

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061225.D
 Acq On : 21 Mar 2019 00:57
 Operator : VA/AP
 Sample : VD0320SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Quant Time: Mar 22 02:05:05 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	590316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1014488	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	886910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	365204	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	252219	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	6.92	113	379579	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.41	98	947108	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	13.56	95	340928	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	108427	18.543	ug/l	99
3) Chloromethane	1.76	50	92591	19.008	ug/l	99
4) Vinyl Chloride	1.86	62	84820	18.845	ug/l	100
5) Bromomethane	2.16	94	15993	17.355	ug/l #	79
6) Chloroethane	2.27	64	24389	18.103	ug/l	90
7) Trichlorofluoromethane	2.53	101	123246	19.061	ug/l	100
8) Diethyl Ether	2.87	74	46722	21.904	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	147995	20.472	ug/l	96
10) Methyl Iodide	3.31	142	165465	18.579	ug/l	100
11) Tert butyl alcohol	4.07	59	34598	110.602	ug/l	96
12) 1,1-Dichloroethene	3.13	96	117277	19.792	ug/l	92
13) Acrolein	3.04	56	24247	53.571	ug/l	97
14) Allyl chloride	3.62	41	187709	19.799	ug/l	98
15) Acrylonitrile	4.19	53	129761	117.368	ug/l	97
16) Acetone	3.22	43	121285	86.317	ug/l	97
17) Carbon Disulfide	3.38	76	337352	16.877	ug/l	99
18) Methyl Acetate	3.64	43	58671	21.217	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	249170	23.994	ug/l	92
20) Methylene Chloride	3.82	84	148726	20.458	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	136346	21.259	ug/l	96
22) Diisopropyl ether	5.12	45	410846	20.875	ug/l	97
23) Vinyl Acetate	5.05	43	1070852	105.990	ug/l	100
24) 1,1-Dichloroethane	4.98	63	224374	20.807	ug/l	99
25) 2-Butanone	6.06	43	170033	106.643	ug/l	99
26) 2,2-Dichloropropane	6.02	77	174713	20.754	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	157486	23.143	ug/l	95
28) Bromochloromethane	6.44	49	91195	19.977	ug/l	89
29) Tetrahydrofuran	6.45	42	93970	108.539	ug/l	99
30) Chloroform	6.66	83	249392	22.315	ug/l	99
31) Cyclohexane	6.95	56	166685	19.170	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	195817	20.266	ug/l	95
36) 1,1-Dichloropropene	7.14	75	170546	19.503	ug/l	98
37) Ethyl Acetate	6.17	43	84179	20.514	ug/l	98
38) Carbon Tetrachloride	7.11	117	194088	20.149	ug/l	97

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 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)
39) Methylcyclohexane	8.86	83	166268	18.336	ug/l	97
40) Benzene	7.45	78	443089	20.278	ug/l	99
41) Methacrylonitrile	6.44	41	98611	20.892	ug/l	97
42) 1,2-Dichloroethane	7.57	62	140096	22.093	ug/l	99
43) Isopropyl Acetate	9.23	43	119381	21.004	ug/l #	94
44) Trichloroethene	8.53	130	159811	21.200	ug/l	96
45) 1,2-Dichloropropane	8.94	63	119120	20.750	ug/l	97
46) Dibromomethane	9.06	93	80181	22.019	ug/l	98
47) Bromodichloromethane	9.37	83	167879	20.430	ug/l #	98
48) Methyl methacrylate	9.12	41	68175	21.304	ug/l	98
49) 1,4-Dioxane	9.08	88	15234	470.785	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	375880	107.951	ug/l	99
52) Toluene	10.50	92	284756	20.957	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	165853	22.073	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	199934	22.146	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	99568	22.004	ug/l	97
56) Ethyl methacrylate	11.04	69	101716	21.475	ug/l	97
57) 1,3-Dichloropropane	11.40	76	157912	23.352	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	255421	101.880	ug/l	99
59) 2-Hexanone	11.53	43	270558	106.225	ug/l	98
60) Dibromochloromethane	11.67	129	161317	24.224	ug/l	97
61) 1,2-Dibromoethane	11.80	107	124349	23.623	ug/l	99
64) Tetrachloroethene	11.25	164	130059	21.723	ug/l	94
65) Chlorobenzene	12.39	112	381802	21.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	151052	24.372	ug/l	98
67) Ethyl Benzene	12.52	91	583871	22.556	ug/l	99
68) m/p-Xylenes	12.66	106	424161	41.749	ug/l	94
69) o-Xylene	13.04	106	205803	20.608	ug/l	93
70) Styrene	13.06	104	352966	21.645	ug/l	98
71) Bromoform	13.23	173	83668	20.927	ug/l	94
73) Isopropylbenzene	13.40	105	510471	19.395	ug/l	98
74) N-amyl acetate	13.26	43	157440	21.244	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	110438	21.507	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	117004	22.269	ug/l	99
77) Bromobenzene	13.66	156	153667	22.872	ug/l	98
78) n-propylbenzene	13.77	91	619947	20.120	ug/l	96
79) 2-Chlorotoluene	13.83	91	388392	22.896	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	428790	21.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	33413	21.570	ug/l	93
82) 4-Chlorotoluene	13.94	91	375608	18.730	ug/l	97
83) tert-Butylbenzene	14.19	119	521140	23.833	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	428790	21.460	ug/l	100
85) sec-Butylbenzene	14.36	105	544045	20.380	ug/l	98
86) p-Isopropyltoluene	14.49	119	496637	22.760	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	239241	19.942	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	266935	22.642	ug/l	97
89) n-Butylbenzene	14.80	91	418934	19.993	ug/l	97
90) Hexachloroethane	15.00	117	136480	22.150	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	235049	23.502	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13610	21.994	ug/l	84

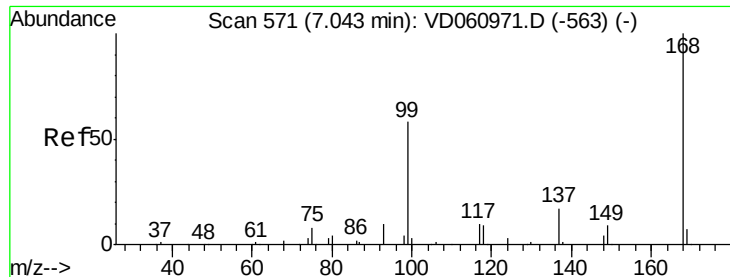
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	97946	21.111	ug/l	97
94) Hexachlorobutadiene	16.04	225	71127	20.268	ug/l	98
95) Naphthalene	16.12	128	150798	21.388	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	39732	17.339	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

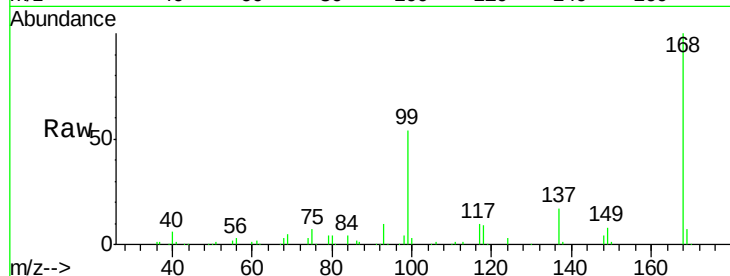
VD0320SBS02

Tot Ion:168 Resp: 590316

Ion Ratio Lower Upper

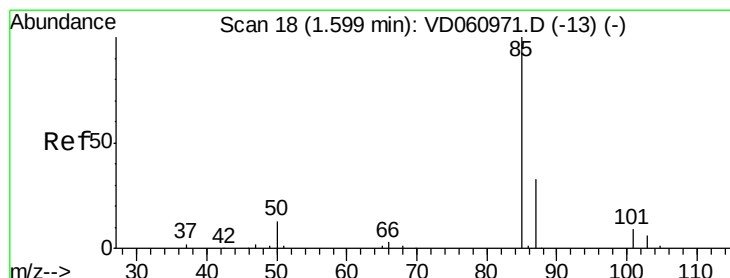
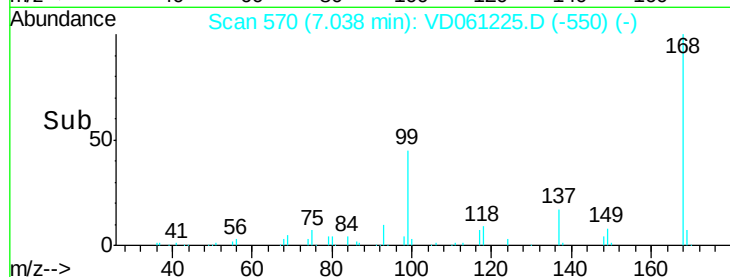
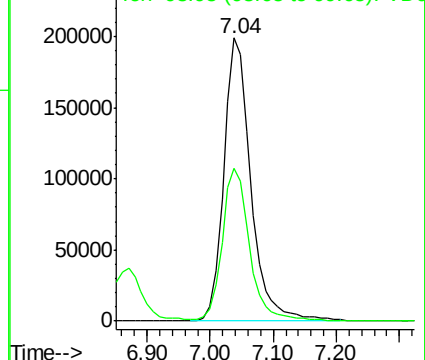
168 100

99 54.2 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: 18.543 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061225.D

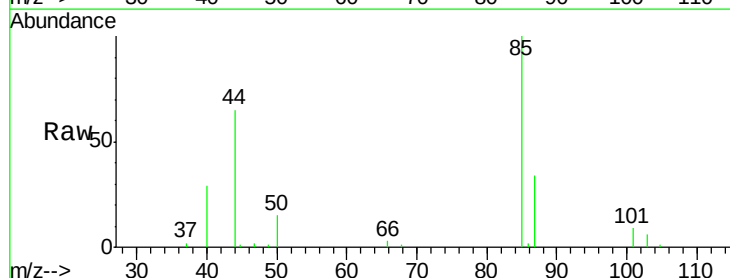
Acq: 21 Mar 2019 00:57

Tgt Ion: 85 Resp: 108427

Ion Ratio Lower Upper

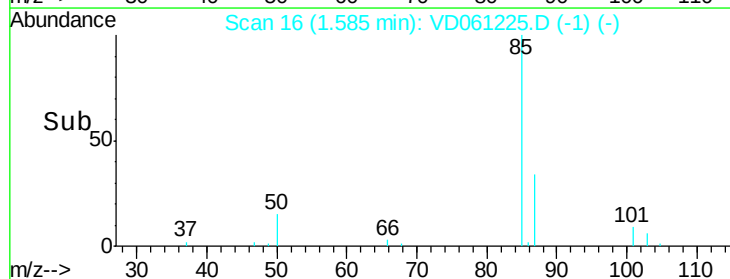
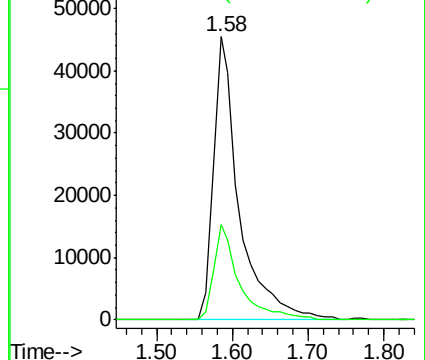
85 100

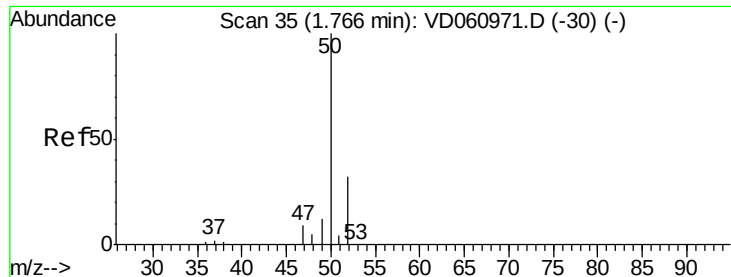
87 33.5 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.008 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

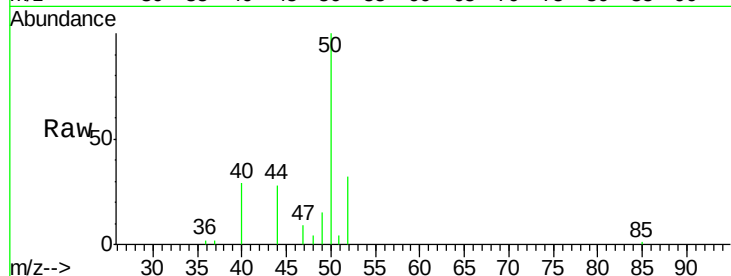
VD0320SBS02

Tot Ion: 50 Resp: 92591

Ion Ratio Lower Upper

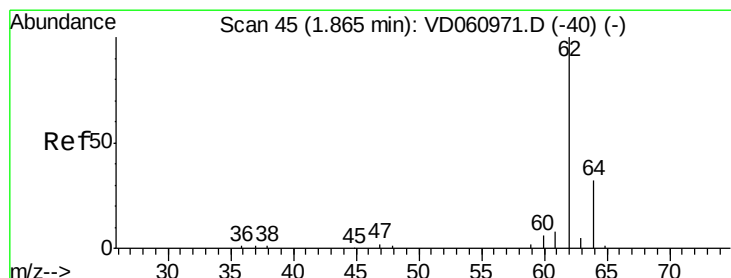
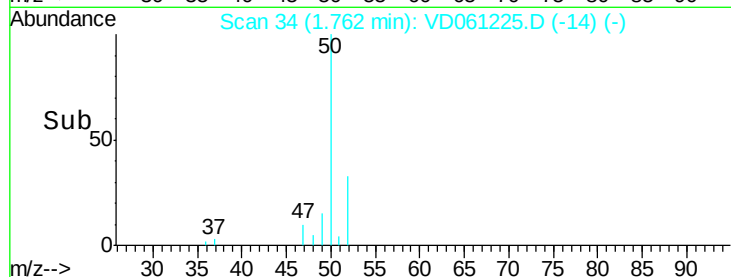
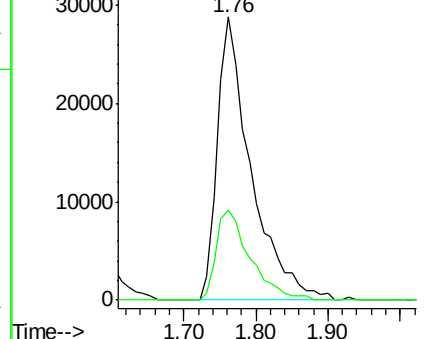
50 100

52 31.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.845 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD061225.D

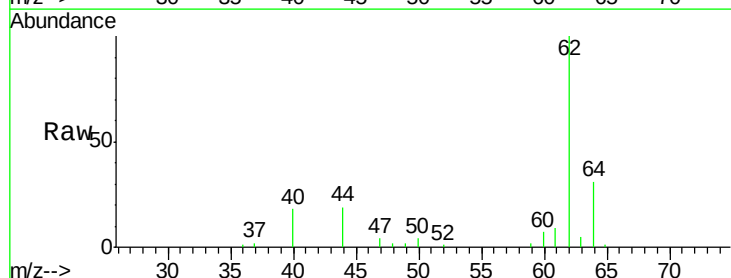
Acq: 21 Mar 2019 00:57

Tgt Ion: 62 Resp: 84820

Ion Ratio Lower Upper

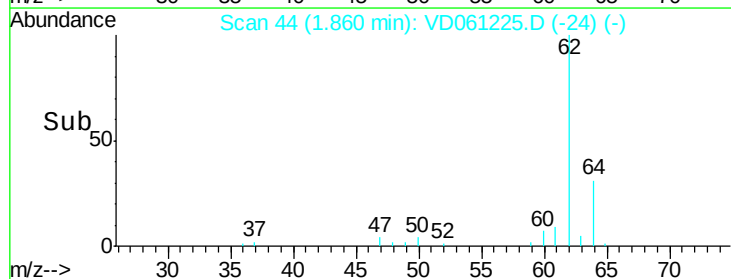
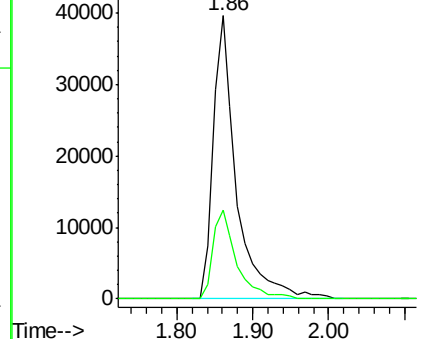
62 100

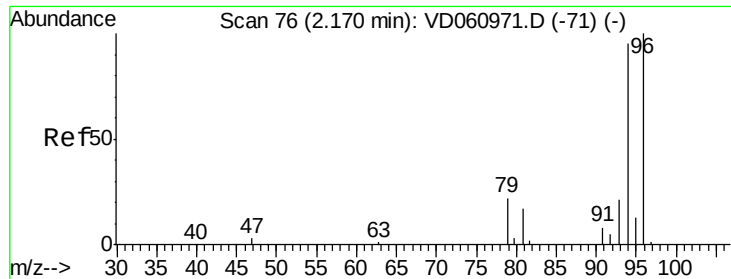
64 31.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.355 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

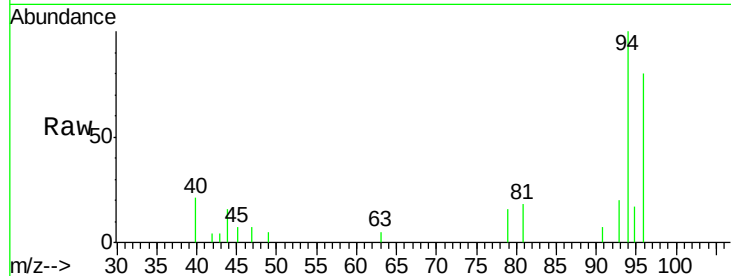
MSVOA_D

ClientSampleId :

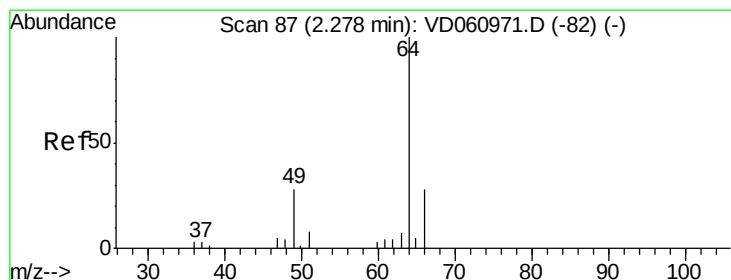
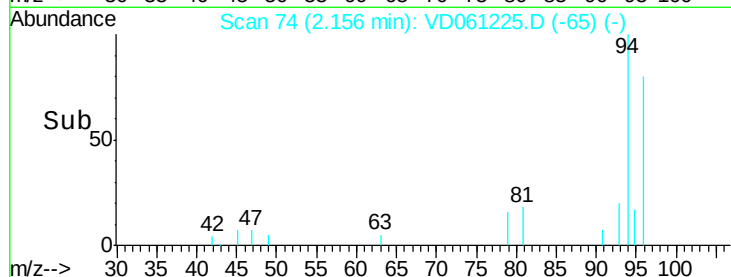
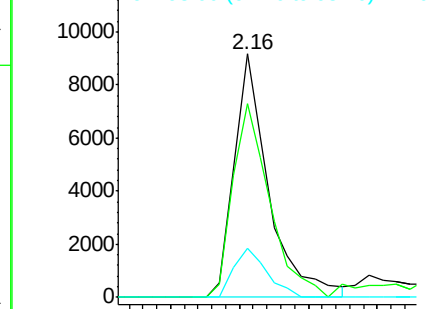
VD0320SBS02

Tot Ion: 94 Resp: 15993

Ion	Ratio	Lower	Upper
94	100		
96	79.6	84.0	126.0#
93	20.4	17.3	25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.103 ug/l

RT: 2.27 min Scan# 86

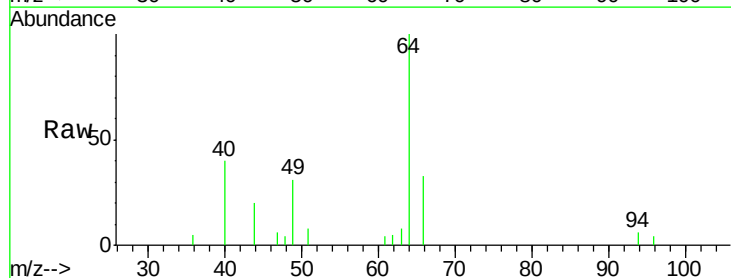
Delta R.T. -0.00 min

Lab File: VD061225.D

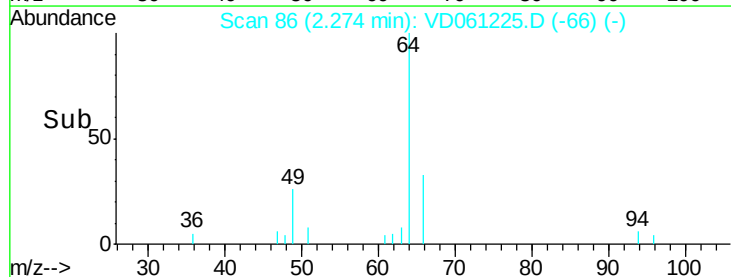
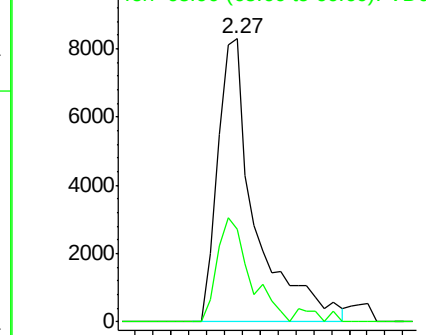
Acq: 21 Mar 2019 00:57

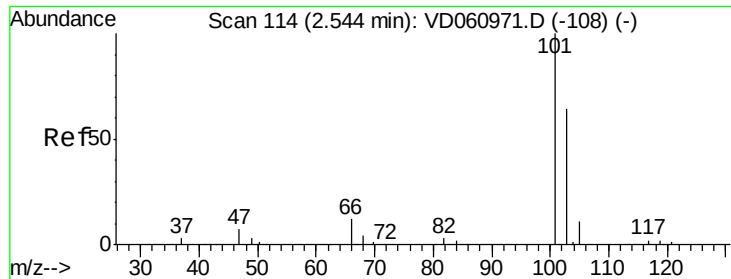
Tgt Ion: 64 Resp: 24389

Ion	Ratio	Lower	Upper
64	100		
66	32.9	22.2	33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



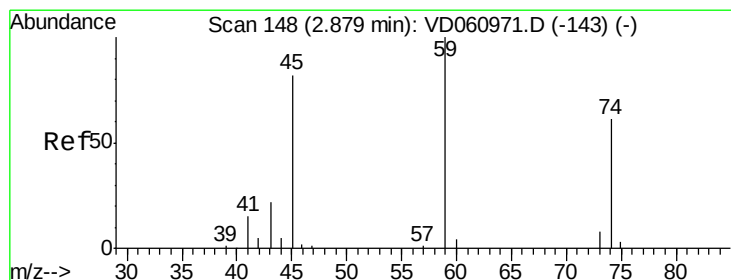
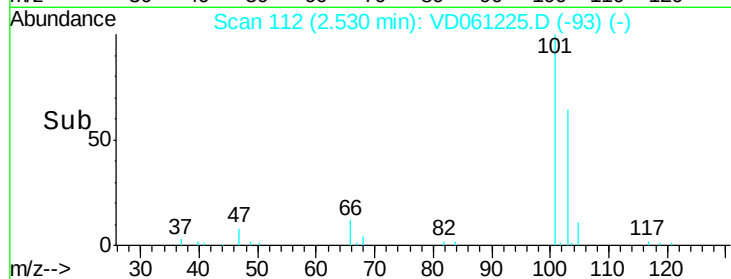
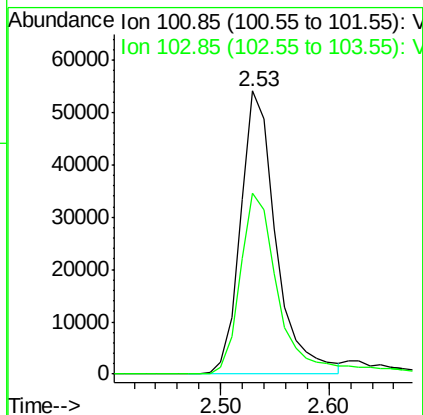
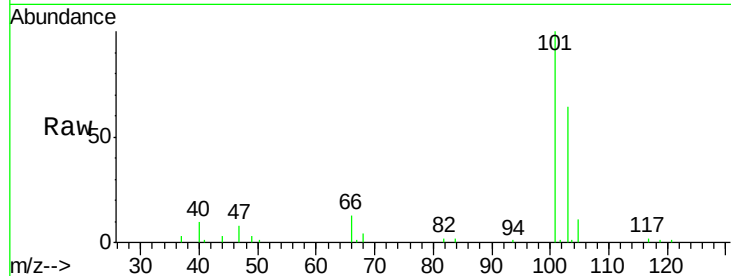


#7

Trichlorofluoromethane
 Concen: 19.061 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

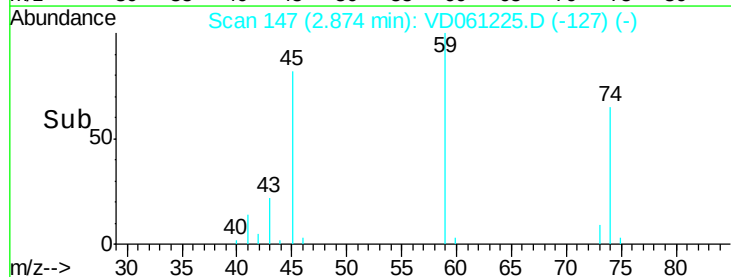
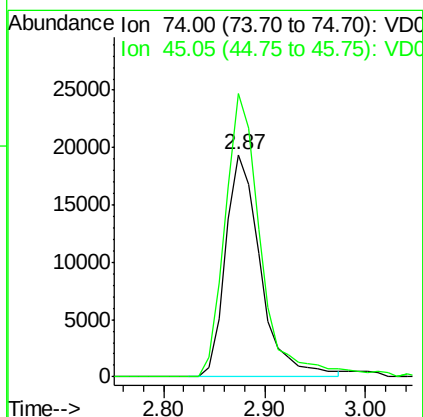
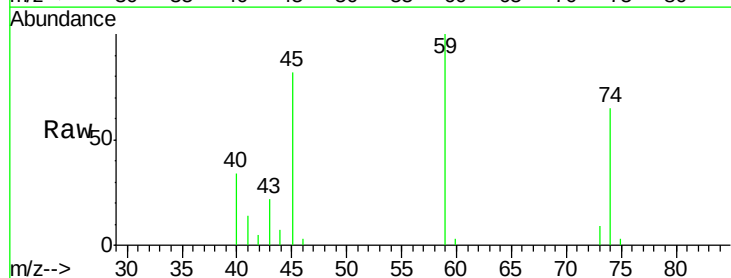
Tot Ion:101 Resp: 123246
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.2 76.8

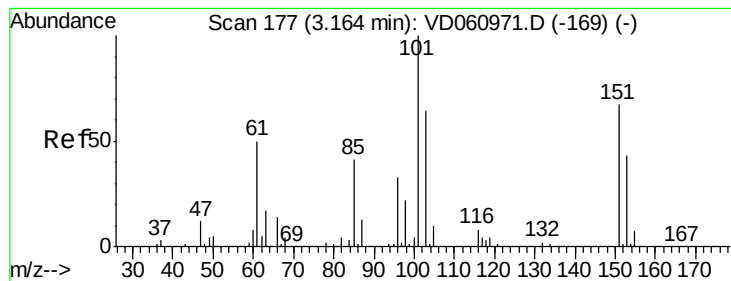


#8

Diethyl Ether
 Concen: 21.904 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 74 Resp: 46722
 Ion Ratio Lower Upper
 74 100
 45 127.4 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.472 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

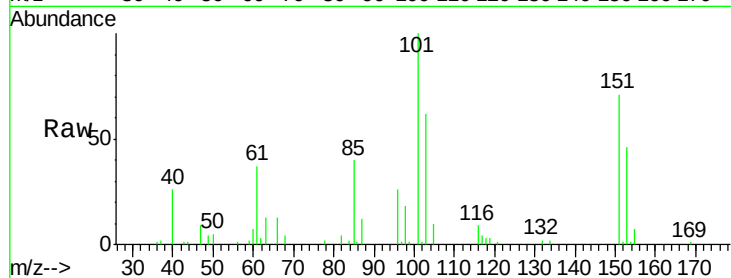
Tot Ion:101 Resp: 147995

Ion Ratio Lower Upper

101 100

85 40.0 32.5 48.7

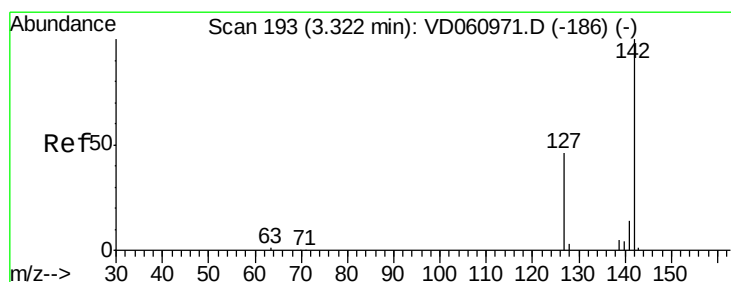
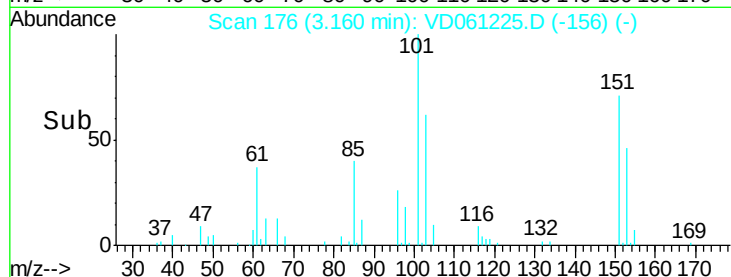
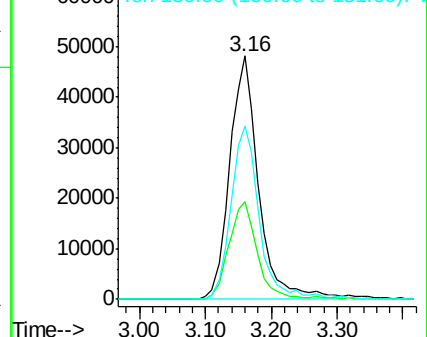
151 71.3 53.3 79.9



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: 18.579 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

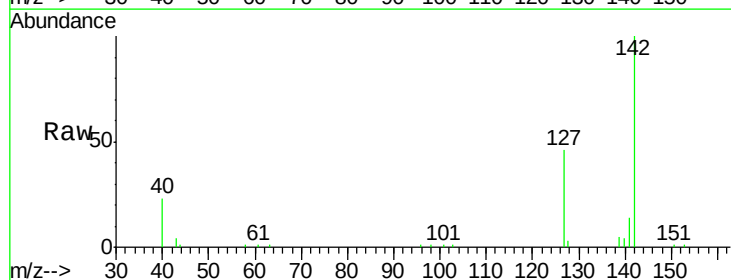
Tgt Ion:142 Resp: 165465

Ion Ratio Lower Upper

142 100

127 45.7 36.8 55.2

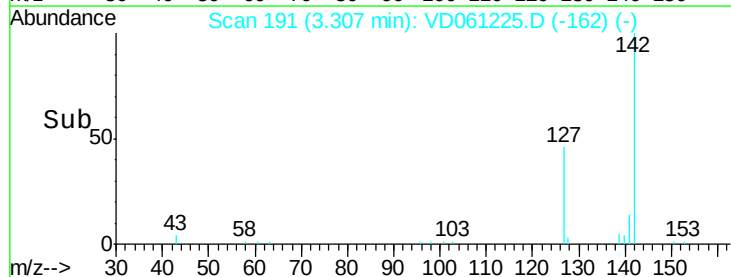
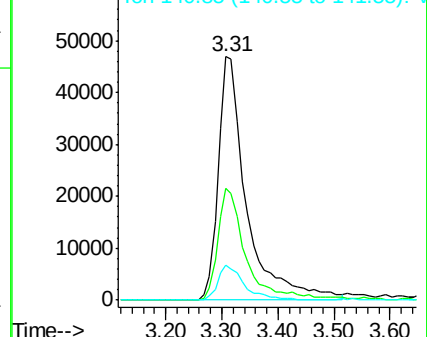
141 14.1 11.2 16.8

