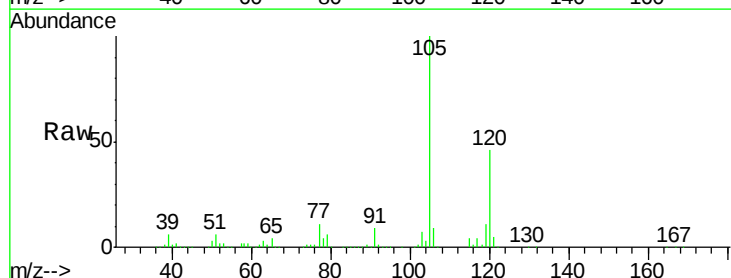
Acq: 8 Mar 2019 13:30

Tgt Ion: 105 Resp: 493263

Ion Ratio Lower Upper

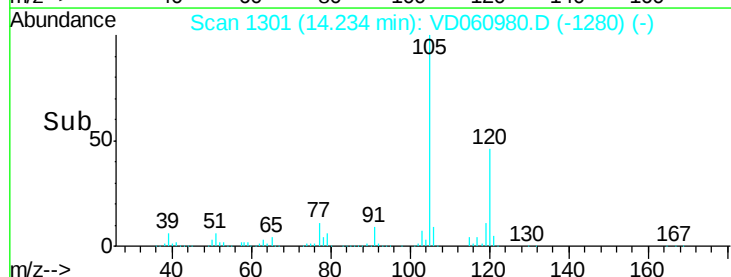
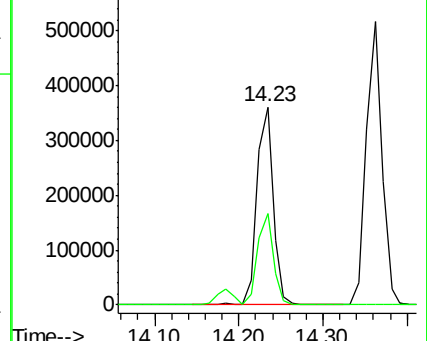
105 100

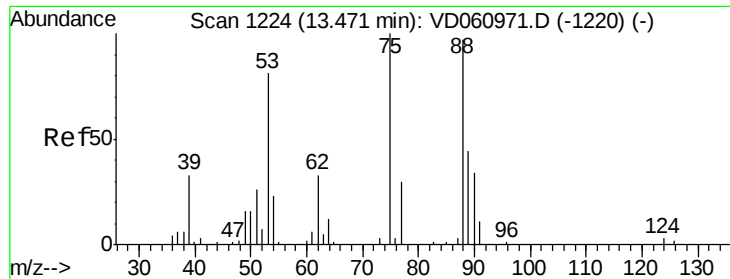
120 46.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)

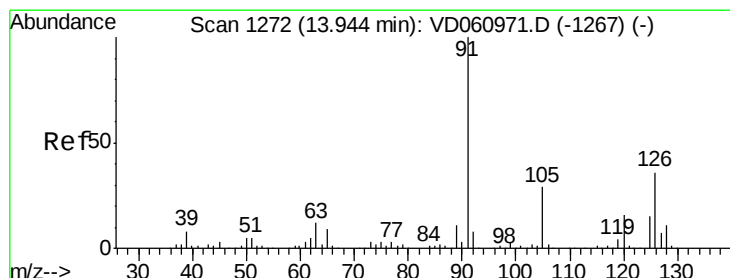
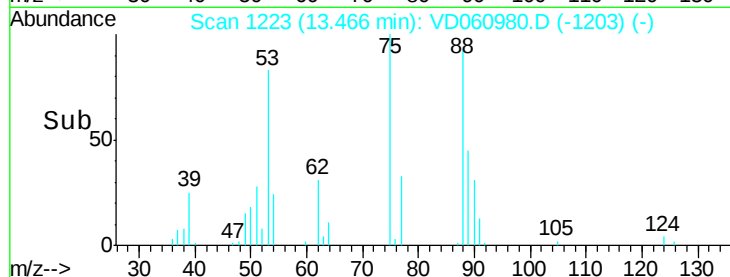
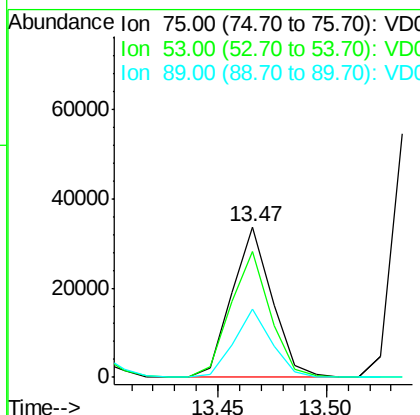
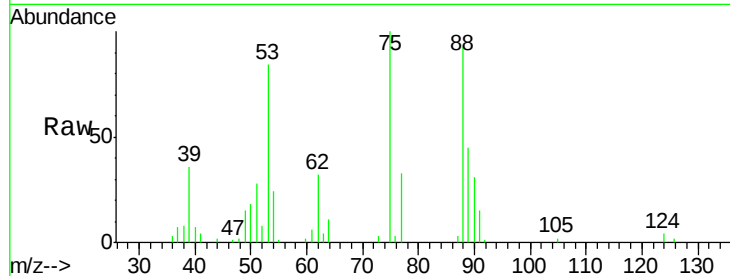




#81
trans-1,4-Dichloro-2-butene
Concen: 23.080 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

