

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110918\
 Data File : VD060310.D
 Acq On : 9 Nov 2018 14:05
 Operator : VA/AP
 Sample : VD1109SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Quant Time: Nov 12 14:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1655720	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2207761	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1790674	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	917861	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	601404	50.73	ug/l	-0.02
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	6.31	113	847222	51.46	ug/l	-0.02
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	9.44	98	2411967	50.06	ug/l	-0.02
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.43	95	888356	50.88	ug/l	-0.01
Spiked Amount			Recovery	=	101.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	310979	21.317	ug/l	98
3) Chloromethane	1.76	50	285360	18.195	ug/l	98
4) Vinyl Chloride	1.85	62	238122	18.591	ug/l	97
5) Bromomethane	2.14	94	42080	13.848	ug/l	97
6) Chloroethane	2.25	64	64835	15.256	ug/l	98
7) Trichlorofluoromethane	2.51	101	278279	18.428	ug/l	99
8) Diethyl Ether	2.82	74	48381	17.696	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.09	101	186006	18.728	ug/l	96
10) Methyl Iodide	3.23	142	228104	17.683	ug/l	99
11) Tert butyl alcohol	3.96	59	45501	93.466	ug/l #	92
12) 1,1-Dichloroethene	3.07	96	152509	18.877	ug/l	96
13) Acrolein	2.98	56	47392	82.388	ug/l	98
14) Allyl chloride	3.53	41	280380	18.138	ug/l	97
15) Acrylonitrile	4.08	53	271246	95.547	ug/l	97
16) Acetone	3.16	43	202793	98.615	ug/l	99
17) Carbon Disulfide	3.30	76	458318	17.576	ug/l	99
18) Methyl Acetate	3.55	43	78930	18.001	ug/l	95
19) Methyl tert-butyl Ether	4.12	73	471814	19.504	ug/l	100
20) Methylene Chloride	3.71	84	372639	20.427	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	344391	19.199	ug/l	100
22) Diisopropyl ether	4.85	45	1121900	19.426	ug/l	98
23) Vinyl Acetate	4.80	43	2885898	100.427	ug/l	98
24) 1,1-Dichloroethane	4.75	63	577061	19.485	ug/l	99
25) 2-Butanone	5.62	43	417161	97.596	ug/l	98
26) 2,2-Dichloropropane	5.58	77	467320	20.297	ug/l	97
27) cis-1,2-Dichloroethene	5.59	96	362450	19.395	ug/l	97
28) Bromochloromethane	5.91	49	246857	18.892	ug/l	96
29) Tetrahydrofuran	5.95	42	223231	99.056	ug/l	99
30) Chloroform	6.10	83	572962	19.353	ug/l	100
31) Cyclohexane	6.35	56	527693	18.643	ug/l	96
32) 1,1,1-Trichloroethane	6.29	97	463697	18.594	ug/l	98
36) 1,1-Dichloropropene	6.51	75	447456	20.515	ug/l	98
37) Ethyl Acetate	5.69	43	210473	20.970	ug/l	98
38) Carbon Tetrachloride	6.49	117	403367	19.936	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	485507	19.353	ug/l	98
40) Benzene	6.79	78	1155647	20.756	ug/l	100
41) Methacrylonitrile	5.94	41	234928	20.450	ug/l #	96
42) 1,2-Dichloroethane	6.89	62	298727	20.499	ug/l	97
43) Isopropyl Acetate	8.34	43	250639	19.880	ug/l #	97
44) Trichloroethene	7.73	130	347553	20.592	ug/l	96
45) 1,2-Dichloropropane	8.10	63	288168	20.522	ug/l	97
46) Dibromomethane	8.21	93	164418	19.992	ug/l	95
47) Bromodichloromethane	8.48	83	388962	20.070	ug/l	99
48) Methyl methacrylate	8.23	41	154483	20.172	ug/l	98
49) 1,4-Dioxane	8.22	88	28730	433.593	ug/l #	82
51) 4-Methyl-2-Pentanone	9.34	43	827627	100.859	ug/l	100
52) Toluene	9.54	92	715077	20.106	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	330461	20.182	ug/l	94
54) cis-1,3-Dichloropropene	9.10	75	426262	20.296	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	203036	19.697	ug/l	98
56) Ethyl methacrylate	10.02	69	188158	19.852	ug/l	97
57) 1,3-Dichloropropane	10.38	76	321324	20.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	615545	107.410	ug/l	97
59) 2-Hexanone	10.49	43	635258	108.618	ug/l	99
60) Dibromochloromethane	10.64	129	256726	20.488	ug/l	99
61) 1,2-Dibromoethane	10.75	107	207787	20.118	ug/l	97
64) Tetrachloroethene	10.24	164	320198	20.030	ug/l	99
65) Chlorobenzene	11.30	112	768928	19.818	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	267065	21.038	ug/l	94
67) Ethyl Benzene	11.42	91	1374996	20.717	ug/l	98
68) m/p-Xylenes	11.56	106	1006101	41.094	ug/l	95
69) o-Xylene	11.93	106	462836	19.568	ug/l	97
70) Styrene	11.95	104	740638	19.375	ug/l	98
71) Bromoform	12.11	173	163943	19.219	ug/l	98
73) Isopropylbenzene	12.27	105	1279890	19.139	ug/l	100
74) N-amyl acetate	12.13	43	318248	18.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	222049	20.303	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	216896	19.754	ug/l	98
77) Bromobenzene	12.53	156	328820	18.511	ug/l	86
78) n-propylbenzene	12.63	91	1639497	19.642	ug/l	97
79) 2-Chlorotoluene	12.70	91	890000	19.468	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1027687	19.774	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	59584	19.061	ug/l	95
82) 4-Chlorotoluene	12.81	91	1018506	19.833	ug/l	88
83) tert-Butylbenzene	13.05	119	1157077	20.054	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1026092	19.769	ug/l	98
85) sec-Butylbenzene	13.22	105	1372352	19.386	ug/l	94
86) p-Isopropyltoluene	13.34	119	1108981	19.454	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	654671	20.715	ug/l	94
88) 1,4-Dichlorobenzene	13.39	146	633768	20.534	ug/l	98
89) n-Butylbenzene	13.65	91	1206525	19.152	ug/l	98
90) Hexachloroethane	13.85	117	258945	19.156	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	547370	21.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	25742	19.499	ug/l	97

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Quant Title : SW846 8260
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Response via : Initial Calibration

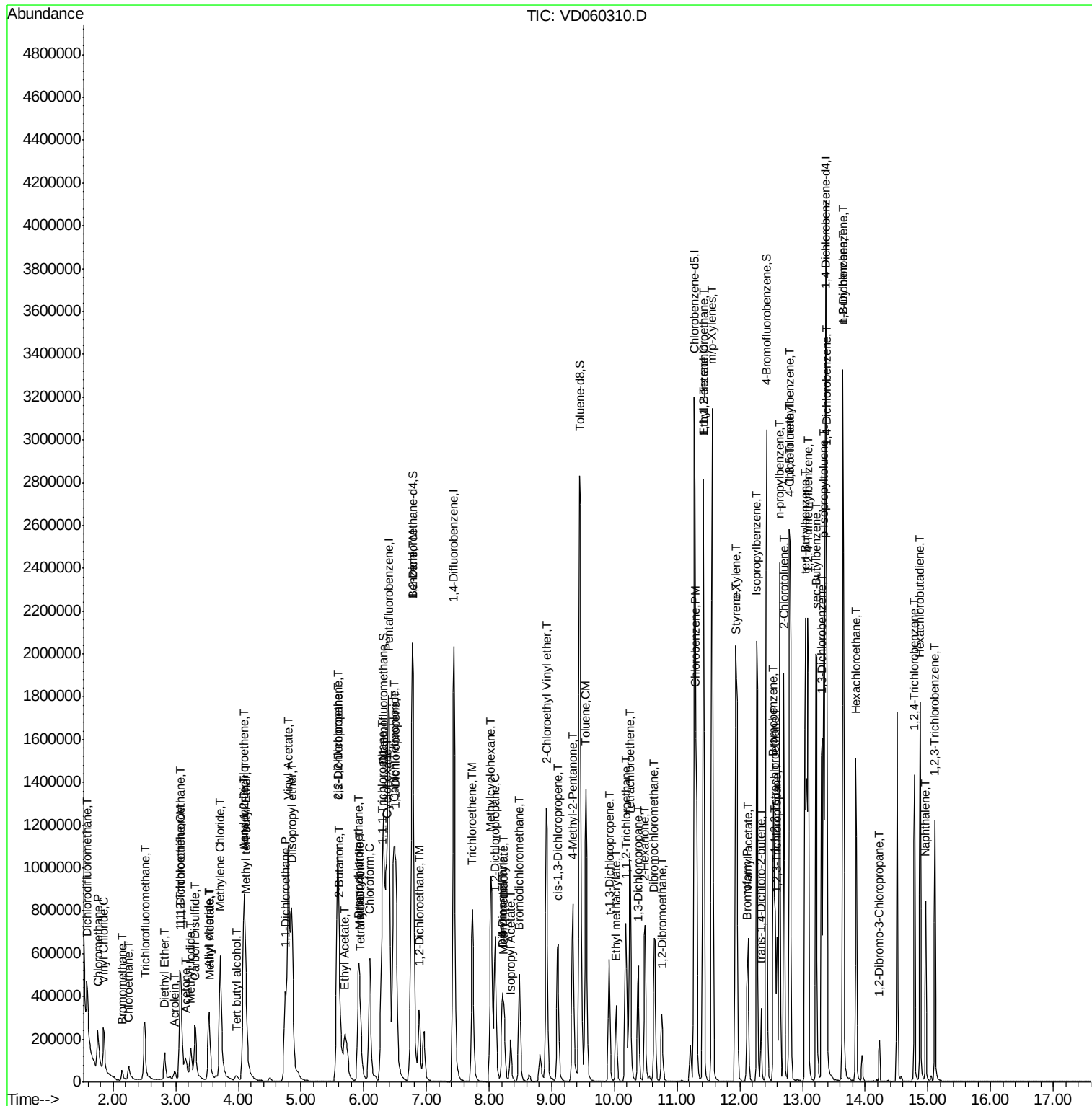
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	413059	20.070	ug/l	99
94) Hexachlorobutadiene	14.88	225	299264	19.440	ug/l	98
95) Naphthalene	14.96	128	475766	18.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	318106	19.288	ug/l	99

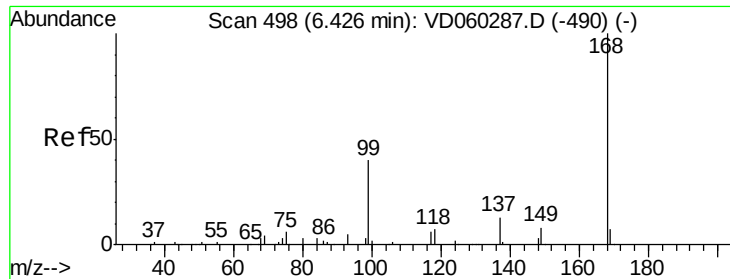
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

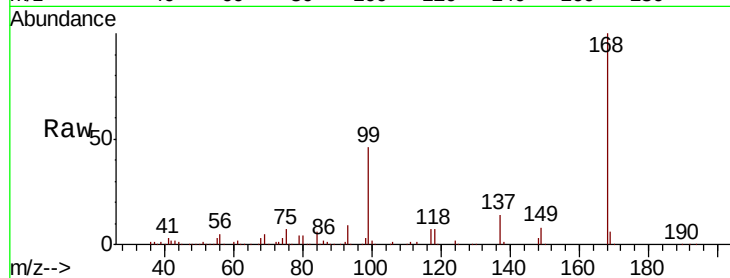
VD1109SBS01

Tot Ion:168 Resp: 1655720

Ion Ratio Lower Upper

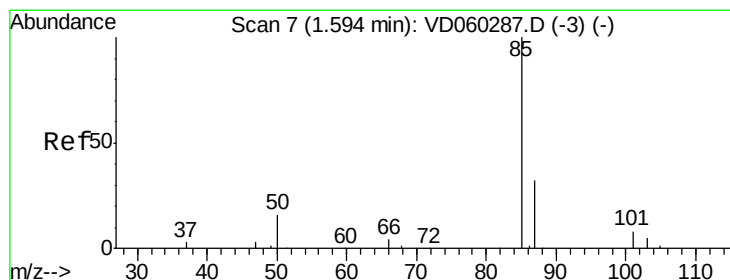
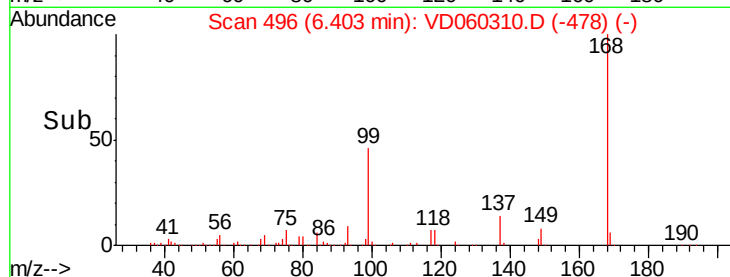
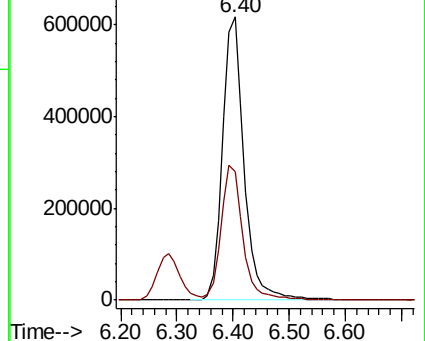
168 100

99 45.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.317 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060310.D

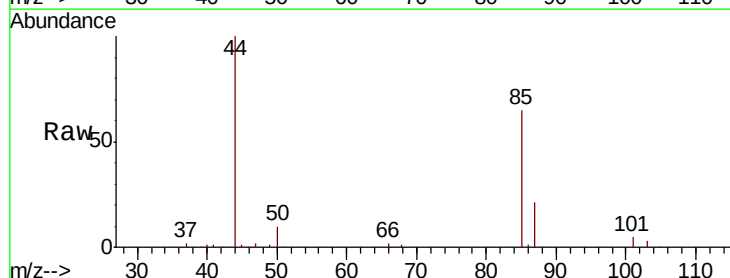
Acq: 9 Nov 2018 14:05

Tgt Ion: 85 Resp: 310979

Ion Ratio Lower Upper

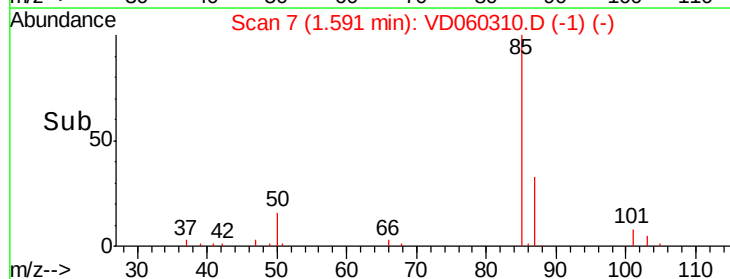
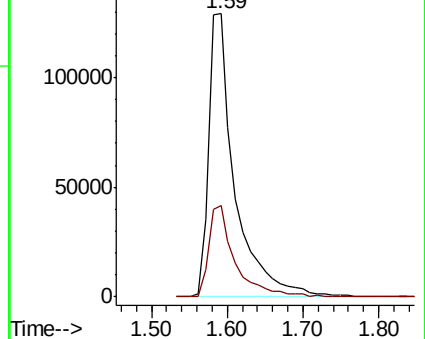
85 100

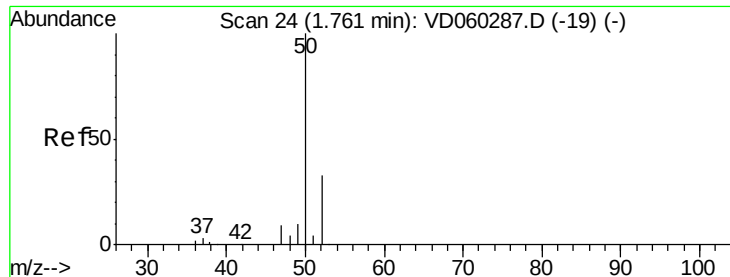
87 32.5 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.195 ug/l

RT: 1.76 min Scan# 24

Delta R.T. -0.00 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

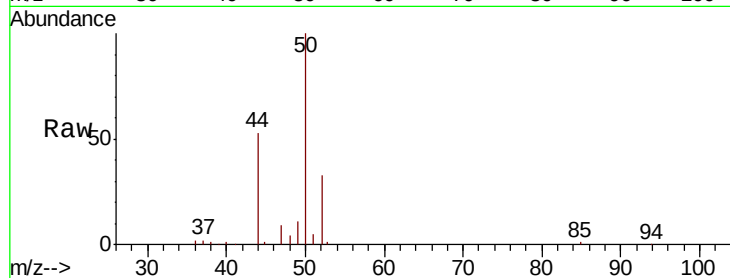
VD1109SBS01

Tot Ion: 50 Resp: 285360

Ion Ratio Lower Upper

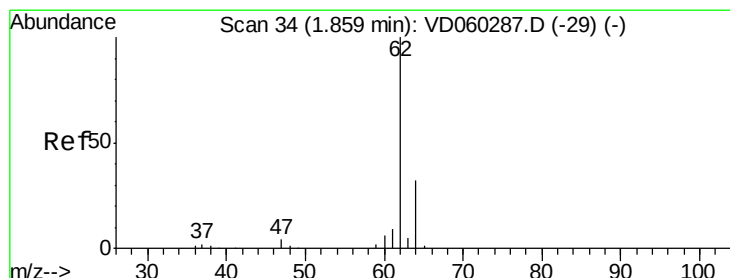
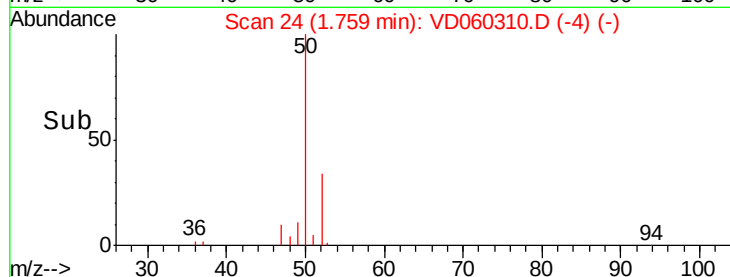
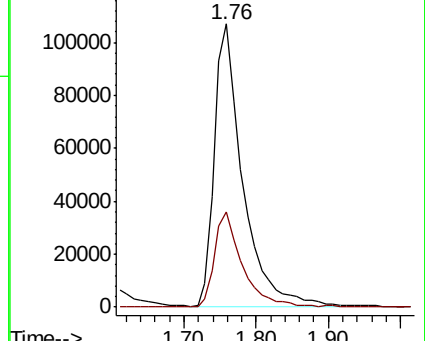
50 100

52 33.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.591 ug/l

RT: 1.85 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD060310.D

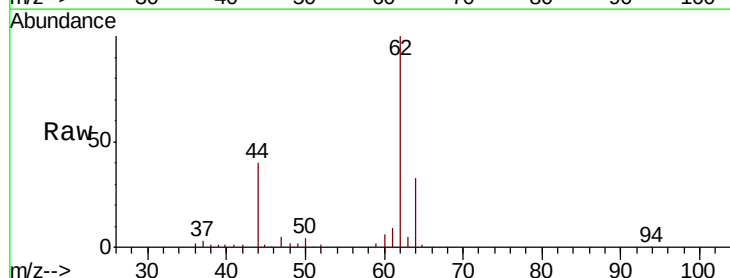
Acq: 9 Nov 2018 14:05

Tgt Ion: 62 Resp: 238122

Ion Ratio Lower Upper

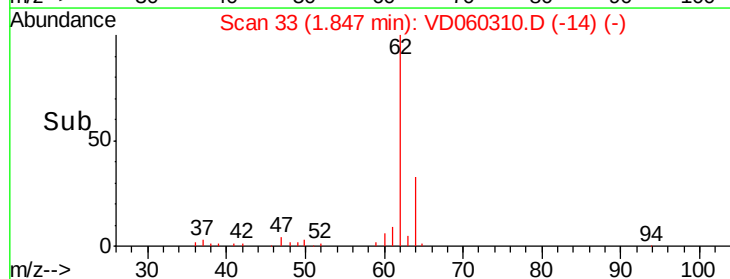
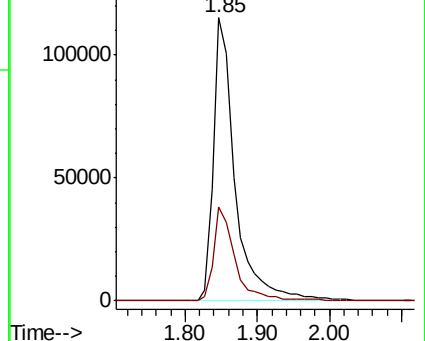
62 100

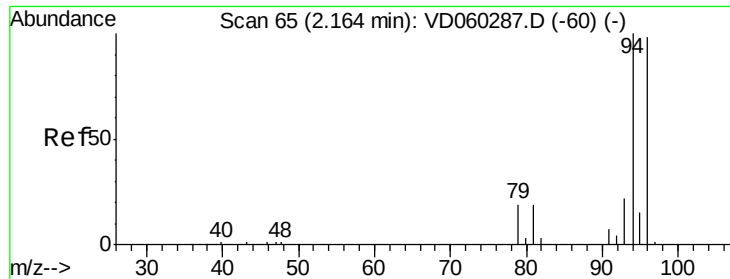
64 33.0 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

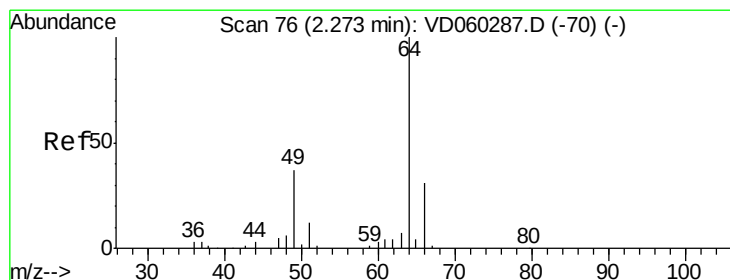
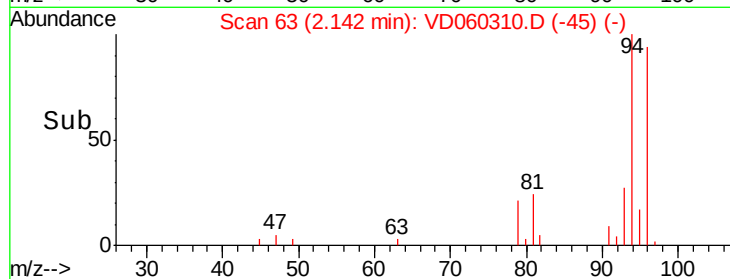
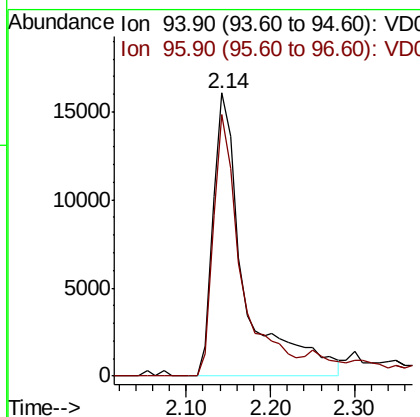
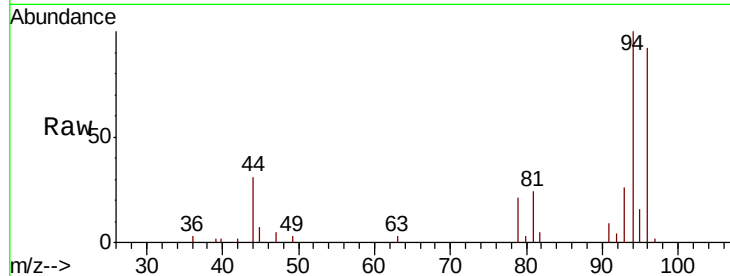




#5
Bromomethane
Concen: 13.848 ug/l
RT: 2.14 min Scan# 63
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

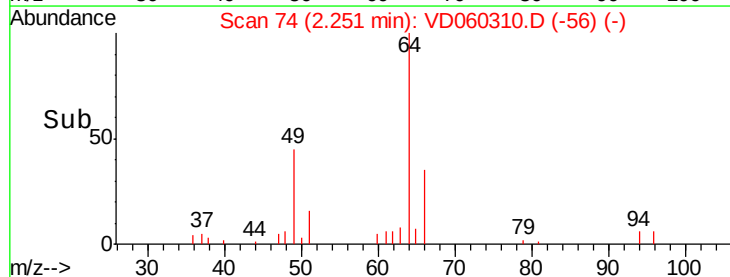
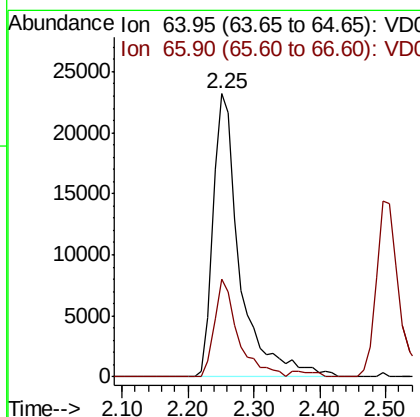
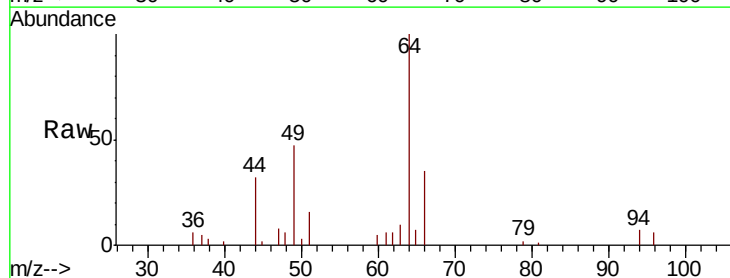
Instrument :
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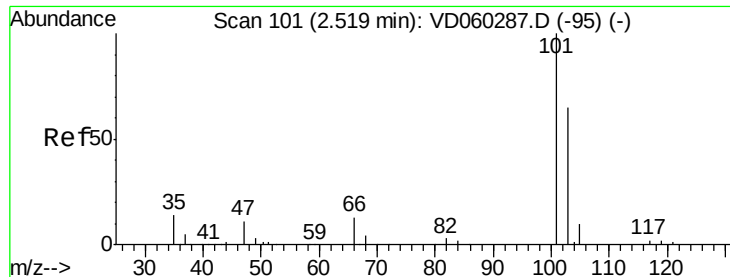
Tot Ion: 94 Resp: 42080
Ion Ratio Lower Upper
94 100
96 92.3 76.6 114.8



#6
Chloroethane
Concen: 15.256 ug/l
RT: 2.25 min Scan# 74
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 64 Resp: 64835
Ion Ratio Lower Upper
64 100
66 34.7 26.6 40.0



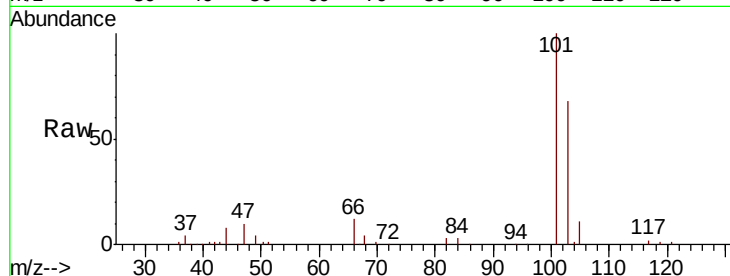


#7

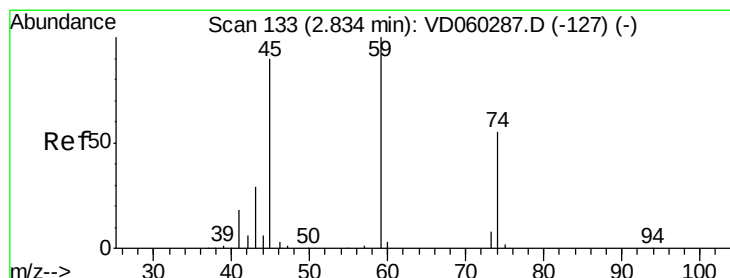
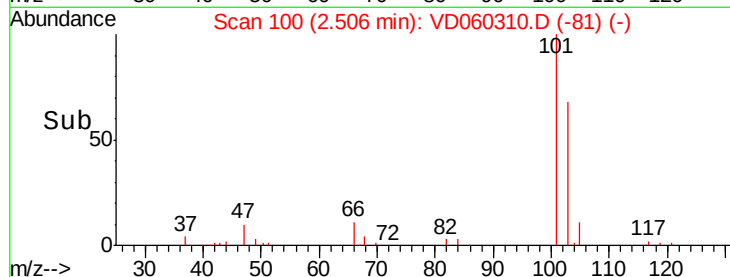
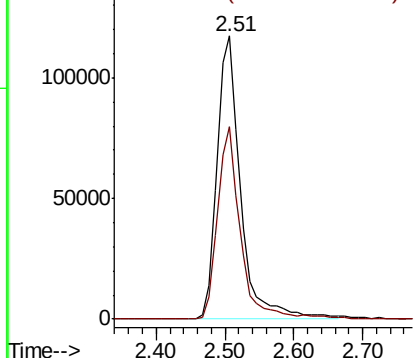
Trichlorofluoromethane
 Concen: 18.428 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion:101 Resp: 278279
 Ion Ratio Lower Upper
 101 100
 103 68.0 53.6 80.4



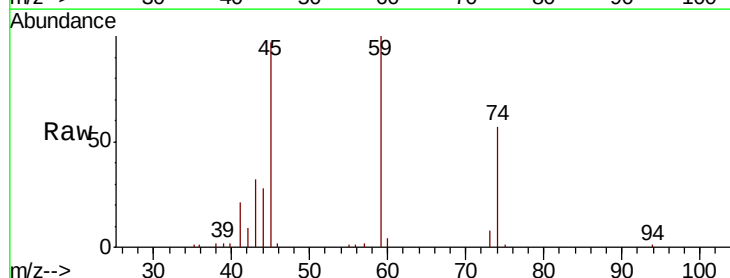
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



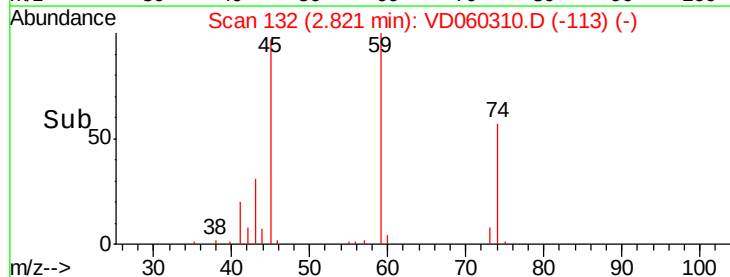
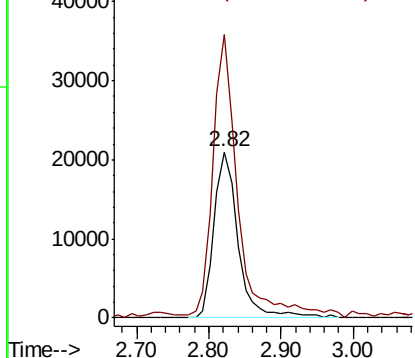
#8

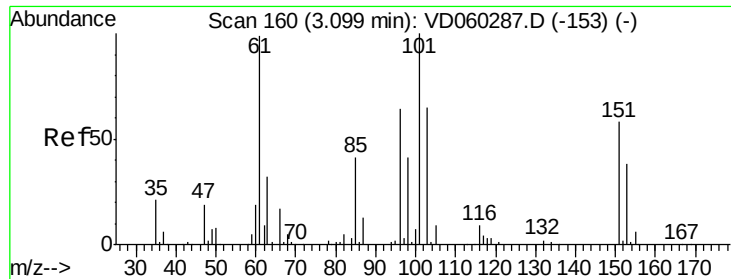
Diethyl Ether
 Concen: 17.696 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion: 74 Resp: 48381
 Ion Ratio Lower Upper
 74 100
 45 170.4 84.8 254.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.728 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060310.D

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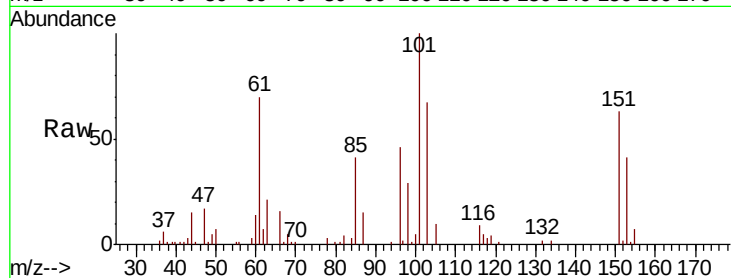
Tot Ion:101 Resp: 186006