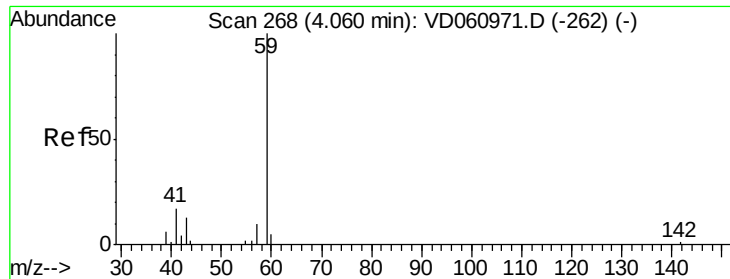


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



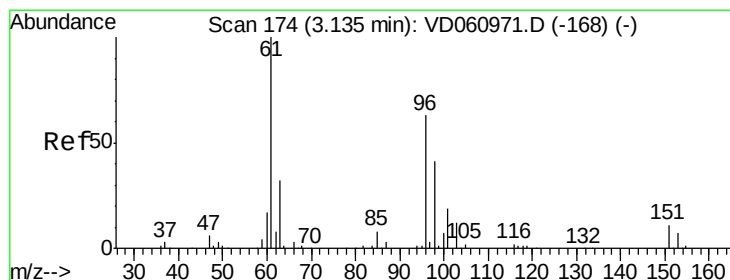
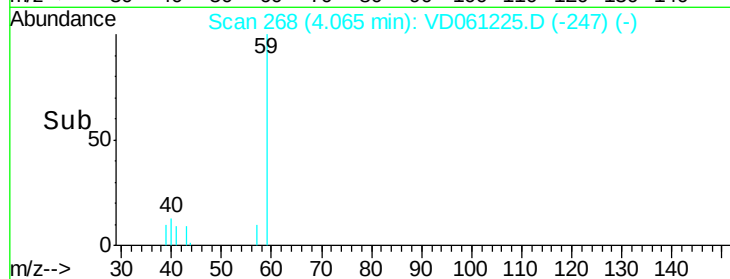
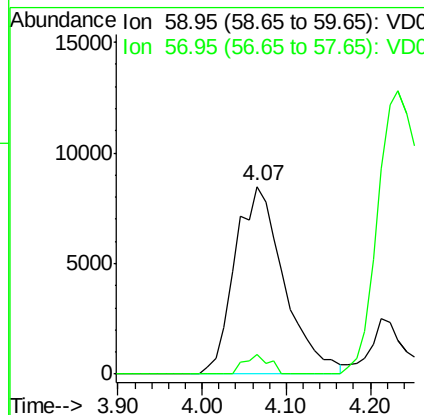
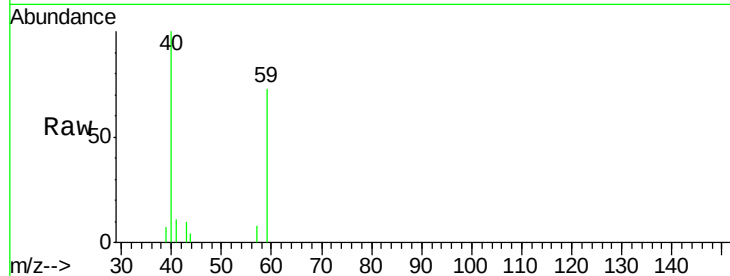


#11

Tert butyl alcohol
 Concen: 110.602 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

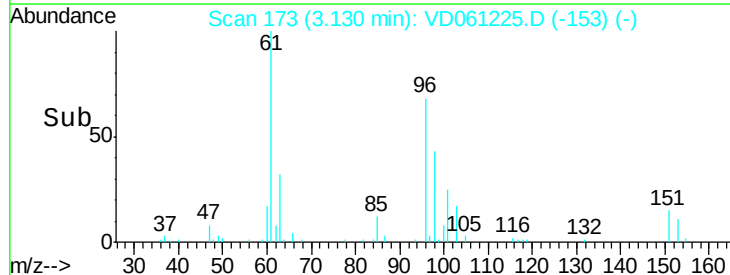
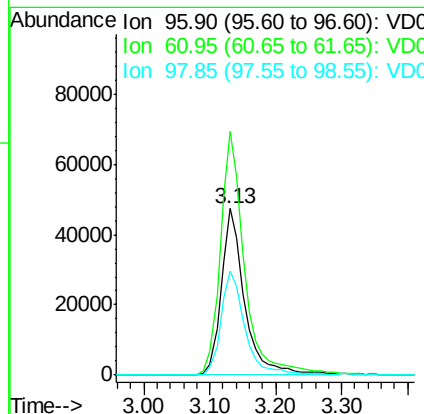
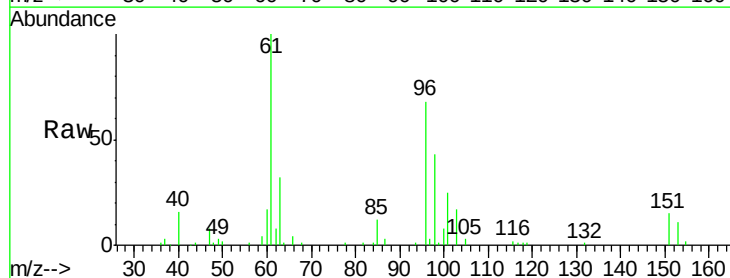
Tot Ion: 59 Resp: 34598
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.1 10.7

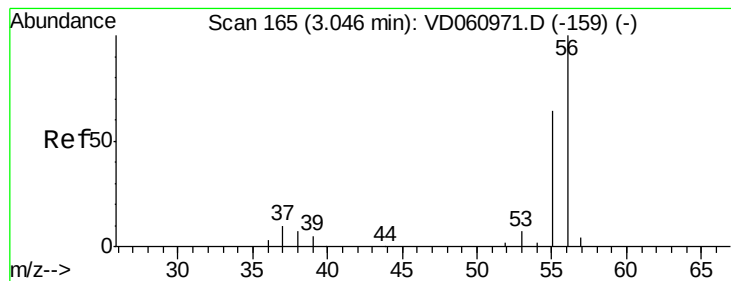


#12

1,1-Dichloroethene
 Concen: 19.792 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 96 Resp: 117277
 Ion Ratio Lower Upper
 96 100
 61 146.3 127.1 190.7
 98 62.5 51.5 77.3





#13

Acrolein

Concen: 53.571 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

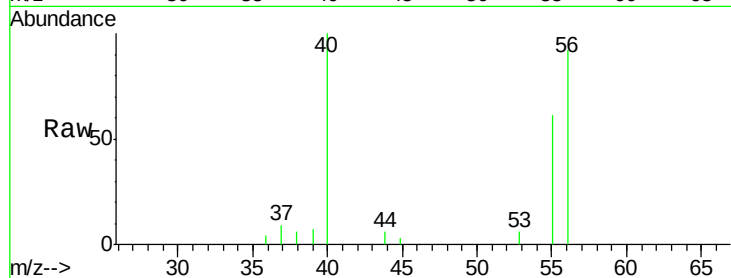
VD0320SBS02

Tot Ion: 56 Resp: 24247

Ion Ratio Lower Upper

56 100

55 66.5 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

6000

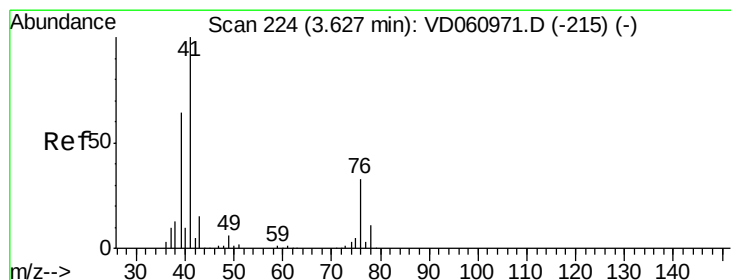
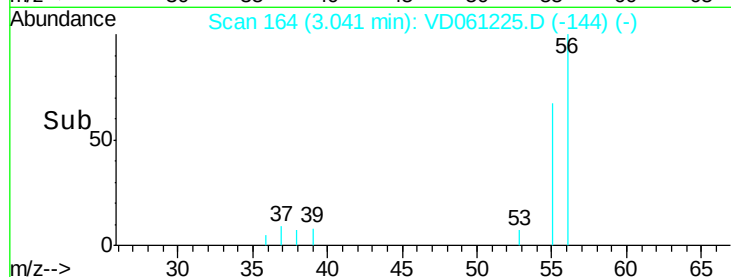
4000

2000

0

Time--> 2.90 3.00 3.10 3.20

3.04



#14

Allyl chloride

Concen: 19.799 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

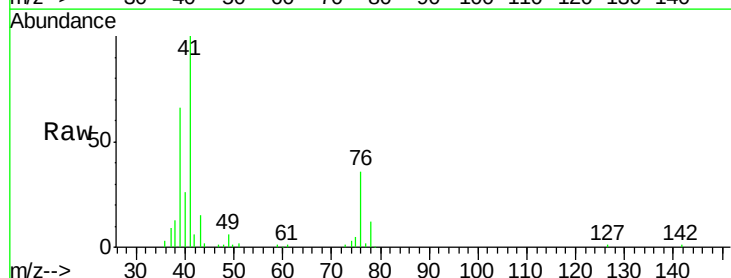
Tgt Ion: 41 Resp: 187709

Ion Ratio Lower Upper

41 100

39 66.3 51.1 76.7

76 35.7 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

80000

60000

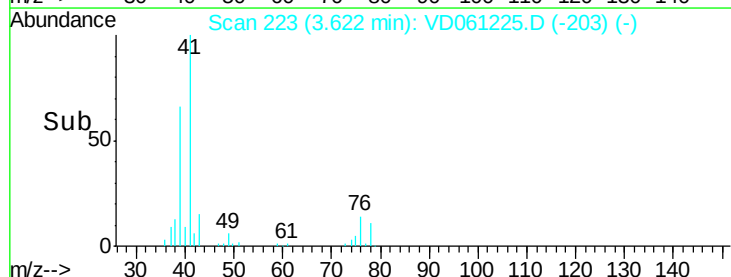
40000

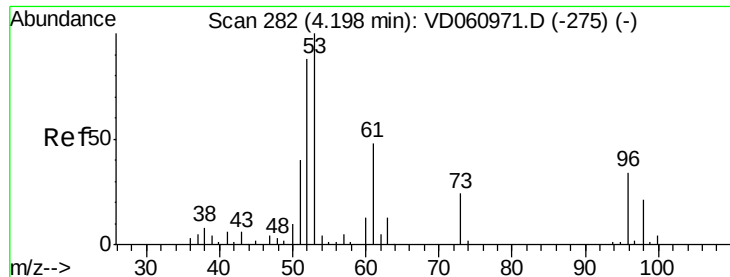
20000

0

Time--> 3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 117.368 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

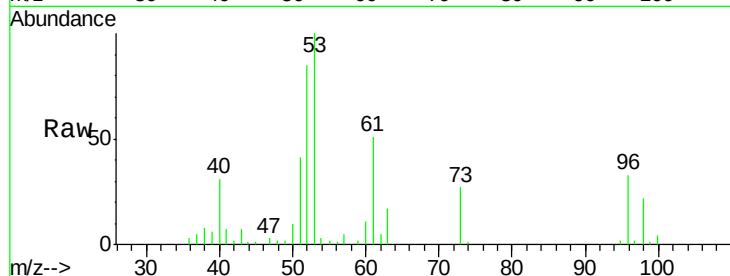
Tot Ion: 53 Resp: 129761

Ion Ratio Lower Upper

53 100

52 84.5 70.2 105.4

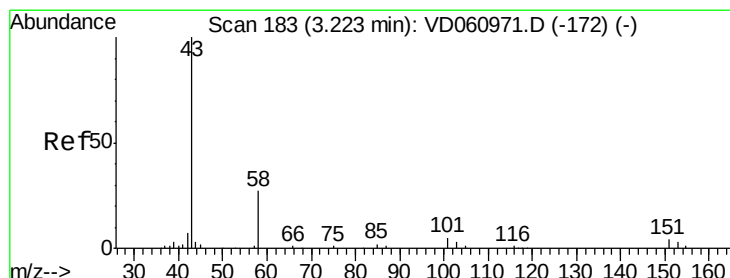
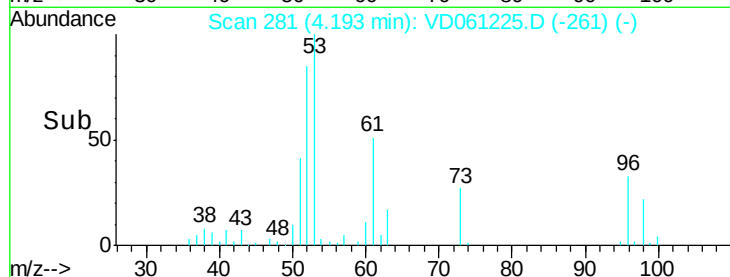
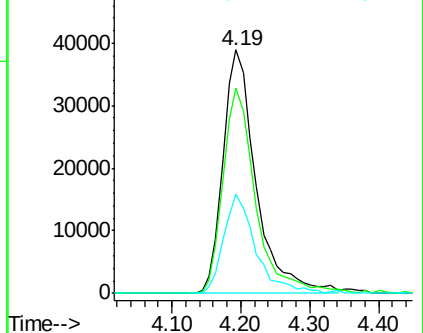
51 40.6 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 86.317 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061225.D

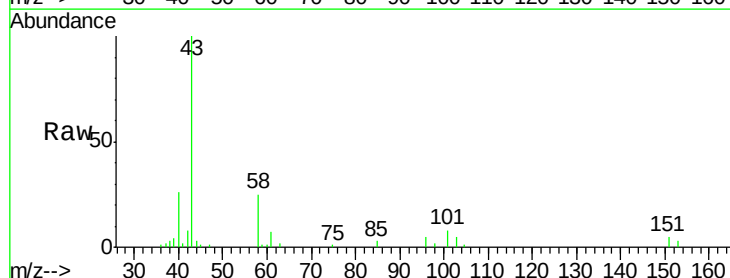
Acq: 21 Mar 2019 00:57

Tgt Ion: 43 Resp: 121285

Ion Ratio Lower Upper

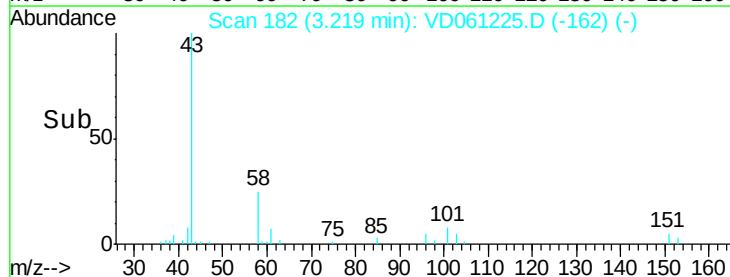
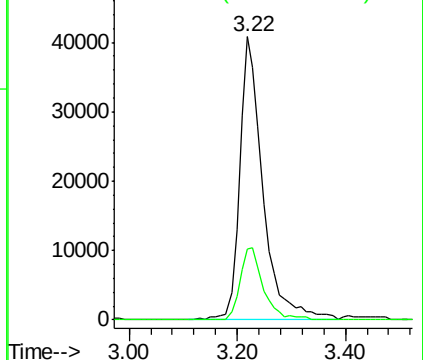
43 100

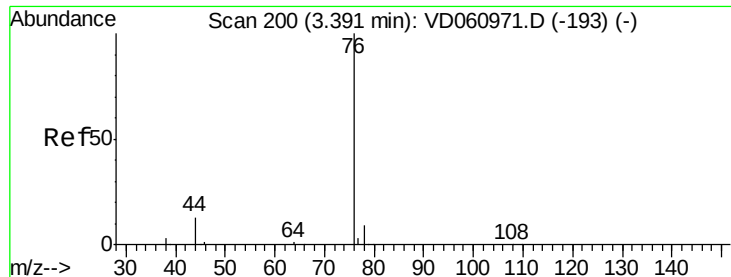
58 25.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

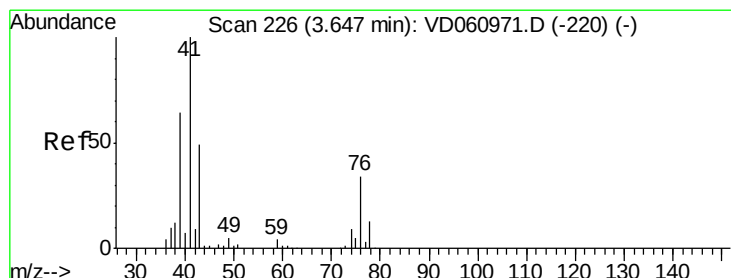
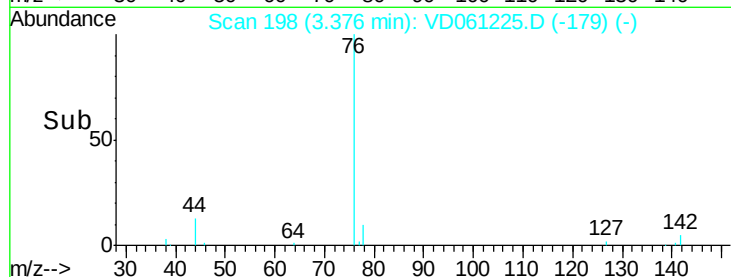
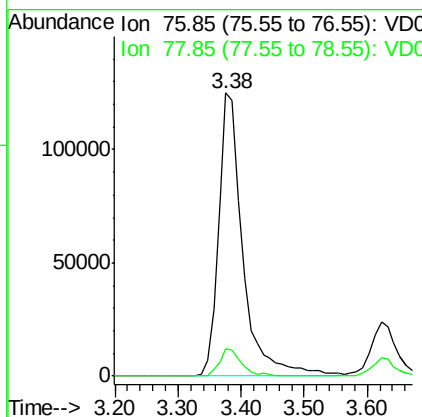
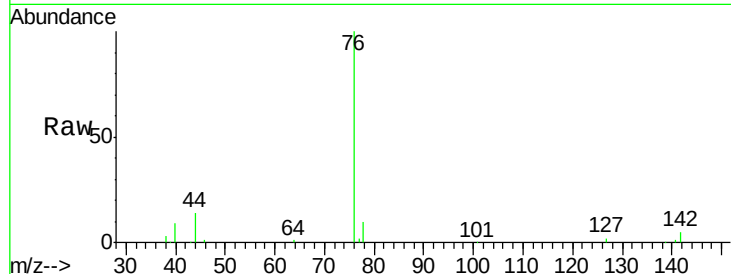




#17
Carbon Disulfide
Concen: 16.877 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

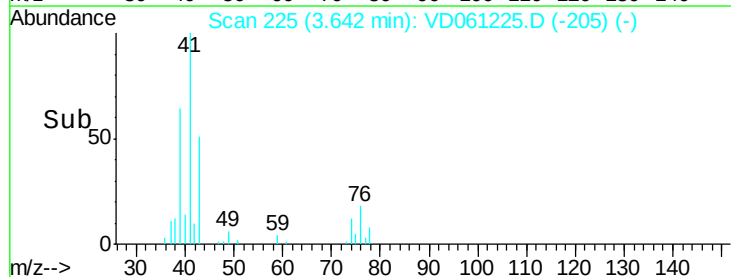
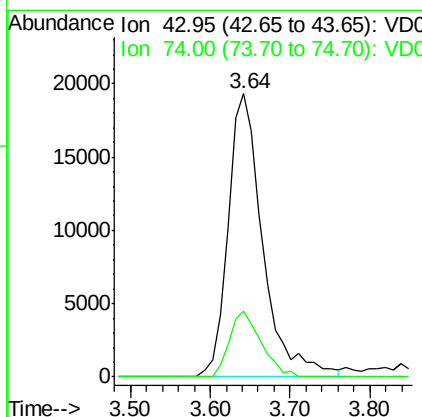
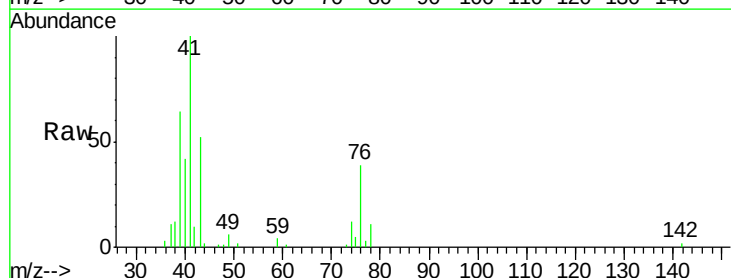
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

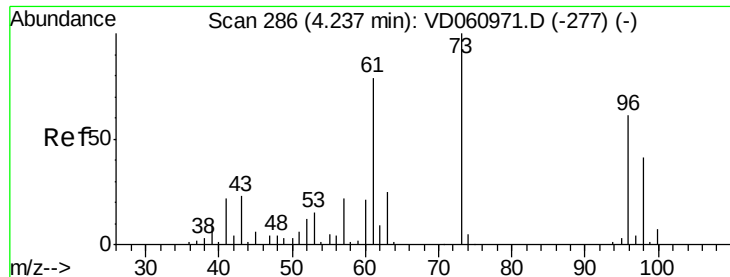
Tot Ion: 76 Resp: 337352
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 21.217 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion: 43 Resp: 58671
Ion Ratio Lower Upper
43 100
74 23.3 14.6 21.8#

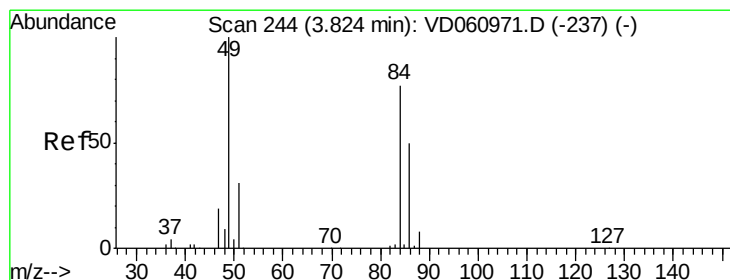
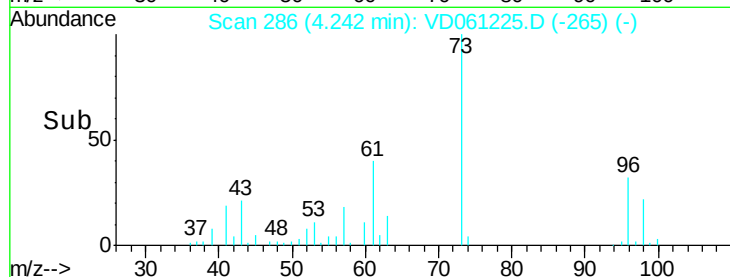
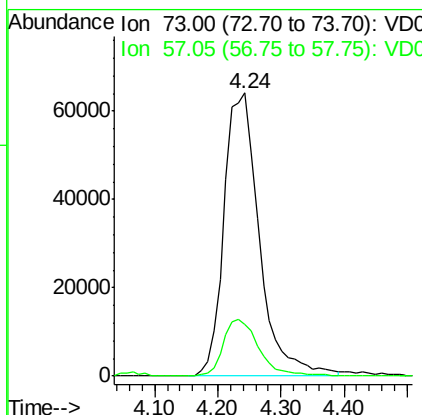
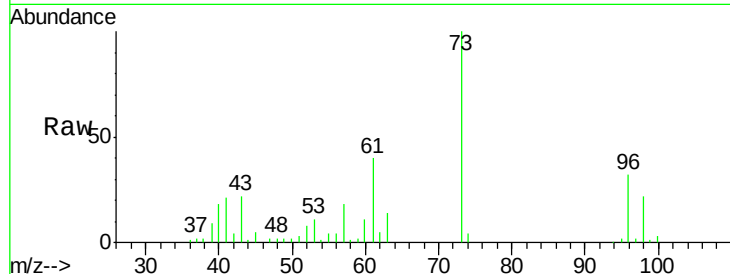




#19
Methyl tert-butyl Ether
Concen: 23.994 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

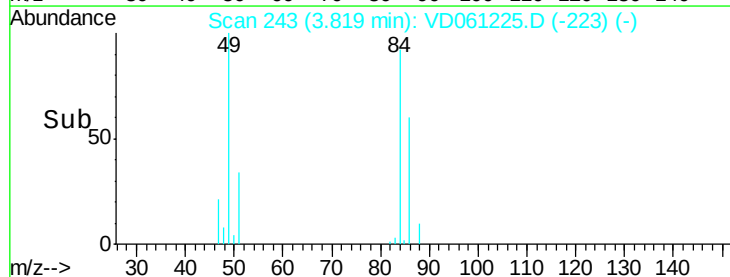
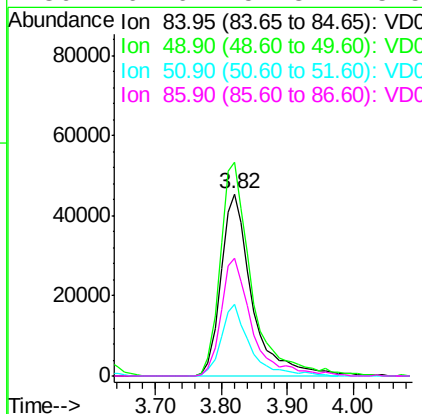
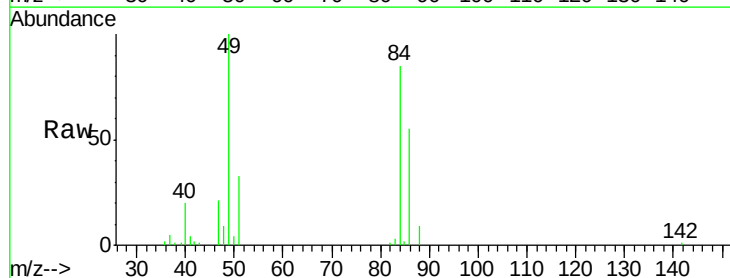
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

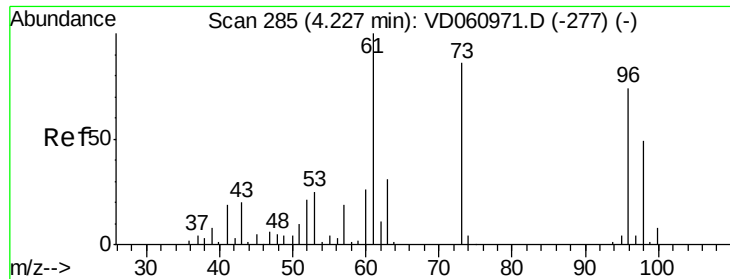
Tot Ion: 73 Resp: 249170
Ion Ratio Lower Upper
73 100
57 18.4 17.7 26.5



#20
Methylene Chloride
Concen: 20.458 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion: 84 Resp: 148726
Ion Ratio Lower Upper
84 100
49 117.3 104.2 156.2
51 39.1 32.3 48.5
86 64.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.259 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

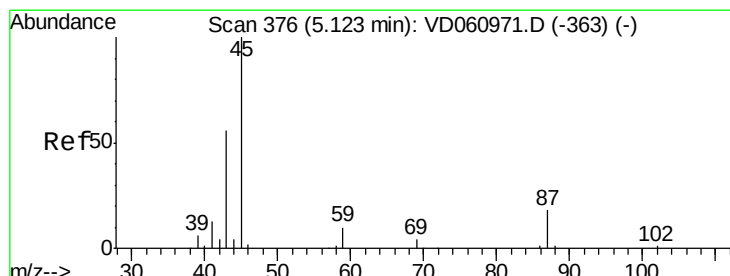
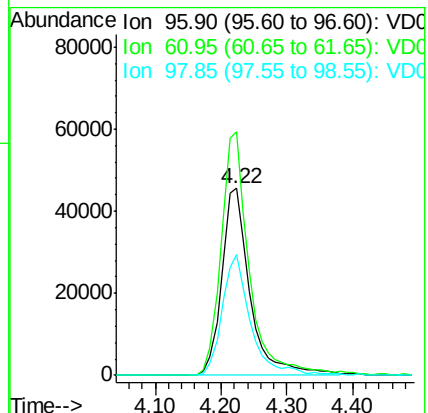
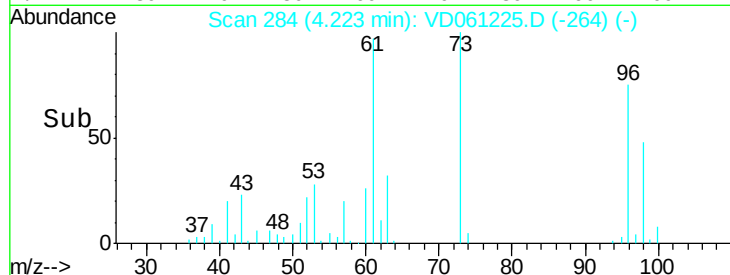
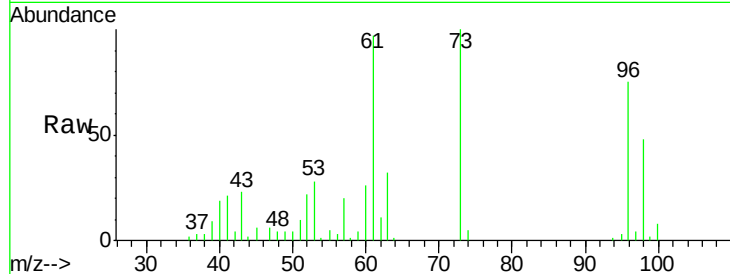
Tot Ion: 96 Resp: 136346

Ion Ratio Lower Upper

96 100

61 130.3 108.4 162.6

98 64.8 53.0 79.4



#22

Diisopropyl ether

Concen: 20.875 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Tgt Ion: 45 Resp: 410846

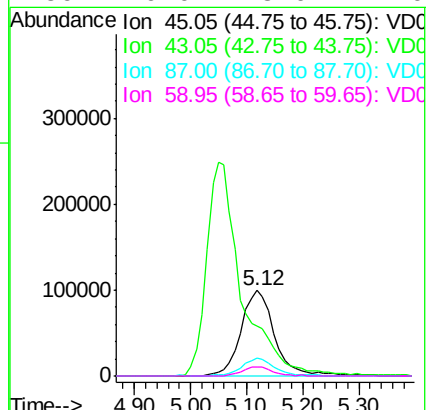
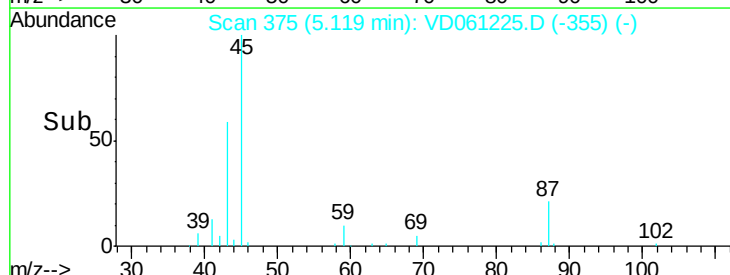
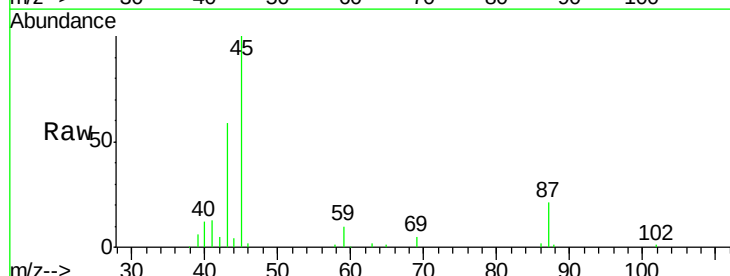
Ion Ratio Lower Upper