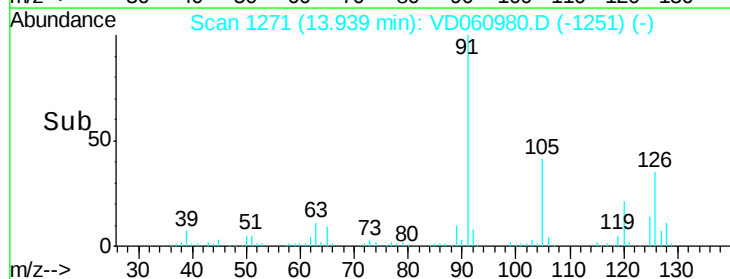
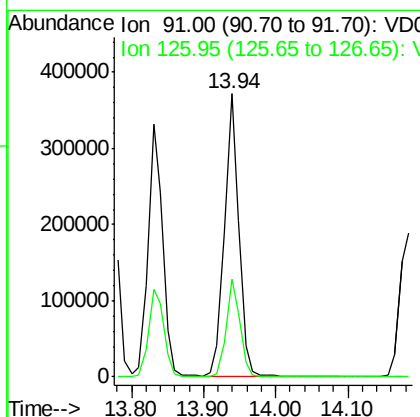
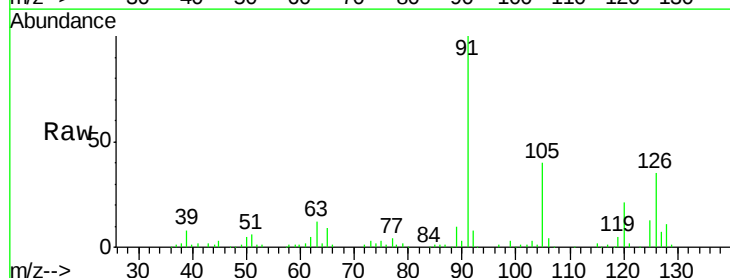
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

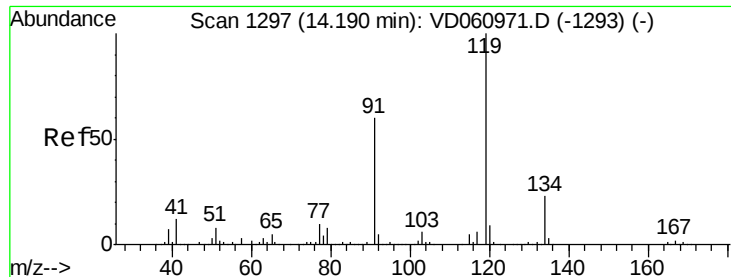
Tot Ion: 75 Resp: 43805
Ion Ratio Lower Upper
75 100
53 84.1 64.4 96.6
89 45.2 34.8 52.2



#82
4-Chlorotoluene
Concen: 20.861 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 91 Resp: 512584
Ion Ratio Lower Upper
91 100
126 34.7 18.0 54.0





#83

tert-Butylbenzene

Concen: 21.244 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD060980.D

Acq: 8 Mar 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0308SBS01

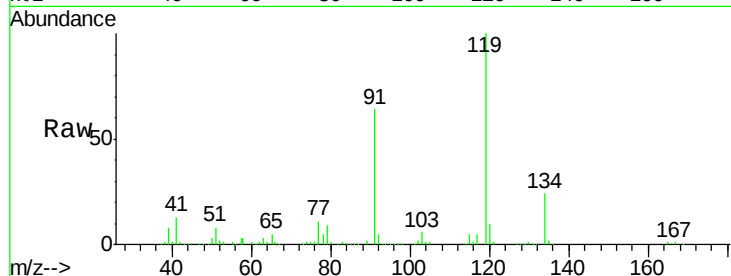
Tot Ion:119 Resp: 569177

Ion Ratio Lower Upper

119 100

91 63.9 30.1 90.3

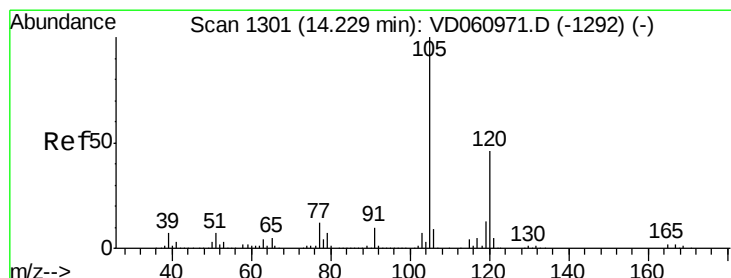
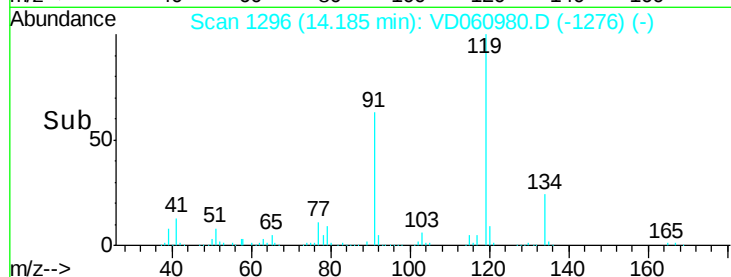
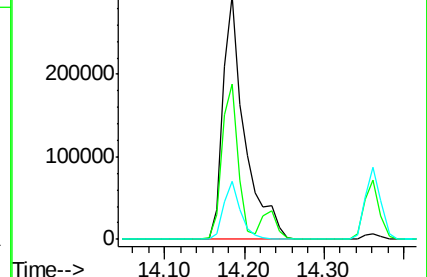
134 23.7 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.148 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD060980.D

