

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060353.D
 Acq On : 13 Nov 2018 10:46
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 05:46:56 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	6.43	168	1695900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2323770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1888244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	992870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	616011	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	6.34	113	890231	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	9.48	98	2631137	51.88	ug/l	0.01
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.44	95	918794	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	680123	51.242	ug/l	99
3) Chloromethane	1.77	50	699594	43.550	ug/l	100
4) Vinyl Chloride	1.87	62	616216	46.971	ug/l	98
5) Bromomethane	2.17	94	171440	55.081	ug/l	97
6) Chloroethane	2.28	64	215806	49.577	ug/l	93
7) Trichlorofluoromethane	2.53	101	796343	51.486	ug/l	98
8) Diethyl Ether	2.85	74	137893	49.241	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.11	101	512223	50.351	ug/l	95
10) Methyl Iodide	3.27	142	621635	47.048	ug/l	99
11) Tert butyl alcohol	4.01	59	113160	226.941	ug/l #	89
12) 1,1-Dichloroethene	3.09	96	406849	49.166	ug/l	96
13) Acrolein	3.00	56	146195	248.130	ug/l	98
14) Allyl chloride	3.56	41	758788	47.924	ug/l	96
15) Acrylonitrile	4.11	53	713437	245.357	ug/l	99
16) Acetone	3.18	43	547403	259.886	ug/l	99
17) Carbon Disulfide	3.34	76	1276035	47.775	ug/l	99
18) Methyl Acetate	3.58	43	222949	49.642	ug/l	99
19) Methyl tert-butyl Ether	4.15	73	1238833	49.997	ug/l	98
20) Methylene Chloride	3.74	84	939882	50.302	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	919309	50.035	ug/l	97
22) Diisopropyl ether	4.87	45	3003827	50.781	ug/l	92
23) Vinyl Acetate	4.82	43	7477502	254.046	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1574666	51.912	ug/l	99
25) 2-Butanone	5.64	43	1127074	257.434	ug/l	99
26) 2,2-Dichloropropane	5.61	77	1248159	52.926	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	959273	50.117	ug/l	97
28) Bromochloromethane	5.95	49	652092	48.721	ug/l	94
29) Tetrahydrofuran	5.98	42	565896	245.161	ug/l	100
30) Chloroform	6.12	83	1607736	53.017	ug/l	99
31) Cyclohexane	6.39	56	1387835	47.869	ug/l	94
32) 1,1,1-Trichloroethane	6.32	97	1297893	50.811	ug/l	100
36) 1,1-Dichloropropene	6.55	75	1233097	53.711	ug/l	100
37) Ethyl Acetate	5.72	43	519961	49.219	ug/l	98
38) Carbon Tetrachloride	6.53	117	1112469	52.237	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060353.D
 Acq On : 13 Nov 2018 10:46
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 05:46:56 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)
39) Methylcyclohexane	8.06	83	1361274	51.553	ug/l	97
40) Benzene	6.81	78	3185954	54.365	ug/l	100
41) Methacrylonitrile	5.97	41	604490	49.994	ug/l	99
42) 1,2-Dichloroethane	6.91	62	807432	52.640	ug/l	96
43) Isopropyl Acetate	8.37	43	669175	50.428	ug/l #	97
44) Trichloroethene	7.77	130	957159	53.880	ug/l	97
45) 1,2-Dichloropropane	8.12	63	797357	53.950	ug/l	96
46) Dibromomethane	8.24	93	458114	52.923	ug/l	97
47) Bromodichloromethane	8.51	83	1071559	52.532	ug/l	98
48) Methyl methacrylate	8.27	41	419945	52.099	ug/l	94
49) 1,4-Dioxane	8.25	88	76606	1098.419	ug/l	100
51) 4-Methyl-2-Pentanone	9.36	43	2145192	248.373	ug/l	98
52) Toluene	9.57	92	1987114	53.083	ug/l	98
53) t-1,3-Dichloropropene	9.94	75	936806	54.355	ug/l	98
54) cis-1,3-Dichloropropene	9.13	75	1217335	55.070	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	542591	50.009	ug/l	97
56) Ethyl methacrylate	10.05	69	559828	56.118	ug/l	98
57) 1,3-Dichloropropane	10.40	76	878335	53.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	1506463	249.749	ug/l	100
59) 2-Hexanone	10.50	43	1650051	268.044	ug/l	99
60) Dibromochloromethane	10.66	129	725675	55.021	ug/l	97
61) 1,2-Dibromoethane	10.78	107	558981	51.420	ug/l	100
64) Tetrachloroethene	10.28	164	879174	52.155	ug/l	95
65) Chlorobenzene	11.33	112	2085245	50.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	705873	52.731	ug/l	96
67) Ethyl Benzene	11.45	91	3578582	51.132	ug/l	99
68) m/p-Xylenes	11.59	106	2682723	103.912	ug/l	98
69) o-Xylene	11.95	106	1252492	50.217	ug/l	97
70) Styrene	11.97	104	2050453	50.869	ug/l	96
71) Bromoform	12.13	173	476818	53.008	ug/l	97
73) Isopropylbenzene	12.29	105	3622587	50.079	ug/l	98
74) N-amyl acetate	12.15	43	879612	47.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	567263	47.949	ug/l	97
76) 1,2,3-Trichloropropane	12.61	75	582847	49.073	ug/l	99
77) Bromobenzene	12.56	156	956331	49.770	ug/l	88
78) n-propylbenzene	12.65	91	4436778	49.139	ug/l	97
79) 2-Chlorotoluene	12.72	91	2434987	49.240	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	2773576	49.336	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	173988	51.455	ug/l	99
82) 4-Chlorotoluene	12.83	91	2764505	49.766	ug/l	92
83) tert-Butylbenzene	13.06	119	3139119	50.295	ug/l	96
84) 1,2,4-Trimethylbenzene	13.11	105	2694769	47.997	ug/l	95
85) sec-Butylbenzene	13.24	105	3683213	48.100	ug/l	94
86) p-Isopropyltoluene	13.36	119	3053072	49.510	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	1696246	49.618	ug/l	96
88) 1,4-Dichlorobenzene	13.41	146	1664854	49.865	ug/l	97
89) n-Butylbenzene	13.66	91	2930378	48.579	ug/l	99
90) Hexachloroethane	13.87	117	768514	52.558	ug/l	92
91) 1,2-Dichlorobenzene	13.67	146	1350508	48.096	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	71979	50.403	ug/l	95

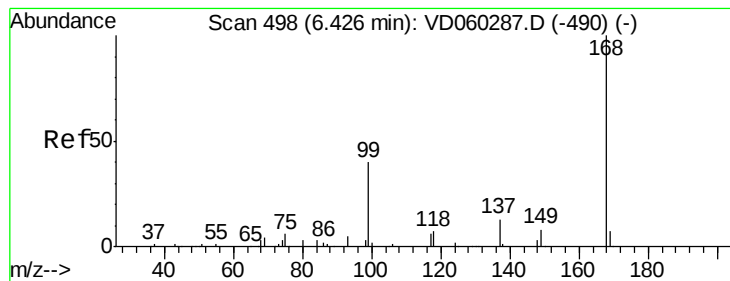
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111318\
Data File : VD060353.D
Acq On : 13 Nov 2018 10:46
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 14 05:46:56 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.80	180	1121516	50.375	ug/l	99
94) Hexachlorobutadiene	14.89	225	832278	49.980	ug/l	99
95) Naphthalene	14.98	128	1320938	48.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	870032	48.768	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

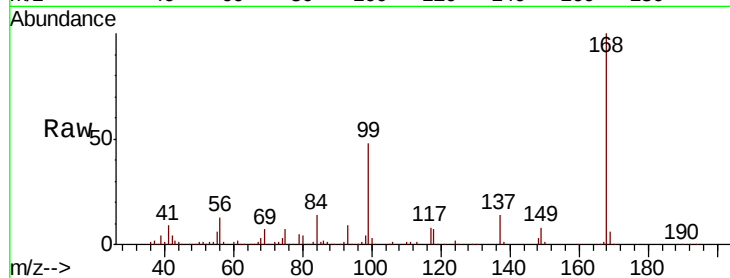
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1695900

Ion Ratio Lower Upper

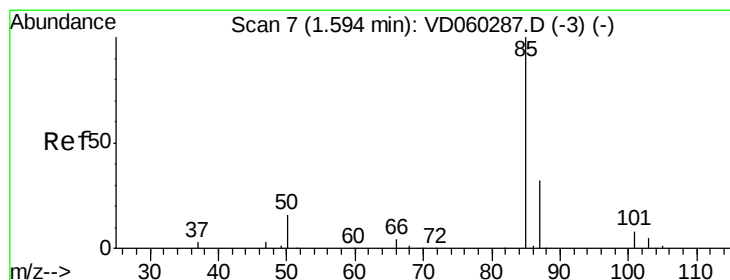
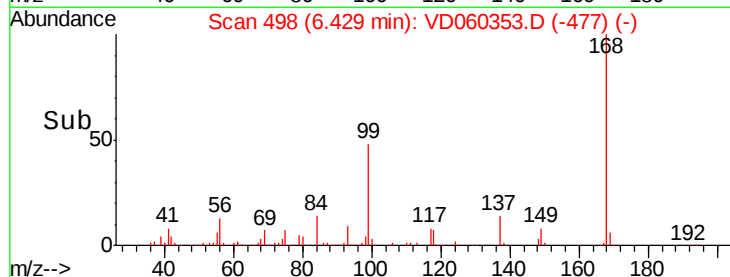
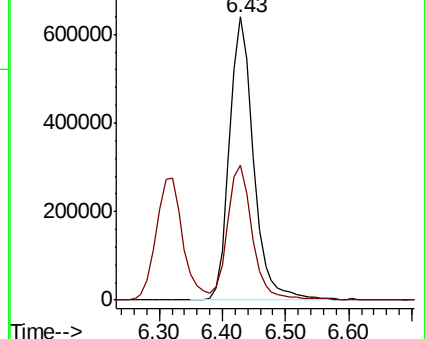
168 100

99 47.8 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: 51.242 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060353.D

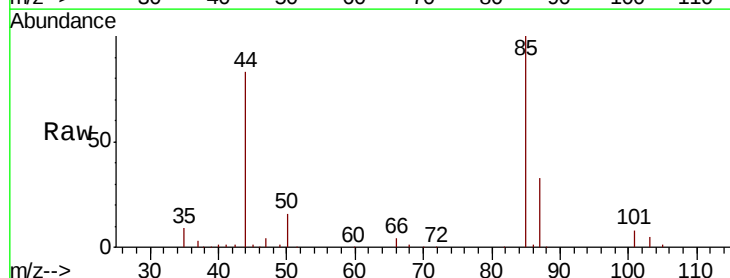
Acq: 13 Nov 2018 10:46

Tgt Ion: 85 Resp: 680123

Ion Ratio Lower Upper

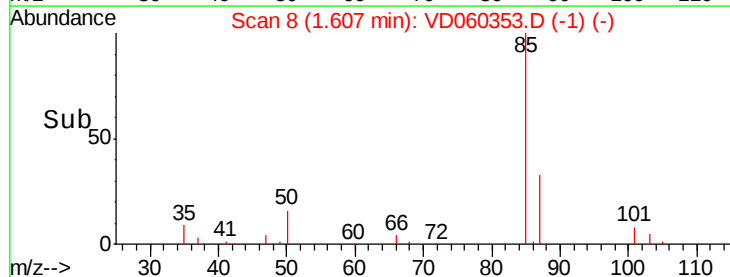
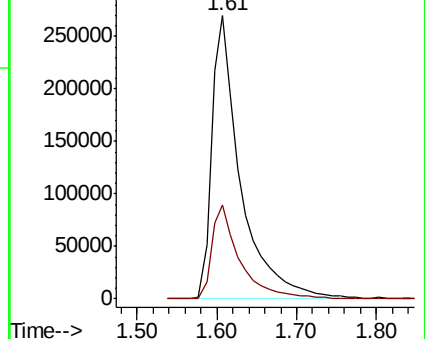
85 100

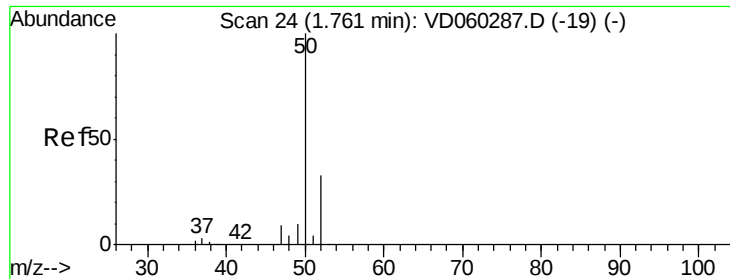
87 33.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.550 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

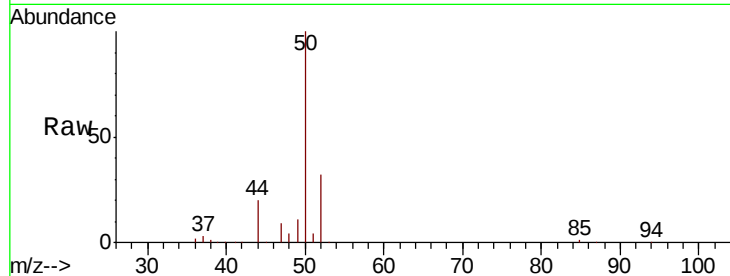
ClientSampled :

Tot Ion: 50 Resp: 699594

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

250000

200000

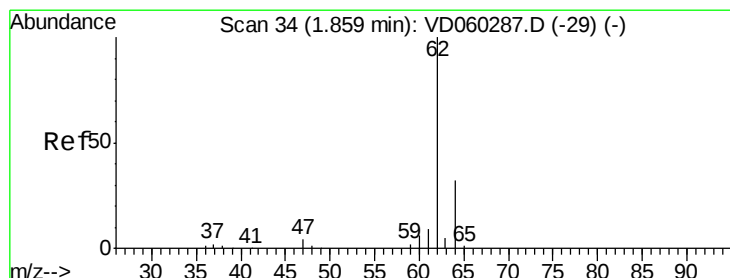
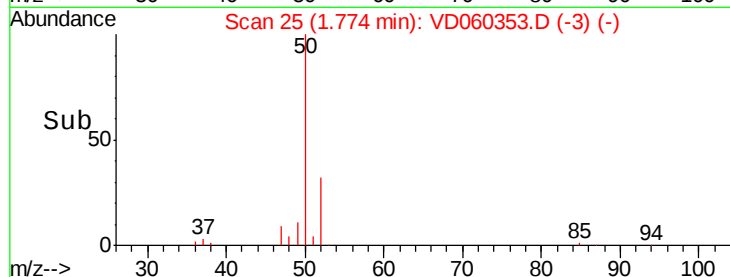
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.971 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060353.D

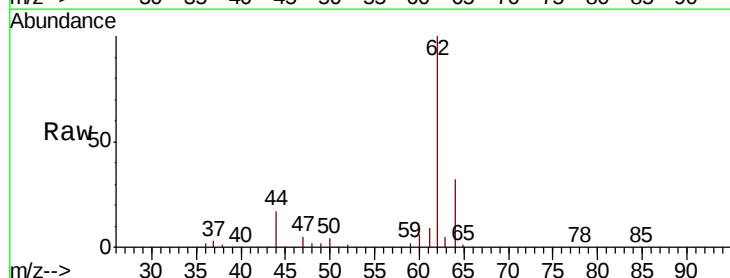
Acq: 13 Nov 2018 10:46

Tgt Ion: 62 Resp: 616216

Ion Ratio Lower Upper

62 100

64 32.3 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

300000

250000

200000

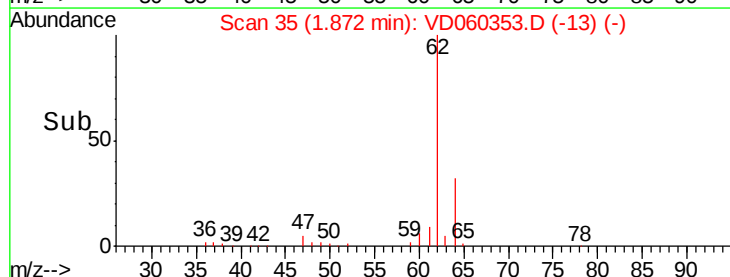
150000

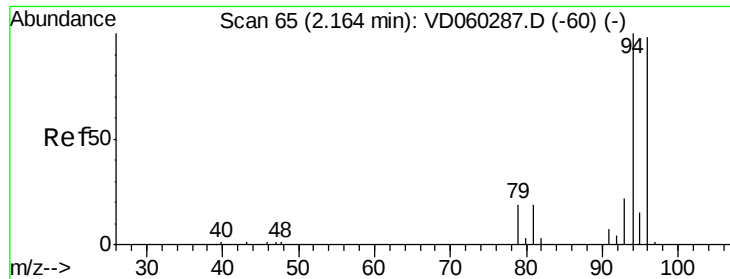
100000

50000

0

Time-->





#5

Bromomethane

Concen: 55.081 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

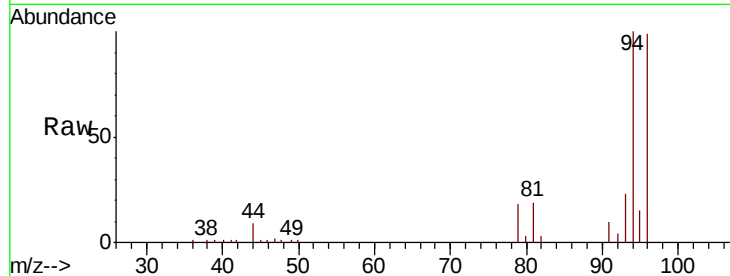
ClientSampleId :

Tot Ion: 94 Resp: 171440

Ion Ratio Lower Upper

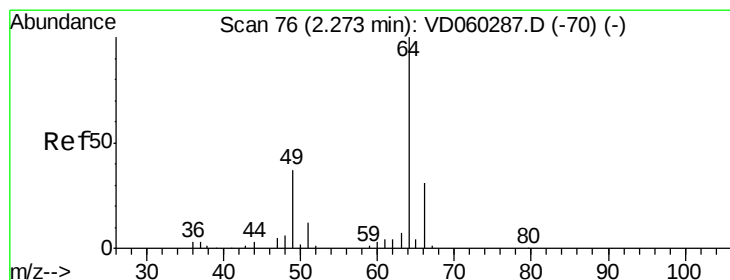
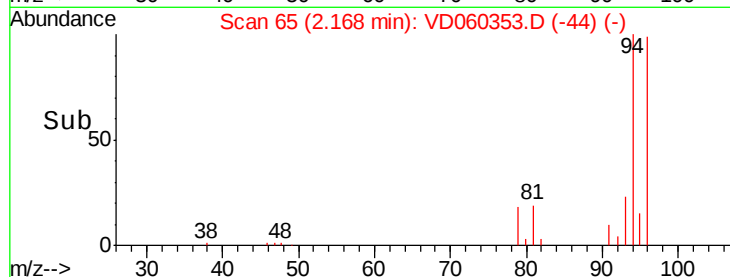
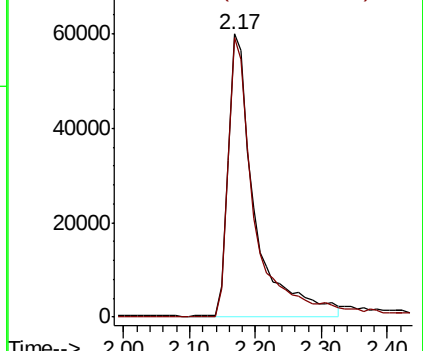
94 100

96 98.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.577 ug/l

RT: 2.28 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060353.D

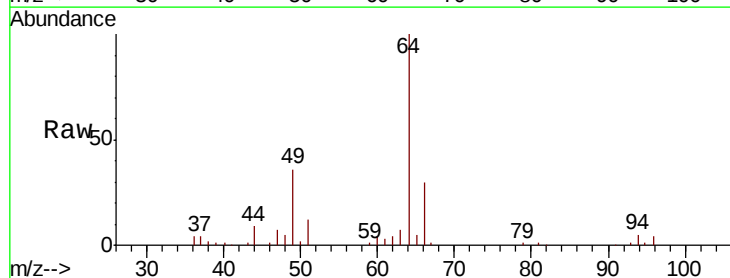
Acq: 13 Nov 2018 10:46

Tgt Ion: 64 Resp: 215806

Ion Ratio Lower Upper

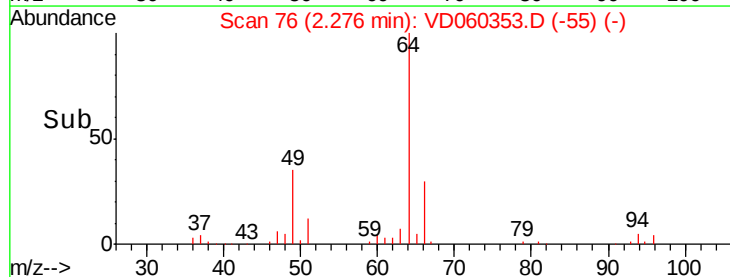
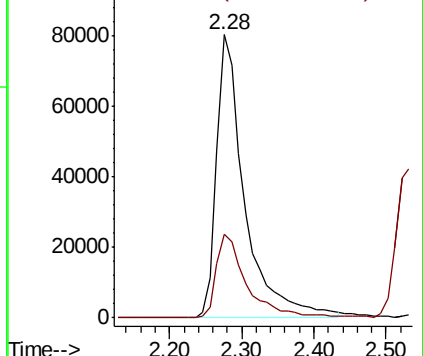
64 100

66 29.6 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



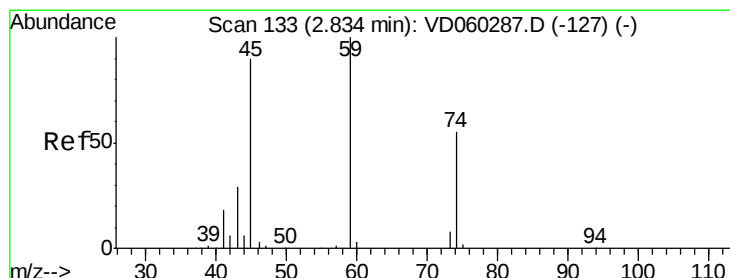
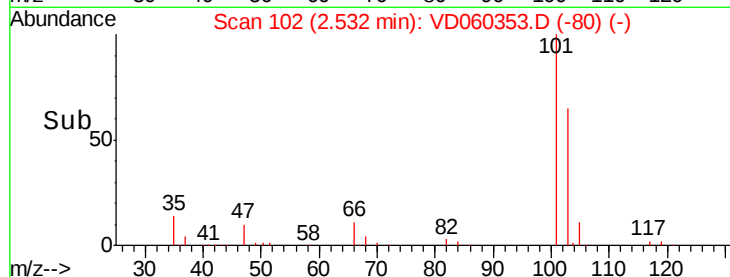
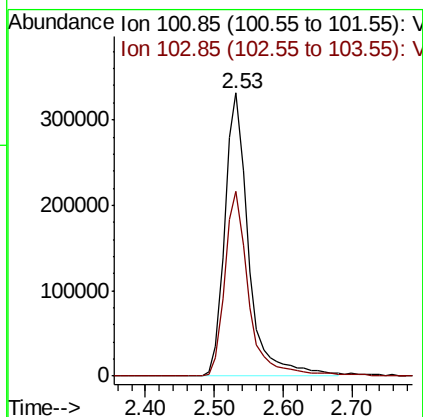
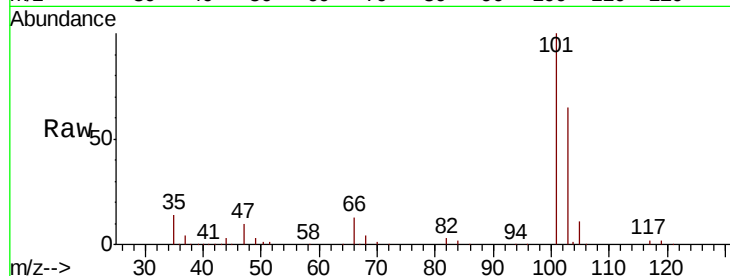


#7

Trichlorofluoromethane
 Concen: 51.486 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

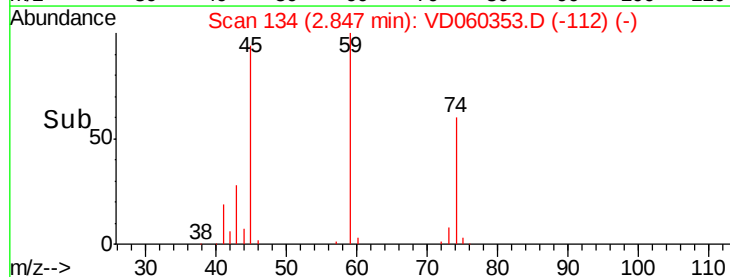
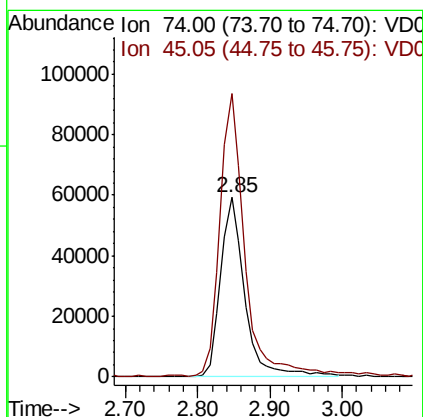
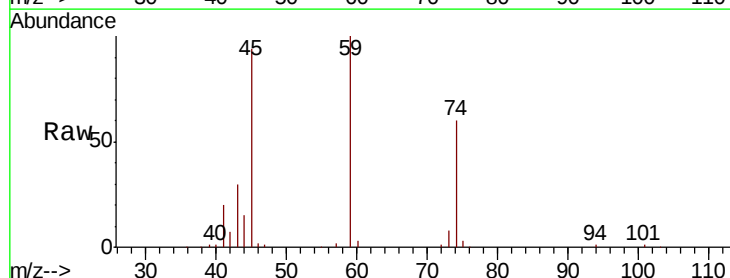
Tot Ion:101 Resp: 796343
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.6 80.4



#8

Diethyl Ether
 Concen: 49.241 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion: 74 Resp: 137893
 Ion Ratio Lower Upper
 74 100
 45 158.0 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.351 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

ClientSampled :

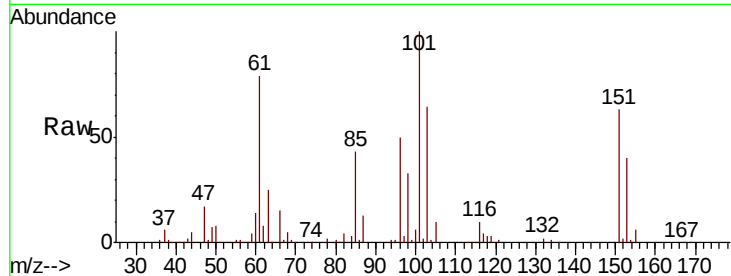
Tot Ion:101 Resp: 512223

Ion Ratio Lower Upper

101 100

85 42.7 31.4 47.0

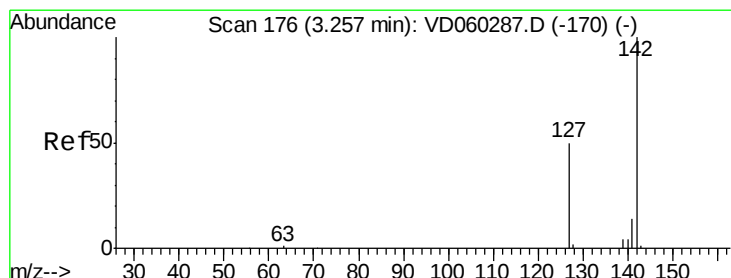
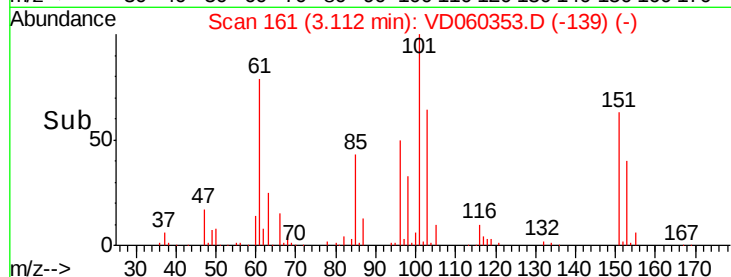
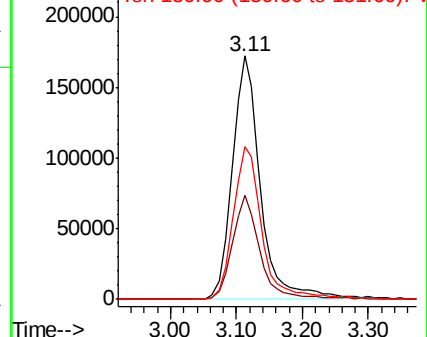
151 63.0 47.4 71.0



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: 47.048 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

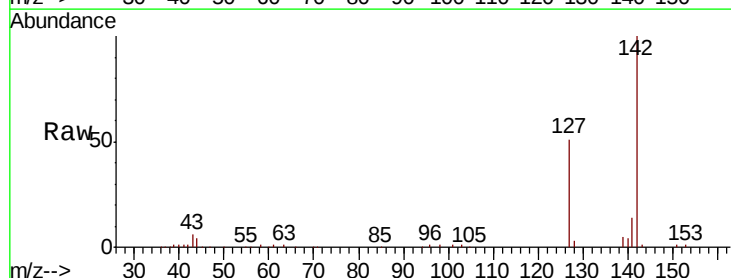
Tgt Ion:142 Resp: 621635

Ion Ratio Lower Upper

142 100

127 50.9 41.0 61.6

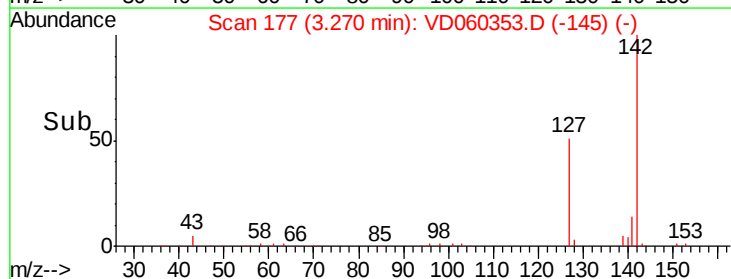
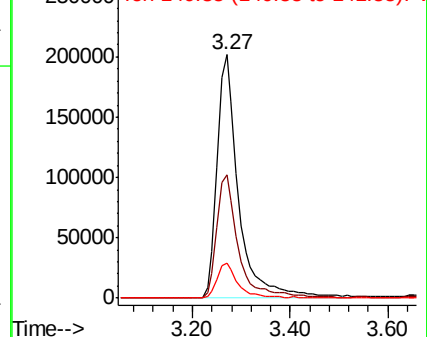
141 14.4 11.9 17.9