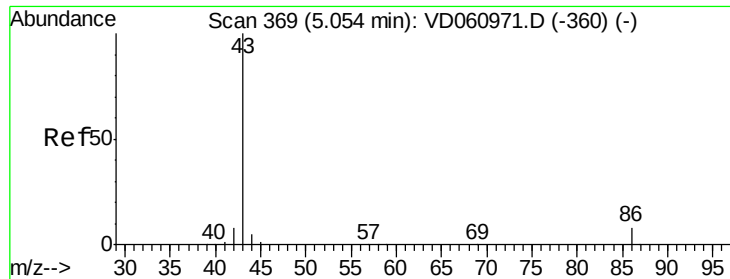
45 100

43 59.0 45.8 68.8

87 20.9 14.9 22.3

59 10.0 8.0 12.0





#23

Vinyl Acetate

Concen: 105.990 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

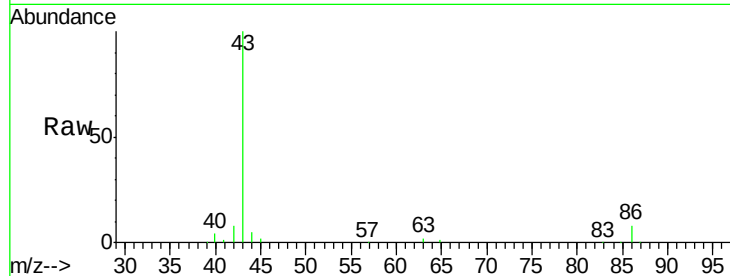
VD0320SBS02

Tot Ion: 43 Resp: 1070852

Ion Ratio Lower Upper

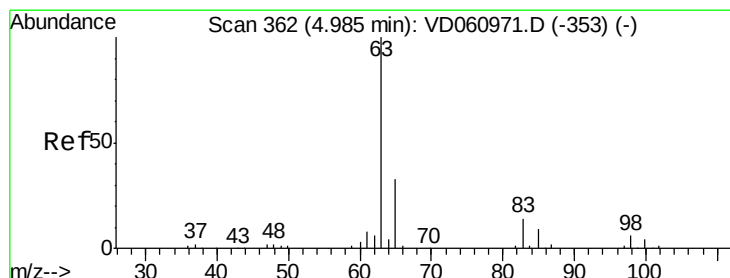
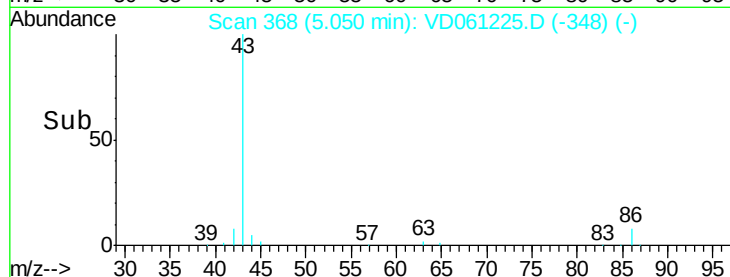
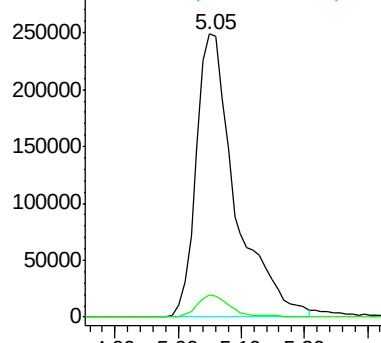
43 100

86 7.7 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: 20.807 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

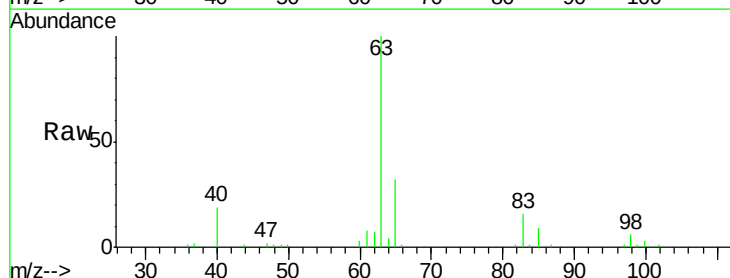
Tgt Ion: 63 Resp: 224374

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

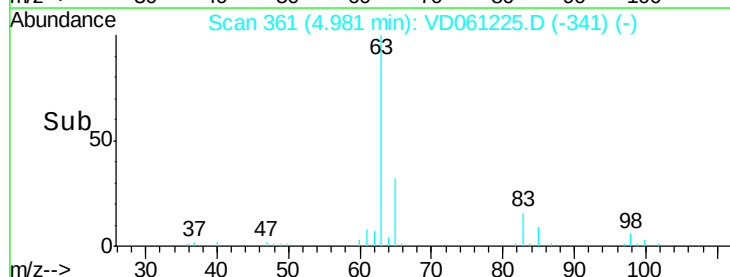
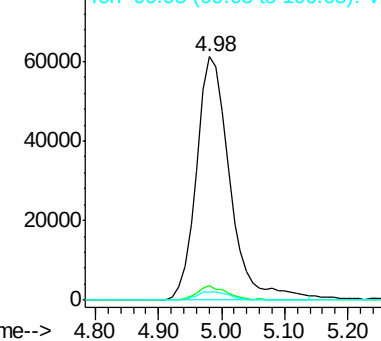
100 3.3 2.0 5.8

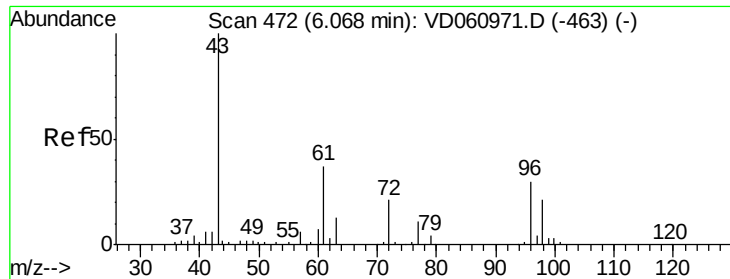


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 106.643 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

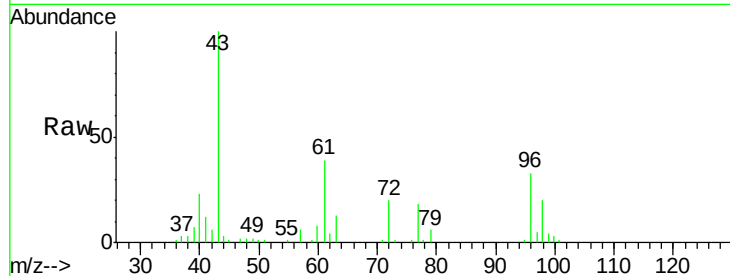
VD0320SBS02

Tot Ion: 43 Resp: 170033

Ion Ratio Lower Upper

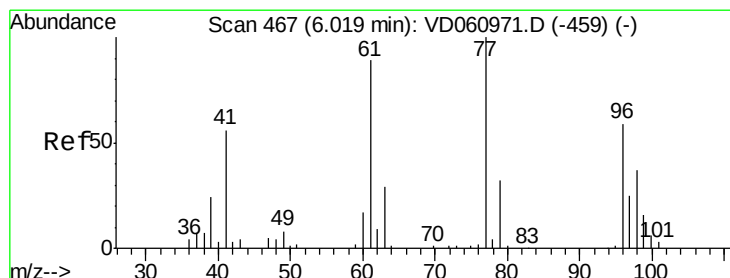
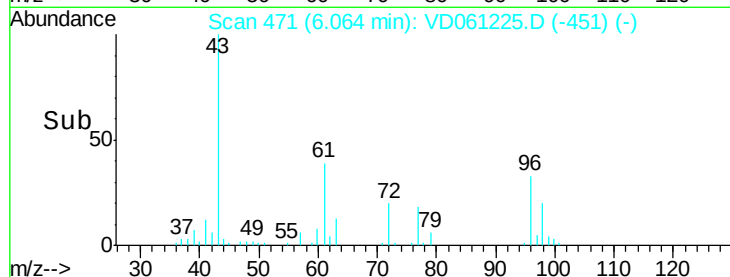
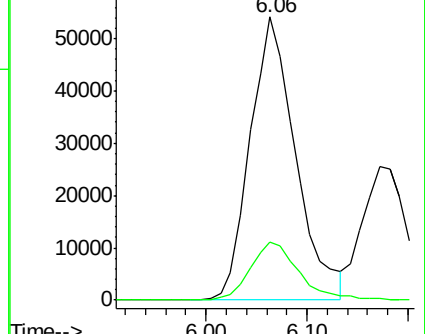
43 100

72 20.3 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: 20.754 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD061225.D

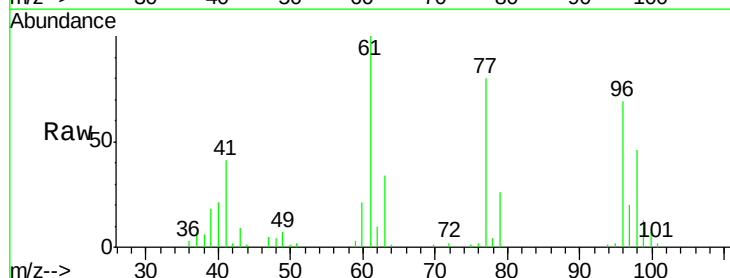
Acq: 21 Mar 2019 00:57

Tgt Ion: 77 Resp: 174713

Ion Ratio Lower Upper

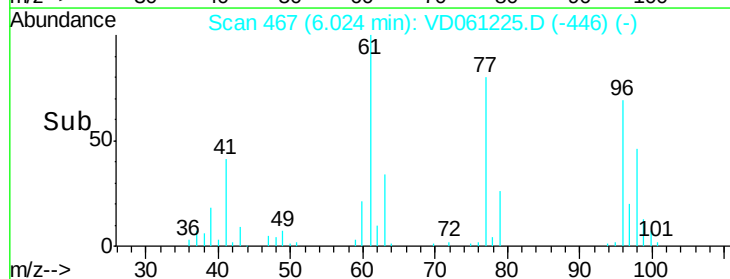
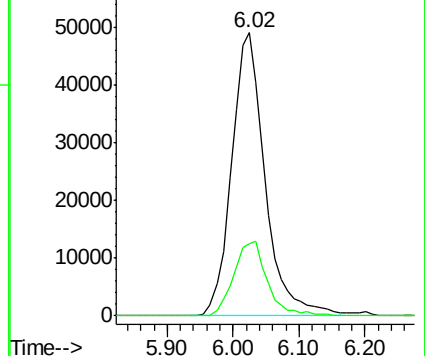
77 100

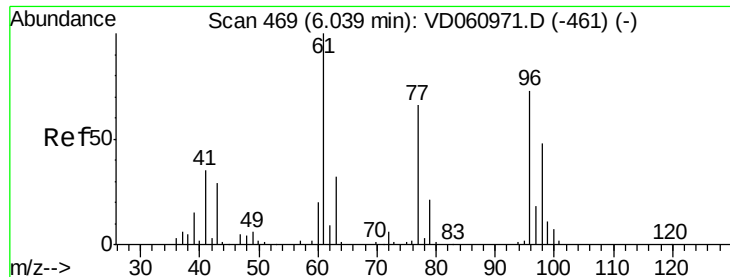
97 25.3 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



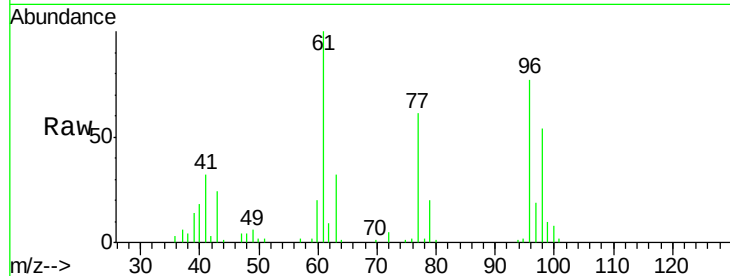


#27

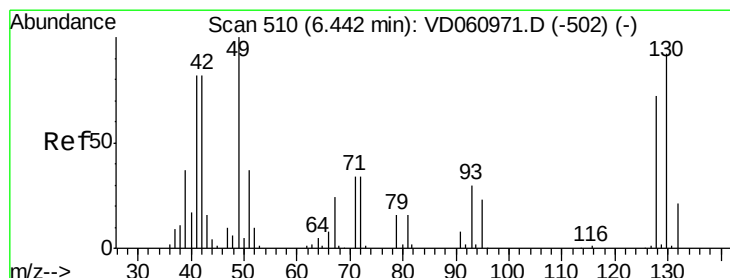
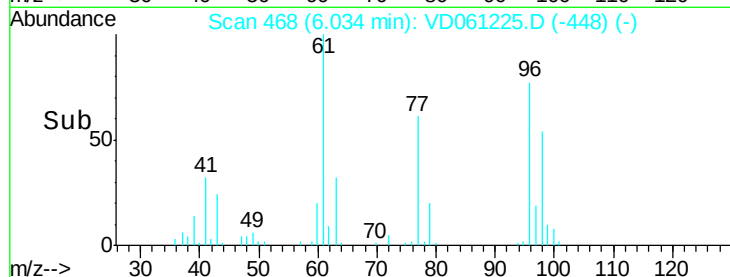
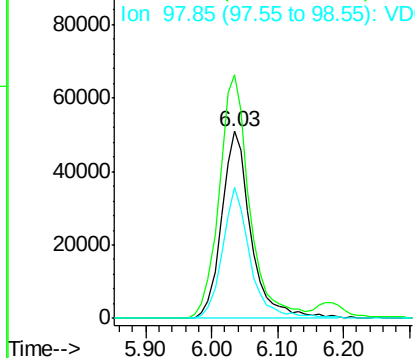
cis-1,2-Dichloroethene
 Concen: 23.143 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Tot Ion: 96 Resp: 157486
 Ion Ratio Lower Upper
 96 100
 61 130.0 0.0 273.6
 98 69.9 0.0 132.6



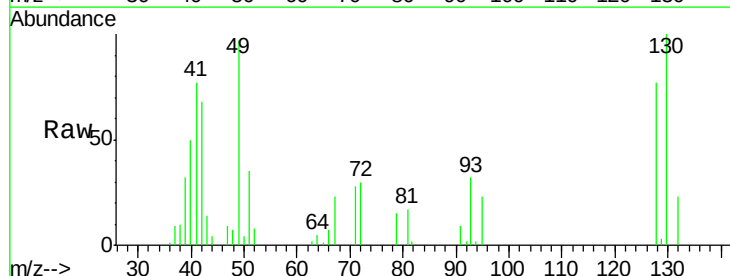
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



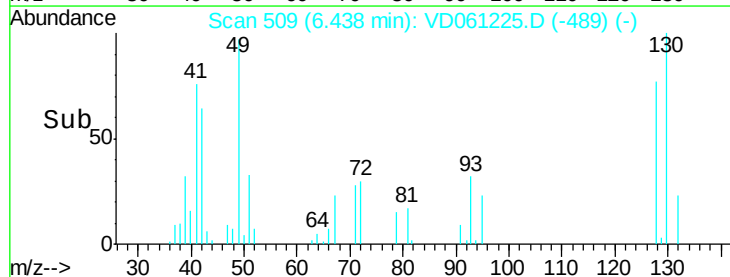
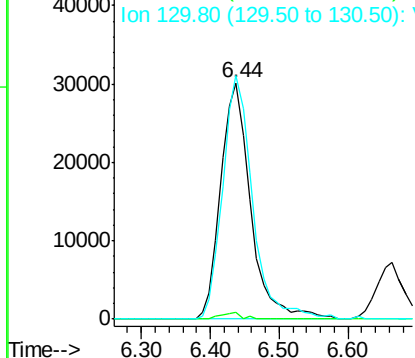
#28

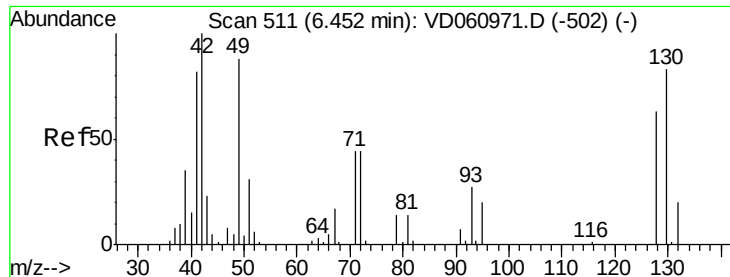
Bromochloromethane
 Concen: 19.977 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 49 Resp: 91195
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.0
 130 103.1 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: 108.539 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

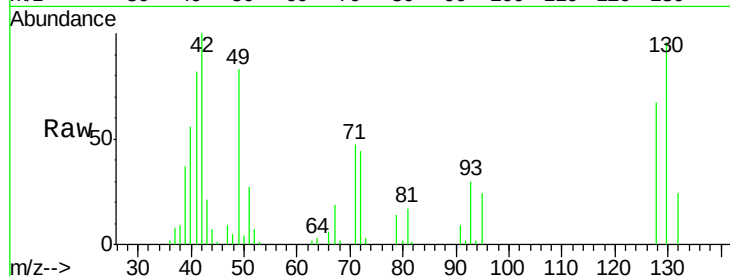
Tot Ion: 42 Resp: 93970

Ion Ratio Lower Upper

42 100

72 44.3 34.5 51.7

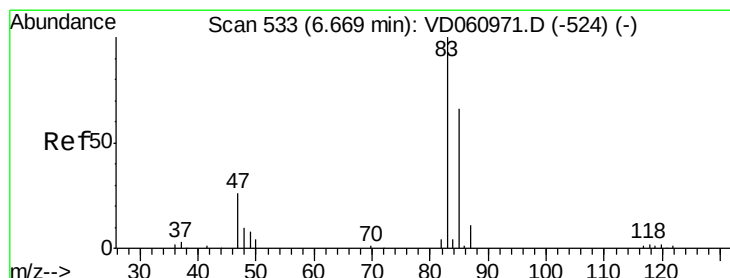
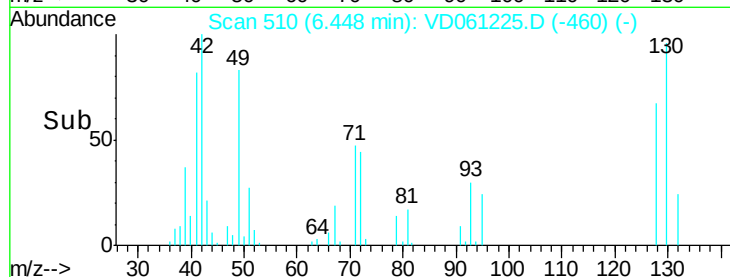
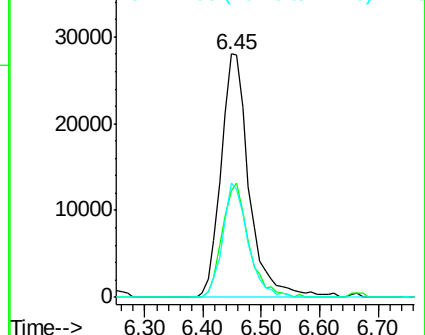
71 42.0 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.315 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD061225.D

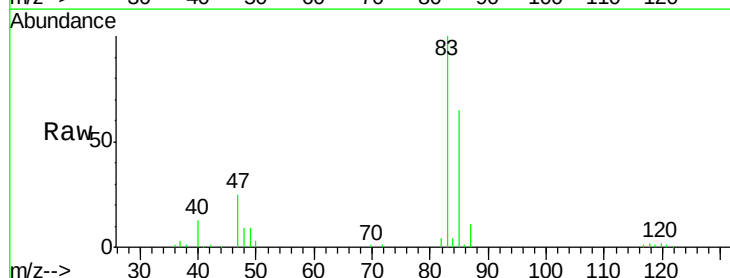
Acq: 21 Mar 2019 00:57

Tgt Ion: 83 Resp: 249392

Ion Ratio Lower Upper

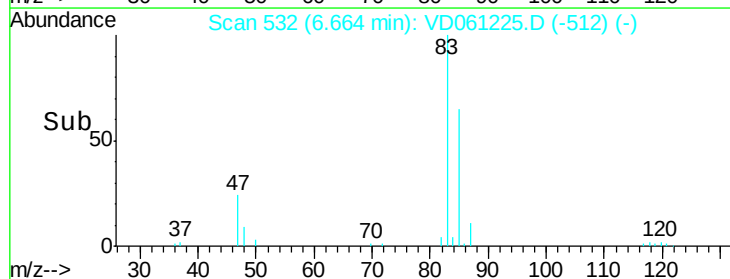
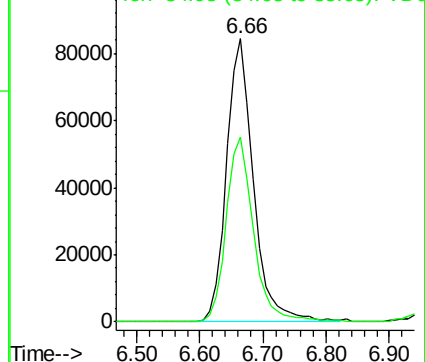
83 100

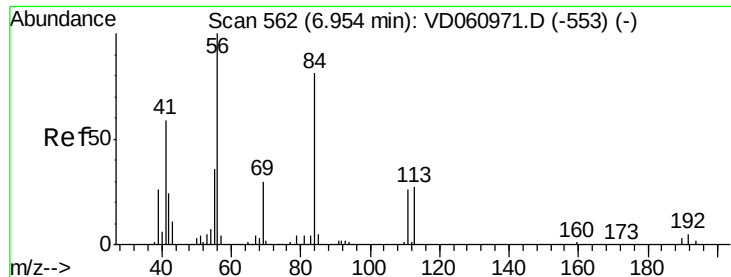
85 65.4 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

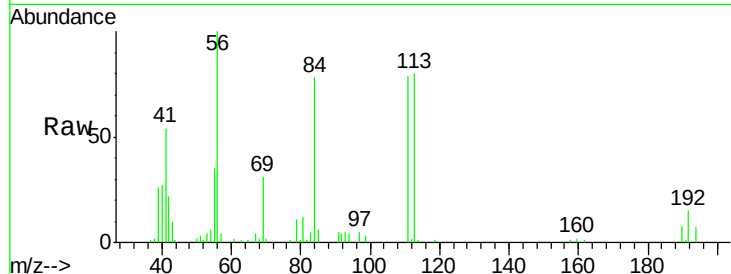




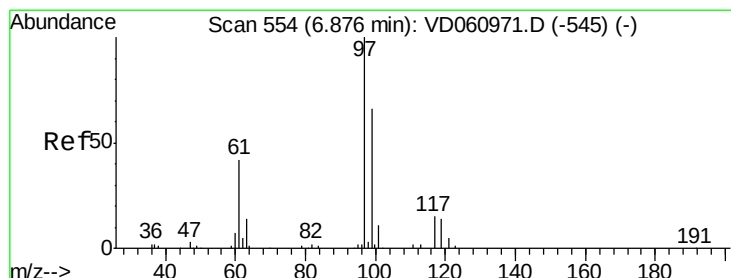
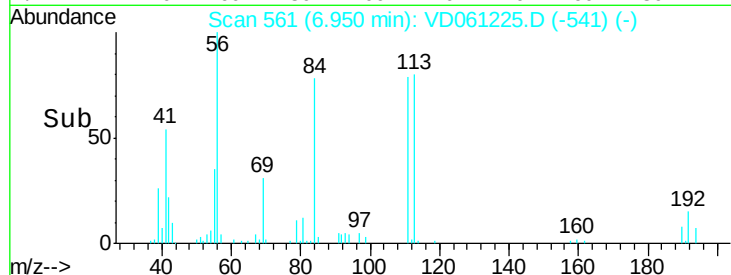
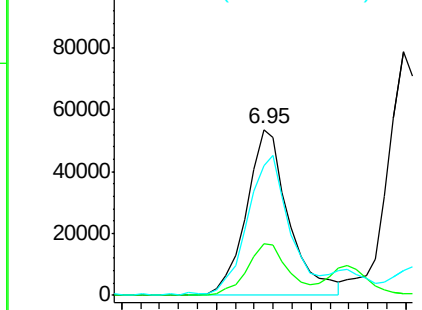
#31
Cyclohexane
Concen: 19.170 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

Tot Ion: 56 Resp: 166685
Ion Ratio Lower Upper
56 100
69 31.3 24.0 36.0
84 77.9 65.8 98.6

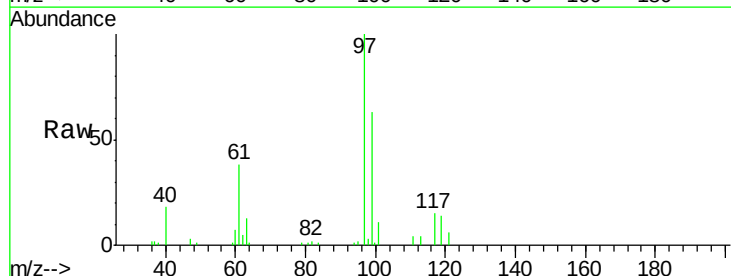


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

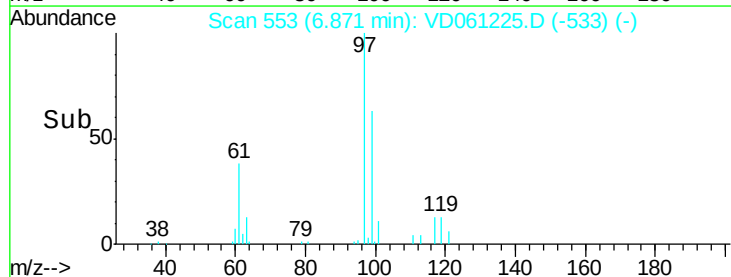
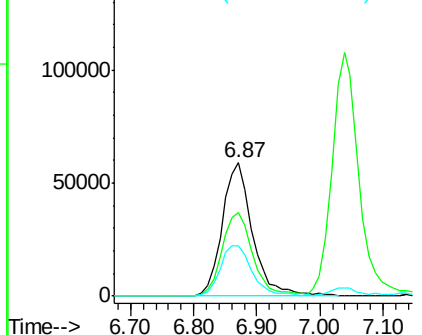


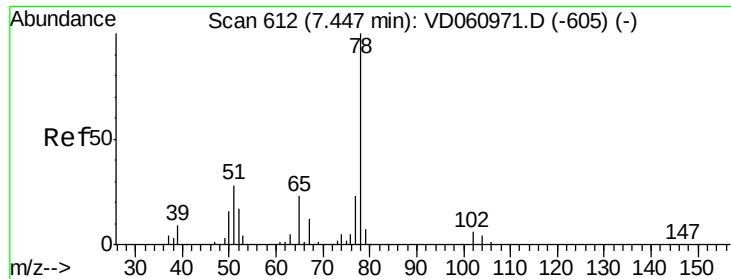
#32
1,1,1-Trichloroethane
Concen: 20.266 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion: 97 Resp: 195817
Ion Ratio Lower Upper
97 100
99 63.2 53.2 79.8
61 37.9 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

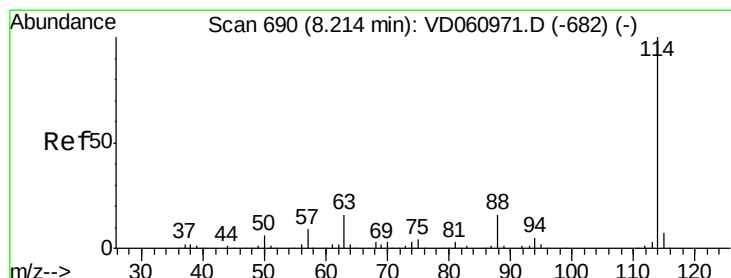
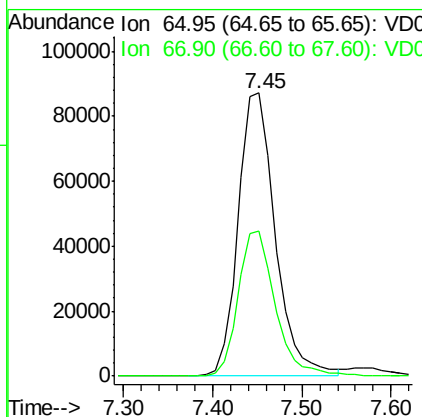
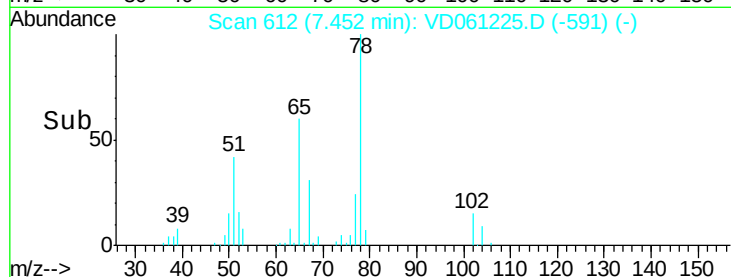
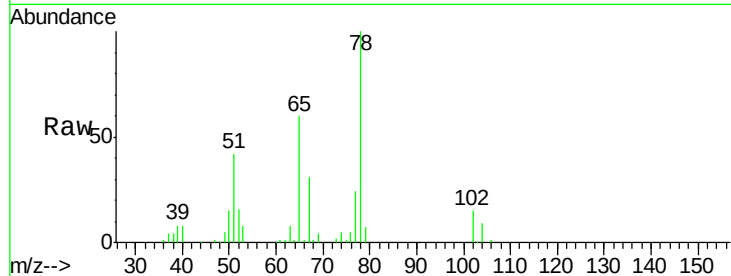




#33
 1,2-Dichloroethane-d4
 Concen: 20.266 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

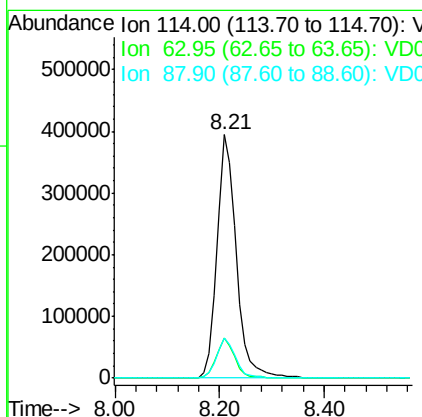
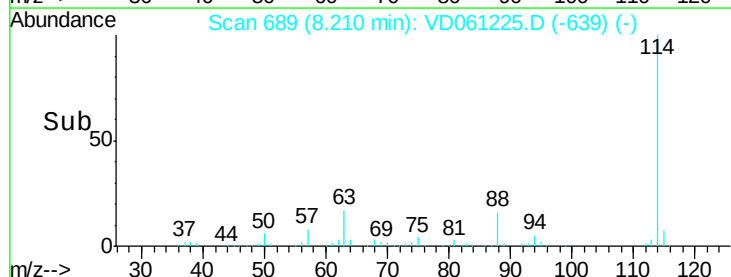
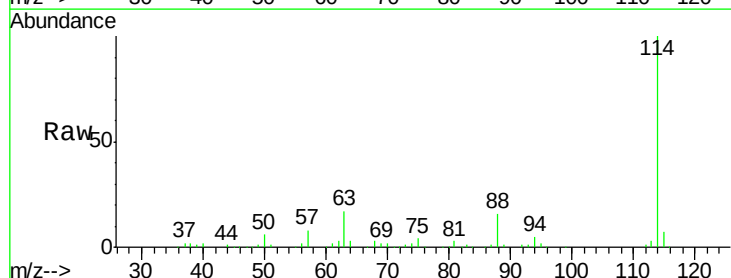
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