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.0

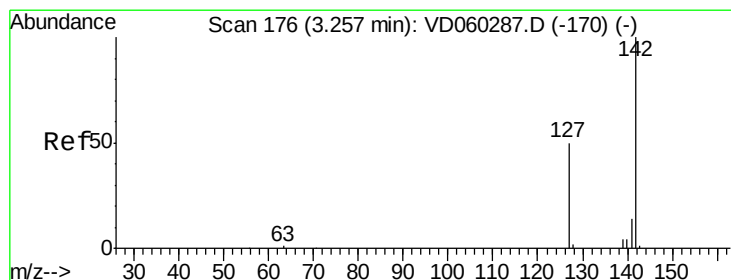
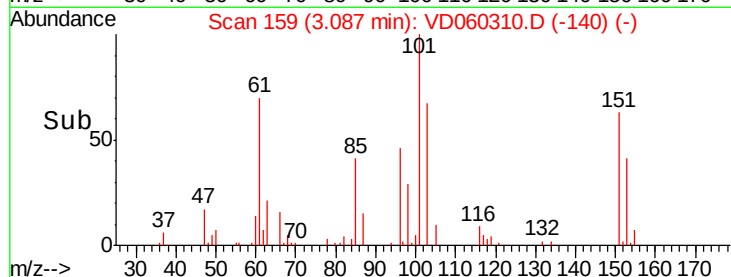
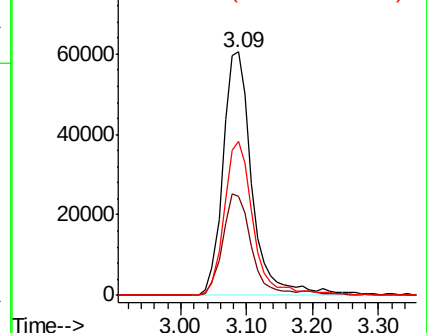
151 63.4 47.4 71.0



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: 17.683 ug/l

RT: 3.23 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

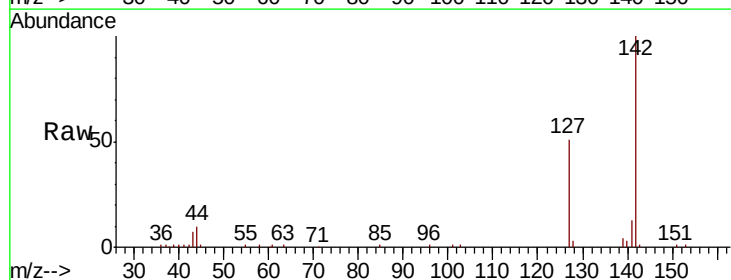
Tgt Ion:142 Resp: 228104

Ion Ratio Lower Upper

142 100

127 51.2 41.0 61.6

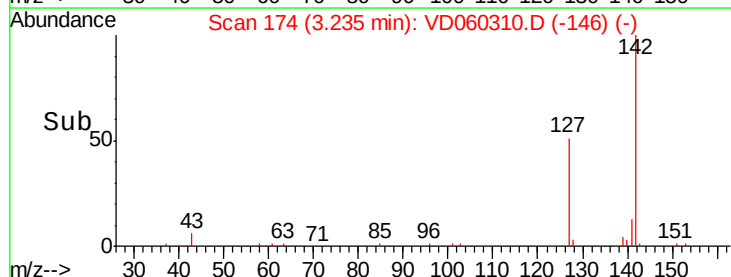
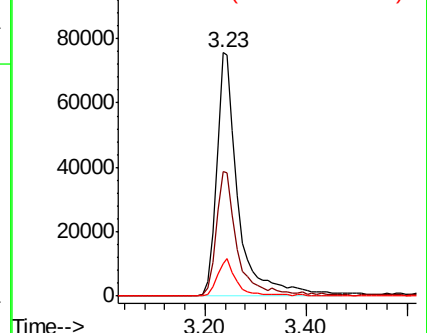
141 13.3 11.9 17.9

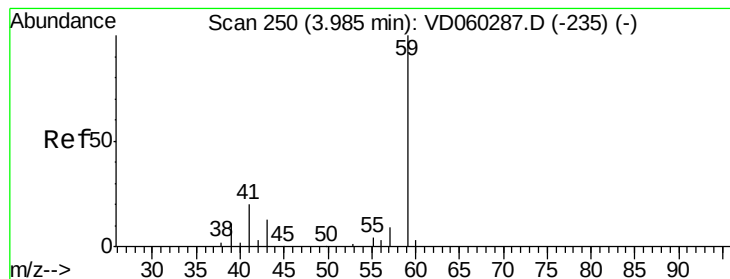


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



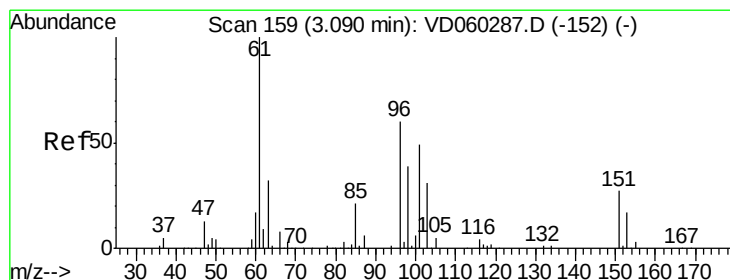
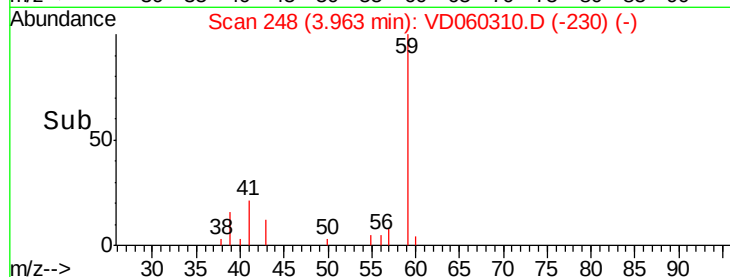
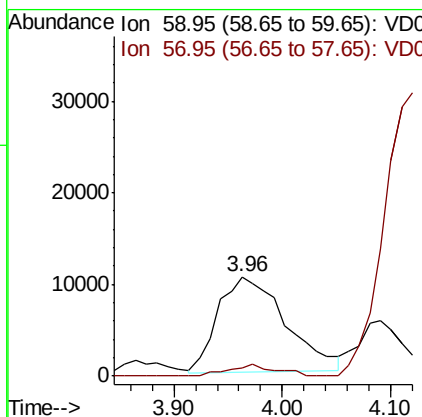
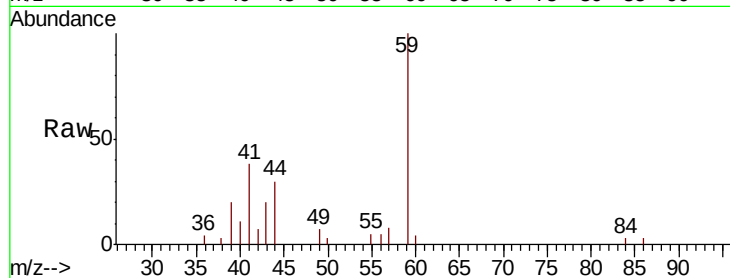


#11

Tert butyl alcohol
 Concen: 93.466 ug/l
 RT: 3.96 min Scan# 248
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

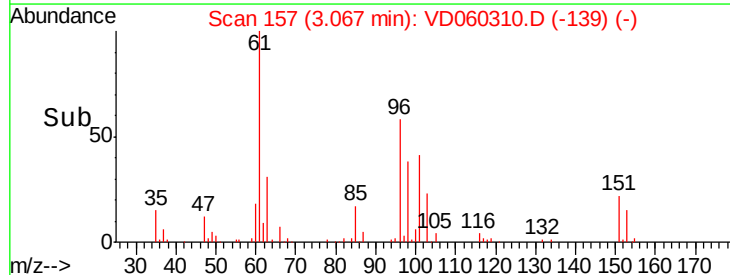
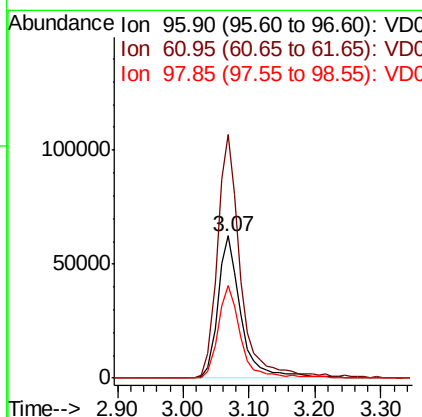
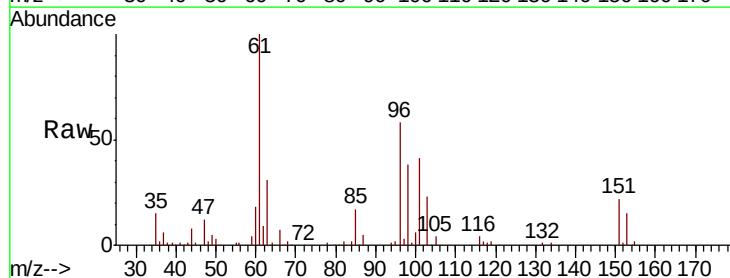
Tot Ion: 59 Resp: 45501
 Ion Ratio Lower Upper
 59 100
 57 8.4 9.3 13.9#

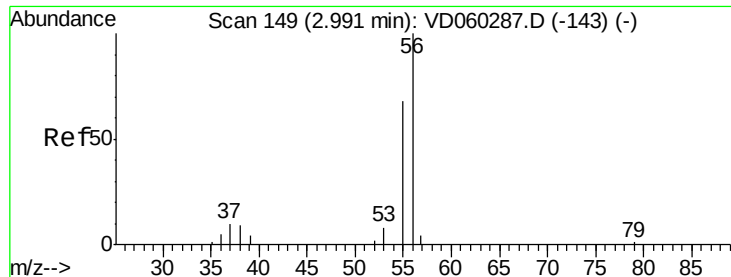


#12

1,1-Dichloroethene
 Concen: 18.877 ug/l
 RT: 3.07 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion: 96 Resp: 152509
 Ion Ratio Lower Upper
 96 100
 61 171.2 142.2 213.4
 98 65.2 52.6 79.0





#13

Acrolein

Concen: 82.388 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

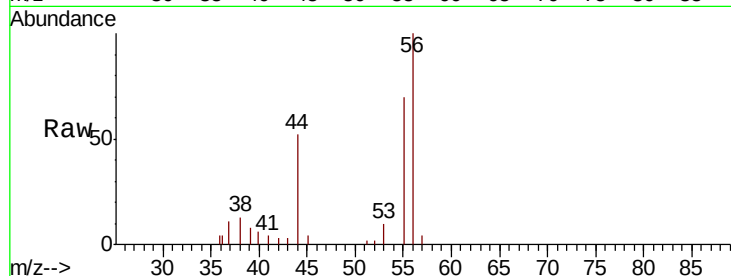
VD1109SBS01

Tot Ion: 56 Resp: 47392

Ion Ratio Lower Upper

56 100

55 69.9 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.98

15000

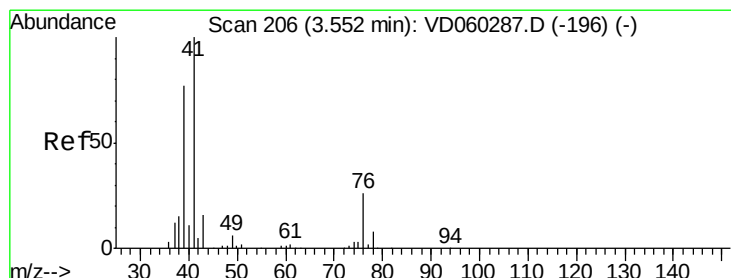
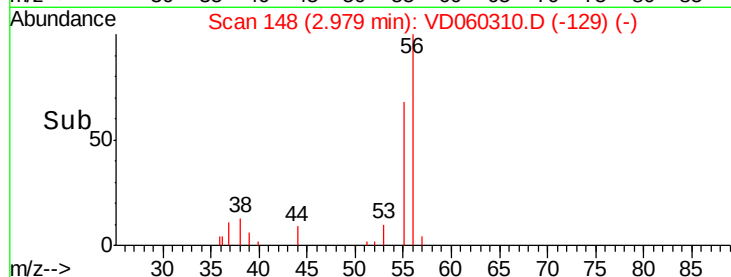
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 18.138 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

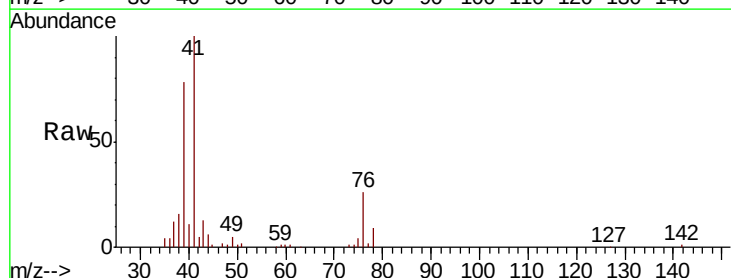
Tgt Ion: 41 Resp: 280380

Ion Ratio Lower Upper

41 100

39 78.3 60.4 90.6

76 25.6 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.53

15000

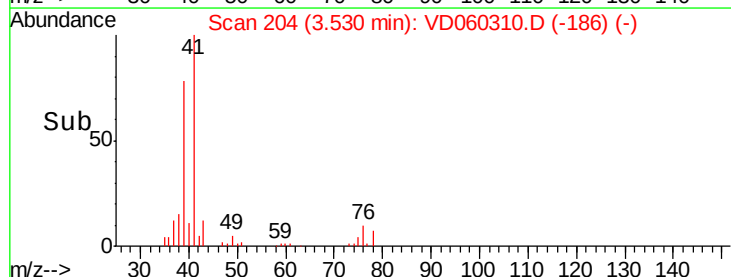
10000

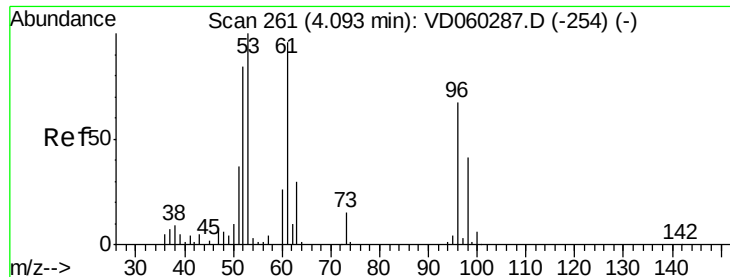
5000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 95.547 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

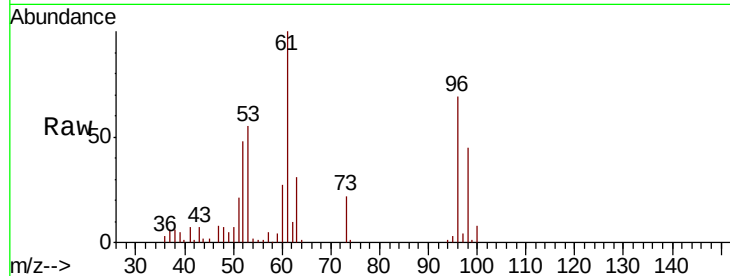
Tot Ion: 53 Resp: 271246

Ion Ratio Lower Upper

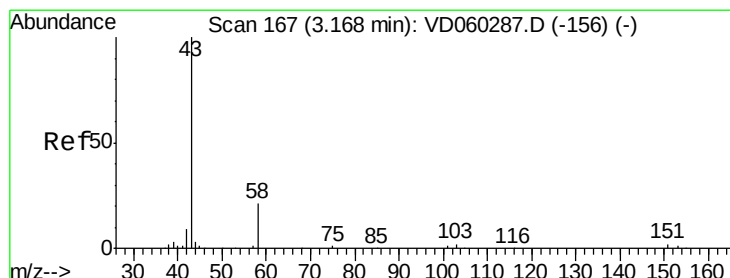
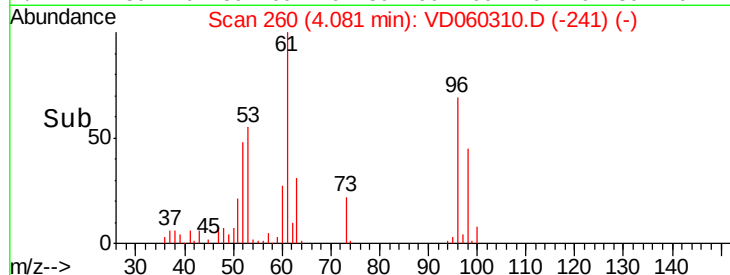
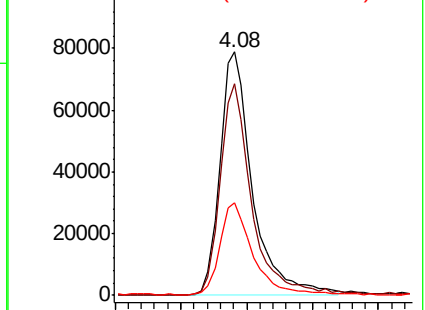
53 100

52 86.8 67.0 100.4

51 37.9 29.9 44.9



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: 98.615 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060310.D

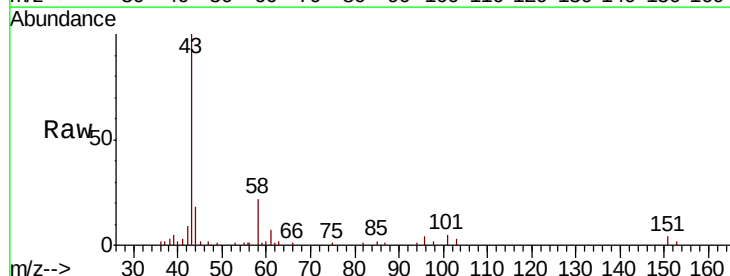
Acq: 9 Nov 2018 14:05

Tgt Ion: 43 Resp: 202793

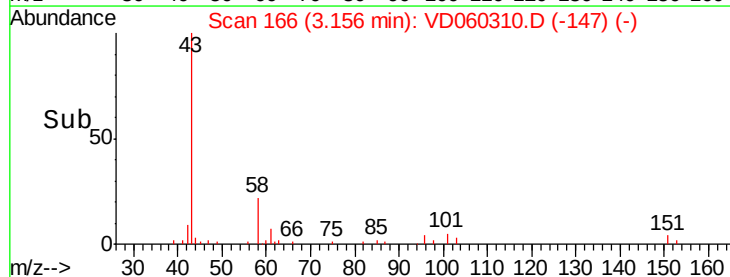
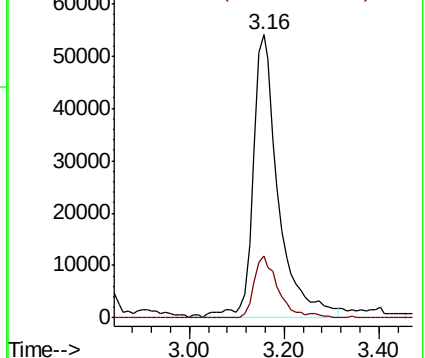
Ion Ratio Lower Upper

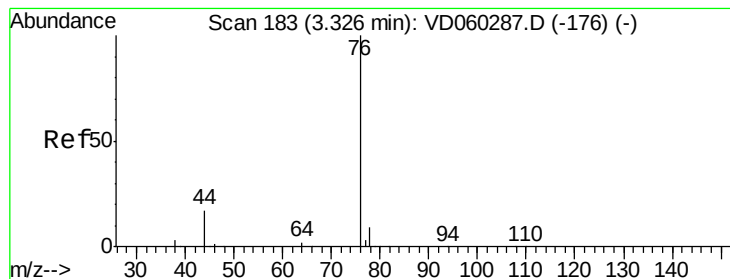
43 100

58 21.7 16.9 25.3



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





#17

Carbon Disulfide

Concen: 17.576 ug/l

RT: 3.30 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

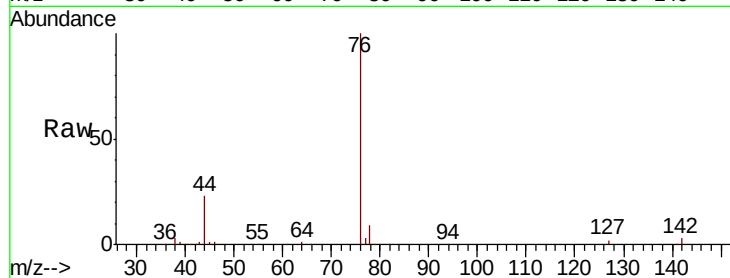
VD1109SBS01

Tot Ion: 76 Resp: 458318

Ion Ratio Lower Upper

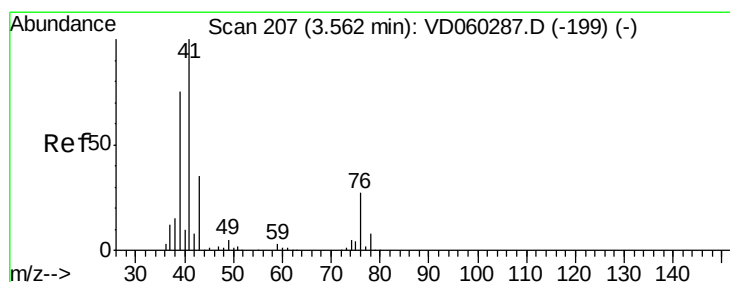
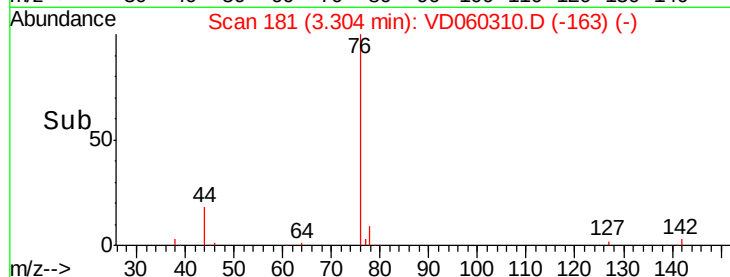
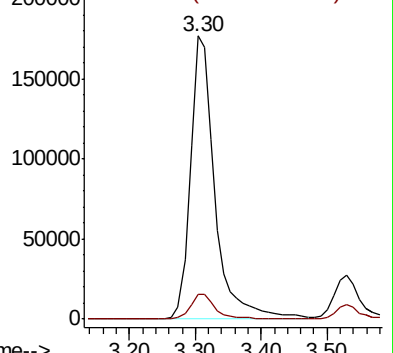
76 100

78 8.9 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.001 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060310.D

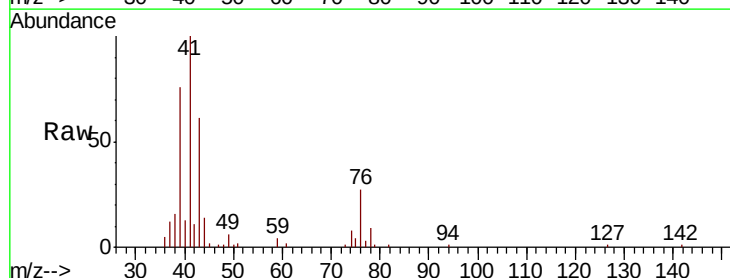
Acq: 9 Nov 2018 14:05

Tgt Ion: 43 Resp: 78930

Ion Ratio Lower Upper

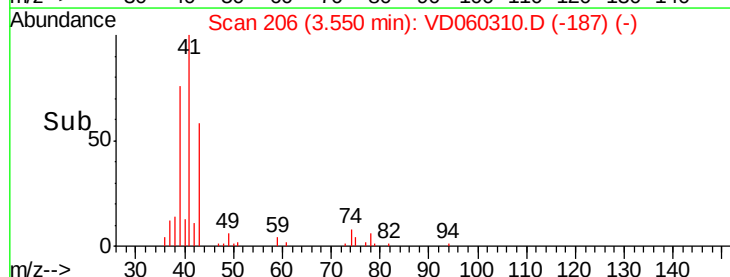
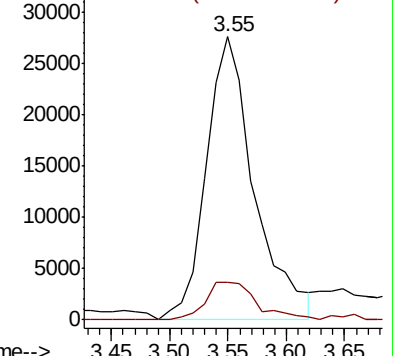
43 100

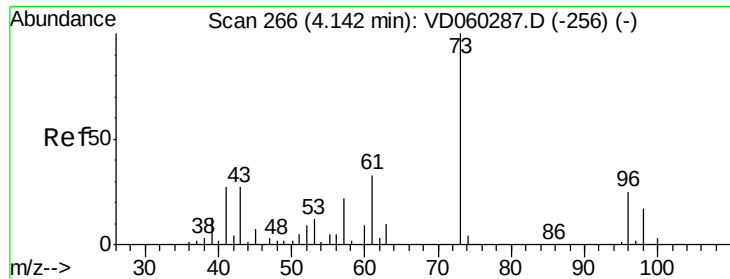
74 13.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

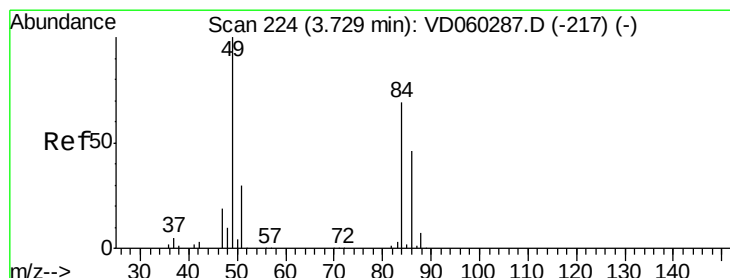
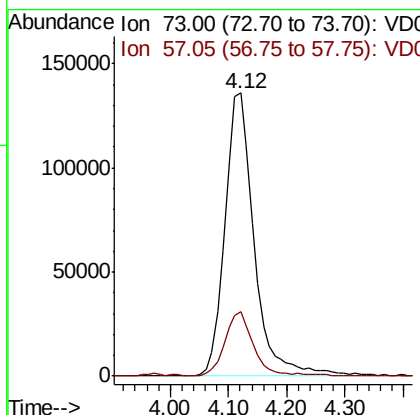
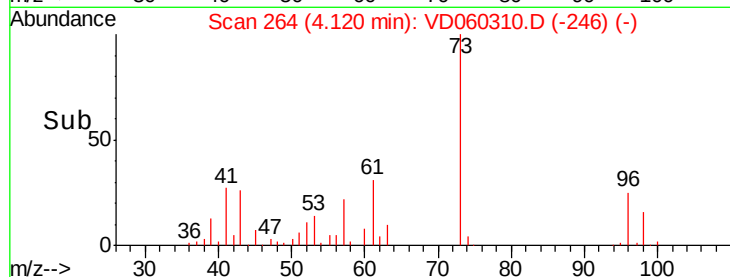
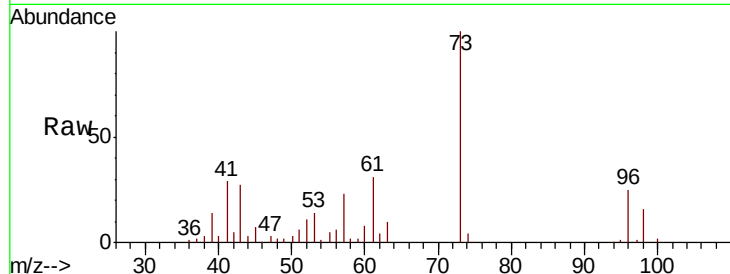




#19
Methvl tert-butyl Ether
Concen: 19.504 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

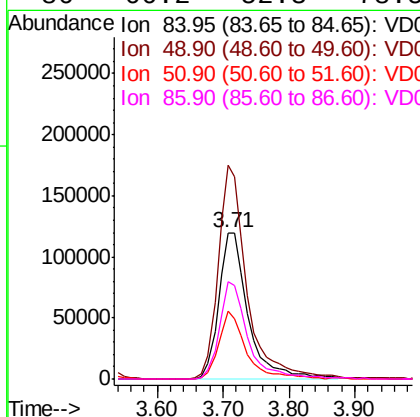
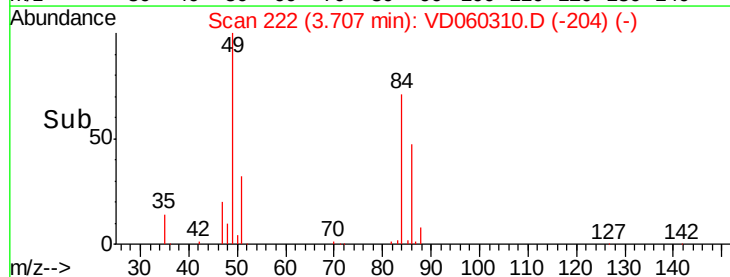
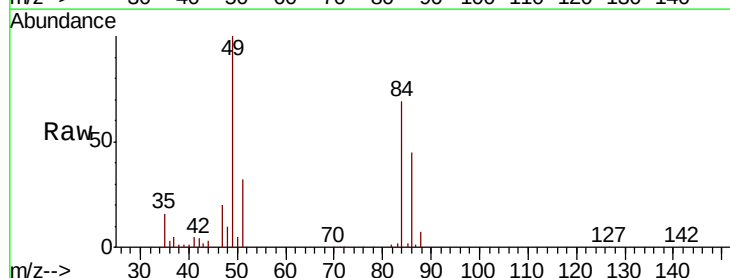
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

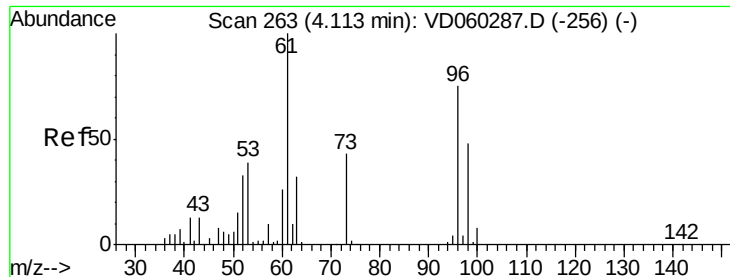
Tot Ion: 73 Resp: 471814
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1



#20
Methylene Chloride
Concen: 20.427 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 84 Resp: 372639
Ion Ratio Lower Upper
84 100
49 145.8 115.6 173.4
51 46.4 35.6 53.4
86 66.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.199 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

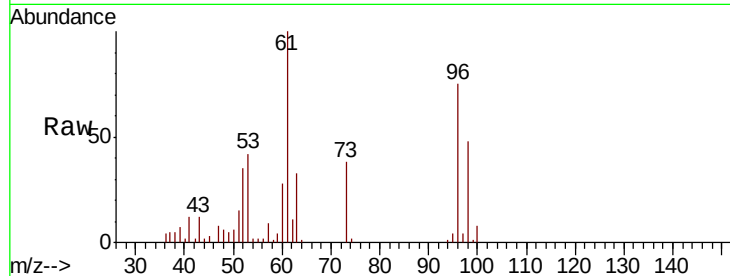
Tot Ion: 96 Resp: 344391

Ion Ratio Lower Upper

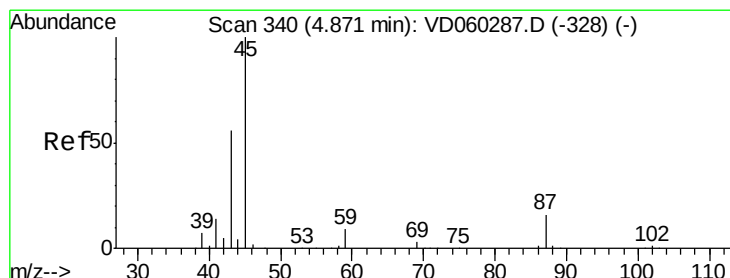
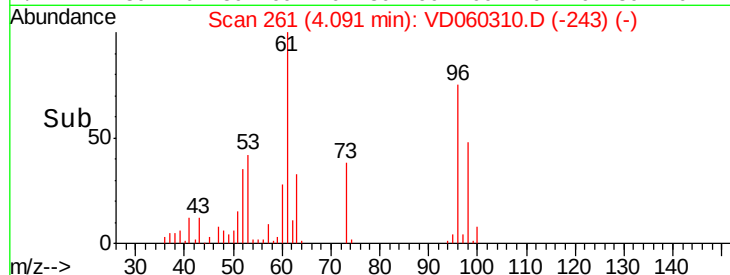
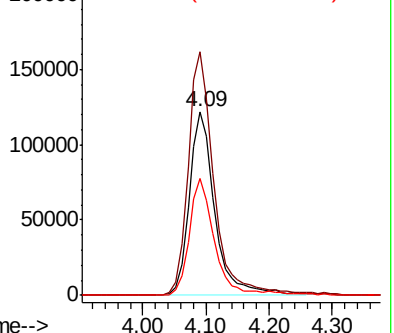
96 100