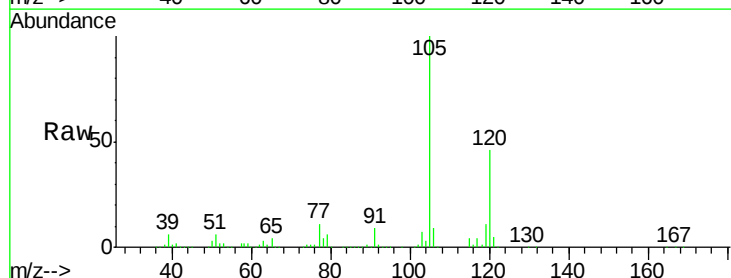
Acq: 8 Mar 2019 13:30

Tgt Ion:105 Resp: 493263

Ion Ratio Lower Upper

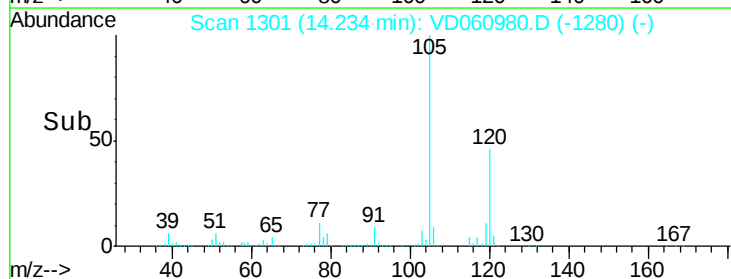
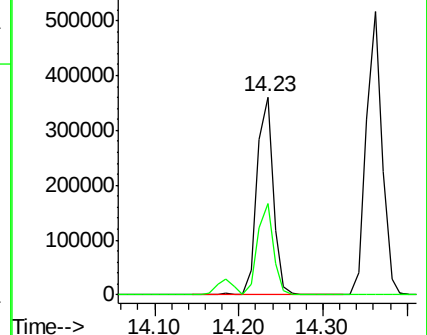
105 100

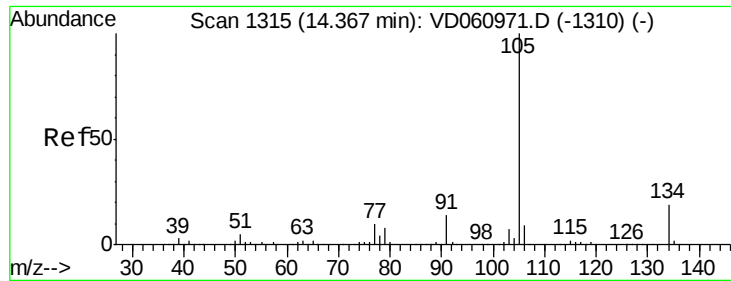
120 46.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

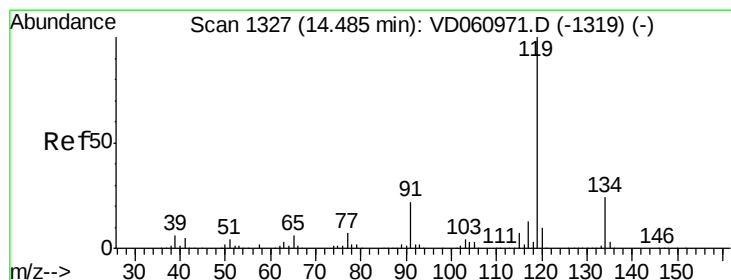
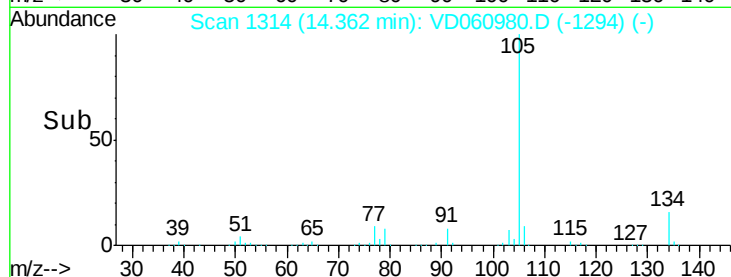
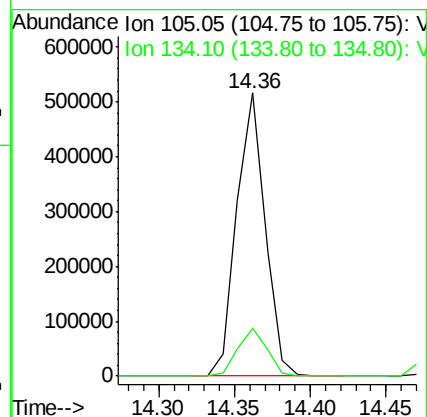
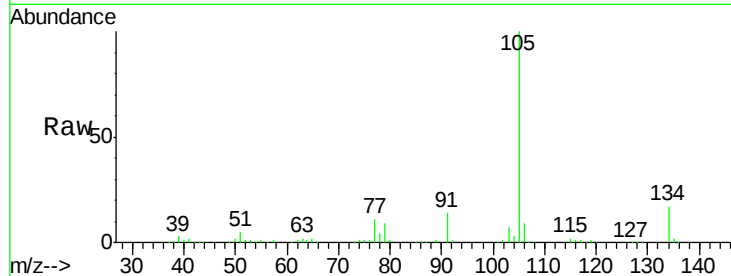




#85
 sec-Butylbenzene
 Concen: 20.579 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