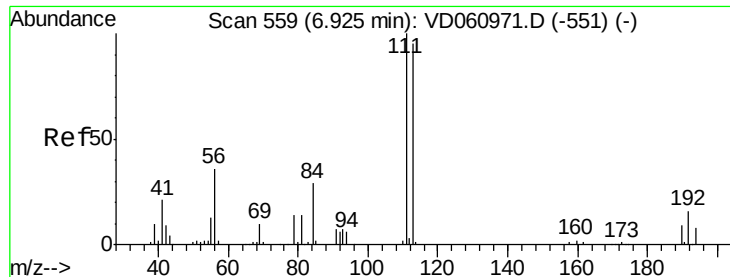
Tot Ion: 65 Resp: 252219
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 114 Resp: 1014488
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.4
 88 16.4 0.0 33.0

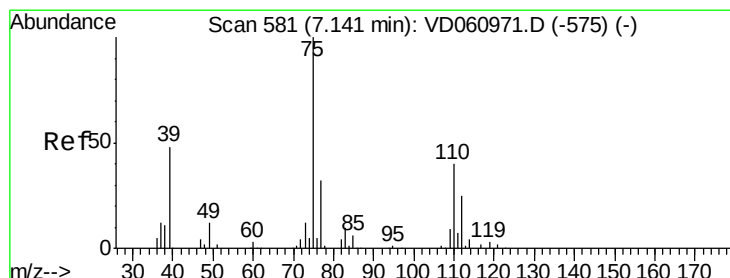
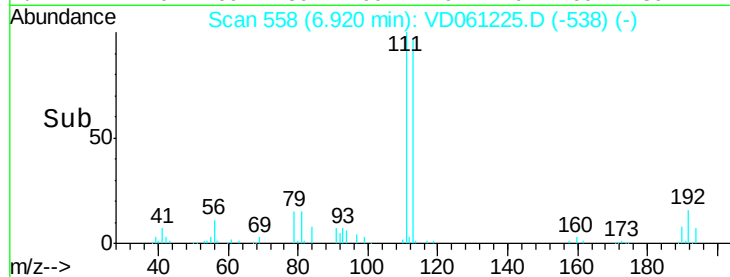
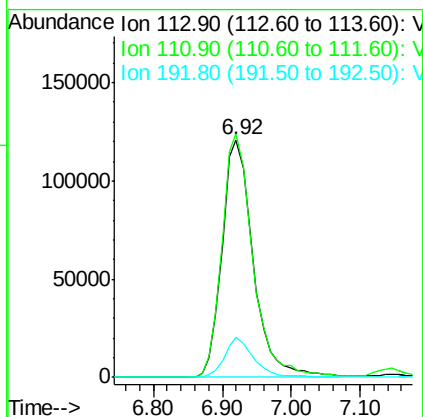
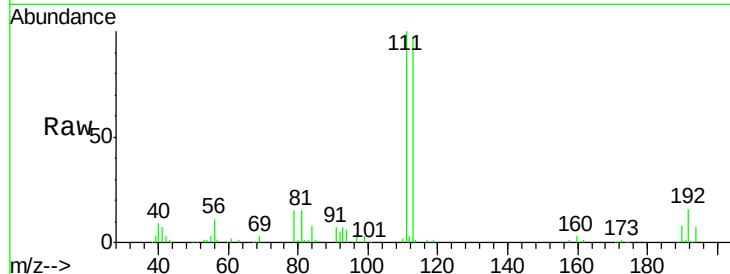




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

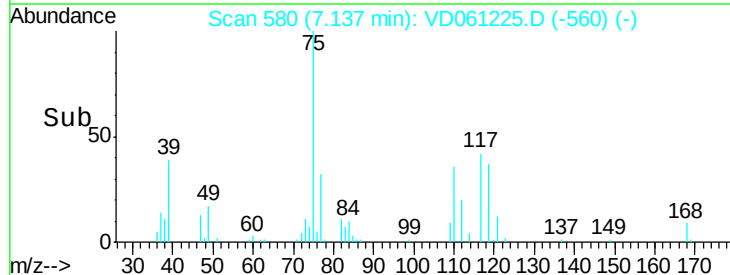
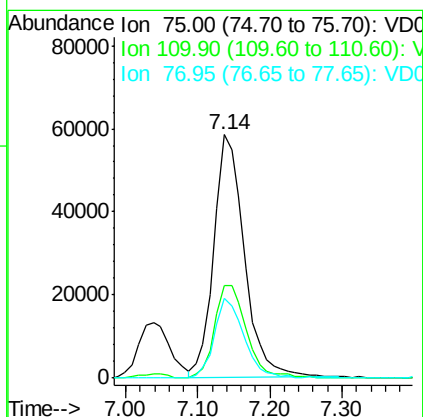
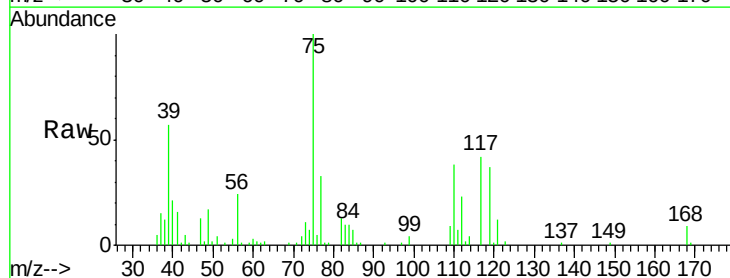
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

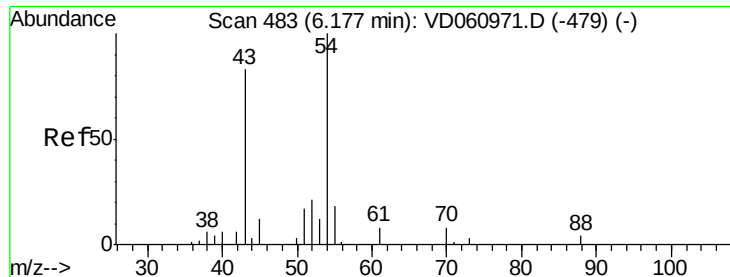
Tot Ion:113 Resp: 379579
 Ion Ratio Lower Upper
 113 100
 111 102.6 84.2 126.4
 192 16.7 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 19.503 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 75 Resp: 170546
 Ion Ratio Lower Upper
 75 100
 110 38.2 19.7 59.1
 77 32.5 24.7 37.1





#37

Ethyl Acetate

Concen: 20.514 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

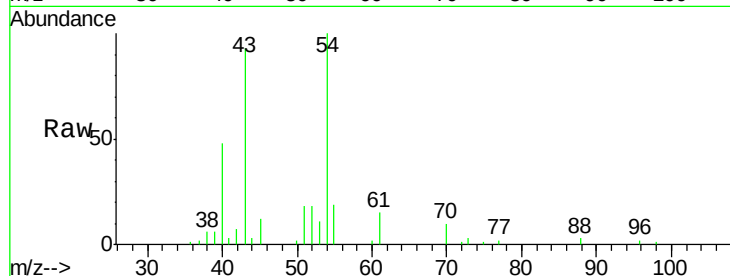
Tot Ion: 43 Resp: 84179

Ion Ratio Lower Upper

43 100

61 16.5 13.7 20.5

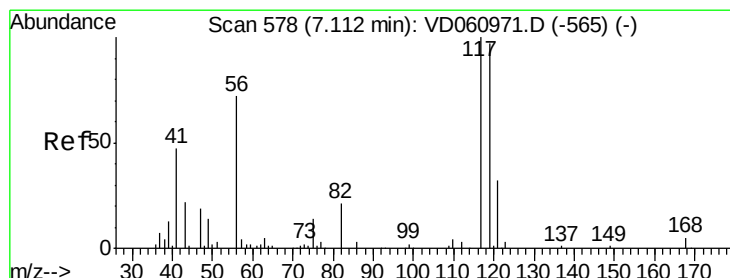
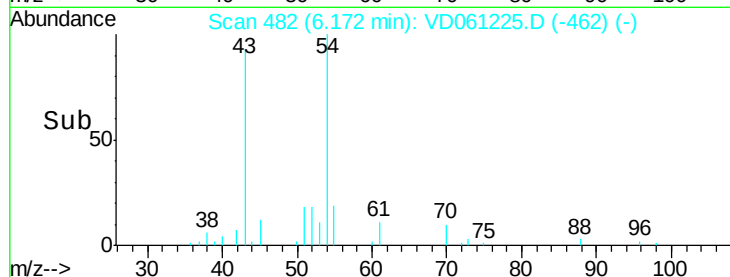
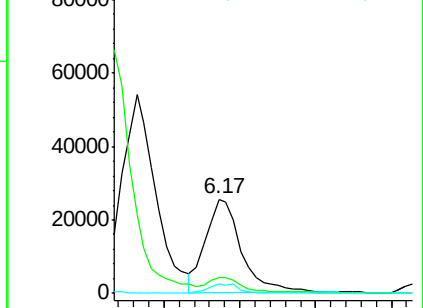
70 10.5 7.1 10.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.149 ug/l

RT: 7.11 min Scan# 577

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

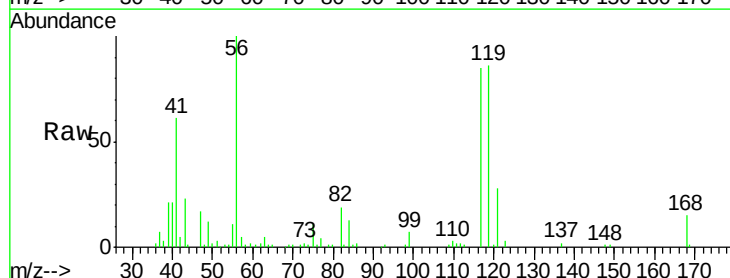
Tgt Ion: 117 Resp: 194088

Ion Ratio Lower Upper

117 100

119 101.1 77.8 116.8

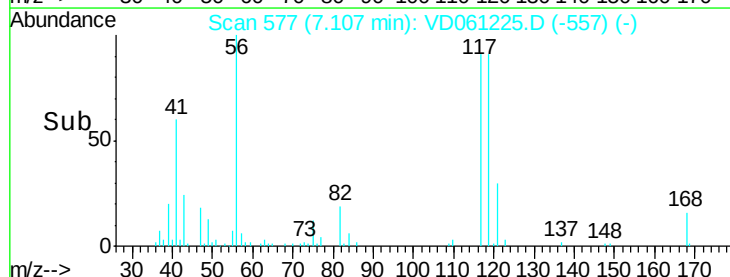
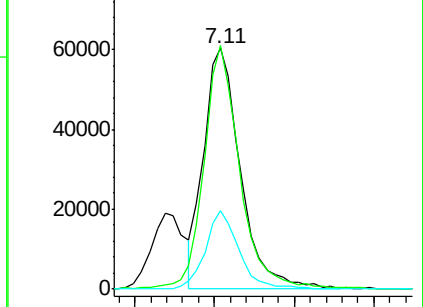
121 32.8 25.3 37.9

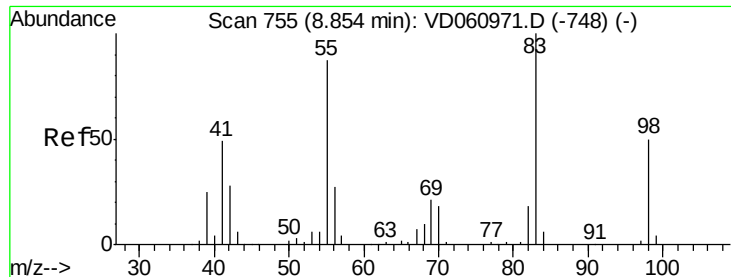


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

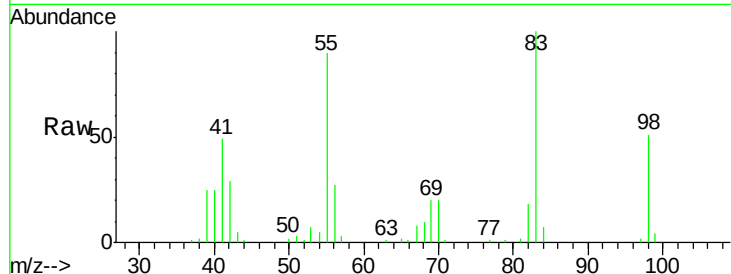




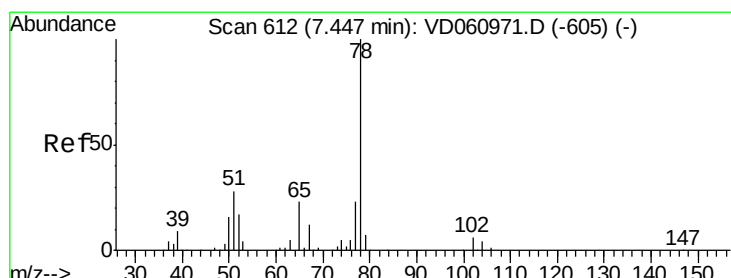
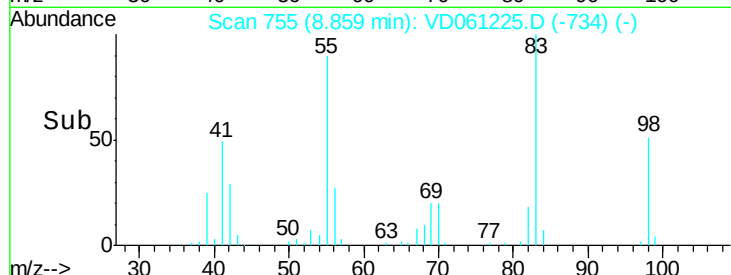
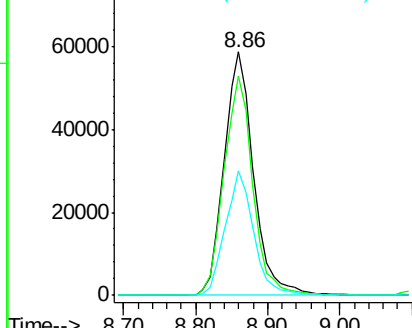
#39
Methylvlcyclohexane
Concen: 18.336 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

Tot Ion: 83 Resp: 166268
Ion Ratio Lower Upper
83 100
55 89.9 69.6 104.4
98 51.1 40.0 60.0

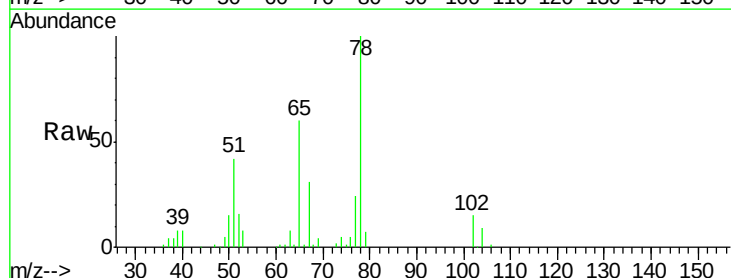


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

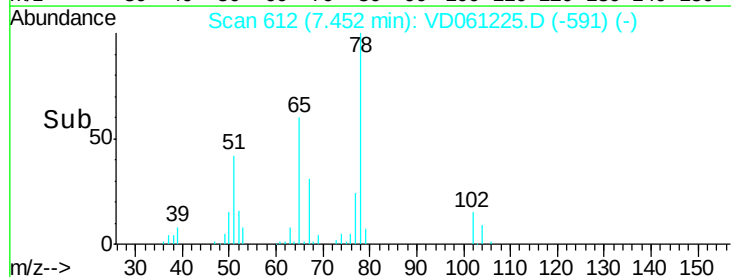
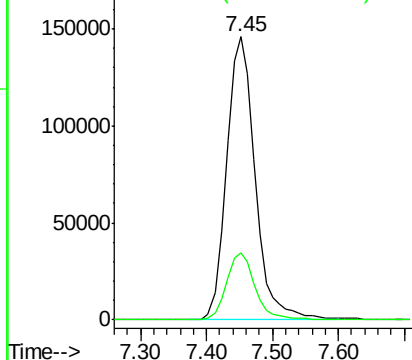


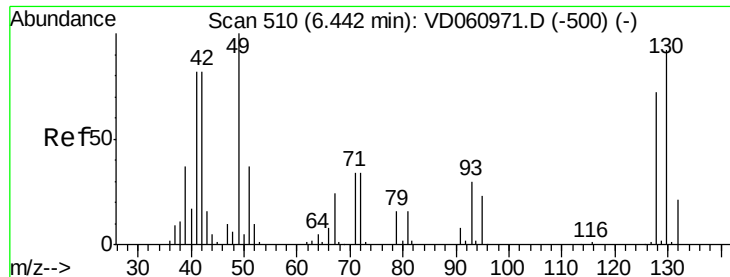
#40
Benzene
Concen: 20.278 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion: 78 Resp: 443089
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



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

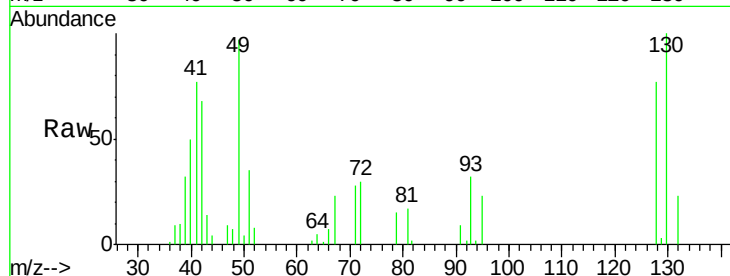




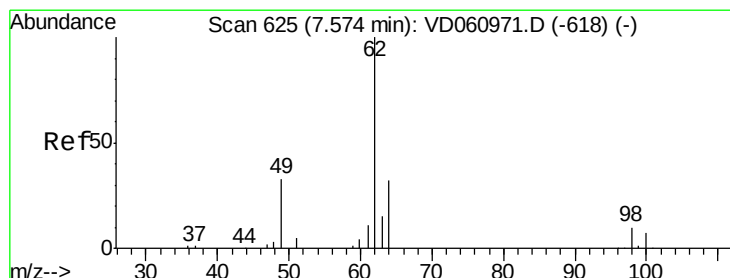
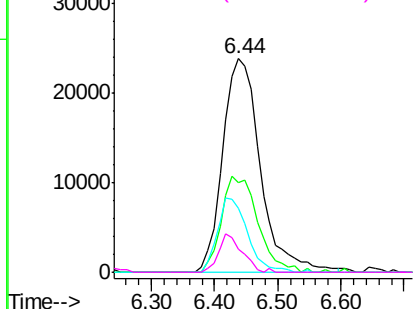
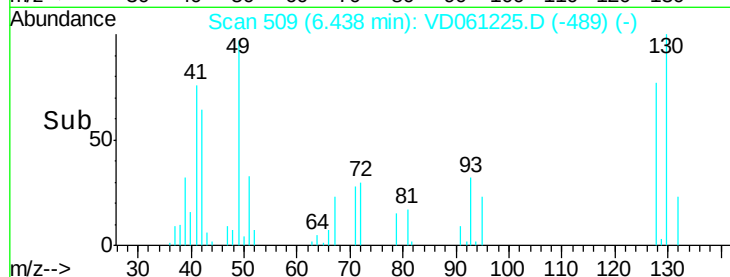
#41
Methacrylonitrile
Concen: 20.892 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

Tot Ion: 41 Resp: 98611
Ion Ratio Lower Upper
41 100
39 41.9 35.7 53.5
67 29.8 23.0 34.6
52 10.9 9.2 13.8

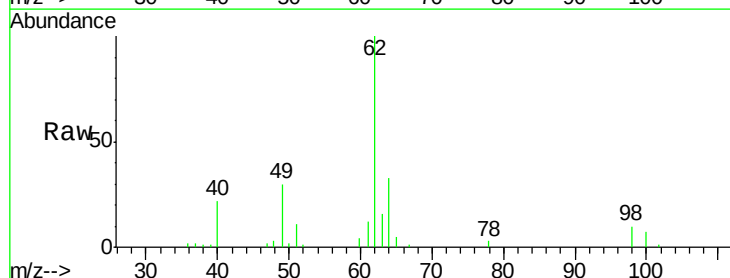


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

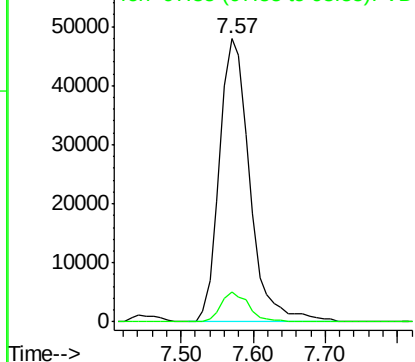
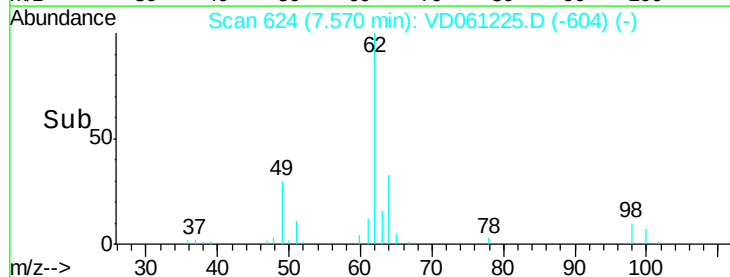


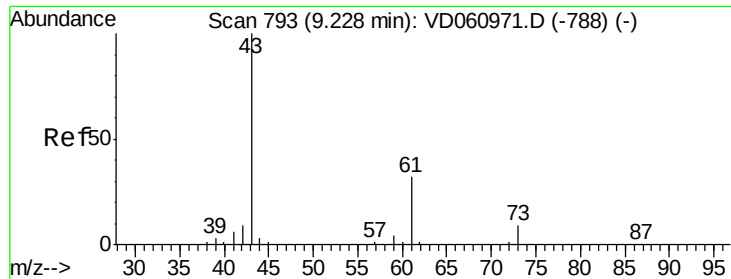
#42
1,2-Dichloroethane
Concen: 22.093 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion: 62 Resp: 140096
Ion Ratio Lower Upper
62 100
98 10.4 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: 21.004 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

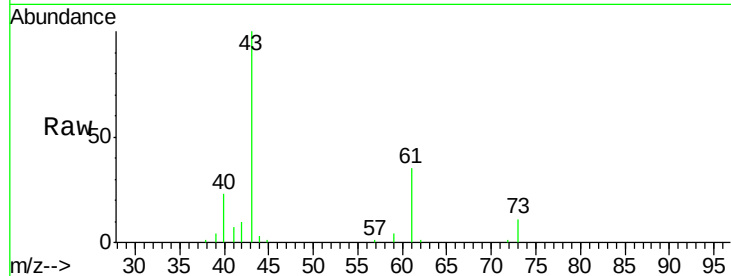
Tot Ion: 43 Resp: 119381

Ion Ratio Lower Upper

43 100

61 35.4 25.6 38.4

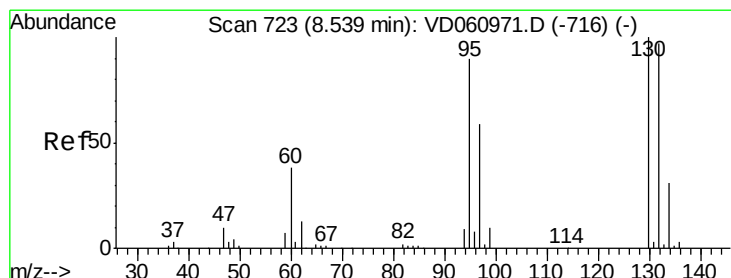
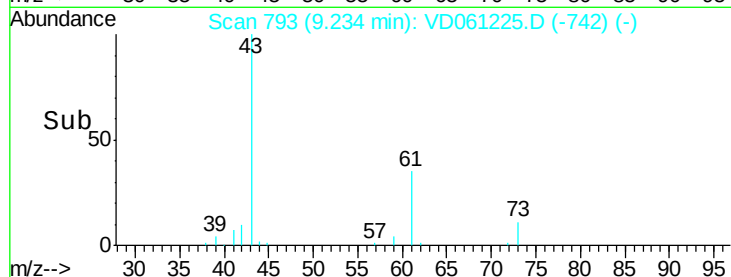
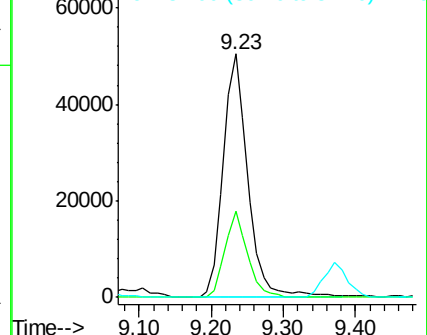
87 0.0 0.2 0.4#



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: 21.200 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD061225.D

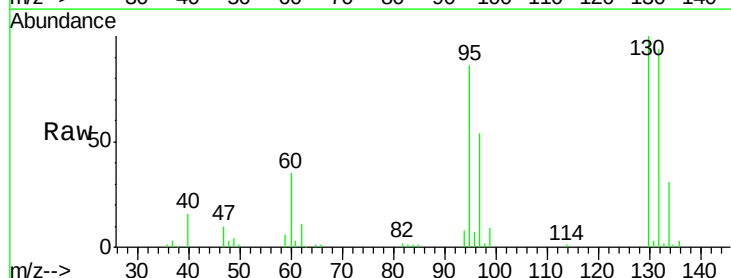
Acq: 21 Mar 2019 00:57

Tgt Ion:130 Resp: 159811

Ion Ratio Lower Upper

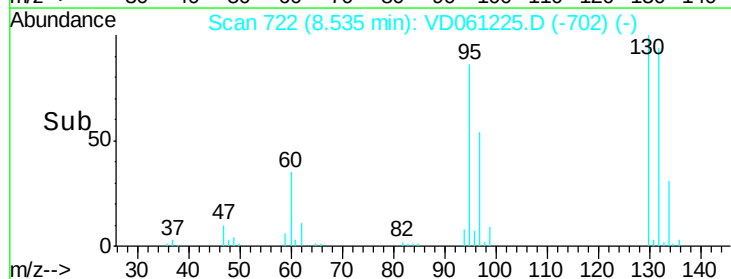
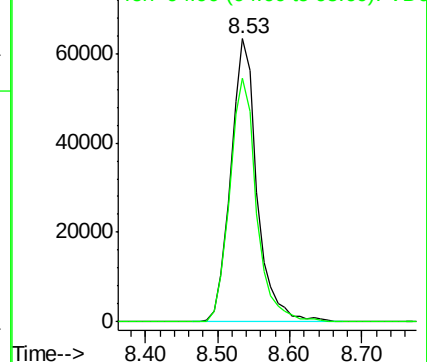
130 100

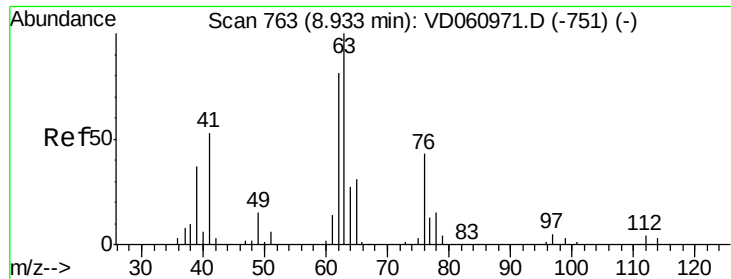
95 85.9 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

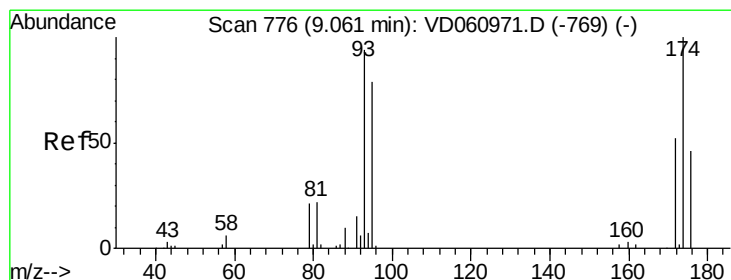
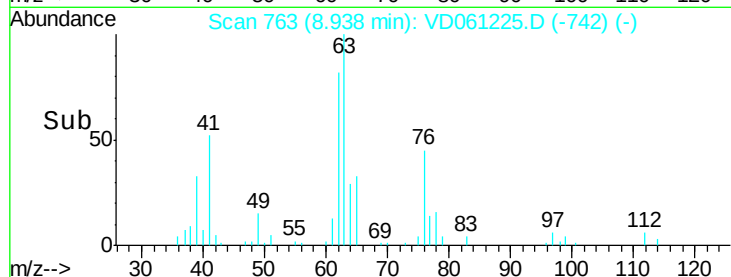
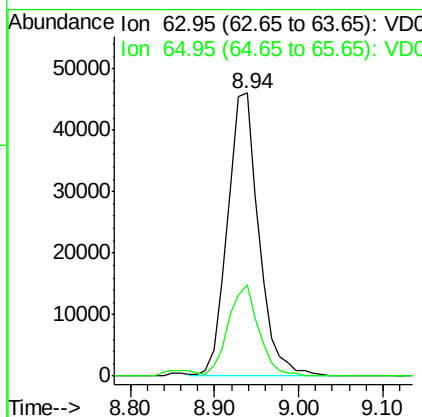
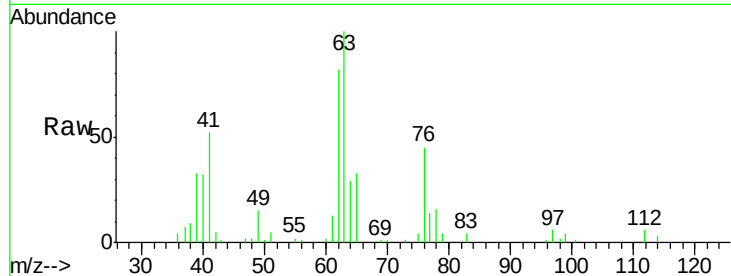




#45
 1,2-Dichloropropane
 Concen: 20.750 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

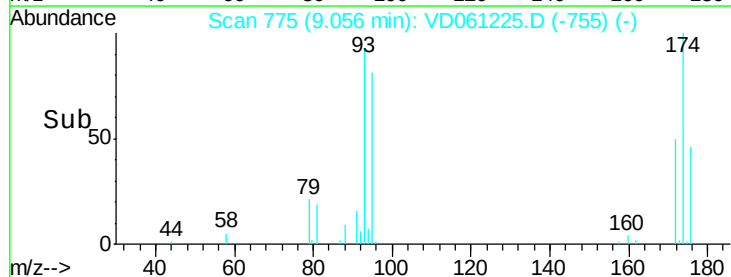
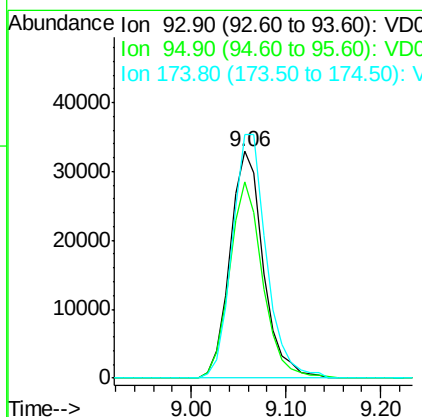
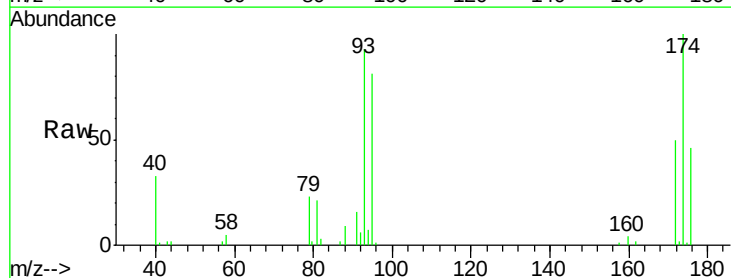
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

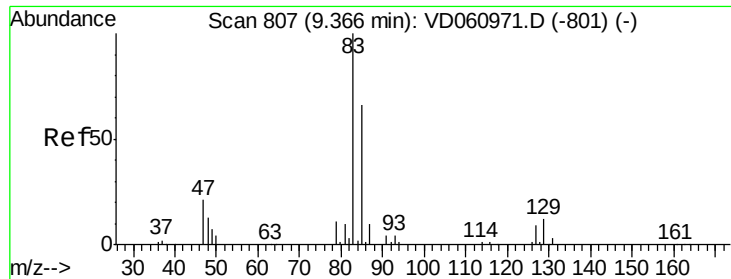
Tot Ion: 63 Resp: 119120
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.8 37.2