61 132.7 105.8 158.6

98 63.8 50.8 76.2



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



#22

Diisopropyl ether

Concen: 19.426 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Tgt Ion: 45 Resp: 1121900

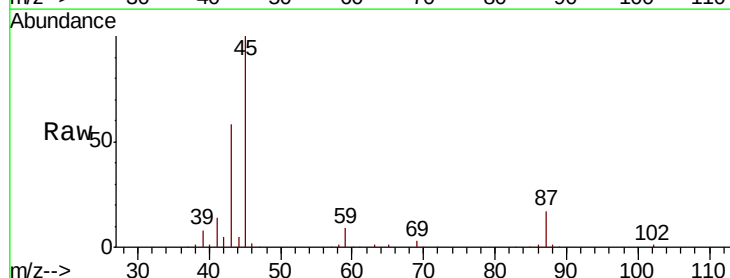
Ion Ratio Lower Upper

45 100

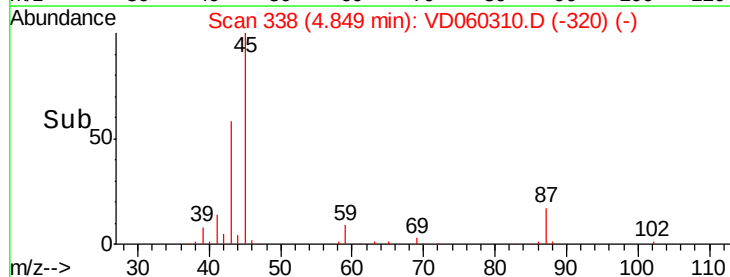
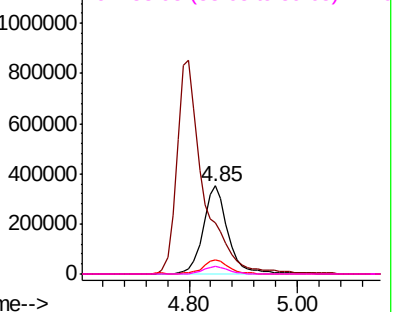
43 57.8 44.9 67.3

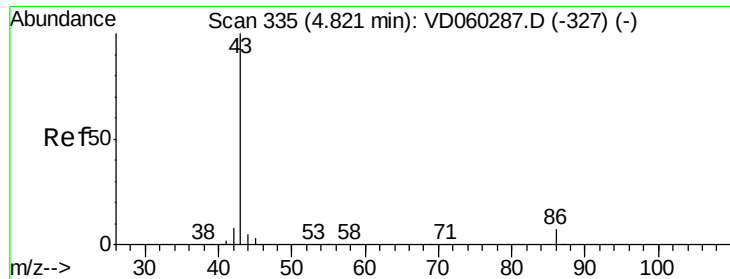
87 16.6 13.9 20.9

59 8.7 7.0 10.6



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





#23

Vinyl Acetate

Concen: 100.427 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

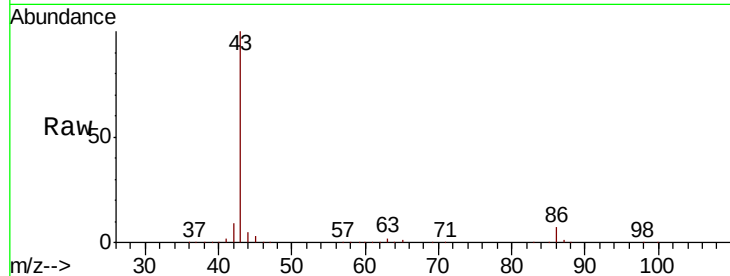
VD1109SBS01

Tot Ion: 43 Resp: 2885898

Ion Ratio Lower Upper

43 100

86 6.5 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.80

800000

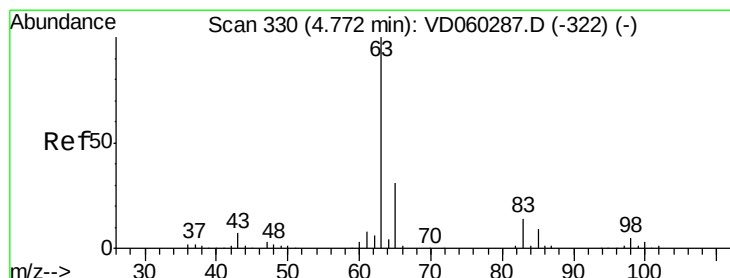
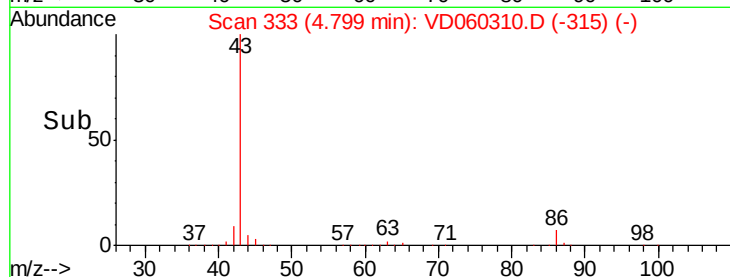
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.485 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

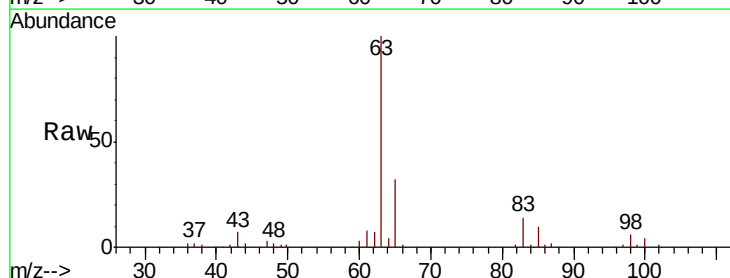
Tgt Ion: 63 Resp: 577061

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.7 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.75

250000

200000

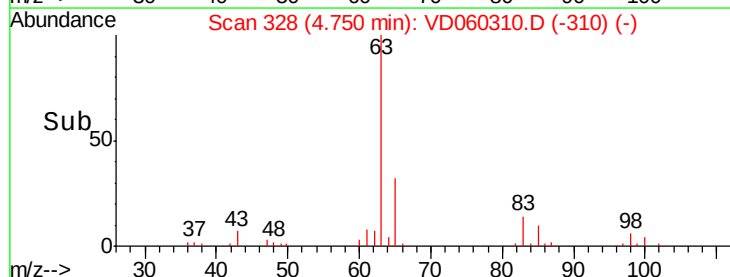
150000

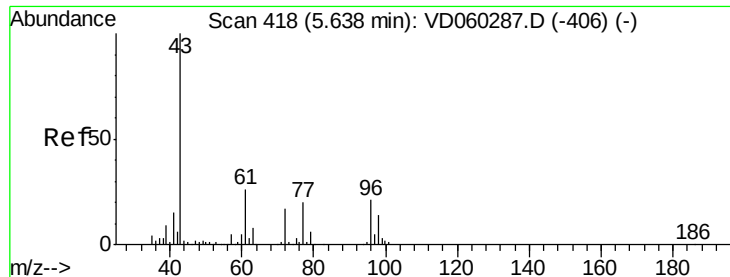
100000

50000

0

Time-->





#25

2-Butanone

Concen: 97.596 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

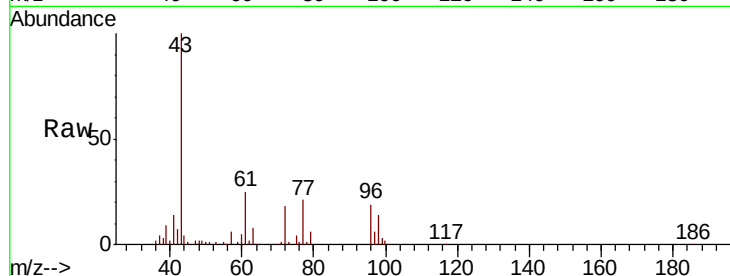
VD1109SBS01

Tot Ion: 43 Resp: 417161

Ion Ratio Lower Upper

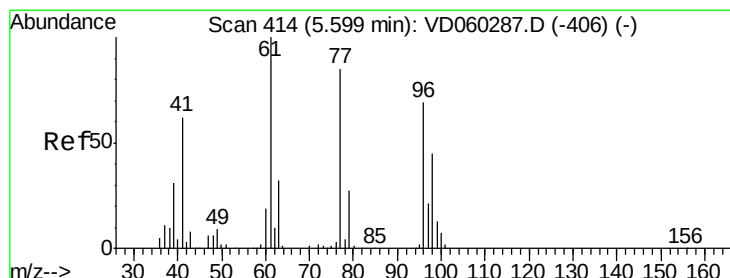
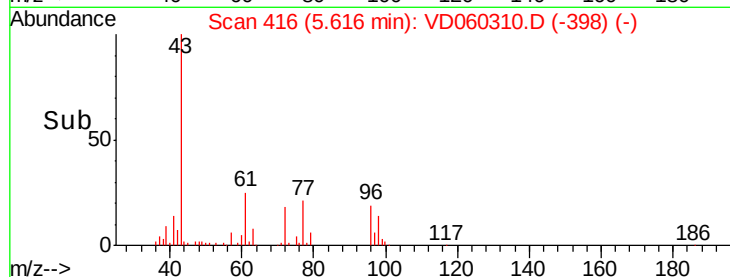
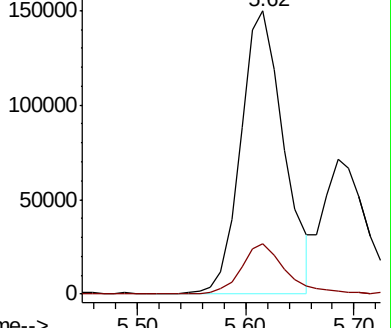
43 100

72 18.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.297 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD060310.D

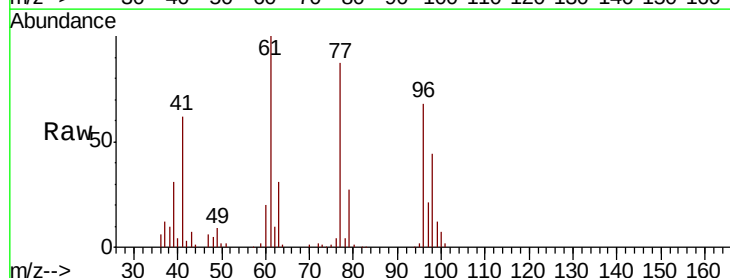
Acq: 9 Nov 2018 14:05

Tgt Ion: 77 Resp: 467320

Ion Ratio Lower Upper

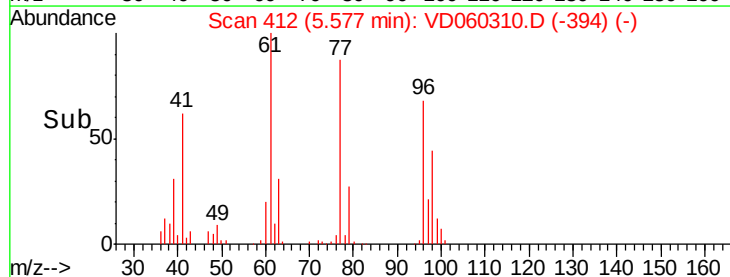
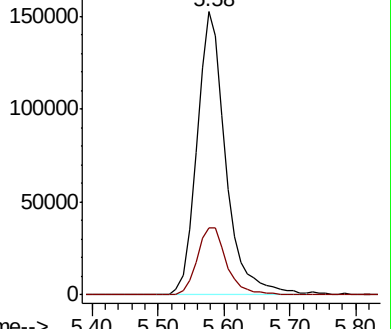
77 100

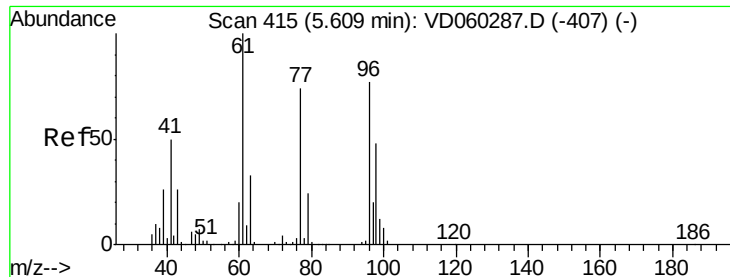
97 23.8 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



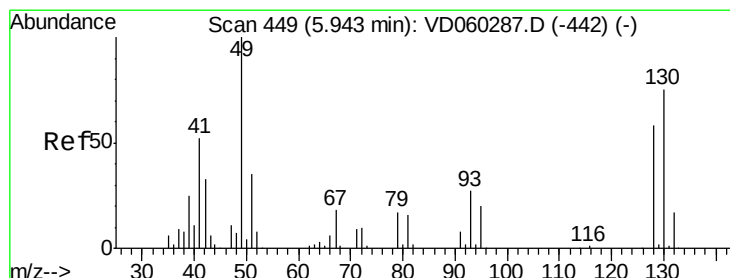
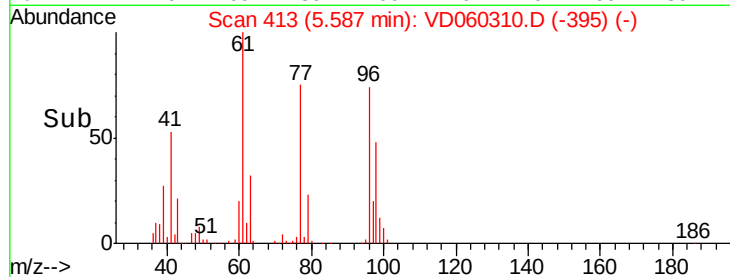
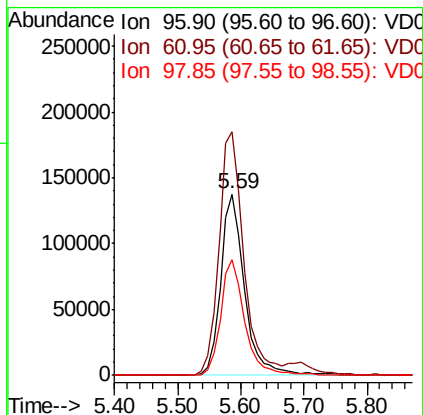
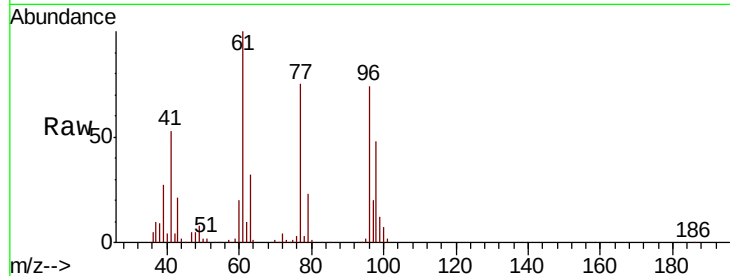


#27

cis-1,2-Dichloroethene
Concen: 19.395 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

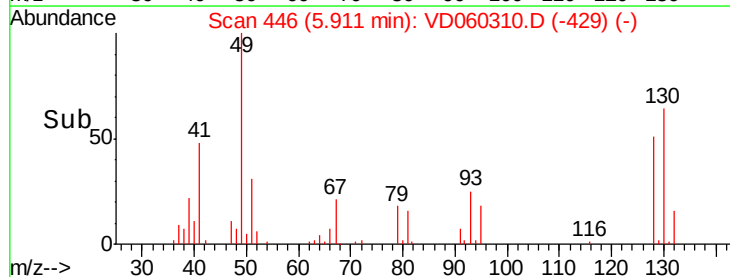
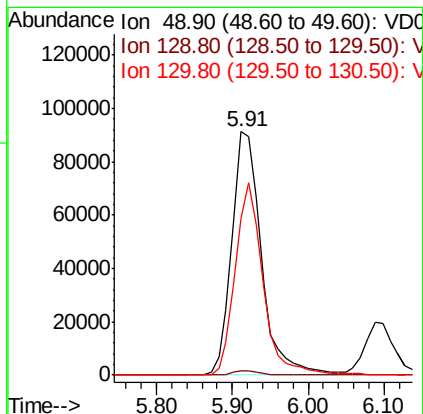
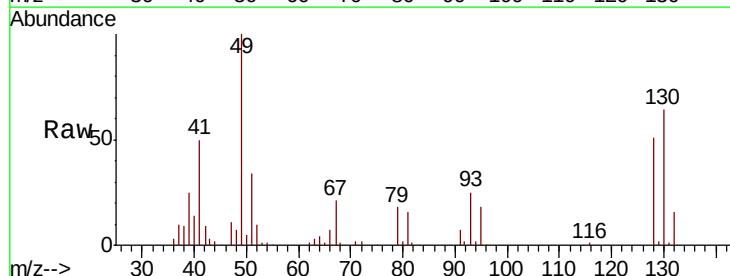
Tot Ion: 96 Resp: 362450
Ion Ratio Lower Upper
96 100
61 134.4 0.0 259.0
98 64.1 0.0 128.8

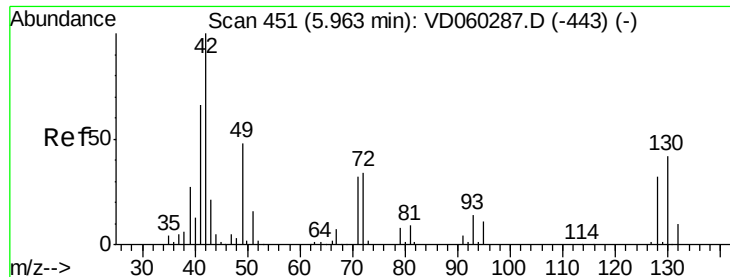


#28

Bromochloromethane
Concen: 18.892 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.03 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 49 Resp: 246857
Ion Ratio Lower Upper
49 100
129 1.7 0.0 2.8
130 64.1 53.6 80.4

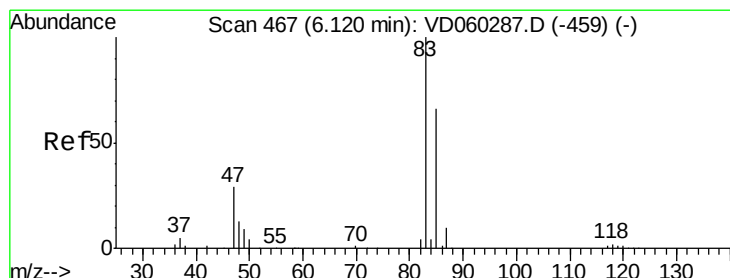
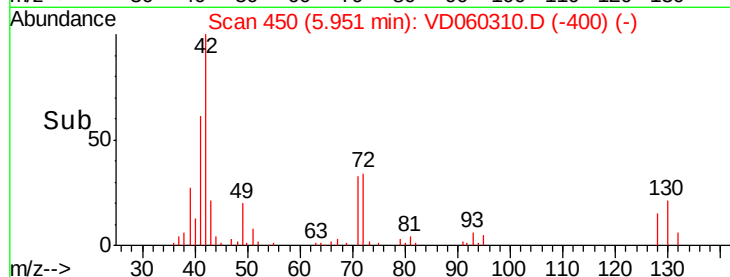
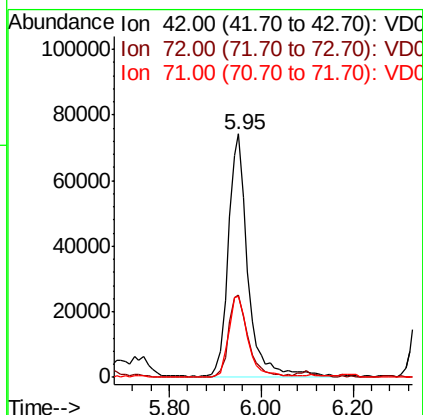
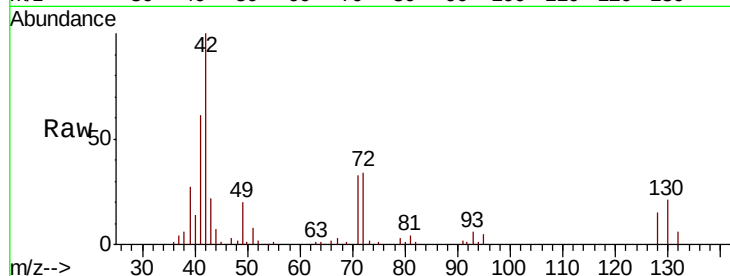




#29
Tetrahydrofuran
Concen: 99.056 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

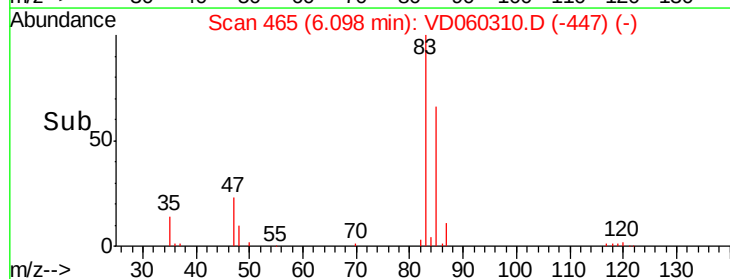
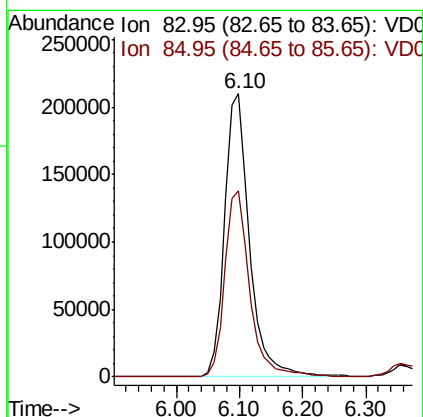
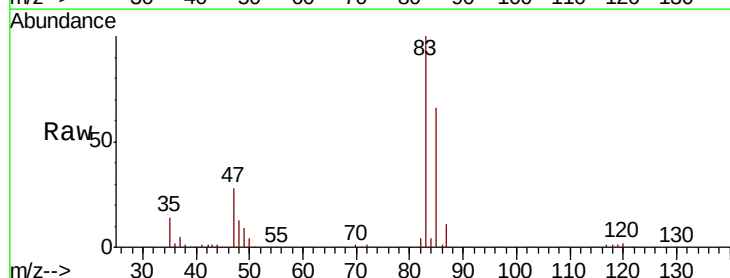
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

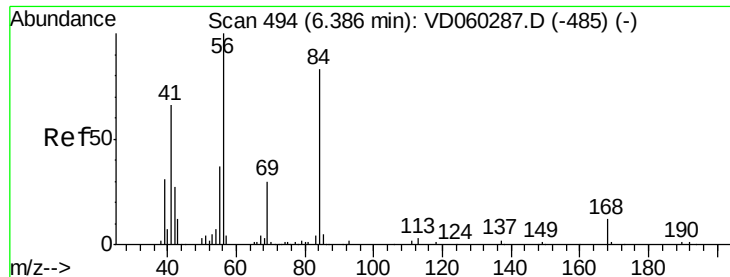
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	27.6	41.4
71	32.9	26.5	39.7



#30
Chloroform
Concen: 19.353 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7

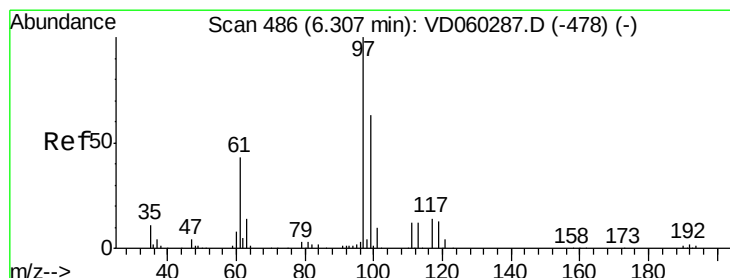
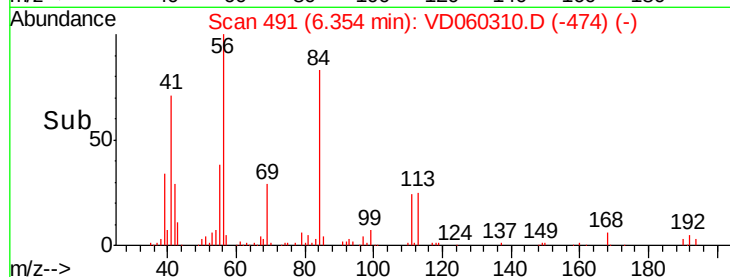
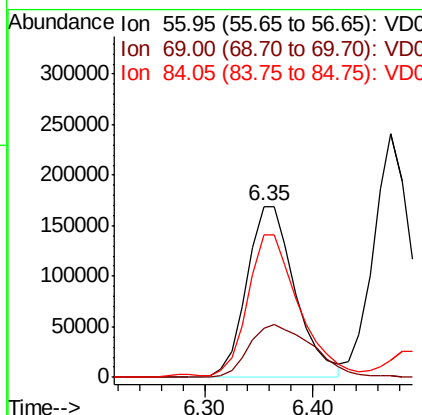
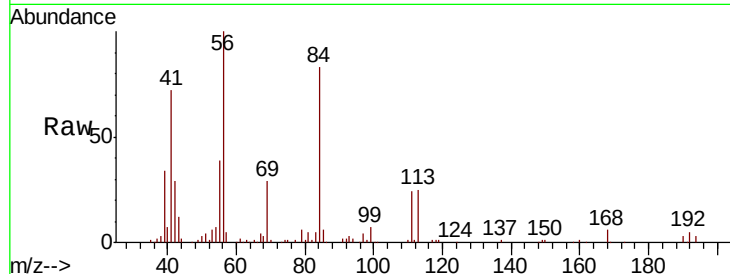




#31
Cyclohexane
Concen: 18.643 ug/l
RT: 6.35 min Scan# 491
Delta R.T. -0.03 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

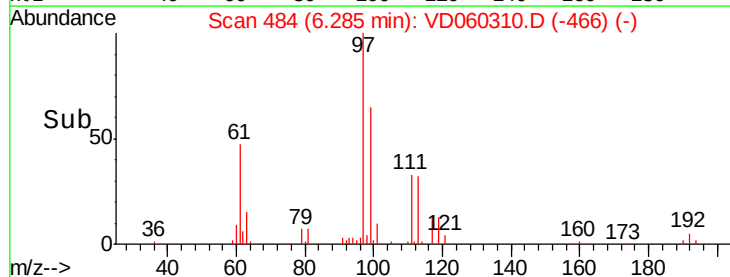
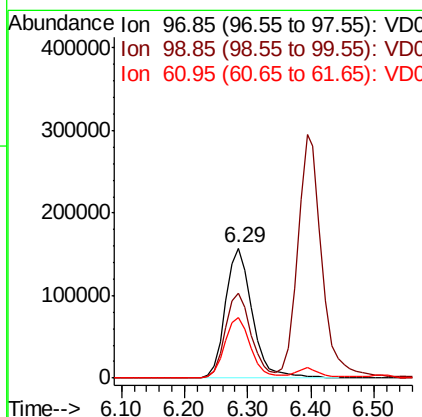
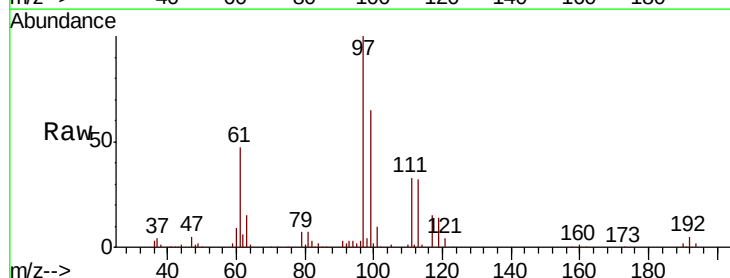
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

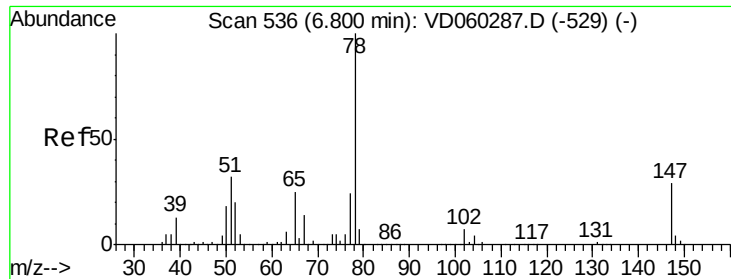
Tot Ion: 56 Resp: 527693
Ion Ratio Lower Upper
56 100
69 29.0 22.2 33.2
84 83.1 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 18.594 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 97 Resp: 463697
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 46.7 35.8 53.8

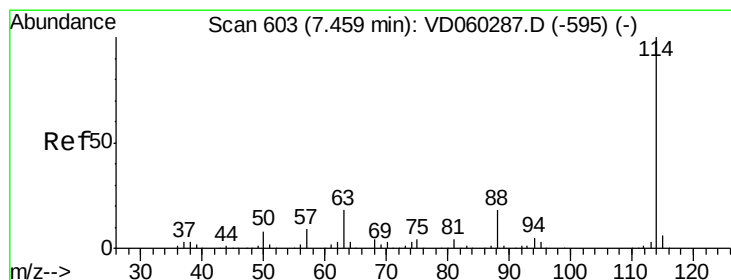
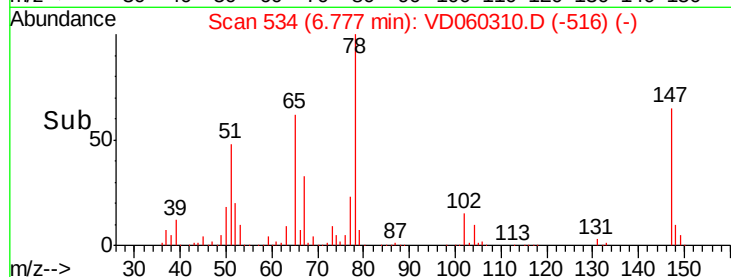
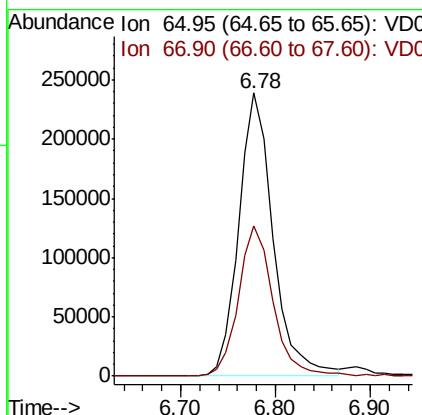
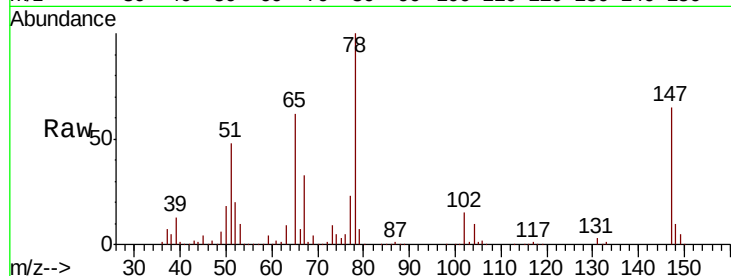




#33
 1,2-Dichloroethane-d4
 Concen: 18.594 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

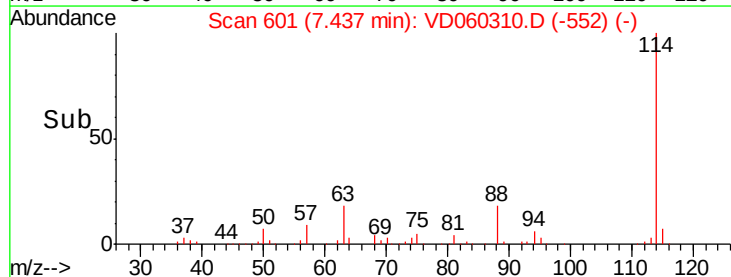
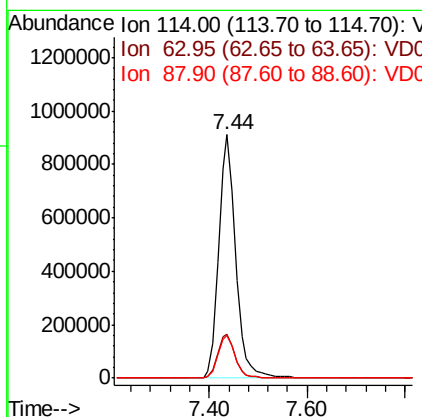
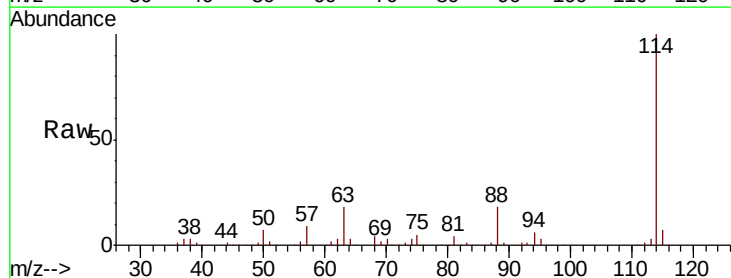
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