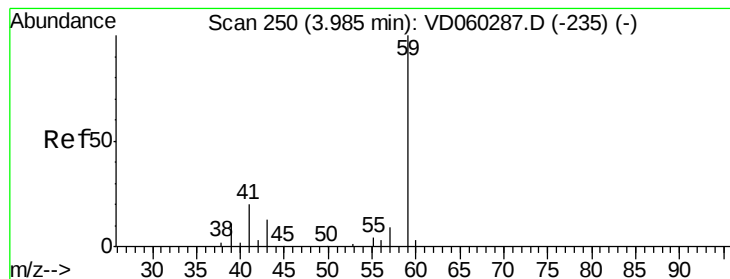


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



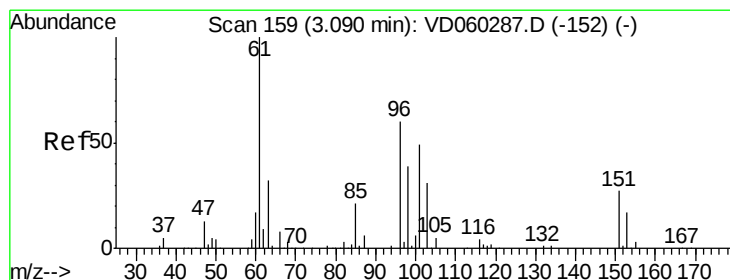
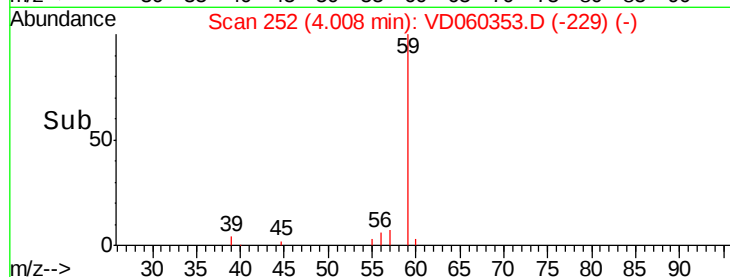
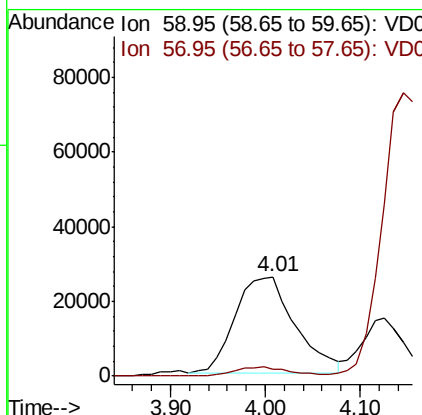
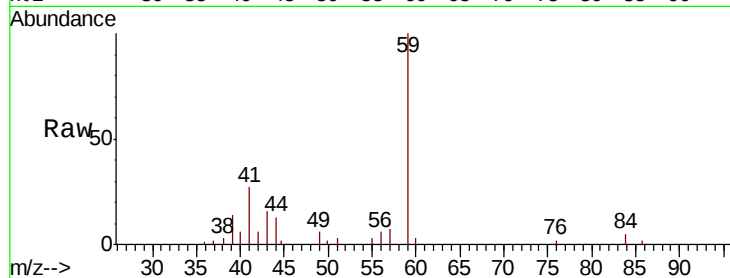


#11

Tert butyl alcohol
 Concen: 226.941 ug/l
 RT: 4.01 min Scan# 252
 Delta R.T. 0.02 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampled :

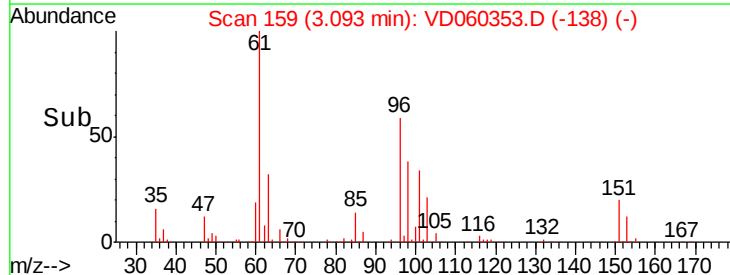
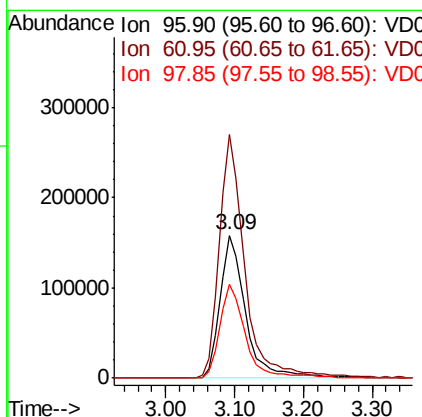
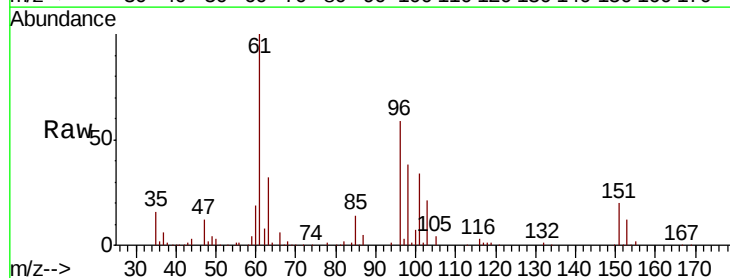
Tot Ion: 59 Resp: 113160
 Ion Ratio Lower Upper
 59 100
 57 7.3 9.3 13.9#

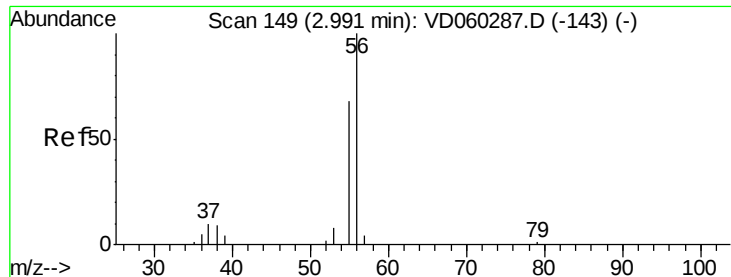


#12

1,1-Dichloroethene
 Concen: 49.166 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion: 96 Resp: 406849
 Ion Ratio Lower Upper
 96 100
 61 170.5 142.2 213.4
 98 65.6 52.6 79.0





#13

Acrolein

Concen: 248.130 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

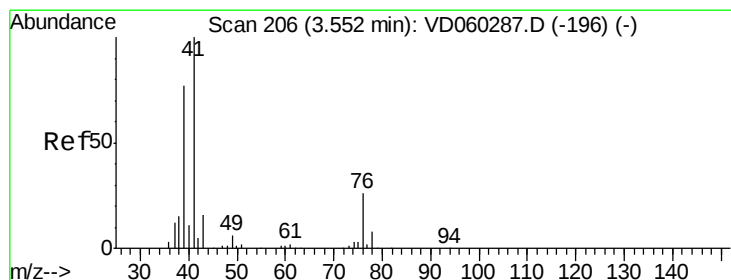
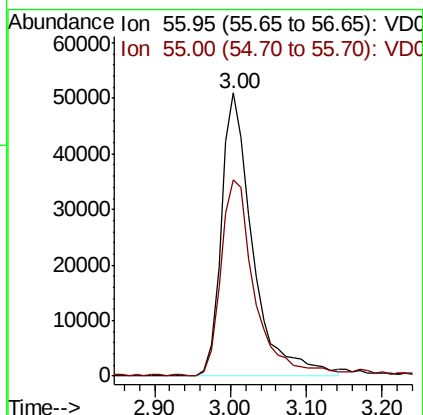
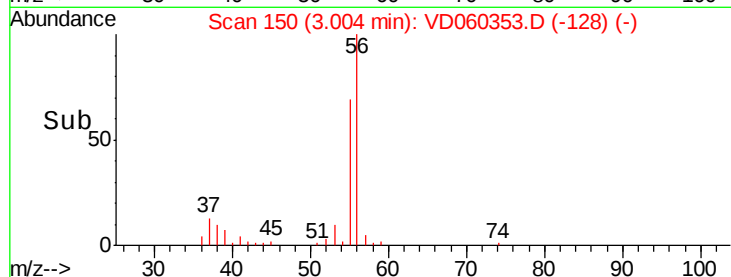
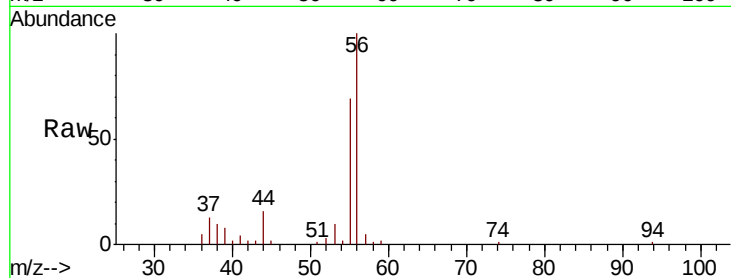
ClientSampled :

Tot Ion: 56 Resp: 146195

Ion Ratio Lower Upper

56 100

55 69.4 57.0 85.6



#14

Allyl chloride

Concen: 47.924 ug/l

RT: 3.56 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

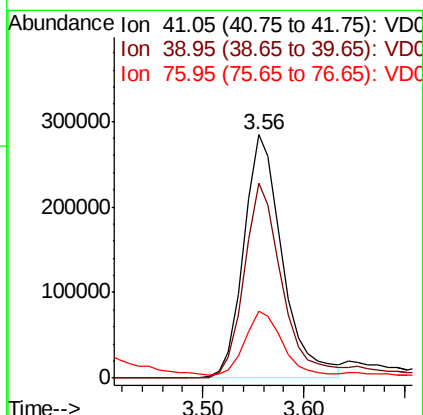
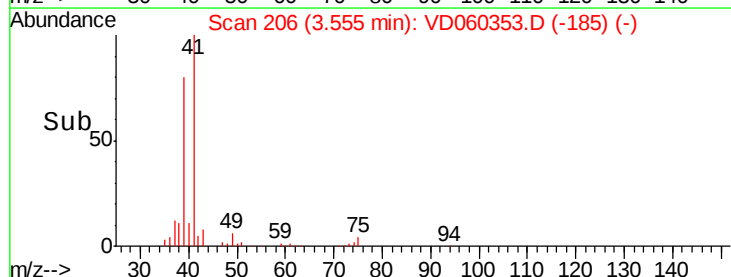
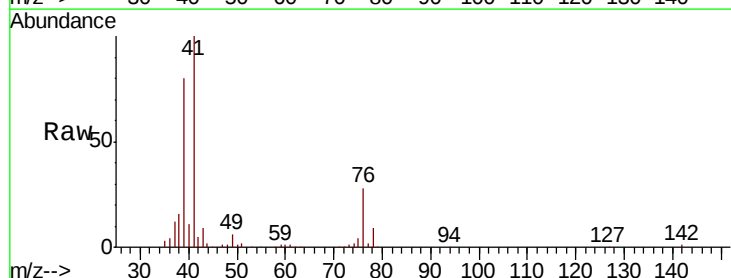
Tgt Ion: 41 Resp: 758788

Ion Ratio Lower Upper

41 100

39 80.3 60.4 90.6

76 27.7 21.8 32.8





#15

Acrylonitrile

Concen: 245.357 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleID :

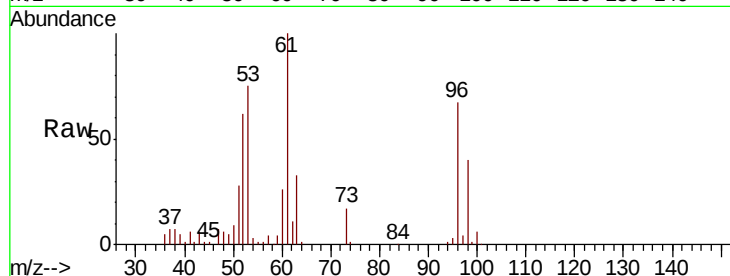
Tot Ion: 53 Resp: 713437

Ion Ratio Lower Upper

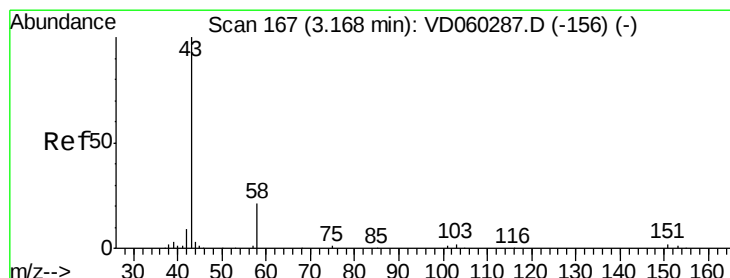
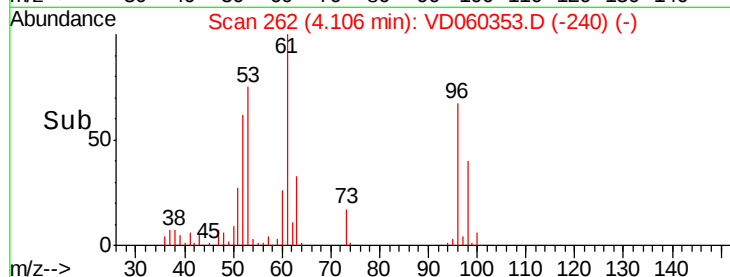
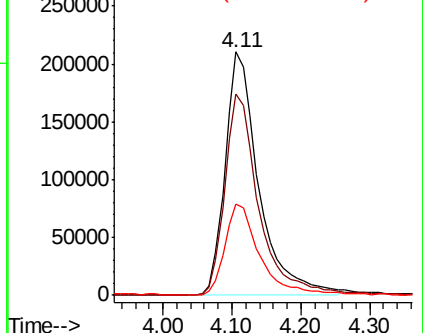
53 100

52 82.7 67.0 100.4

51 37.3 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: 259.886 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060353.D

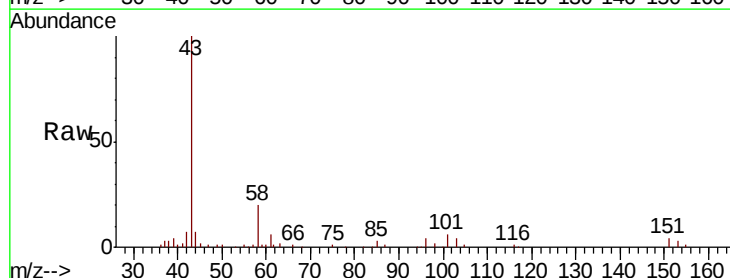
Acq: 13 Nov 2018 10:46

Tgt Ion: 43 Resp: 547403

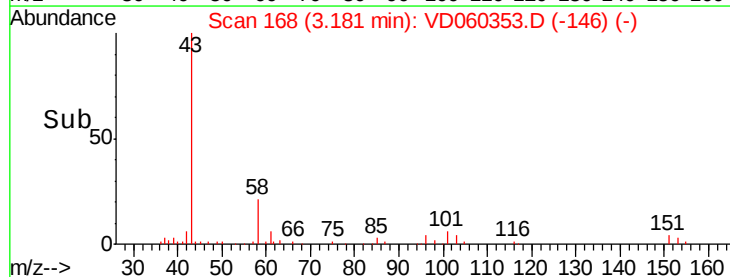
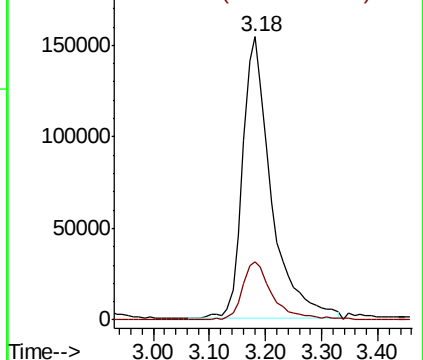
Ion Ratio Lower Upper

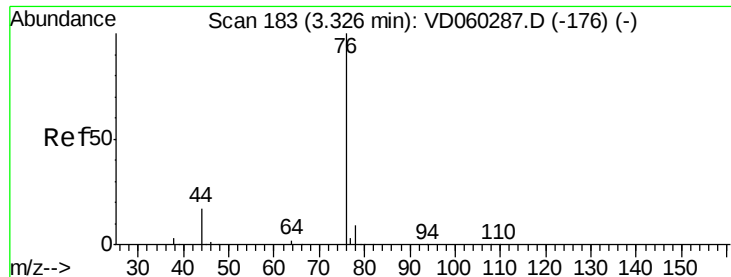
43 100

58 20.5 16.9 25.3



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

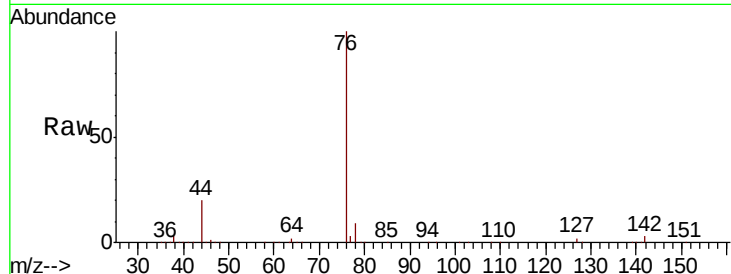




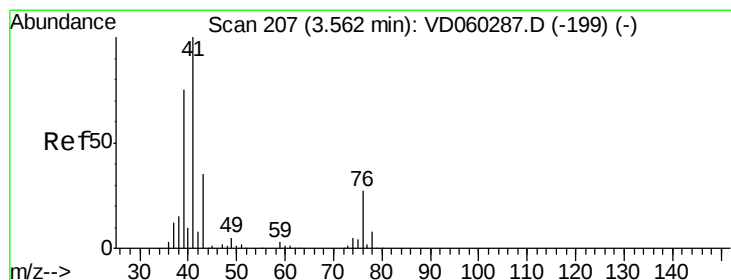
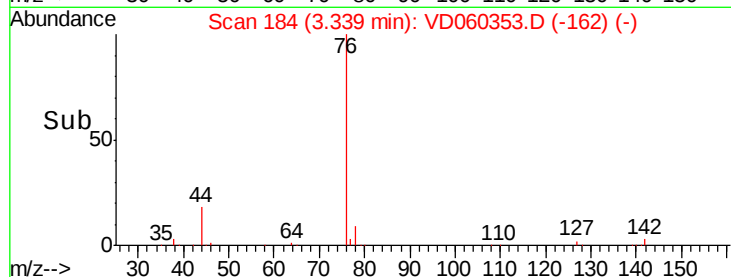
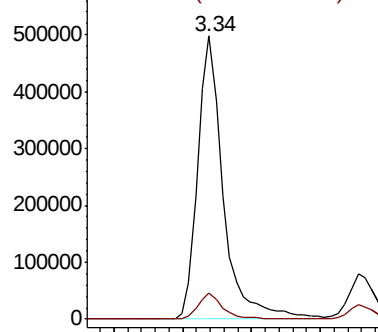
#17
Carbon Disulfide
Concen: 47.775 ug/l
RT: 3.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 1276035
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

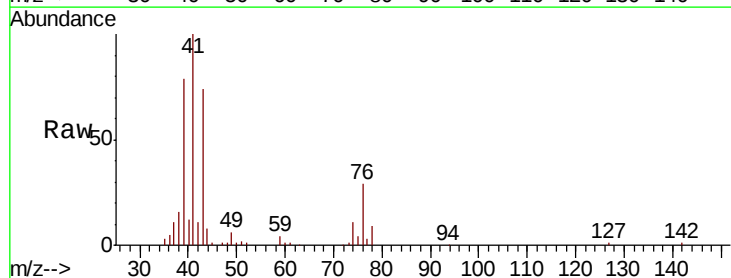


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

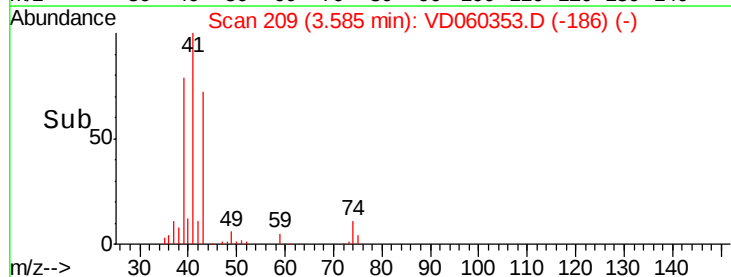
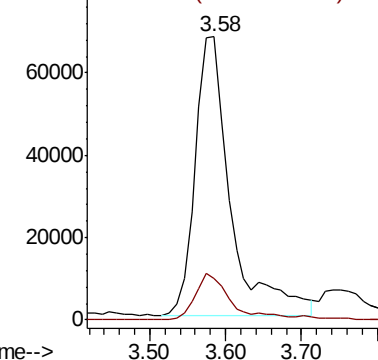


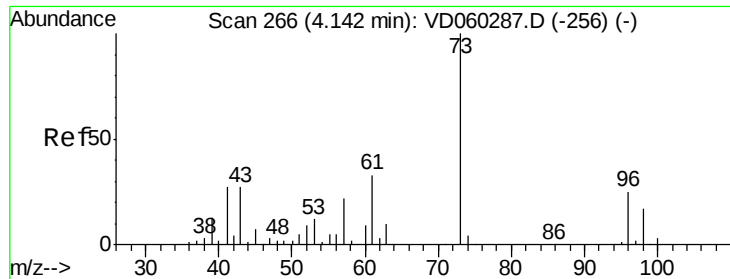
#18
Methyl Acetate
Concen: 49.642 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 43 Resp: 222949
Ion Ratio Lower Upper
43 100
74 14.9 12.4 18.6



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

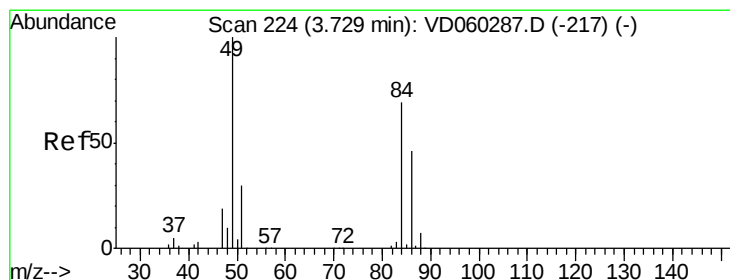
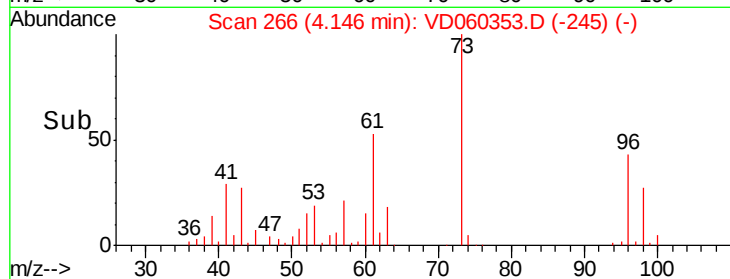
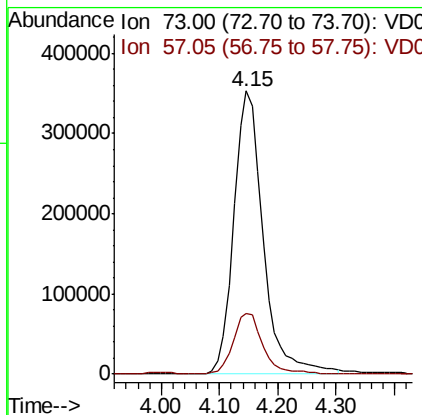
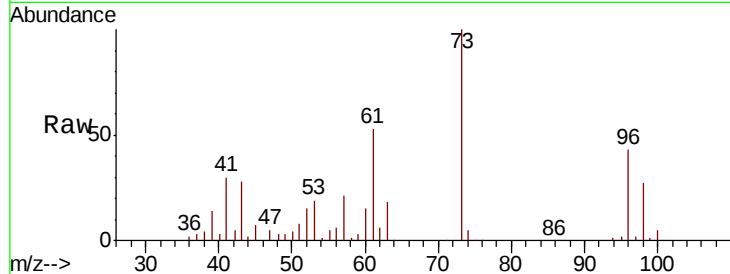




#19
Methyl tert-butyl Ether
Concen: 49.997 ug/l
RT: 4.15 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

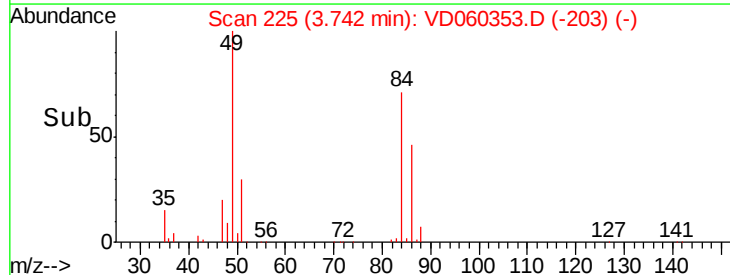
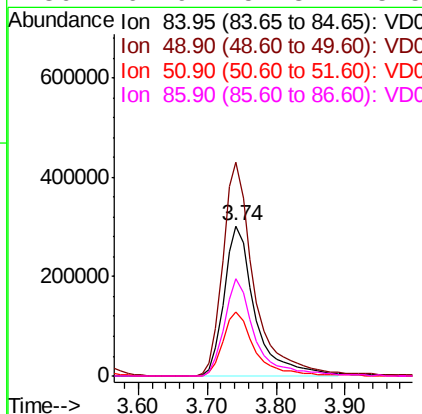
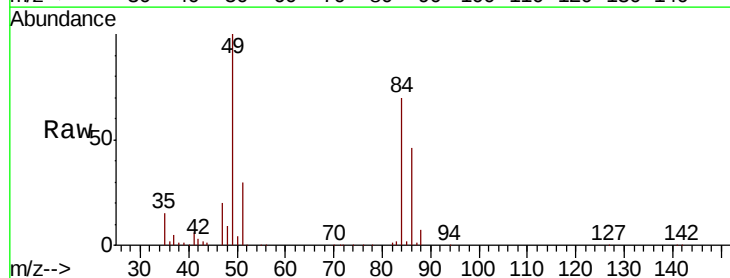
Instrument :
MSVOA_D
ClientSampled :

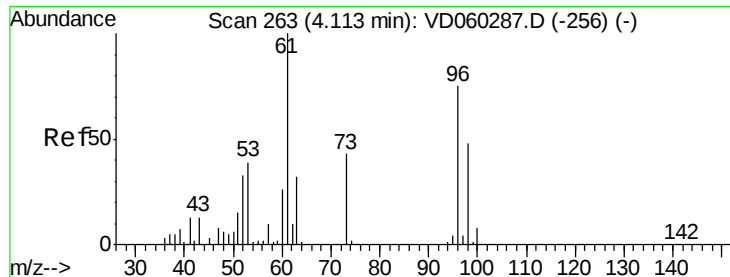
Tot Ion: 73 Resp: 1238833
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1



#20
Methylene Chloride
Concen: 50.302 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 84 Resp: 939882
Ion Ratio Lower Upper
84 100
49 142.4 115.6 173.4
51 42.7 35.6 53.4
86 64.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.035 ug/l

RT: 4.13 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampled :

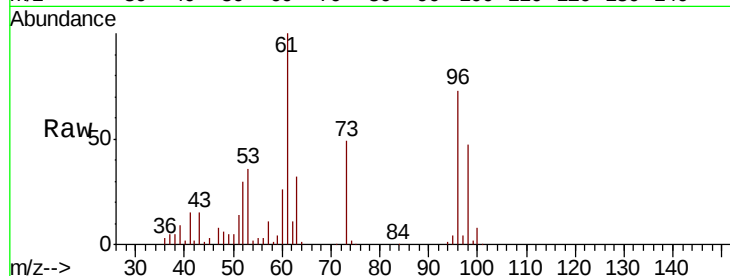
Tot Ion: 96 Resp: 919309

Ion Ratio Lower Upper

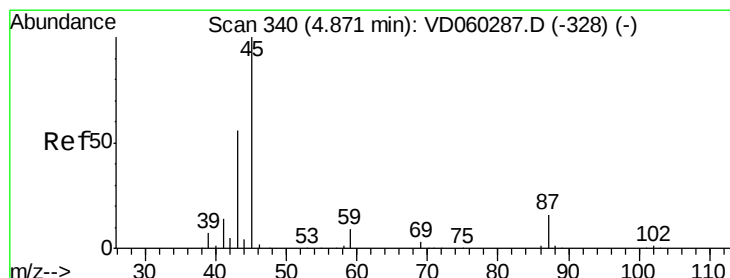
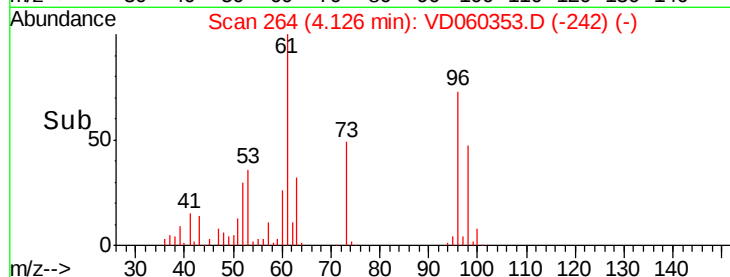
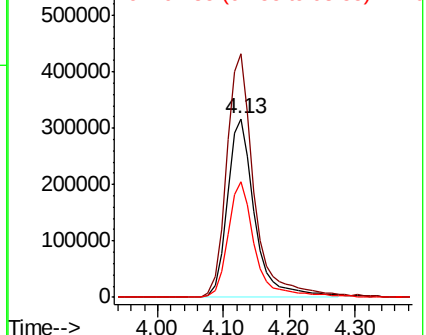
96 100

61 136.5 105.8 158.6

98 64.6 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: 50.781 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Tgt Ion: 45 Resp: 3003827

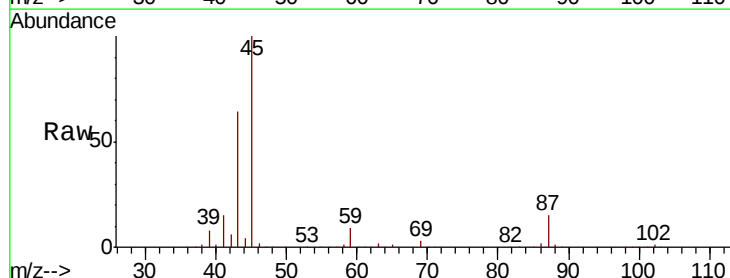
Ion Ratio Lower Upper

45 100

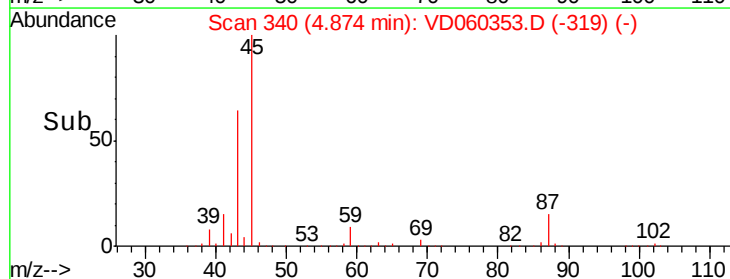
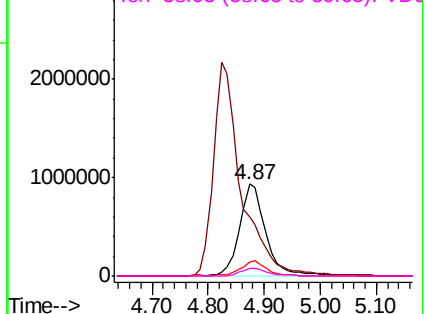
43 64.1 44.9 67.3

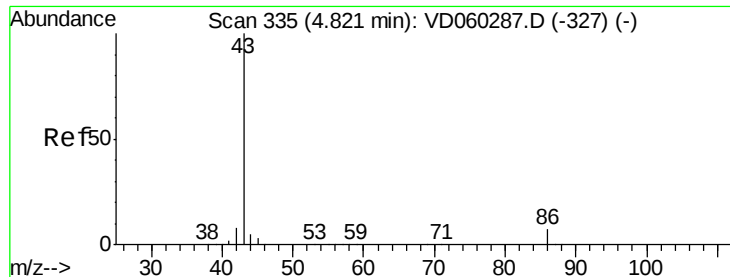
87 15.5 13.9 20.9

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: 254.046 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