#46
 Dibromomethane
 Concen: 22.019 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 93 Resp: 80181
 Ion Ratio Lower Upper
 93 100
 95 86.8 67.4 101.0
 174 107.3 85.4 128.0





#47

Bromodichloromethane

Concen: 20.430 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

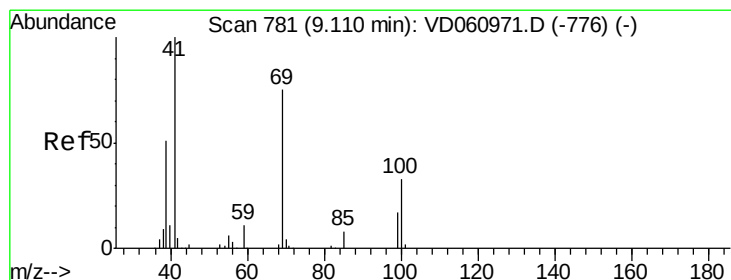
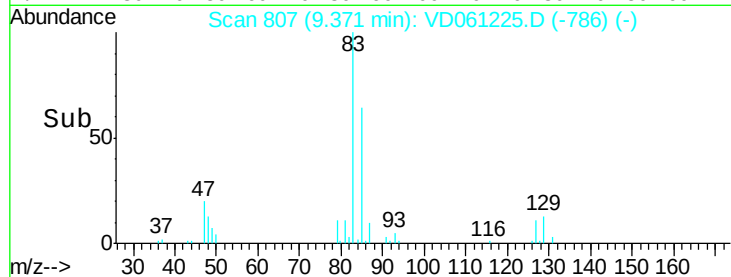
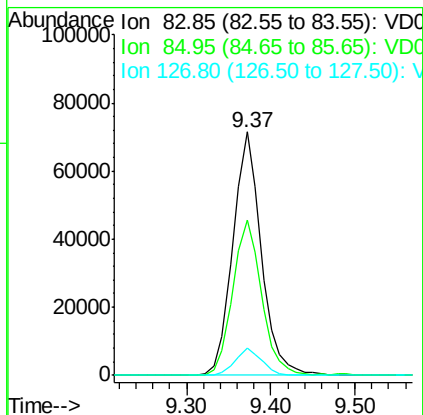
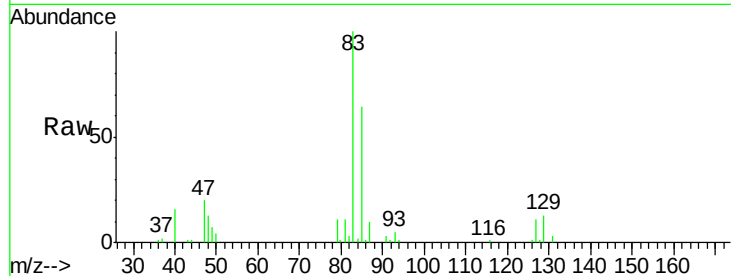
Tot Ion: 83 Resp: 167879

Ion Ratio Lower Upper

83 100

85 64.0 52.5 78.7

127 11.3 7.5 11.3#



#48

Methyl methacrylate

Concen: 21.304 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

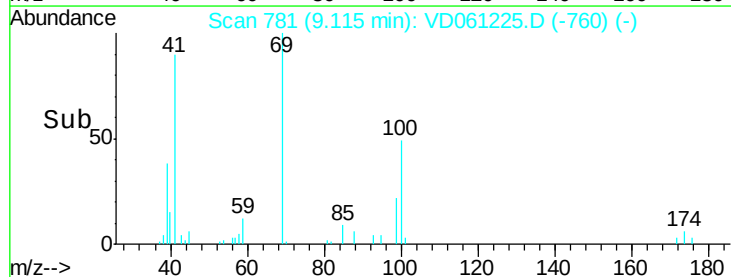
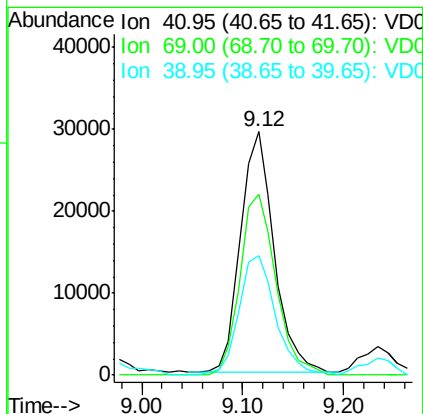
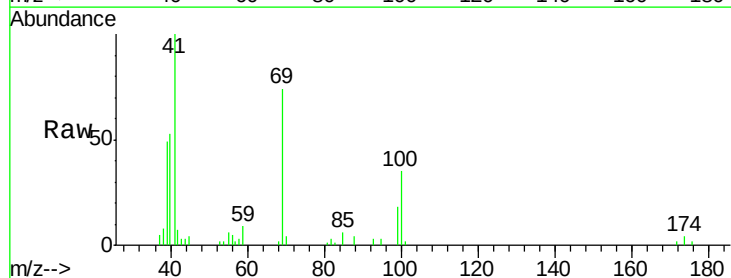
Tgt Ion: 41 Resp: 68175

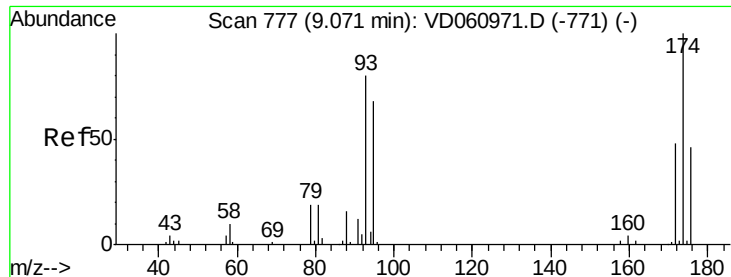
Ion Ratio Lower Upper

41 100

69 74.3 59.9 89.9

39 49.0 40.9 61.3





#49

1,4-Dioxane

Concen: 470.785 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

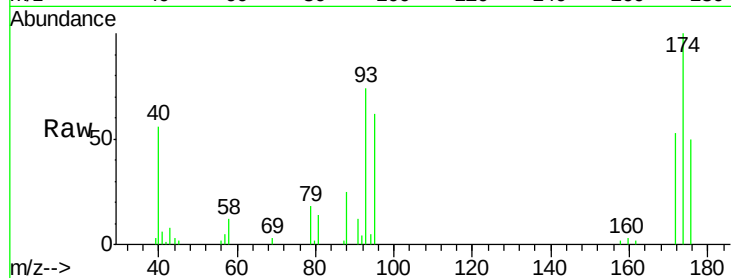
Tot Ion: 88 Resp: 15234

Ion Ratio Lower Upper

88 100

43 31.8 21.0 31.6#

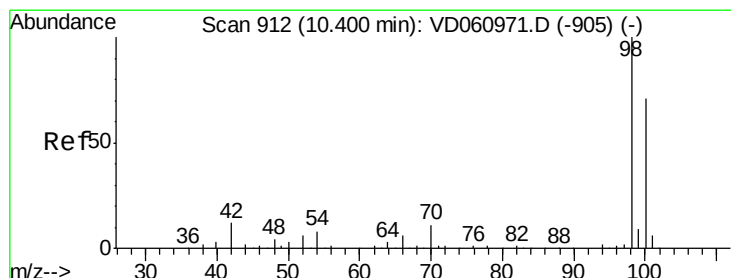
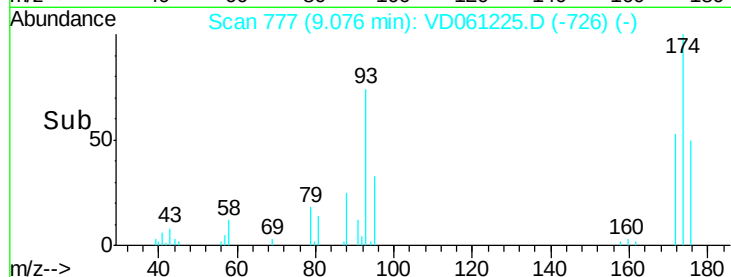
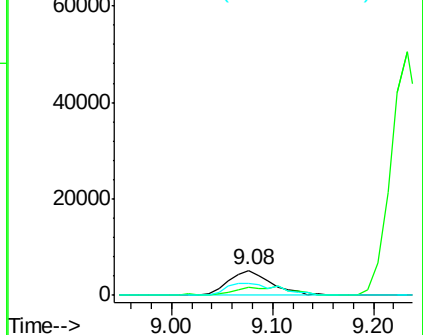
58 45.6 48.6 72.8#



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: 470.785 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061225.D

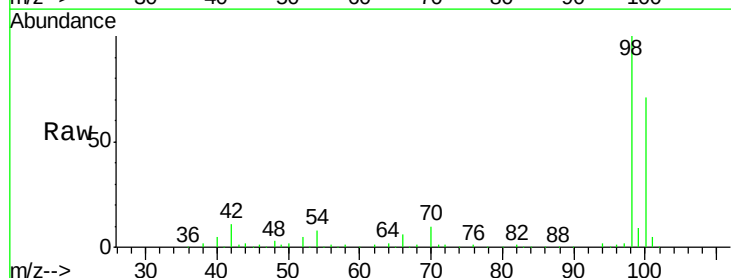
Acq: 21 Mar 2019 00:57

Tgt Ion: 98 Resp: 947108

Ion Ratio Lower Upper

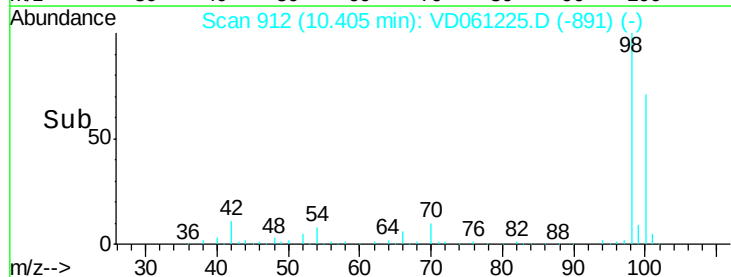
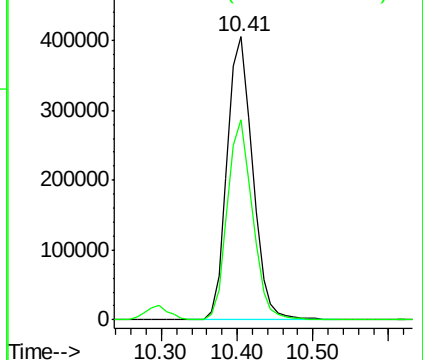
98 100

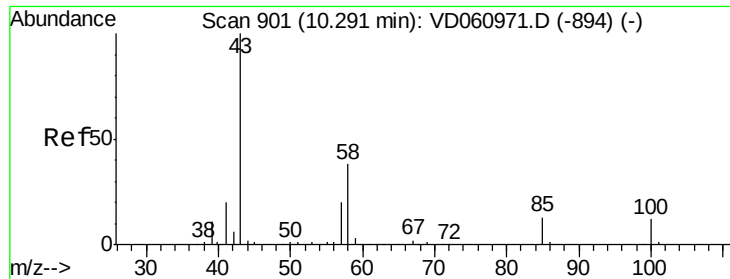
100 70.5 57.4 86.2



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: 107.951 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

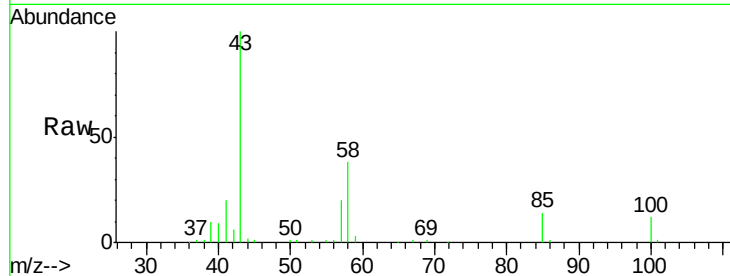
VD0320SBS02

Tot Ion: 43 Resp: 375880

Ion Ratio Lower Upper

43 100

58 38.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

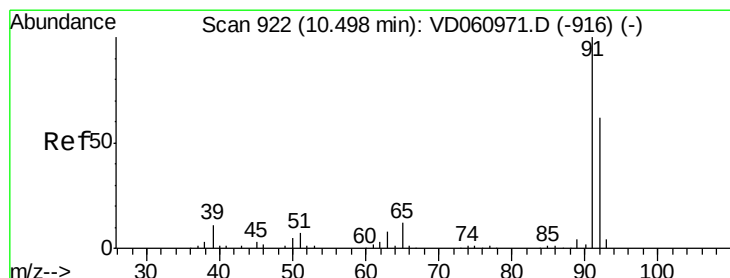
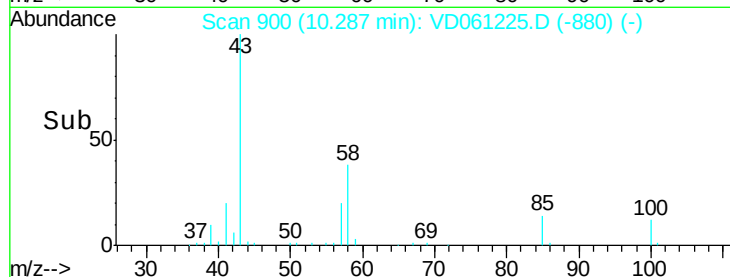
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.957 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061225.D

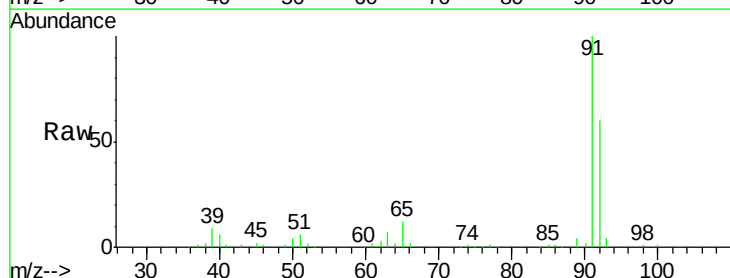
Acq: 21 Mar 2019 00:57

Tgt Ion: 92 Resp: 284756

Ion Ratio Lower Upper

92 100

91 167.1 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

200000

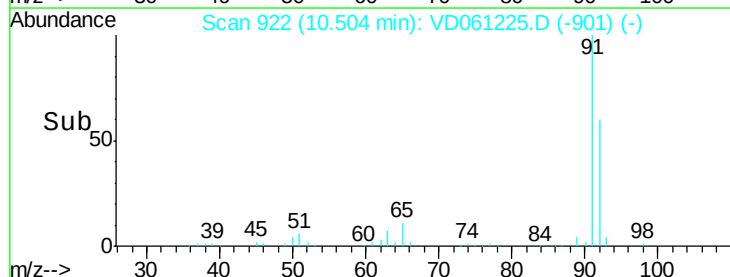
150000

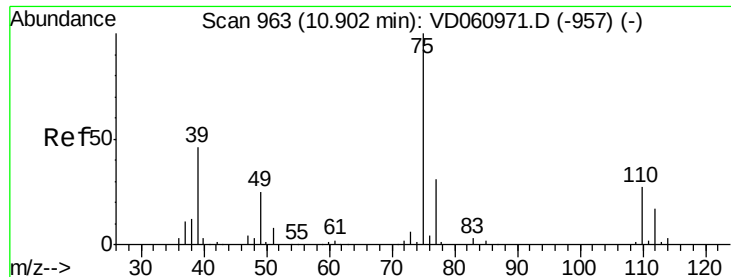
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.073 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

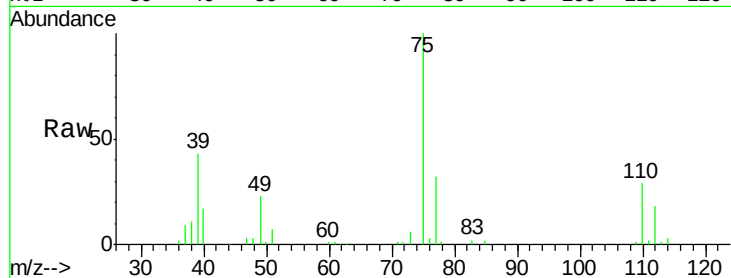
VD0320SBS02

Tot Ion: 75 Resp: 165853

Ion Ratio Lower Upper

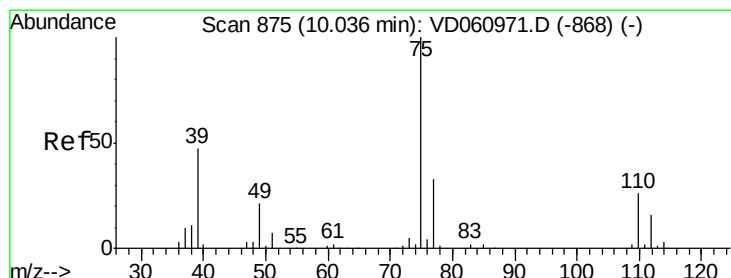
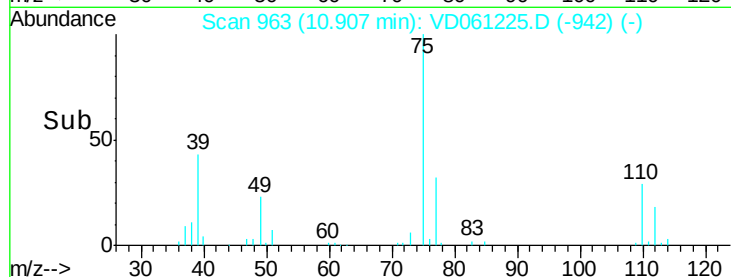
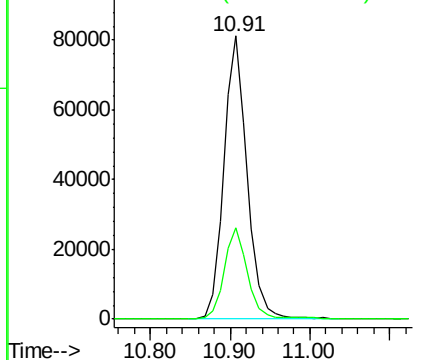
75 100

77 32.5 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: 22.146 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

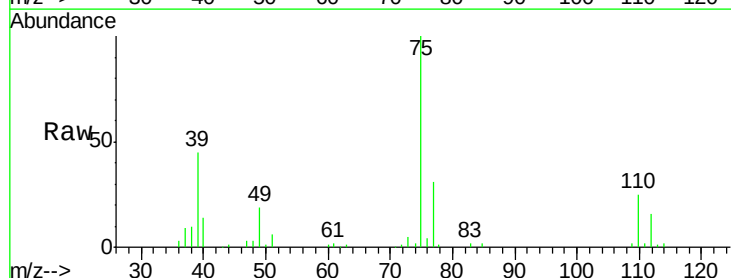
Tgt Ion: 75 Resp: 199934

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.4

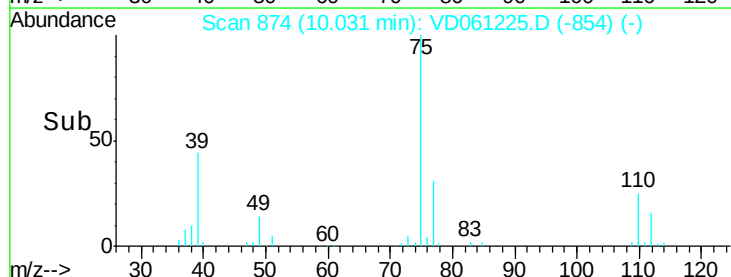
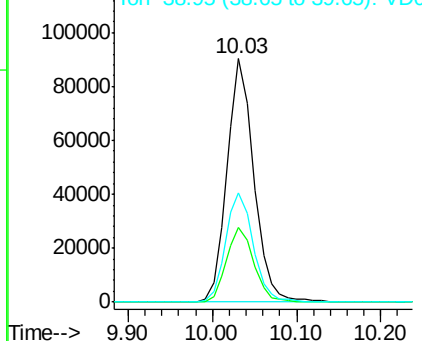
39 44.8 37.8 56.8

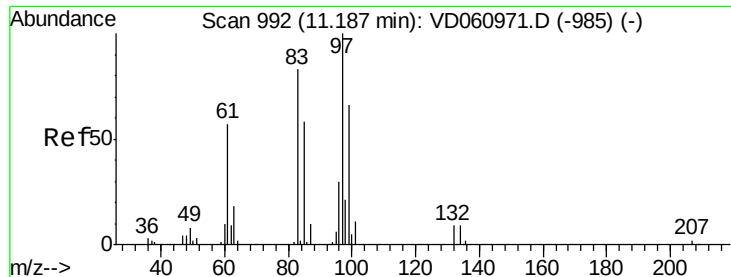


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

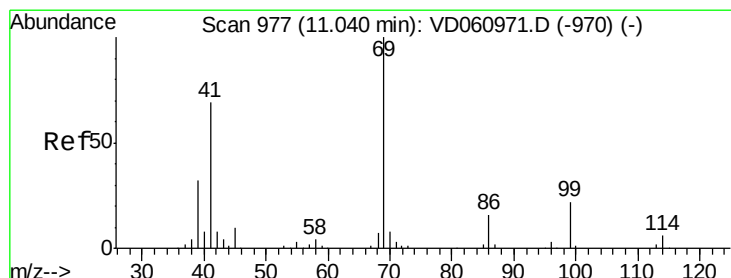
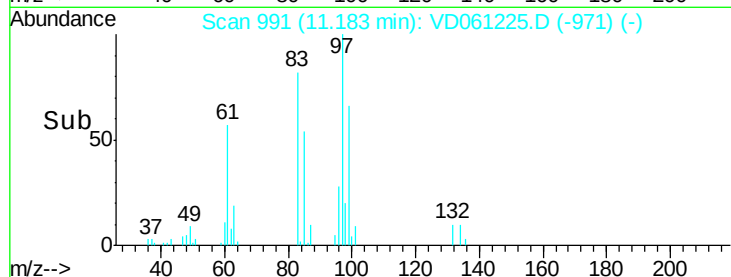
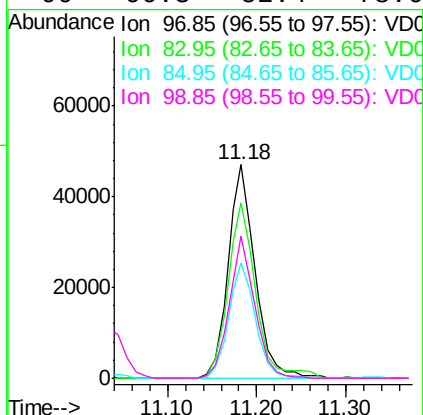
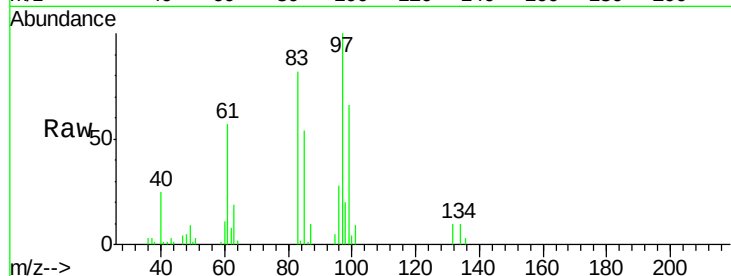




#55
 1,1,2-Trichloroethane
 Concen: 22.004 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

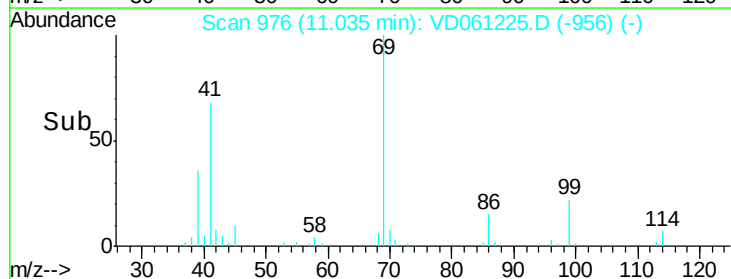
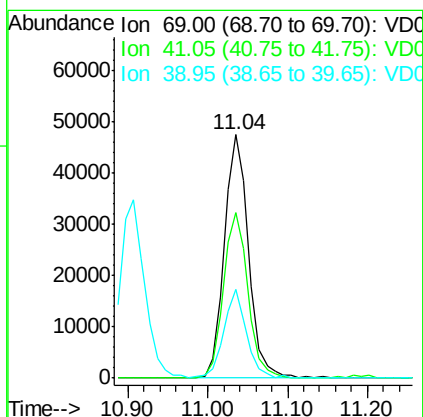
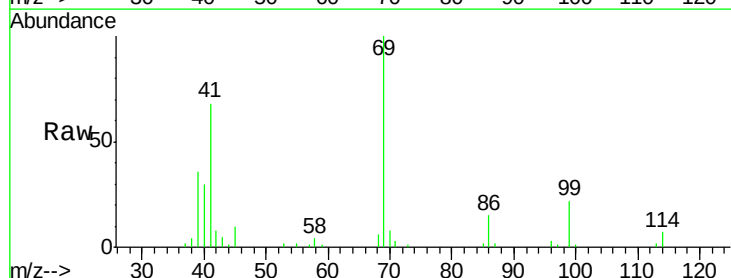
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

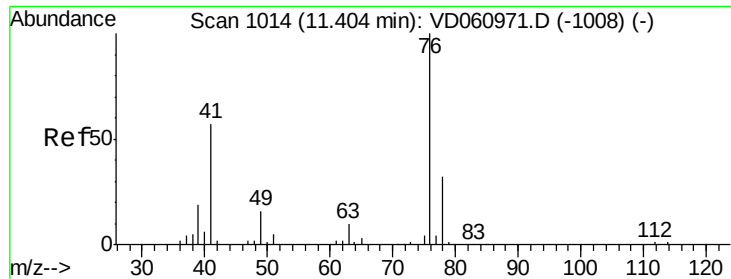
Tot Ion: 97 Resp: 99568
 Ion Ratio Lower Upper
 97 100
 83 81.9 66.6 100.0
 85 53.8 46.4 69.6
 99 66.3 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 21.475 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 69 Resp: 101716
 Ion Ratio Lower Upper
 69 100
 41 67.9 55.5 83.3
 39 36.4 26.2 39.2

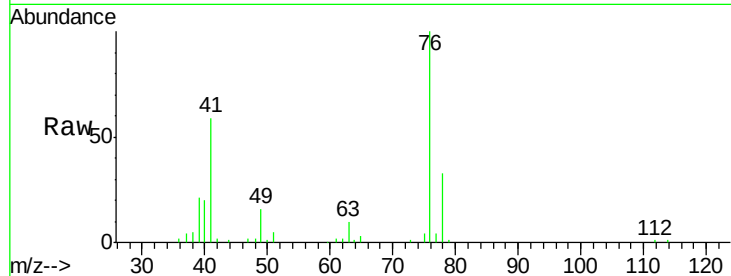




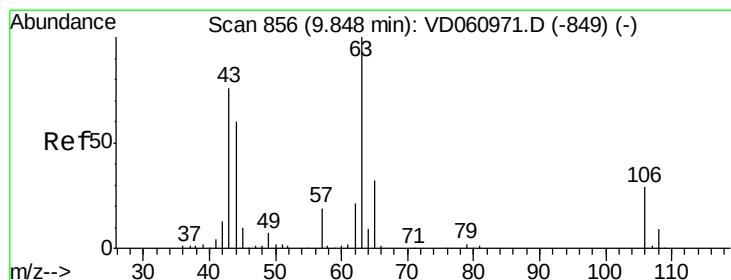
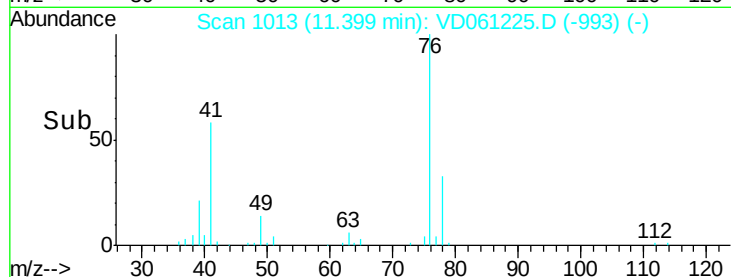
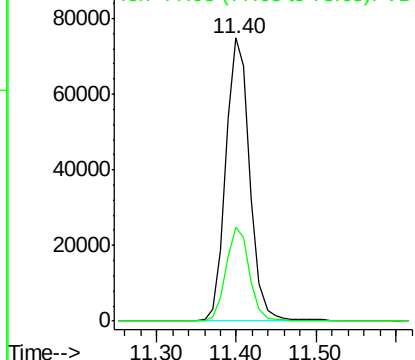
#57
 1,3-Dichloropropane
 Concen: 23.352 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Tot Ion: 76 Resp: 157912
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.4 38.0

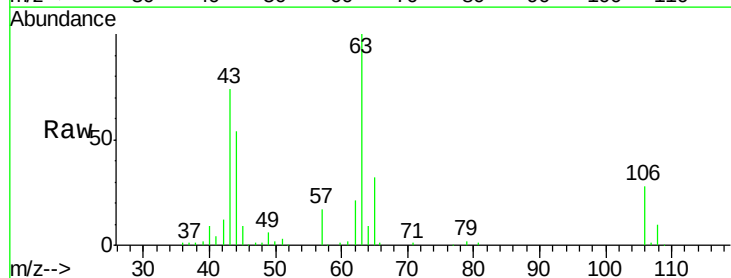


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

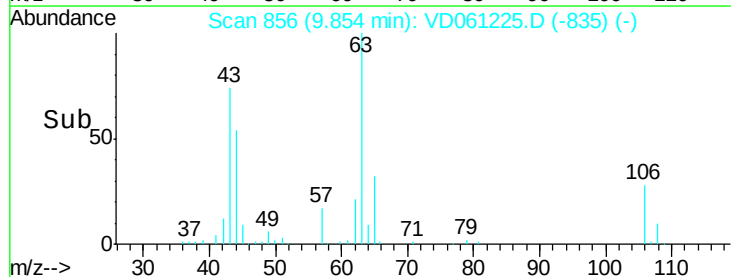
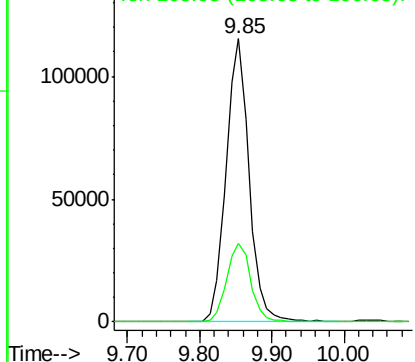


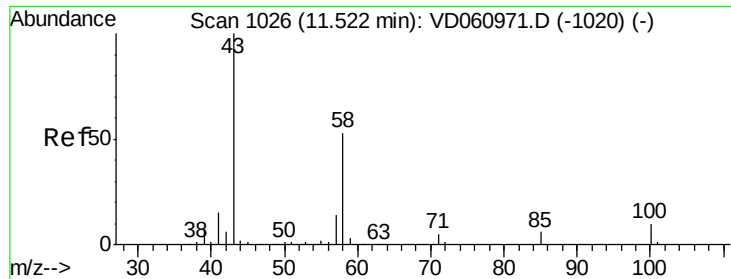
#58
 2-Chloroethyl Vinyl ether
 Concen: 101.880 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 63 Resp: 255421
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

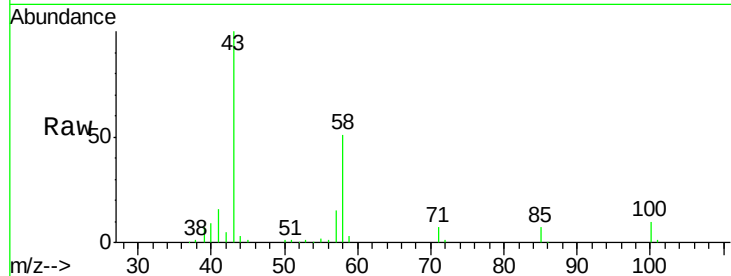




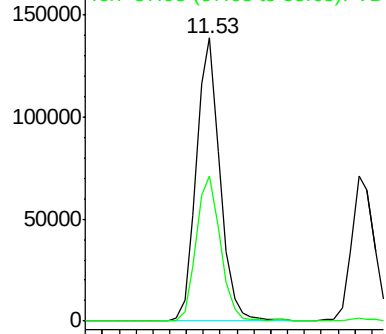
#59
2-Hexanone
Concen: 106.225 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