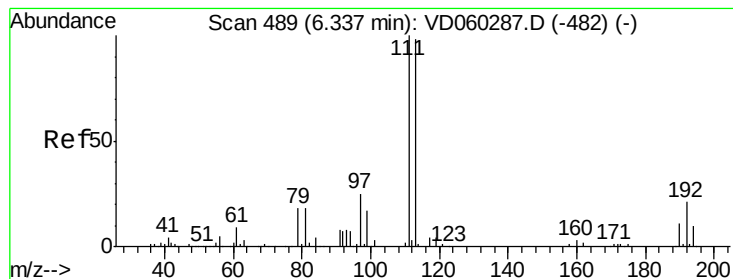
Tot Ion: 65 Resp: 601404
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion: 114 Resp: 2207761
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 17.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

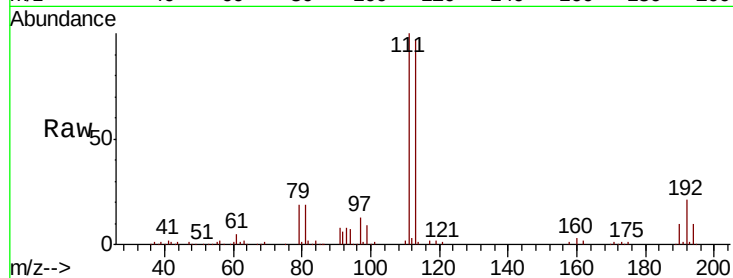
Tot Ion:113 Resp: 847222

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

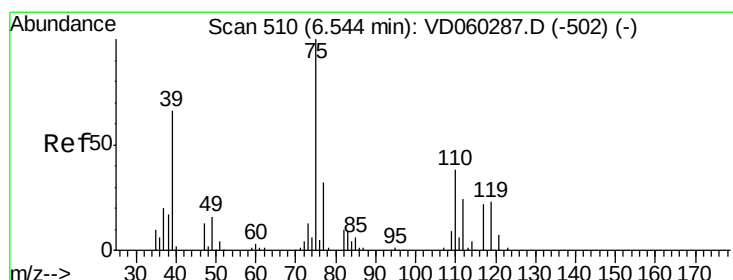
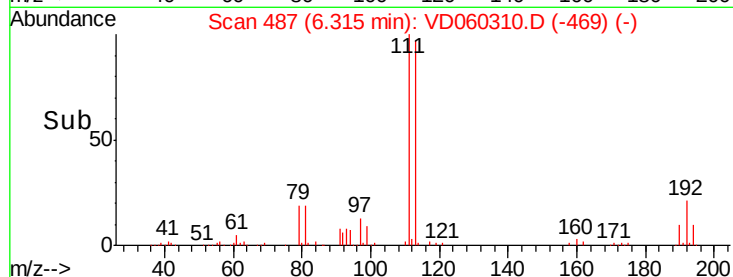
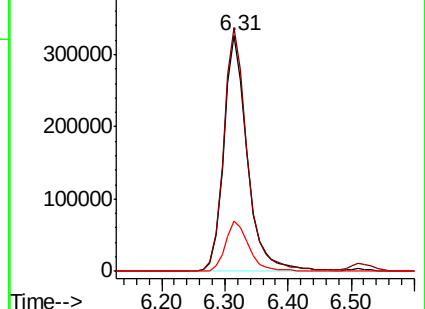
192 21.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.515 ug/l

RT: 6.51 min Scan# 507

Delta R.T. -0.03 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

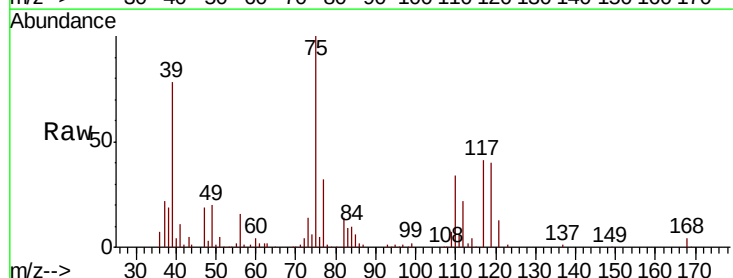
Tgt Ion: 75 Resp: 447456

Ion Ratio Lower Upper

75 100

110 34.1 18.0 54.0

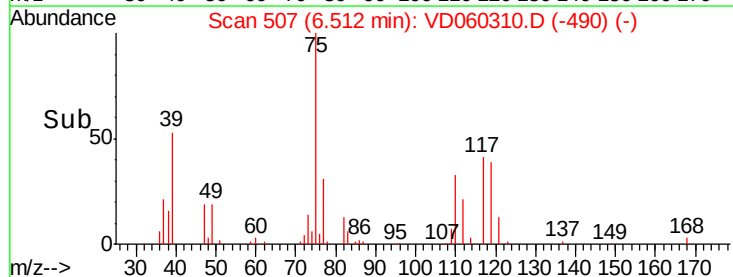
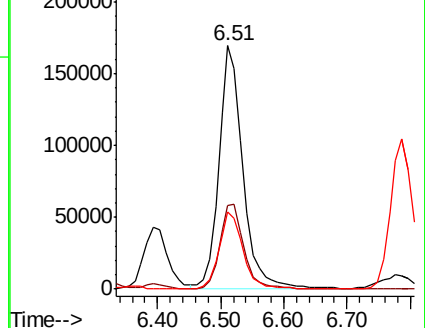
77 31.7 25.6 38.4

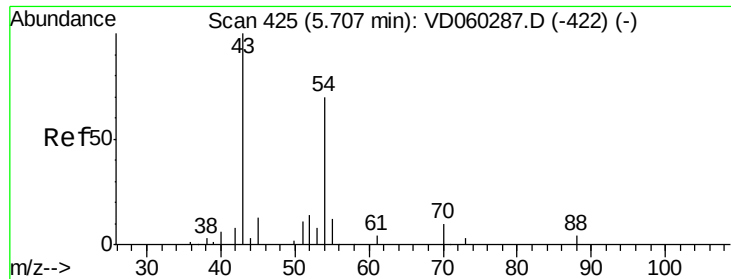


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

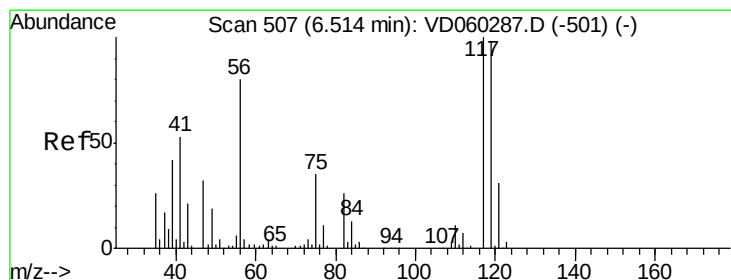
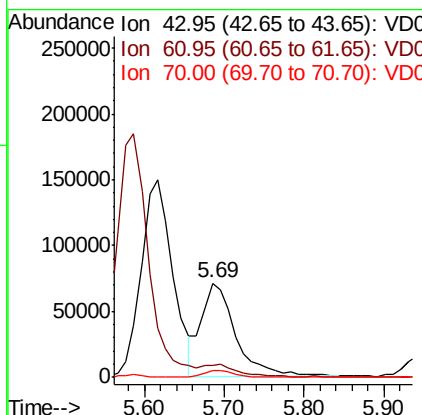
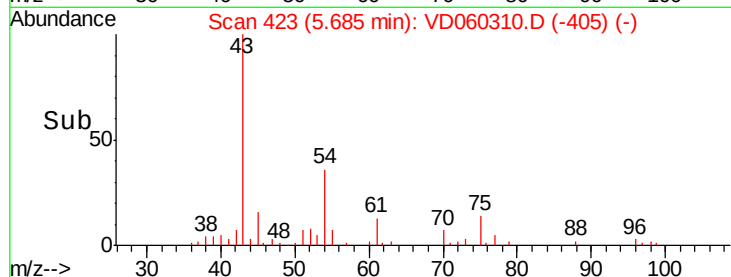
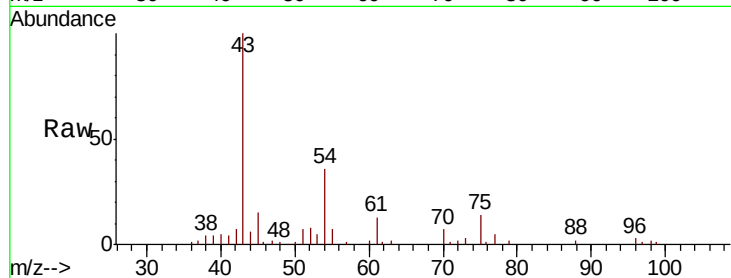




#37
Ethyl Acetate
Concen: 20.970 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

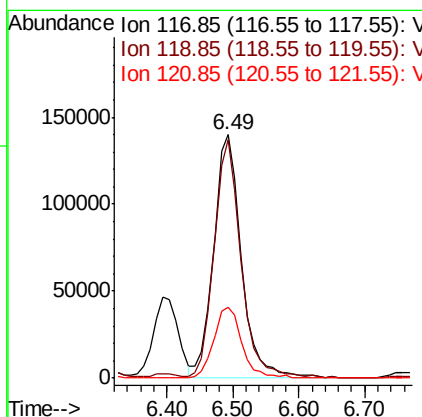
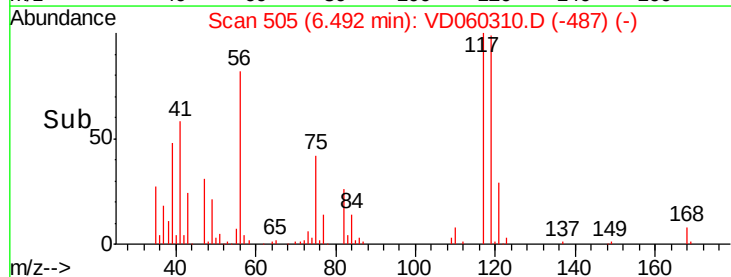
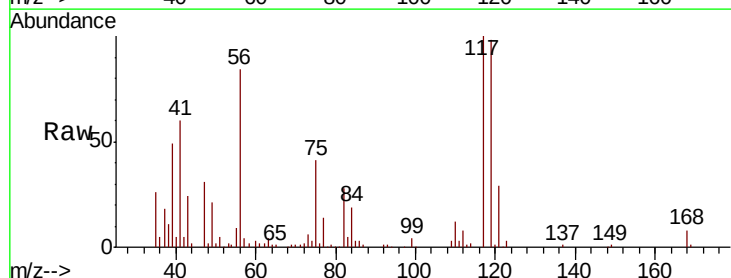
Instrument :
MSVOA_D
ClientSampleID :
VD1109SBS01

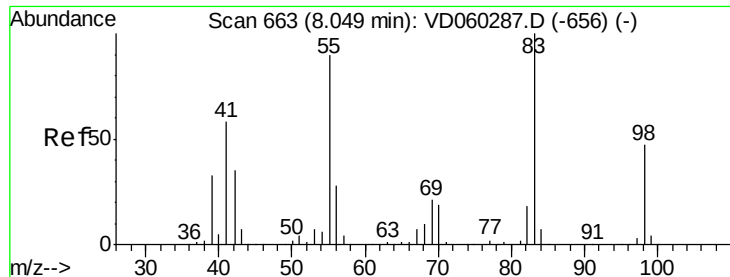
Tot Ion: 43 Resp: 210473
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 7.4 6.2 9.4



#38
Carbon Tetrachloride
Concen: 19.936 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 117 Resp: 403367
Ion Ratio Lower Upper
117 100
119 98.2 76.6 115.0
121 28.9 24.3 36.5

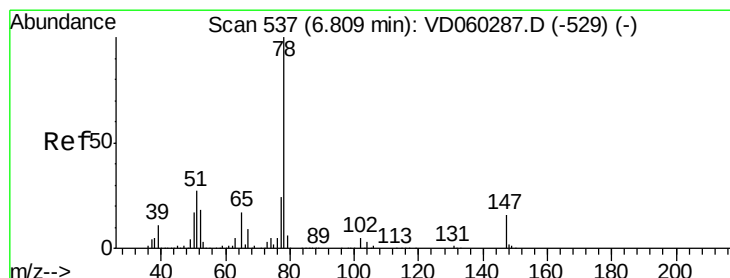
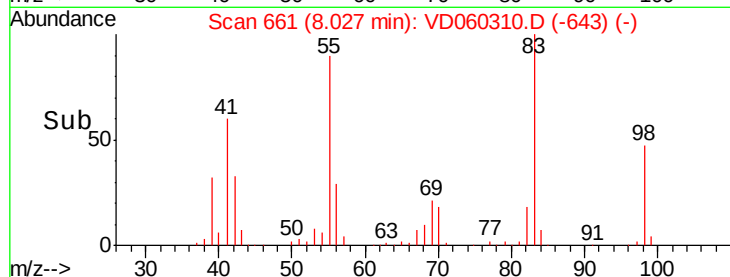
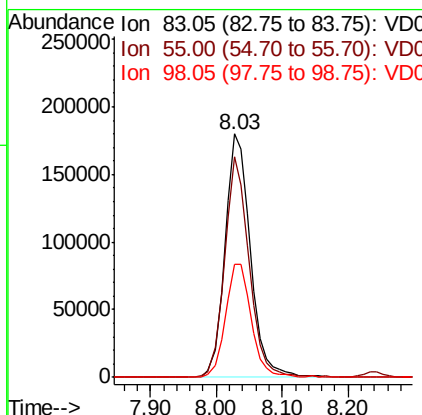
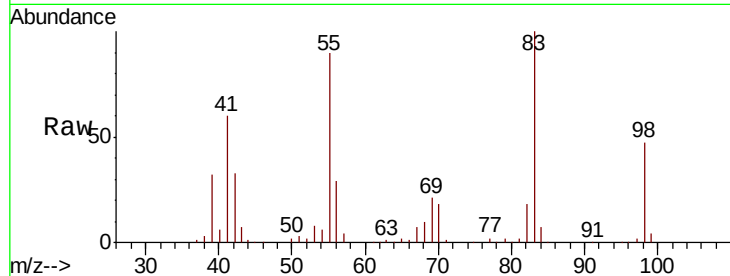




#39
Methylvlcyclohexane
Concen: 19.353 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

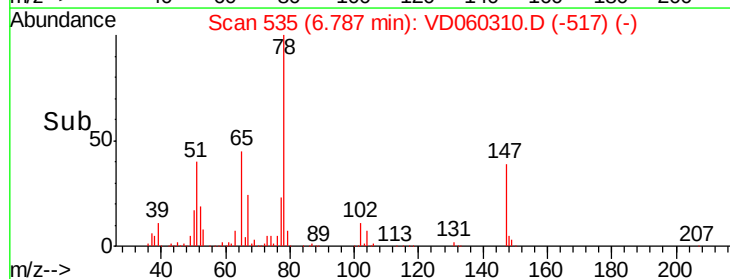
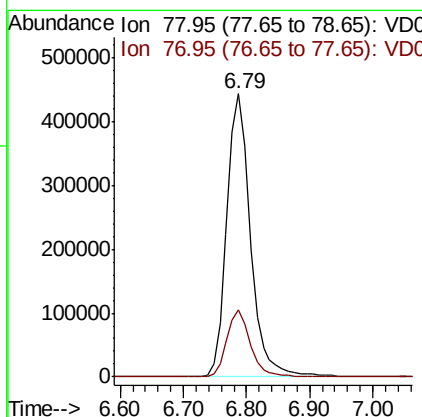
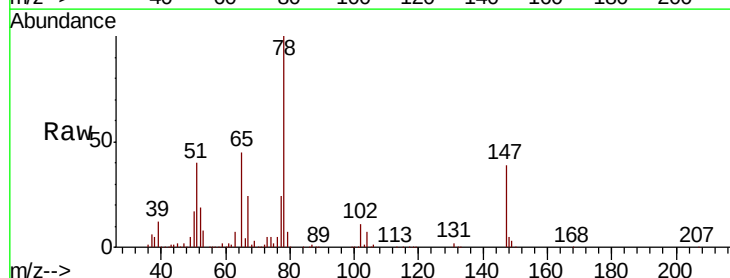
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

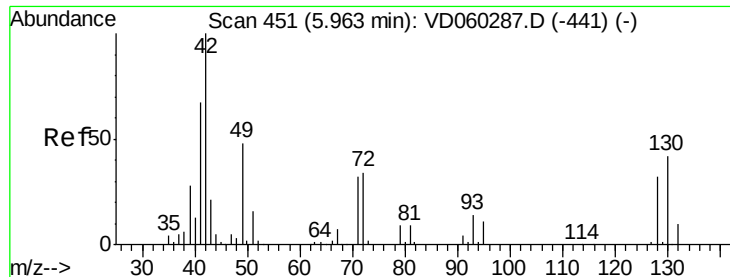
Tot Ion: 83 Resp: 485507
Ion Ratio Lower Upper
83 100
55 90.4 71.2 106.8
98 46.6 38.4 57.6



#40
Benzene
Concen: 20.756 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 78 Resp: 1155647
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

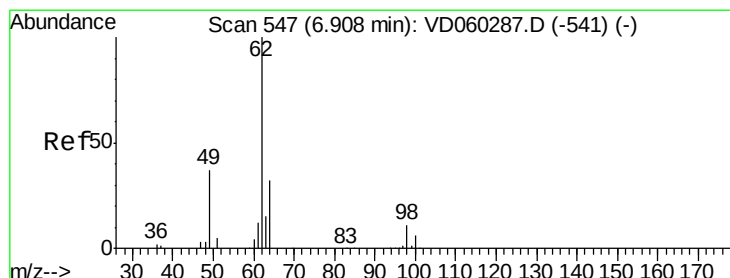
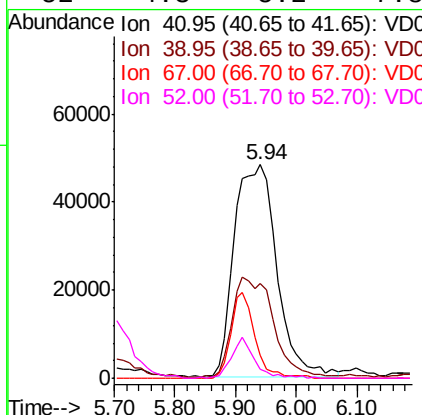
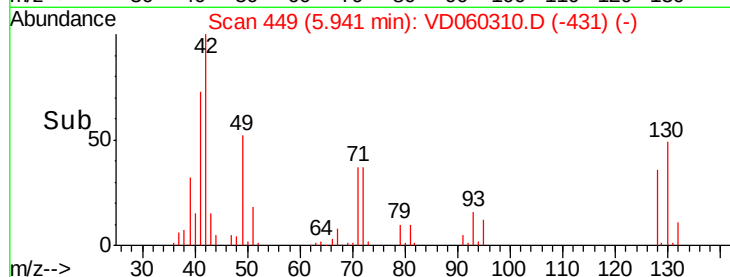
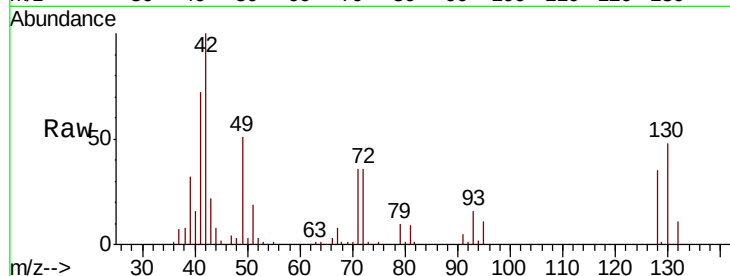




#41
Methacrylonitrile
Concen: 20.450 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

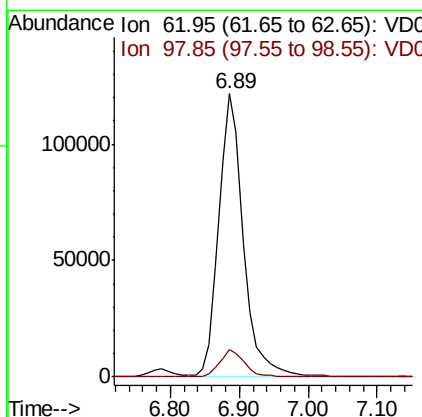
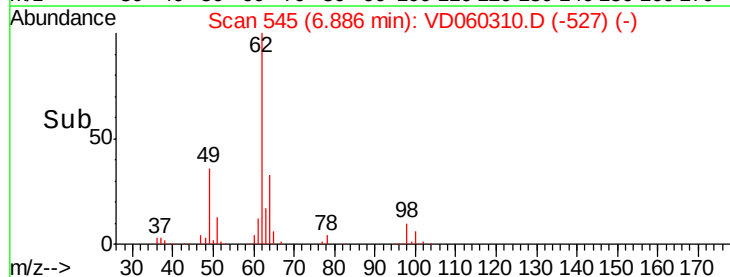
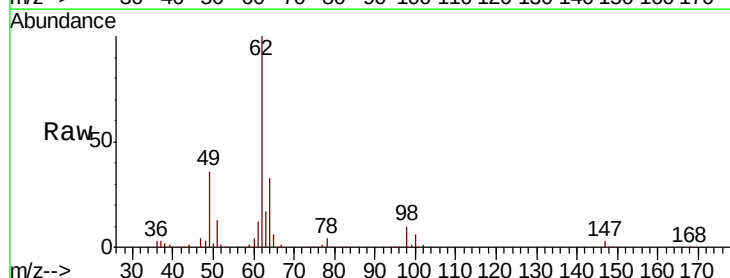
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

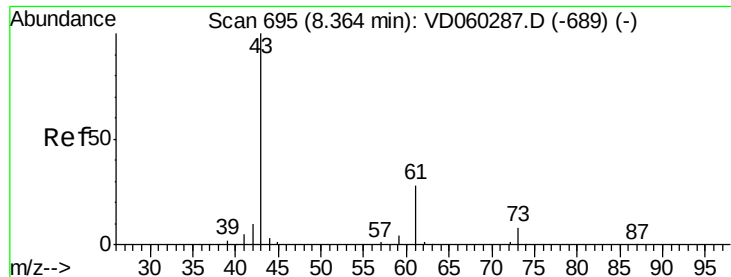
Tot Ion: 41 Resp: 234928
Ion Ratio Lower Upper
41 100
39 44.6 36.2 54.2
67 10.8 11.9 17.9#
52 4.3 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 20.499 ug/l
RT: 6.89 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 62 Resp: 298727
Ion Ratio Lower Upper
62 100
98 9.7 0.0 22.0





#43

Isopropyl Acetate

Concen: 19.880 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

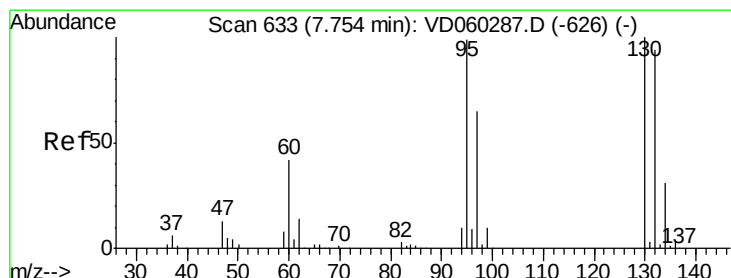
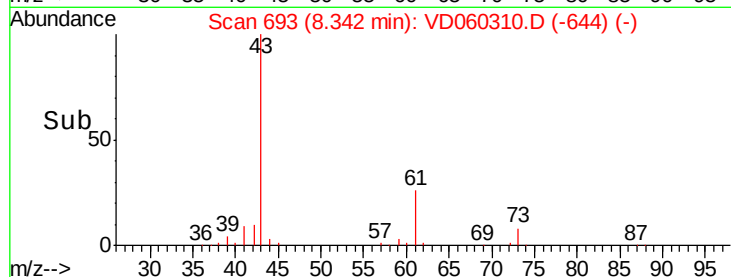
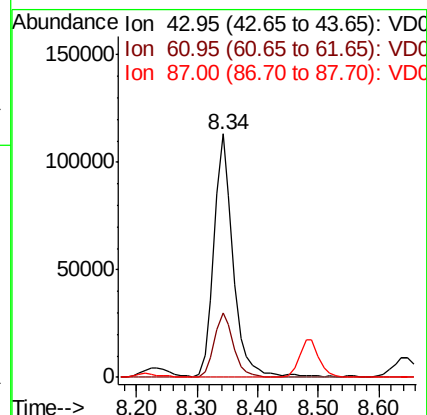
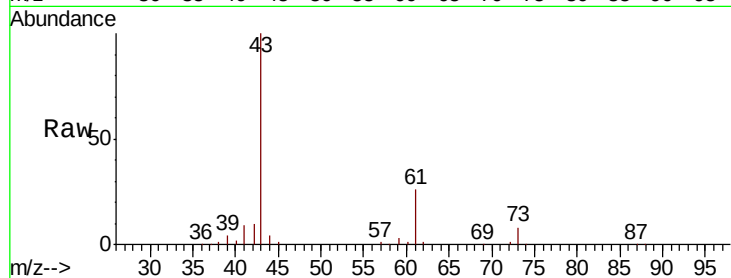
Tot Ion: 43 Resp: 250639

Ion Ratio Lower Upper

43 100

61 26.4 22.3 33.5

87 0.3 0.2 0.2#



#44

Trichloroethene

Concen: 20.592 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD060310.D

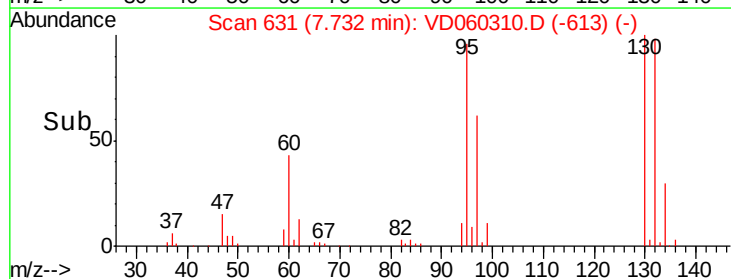
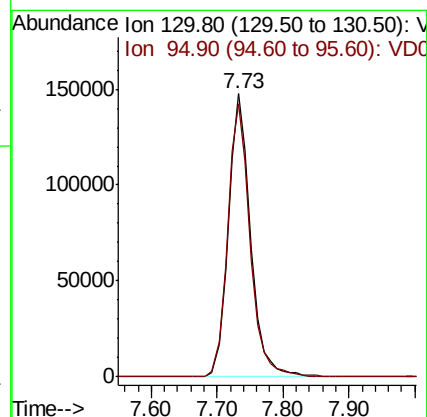
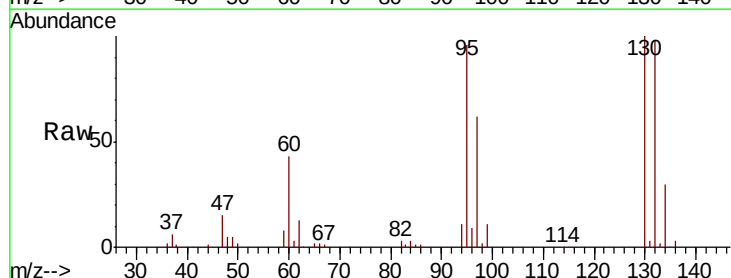
Acq: 9 Nov 2018 14:05

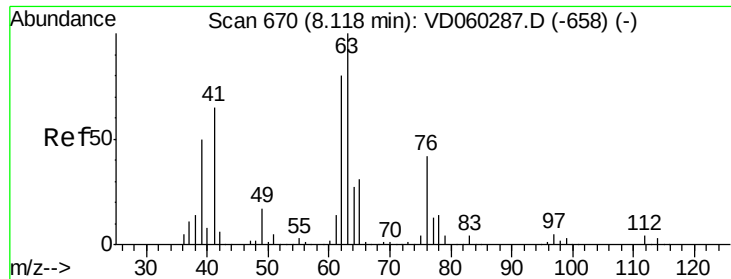
Tgt Ion:130 Resp: 347553

Ion Ratio Lower Upper

130 100

95 96.5 0.0 200.0

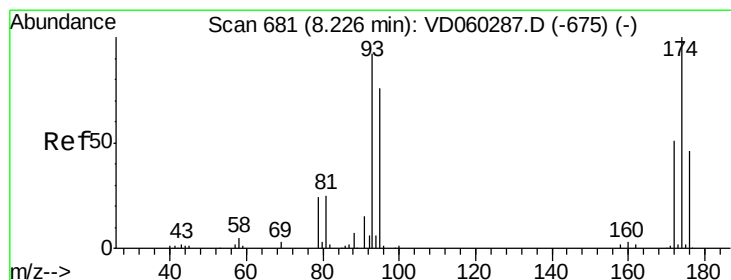
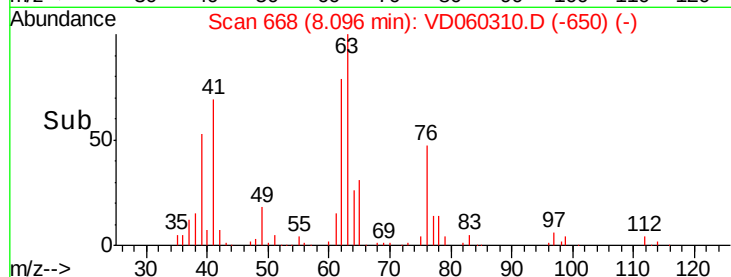
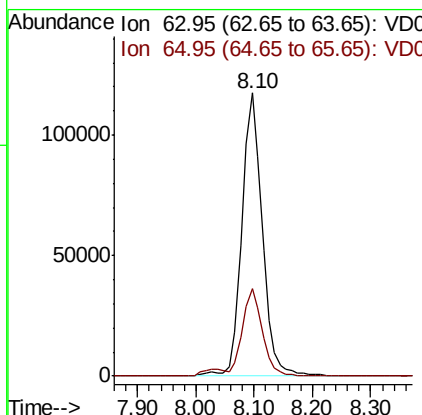
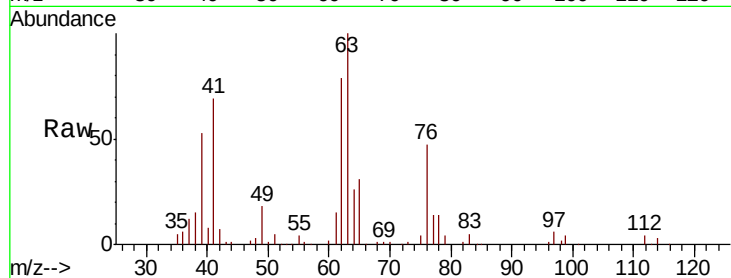




#45
 1,2-Dichloropropane
 Concen: 20.522 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

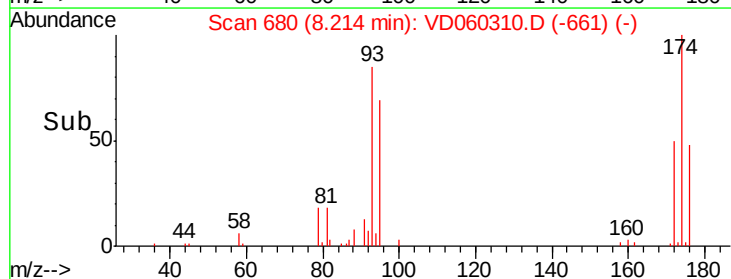
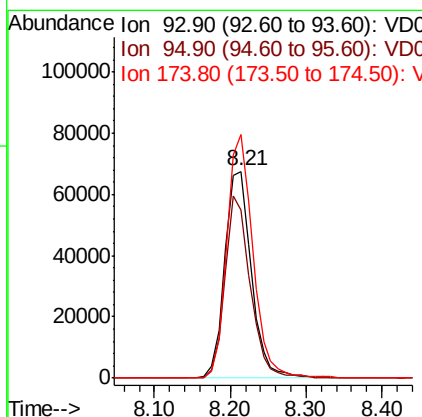
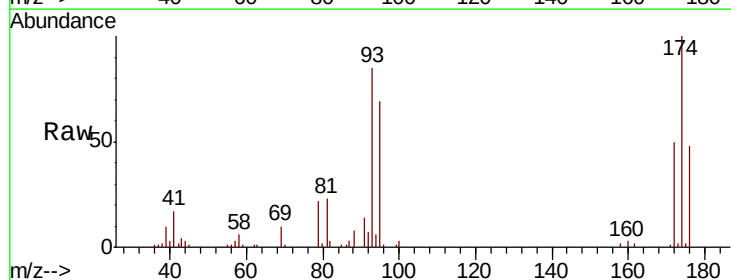
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