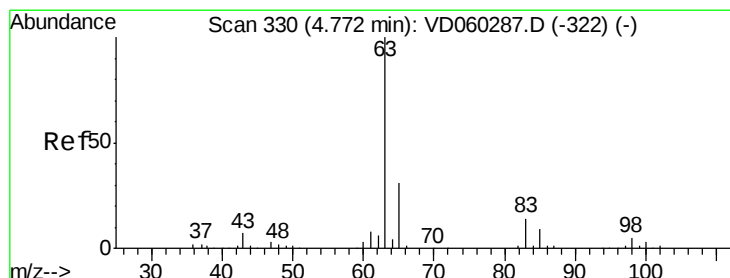
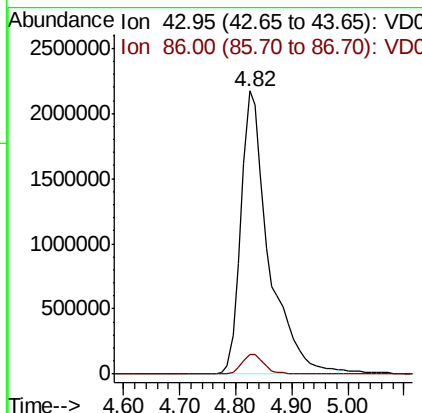
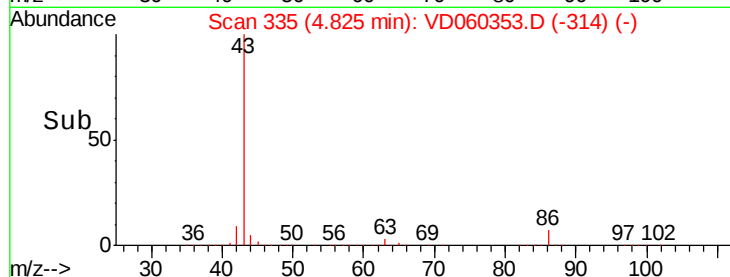
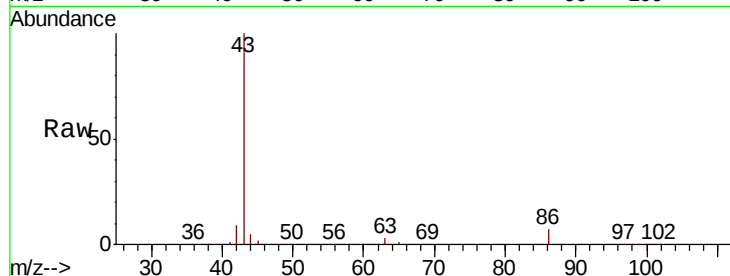
ClientSampled :

Tot Ion: 43 Resp: 7477502

Ion Ratio Lower Upper

43 100

86 6.8 5.7 8.5



#24

1,1-Dichloroethane

Concen: 51.912 ug/l

RT: 4.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

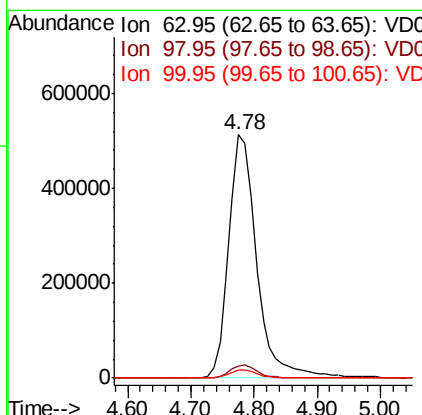
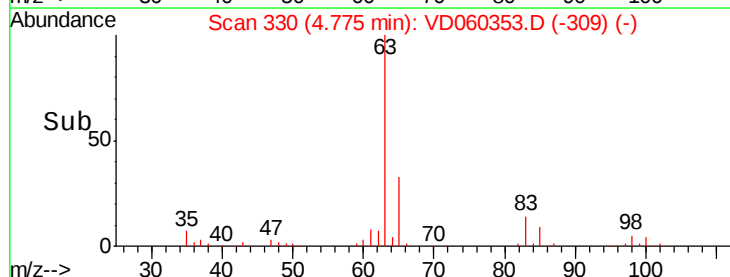
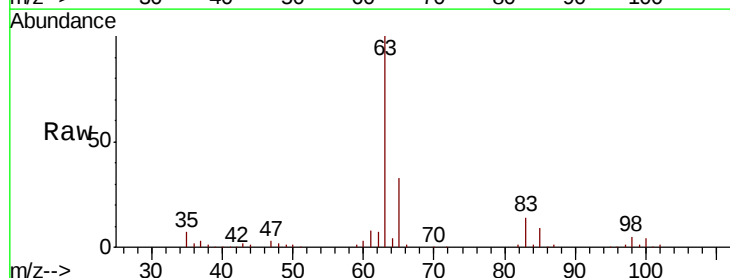
Tgt Ion: 63 Resp: 1574666

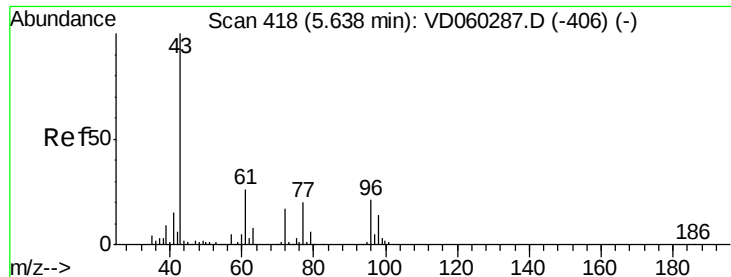
Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 257.434 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

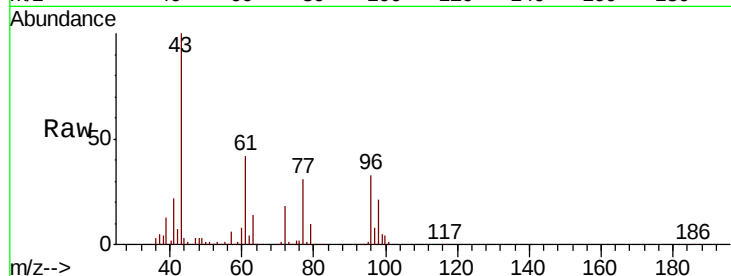
ClientSampleId :

Tot Ion: 43 Resp: 1127074

Ion Ratio Lower Upper

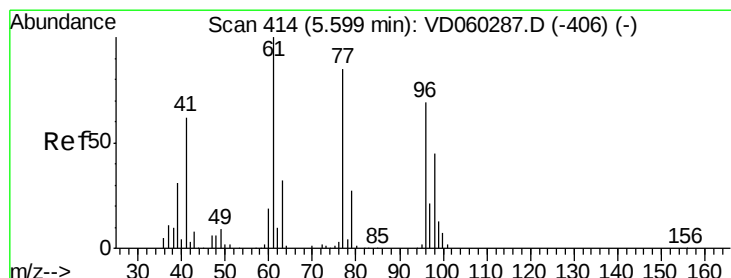
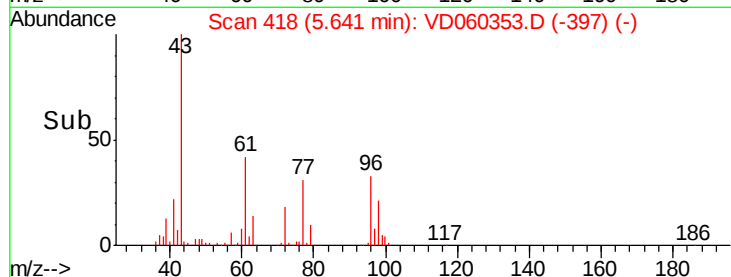
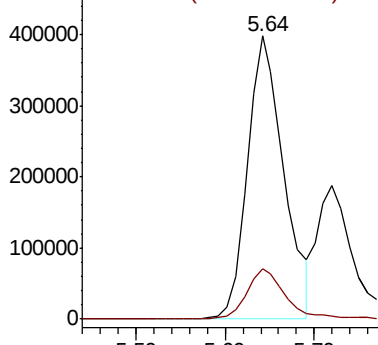
43 100

72 17.9 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: 52.926 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060353.D

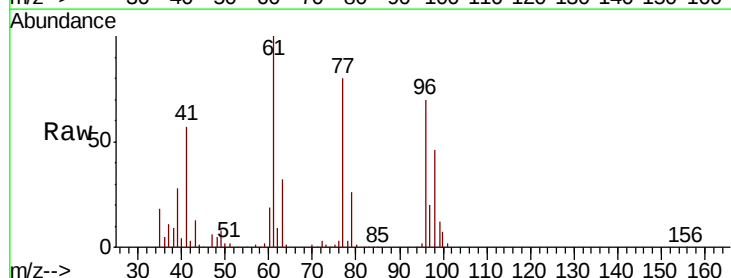
Acq: 13 Nov 2018 10:46

Tgt Ion: 77 Resp: 1248159

Ion Ratio Lower Upper

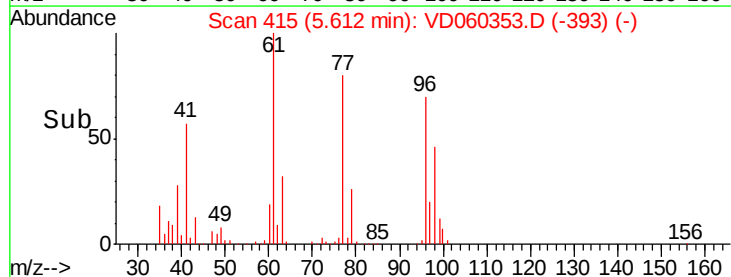
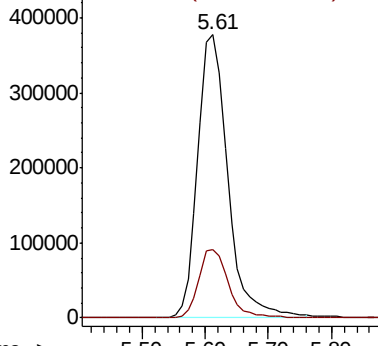
77 100

97 24.4 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



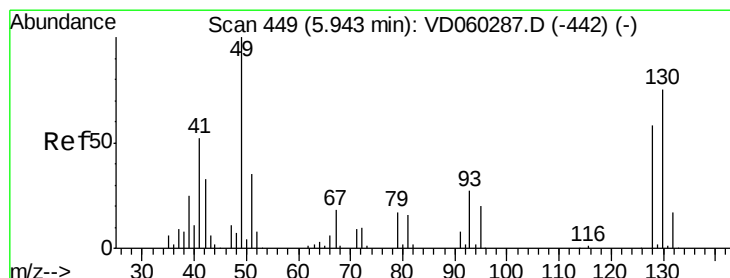
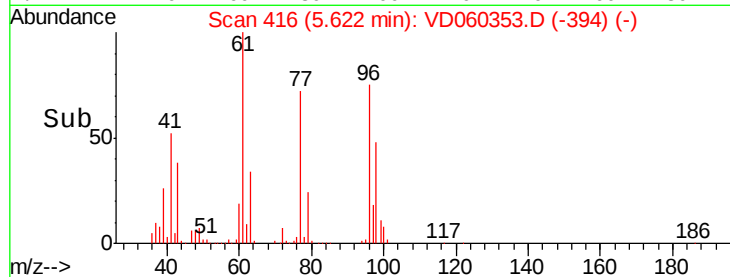
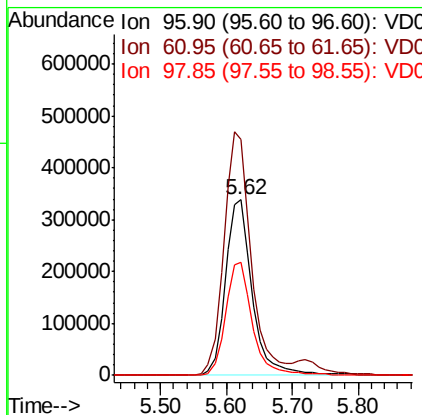
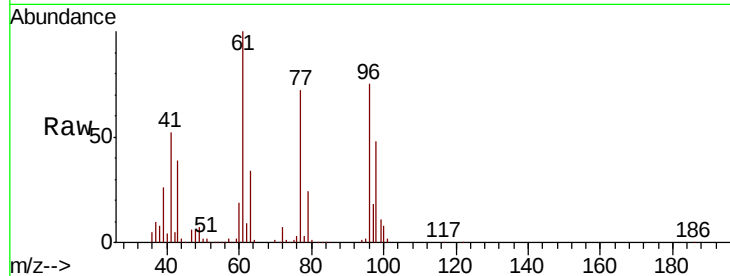


#27

cis-1,2-Dichloroethene
 Concen: 50.117 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

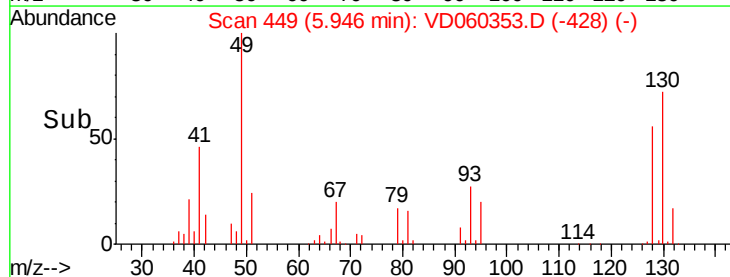
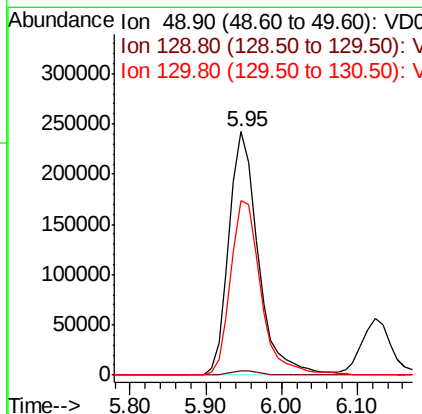
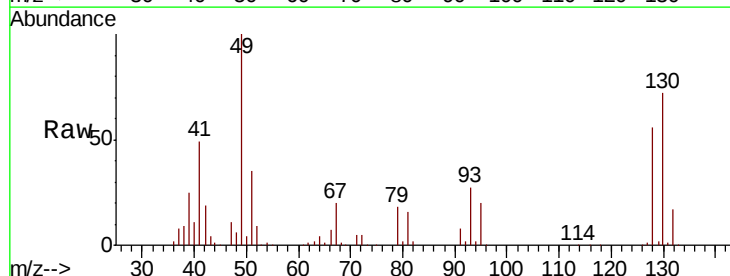
Tot Ion: 96 Resp: 959273
 Ion Ratio Lower Upper
 96 100
 61 134.1 0.0 259.0
 98 64.3 0.0 128.8



#28

Bromochloromethane
 Concen: 48.721 ug/l
 RT: 5.95 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion: 49 Resp: 652092
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.8
 130 71.5 53.6 80.4

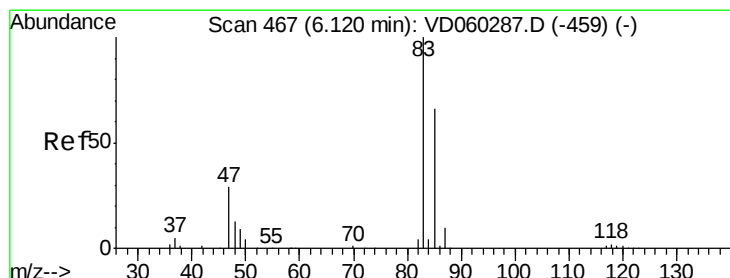
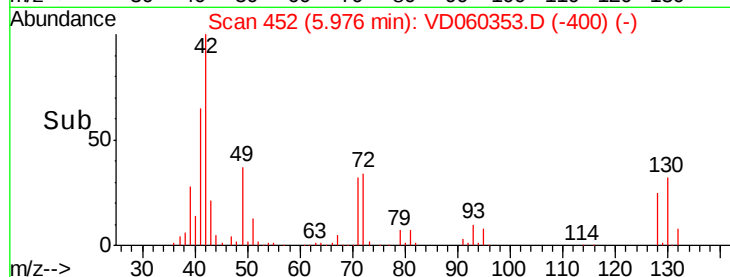
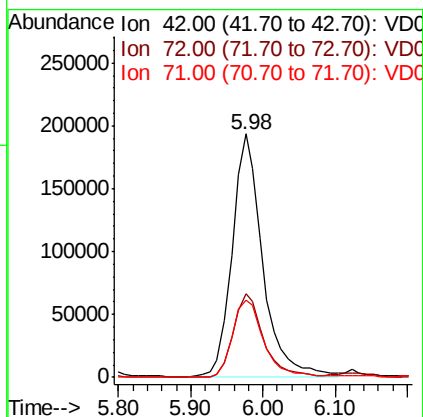
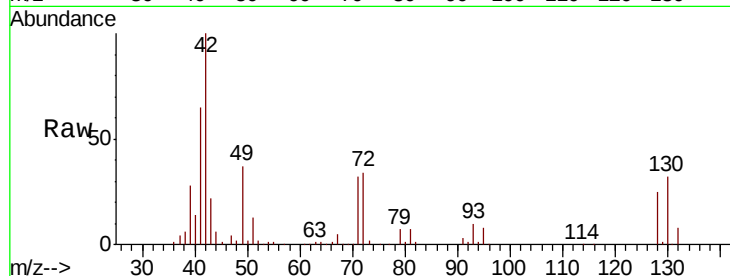




#29
Tetrahydrofuran
Concen: 245.161 ug/l
RT: 5.98 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

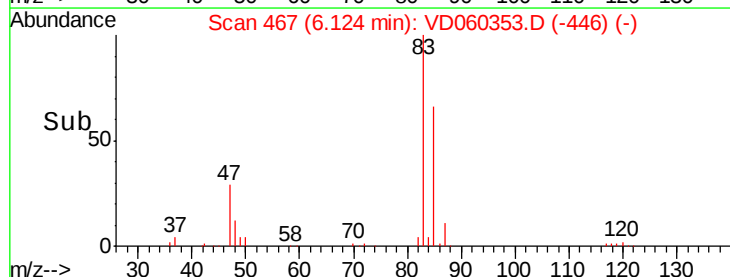
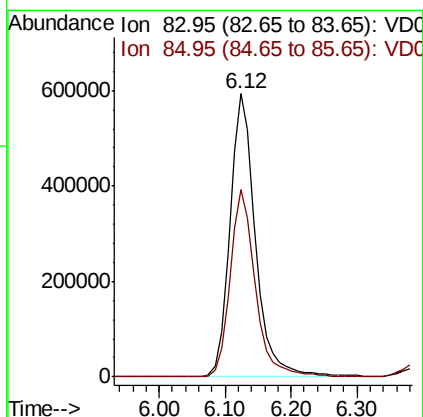
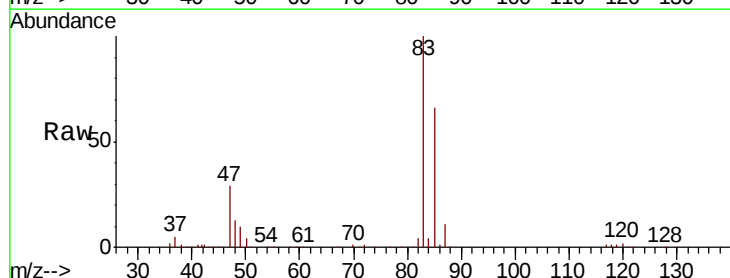
Instrument :
MSVOA_D
ClientSampleId :

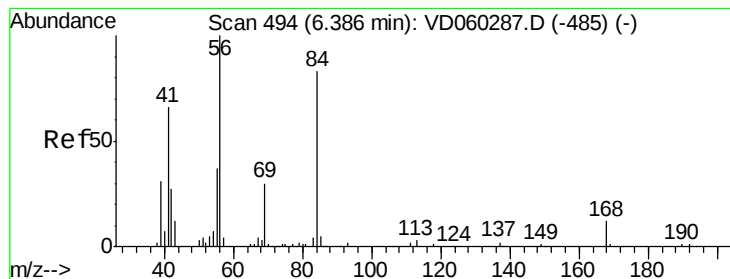
Tot Ion: 42 Resp: 565896
Ion Ratio Lower Upper
42 100
72 34.3 27.6 41.4
71 33.3 26.5 39.7



#30
Chloroform
Concen: 53.017 ug/l
RT: 6.12 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 83 Resp: 1607736
Ion Ratio Lower Upper
83 100
85 66.0 52.5 78.7





#31

Cyclohexane

Concen: 47.869 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

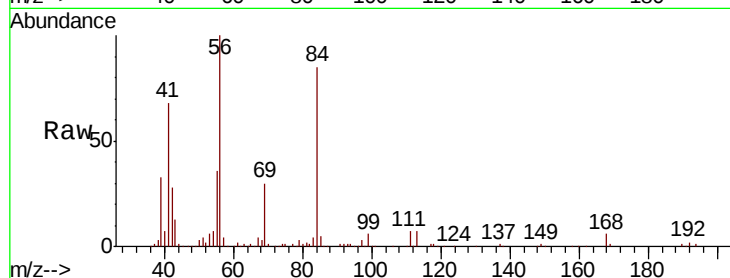
Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 1387835

Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.2	33.2
84	84.6	63.0	94.4

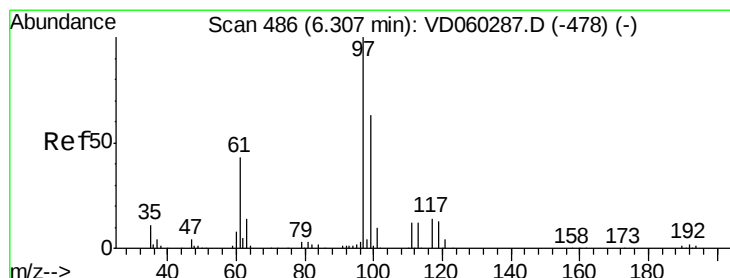
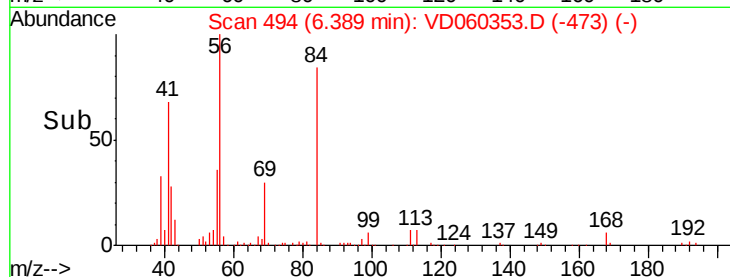
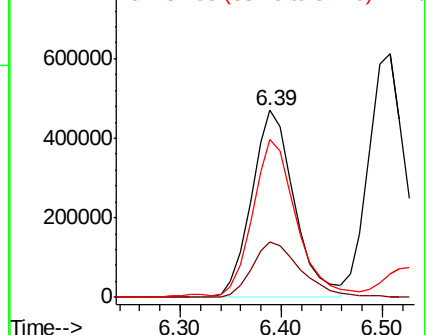


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 50.811 ug/l

RT: 6.32 min Scan# 487

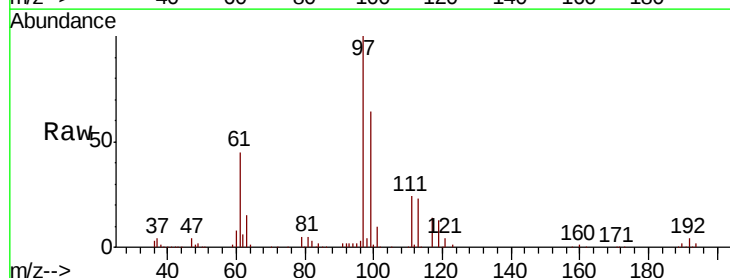
Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Tgt Ion: 97 Resp: 1297893

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	45.1	35.8	53.8

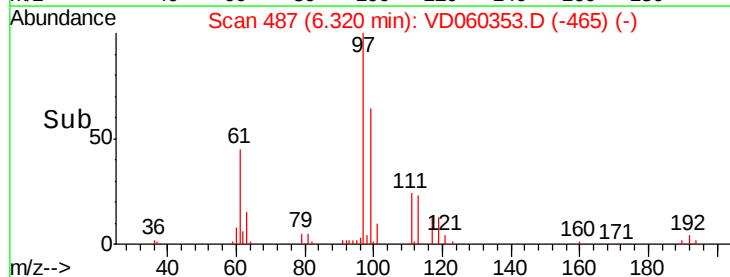
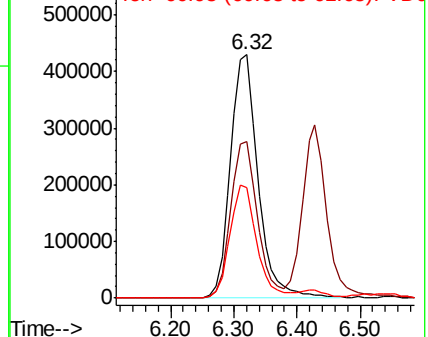


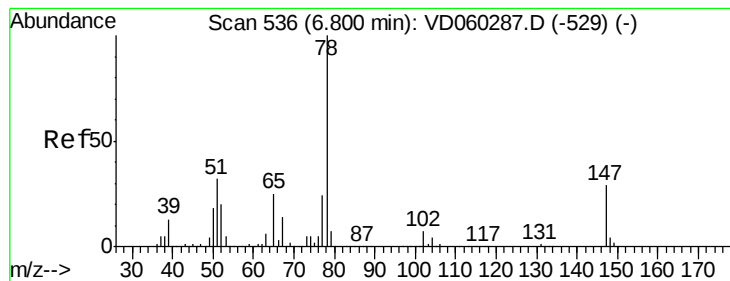
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.811 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

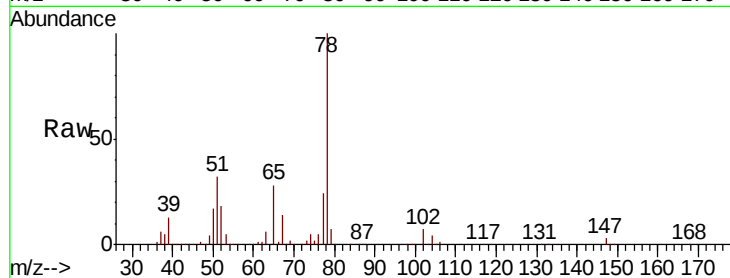
ClientSampled :

Tot Ion: 65 Resp: 616011

Ion Ratio Lower Upper

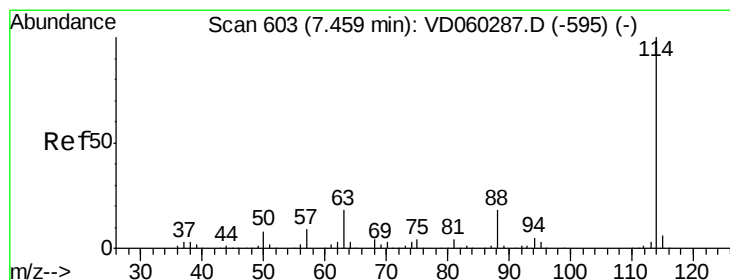
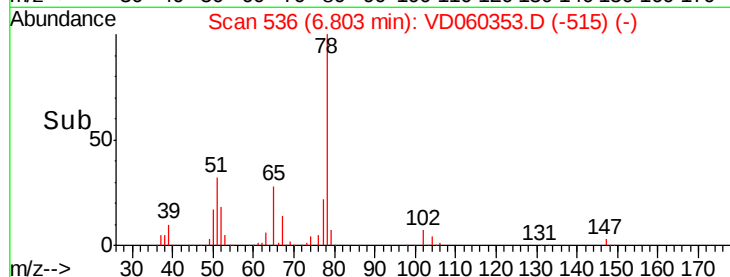
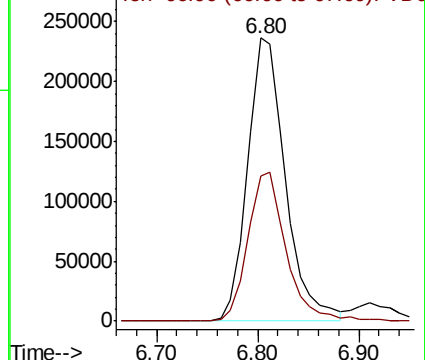
65 100

67 51.4 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

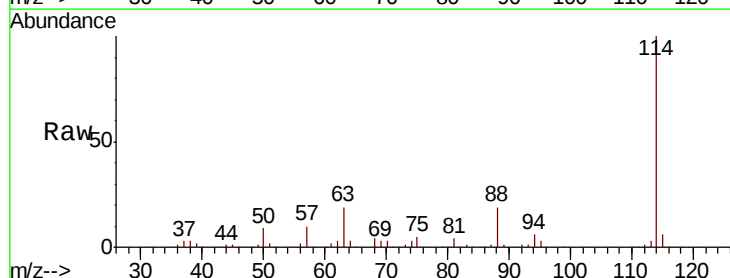
Tgt Ion: 114 Resp: 2323770

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

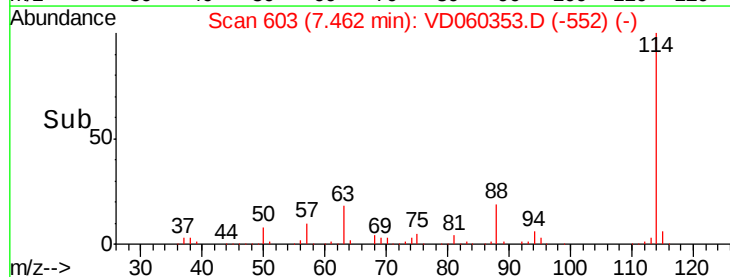
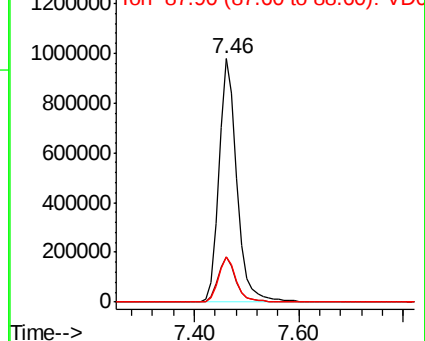
88 18.7 0.0 35.4

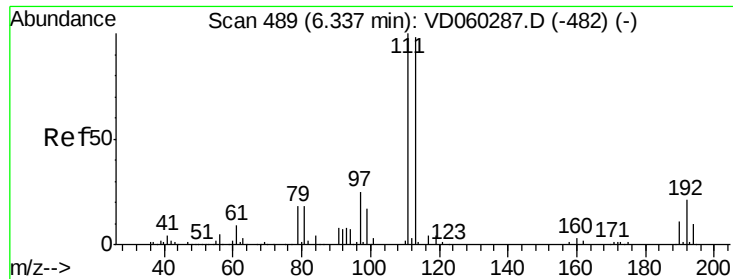


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

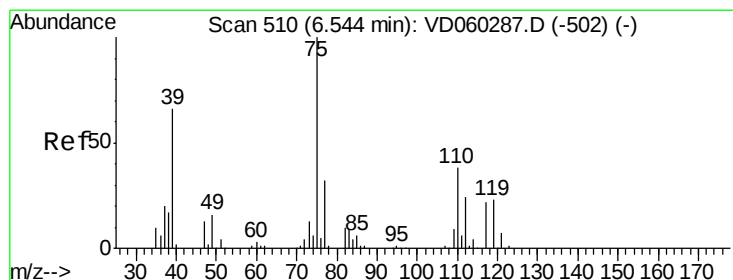
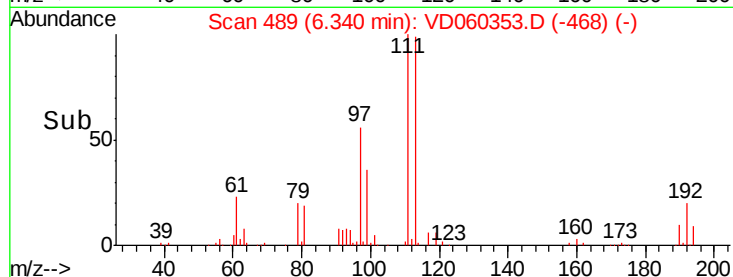
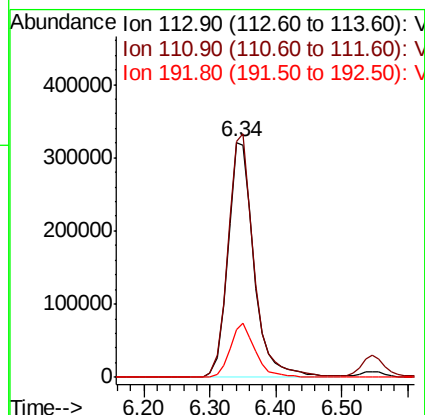
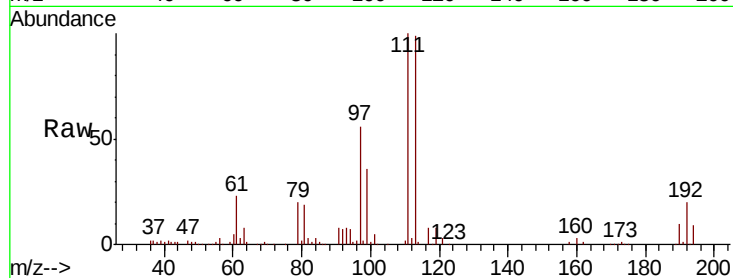