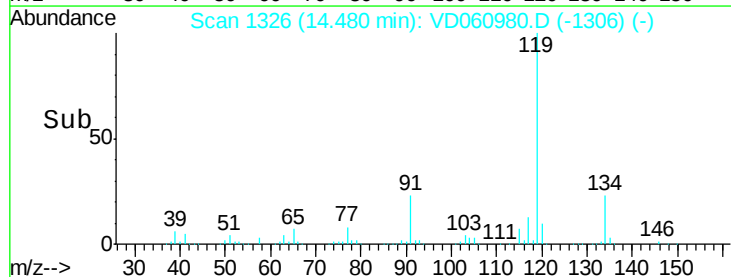
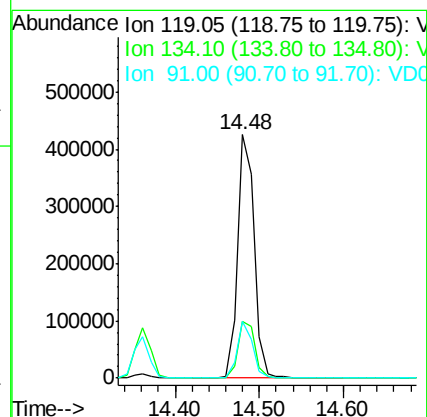
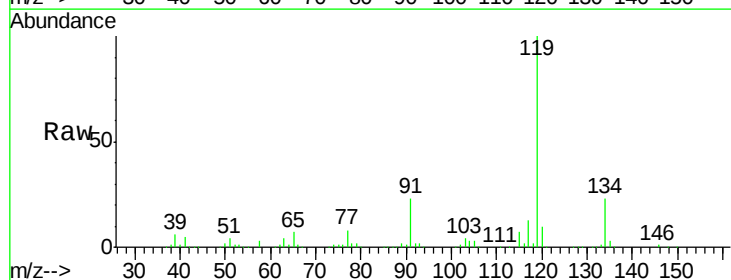
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

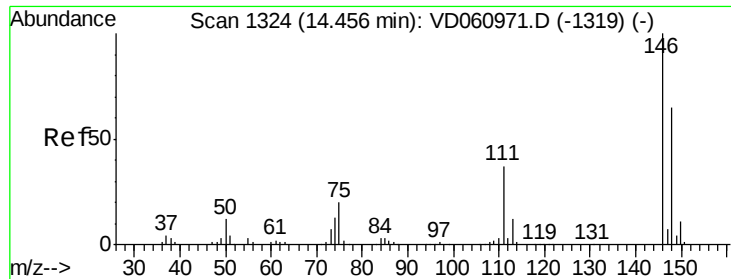
Tot Ion:105 Resp: 673126
 Ion Ratio Lower Upper
 105 100
 134 17.1 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 21.616 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion:119 Resp: 577937
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.0 36.1
 91 23.4 11.2 33.6

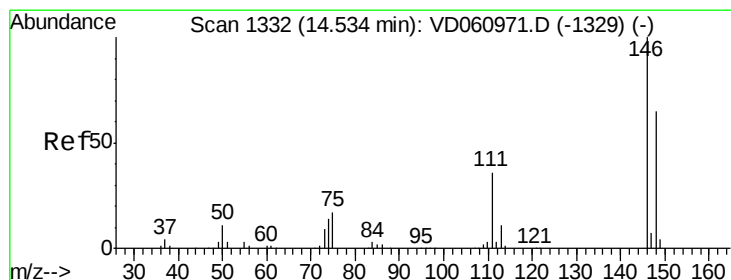
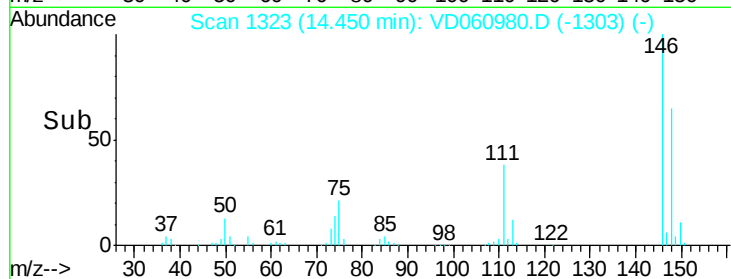
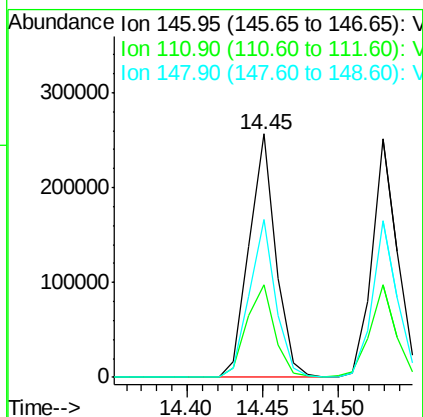
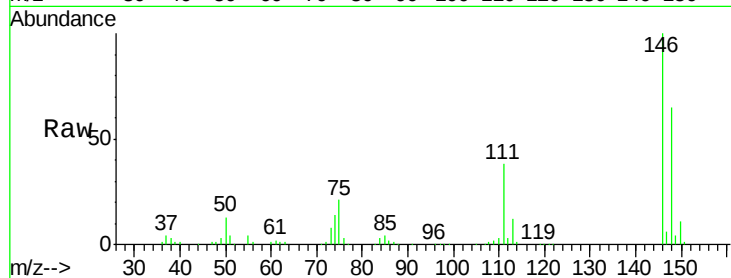




#87
 1,3-Dichlorobenzene
 Concen: 21.592 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