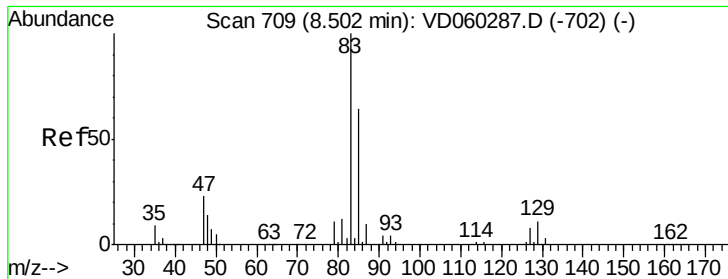
Tot Ion: 63 Resp: 288168
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.4 35.2



#46
 Dibromomethane
 Concen: 19.992 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion: 93 Resp: 164418
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.4 99.6
 174 117.6 87.8 131.8





#47

Bromodichloromethane

Concen: 20.070 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

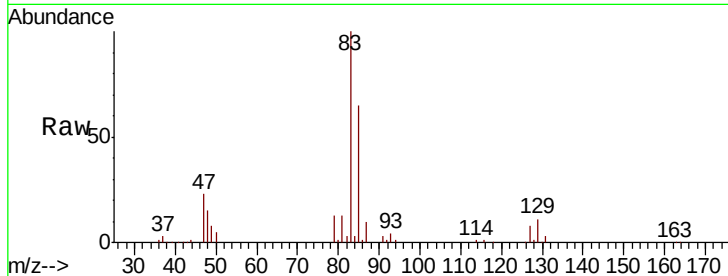
Tot Ion: 83 Resp: 388962

Ion Ratio Lower Upper

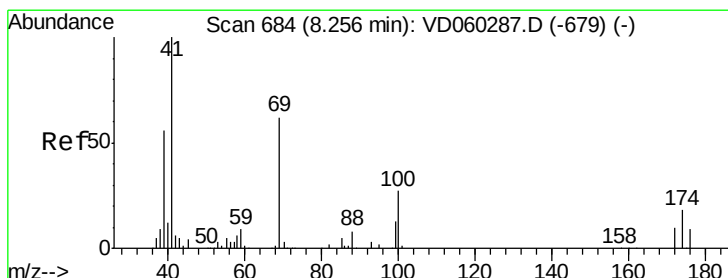
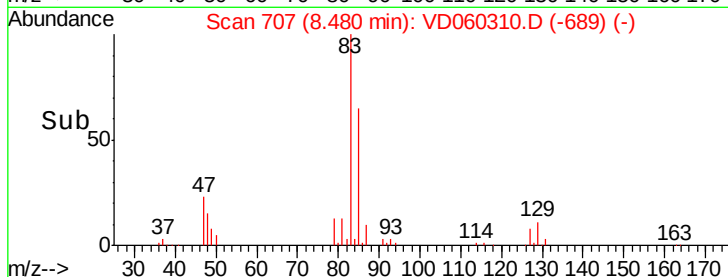
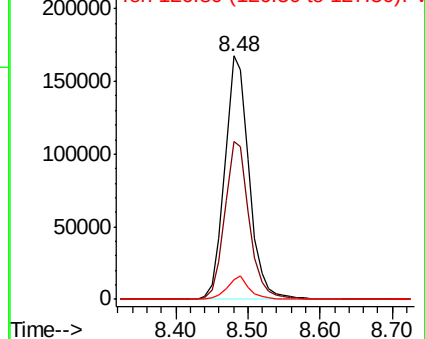
83 100

85 64.7 51.0 76.6

127 8.0 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.172 ug/l

RT: 8.23 min Scan# 682

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

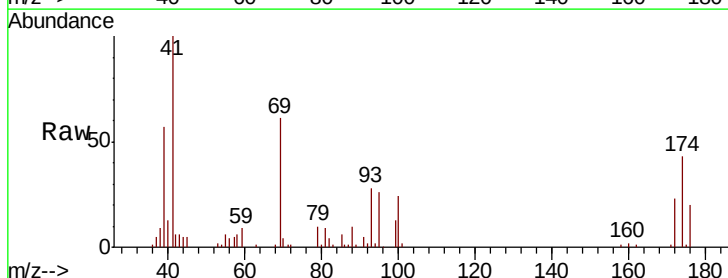
Tgt Ion: 41 Resp: 154483

Ion Ratio Lower Upper

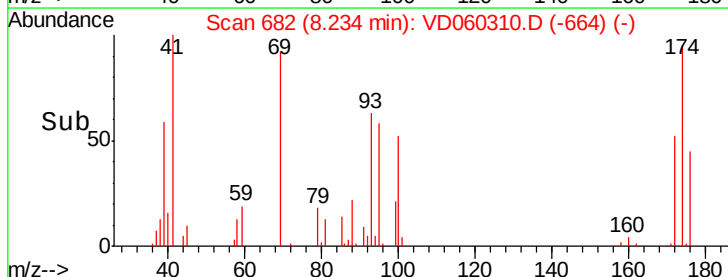
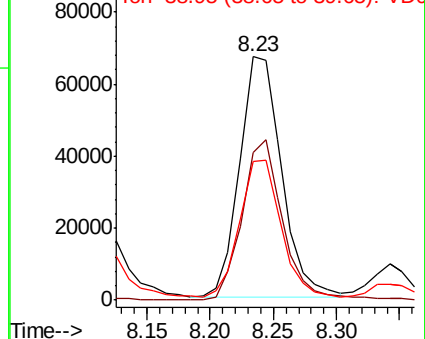
41 100

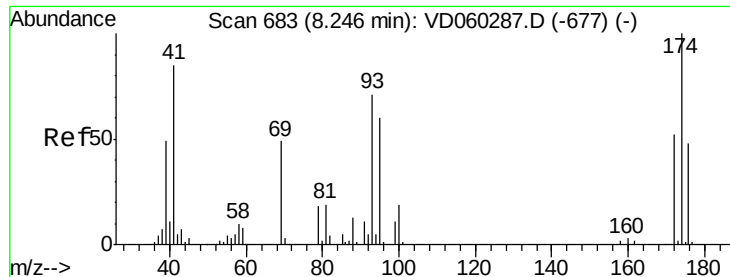
69 60.7 47.0 70.4

39 57.0 46.2 69.4



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





#49

1,4-Dioxane

Concen: 433.593 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

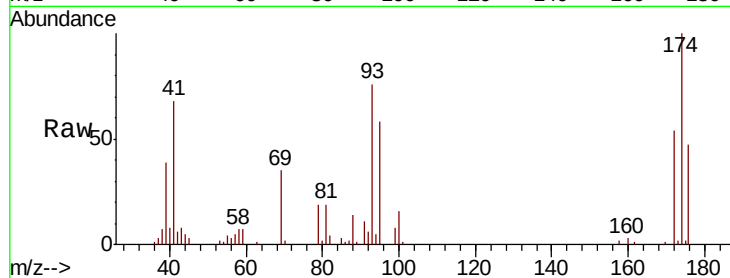
Tot Ion: 88 Resp: 28730

Ion Ratio Lower Upper

88 100

43 54.8 39.7 59.5

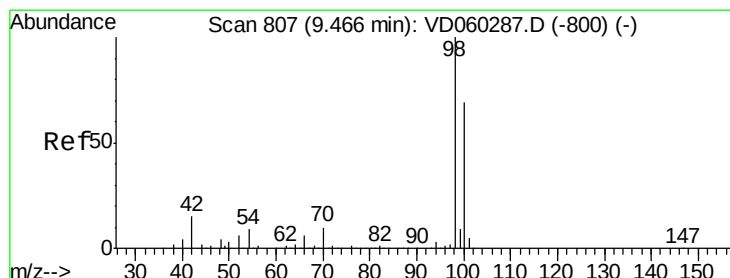
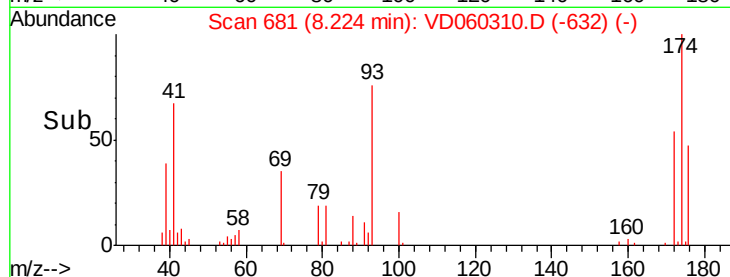
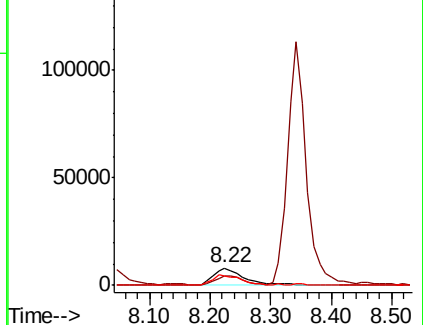
58 54.3 60.2 90.2#



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: 433.593 ug/l

RT: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060310.D

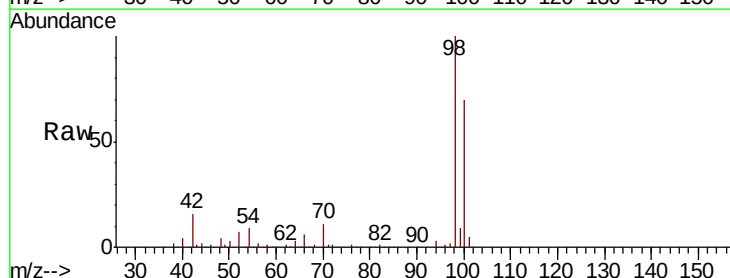
Acq: 9 Nov 2018 14:05

Tgt Ion: 98 Resp: 2411967

Ion Ratio Lower Upper

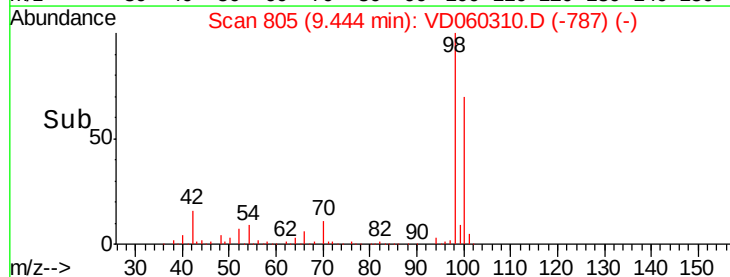
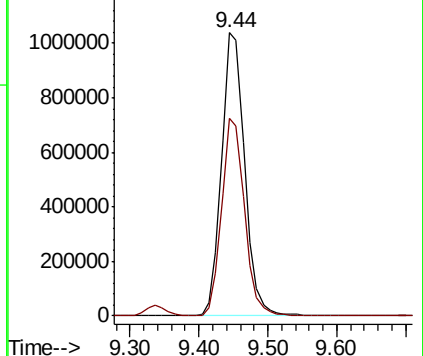
98 100

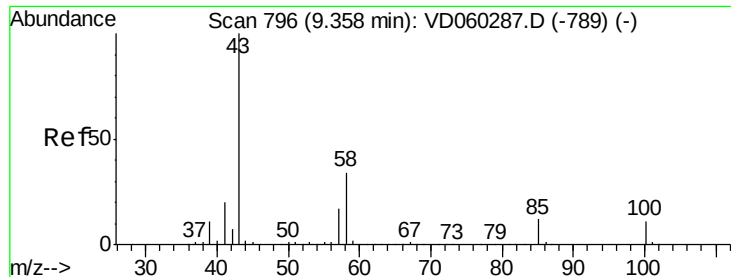
100 69.8 55.2 82.8



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: 100.859 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

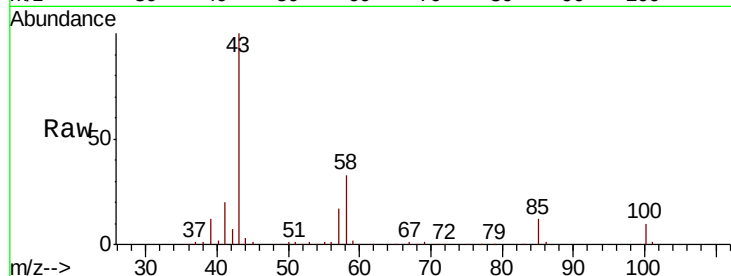
VD1109SBS01

Tot Ion: 43 Resp: 827627

Ion Ratio Lower Upper

43 100

58 32.8 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

400000

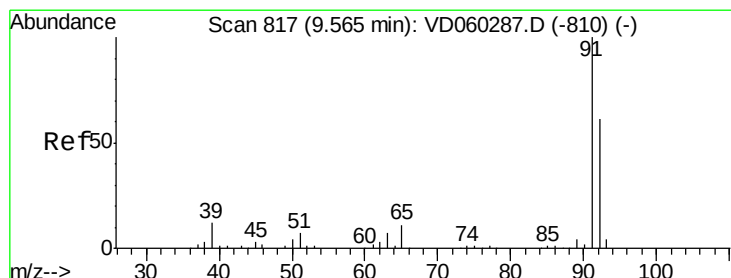
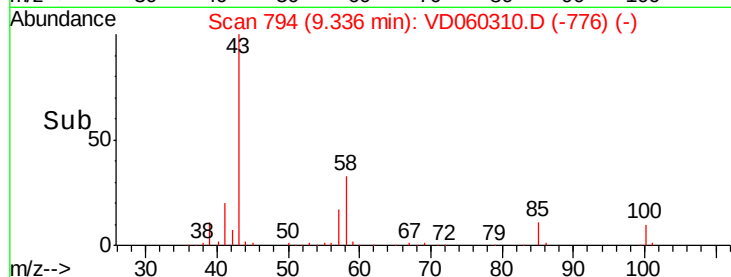
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.106 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD060310.D

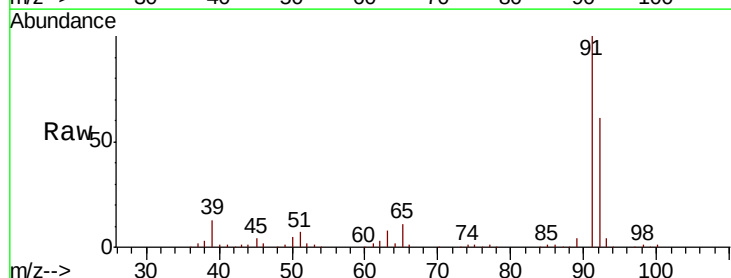
Acq: 9 Nov 2018 14:05

Tgt Ion: 92 Resp: 715077

Ion Ratio Lower Upper

92 100

91 165.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

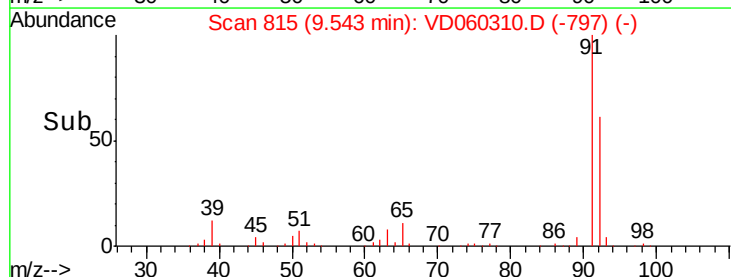
300000

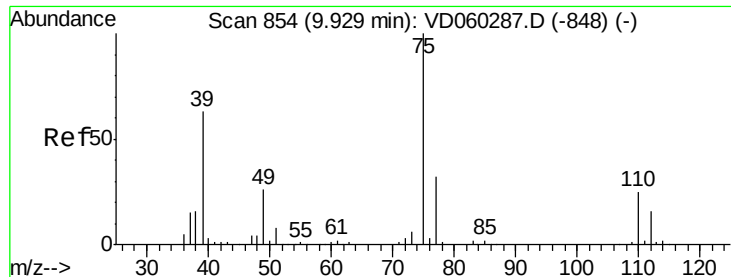
200000

100000

0

Time-->

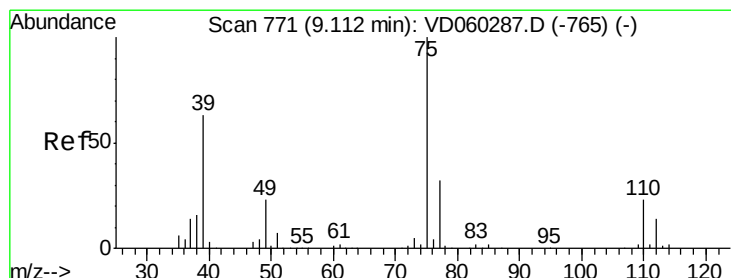
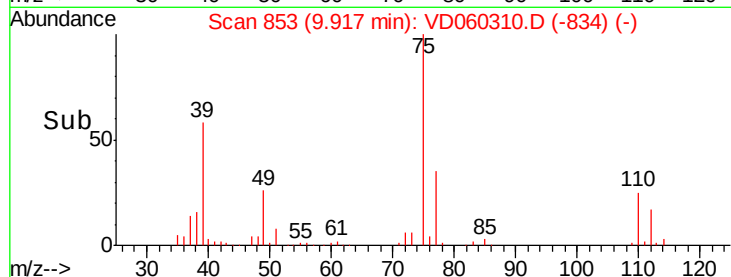
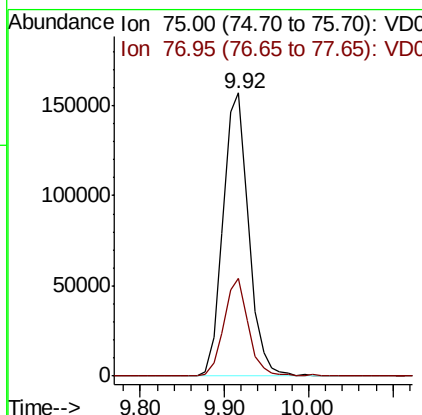
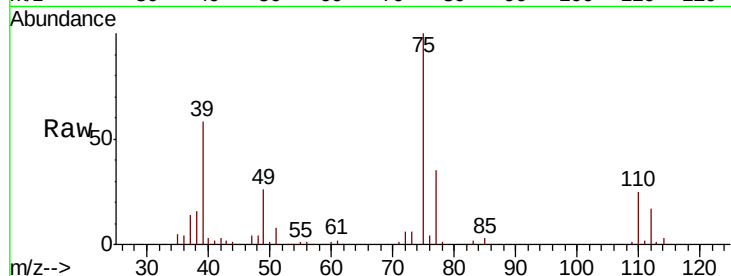




#53
 t-1,3-Dichloropropene
 Concen: 20.182 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

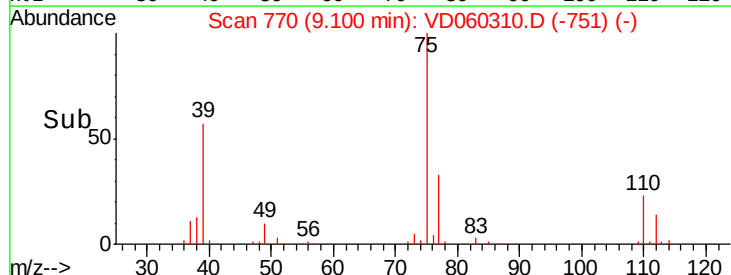
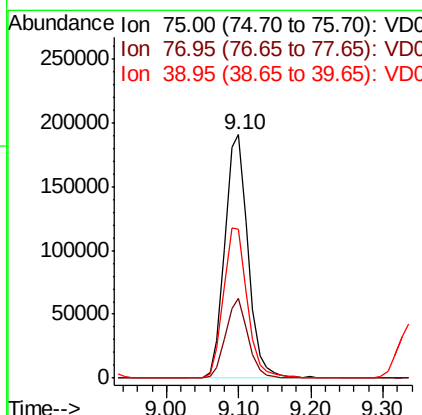
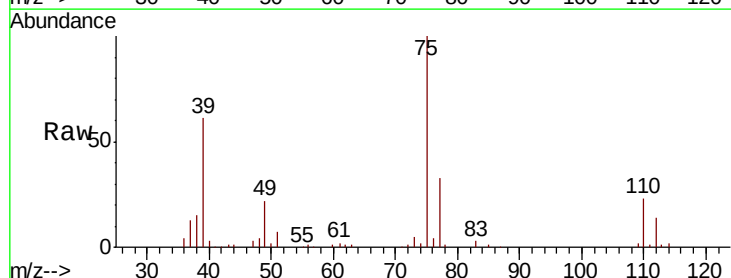
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

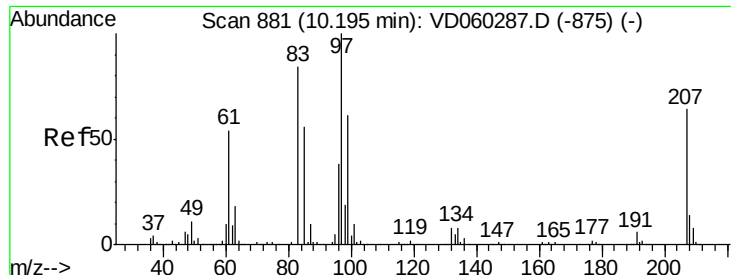
Tot Ion: 75 Resp: 330461
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.296 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion: 75 Resp: 426262
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.3 39.5
 39 61.0 50.8 76.2

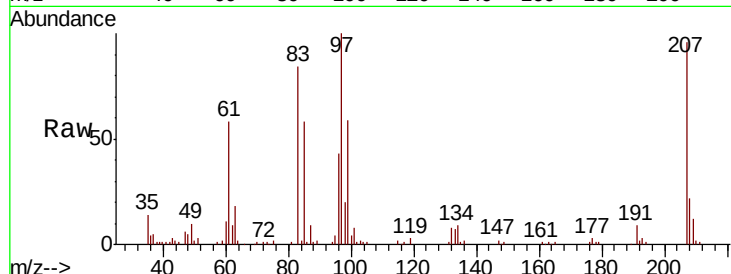




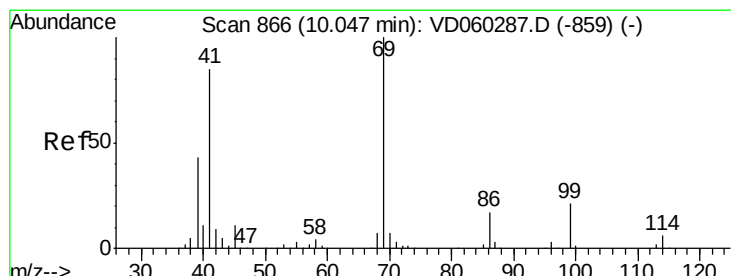
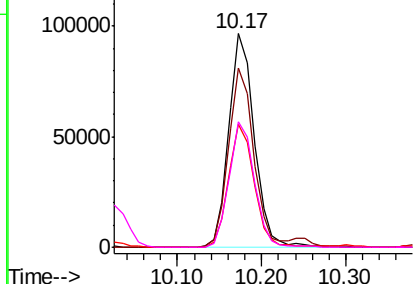
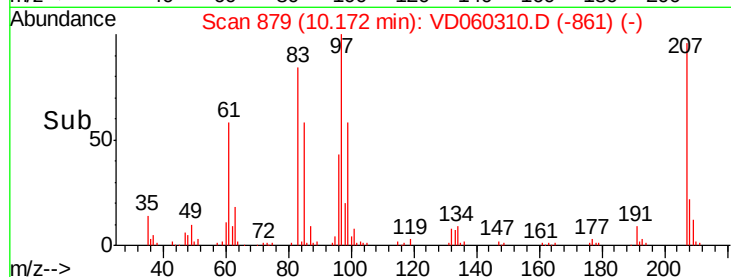
#55
 1,1,2-Trichloroethane
 Concen: 19.697 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion:	97	Resp:	203036
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.4	102.6
85	57.7	46.8	70.2
99	58.5	49.5	74.3

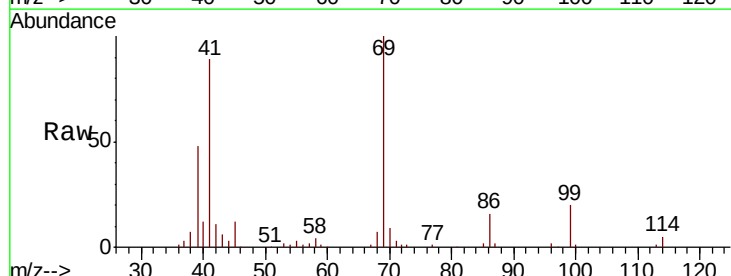


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

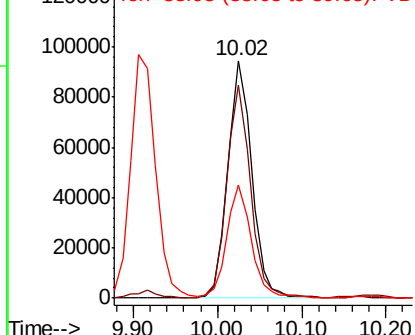
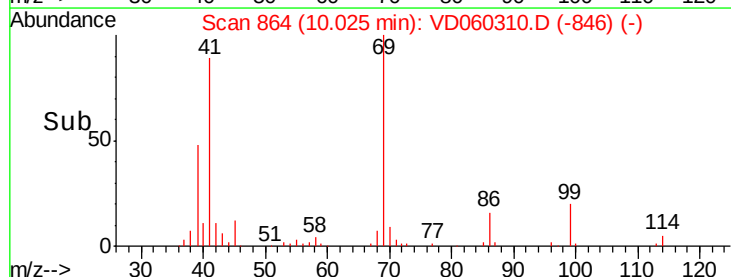


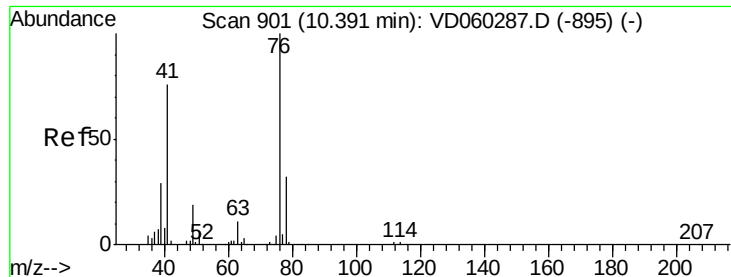
#56
 Ethyl methacrylate
 Concen: 19.852 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion:	69	Resp:	188158
Ion	Ratio	Lower	Upper
69	100		
41	89.3	69.0	103.4
39	47.6	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

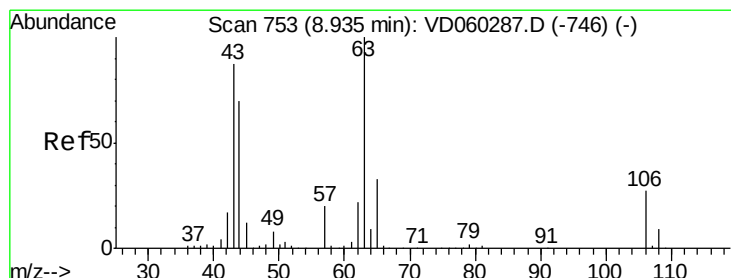
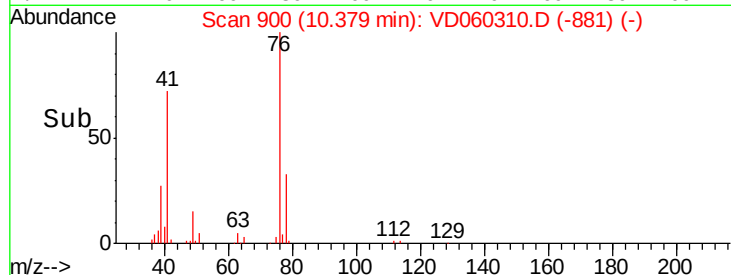
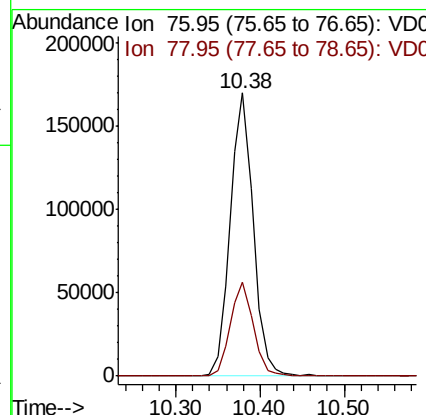
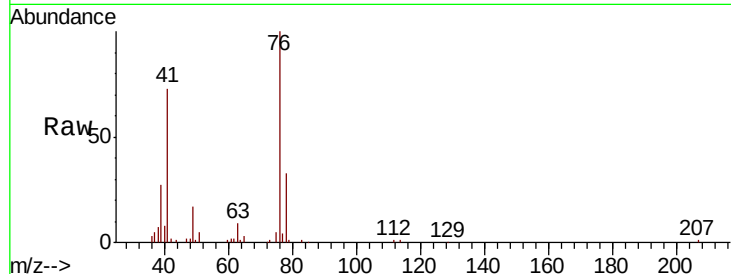




#57
 1,3-Dichloropropane
 Concen: 20.457 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

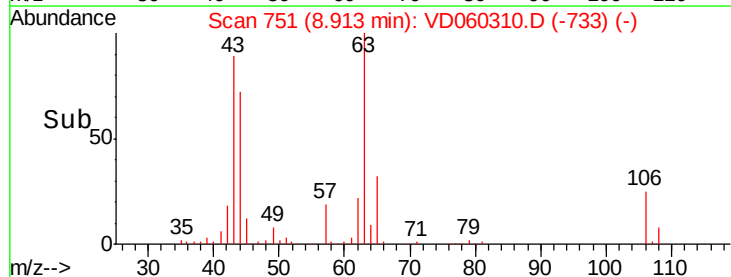
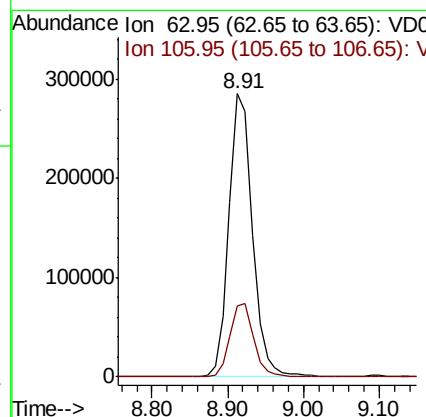
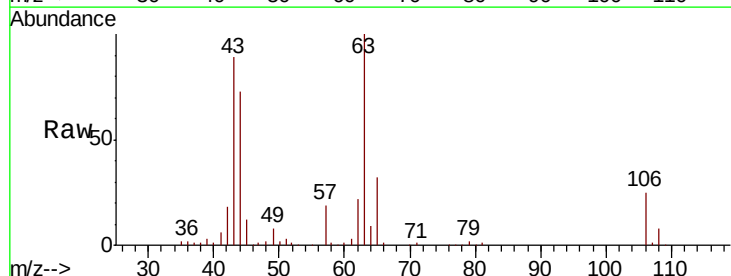
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

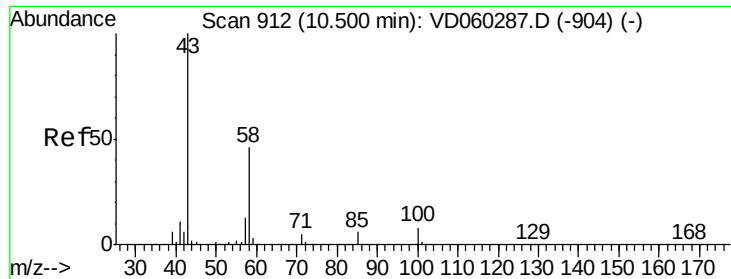
Tot Ion: 76 Resp: 321324
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.410 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion: 63 Resp: 615545
 Ion Ratio Lower Upper
 63 100
 106 25.3 21.5 32.3