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

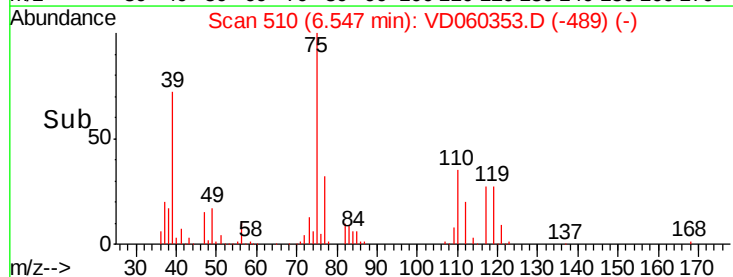
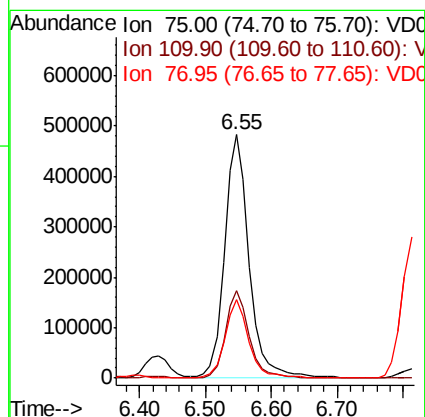
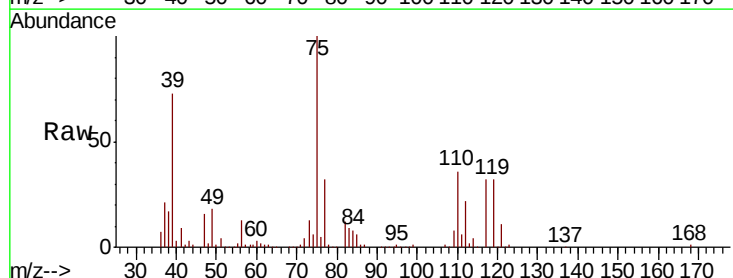
Instrument :
MSVOA_D
ClientSampled :

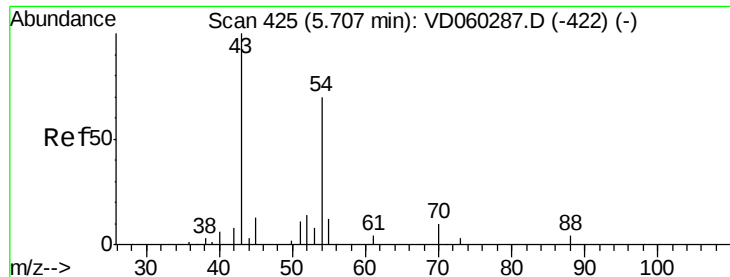
Tot Ion:113 Resp: 890231
Ion Ratio Lower Upper
113 100
111 100.7 81.6 122.4
192 20.4 16.5 24.7



#36
1,1-Dichloropropene
Concen: 53.711 ug/l
RT: 6.55 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 75 Resp: 1233097
Ion Ratio Lower Upper
75 100
110 35.8 18.0 54.0
77 32.0 25.6 38.4

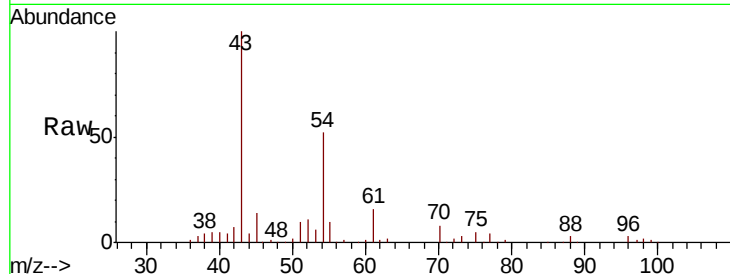




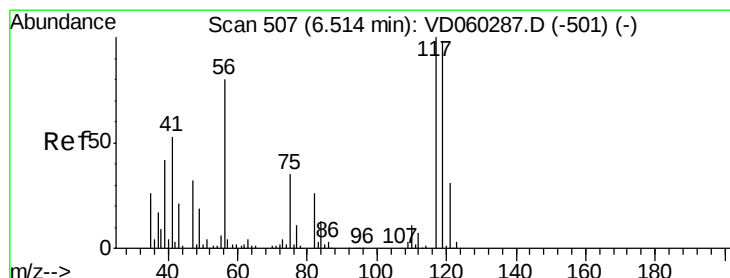
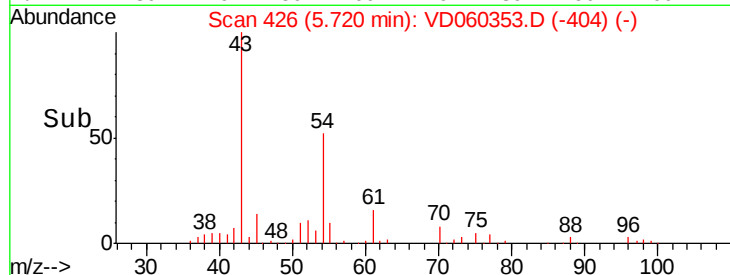
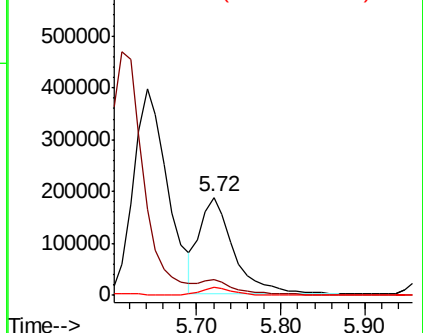
#37
Ethyl Acetate
Concen: 49.219 ug/l
RT: 5.72 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 519961
Ion Ratio Lower Upper
43 100
61 15.7 11.8 17.6
70 7.8 6.2 9.4

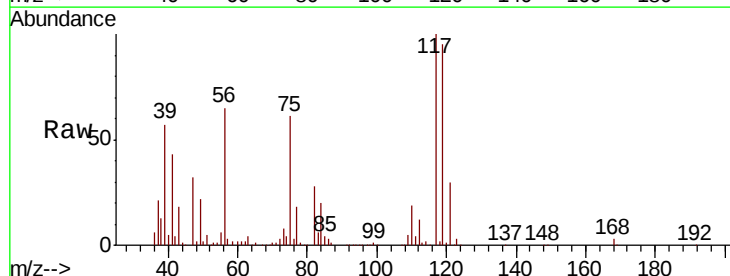


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

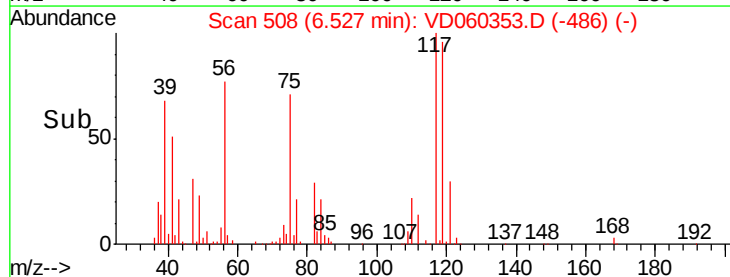
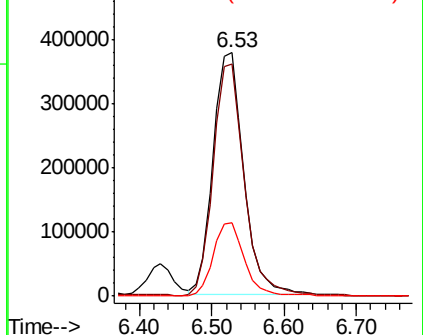


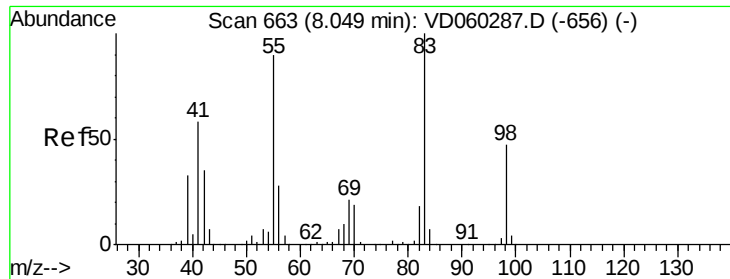
#38
Carbon Tetrachloride
Concen: 52.237 ug/l
RT: 6.53 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 117 Resp: 1112469
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0
121 29.9 24.3 36.5



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





#39

Methvlcvclohexane

Concen: 51.553 ug/l

RT: 8.06 min Scan# 664

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleId :

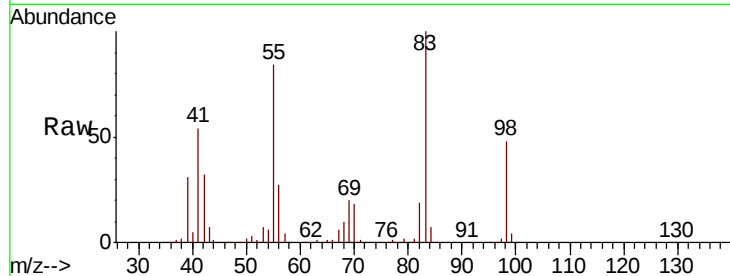
Tot Ion: 83 Resp: 1361274

Ion Ratio Lower Upper

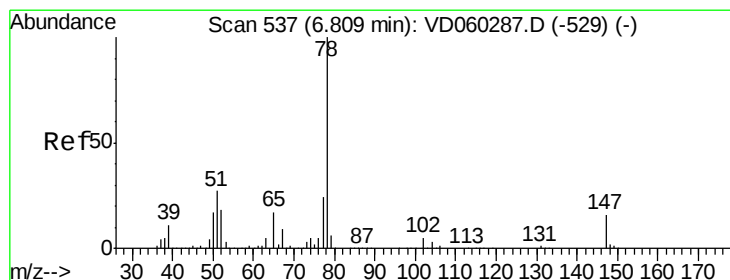
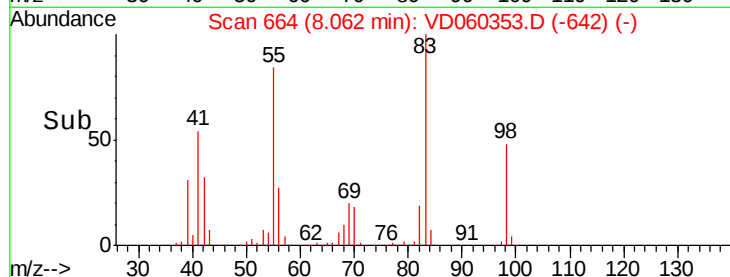
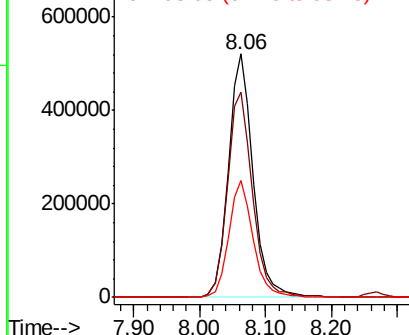
83 100

55 84.0 71.2 106.8

98 47.9 38.4 57.6



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



#40

Benzene

Concen: 54.365 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD060353.D

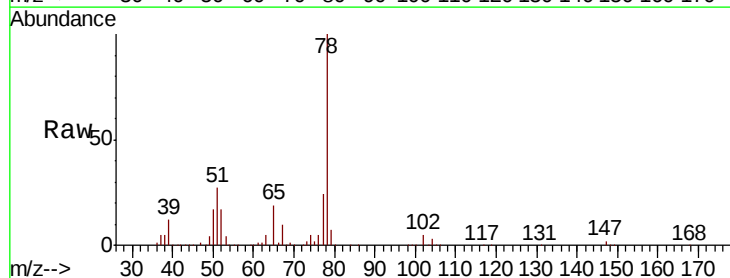
Acq: 13 Nov 2018 10:46

Tgt Ion: 78 Resp: 3185954

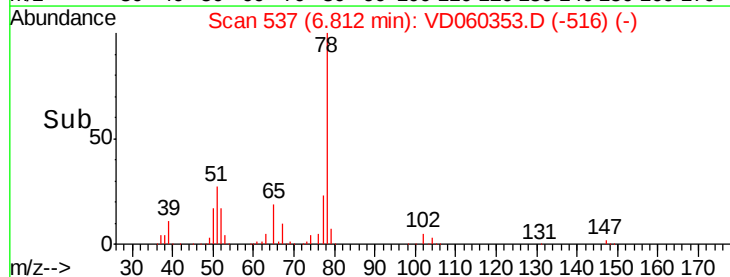
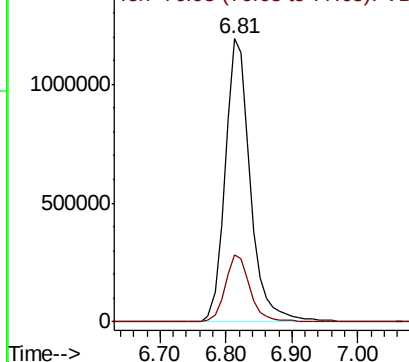
Ion Ratio Lower Upper

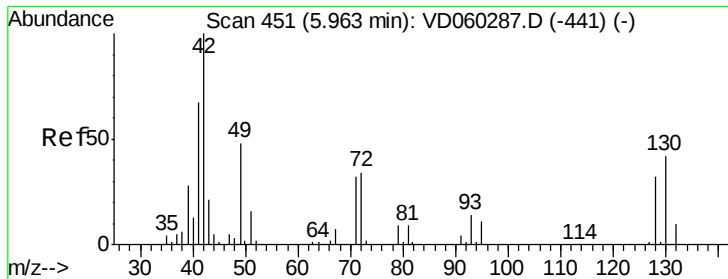
78 100

77 23.6 18.8 28.2



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





#41

Methacrylonitrile

Concen: 49.994 ug/l

RT: 5.97 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 604490

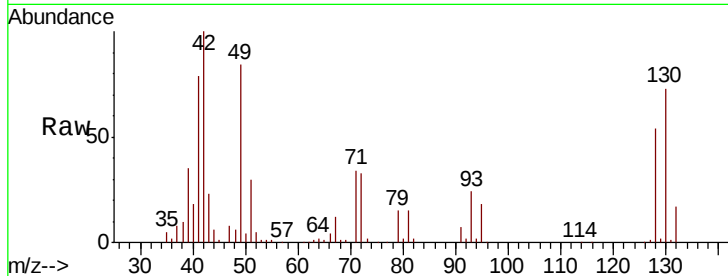
Ion Ratio Lower Upper

41 100

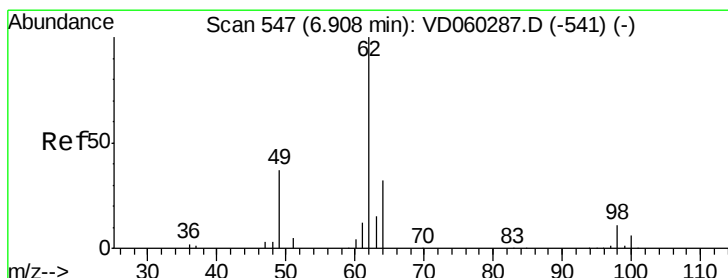
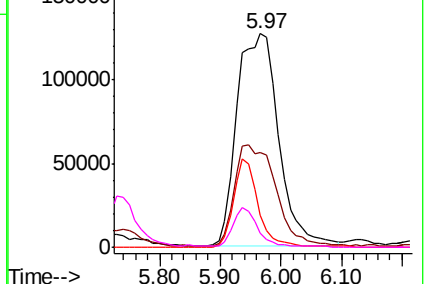
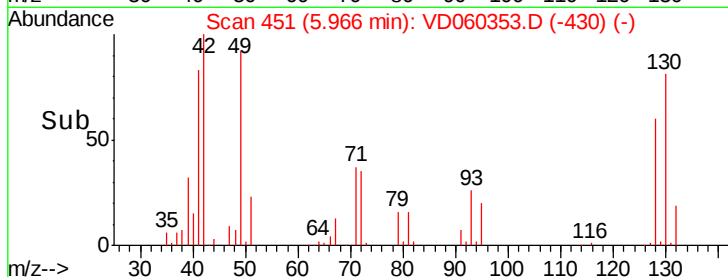
39 44.2 36.2 54.2

67 14.9 11.9 17.9

52 6.8 5.2 7.8



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



#42

1,2-Dichloroethane

Concen: 52.640 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060353.D

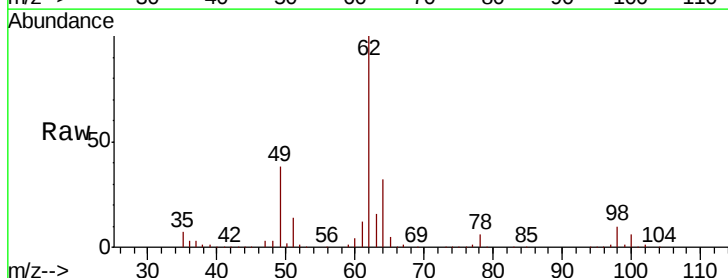
Acq: 13 Nov 2018 10:46

Tgt Ion: 62 Resp: 807432

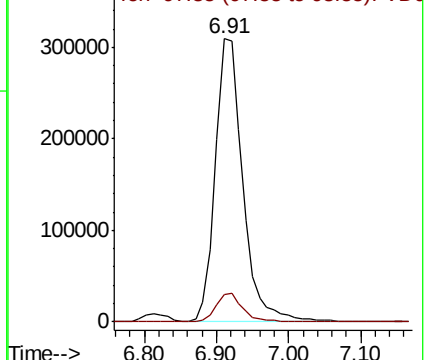
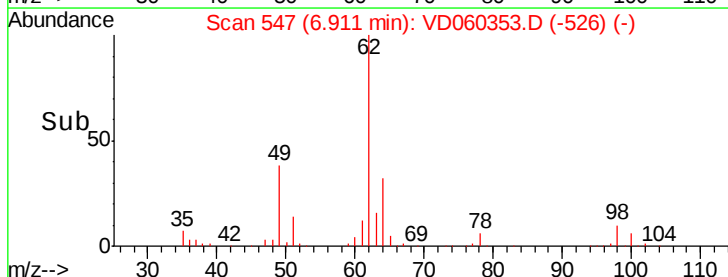
Ion Ratio Lower Upper

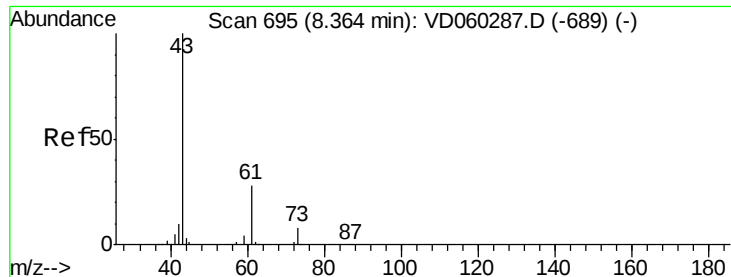
62 100

98 9.7 0.0 22.0



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



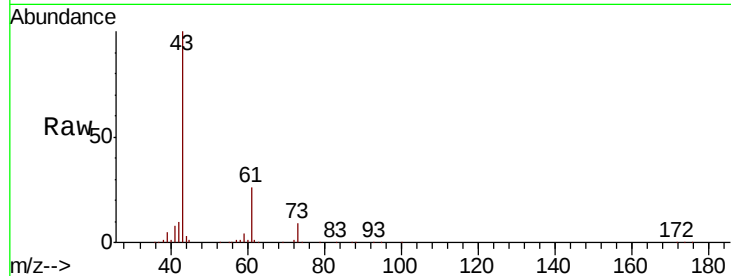


#43

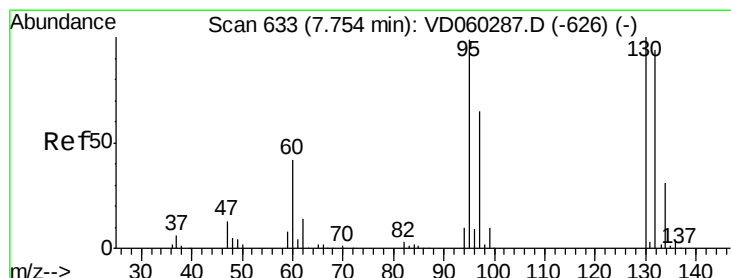
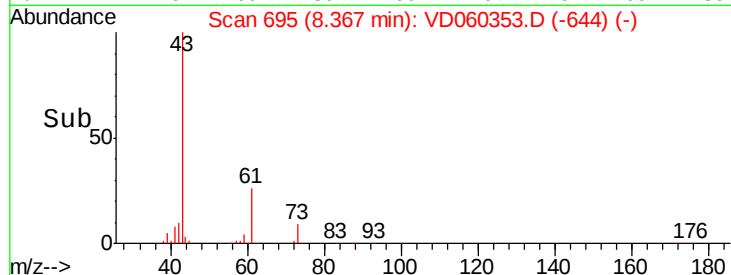
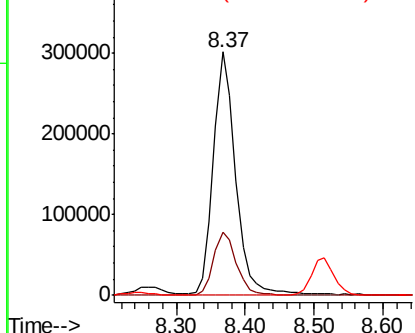
Isopropyl Acetate
 Concen: 50.428 ug/l
 RT: 8.37 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 669175
 Ion Ratio Lower Upper
 43 100
 61 26.2 22.3 33.5
 87 0.3 0.2 0.2#



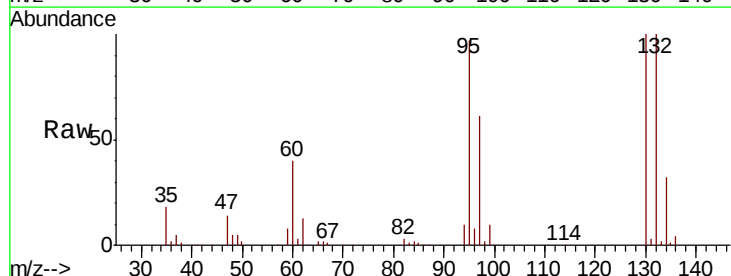
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



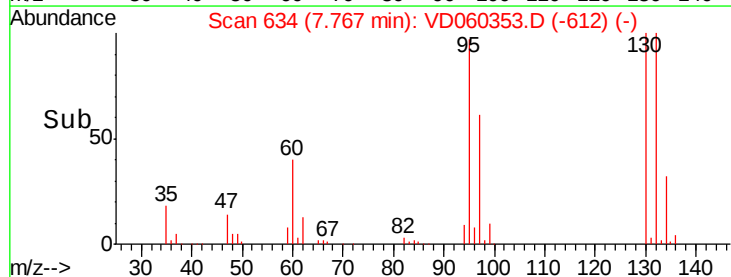
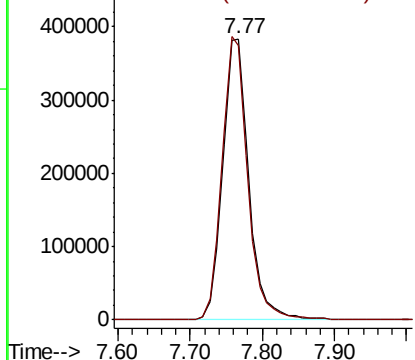
#44

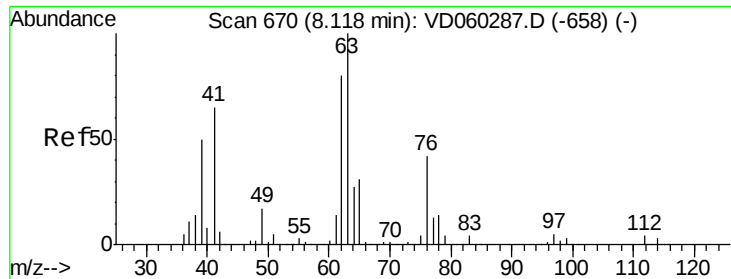
Trichloroethene
 Concen: 53.880 ug/l
 RT: 7.77 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion:130 Resp: 957159
 Ion Ratio Lower Upper
 130 100
 95 97.4 0.0 200.0



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

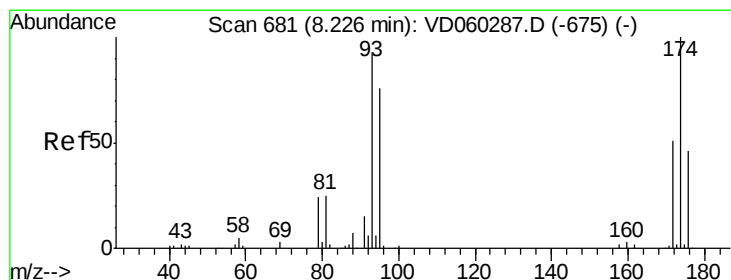
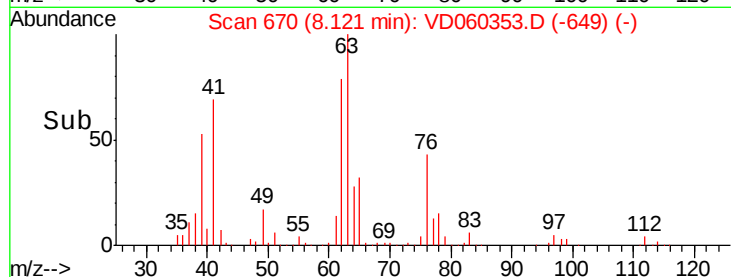
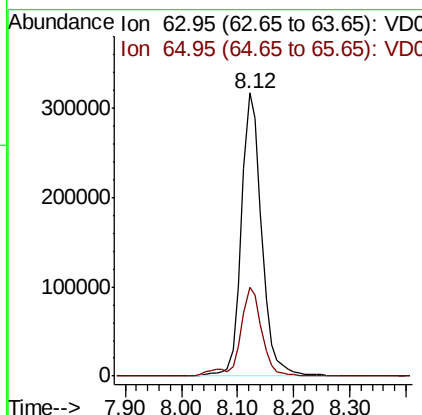
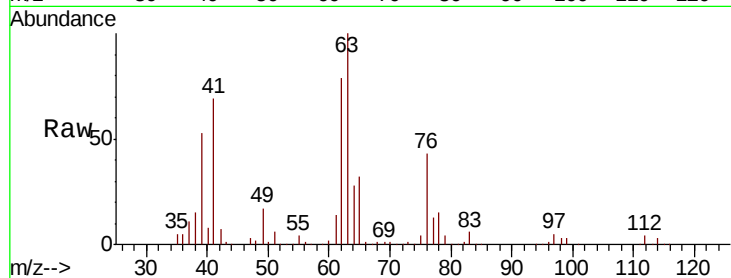




#45
 1,2-Dichloropropane
 Concen: 53.950 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

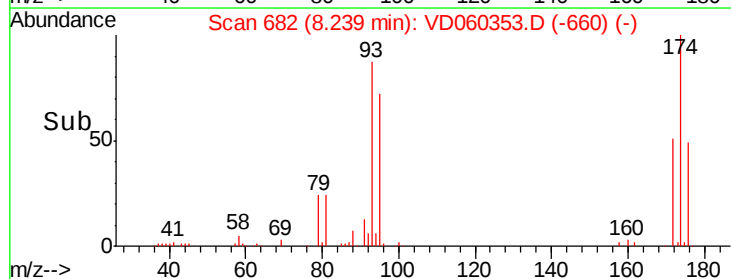
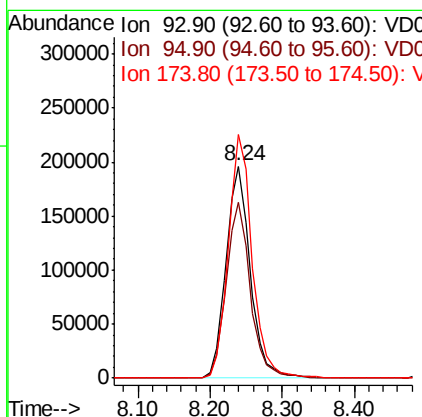
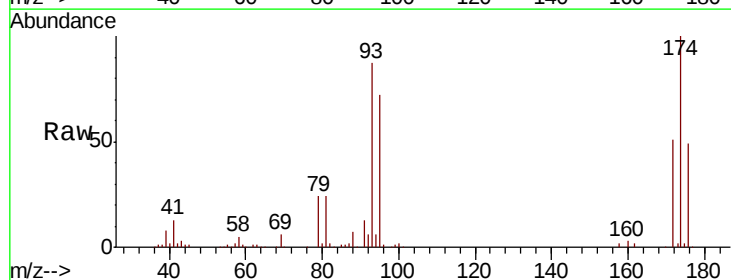
Instrument :
 MSVOA_D
 ClientSampleId :

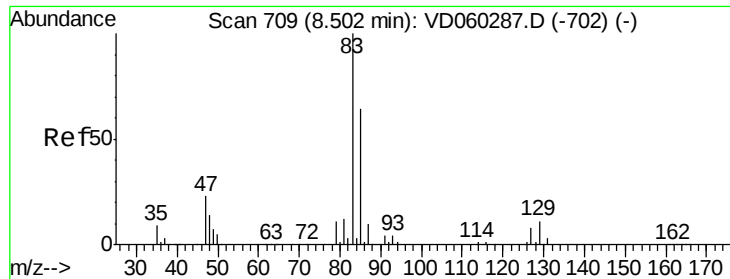
Tot Ion: 63 Resp: 797357
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.4 35.2



#46
 Dibromomethane
 Concen: 52.923 ug/l
 RT: 8.24 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion: 93 Resp: 458114
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.4 99.6
 174 114.8 87.8 131.8





#47

Bromodichloromethane

Concen: 52.532 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

ClientSampleId :