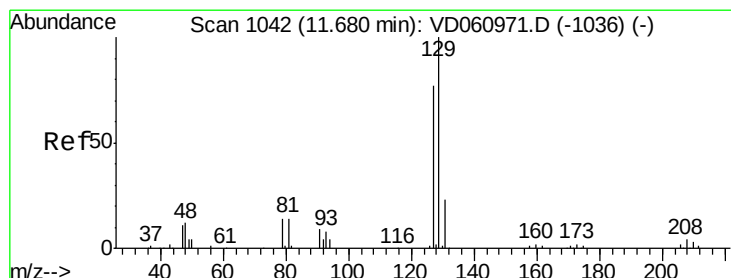
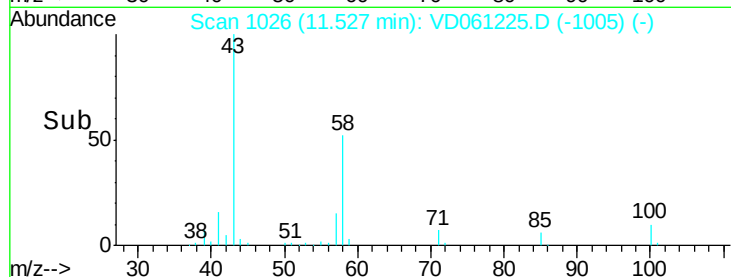
Tot Ion: 43 Resp: 270558
Ion Ratio Lower Upper
43 100
58 51.3 26.5 79.5



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

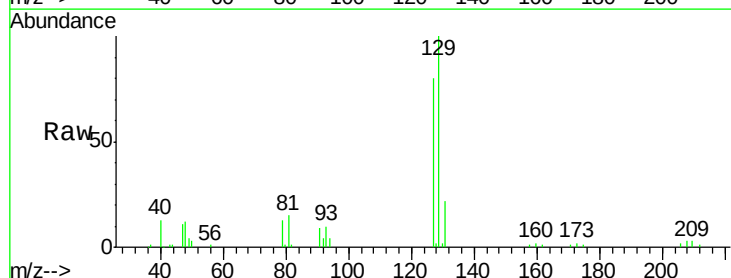


Time-->

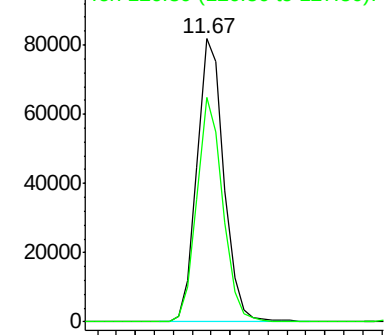


#60
Dibromochloromethane
Concen: 24.224 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

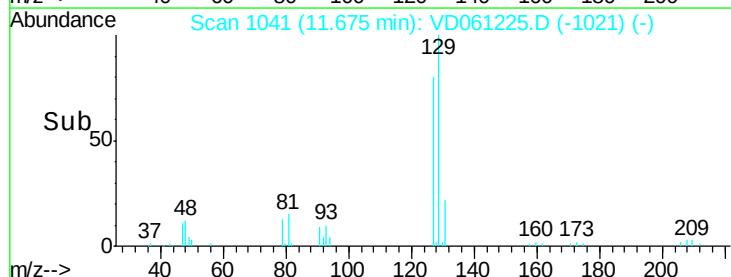
Tgt Ion: 129 Resp: 161317
Ion Ratio Lower Upper
129 100
127 79.5 38.3 114.9

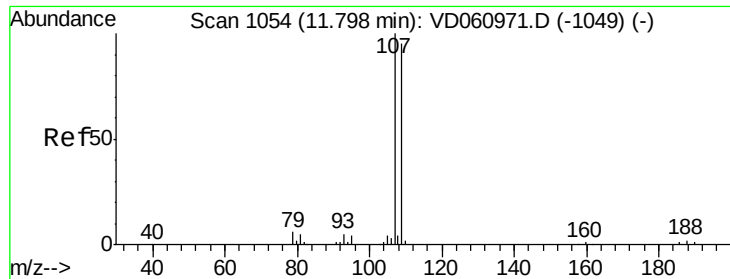


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->

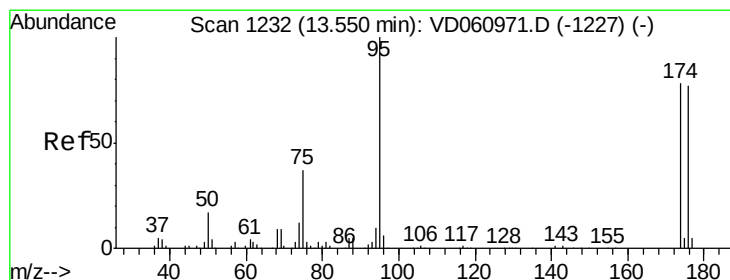
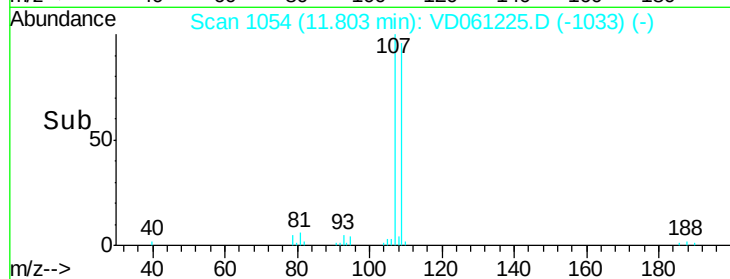
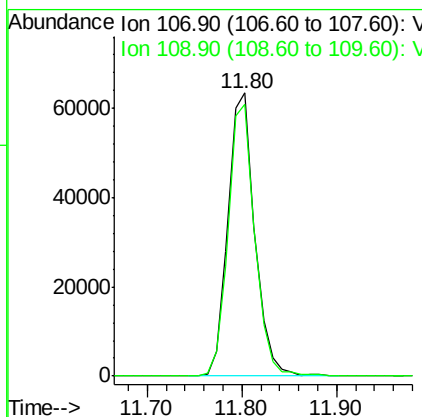
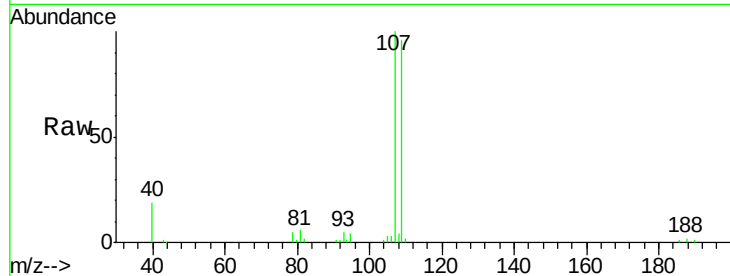




#61
 1,2-Dibromoethane
 Concen: 23.623 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

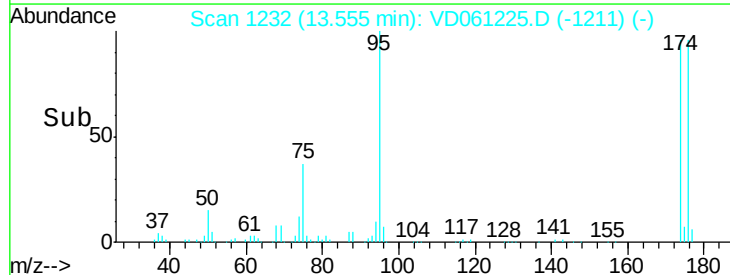
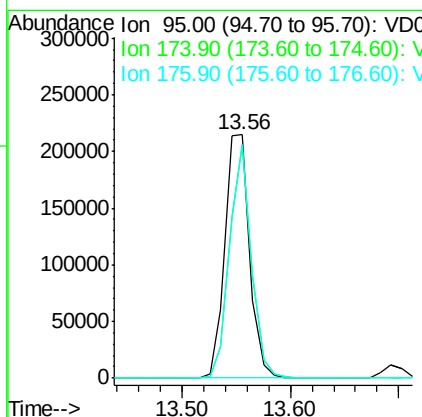
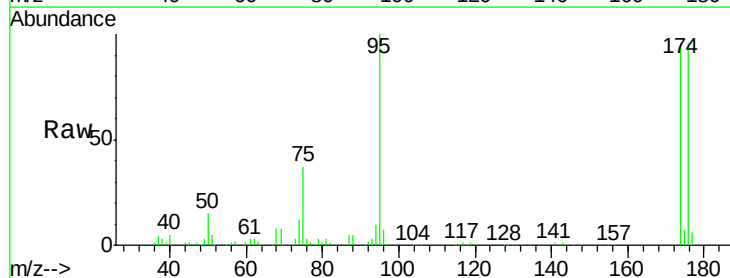
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

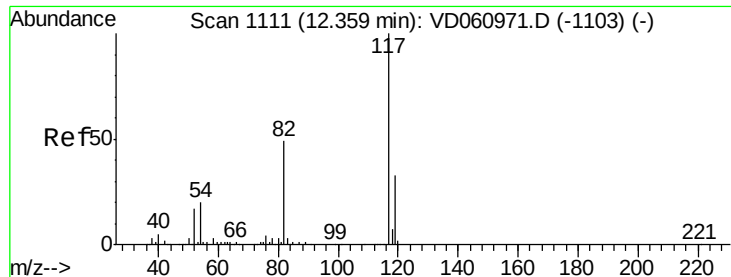
Tot Ion:107 Resp: 124349
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 23.623 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 95 Resp: 340928
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 155.6
 176 96.0 0.0 153.8

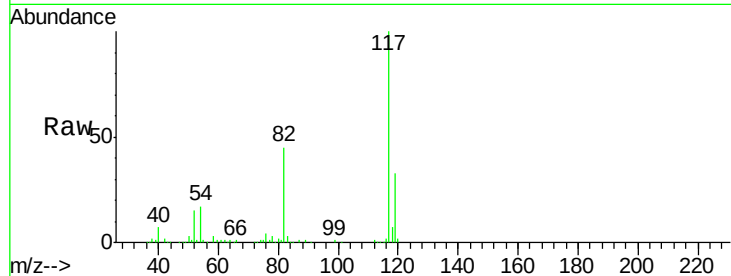




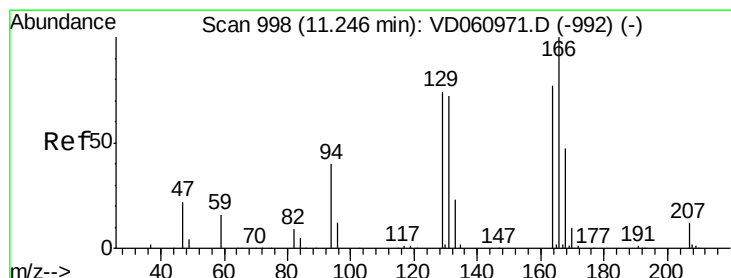
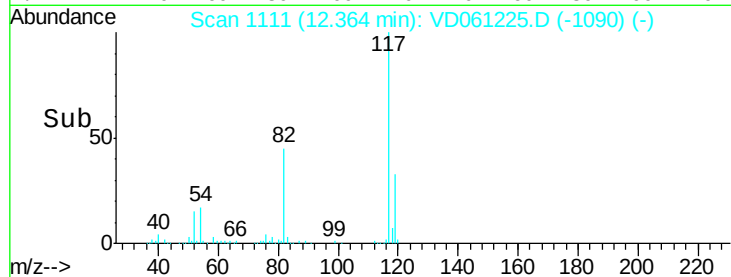
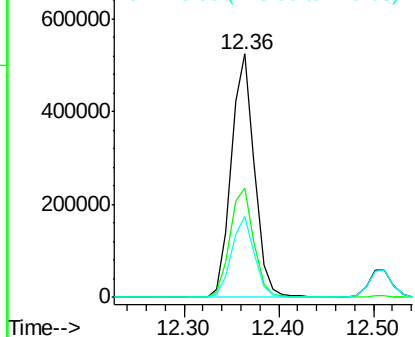
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

Tot Ion:117 Resp: 886910
Ion Ratio Lower Upper
117 100
82 45.1 38.9 58.3
119 33.1 26.6 39.8

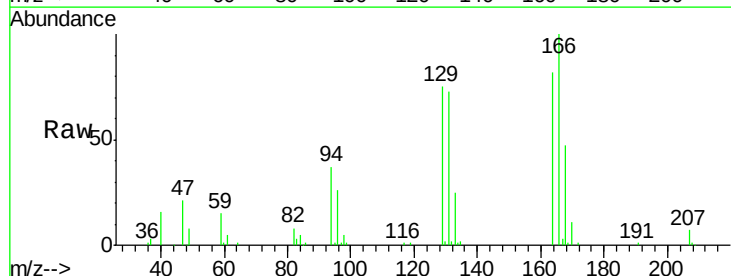


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

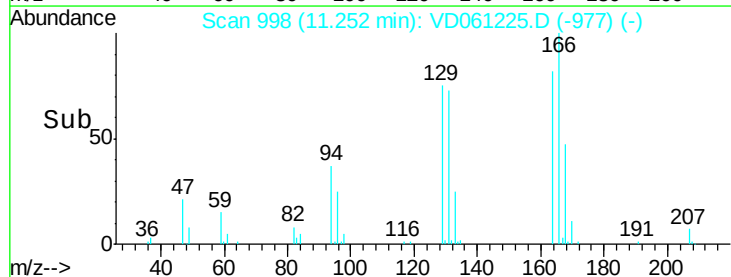
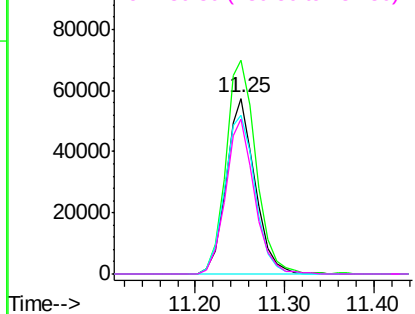


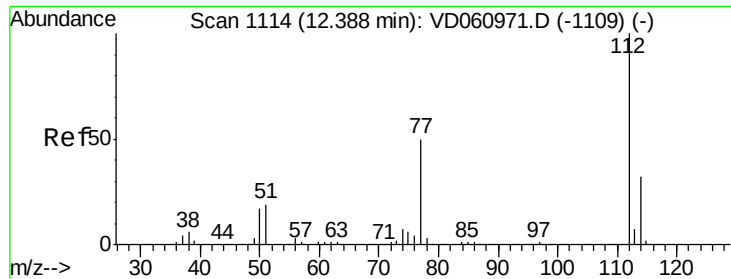
#64
Tetrachloroethene
Concen: 21.723 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion:164 Resp: 130059
Ion Ratio Lower Upper
164 100
166 121.4 103.4 155.0
129 90.5 76.9 115.3
131 88.3 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

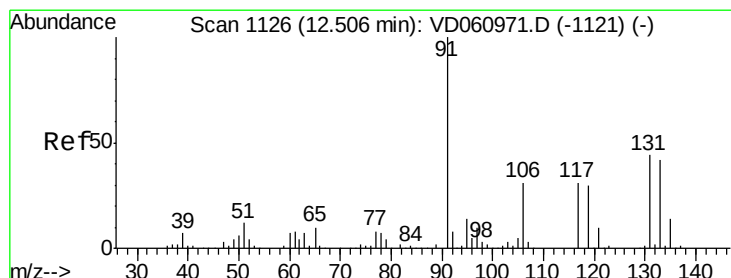
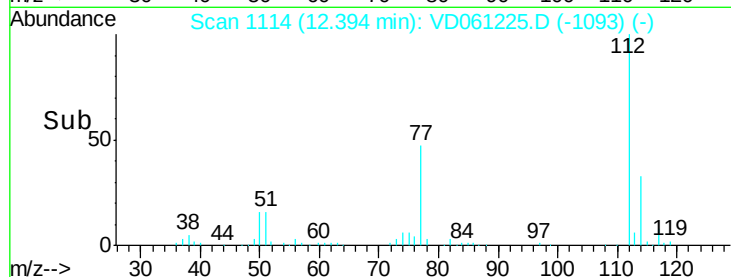
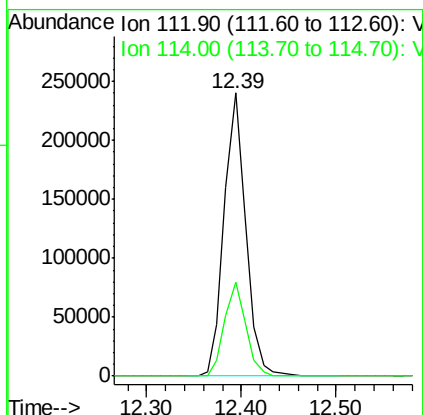
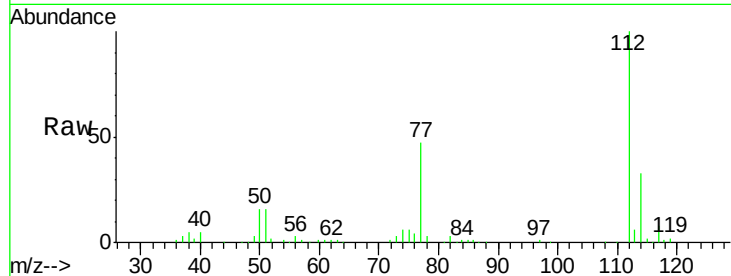




#65
Chlorobenzene
Concen: 21.959 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

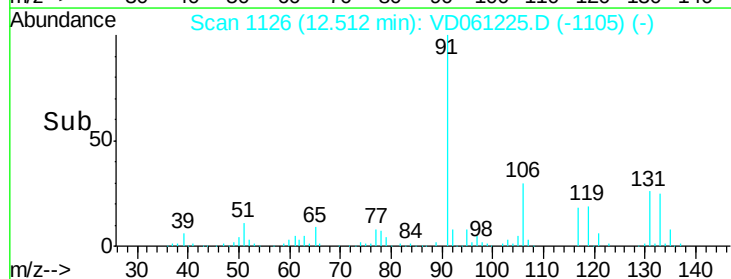
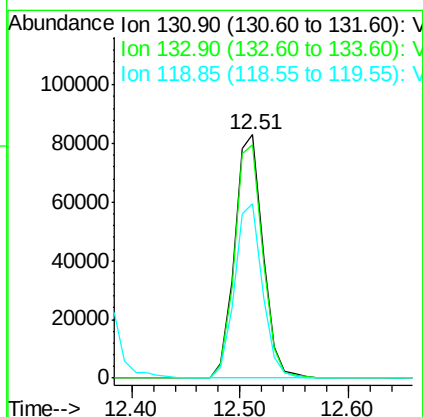
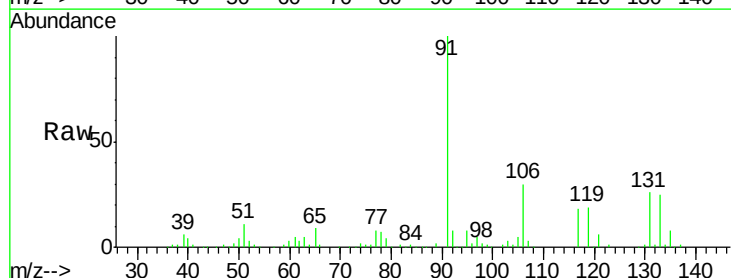
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

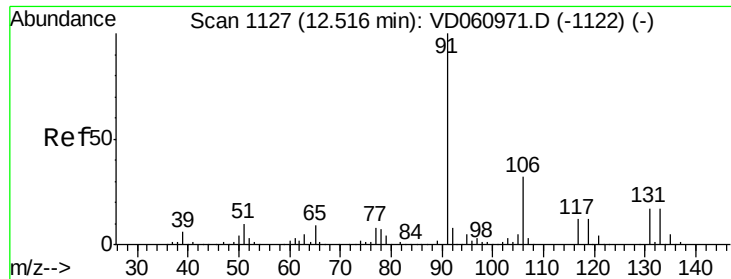
Tot Ion:112 Resp: 381802
Ion Ratio Lower Upper
112 100
114 33.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 24.372 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion:131 Resp: 151052
Ion Ratio Lower Upper
131 100
133 95.8 47.8 143.3
119 71.4 34.3 102.9

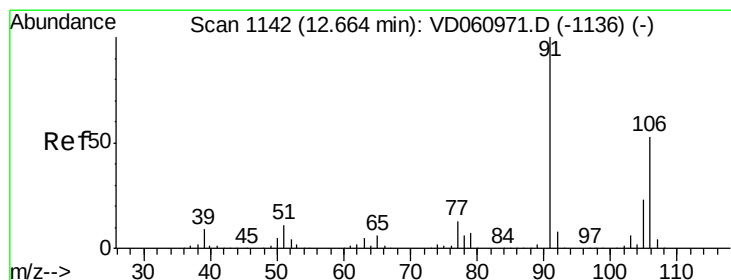
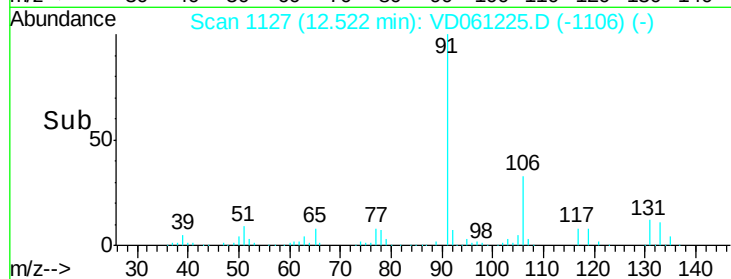
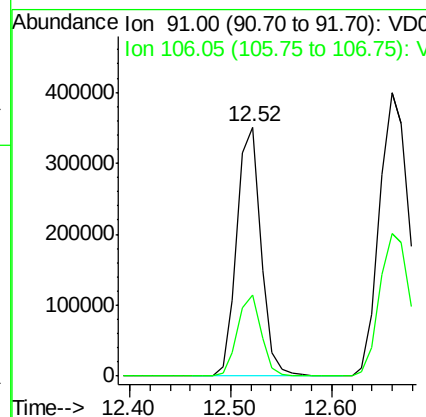
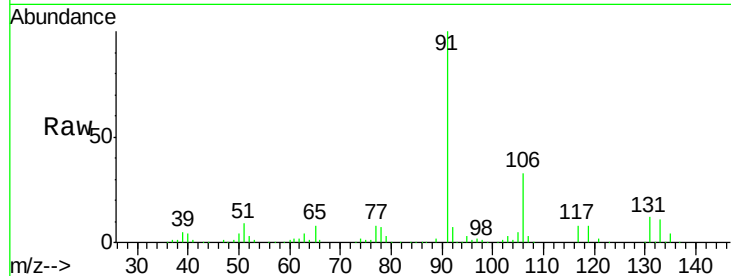




#67
Ethyl Benzene
Concen: 22.556 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

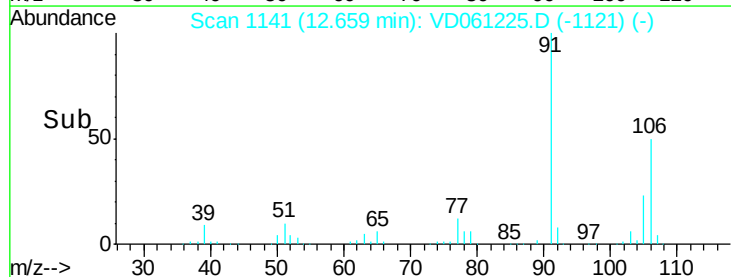
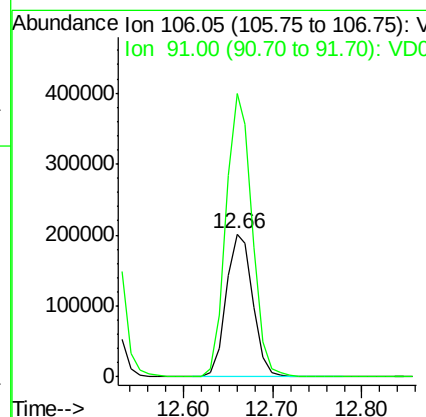
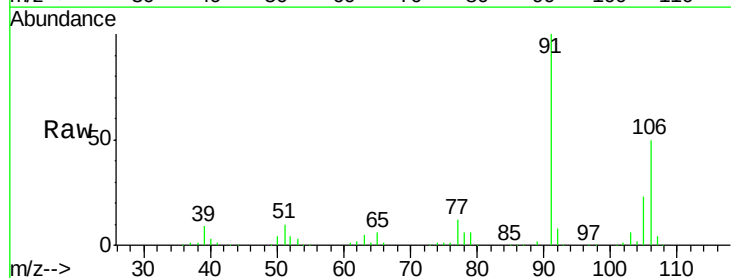
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

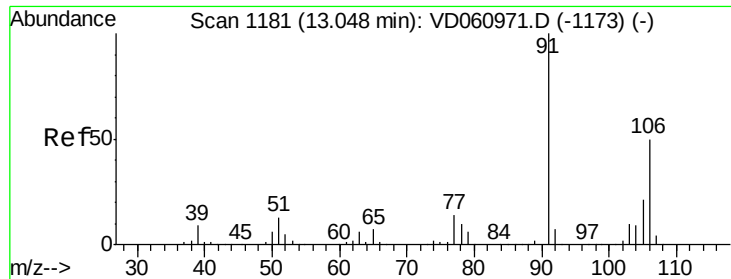
Tot Ion: 91 Resp: 583871
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 41.749 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion: 106 Resp: 424161
Ion Ratio Lower Upper
106 100
91 198.2 152.0 228.0

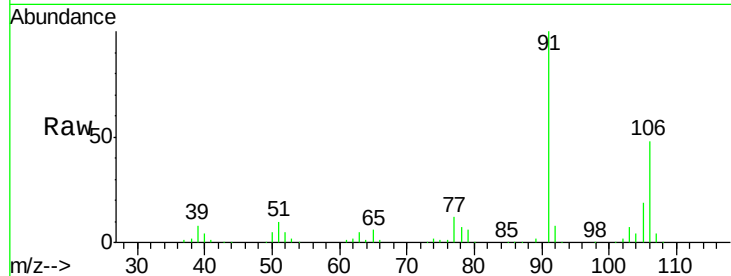




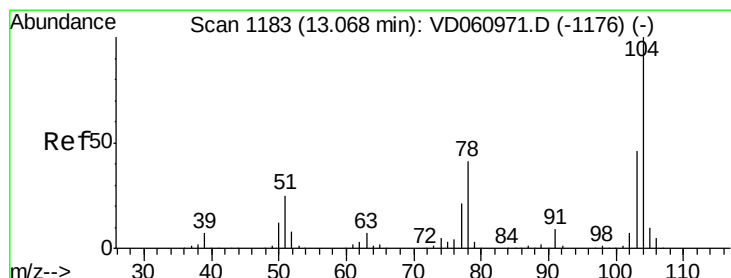
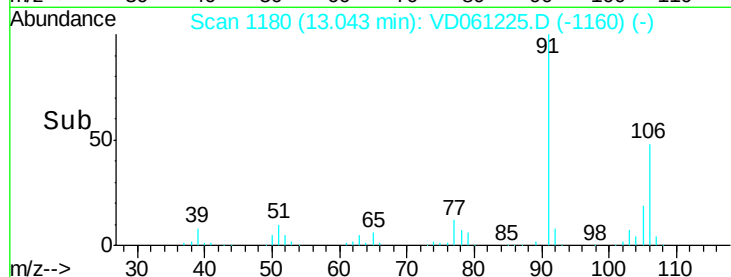
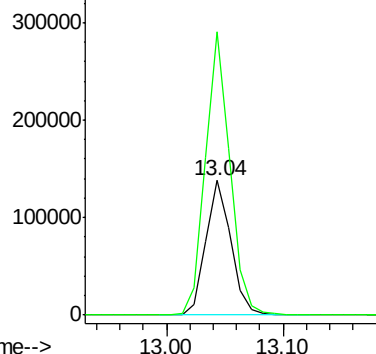
#69
o-Xylene
Concen: 20.608 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

Tot Ion:106 Resp: 205803
Ion Ratio Lower Upper
106 100
91 210.1 99.8 299.3

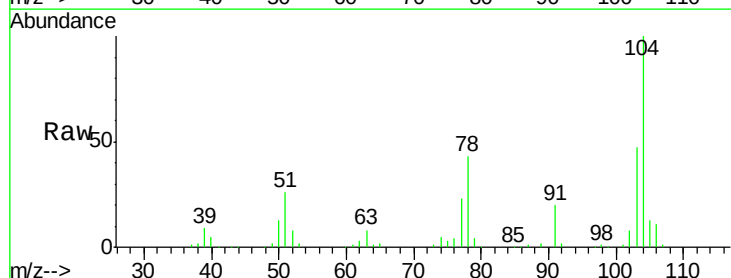


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

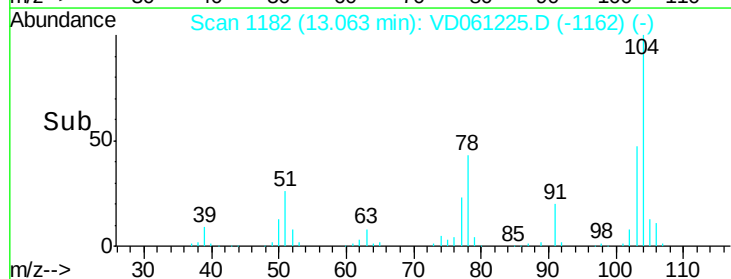
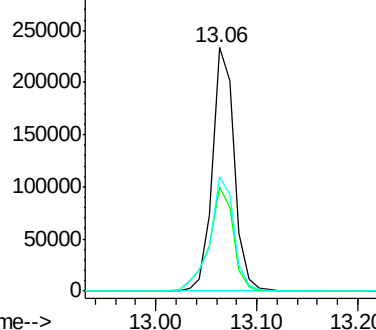


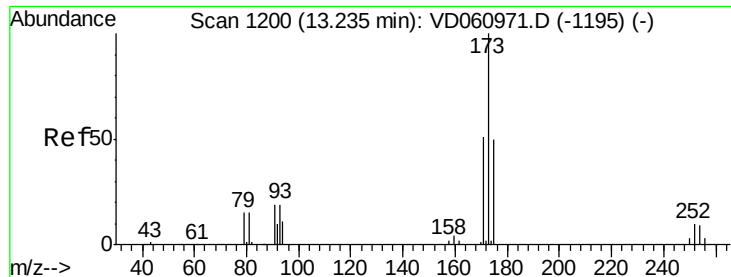
#70
Styrene
Concen: 21.645 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion:104 Resp: 352966
Ion Ratio Lower Upper
104 100
78 42.9 33.0 49.4
103 47.0 37.1 55.7