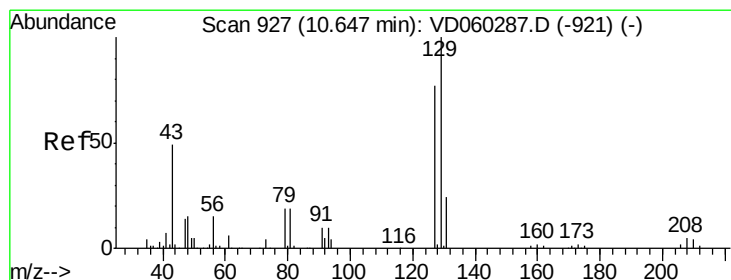
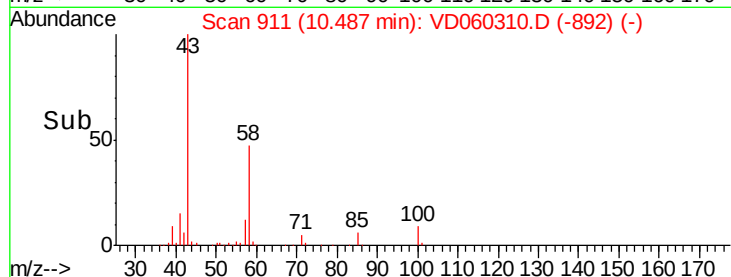
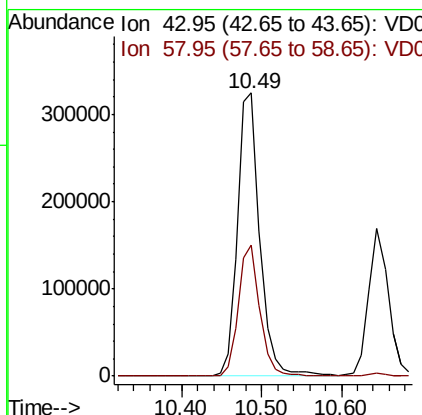
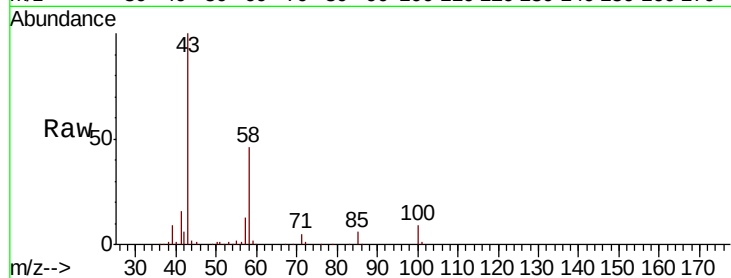




#59
2-Hexanone
Concen: 108.618 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

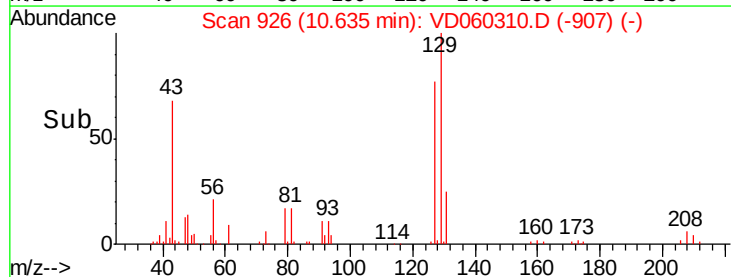
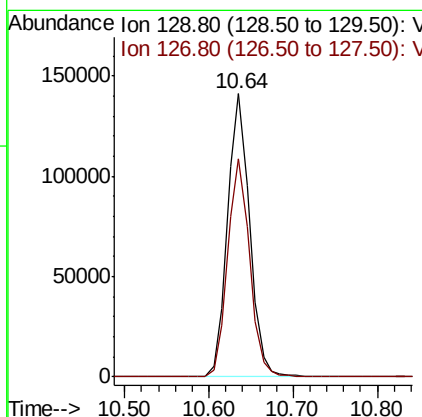
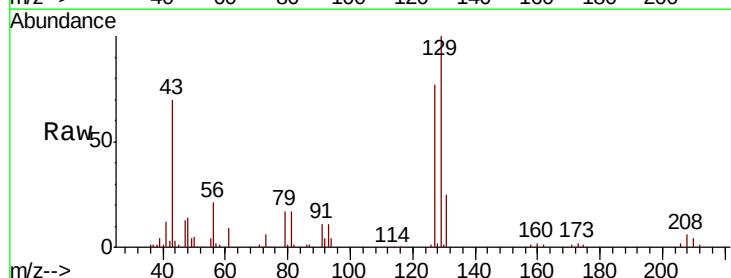
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

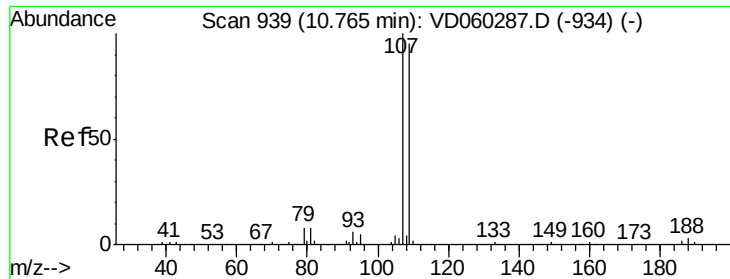
Tot Ion: 43 Resp: 635258
Ion Ratio Lower Upper
43 100
58 46.2 22.9 68.5



#60
Dibromochloromethane
Concen: 20.488 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 129 Resp: 256726
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.118 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

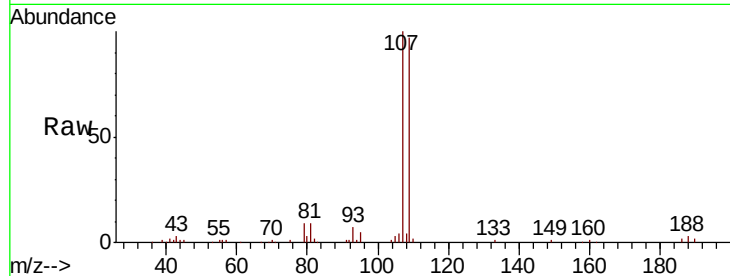
VD1109SBS01

Tot Ion:107 Resp: 207787

Ion Ratio Lower Upper

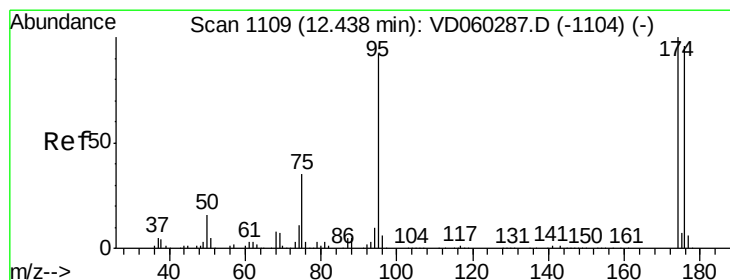
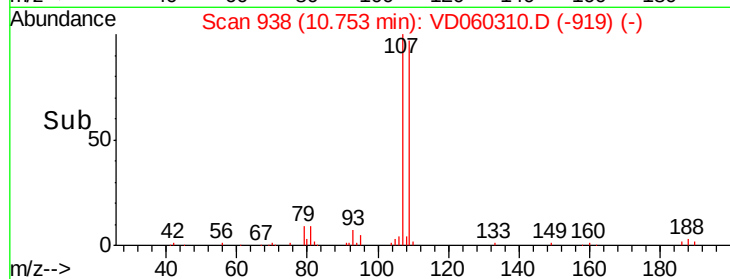
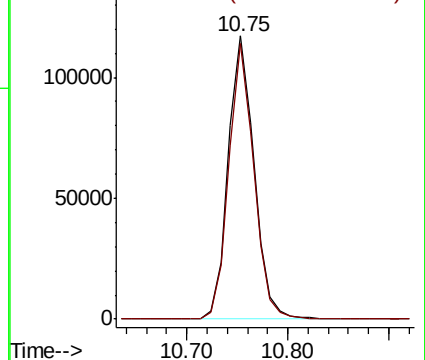
107 100

109 97.3 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.118 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

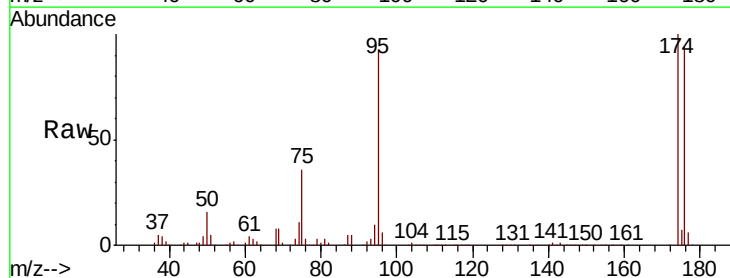
Tgt Ion: 95 Resp: 888356

Ion Ratio Lower Upper

95 100

174 108.1 0.0 160.8

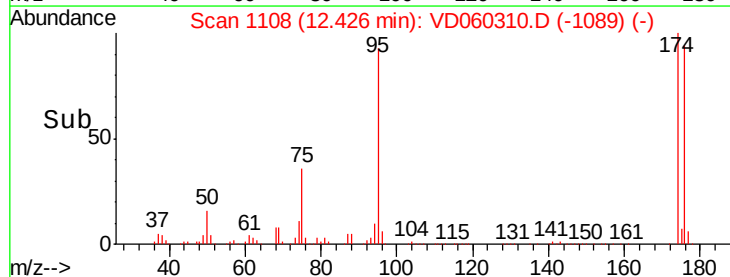
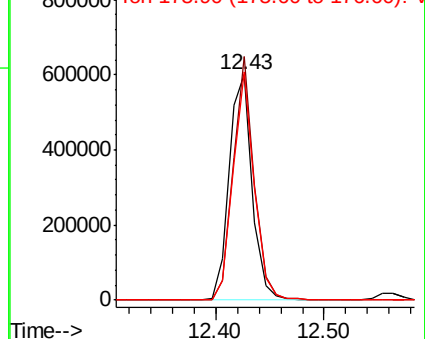
176 101.5 0.0 154.6

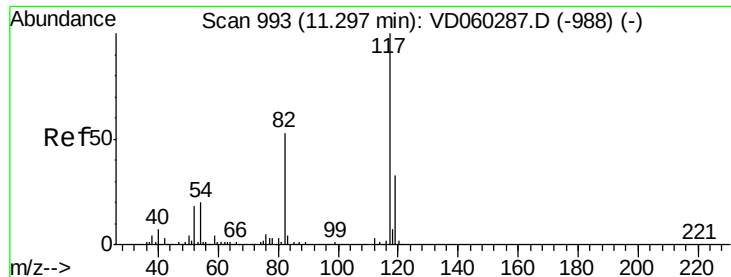


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

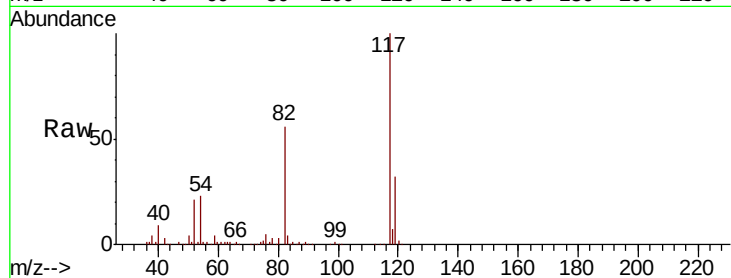




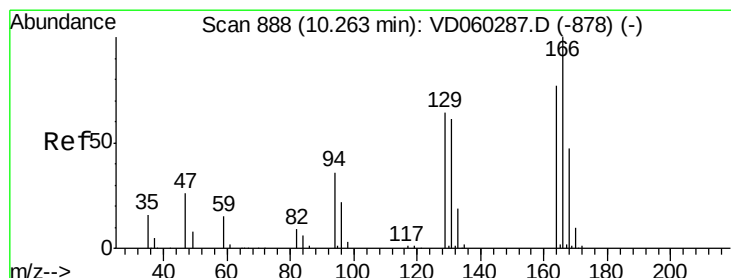
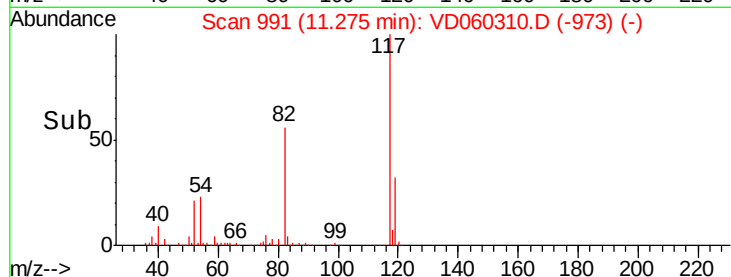
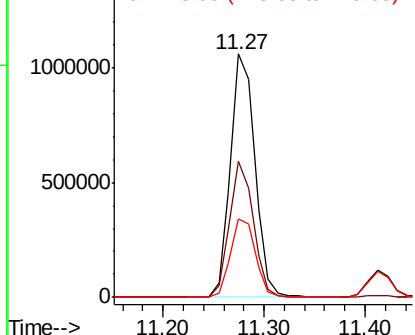
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion:117 Resp: 1790674
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.0 26.1 39.1

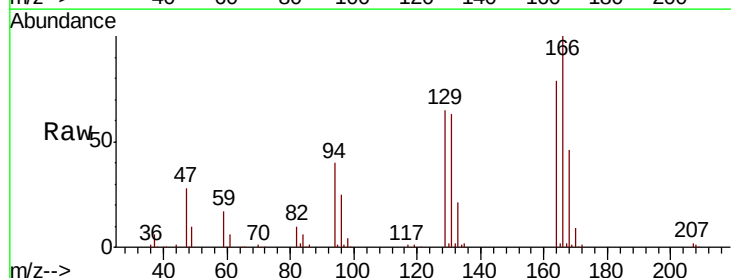


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

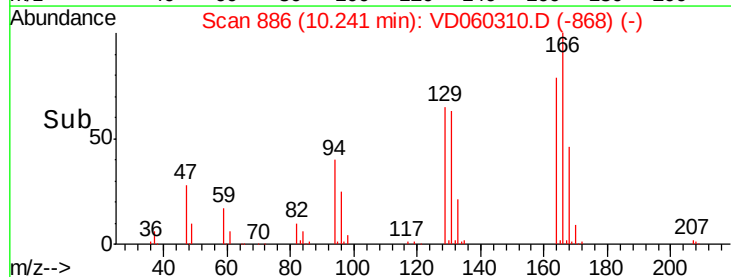
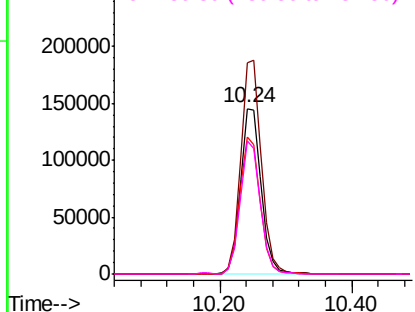


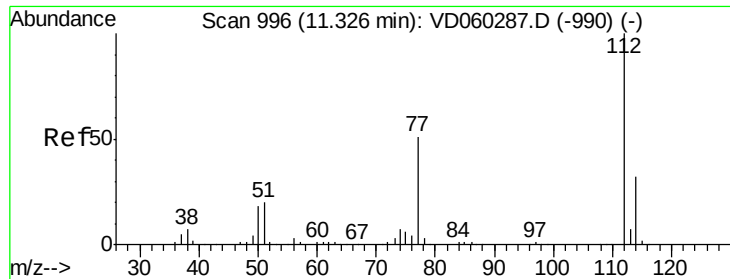
#64
Tetrachloroethene
Concen: 20.030 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion:164 Resp: 320198
Ion Ratio Lower Upper
164 100
166 127.1 103.7 155.5
129 82.6 65.6 98.4
131 80.0 64.4 96.6



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

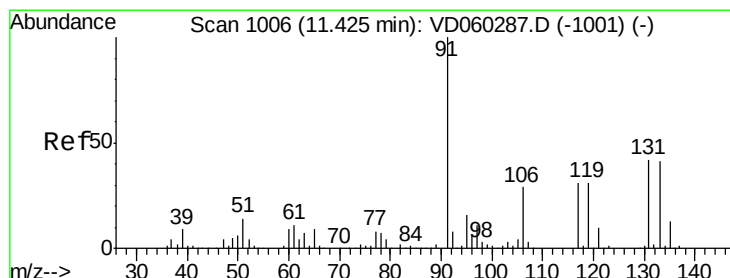
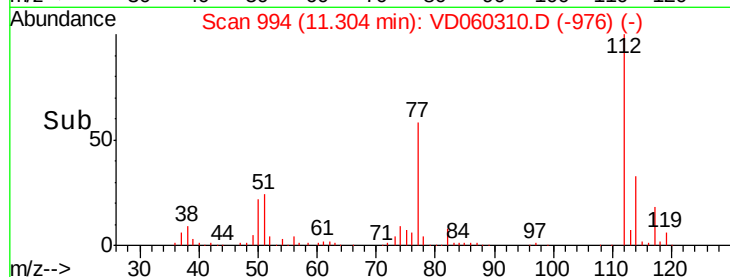
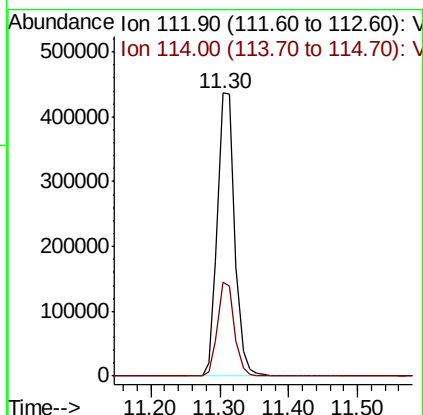
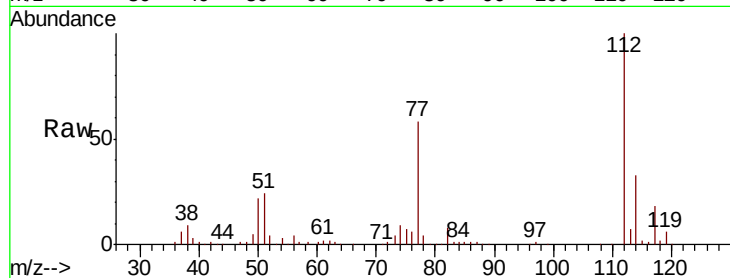




#65
Chlorobenzene
Concen: 19.818 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

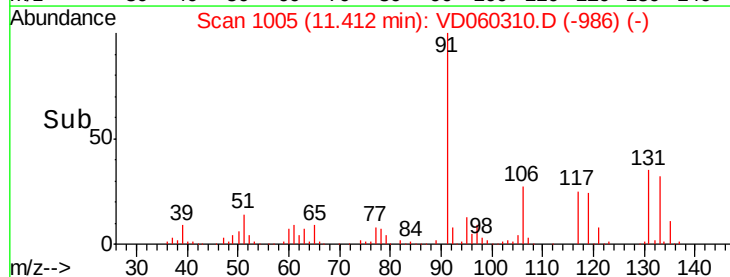
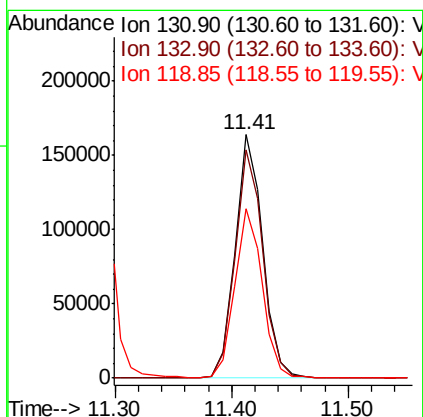
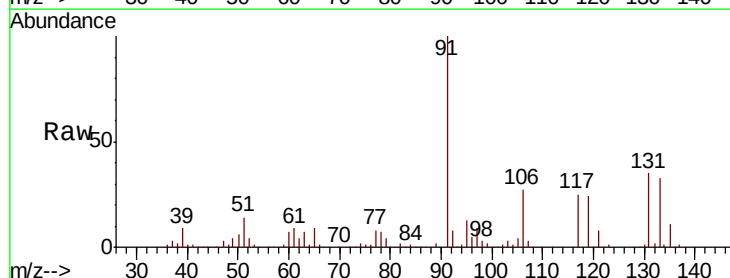
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

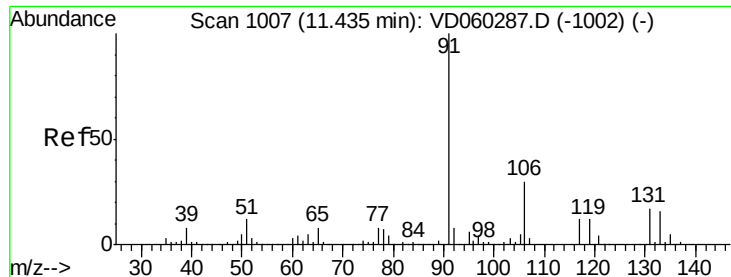
Tot Ion:112 Resp: 768928
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.038 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion:131 Resp: 267065
Ion Ratio Lower Upper
131 100
133 93.7 50.0 150.0
119 69.7 37.0 111.1

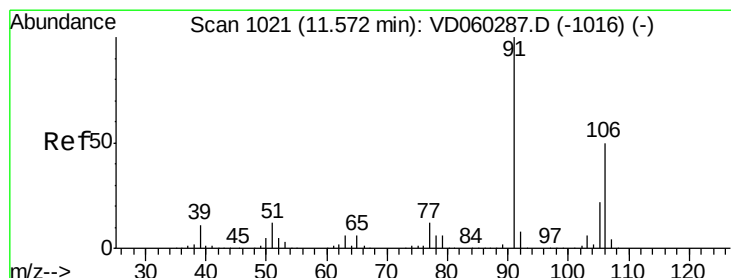
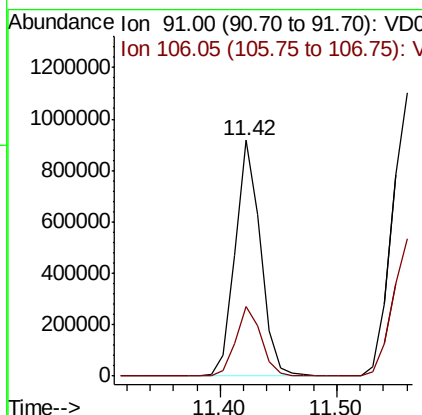
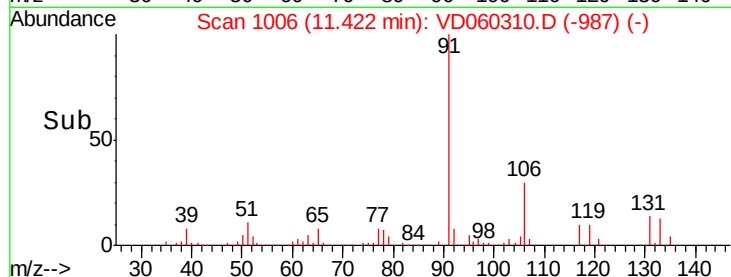
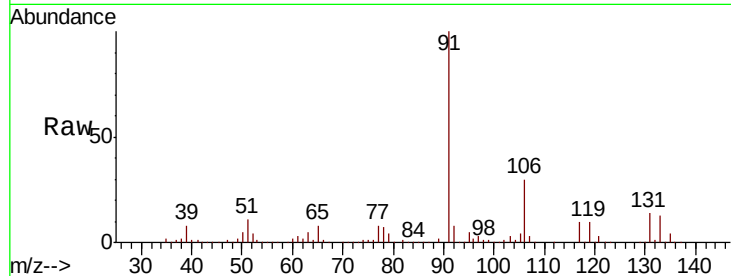




#67
Ethyl Benzene
Concen: 20.717 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

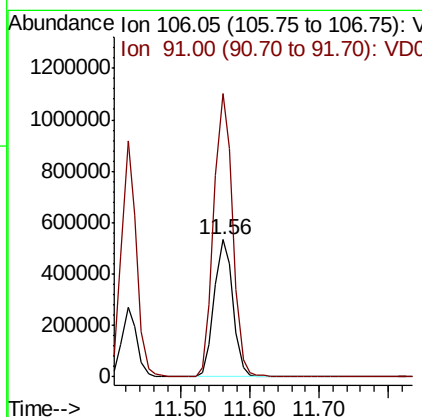
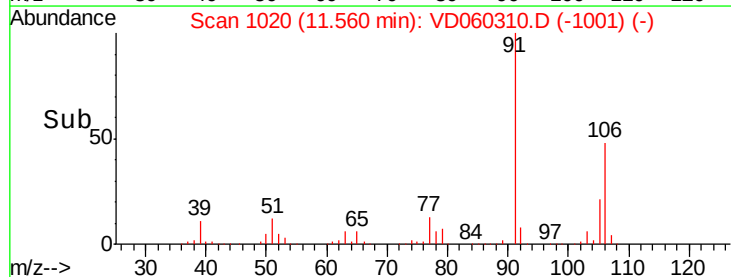
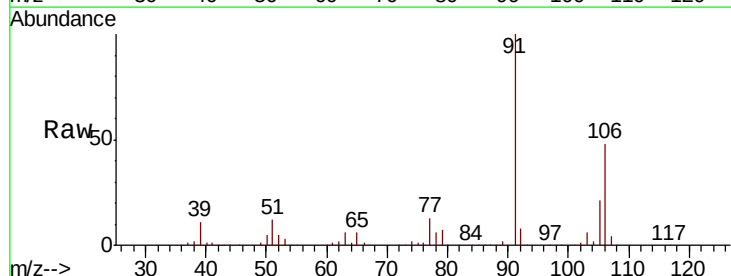
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

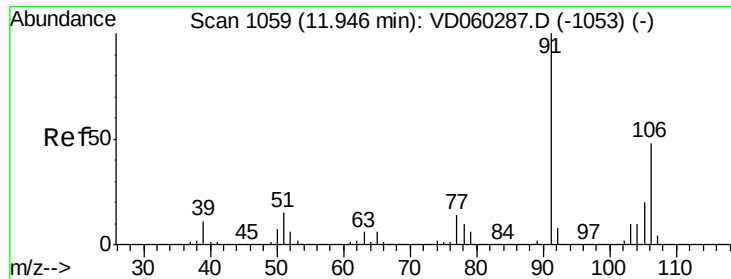
Tot Ion: 91 Resp: 1374996
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8



#68
m/p-Xylenes
Concen: 41.094 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 106 Resp: 1006101
Ion Ratio Lower Upper
106 100
91 206.6 159.4 239.2

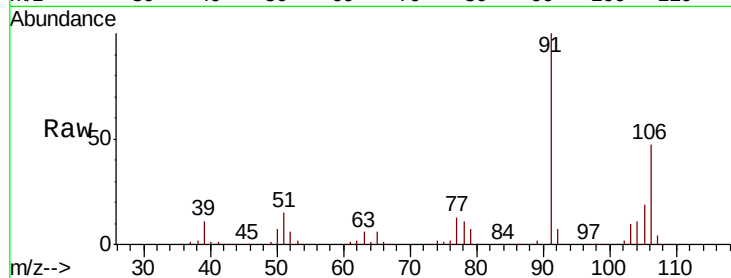




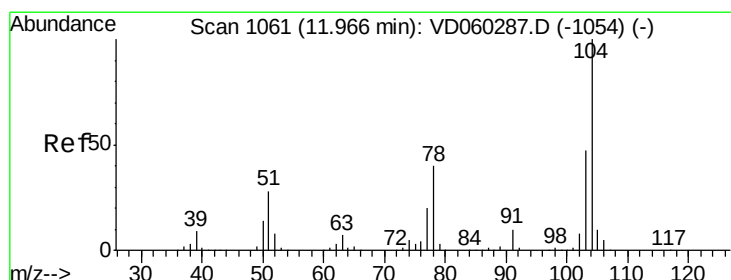
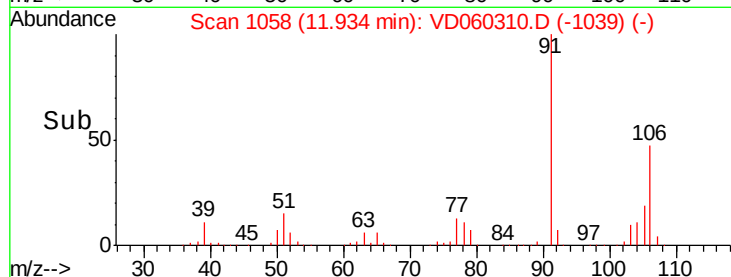
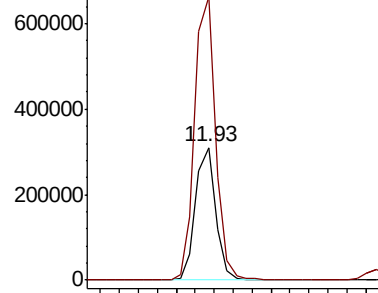
#69
o-Xylene
Concen: 19.568 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion:106 Resp: 462836
Ion Ratio Lower Upper
106 100
91 213.8 109.2 327.6

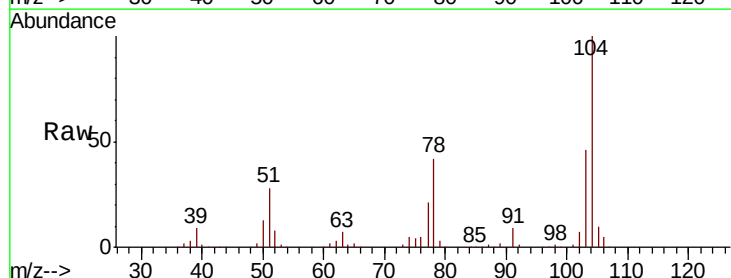


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

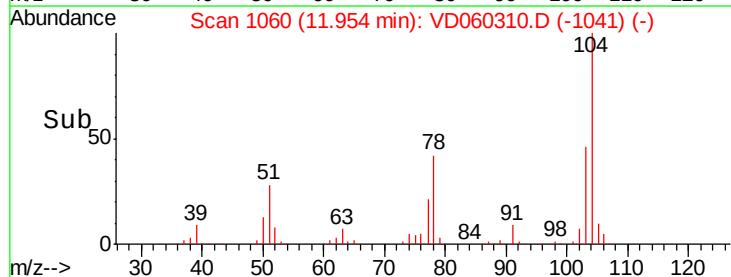
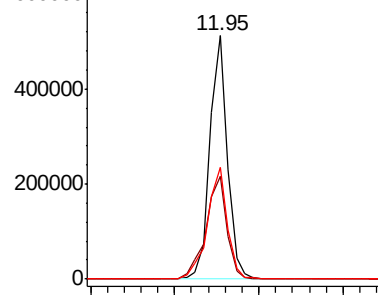


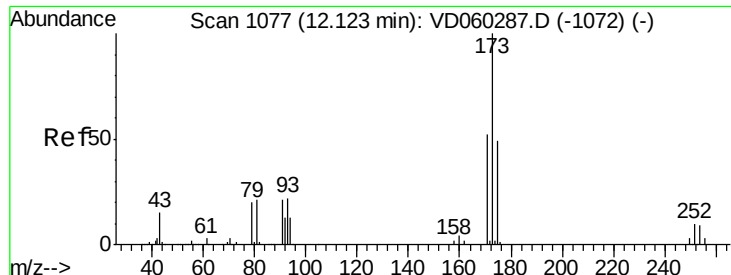
#70
Styrene
Concen: 19.375 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion:104 Resp: 740638
Ion Ratio Lower Upper
104 100
78 42.2 31.6 47.4
103 46.1 37.0 55.6



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





#71

Bromoform

Concen: 19.219 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

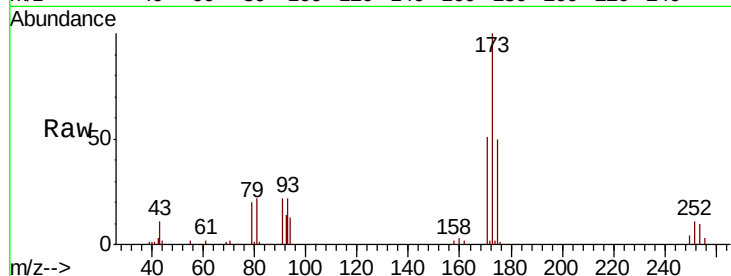
Tot Ion:173 Resp: 163943

Ion Ratio Lower Upper

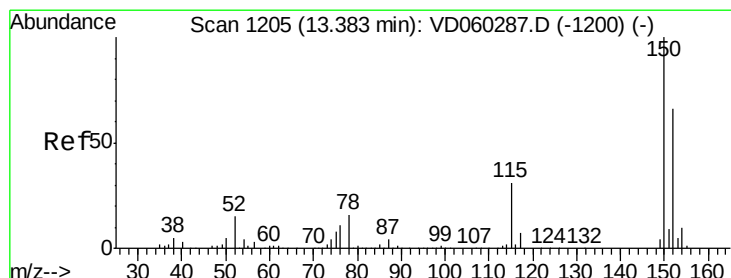
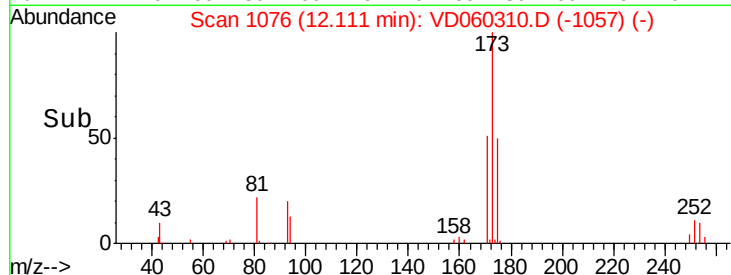
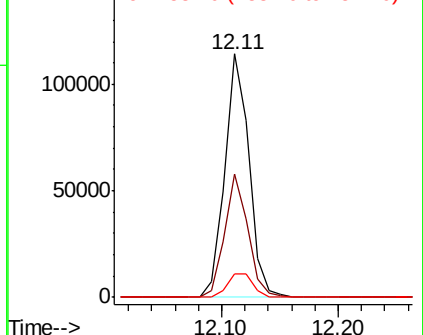
173 100