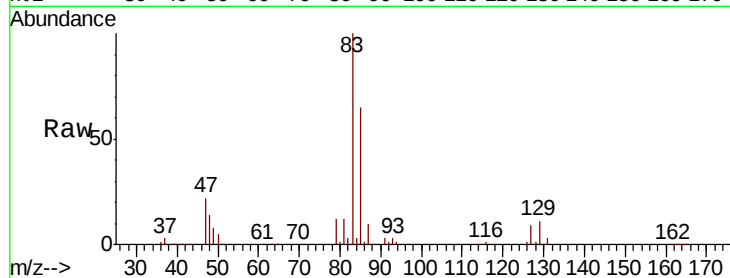
Tot Ion: 83 Resp: 1071559

Ion Ratio Lower Upper

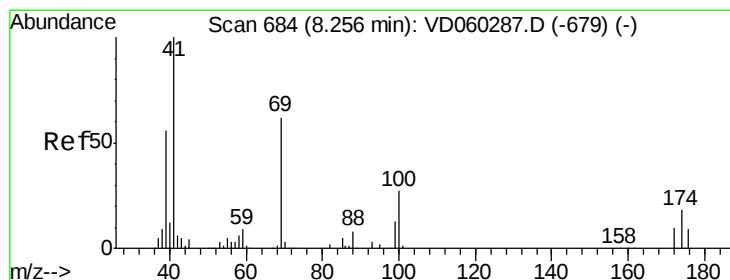
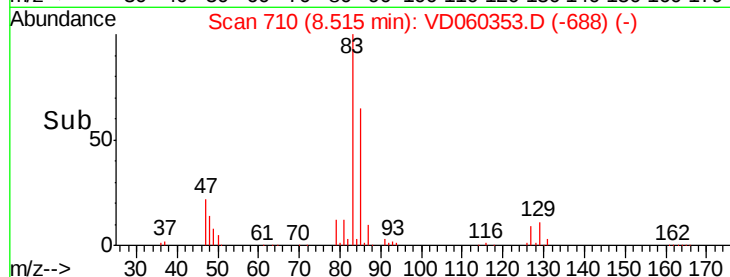
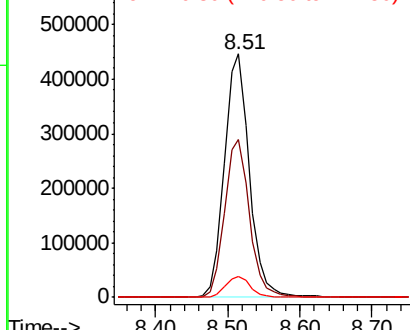
83 100

85 65.0 51.0 76.6

127 8.7 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: 52.099 ug/l

RT: 8.27 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

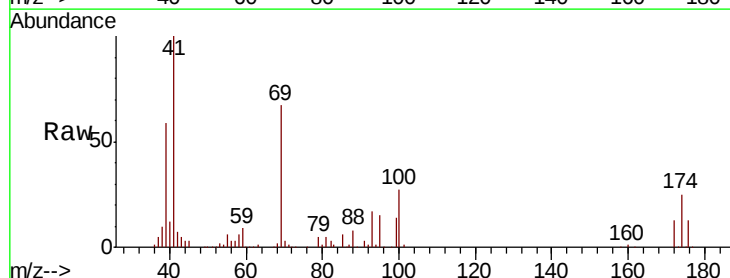
Tgt Ion: 41 Resp: 419945

Ion Ratio Lower Upper

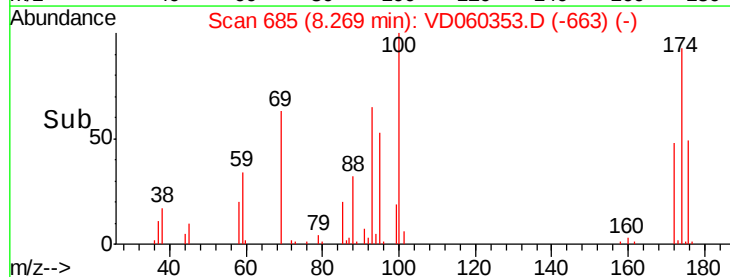
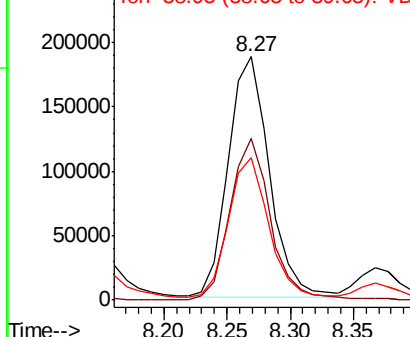
41 100

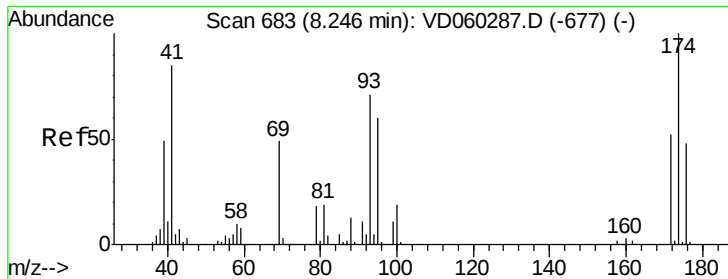
69 66.6 47.0 70.4

39 58.5 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

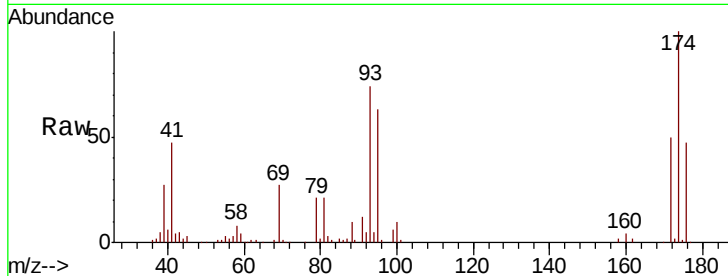




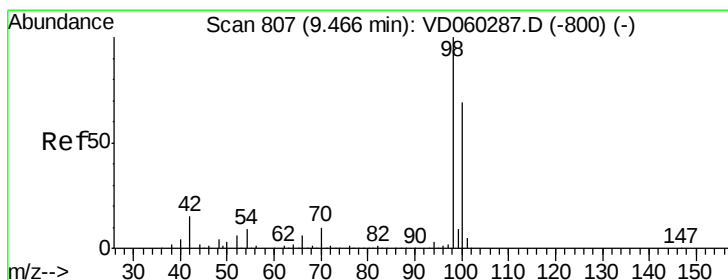
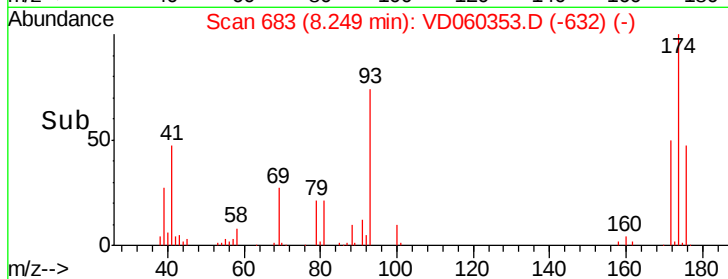
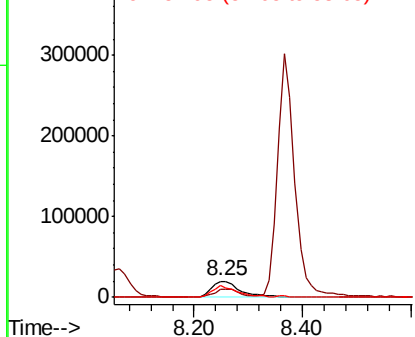
#49
1,4-Dioxane
Concen: 1098.419 ug/l
RT: 8.25 min Scan# 683
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 76606
Ion Ratio Lower Upper
88 100
43 49.4 39.7 59.5
58 74.7 60.2 90.2

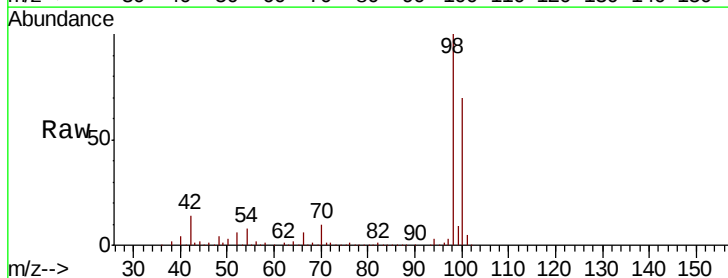


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

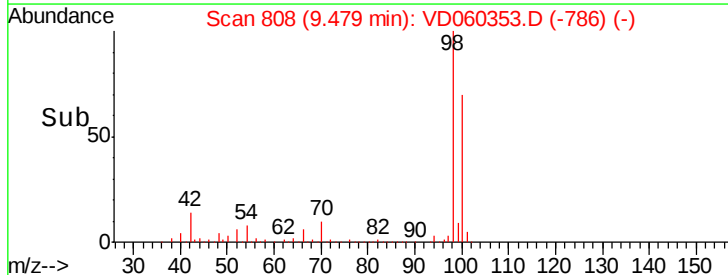
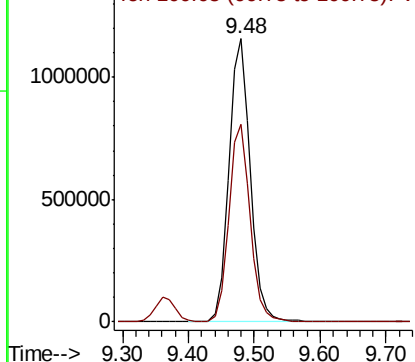


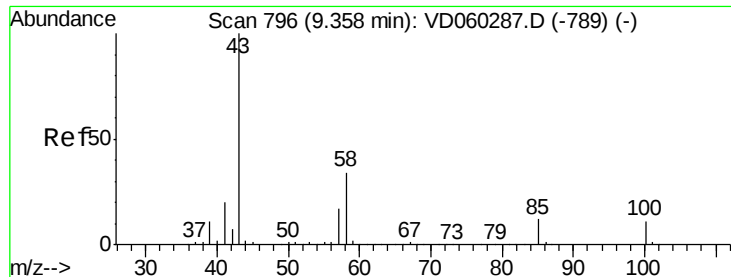
#50
Toluene-d8
Concen: 1098.419 ug/l
RT: 9.48 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 98 Resp: 2631137
Ion Ratio Lower Upper
98 100
100 69.9 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: 248.373 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

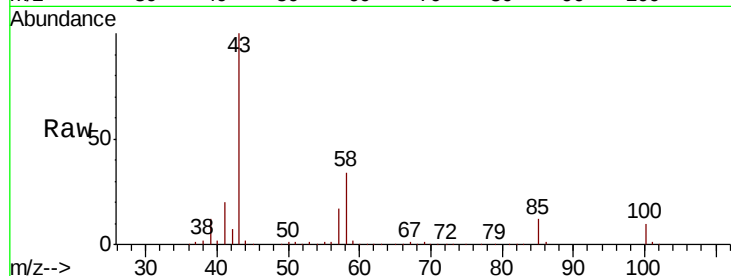
ClientSampleId :

Tot Ion: 43 Resp: 2145192

Ion Ratio Lower Upper

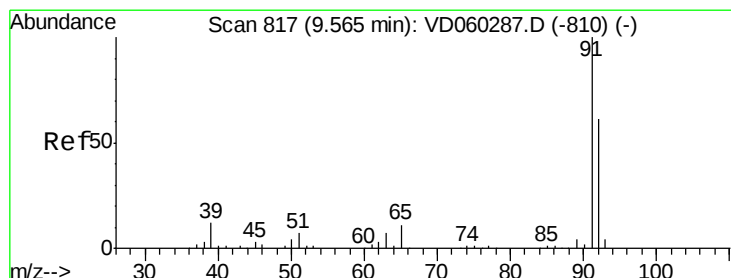
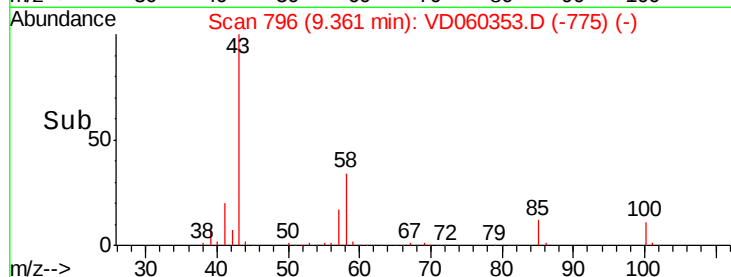
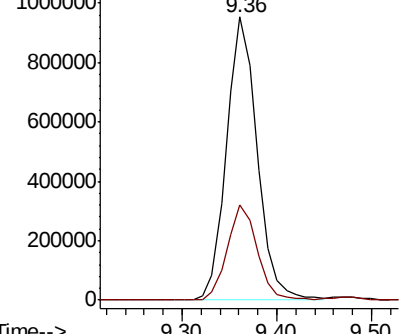
43 100

58 33.8 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.083 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060353.D

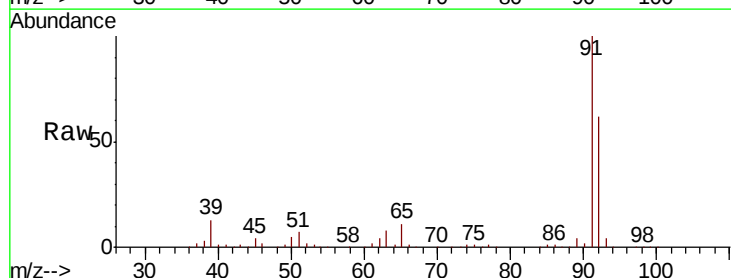
Acq: 13 Nov 2018 10:46

Tgt Ion: 92 Resp: 1987114

Ion Ratio Lower Upper

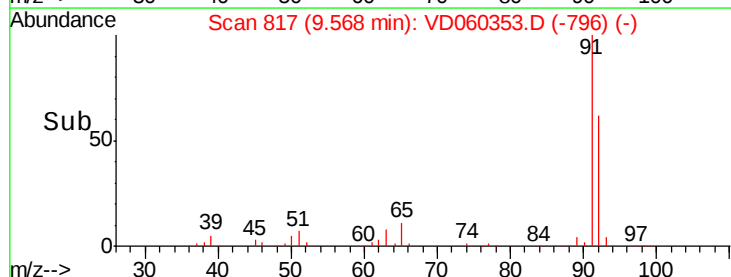
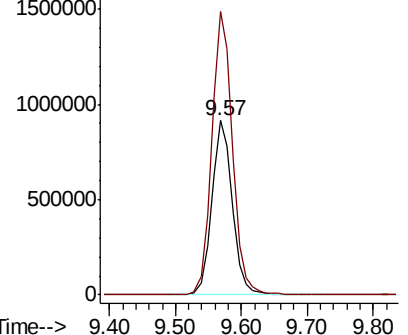
92 100

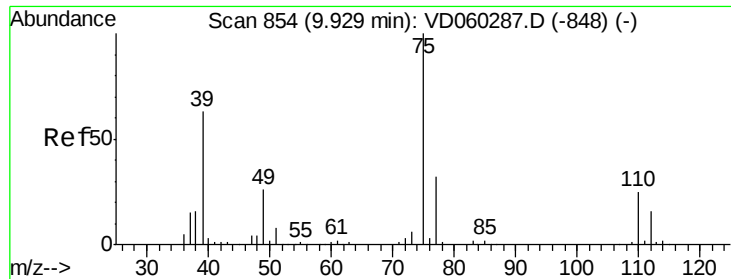
91 162.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

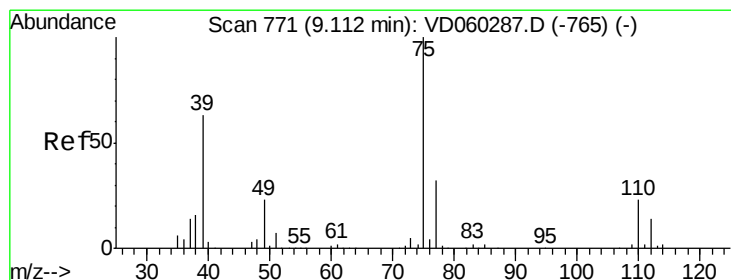
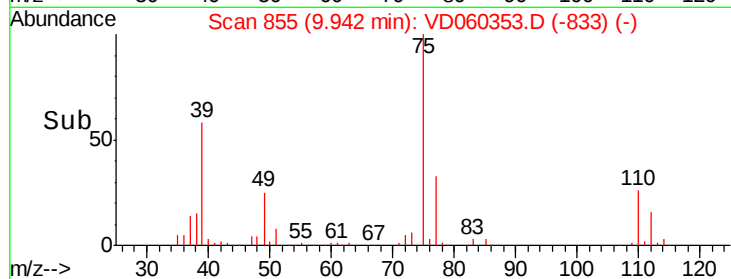
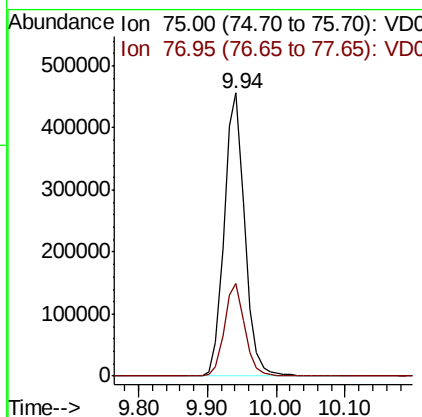
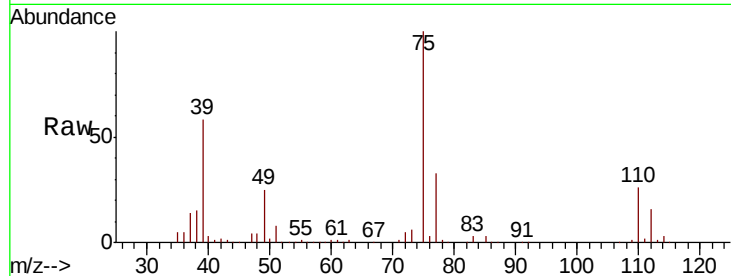




#53
 t-1,3-Dichloropropene
 Concen: 54.355 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

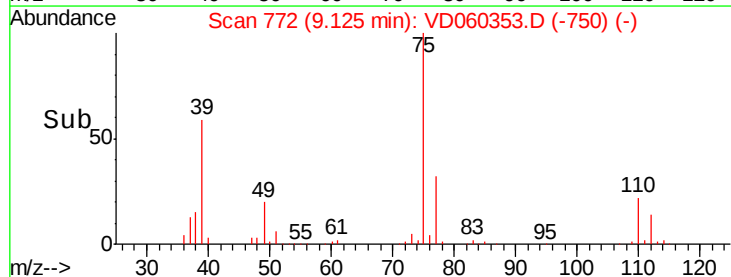
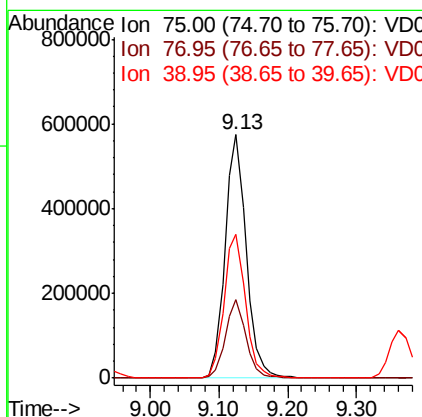
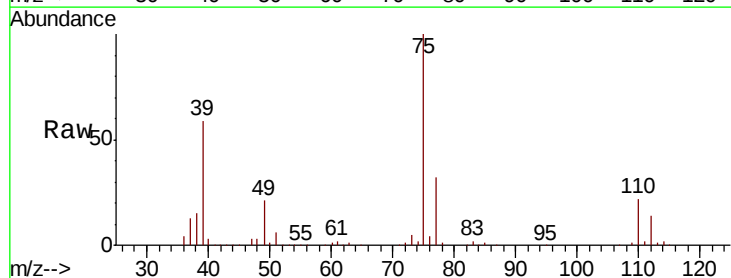
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 936806
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.070 ug/l
 RT: 9.13 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion: 75 Resp: 1217335
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.3 39.5
 39 58.9 50.8 76.2

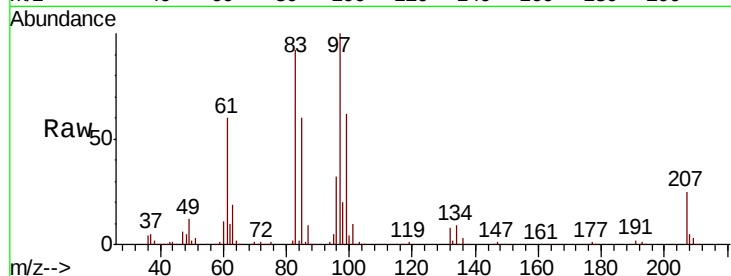




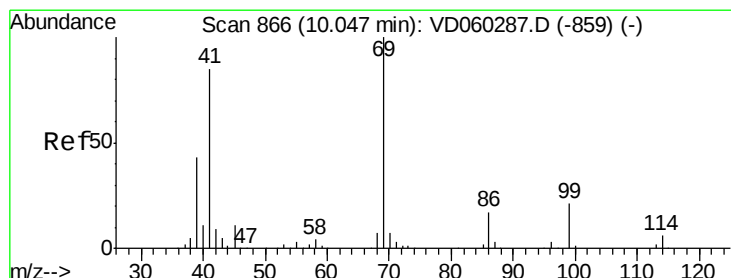
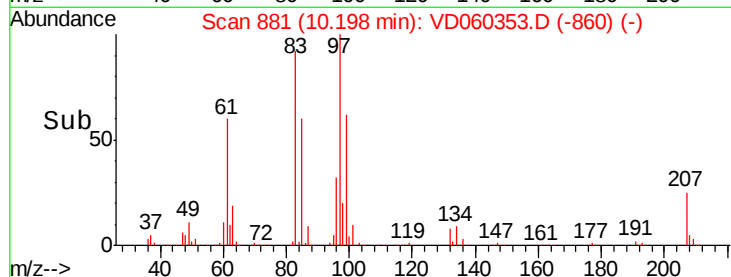
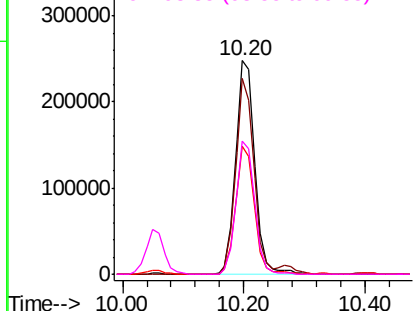
#55
 1,1,2-Trichloroethane
 Concen: 50.009 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 542591
 Ion Ratio Lower Upper
 97 100
 83 91.6 68.4 102.6
 85 59.9 46.8 70.2
 99 62.1 49.5 74.3

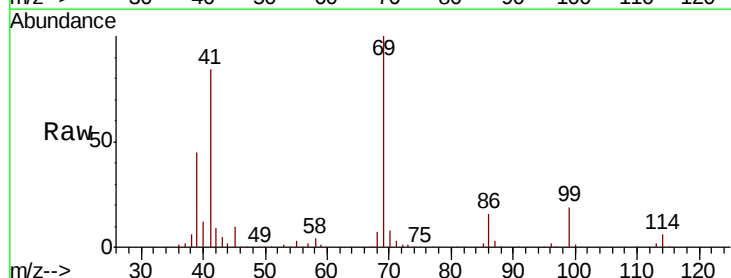


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

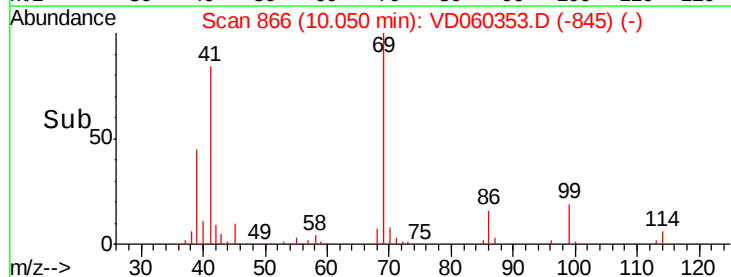
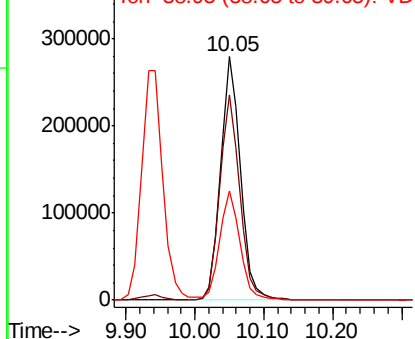


#56
 Ethyl methacrylate
 Concen: 56.118 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion: 69 Resp: 559828
 Ion Ratio Lower Upper
 69 100
 41 84.4 69.0 103.4
 39 45.0 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: 53.127 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

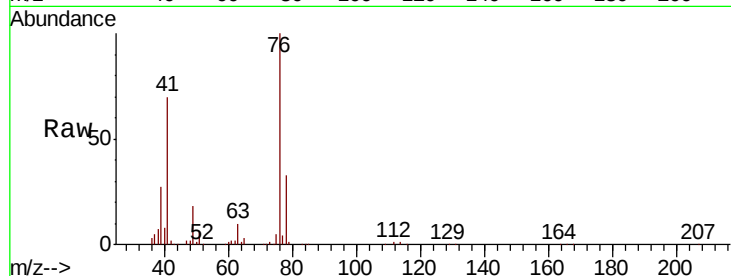
ClientSampleId :

Tot Ion: 76 Resp: 878335

Ion Ratio Lower Upper

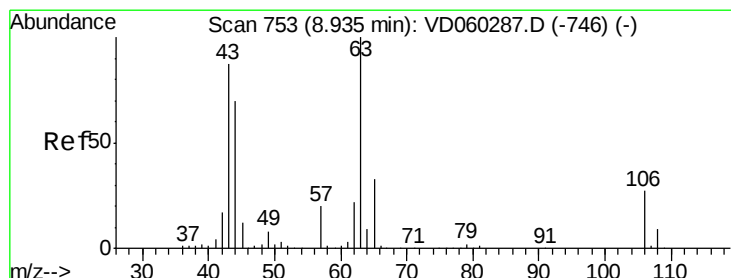
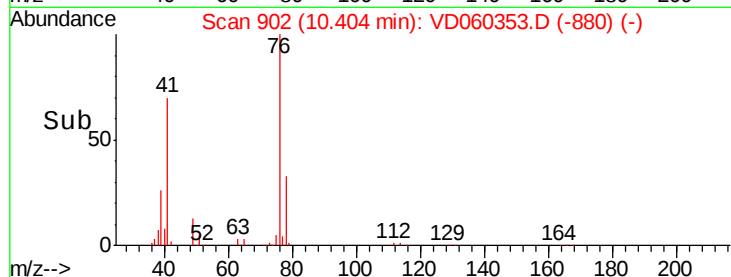
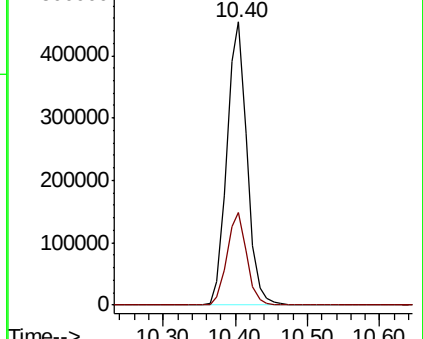
76 100

78 32.8 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.749 ug/l

RT: 8.95 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060353.D

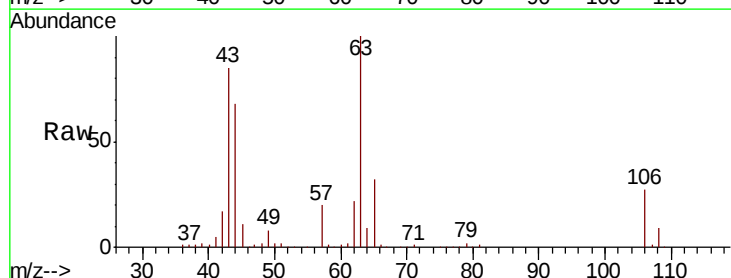
Acq: 13 Nov 2018 10:46

Tgt Ion: 63 Resp: 1506463

Ion Ratio Lower Upper

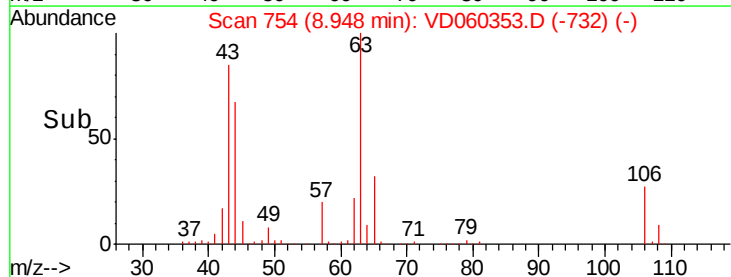
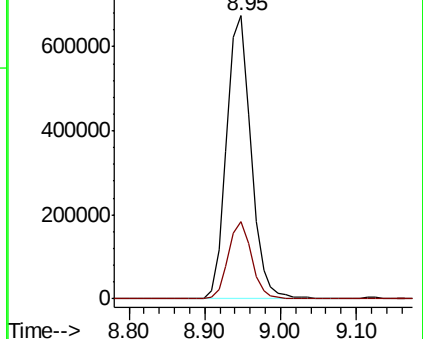
63 100

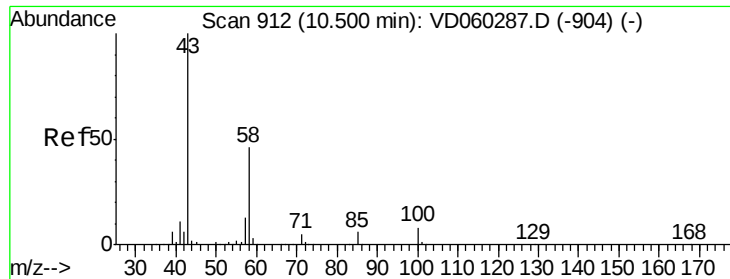
106 27.1 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

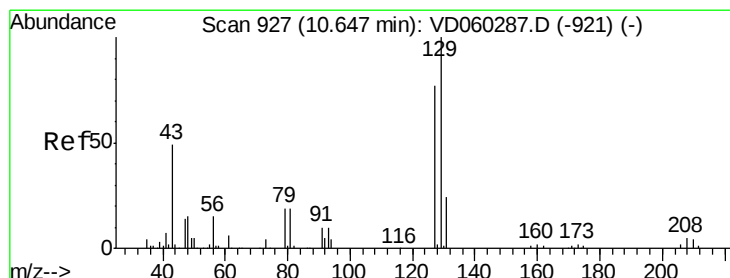
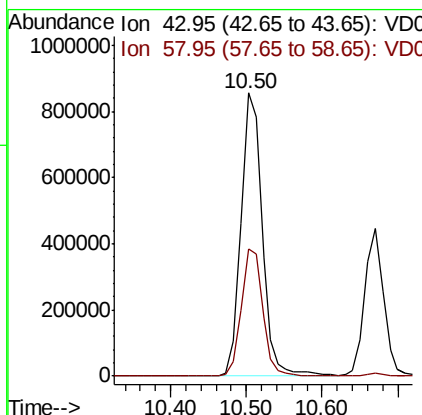
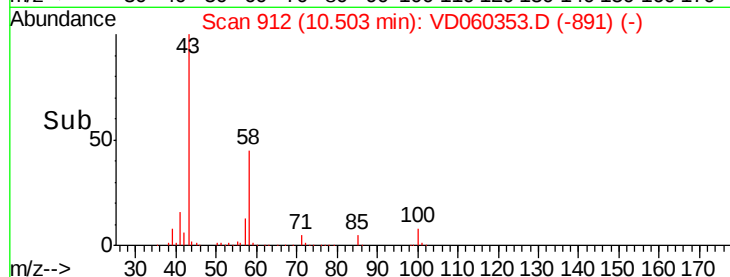
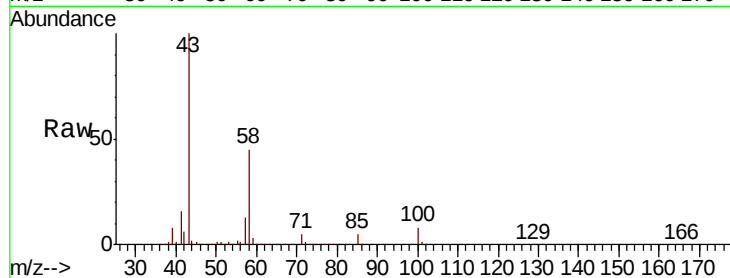