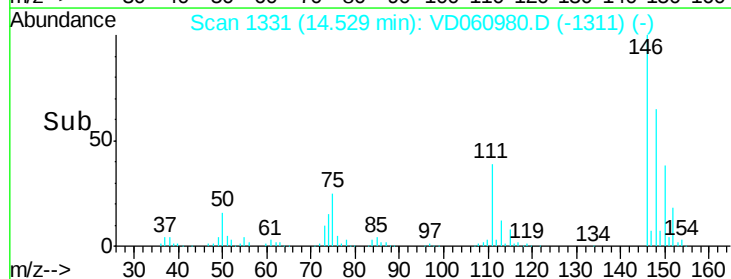
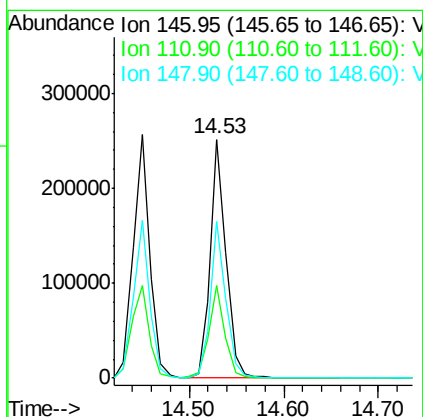
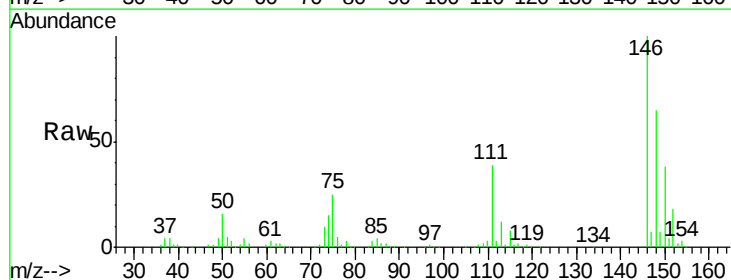
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

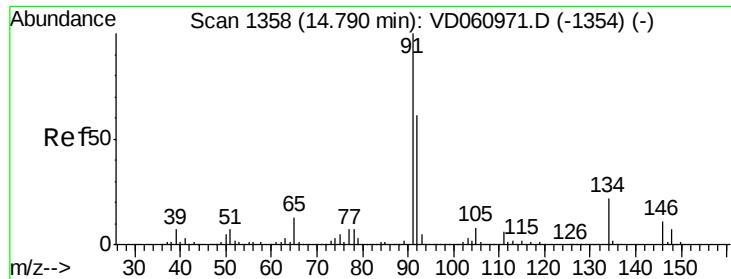
Tot Ion:146 Resp: 317389
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.4
 148 64.9 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.637 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion:146 Resp: 298103
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.4 55.2
 148 65.2 32.5 97.5

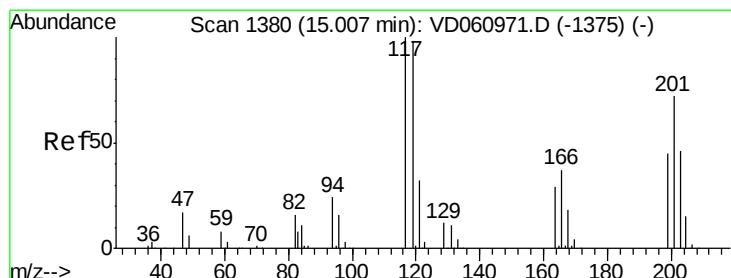
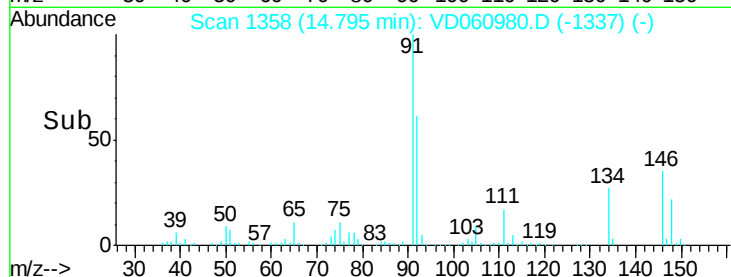
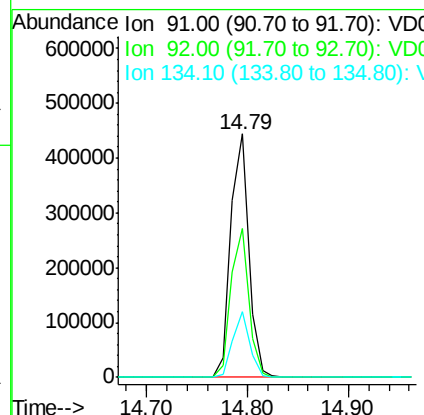
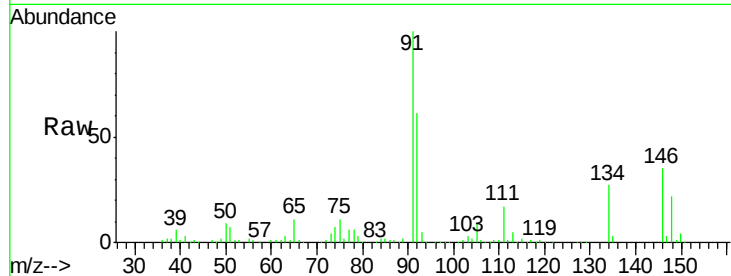




#89
n-Butylbenzene
Concen: 21.664 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