175 50.4 24.3 73.0

254 9.5 8.3 12.5



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

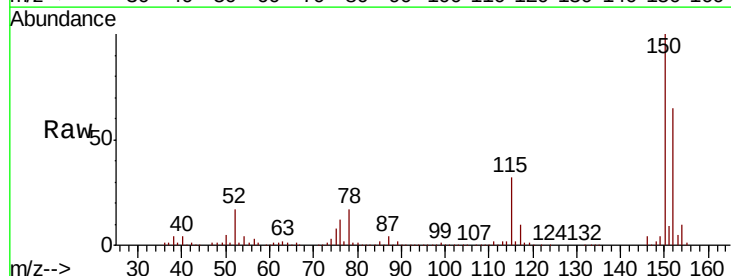
Tgt Ion:152 Resp: 917861

Ion Ratio Lower Upper

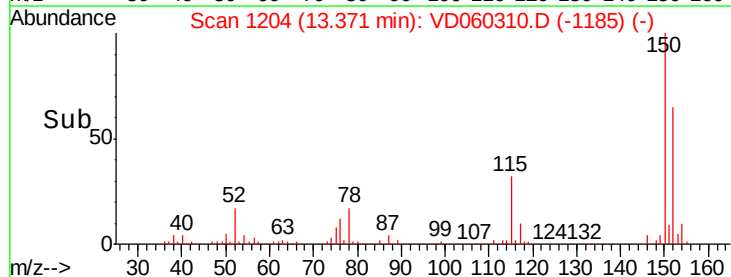
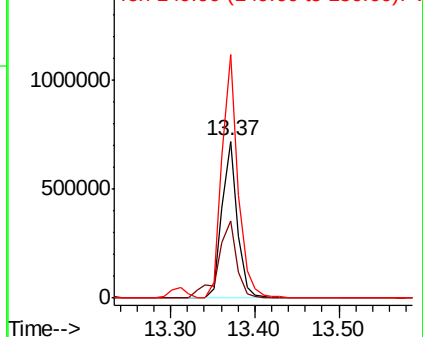
152 100

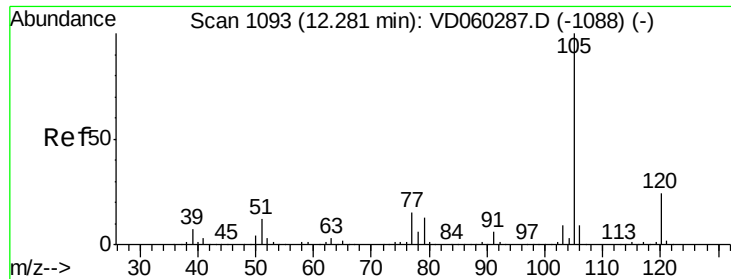
115 49.0 24.1 72.3

150 155.0 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: 19.139 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

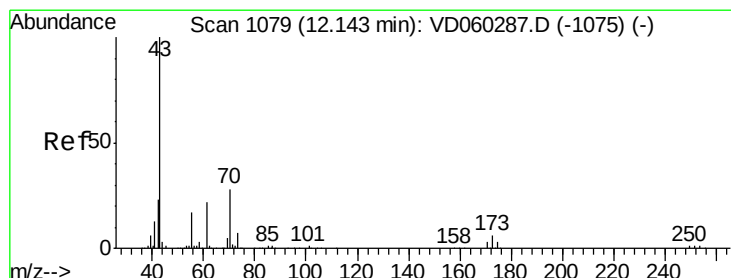
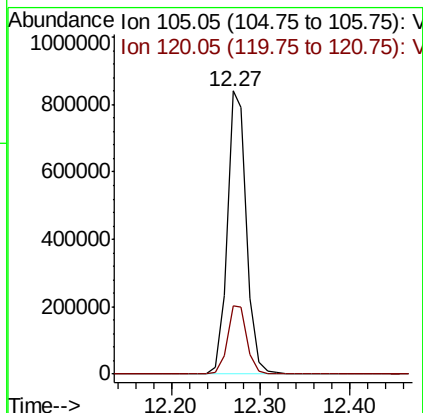
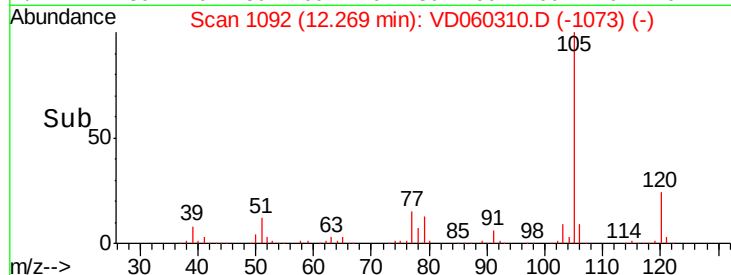
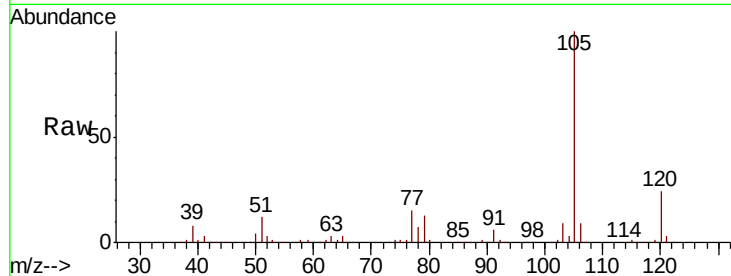
VD1109SBS01

Tot Ion:105 Resp: 1279890

Ion Ratio Lower Upper

105 100

120 24.0 12.1 36.3



#74

N-ethyl acetate

Concen: 18.562 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Tgt Ion: 43 Resp: 318248

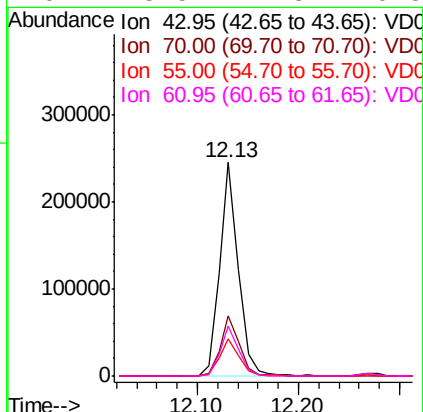
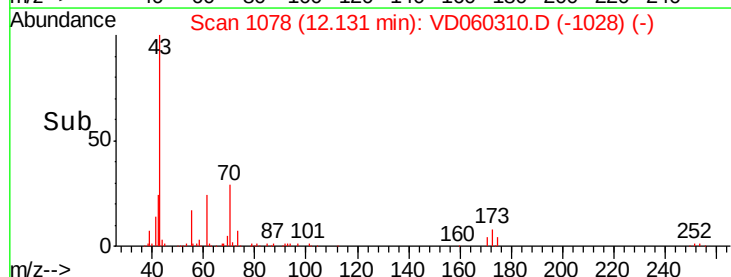
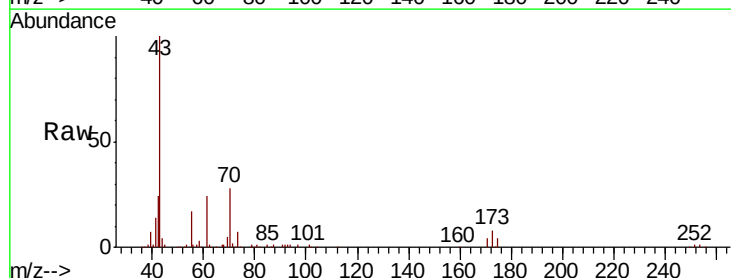
Ion Ratio Lower Upper

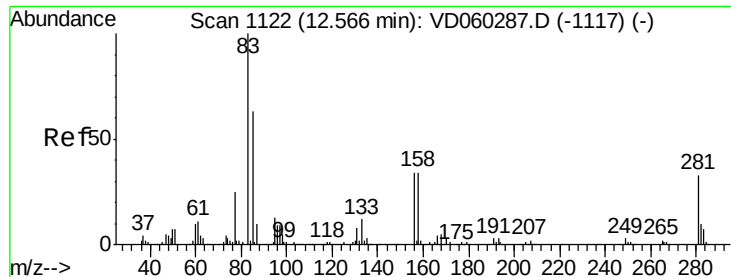
43 100

70 28.4 23.0 34.4

55 17.1 14.2 21.4

61 23.5 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.303 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

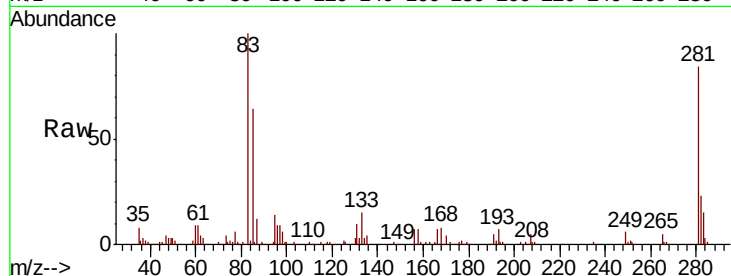
Tot Ion: 83 Resp: 222049

Ion Ratio Lower Upper

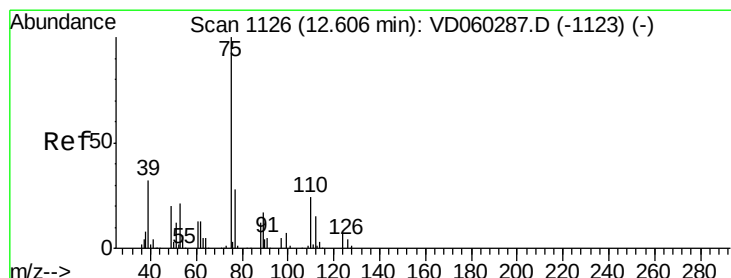
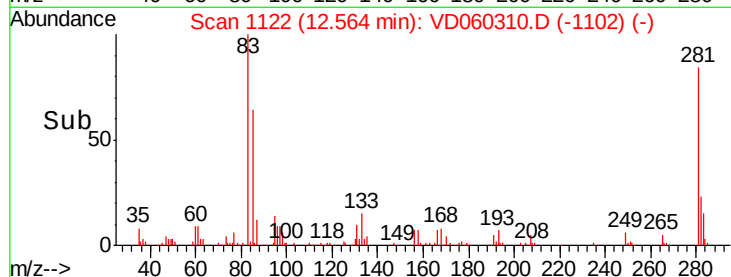
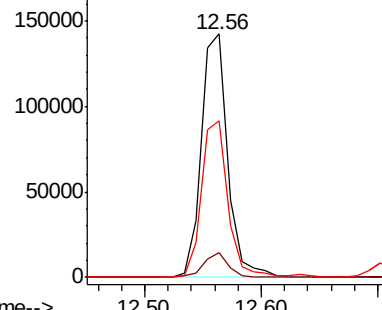
83 100

131 10.2 3.9 11.5

85 64.4 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.754 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060310.D

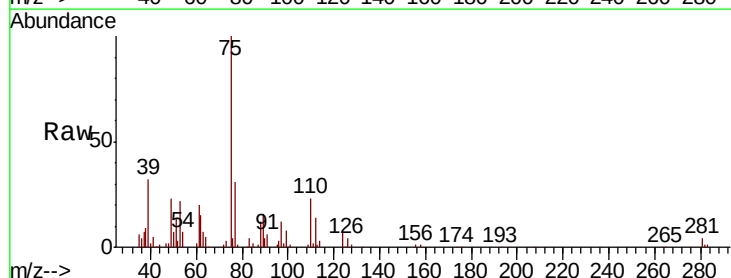
Acq: 9 Nov 2018 14:05

Tgt Ion: 75 Resp: 216896

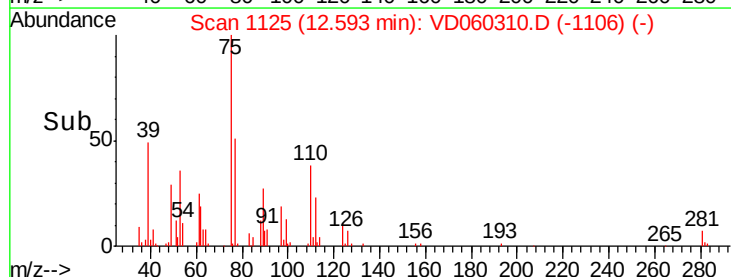
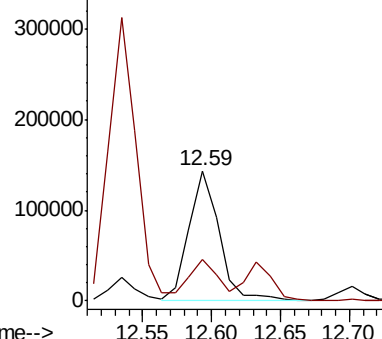
Ion Ratio Lower Upper

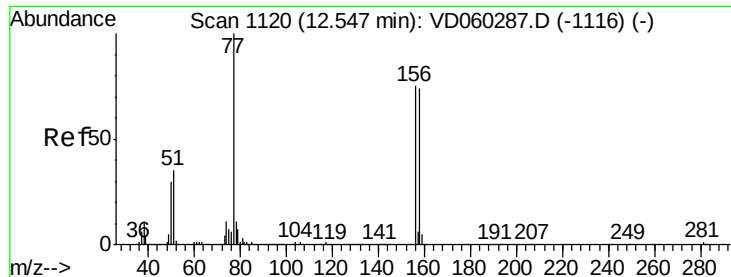
75 100

77 31.5 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.511 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

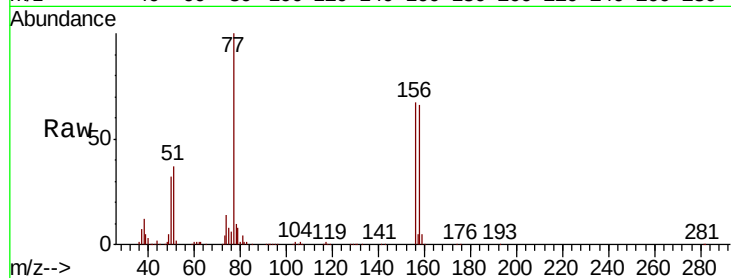
Tot Ion:156 Resp: 328820

Ion Ratio Lower Upper

156 100

77 149.9 61.2 183.6

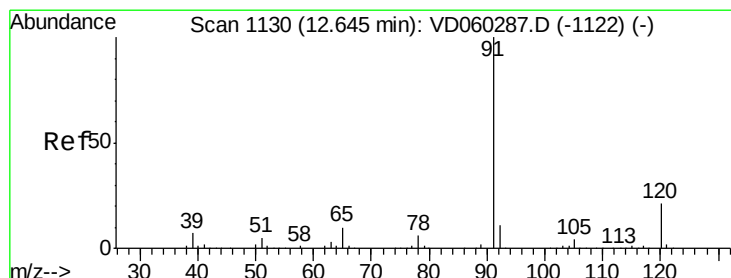
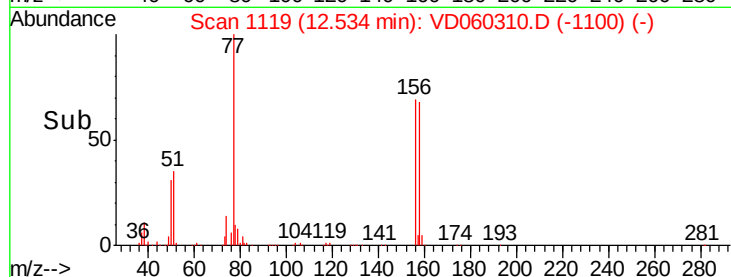
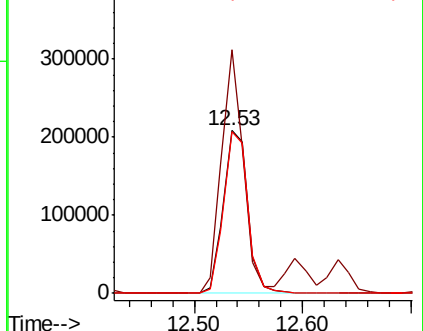
158 99.7 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.642 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060310.D

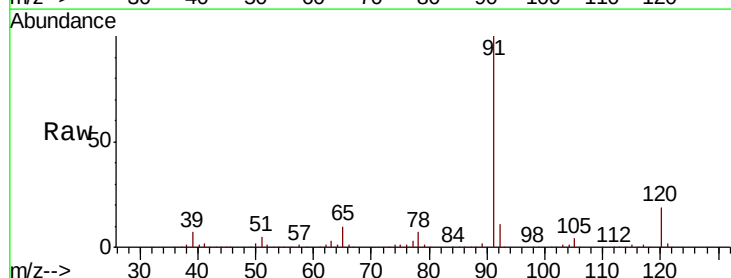
Acq: 9 Nov 2018 14:05

Tgt Ion: 91 Resp: 1639497

Ion Ratio Lower Upper

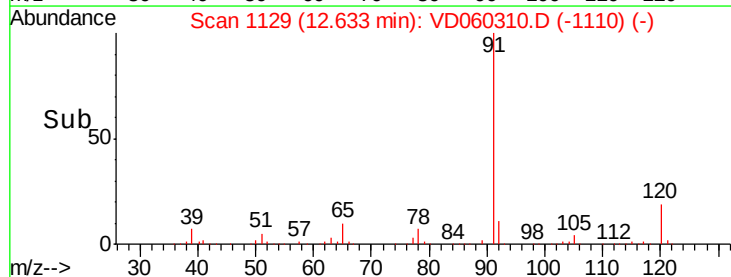
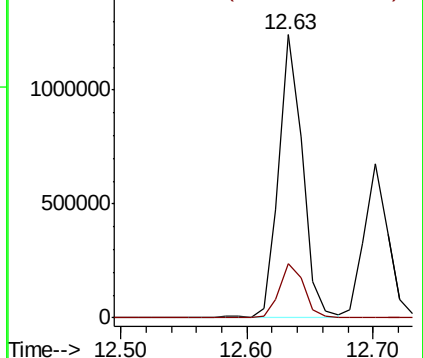
91 100

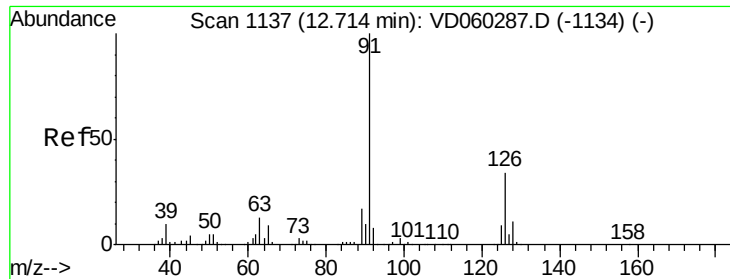
120 19.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.468 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

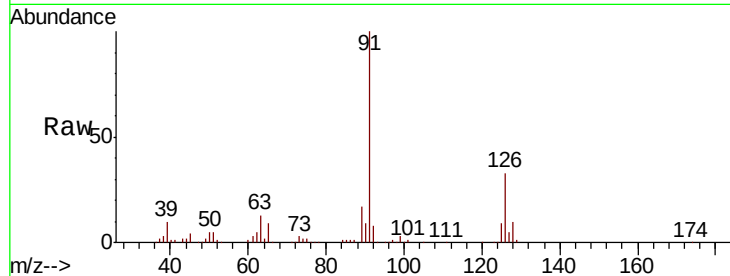
VD1109SBS01

Tot Ion: 91 Resp: 890000

Ion Ratio Lower Upper

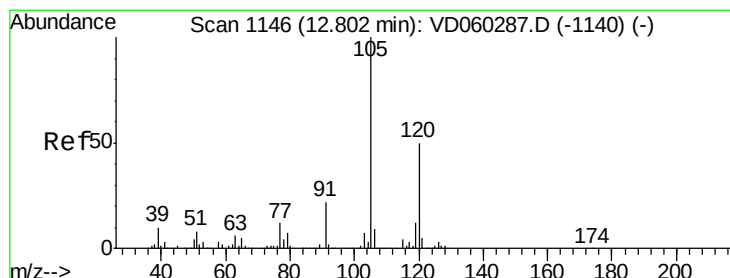
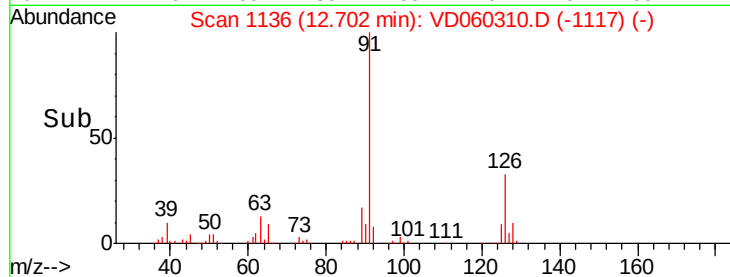
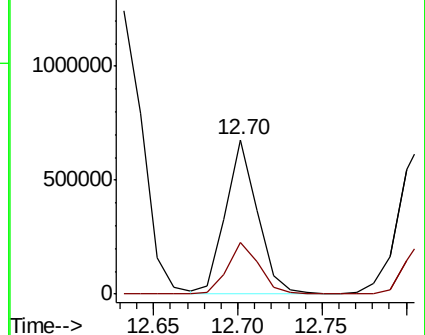
91 100

126 33.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 19.774 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060310.D

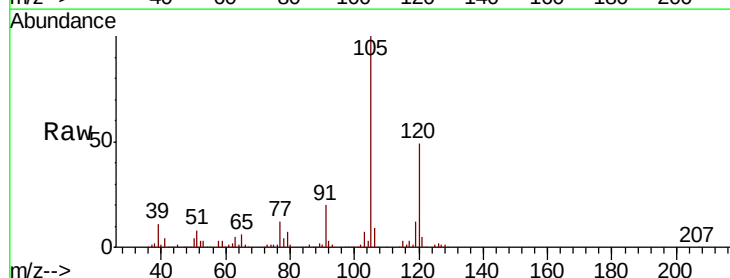
Acq: 9 Nov 2018 14:05

Tgt Ion: 105 Resp: 1027687

Ion Ratio Lower Upper

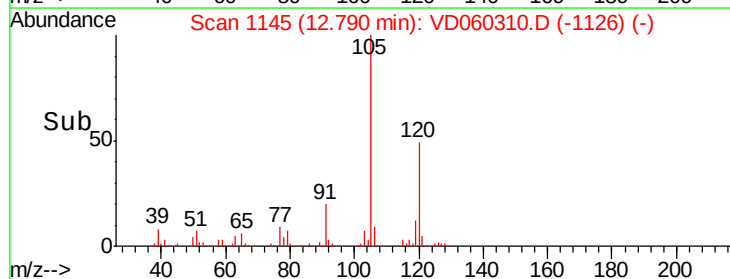
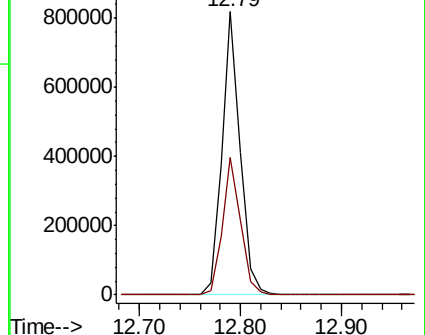
105 100

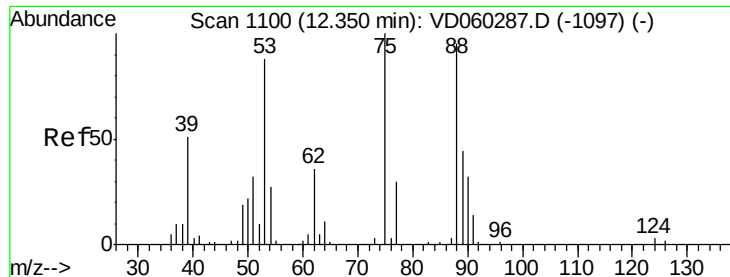
120 48.6 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.061 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060310.D

Acq: 9 Nov 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

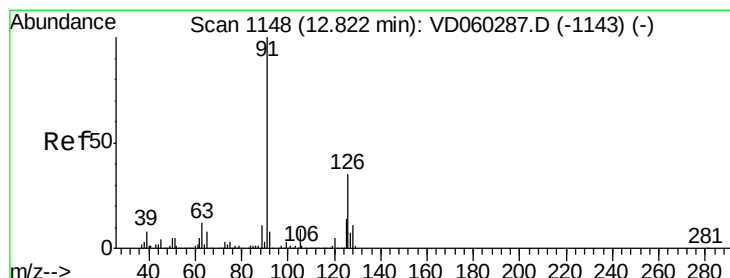
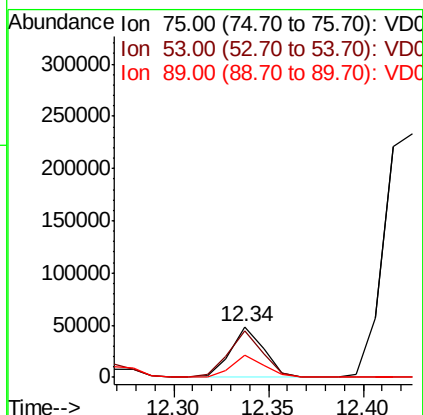
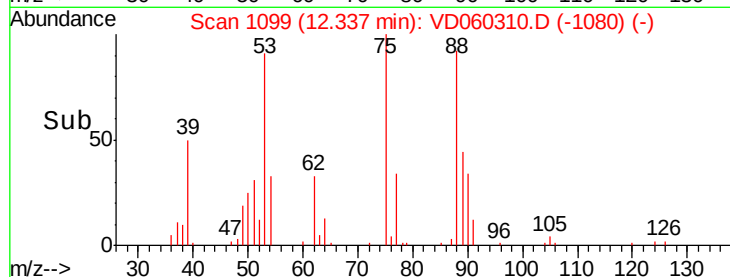
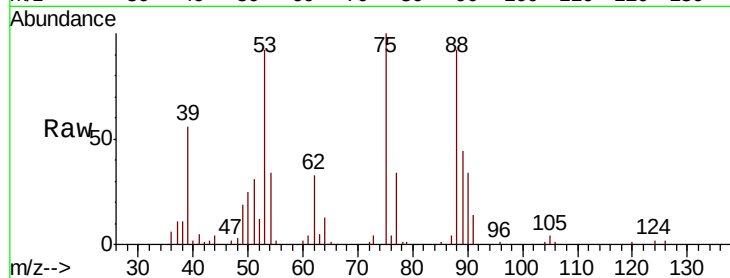
Tot Ion: 75 Resp: 59584

Ion Ratio Lower Upper

75 100

53 91.7 68.6 103.0

89 43.6 34.1 51.1



#82

4-Chlorotoluene

Concen: 19.833 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060310.D

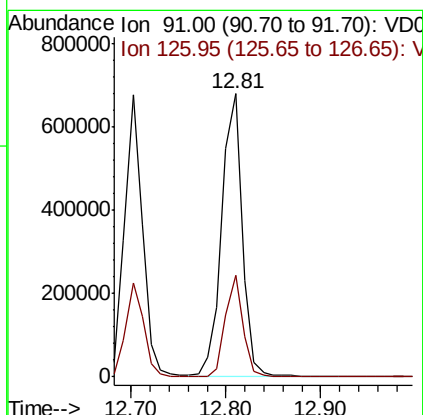
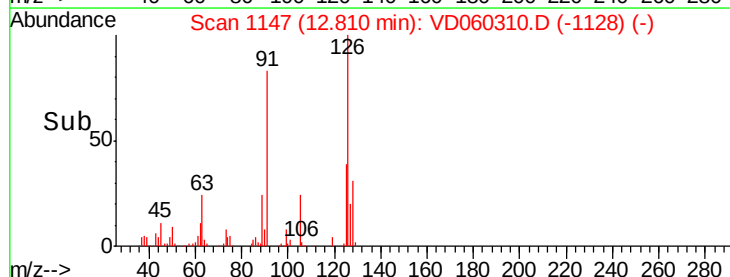
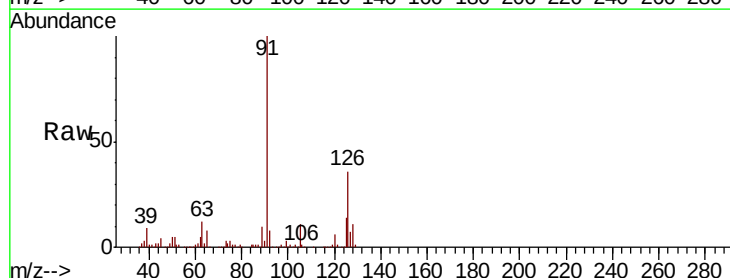
Acq: 9 Nov 2018 14:05

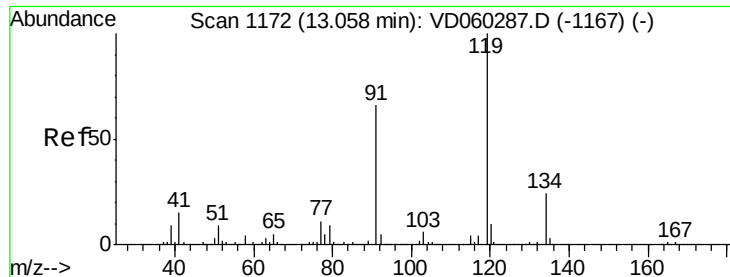
Tgt Ion: 91 Resp: 1018506

Ion Ratio Lower Upper

91 100

126 36.0 14.8 44.4

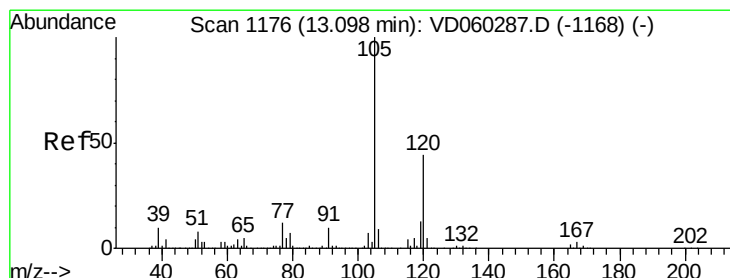
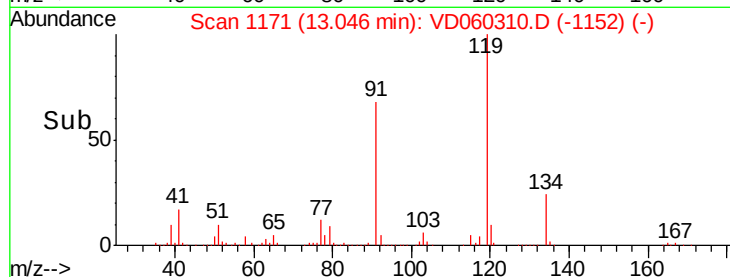
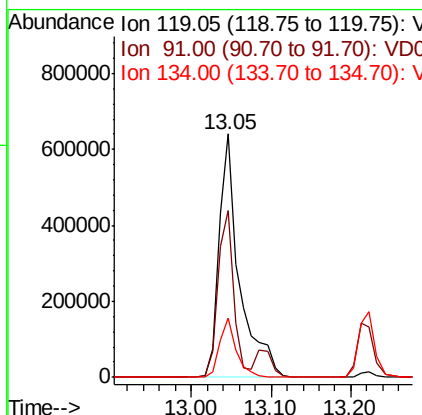
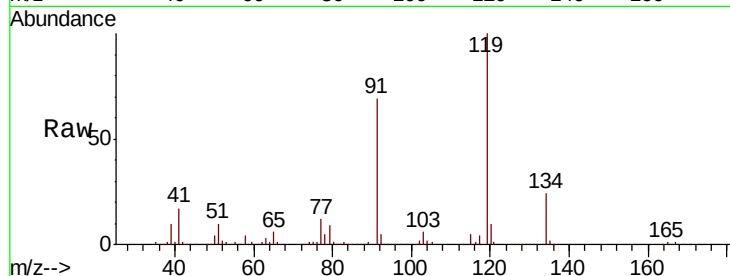




#83
 tert-Butylbenzene
 Concen: 20.054 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