#59
2-Hexanone
Concen: 268.044 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

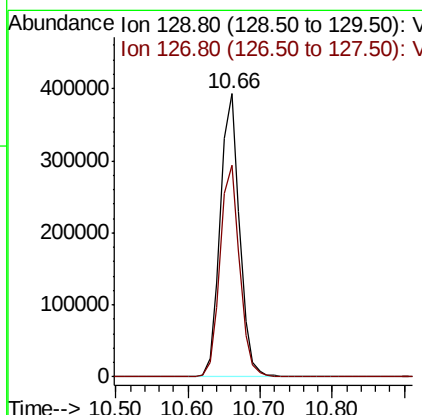
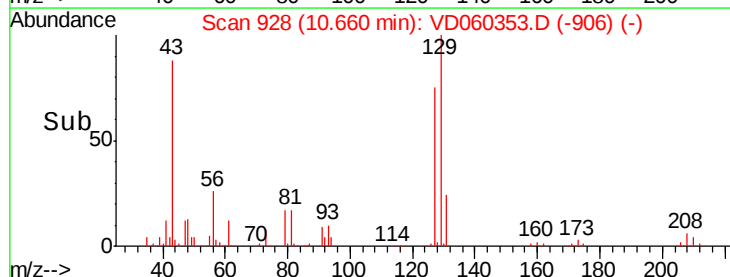
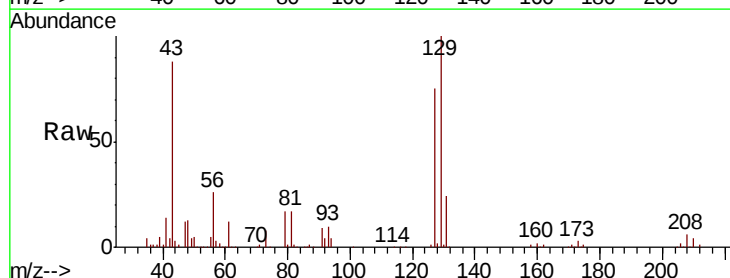
Instrument :
MSVOA_D
ClientSampleId :

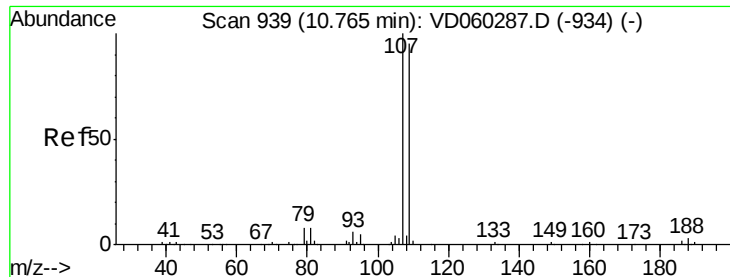
Tot Ion: 43 Resp: 1650051
Ion Ratio Lower Upper
43 100
58 45.0 22.9 68.5



#60
Dibromochloromethane
Concen: 55.021 ug/l
RT: 10.66 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion:129 Resp: 725675
Ion Ratio Lower Upper
129 100
127 74.7 38.9 116.6

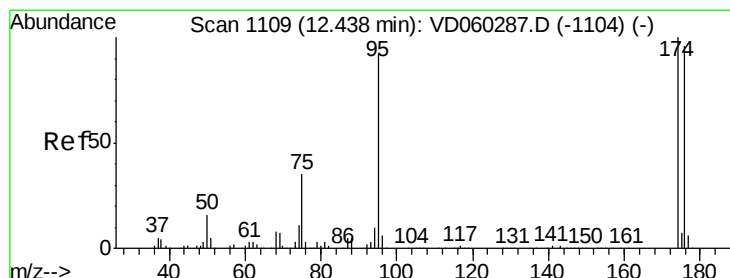
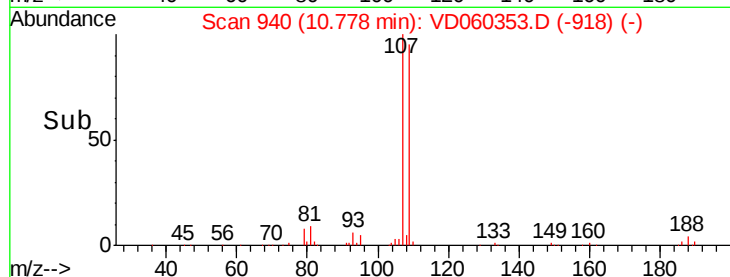
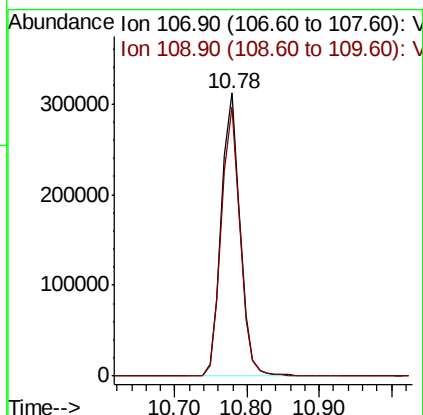
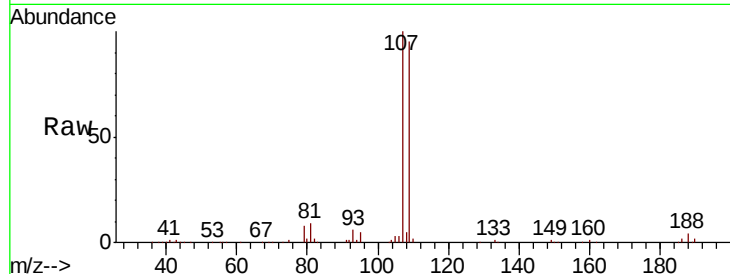




#61
1,2-Dibromoethane
Concen: 51.420 ug/l
RT: 10.78 min Scan# 940
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

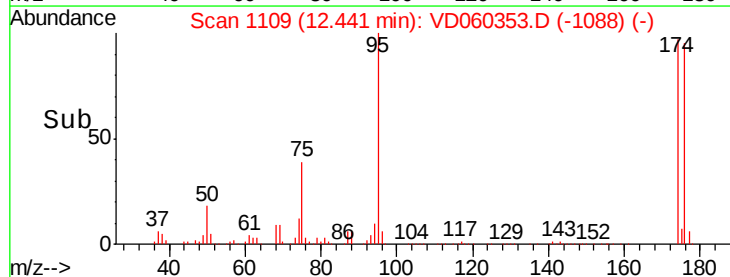
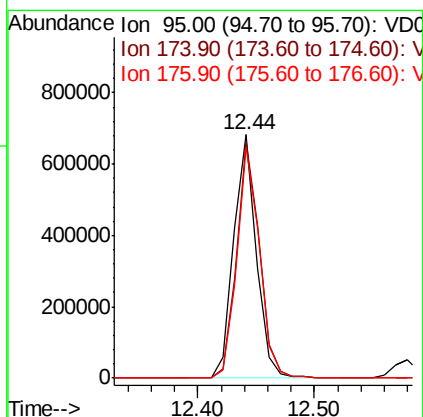
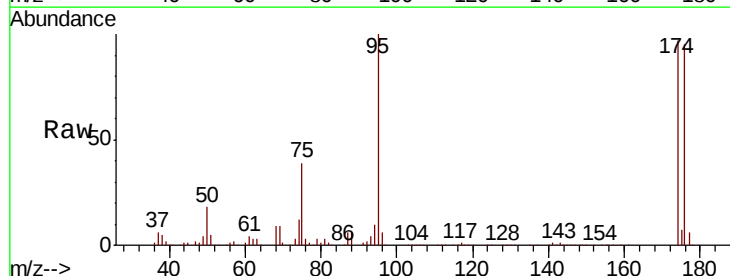
Instrument :
MSVOA_D
ClientSampleId :

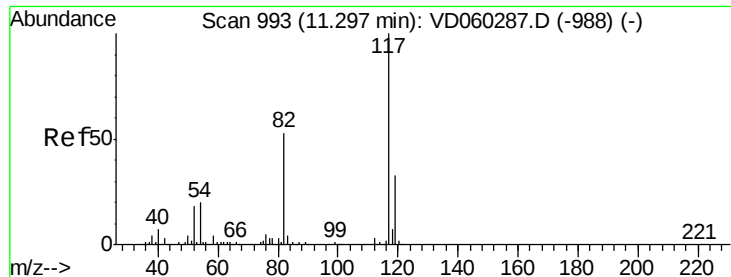
Tot Ion:107 Resp: 558981
Ion Ratio Lower Upper
107 100
109 95.0 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 51.420 ug/l
RT: 12.44 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 95 Resp: 918794
Ion Ratio Lower Upper
95 100
174 97.5 0.0 160.8
176 94.7 0.0 154.6

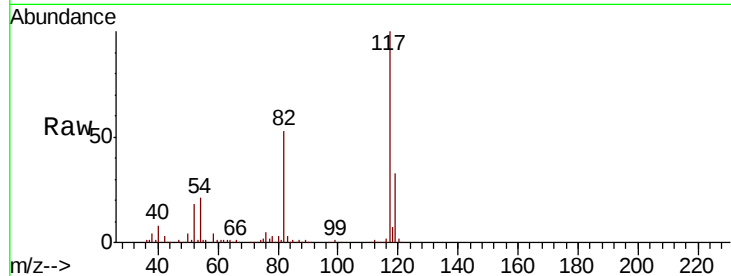




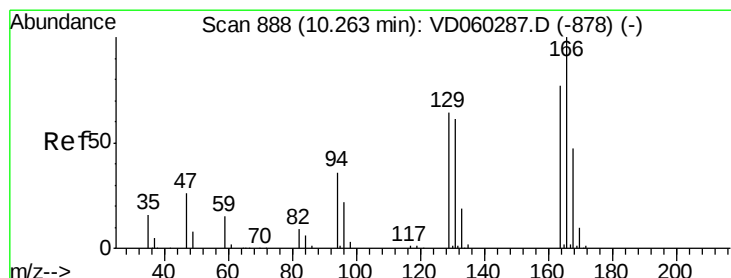
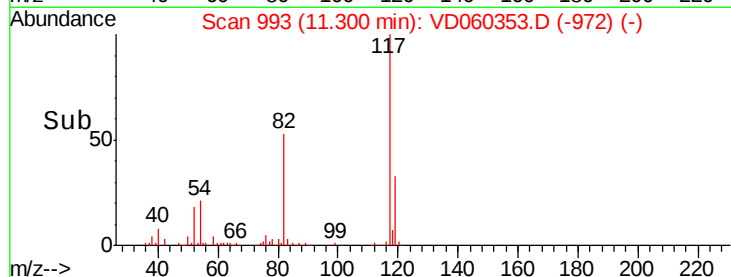
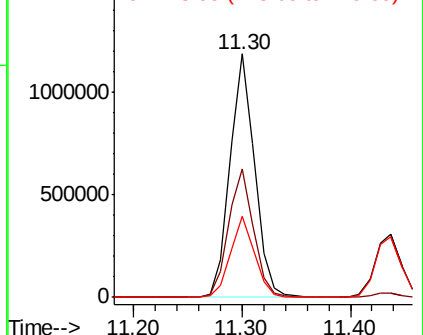
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1888244
Ion Ratio Lower Upper
117 100
82 52.7 43.7 65.5
119 33.0 26.1 39.1

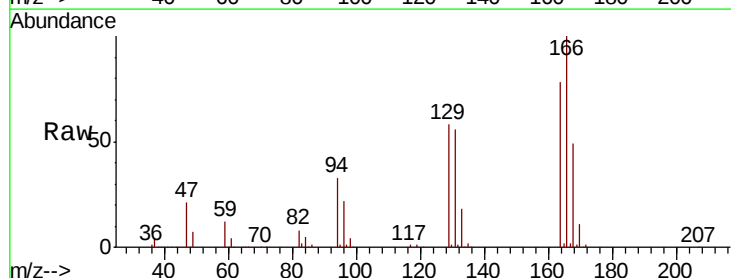


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

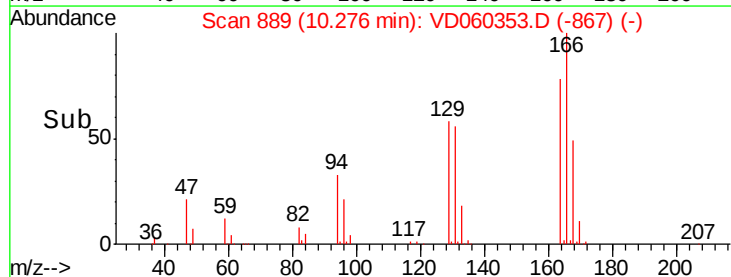
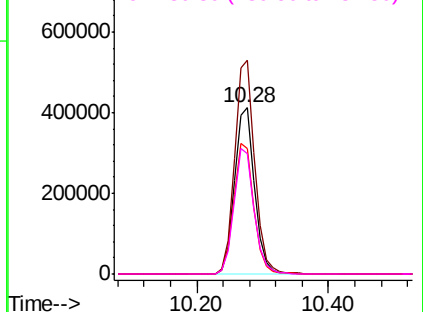


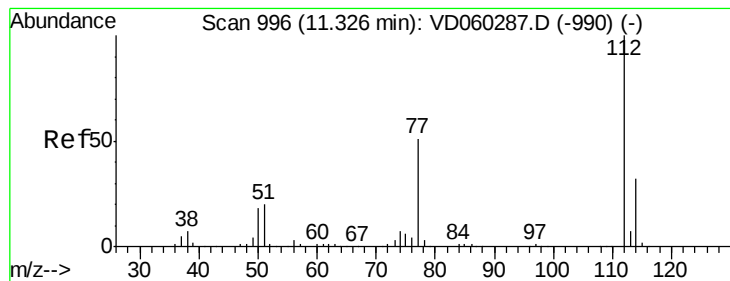
#64
Tetrachloroethene
Concen: 52.155 ug/l
RT: 10.28 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion:164 Resp: 879174
Ion Ratio Lower Upper
164 100
166 128.4 103.7 155.5
129 75.1 65.6 98.4
131 72.3 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

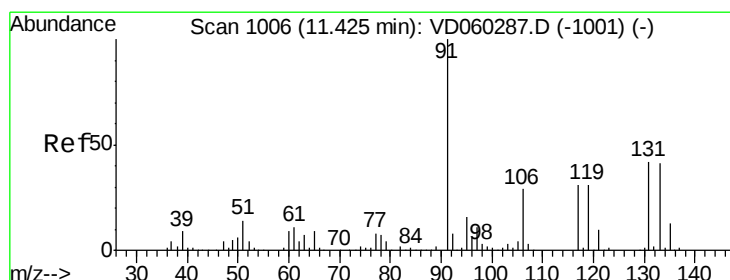
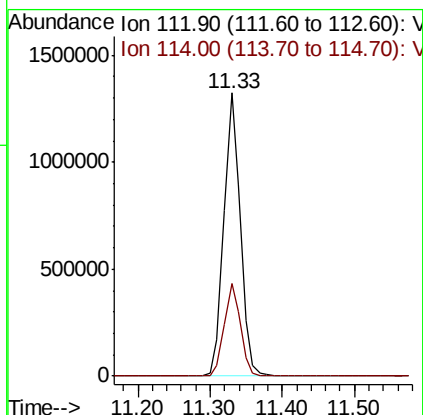
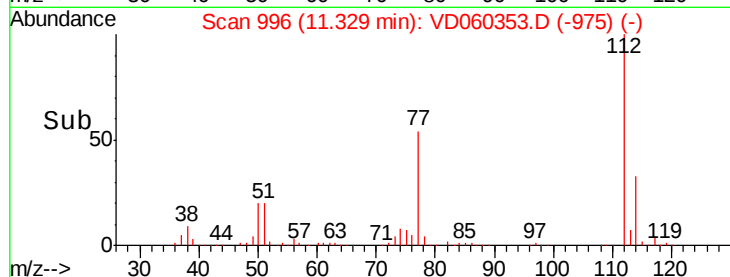
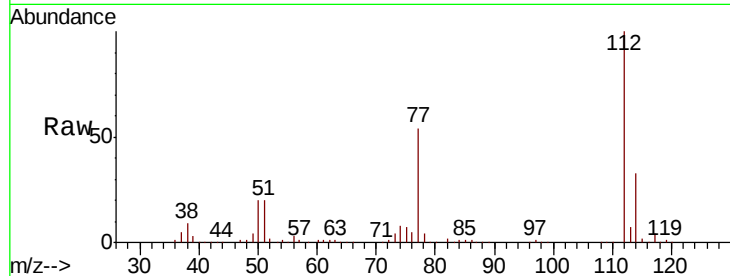




#65
Chlorobenzene
Concen: 50.968 ug/l
RT: 11.33 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

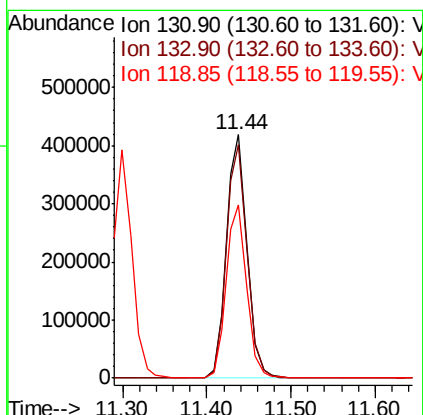
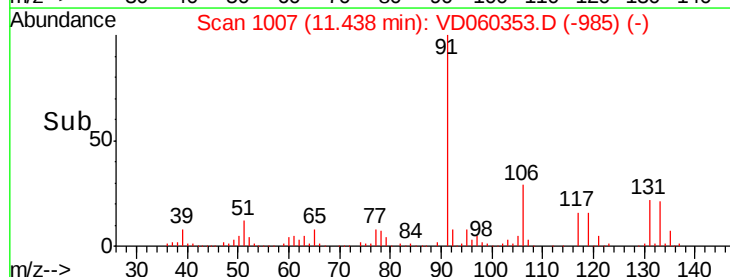
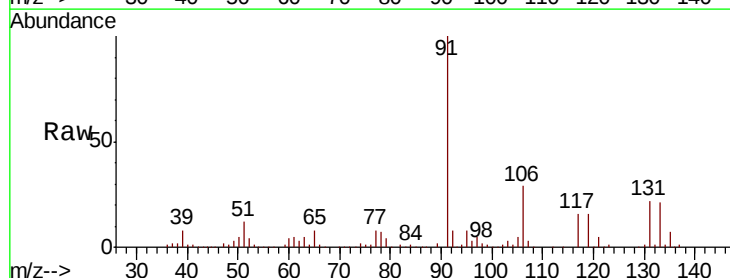
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 2085245
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.731 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion:131 Resp: 705873
Ion Ratio Lower Upper
131 100
133 96.0 50.0 150.0
119 70.9 37.0 111.1

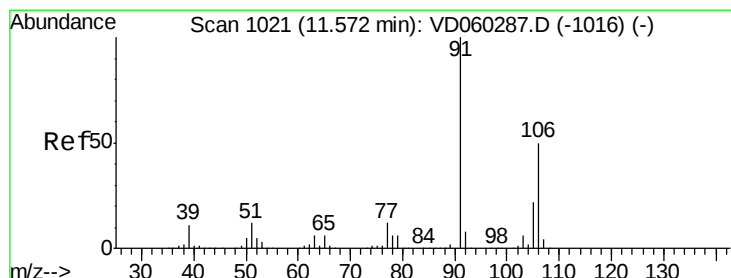
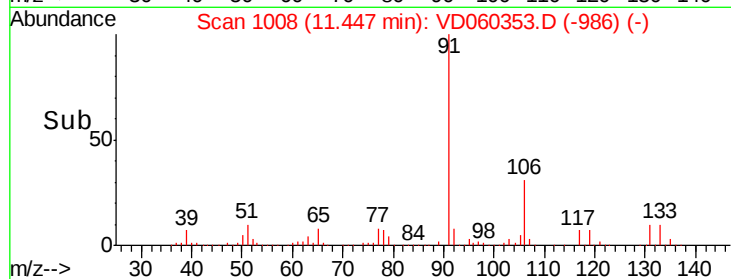
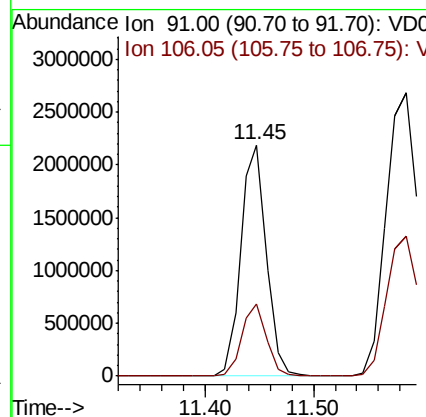
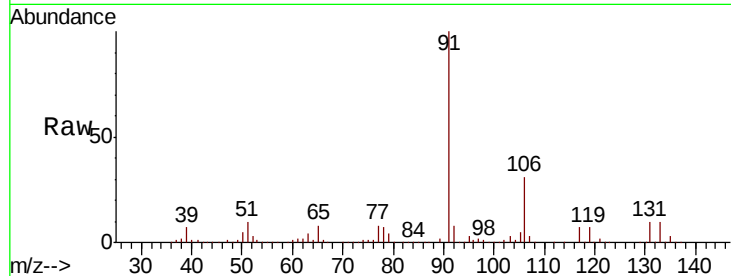




#67
Ethyl Benzene
Concen: 51.132 ug/l
RT: 11.45 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

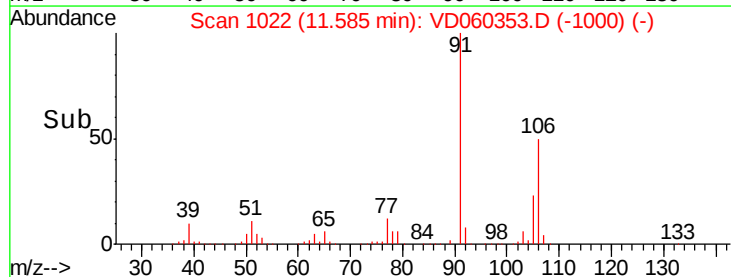
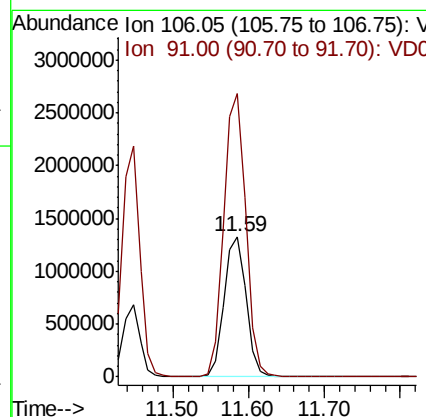
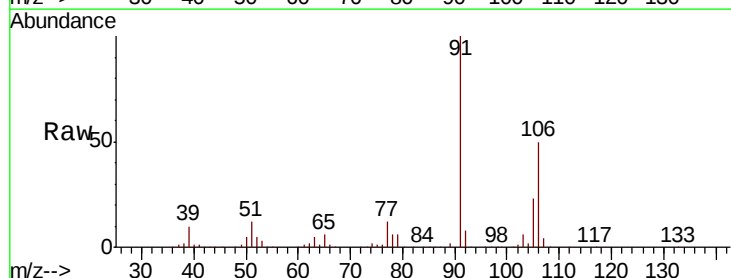
Instrument :
MSVOA_D
ClientSampled :

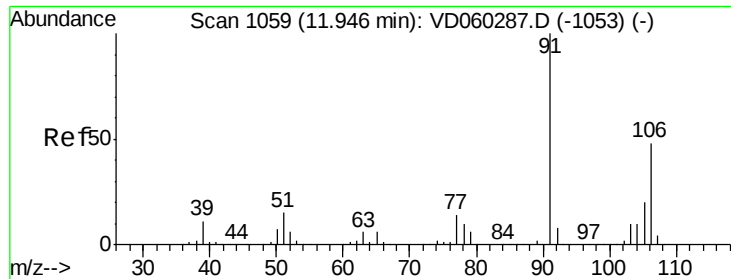
Tot Ion: 91 Resp: 3578582
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8



#68
m/p-Xylenes
Concen: 103.912 ug/l
RT: 11.59 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 106 Resp: 2682723
Ion Ratio Lower Upper
106 100
91 202.0 159.4 239.2

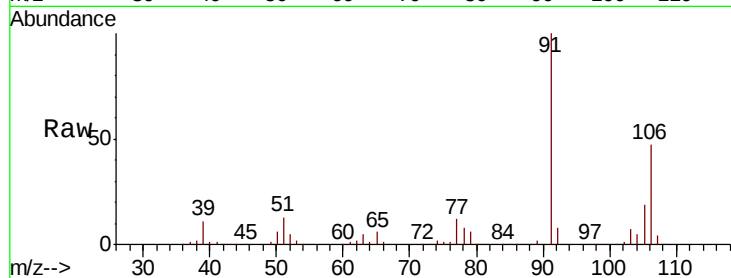




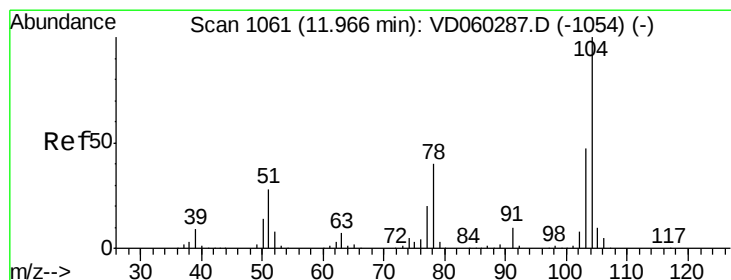
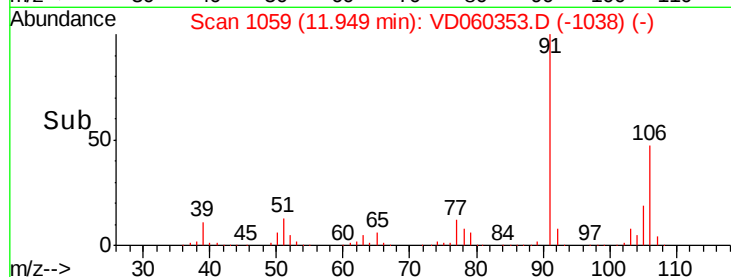
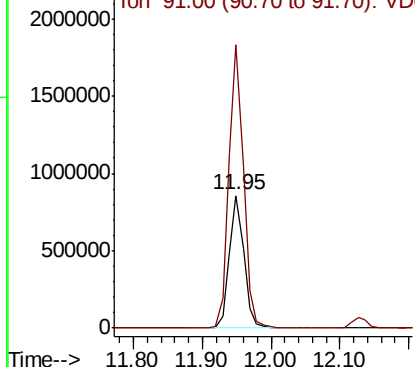
#69
o-Xylene
Concen: 50.217 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1252492
Ion Ratio Lower Upper
106 100
91 213.7 109.2 327.6

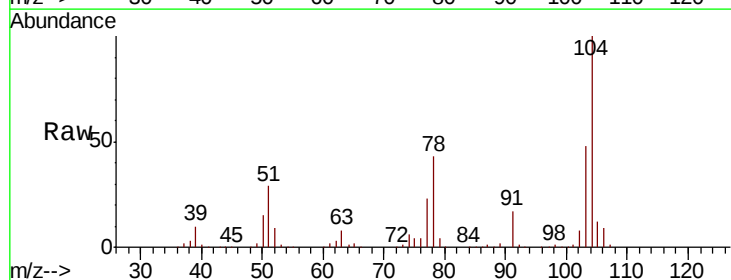


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

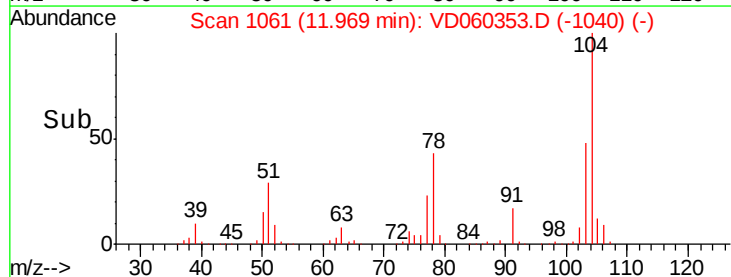
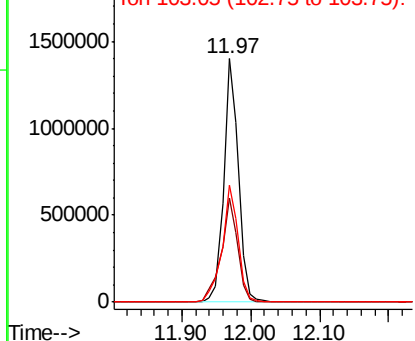


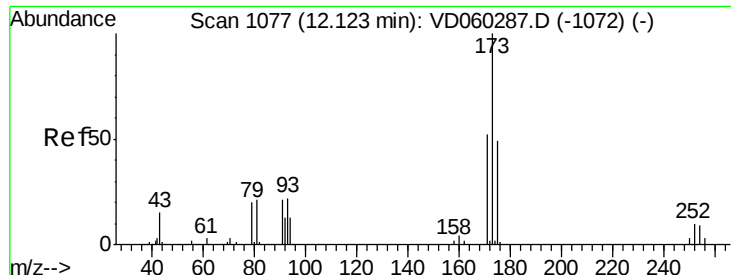
#70
Styrene
Concen: 50.869 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion:104 Resp: 2050453
Ion Ratio Lower Upper
104 100
78 43.0 31.6 47.4
103 48.3 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: 53.008 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

ClientSampleId :

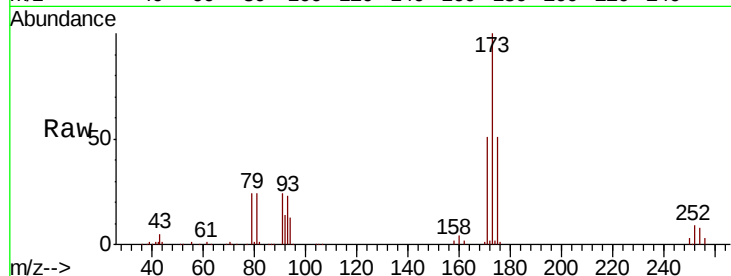
Tot Ion:173 Resp: 476818

Ion Ratio Lower Upper

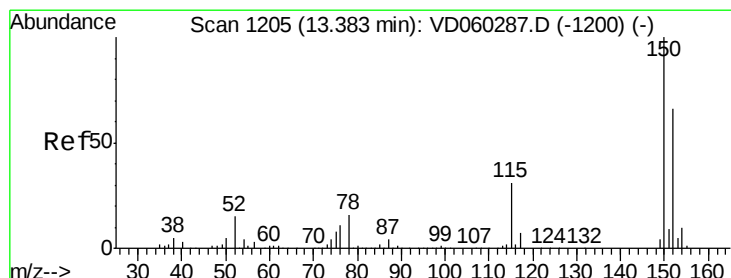
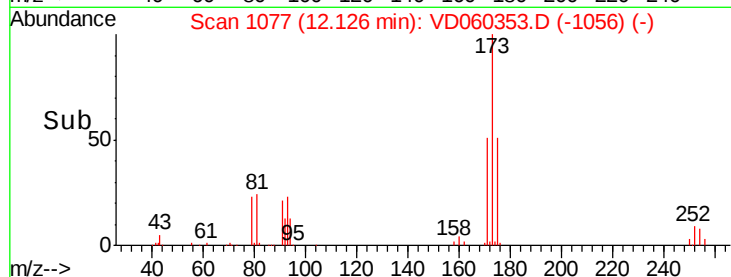
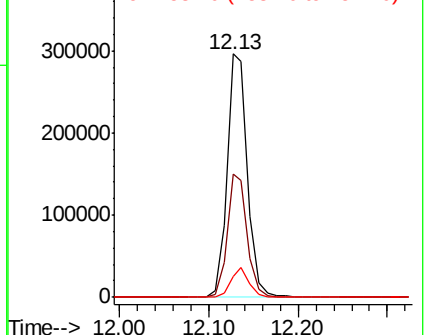
173 100