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

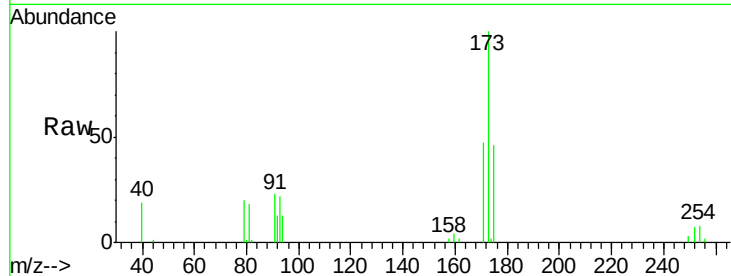




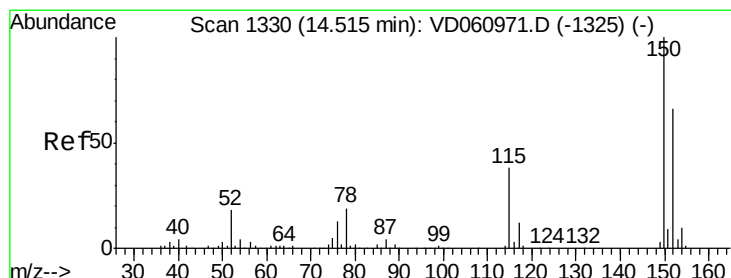
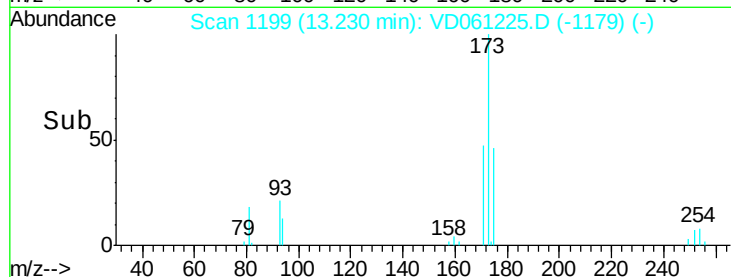
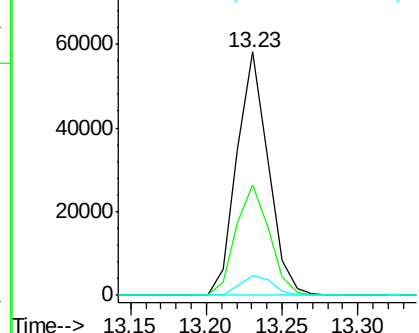
#71
Bromoform
Concen: 20.927 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

Tot Ion:173 Resp: 83668
Ion Ratio Lower Upper
173 100
175 45.6 24.9 74.8
254 8.1 7.3 10.9

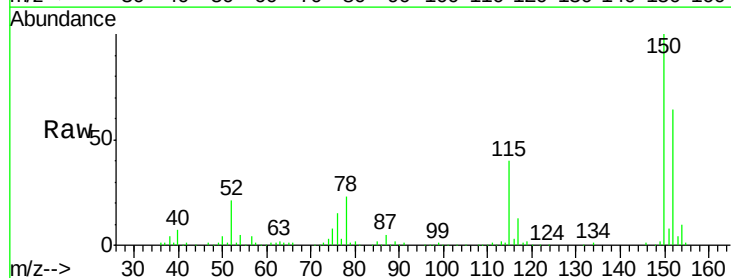


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

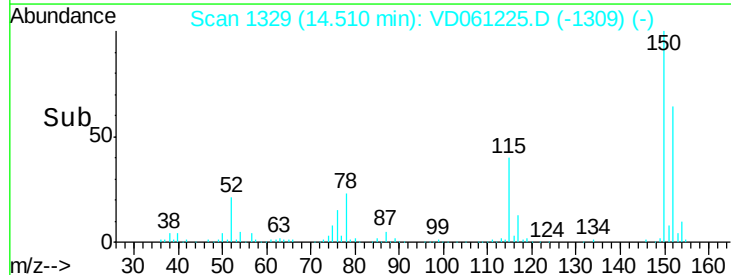
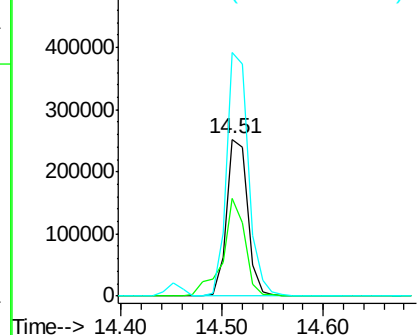


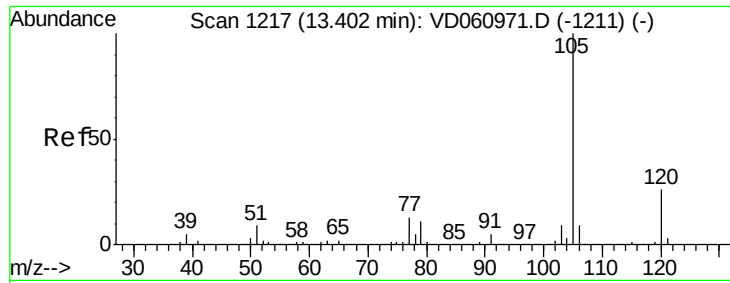
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061225.D
Acq: 21 Mar 2019 00:57

Tgt Ion:152 Resp: 365204
Ion Ratio Lower Upper
152 100
115 62.0 28.6 85.9
150 155.5 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: 19.395 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

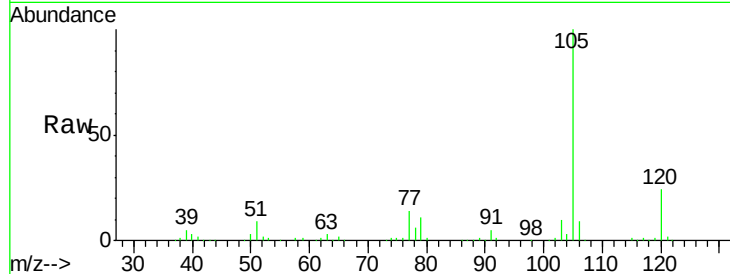
VD0320SBS02

Tot Ion:105 Resp: 510471

Ion Ratio Lower Upper

105 100

120 24.5 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

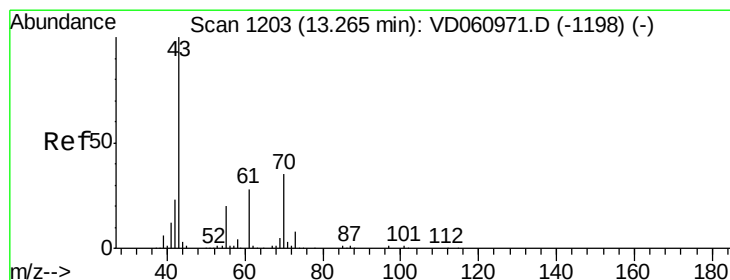
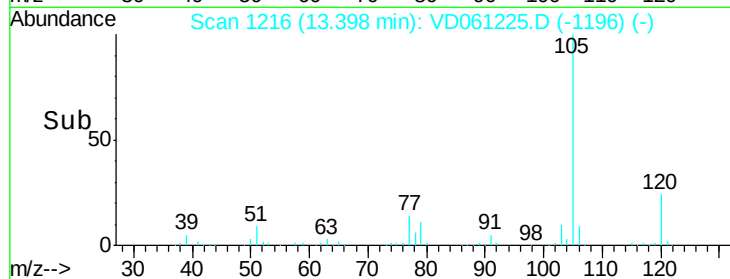
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.244 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Tgt Ion: 43 Resp: 157440

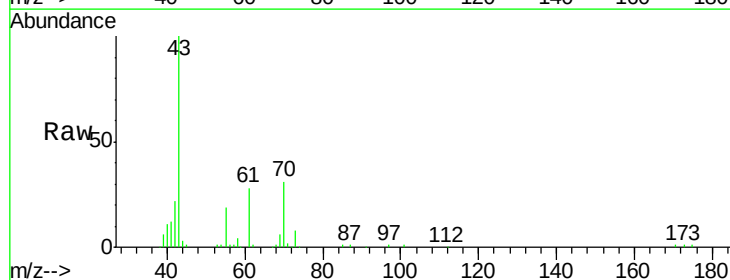
Ion Ratio Lower Upper

43 100

70 31.0 27.7 41.5

55 18.8 16.2 24.2

61 27.6 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

13.26

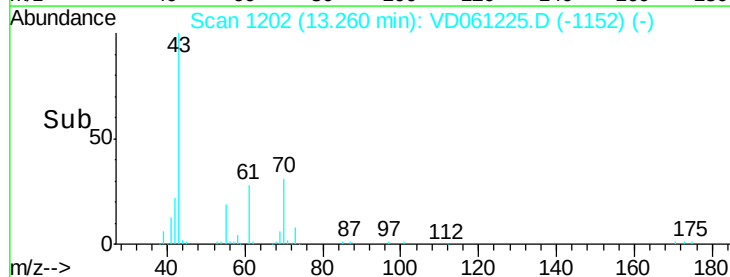
150000

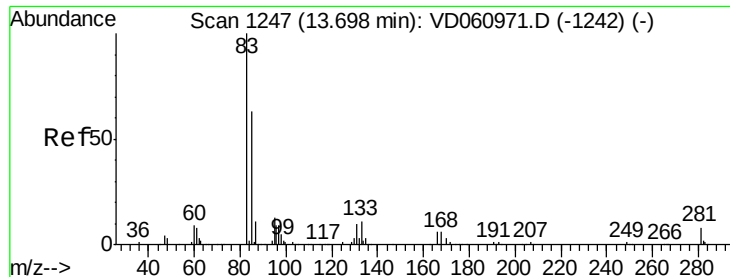
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.507 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

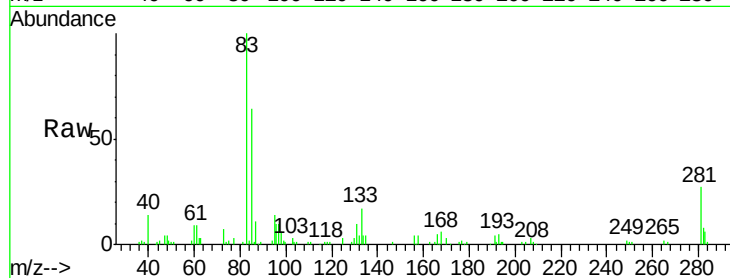
Tot Ion: 83 Resp: 110438

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

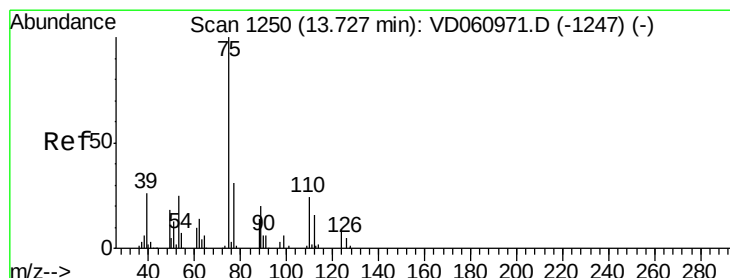
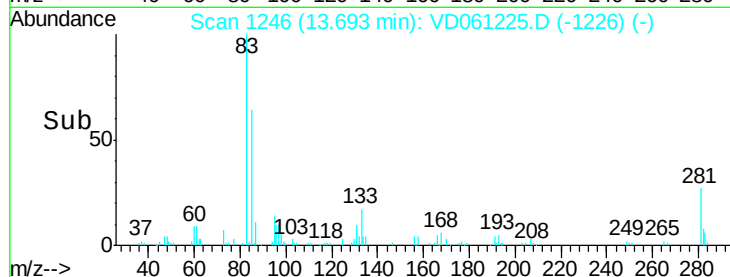
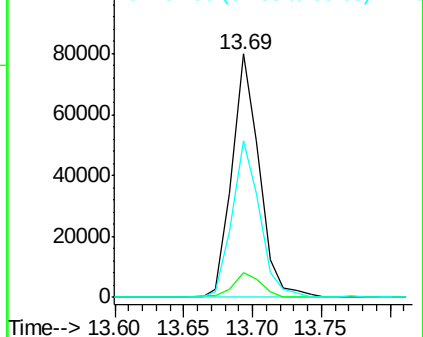
85 64.3 31.5 94.5



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: 22.269 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061225.D

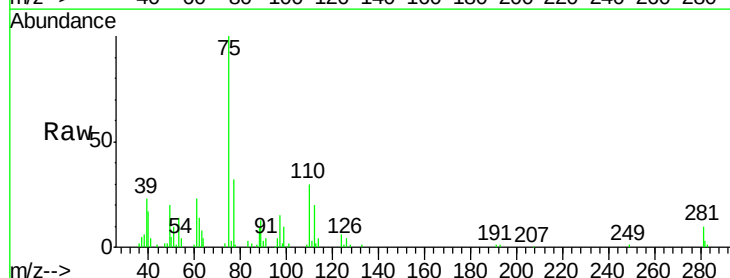
Acq: 21 Mar 2019 00:57

Tgt Ion: 75 Resp: 117004

Ion Ratio Lower Upper

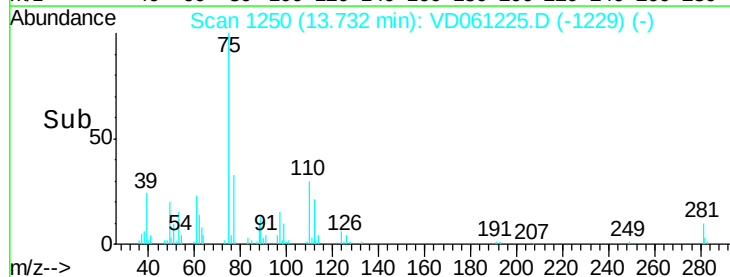
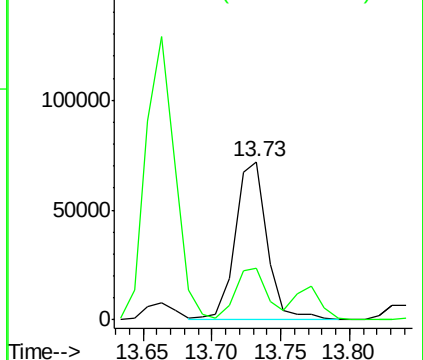
75 100

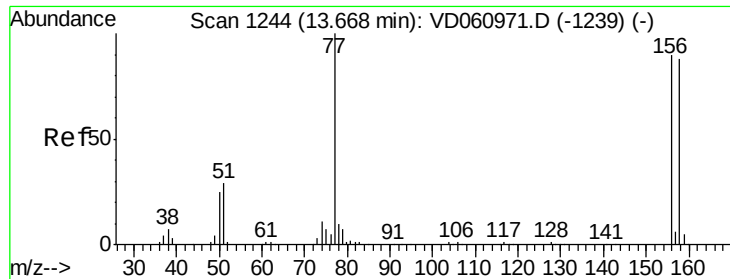
77 32.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.872 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

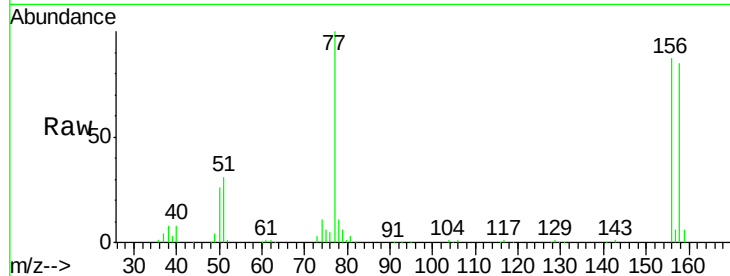
Tot Ion:156 Resp: 153667

Ion Ratio Lower Upper

156 100

77 115.2 55.5 166.7

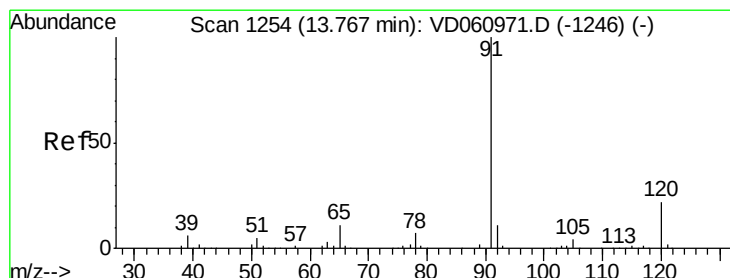
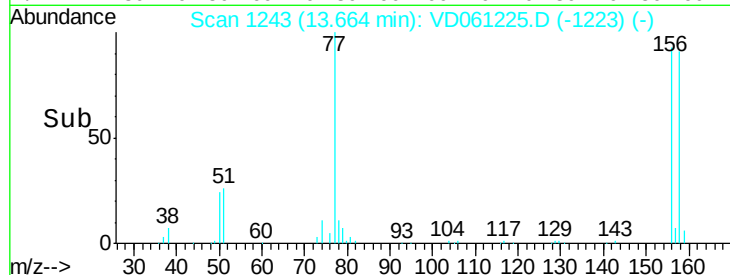
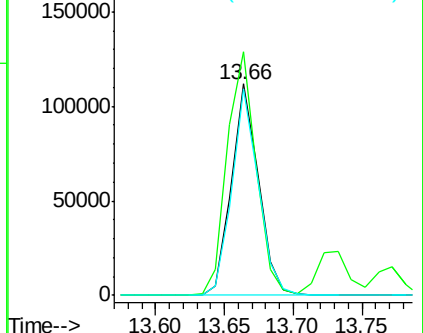
158 97.7 49.0 147.0



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: 20.120 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061225.D

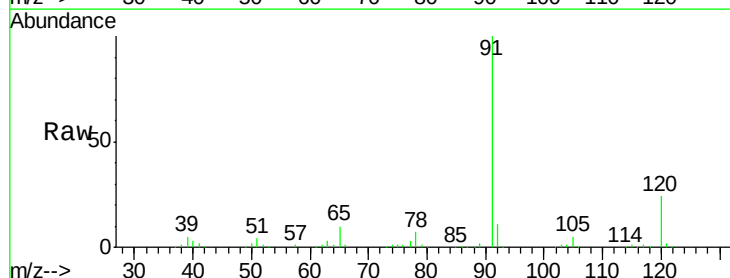
Acq: 21 Mar 2019 00:57

Tgt Ion: 91 Resp: 619947

Ion Ratio Lower Upper

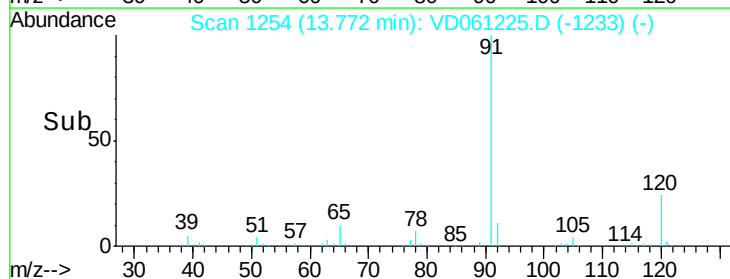
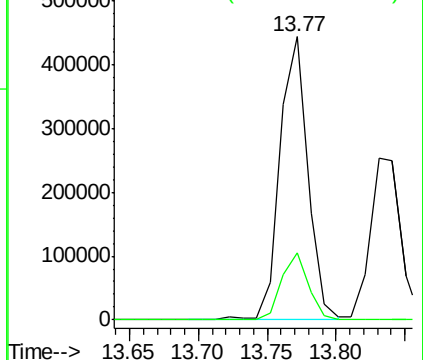
91 100

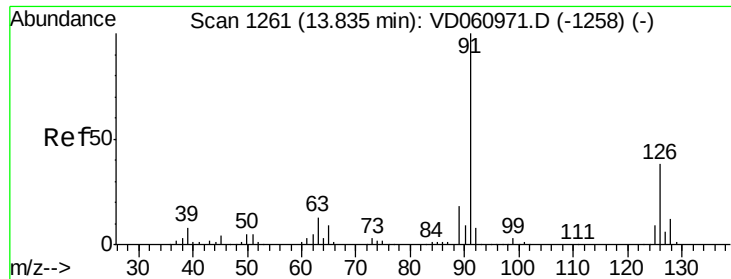
120 23.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

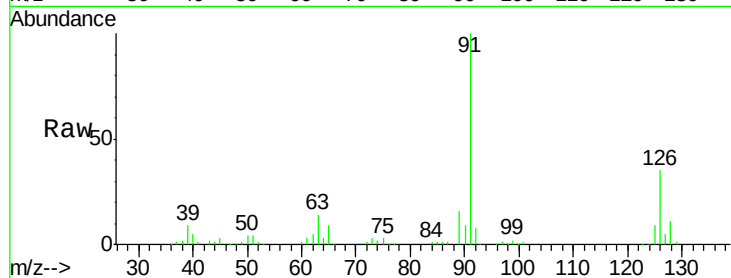




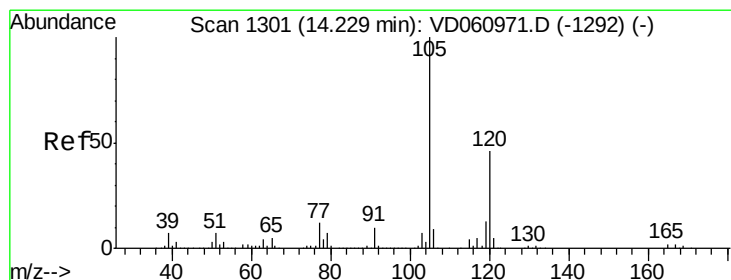
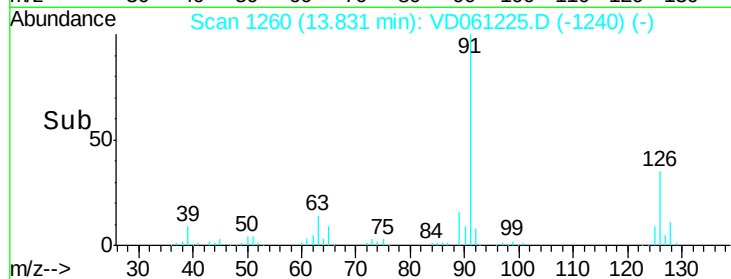
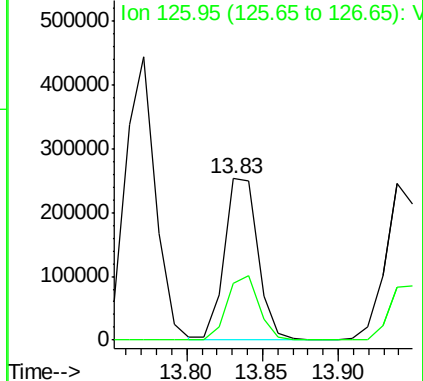
#79
 2-Chlorotoluene
 Concen: 22.896 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Tot Ion: 91 Resp: 388392
 Ion Ratio Lower Upper
 91 100
 126 35.1 18.6 55.6

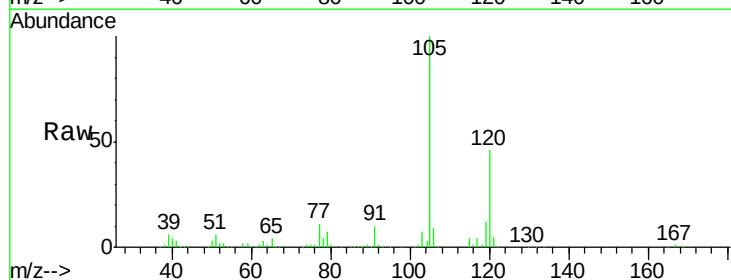


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

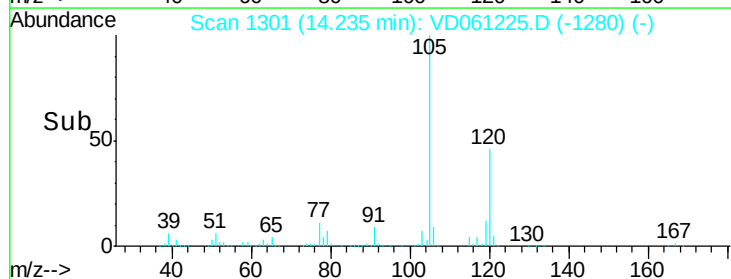
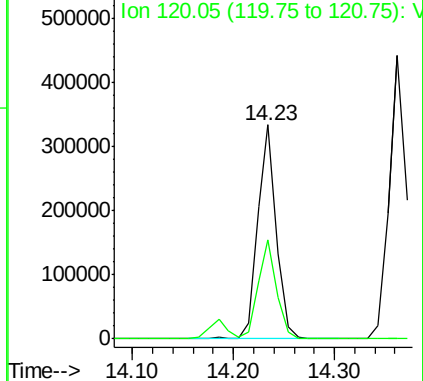


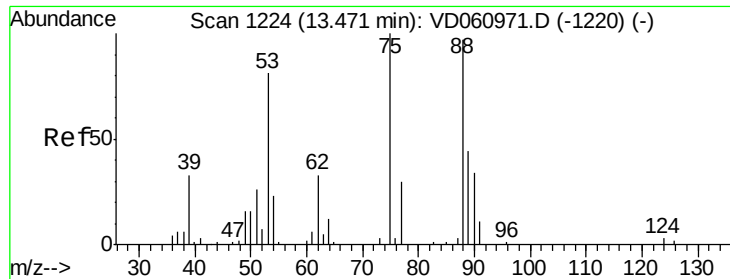
#80
 1,3,5-Trimethylbenzene
 Concen: 21.460 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 105 Resp: 428790
 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: 21.570 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

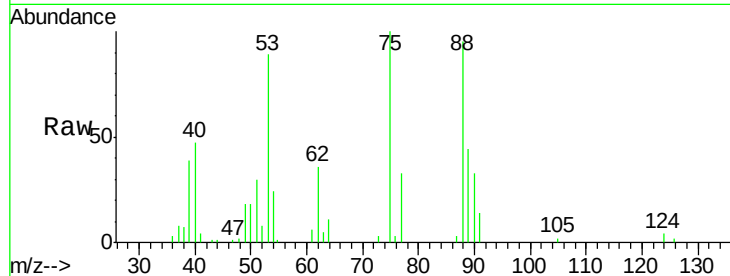
Tot Ion: 75 Resp: 33413

Ion Ratio Lower Upper

75 100

53 89.3 64.4 96.6

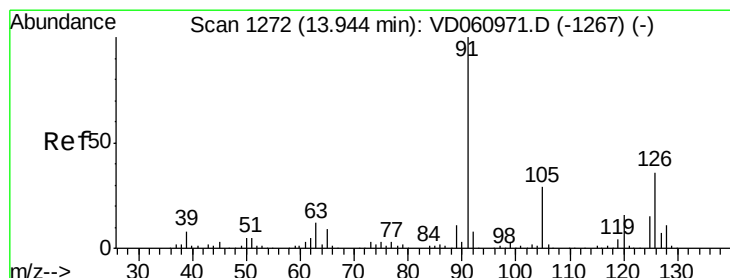
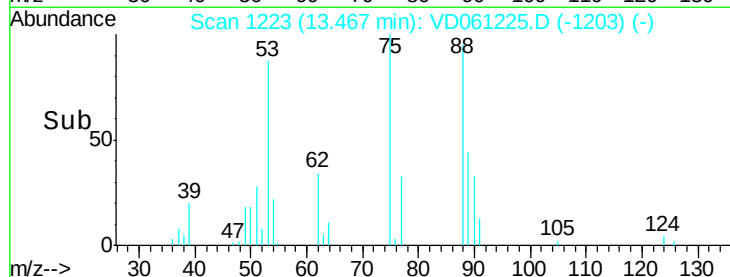
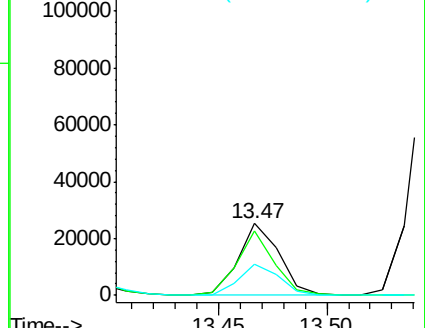
89 44.2 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.730 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061225.D

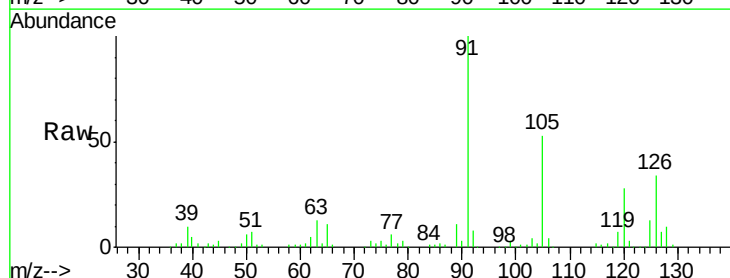
Acq: 21 Mar 2019 00:57

Tgt Ion: 91 Resp: 375608

Ion Ratio Lower Upper

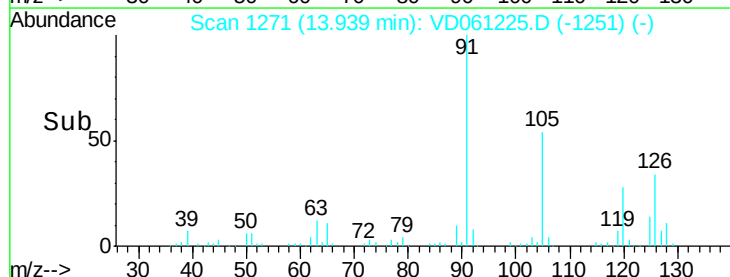
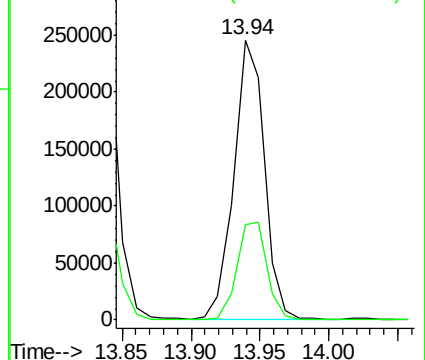
91 100

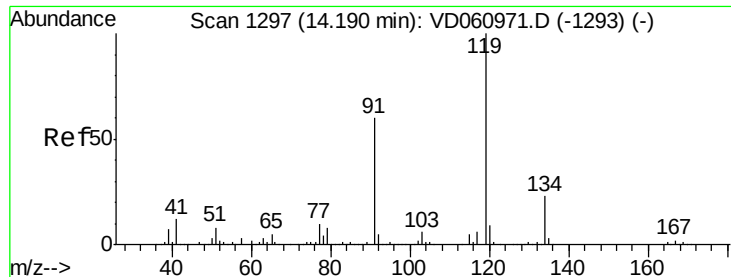
126 34.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 23.833 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

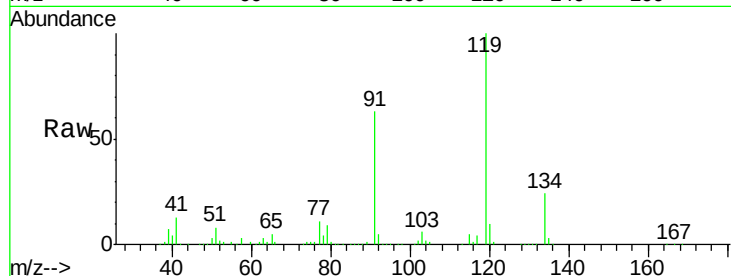
Tot Ion:119 Resp: 521140

Ion Ratio Lower Upper

119 100

91 63.1 30.1 90.3

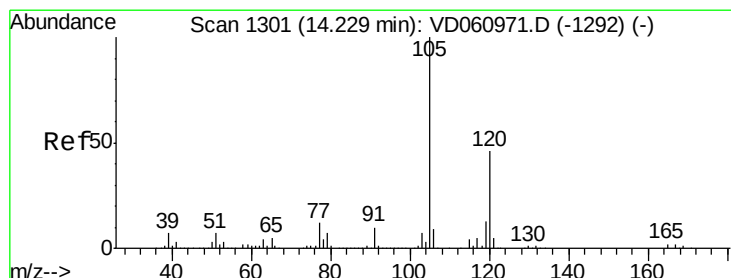
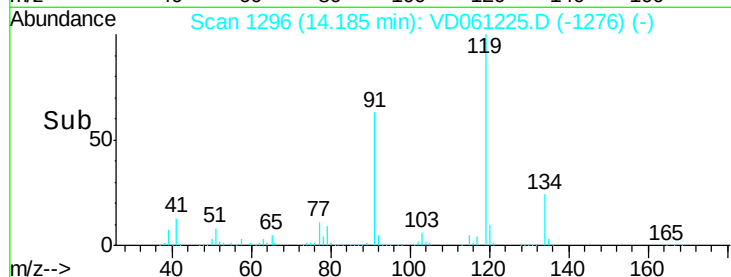
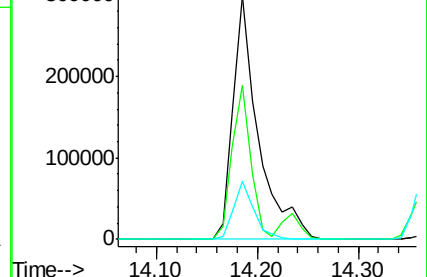
134 23.6 11.6 34.7