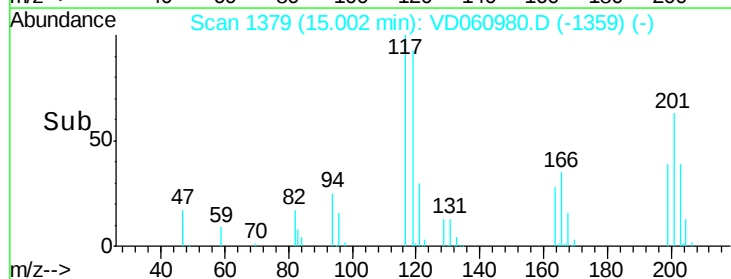
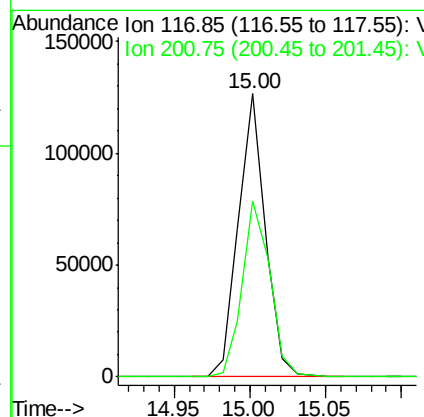
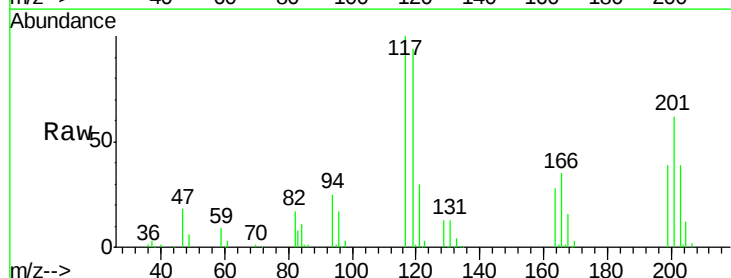
Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

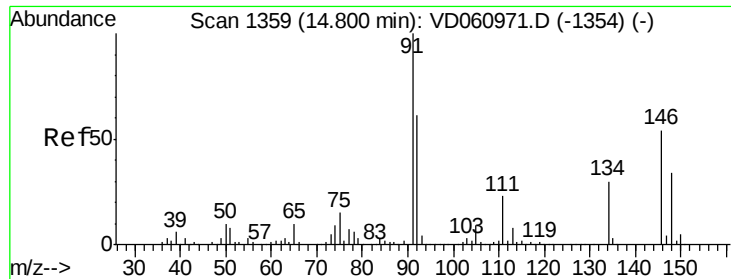
Tot Ion: 91 Resp: 556221
Ion Ratio Lower Upper
91 100
92 61.1 30.6 91.8
134 27.1 11.0 33.0



#90
Hexachloroethane
Concen: 20.660 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion: 117 Resp: 155972
Ion Ratio Lower Upper
117 100
201 62.1 36.2 108.6

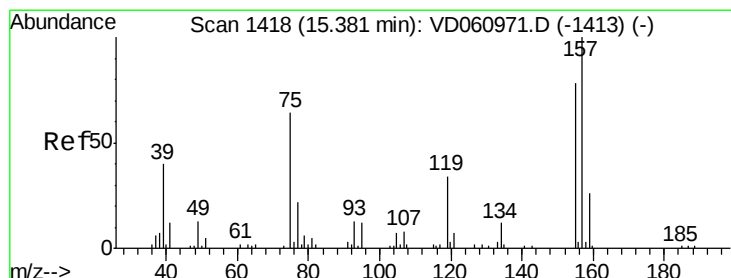
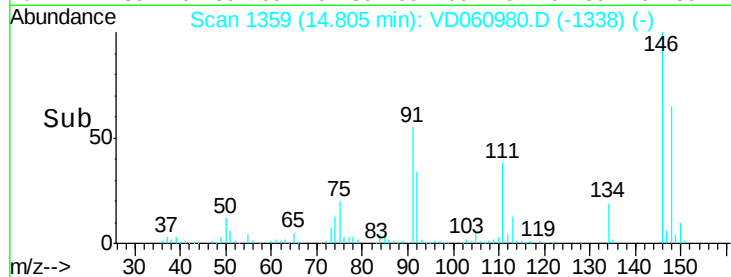
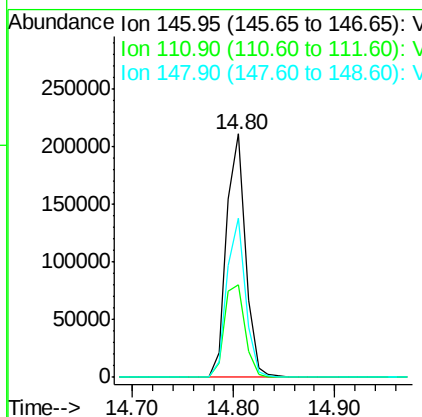
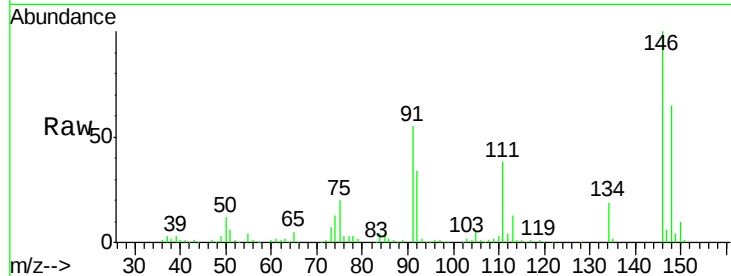




#91
 1,2-Dichlorobenzene
 Concen: 22.597 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