175 50.5 24.3 73.0

254 8.3 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: 13.39 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

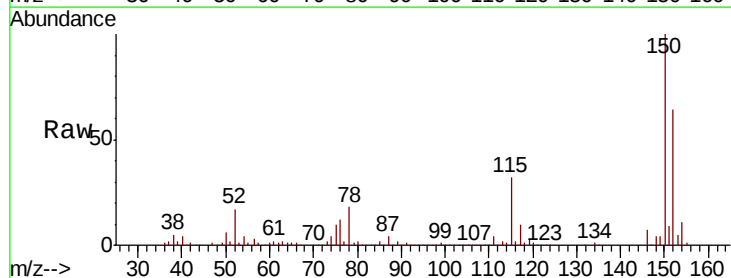
Tgt Ion:152 Resp: 992870

Ion Ratio Lower Upper

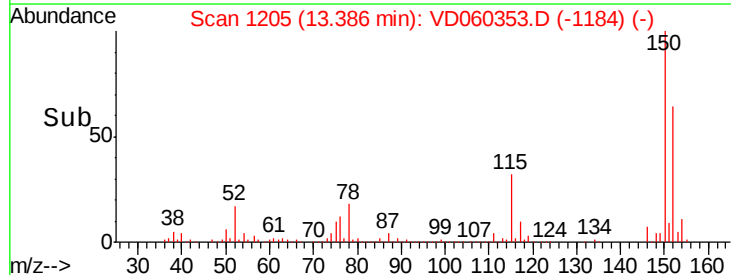
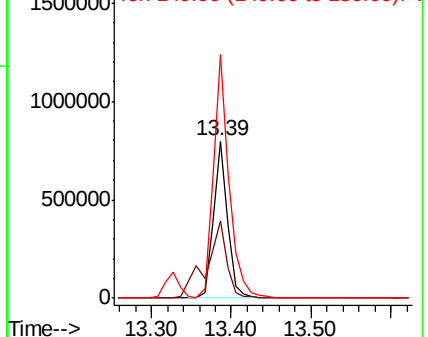
152 100

115 49.1 24.1 72.3

150 155.2 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: 50.079 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

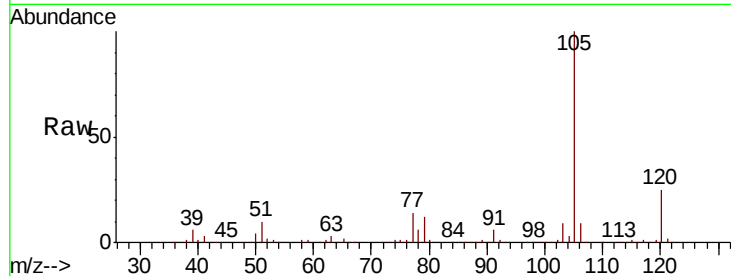
ClientSampleId :

Tot Ion:105 Resp: 3622587

Ion Ratio Lower Upper

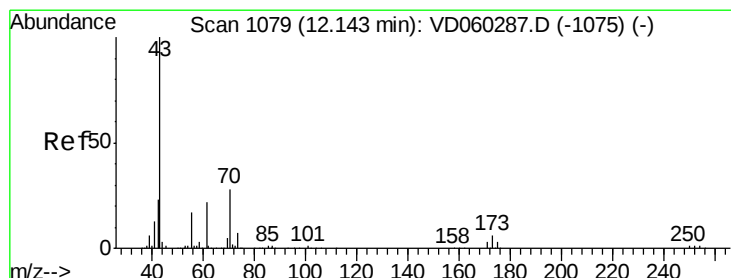
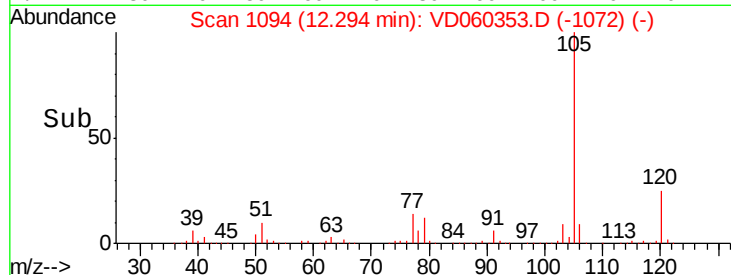
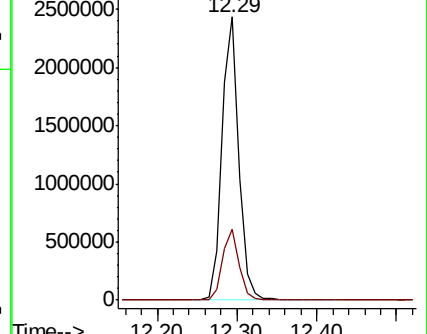
105 100

120 25.2 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.429 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Tgt Ion: 43 Resp: 879612

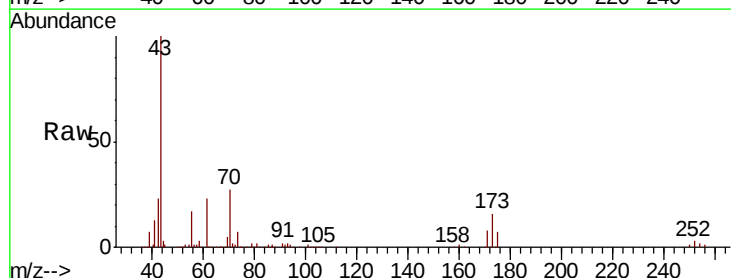
Ion Ratio Lower Upper

43 100

70 27.3 23.0 34.4

55 17.3 14.2 21.4

61 22.9 17.8 26.8

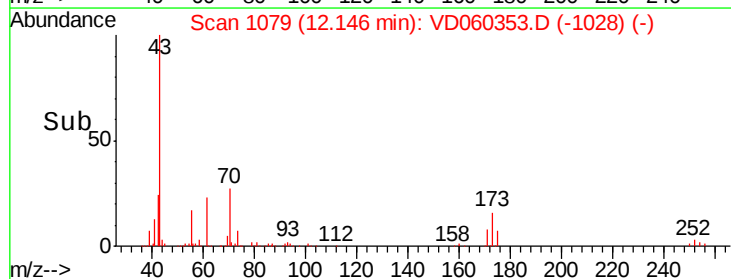
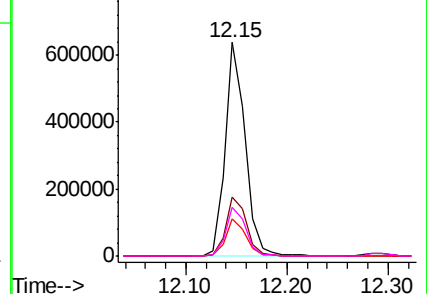


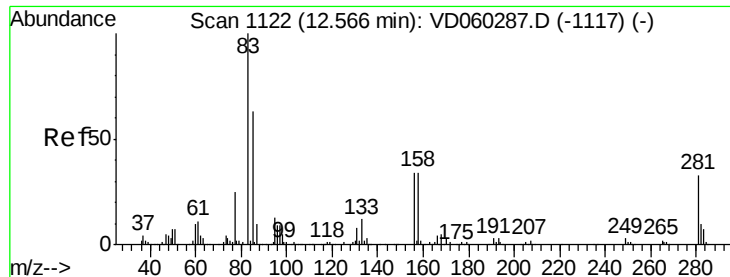
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.949 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

ClientSampled :

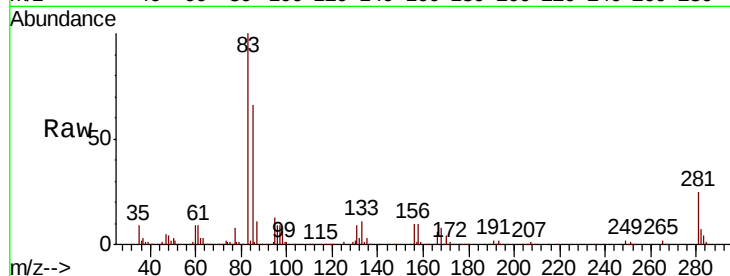
Tot Ion: 83 Resp: 567263

Ion Ratio Lower Upper

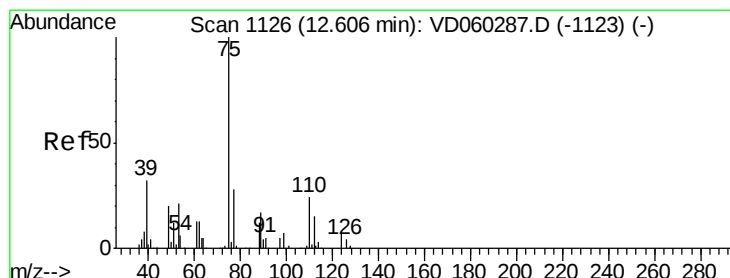
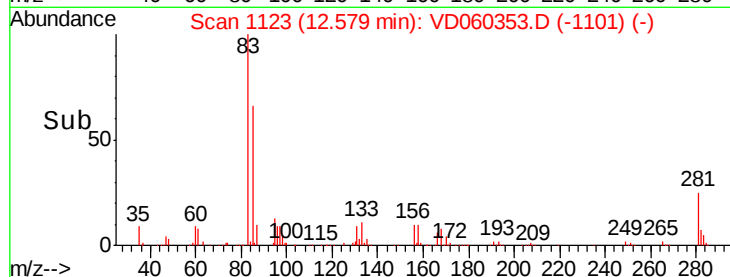
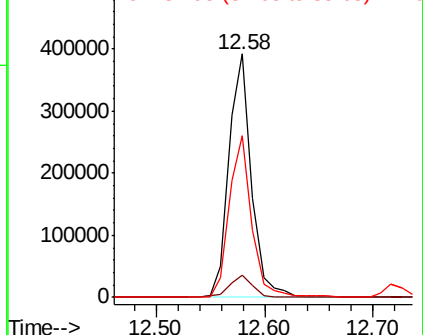
83 100

131 9.1 3.9 11.5

85 66.2 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: 49.073 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060353.D

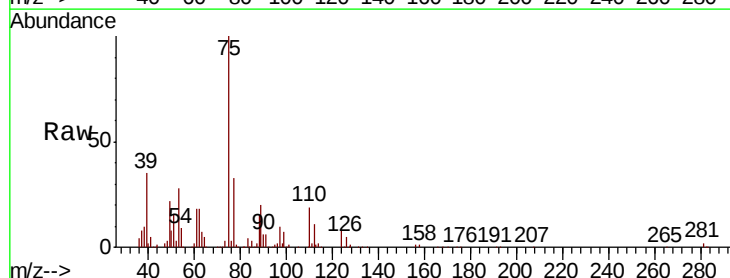
Acq: 13 Nov 2018 10:46

Tgt Ion: 75 Resp: 582847

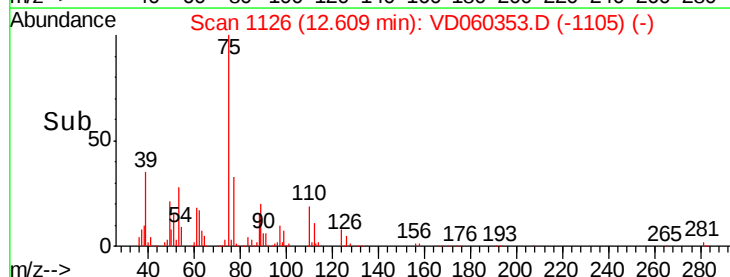
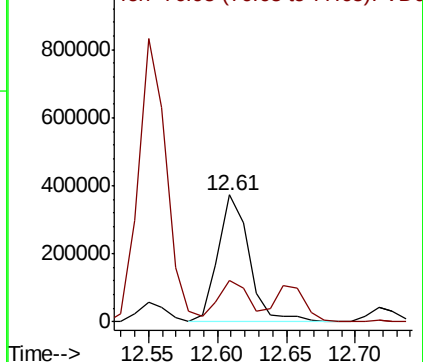
Ion Ratio Lower Upper

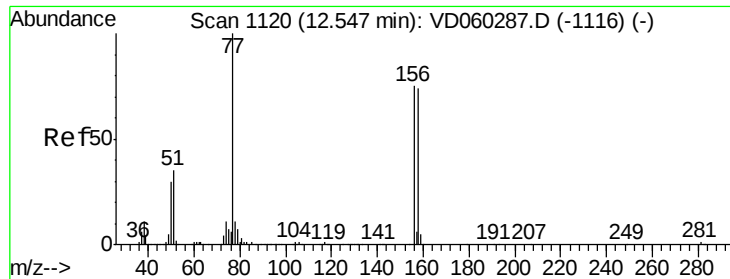
75 100

77 33.0 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: 49.770 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

ClientSampled :

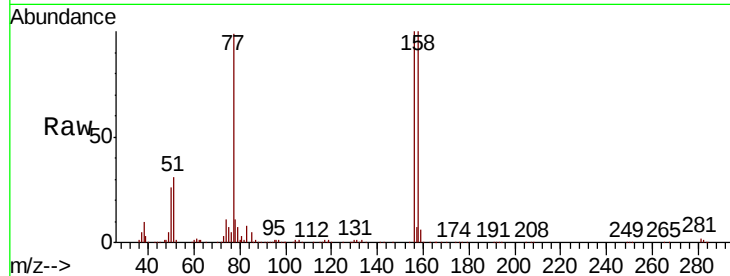
Tot Ion:156 Resp: 956331

Ion Ratio Lower Upper

156 100

77 99.5 61.2 183.6

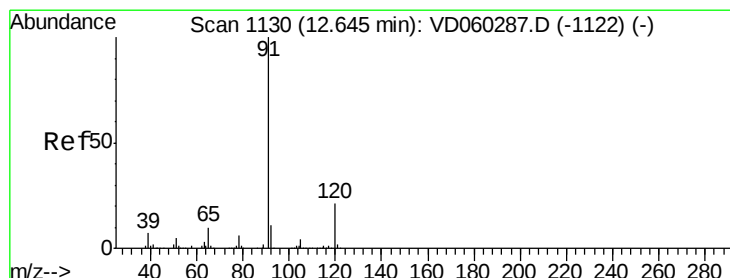
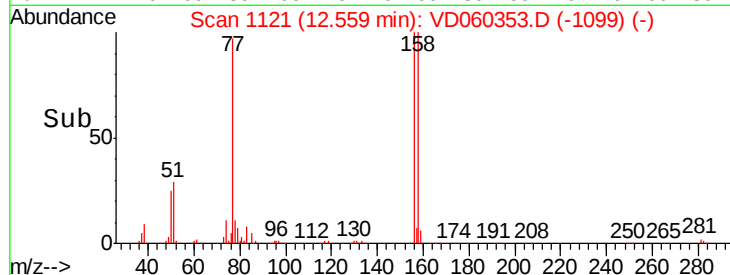
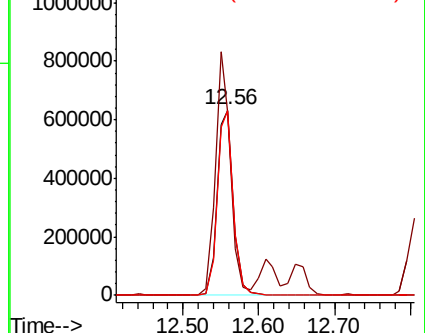
158 100.0 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.139 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060353.D

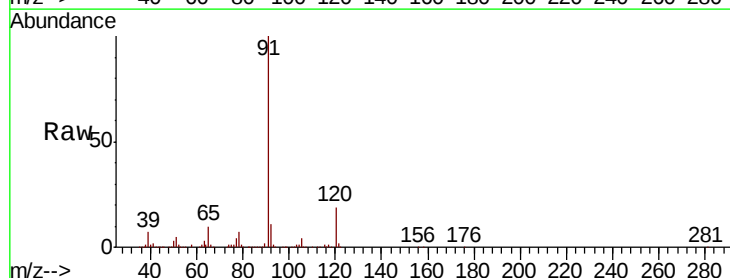
Acq: 13 Nov 2018 10:46

Tgt Ion: 91 Resp: 4436778

Ion Ratio Lower Upper

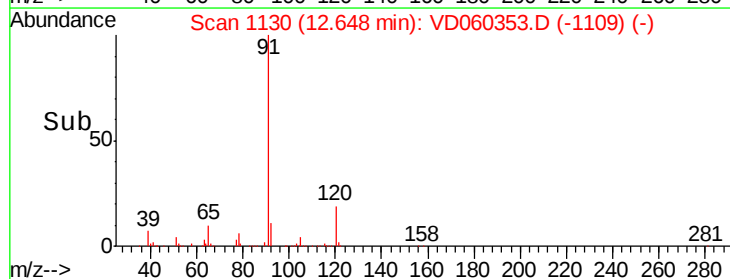
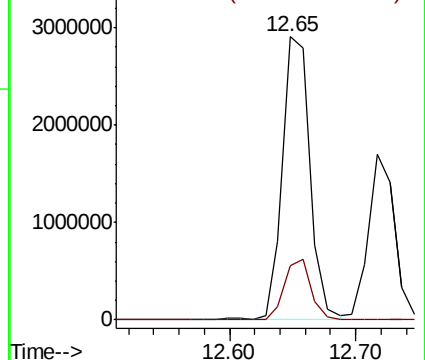
91 100

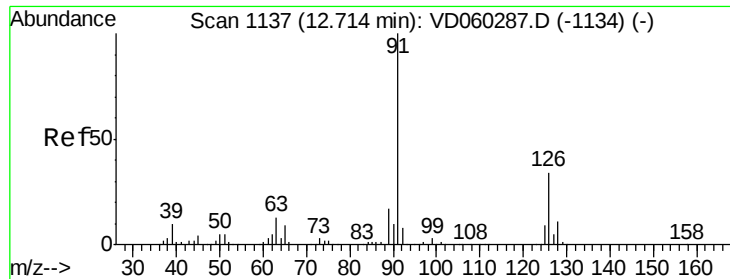
120 19.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

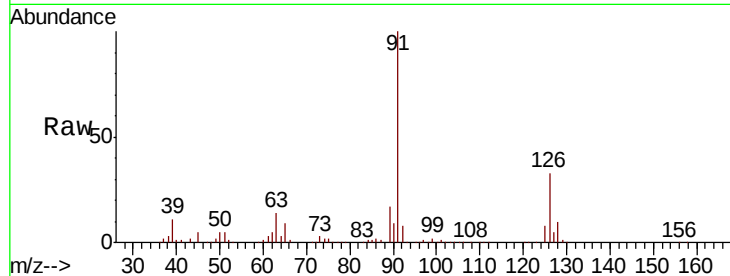




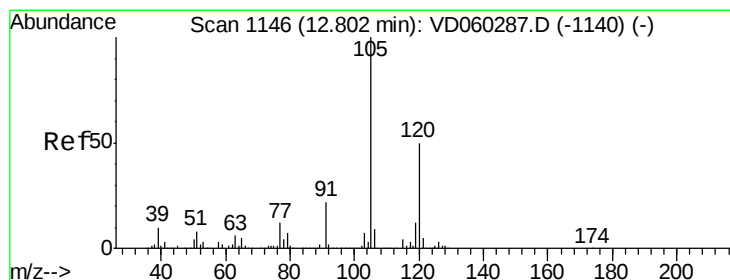
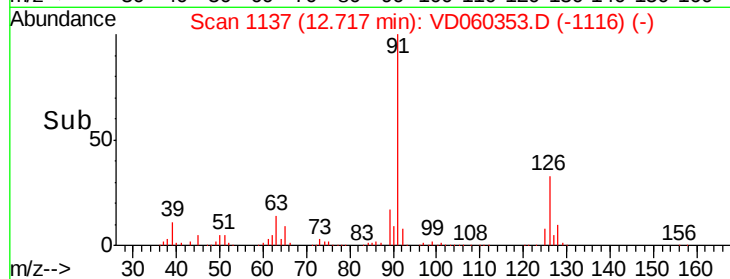
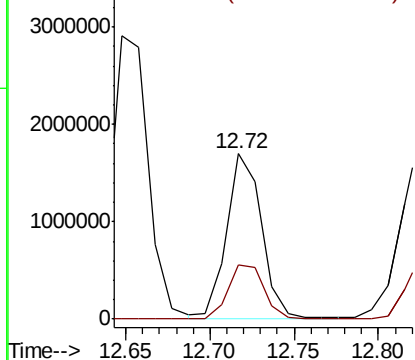
#79
 2-Chlorotoluene
 Concen: 49.240 ug/l
 RT: 12.72 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 2434987
 Ion Ratio Lower Upper
 91 100
 126 32.6 17.4 52.2

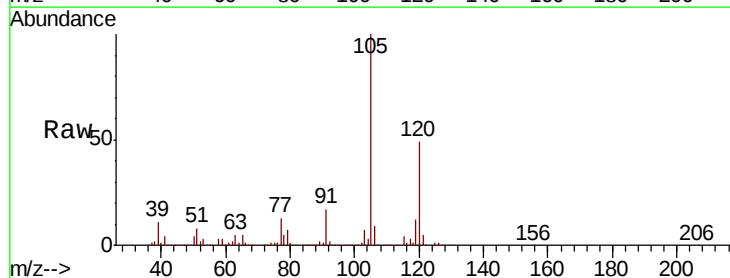


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

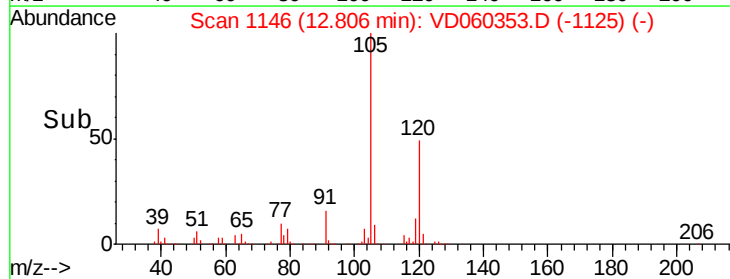
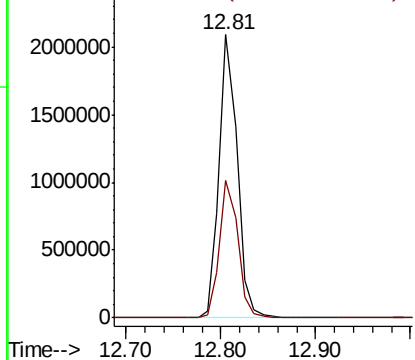


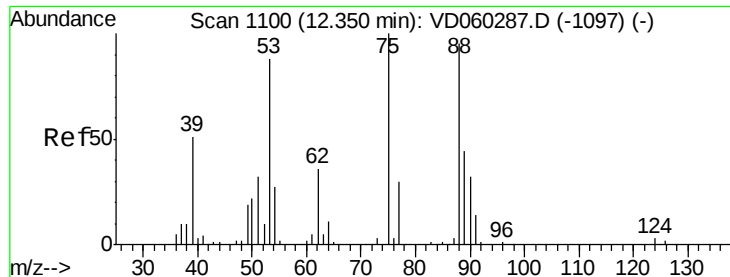
#80
 1,3,5-Trimethylbenzene
 Concen: 49.336 ug/l
 RT: 12.81 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion:105 Resp: 2773576
 Ion Ratio Lower Upper
 105 100
 120 48.5 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: 51.455 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060353.D

Acq: 13 Nov 2018 10:46

Instrument :

MSVOA_D

ClientSampleId :

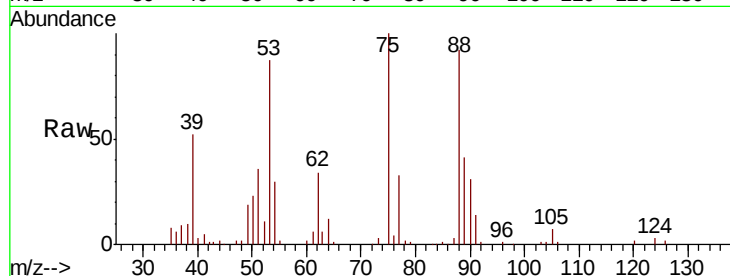
Tot Ion: 75 Resp: 173988

Ion Ratio Lower Upper

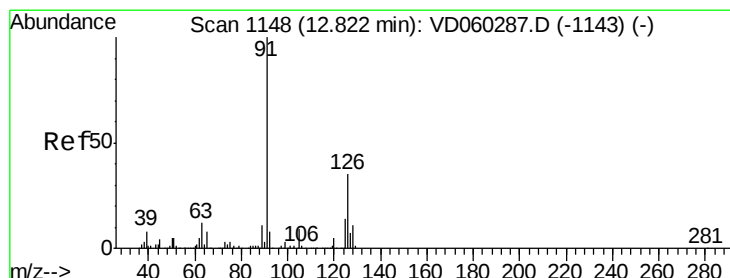
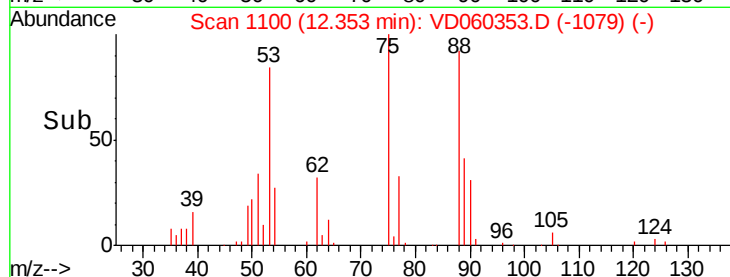
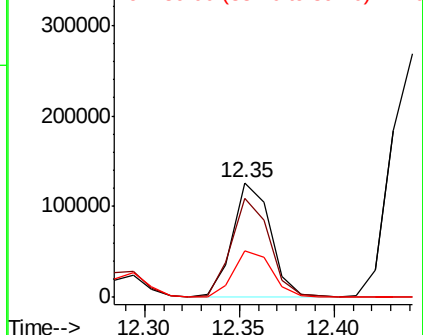
75 100

53 86.5 68.6 103.0

89 40.8 34.1 51.1



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



#82

4-Chlorotoluene

Concen: 49.766 ug/l

RT: 12.83 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060353.D

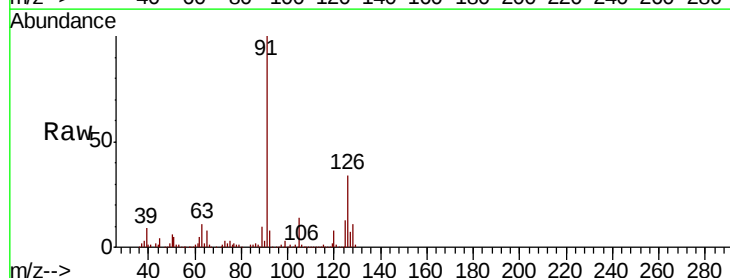
Acq: 13 Nov 2018 10:46

Tgt Ion: 91 Resp: 2764505

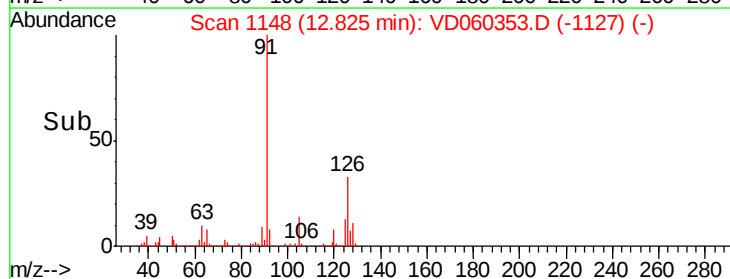
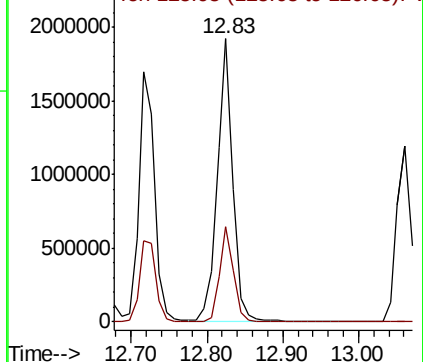
Ion Ratio Lower Upper

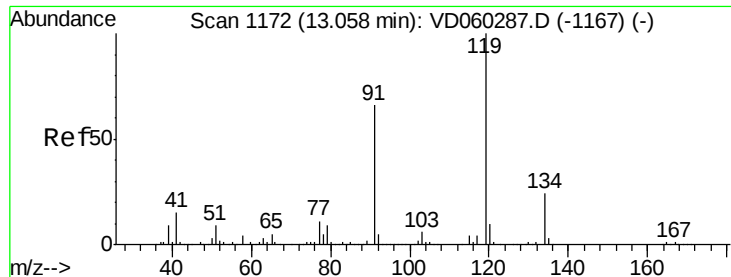
91 100

126 33.7 14.8 44.4



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

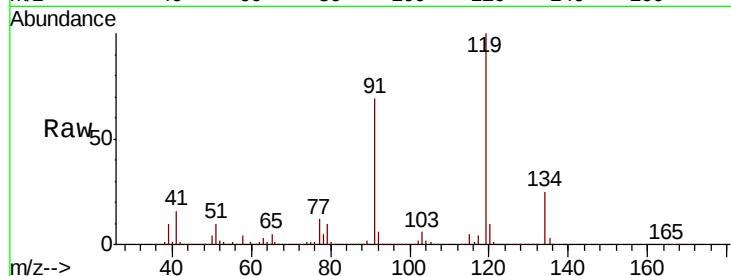




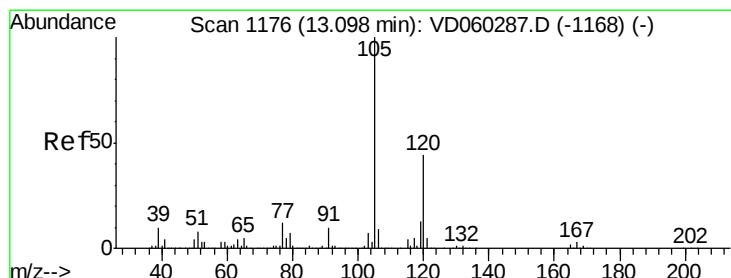
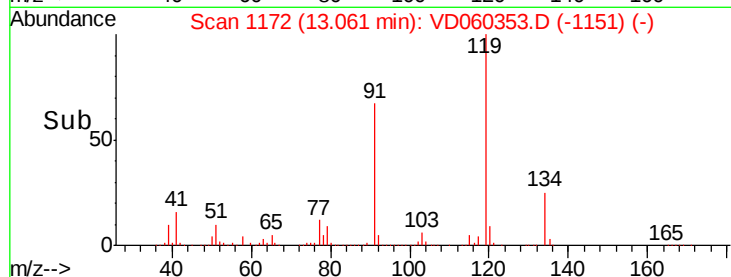
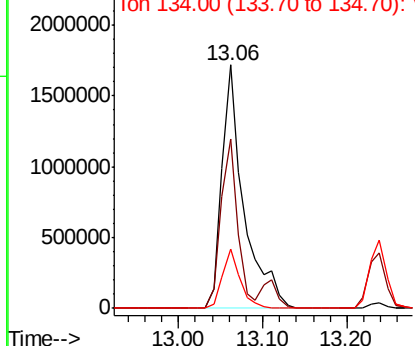
#83
tert-Butylbenzene
Concen: 50.295 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 3139119
Ion Ratio Lower Upper
119 100
91 69.4 32.7 98.1
134 24.6 12.1 36.3