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: 21.460 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD061225.D

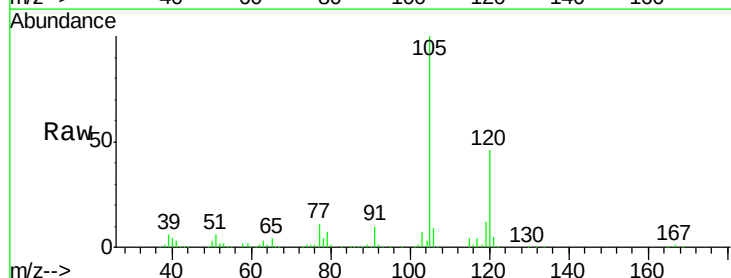
Acq: 21 Mar 2019 00:57

Tgt Ion:105 Resp: 428790

Ion Ratio Lower Upper

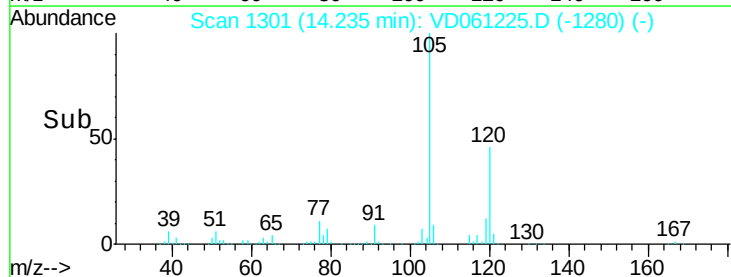
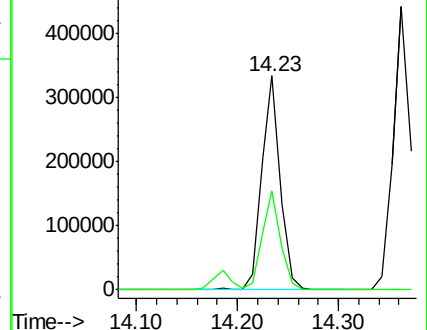
105 100

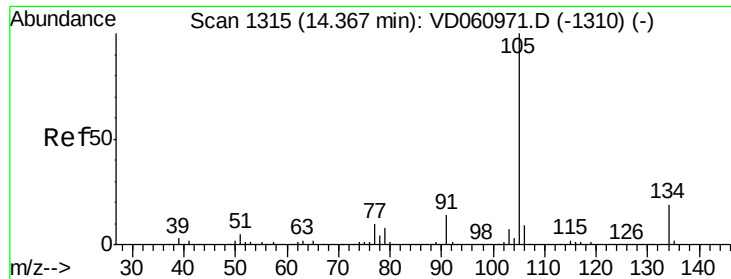
120 46.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.380 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

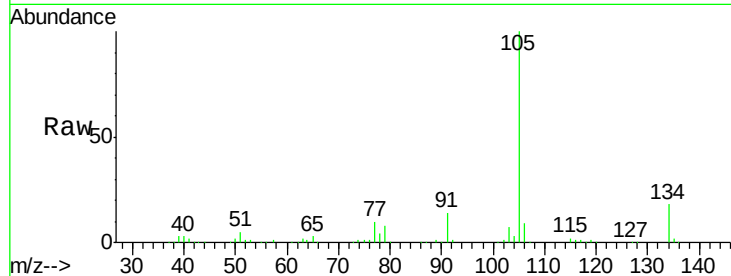
VD0320SBS02

Tot Ion:105 Resp: 544045

Ion Ratio Lower Upper

105 100

134 18.1 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

400000

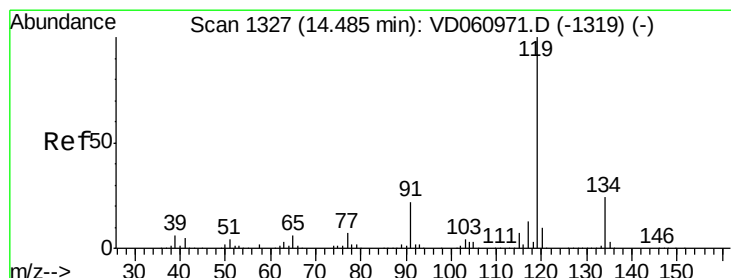
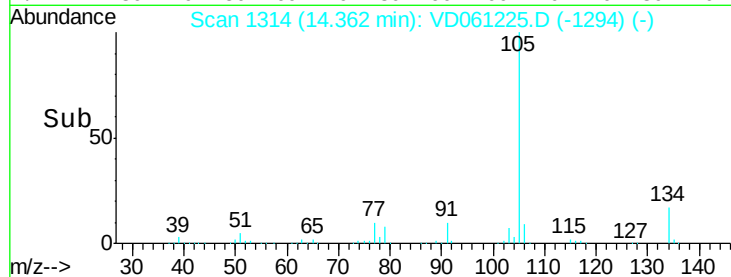
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.760 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

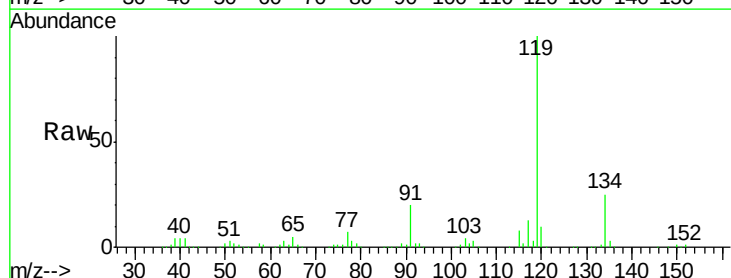
Tgt Ion:119 Resp: 496637

Ion Ratio Lower Upper

119 100

134 25.5 12.0 36.1

91 20.2 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.49

400000

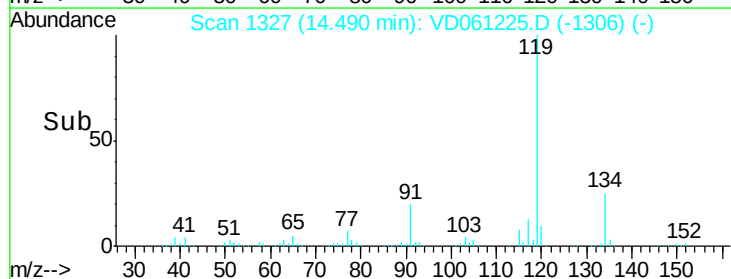
300000

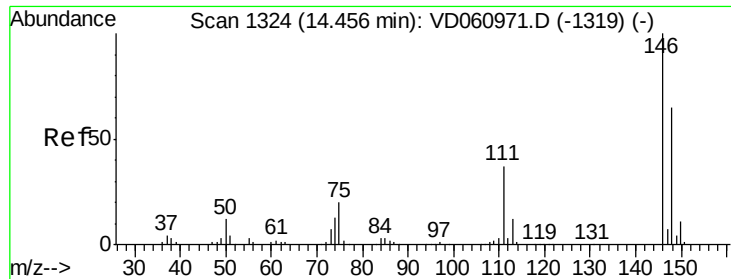
200000

100000

0

Time-->

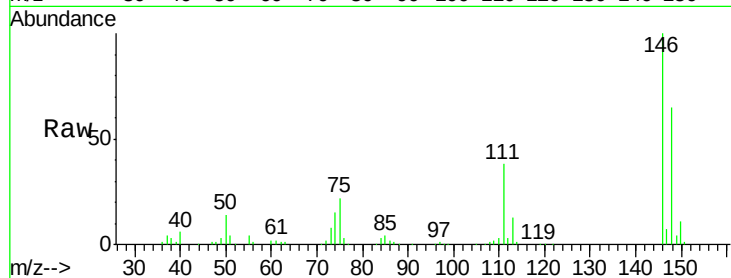




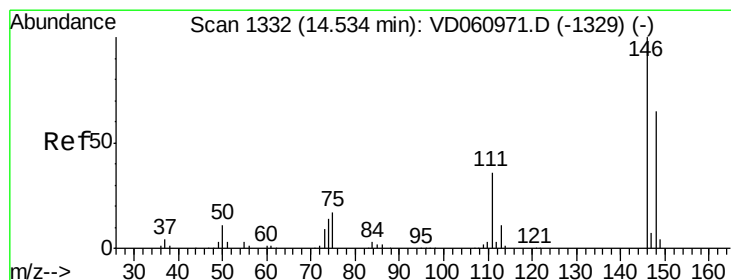
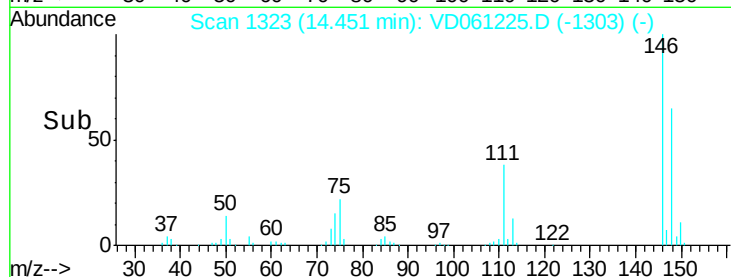
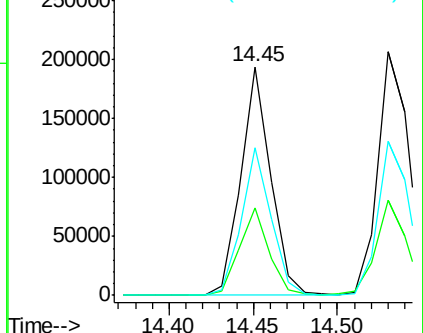
#87
 1,3-Dichlorobenzene
 Concen: 19.942 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Tot Ion:146 Resp: 239241
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.4 55.4
 148 64.6 32.5 97.4

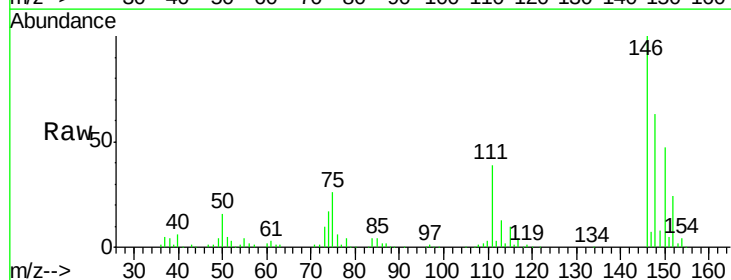


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

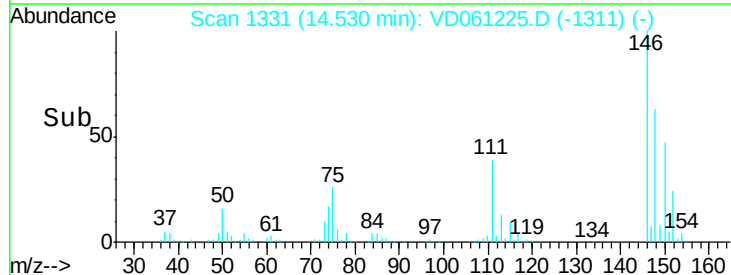
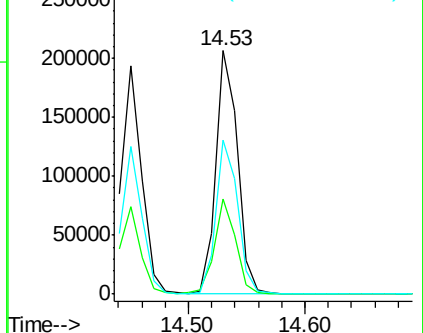


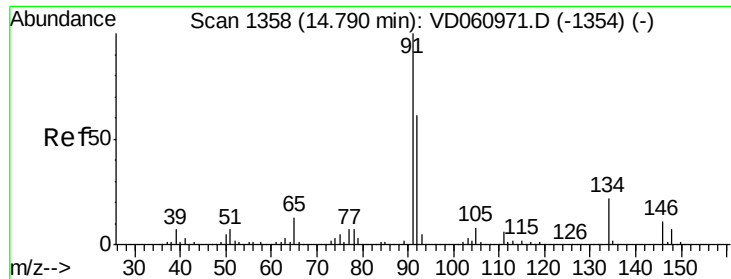
#88
 1,4-Dichlorobenzene
 Concen: 22.642 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion:146 Resp: 266935
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.2
 148 63.3 32.5 97.5



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





#89

n-Butylbenzene

Concen: 19.993 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

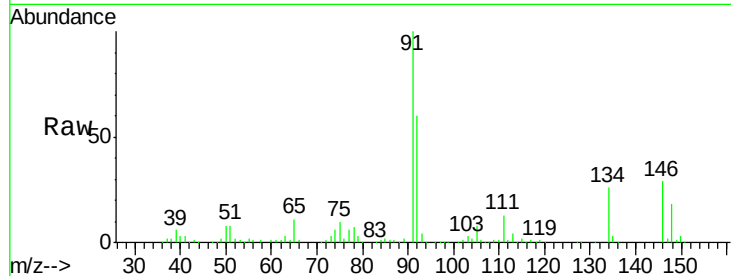
Tot Ion: 91 Resp: 418934

Ion Ratio Lower Upper

91 100

92 60.4 30.6 91.8

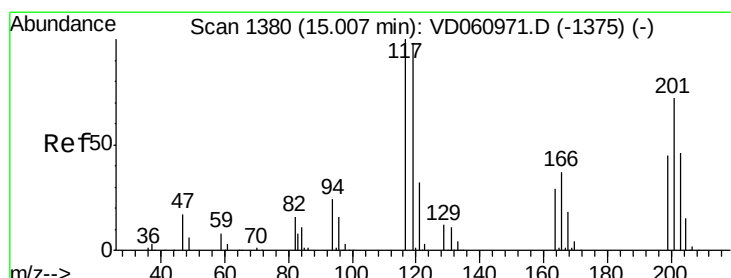
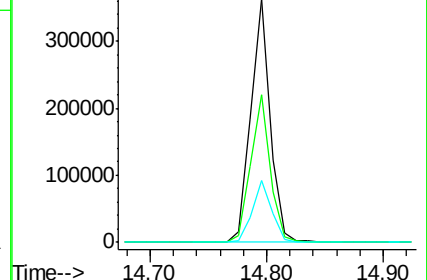
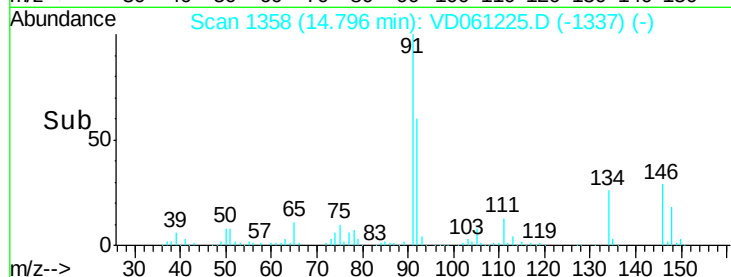
134 25.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.150 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061225.D

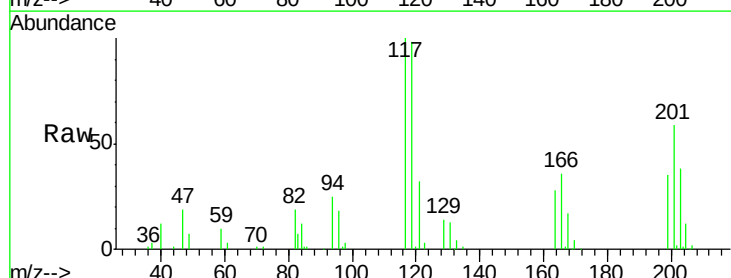
Acq: 21 Mar 2019 00:57

Tgt Ion: 117 Resp: 136480

Ion Ratio Lower Upper

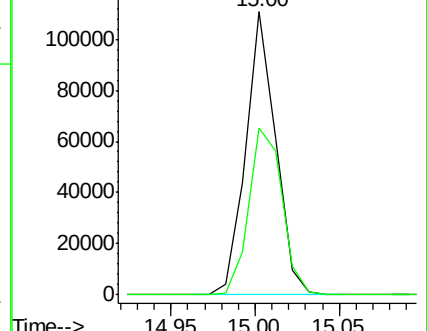
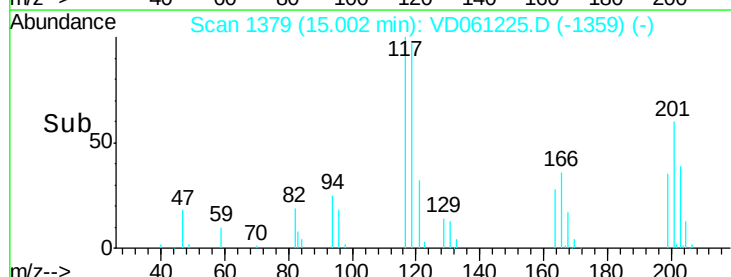
117 100

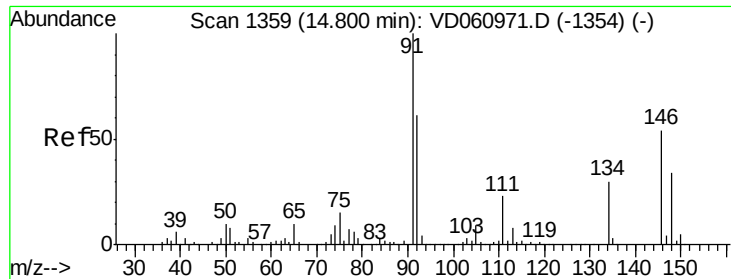
201 58.8 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

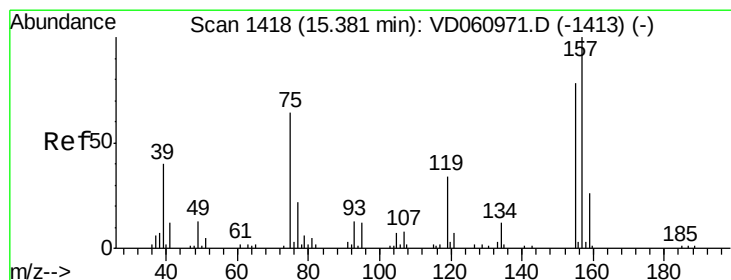
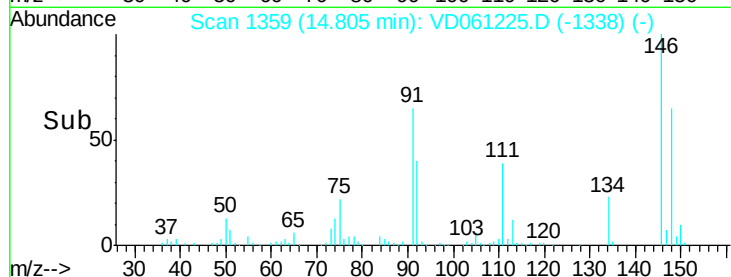
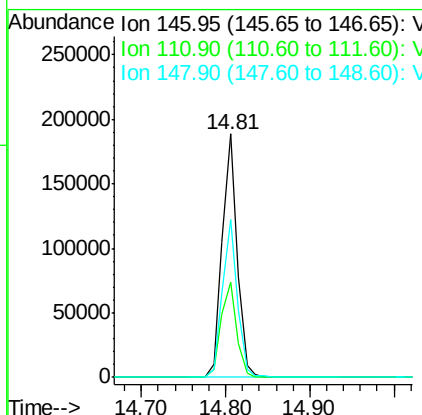
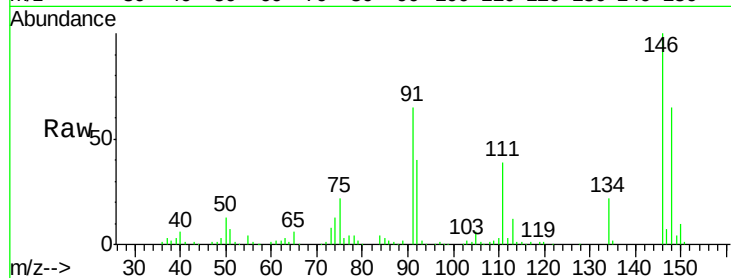




#91
 1,2-Dichlorobenzene
 Concen: 23.502 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

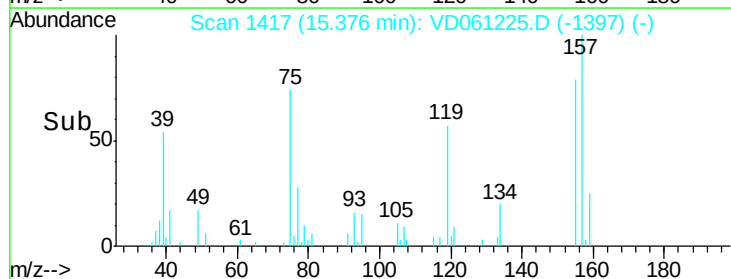
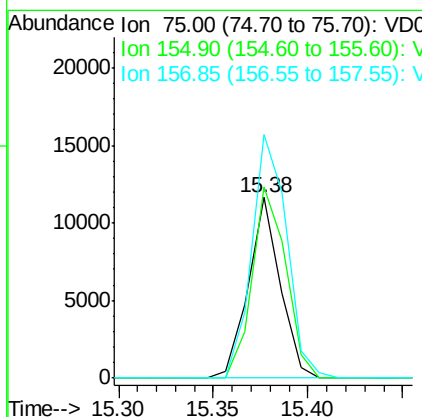
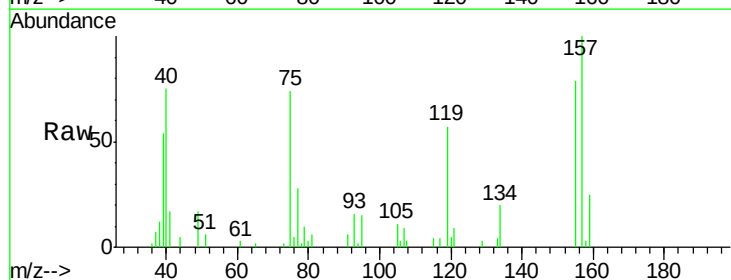
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

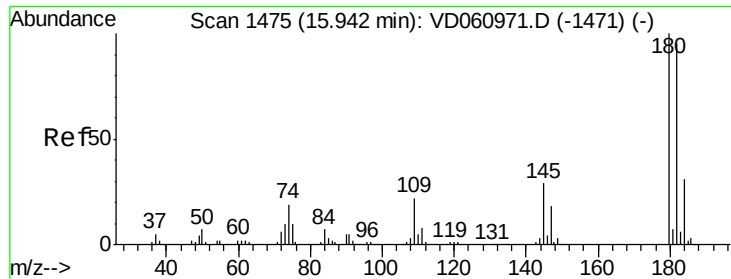
Tot Ion:146 Resp: 235049
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.5 64.5
 148 64.6 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.994 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion: 75 Resp: 13610
 Ion Ratio Lower Upper
 75 100
 155 105.8 61.2 183.5
 157 134.7 78.3 234.8

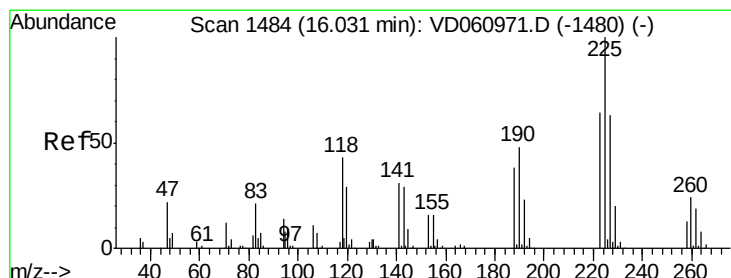
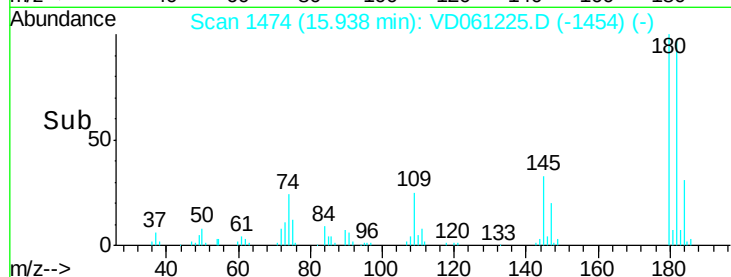
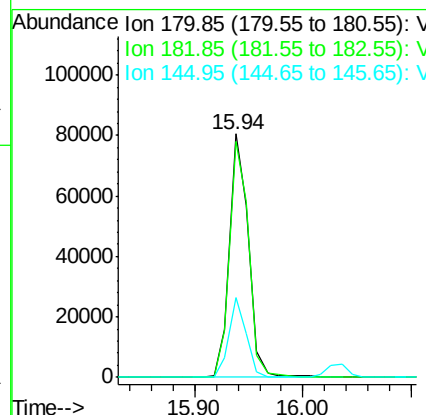
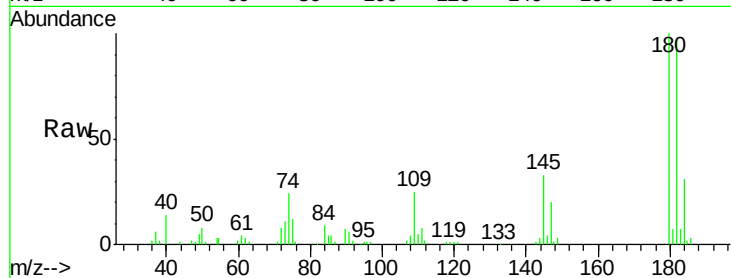




#93
 1,2,4-Trichlorobenzene
 Concen: 21.111 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

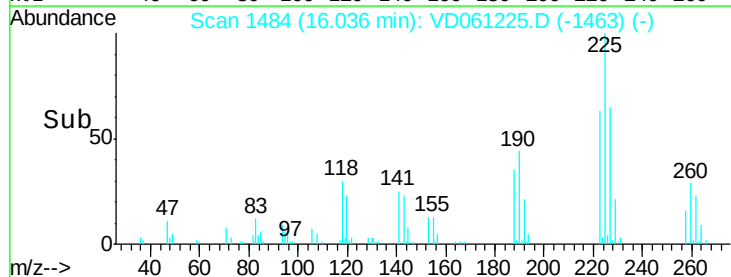
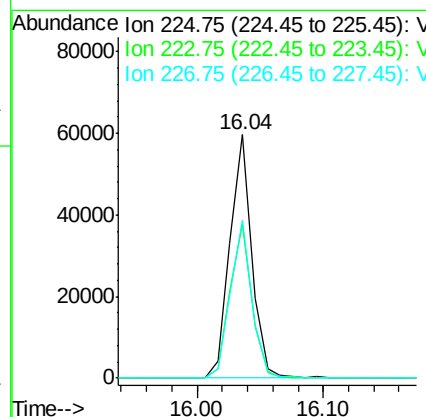
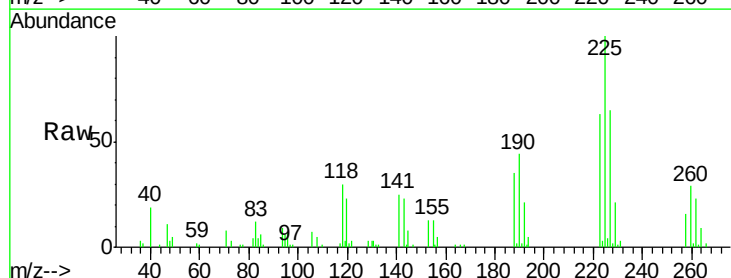
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

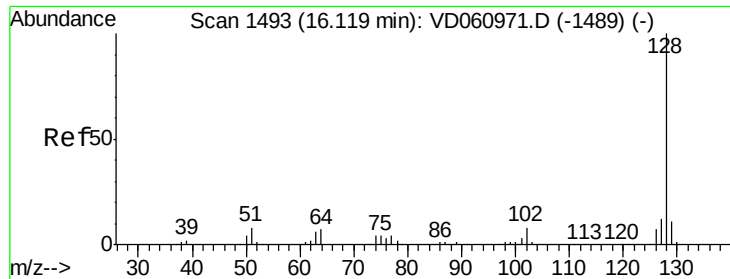
Tot Ion:180 Resp: 97946
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.3 142.0
 145 32.8 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 20.268 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061225.D
 Acq: 21 Mar 2019 00:57

Tgt Ion:225 Resp: 71127
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.8 95.3
 227 65.0 31.4 94.0





#95

Naphthalene

Concen: 21.388 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

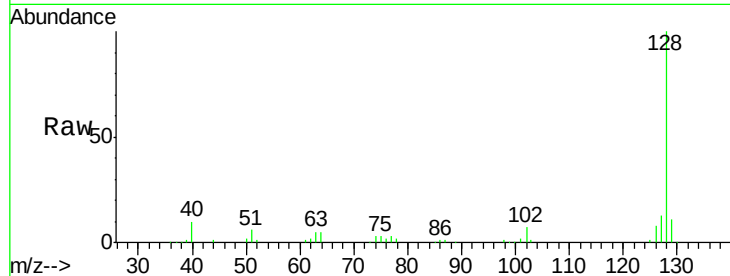
Tot Ion:128 Resp: 150798

Ion Ratio Lower Upper

128 100

127 12.8 9.8 14.8

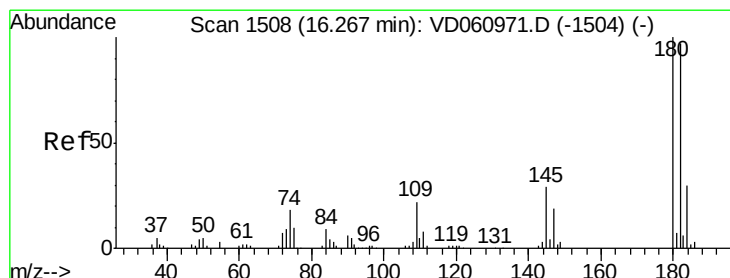
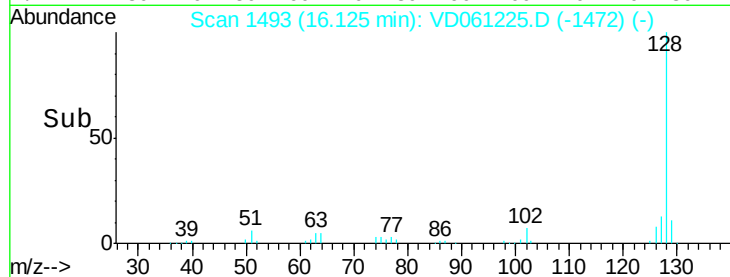
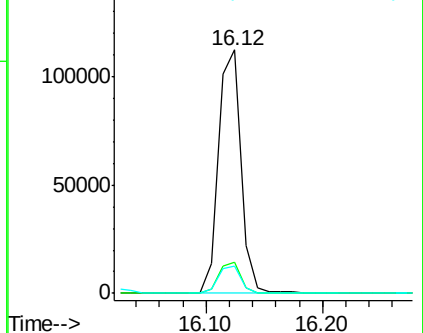
129 11.0 8.5 12.7



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: 17.339 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD061225.D

Acq: 21 Mar 2019 00:57

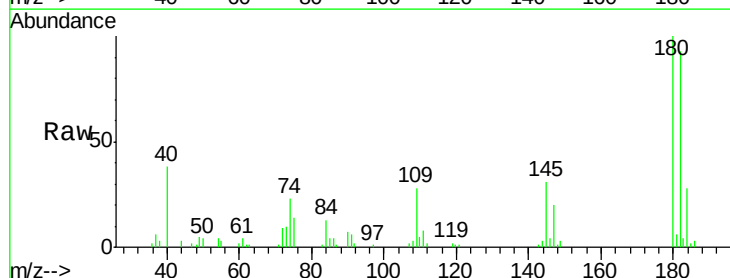
Tgt Ion:180 Resp: 39732

Ion Ratio Lower Upper

180 100

182 92.7 48.6 145.8

145 30.9 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