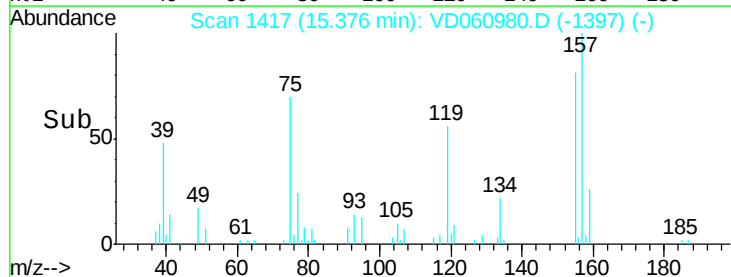
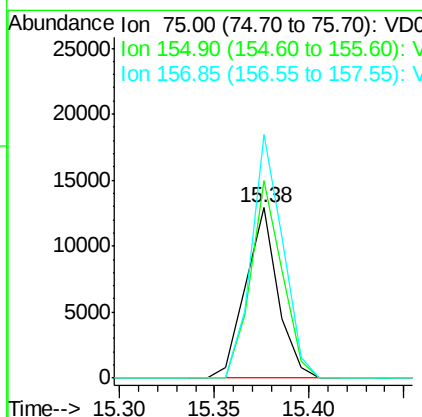
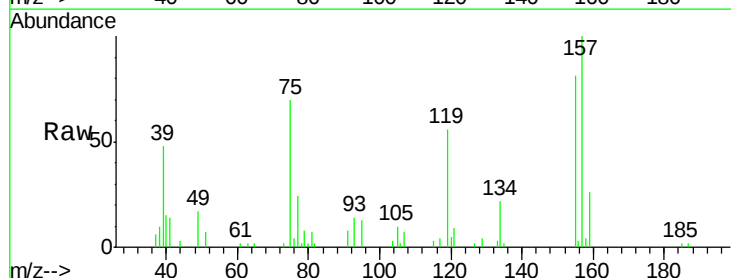
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

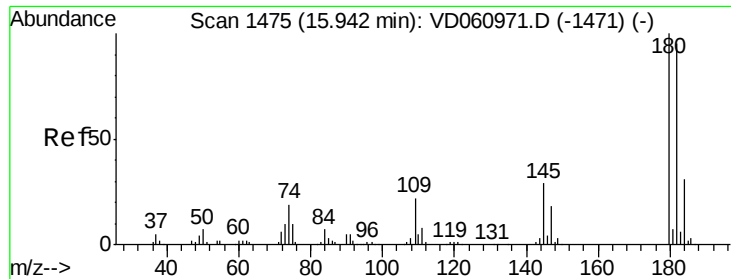
Tot Ion:146 Resp: 276917
 Ion Ratio Lower Upper
 146 100
 111 38.2 21.5 64.5
 148 65.2 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.149 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion: 75 Resp: 15277
 Ion Ratio Lower Upper
 75 100
 155 116.3 61.2 183.5
 157 143.0 78.3 234.8

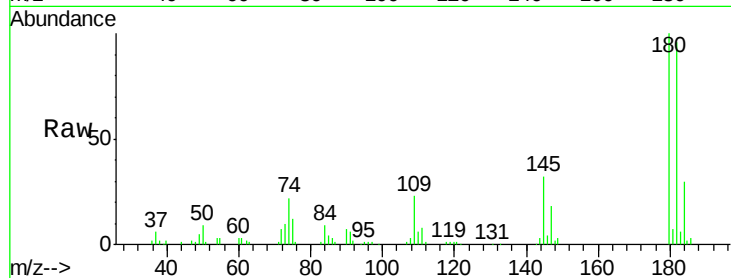




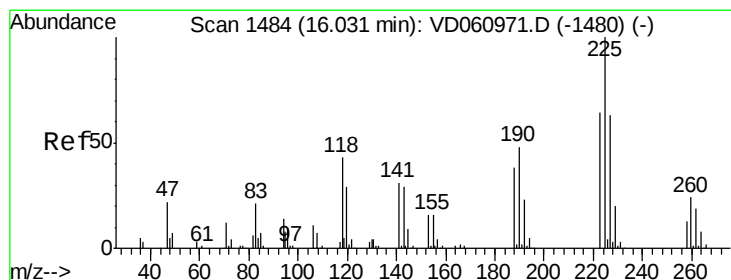
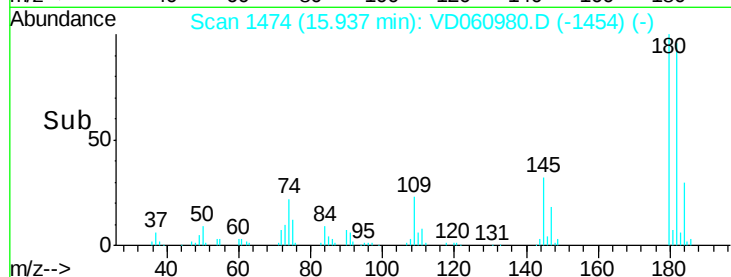
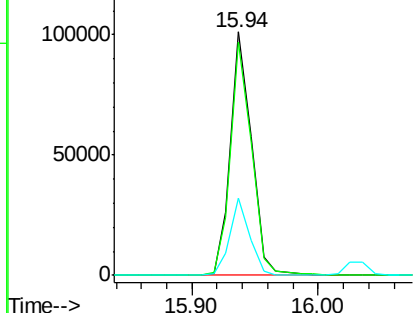
#93
 1,2,4-Trichlorobenzene
 Concen: 20.560 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0308SBS01

Tot Ion:180 Resp: 116881
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.3 142.0
 145 31.6 14.4 43.0