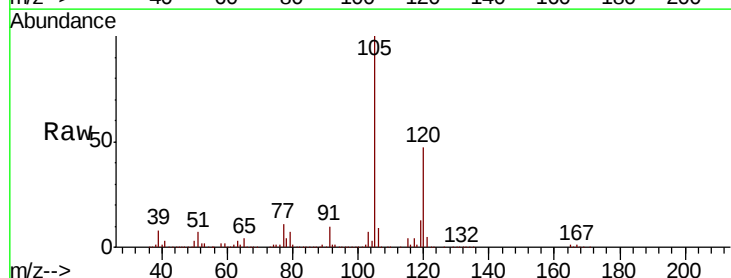


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

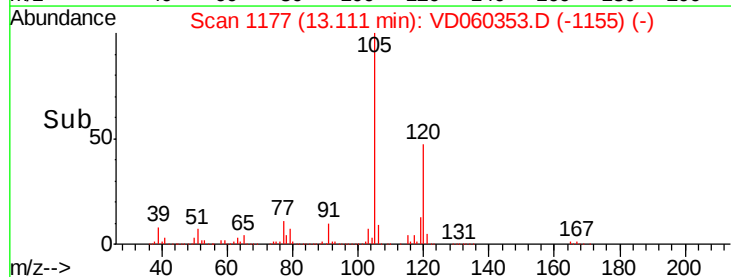
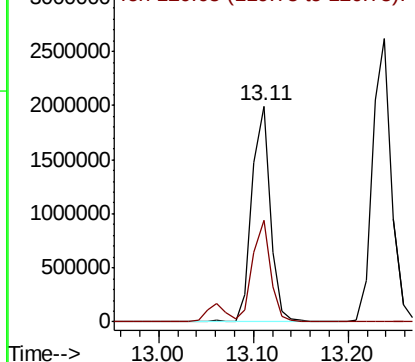


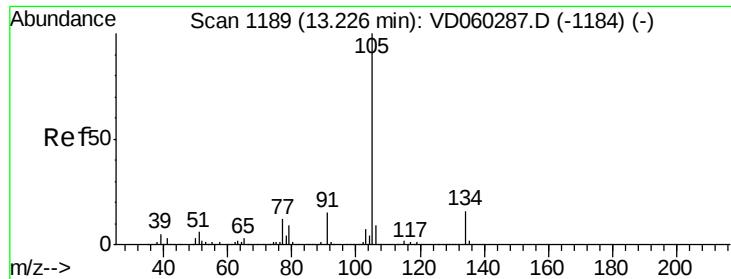
#84
1,2,4-Trimethylbenzene
Concen: 47.997 ug/l
RT: 13.11 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion:105 Resp: 2694769
Ion Ratio Lower Upper
105 100
120 47.1 21.9 65.8



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

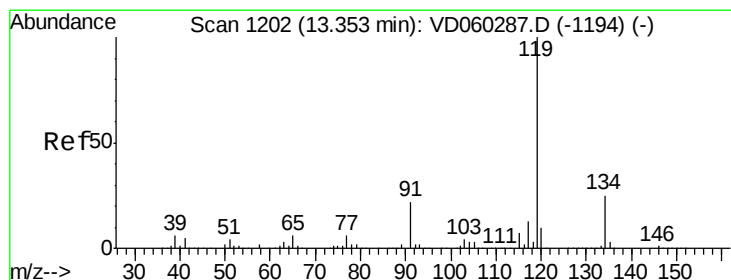
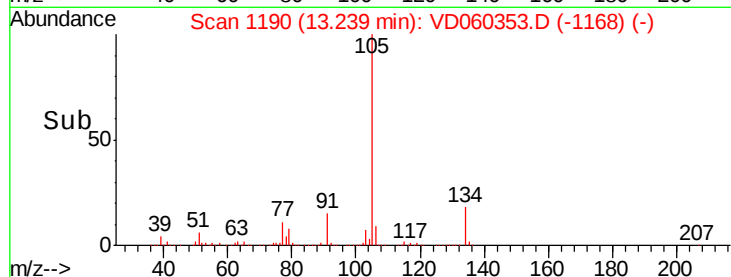
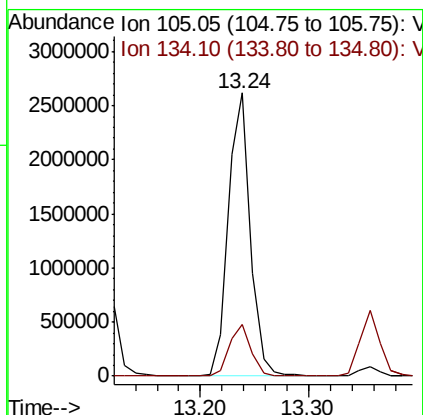
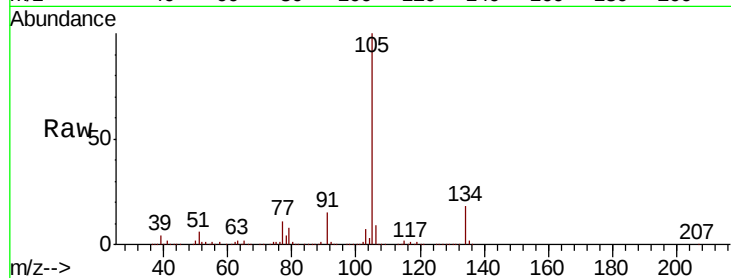




#85
 sec-Butylbenzene
 Concen: 48.100 ug/l
 RT: 13.24 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

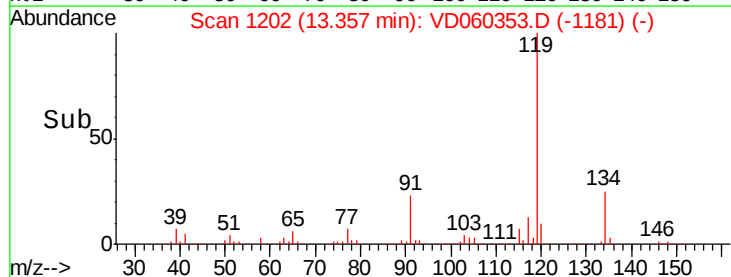
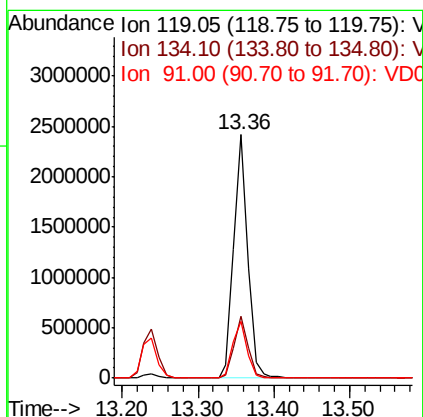
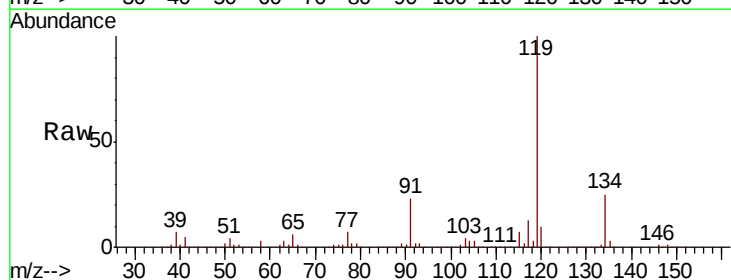
Instrument :
 MSVOA_D
 ClientSampleId :

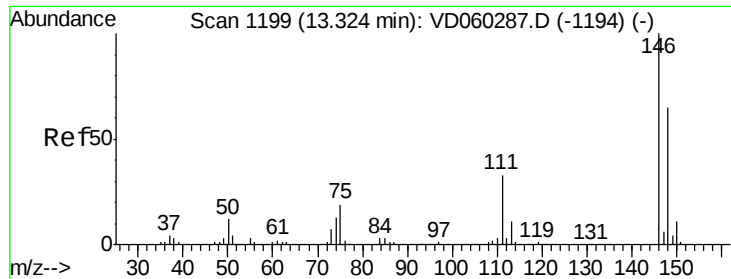
Tot Ion:105 Resp: 3683213
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 49.510 ug/l
 RT: 13.36 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion:119 Resp: 3053072
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.6
 91 23.4 11.3 33.8

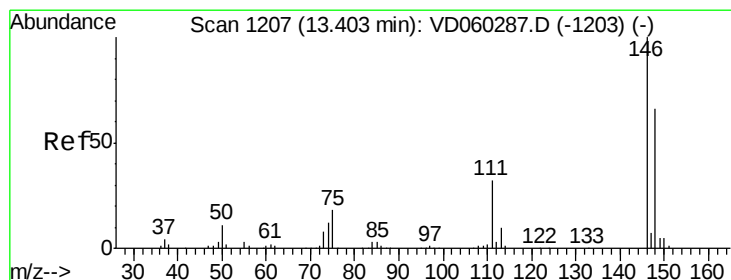
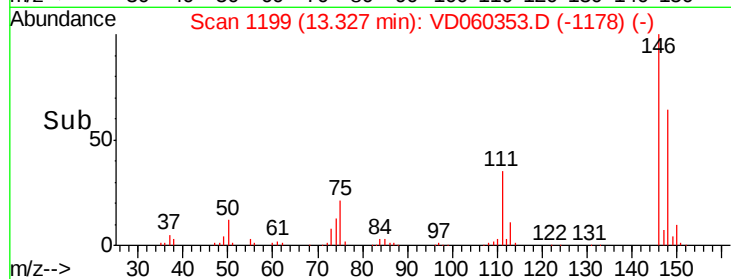
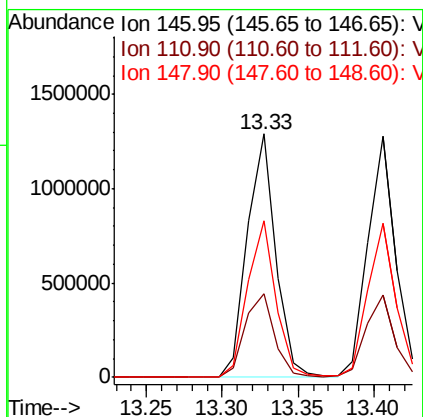
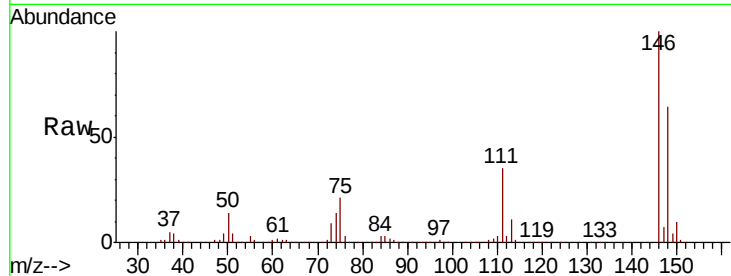




#87
 1,3-Dichlorobenzene
 Concen: 49.618 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

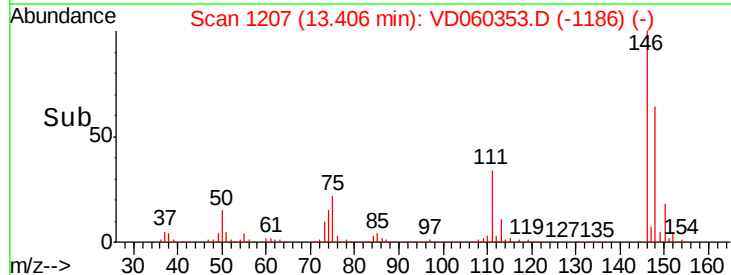
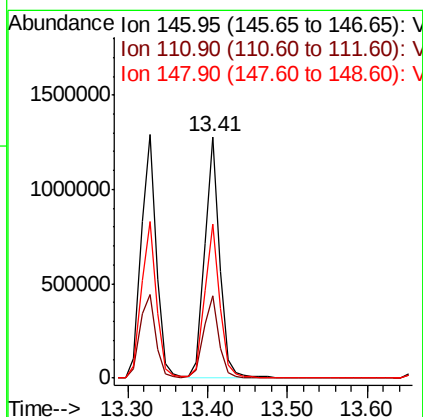
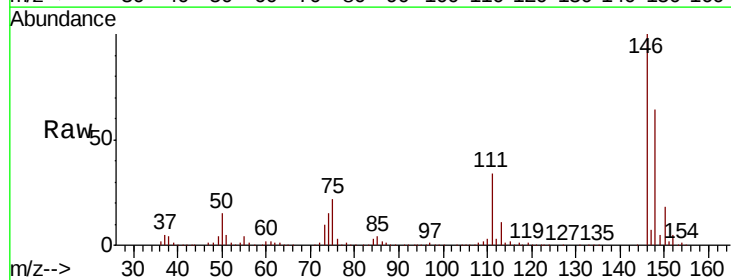
Instrument :
 MSVOA_D
 ClientSampleId :

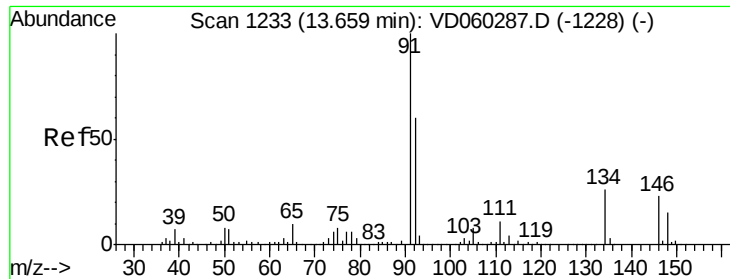
Tot Ion:146 Resp: 1696246
 Ion Ratio Lower Upper
 146 100
 111 34.5 20.2 60.5
 148 64.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.865 ug/l
 RT: 13.41 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion:146 Resp: 1664854
 Ion Ratio Lower Upper
 146 100
 111 34.2 16.0 47.9
 148 64.0 32.9 98.7

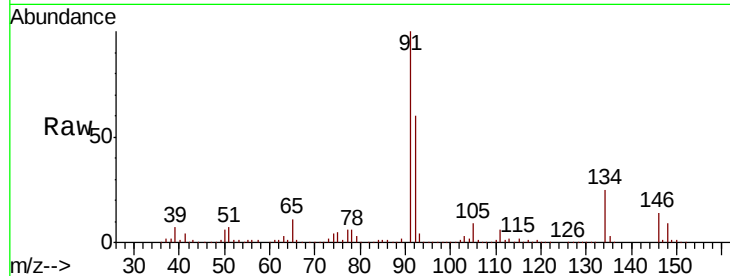




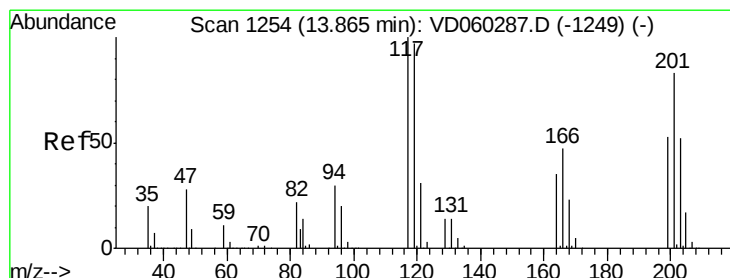
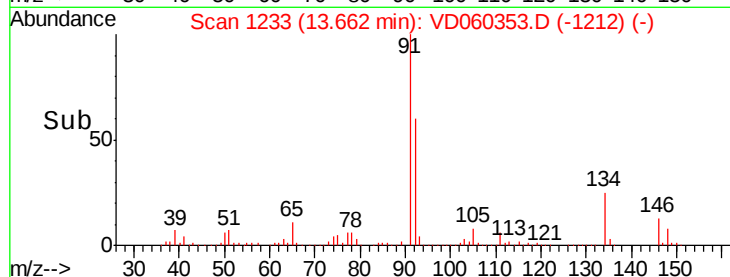
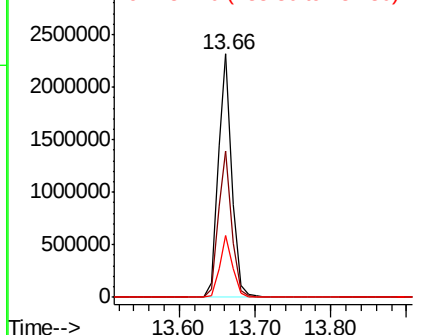
#89
n-Butylbenzene
Concen: 48.579 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 2930378
Ion Ratio Lower Upper
91 100
92 60.2 30.3 90.9
134 25.5 13.0 38.9

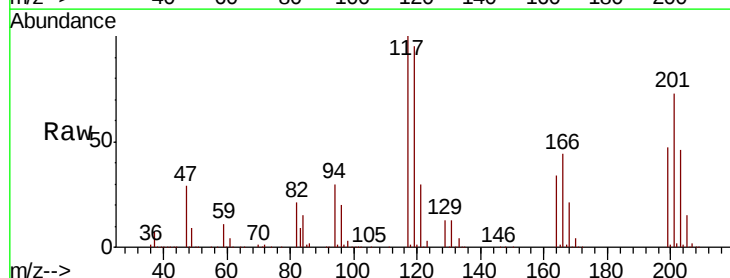


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

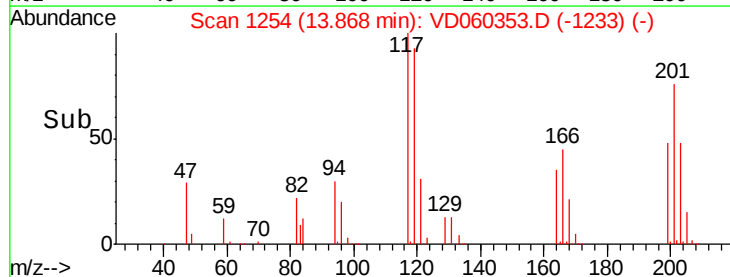
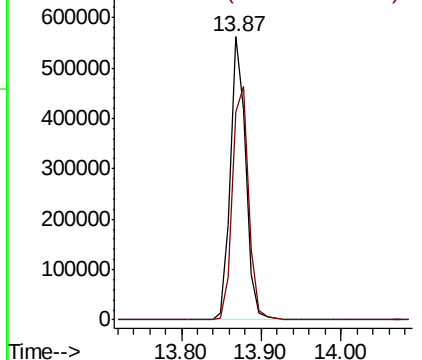


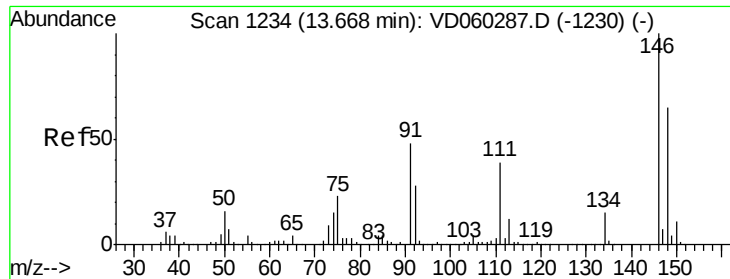
#90
Hexachloroethane
Concen: 52.558 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion: 117 Resp: 768514
Ion Ratio Lower Upper
117 100
201 73.4 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

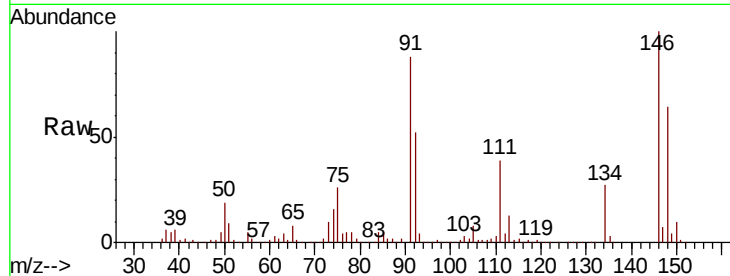




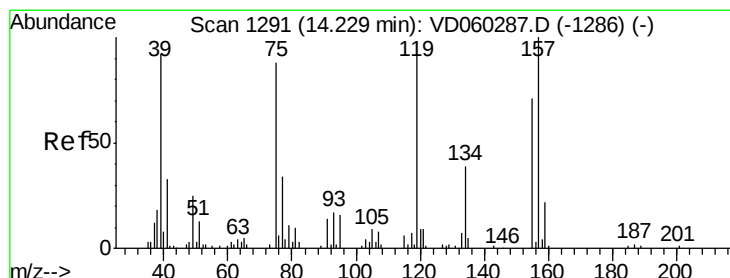
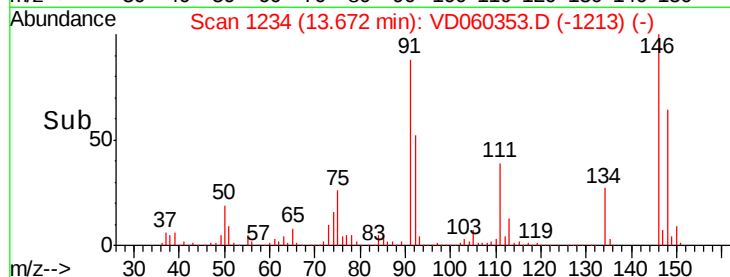
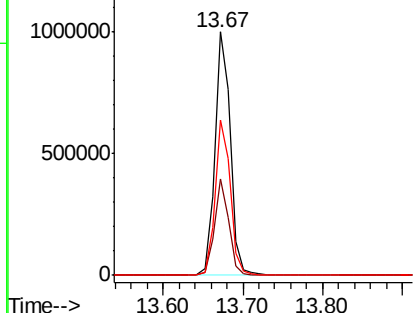
#91
 1,2-Dichlorobenzene
 Concen: 48.096 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 1350508
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.9 56.9
 148 63.8 31.6 94.8

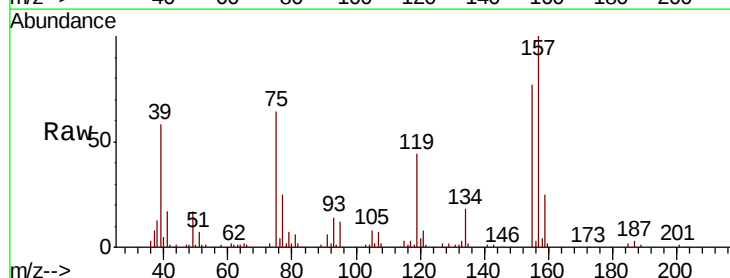


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

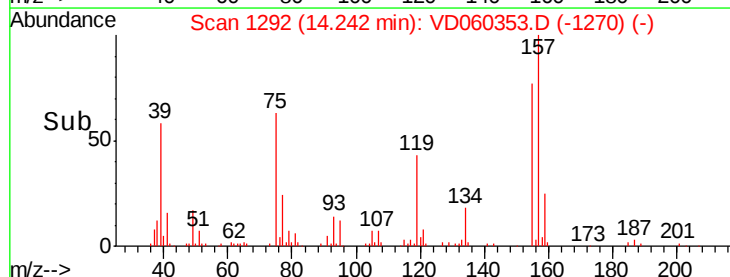
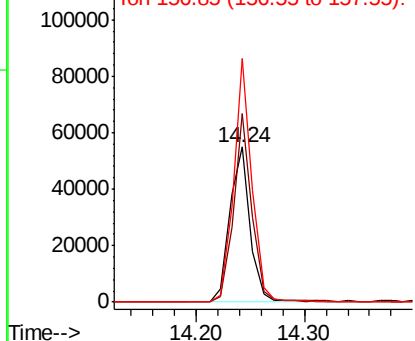


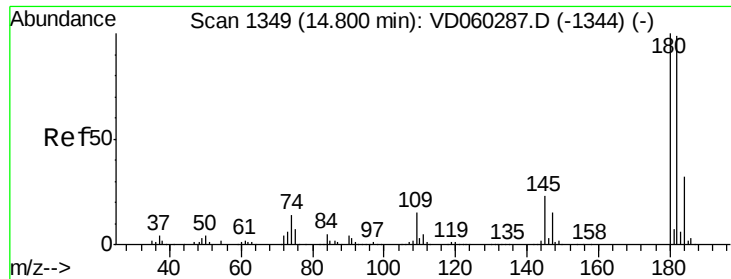
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.403 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion: 75 Resp: 71979
 Ion Ratio Lower Upper
 75 100
 155 121.2 64.3 192.9
 157 156.9 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

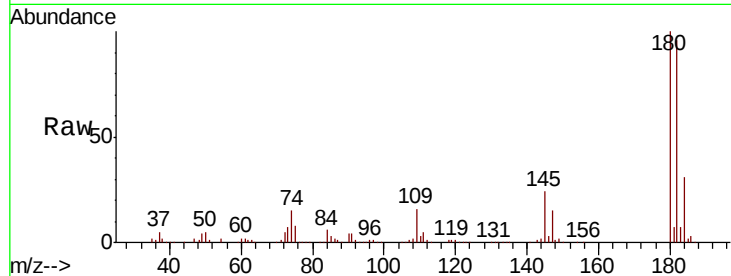




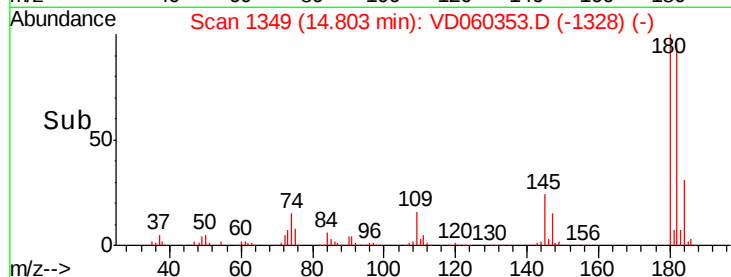
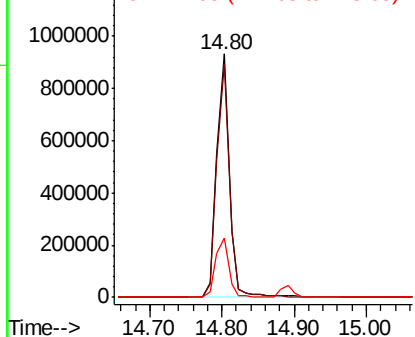
#93
 1,2,4-Trichlorobenzene
 Concen: 50.375 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 1121516
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.1 144.4
 145 24.2 11.5 34.4

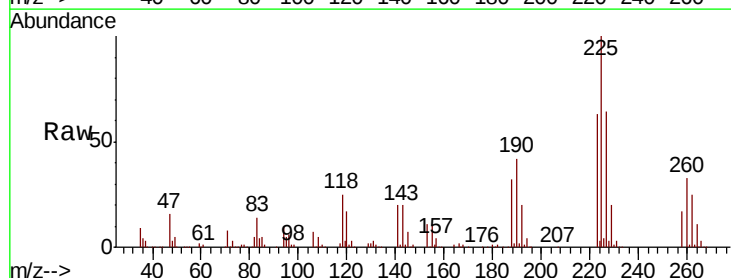


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

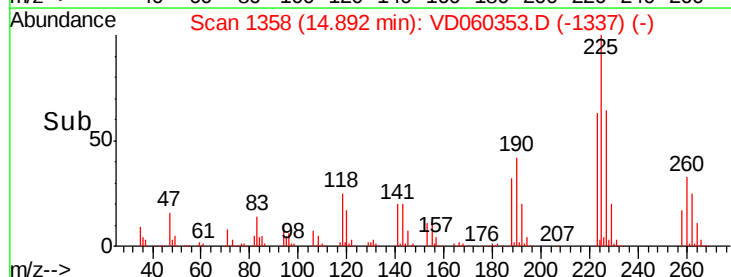
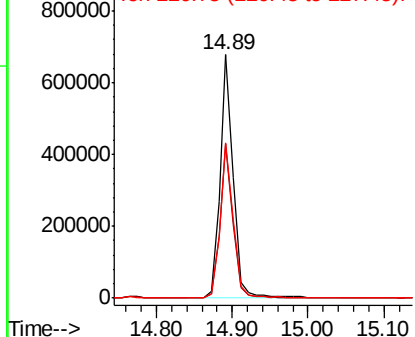


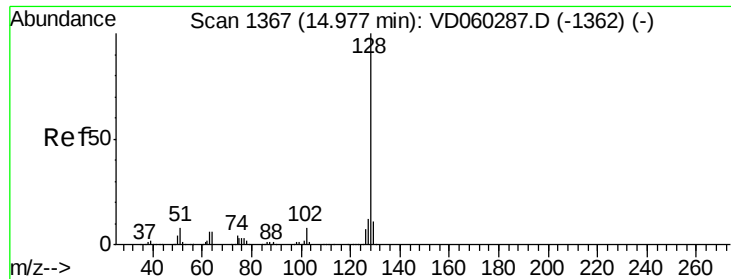
#94
 Hexachlorobutadiene
 Concen: 49.980 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060353.D
 Acq: 13 Nov 2018 10:46

Tgt Ion:225 Resp: 832278
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 94.8
 227 63.7 32.3 96.9



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

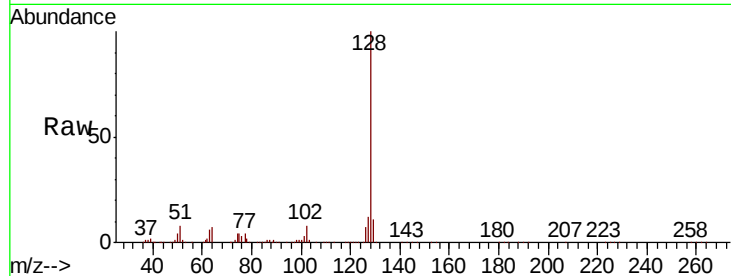




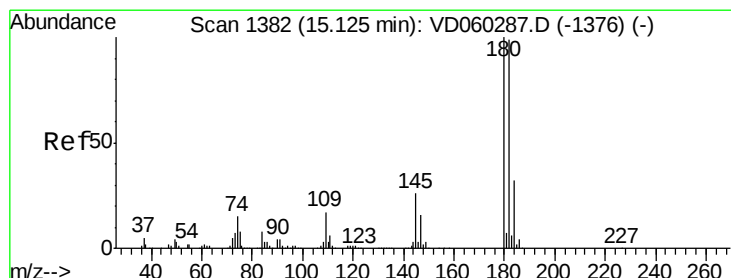
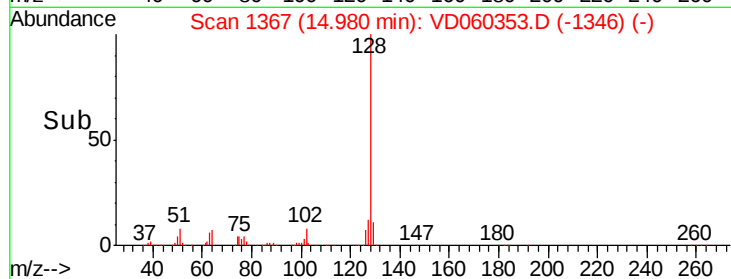
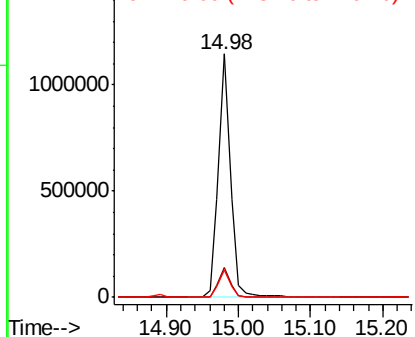
#95
Naphthalene
Concen: 48.591 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1320938
Ion Ratio Lower Upper
128 100
127 12.0 9.6 14.4
129 11.1 8.6 12.8

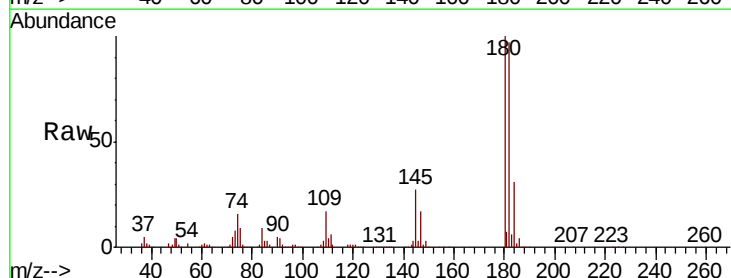


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.768 ug/l
RT: 15.13 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD060353.D
Acq: 13 Nov 2018 10:46

Tgt Ion:180 Resp: 870032
Ion Ratio Lower Upper
180 100
182 96.7 48.9 146.7
145 26.8 12.9 38.6



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