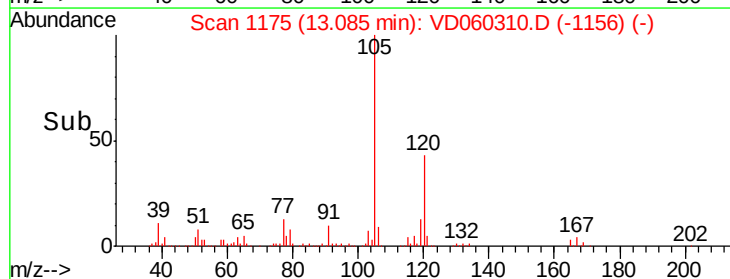
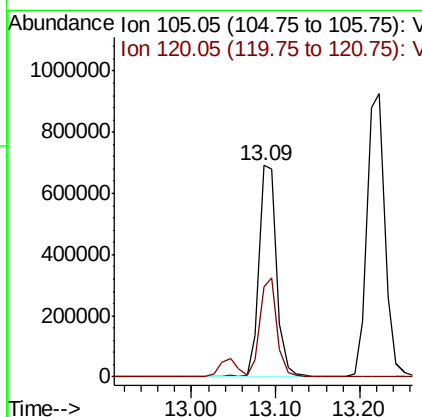
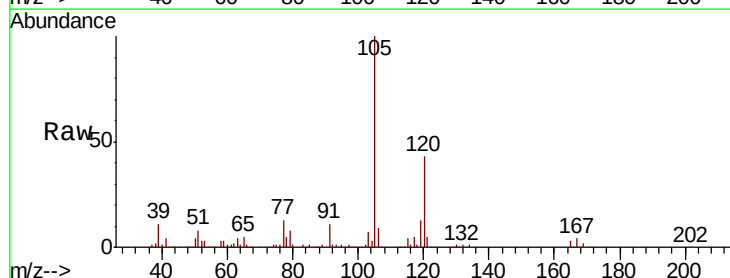
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

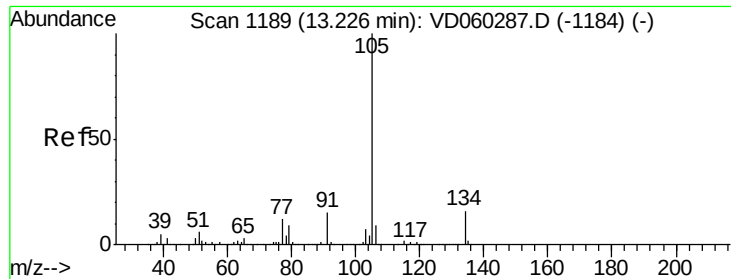
Tot Ion:119 Resp: 1157077
 Ion Ratio Lower Upper
 119 100
 91 68.6 32.7 98.1
 134 24.4 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.769 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion:105 Resp: 1026092
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.9 65.8

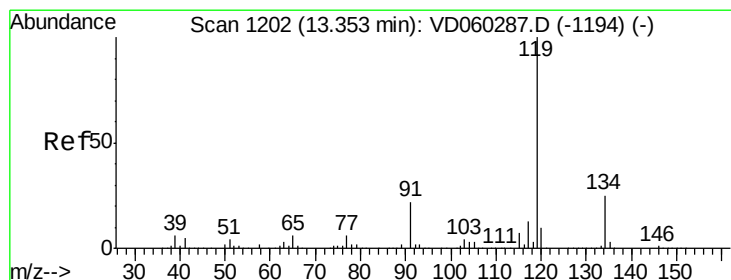
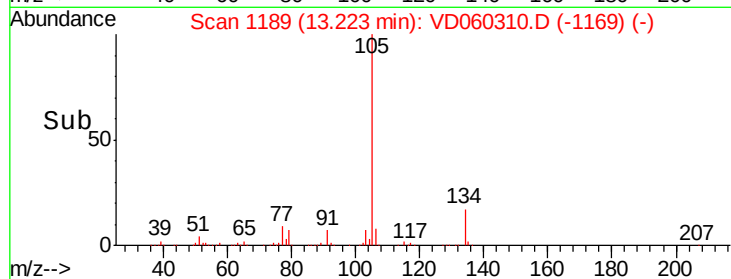
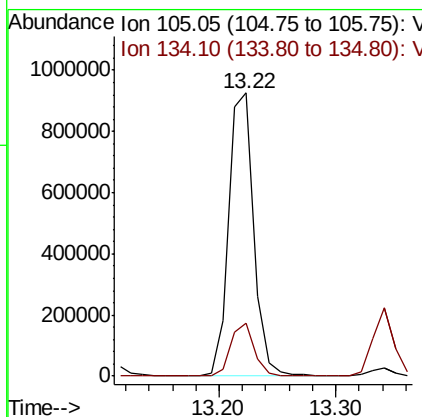
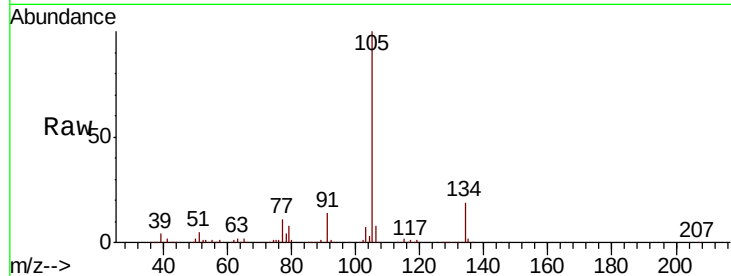




#85
 sec-Butylbenzene
 Concen: 19.386 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

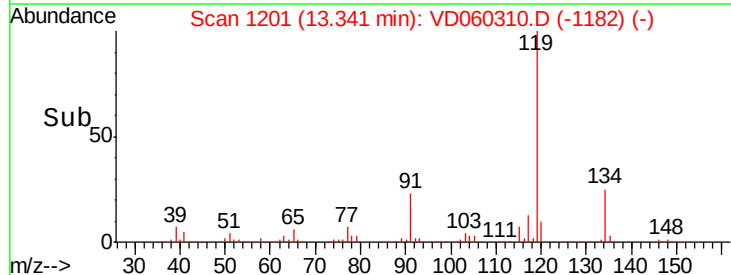
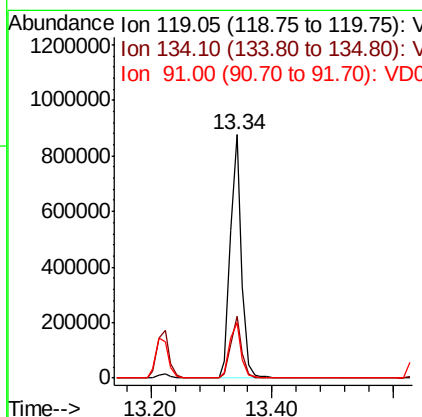
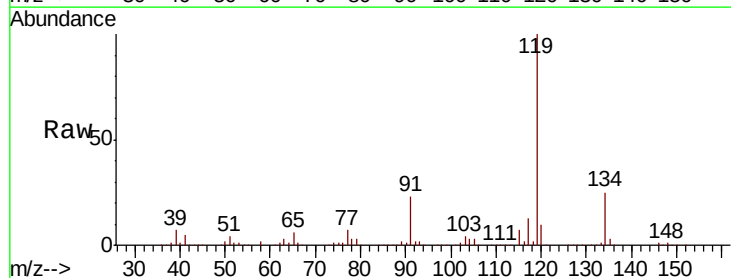
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1109SBS01

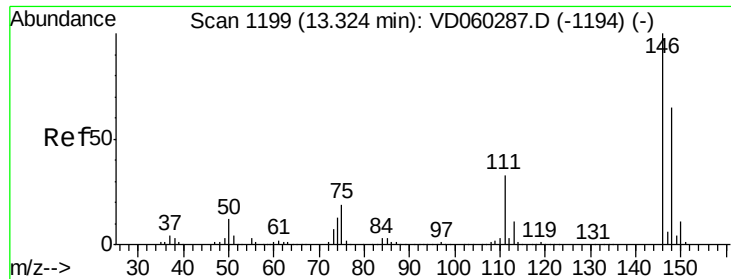
Tot Ion:105 Resp: 1372352
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 19.454 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion:119 Resp: 1108981
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.6
 91 22.9 11.3 33.8

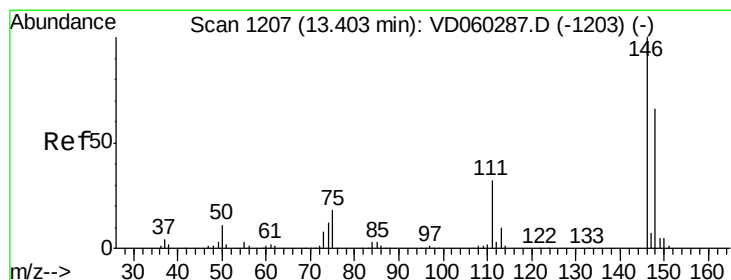
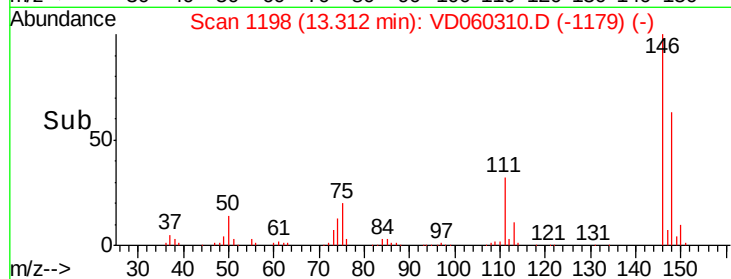
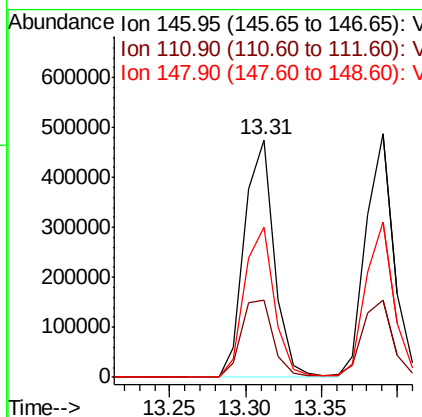
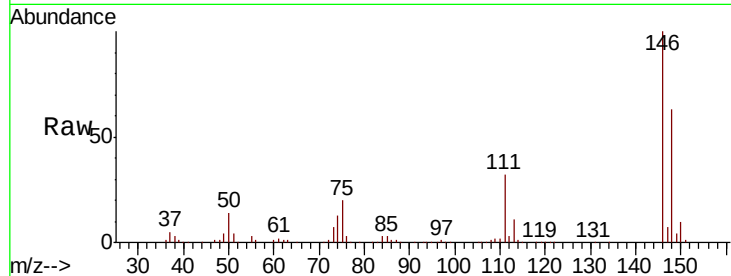




#87
 1,3-Dichlorobenzene
 Concen: 20.715 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

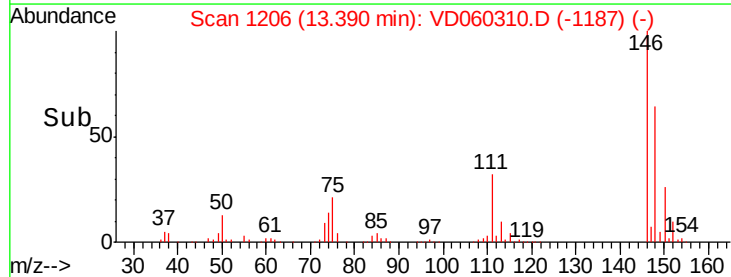
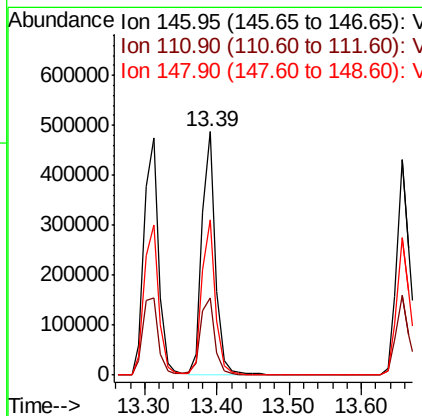
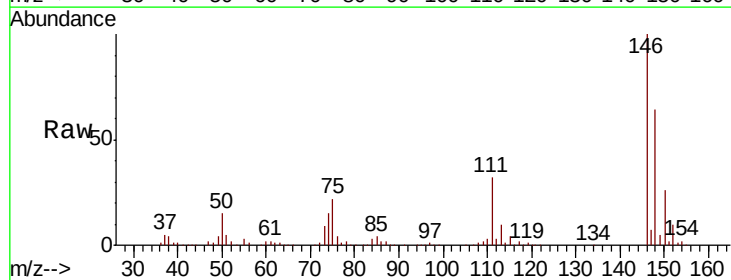
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

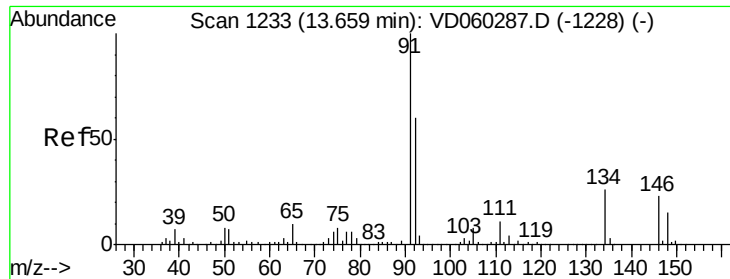
Tot Ion:146 Resp: 654671
 Ion Ratio Lower Upper
 146 100
 111 32.4 20.2 60.5
 148 63.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.534 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion:146 Resp: 633768
 Ion Ratio Lower Upper
 146 100
 111 31.7 16.0 47.9
 148 63.9 32.9 98.7

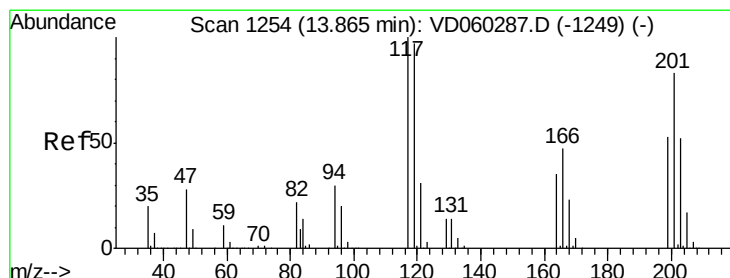
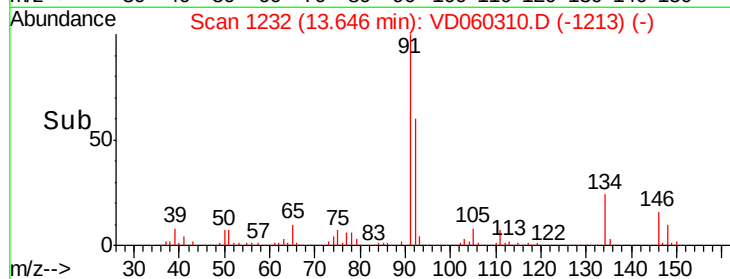
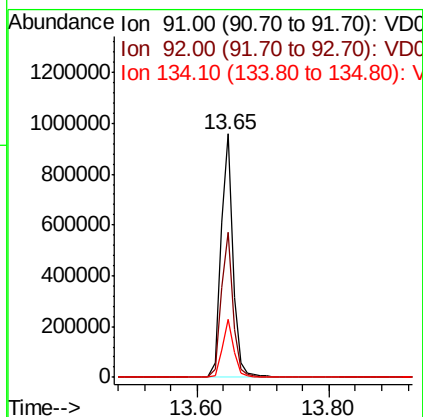
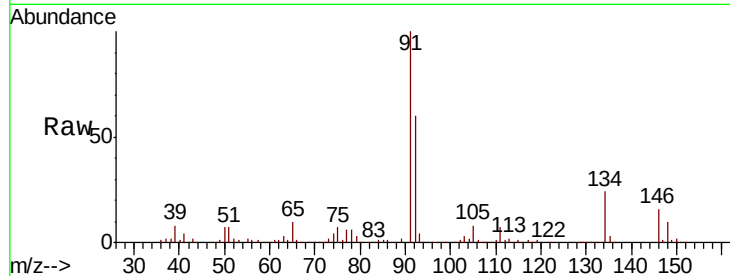




#89
n-Butylbenzene
Concen: 19.152 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

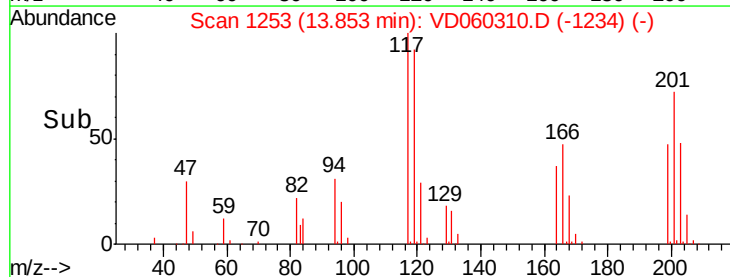
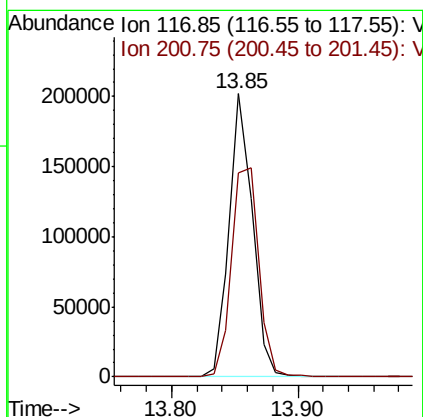
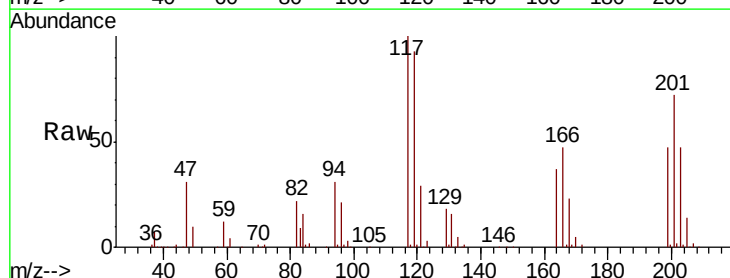
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

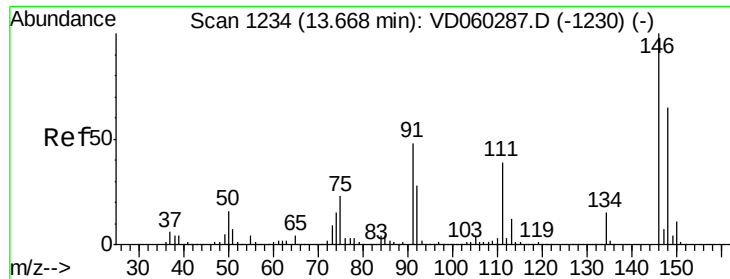
Tot Ion: 91 Resp: 1206525
Ion Ratio Lower Upper
91 100
92 59.5 30.3 90.9
134 24.0 13.0 38.9



#90
Hexachloroethane
Concen: 19.156 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion: 117 Resp: 258945
Ion Ratio Lower Upper
117 100
201 72.1 40.1 120.3

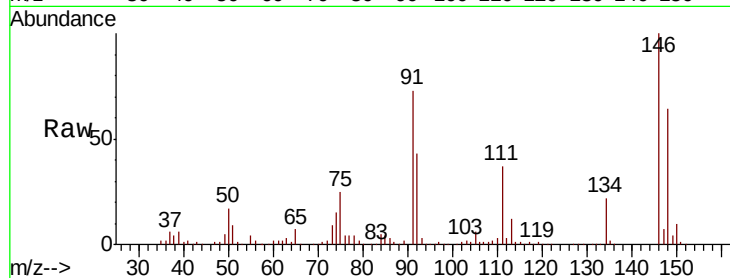




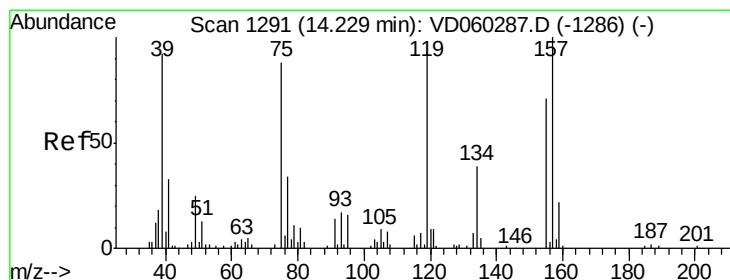
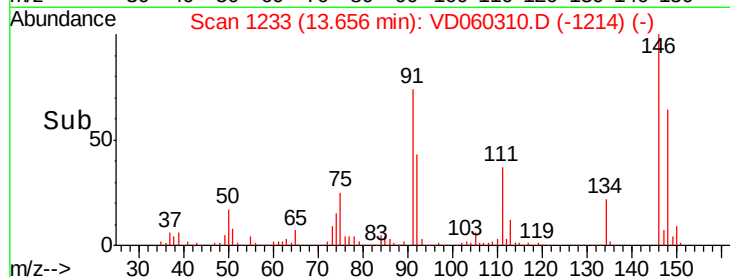
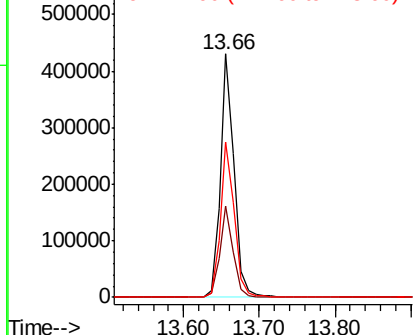
#91
 1,2-Dichlorobenzene
 Concen: 21.087 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion:146 Resp: 547370
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.9
 148 63.9 31.6 94.8

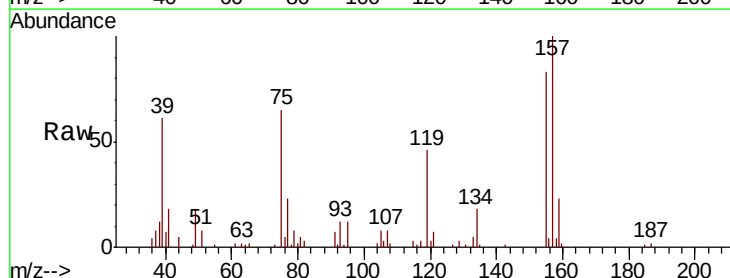


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

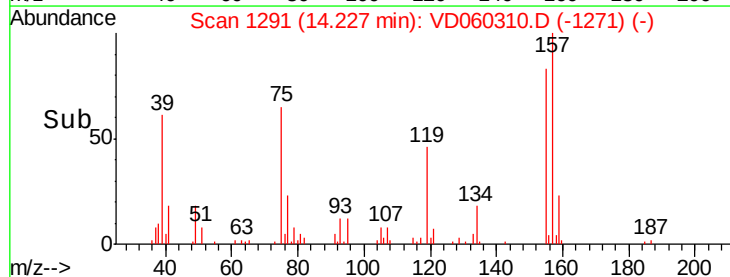
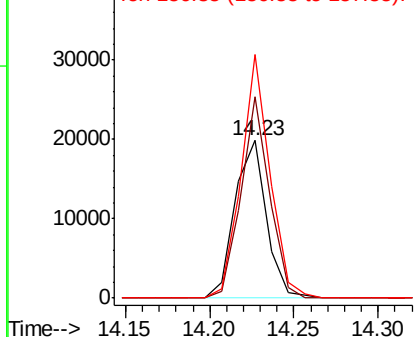


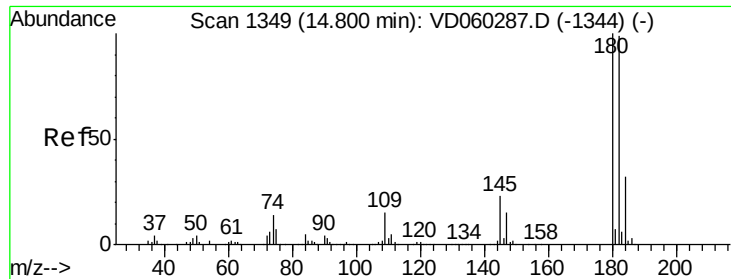
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.499 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060310.D
 Acq: 9 Nov 2018 14:05

Tgt Ion: 75 Resp: 25742
 Ion Ratio Lower Upper
 75 100
 155 128.3 64.3 192.9
 157 154.8 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

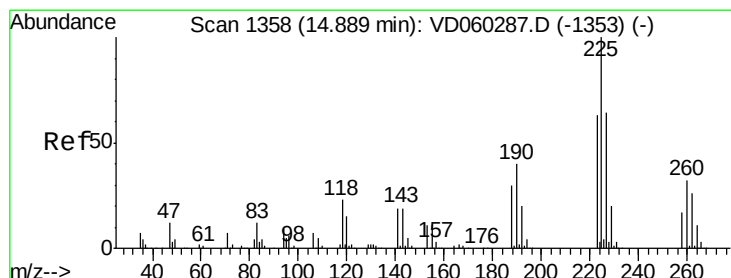
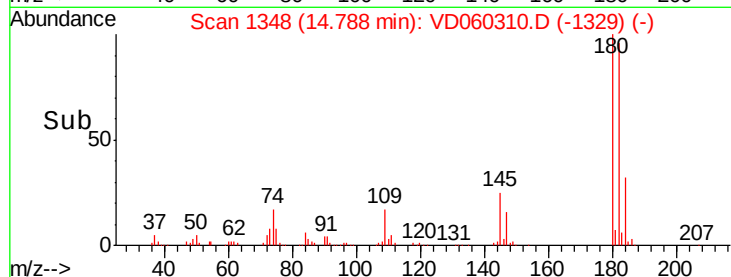
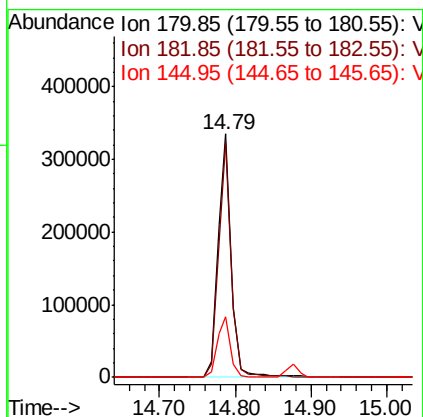
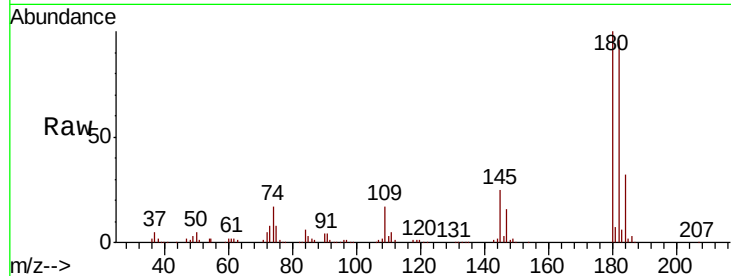




#93
1,2,4-Trichlorobenzene
Concen: 20.070 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

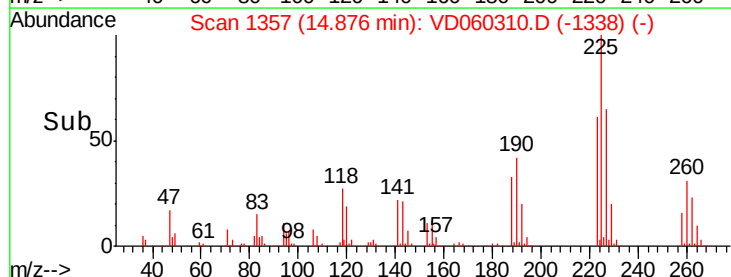
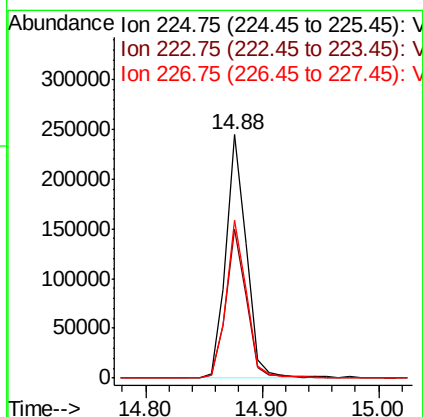
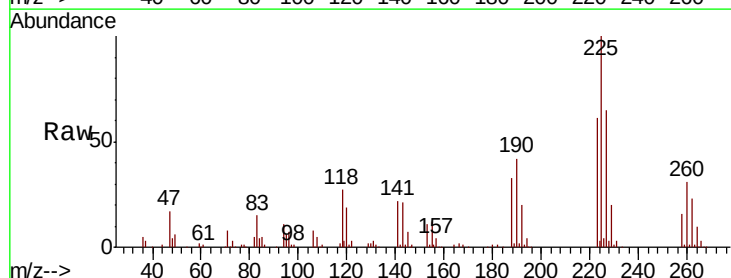
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

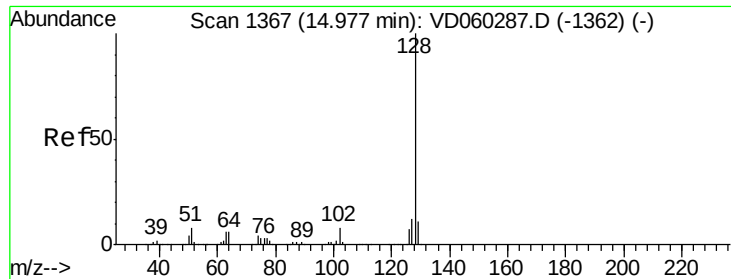
Tot Ion:180 Resp: 413059
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.4
145 24.9 11.5 34.4



#94
Hexachlorobutadiene
Concen: 19.440 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion:225 Resp: 299264
Ion Ratio Lower Upper
225 100
223 61.2 31.6 94.8
227 65.0 32.3 96.9

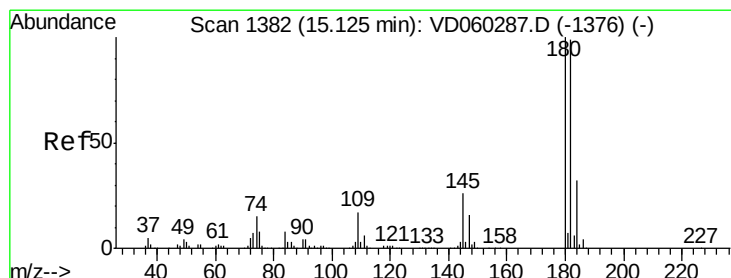
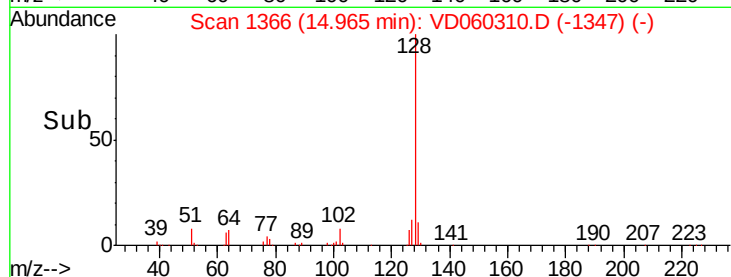
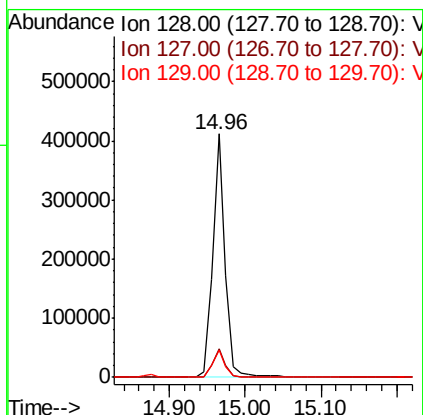
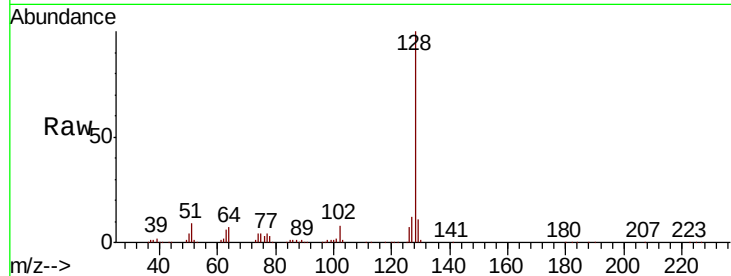




#95
Naphthalene
Concen: 18.931 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion:128 Resp: 475766
Ion Ratio Lower Upper
128 100
127 12.0 9.6 14.4
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.288 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060310.D
Acq: 9 Nov 2018 14:05

Tgt Ion:180 Resp: 318106
Ion Ratio Lower Upper
180 100
182 96.9 48.9 146.7
145 26.9 12.9 38.6