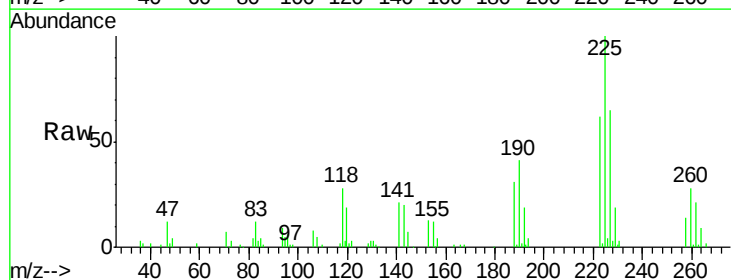


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

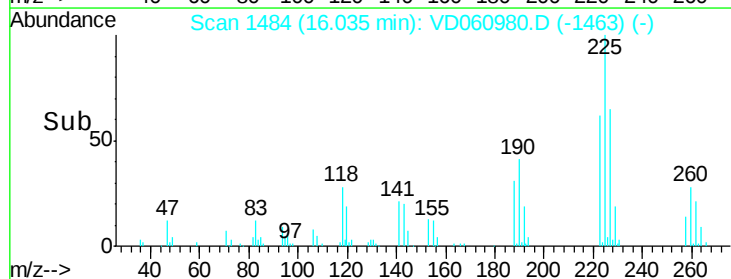
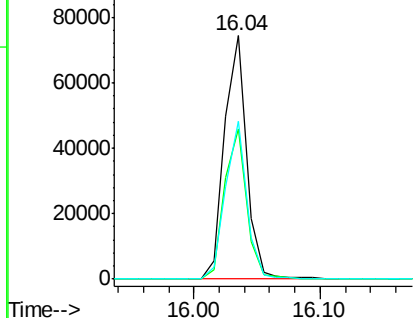


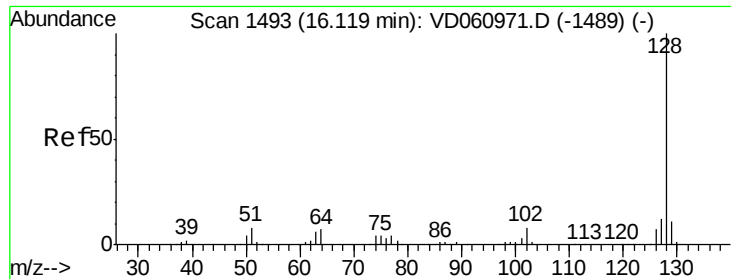
#94
 Hexachlorobutadiene
 Concen: 21.012 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060980.D
 Acq: 8 Mar 2019 13:30

Tgt Ion:225 Resp: 90350
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.8 95.3
 227 64.9 31.4 94.0



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

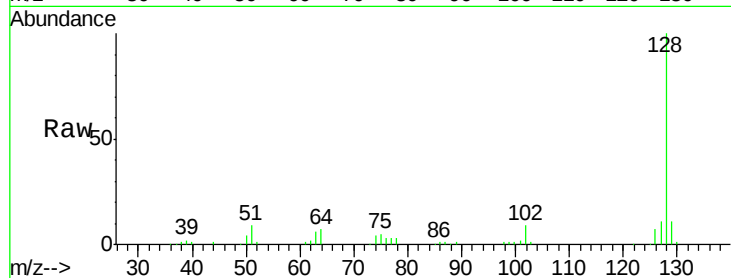




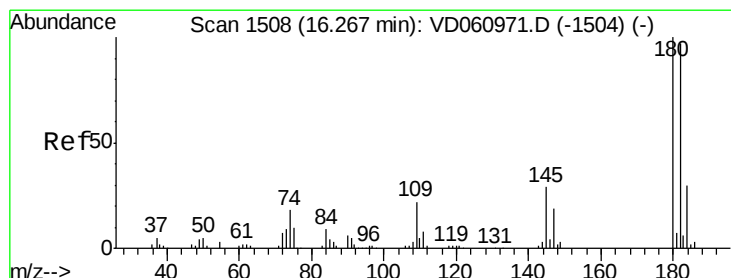
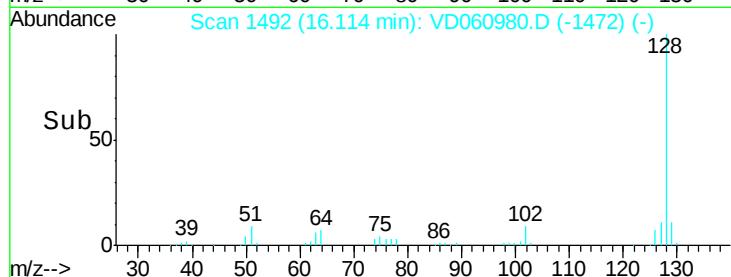
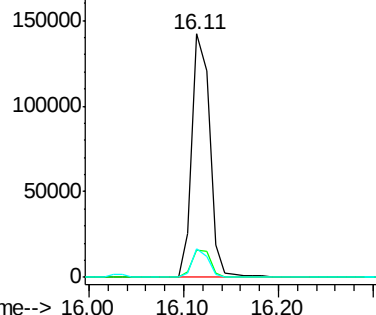
#95
Naphthalene
Concen: 21.566 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0308SBS01

Tot Ion:128 Resp: 186305
Ion Ratio Lower Upper
128 100
127 11.3 9.8 14.8
129 11.5 8.5 12.7

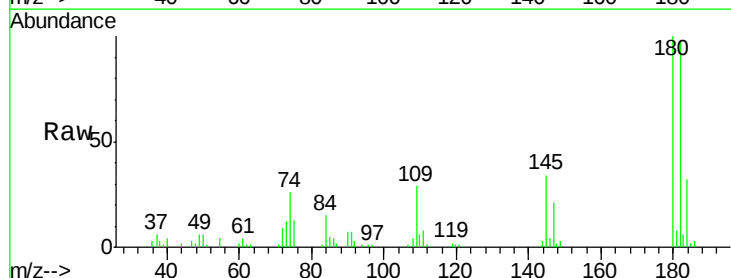


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.400 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD060980.D
Acq: 8 Mar 2019 13:30

Tgt Ion:180 Resp: 54470
Ion Ratio Lower Upper
180 100
182 97.8 48.6 145.8
145 34.4 14.3 42.9



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

