

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059692.D
 Acq On : 6 Aug 2018 13:59
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 04:01:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	203181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	254538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	191716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	111044	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	12753	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
35) Dibromofluoromethane	5.52	113	11136	4.74	ug/l	0.00
Spiked Amount			Recovery	=	9.48%	
50) Toluene-d8	8.69	98	27281	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
62) 4-Bromofluorobenzene	11.91	95	12643	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	15864	5.605	ug/l	86
3) Chloromethane	1.47	50	6472	5.217	ug/l	92
4) Vinyl Chloride	1.54	62	7055	4.771	ug/l	96
5) Bromomethane	1.77	94	2433	4.702	ug/l	98
6) Chloroethane	1.86	64	2902	4.909	ug/l	93
7) Trichlorofluoromethane	2.06	101	12920	5.401	ug/l	92
8) Diethyl Ether	2.32	74	1884	4.221	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.53	101	6565	4.754	ug/l	92
10) Methyl Iodide	2.67	142	7502	4.761	ug/l	98
11) Tert butyl alcohol	3.25	59	1961	20.962	ug/l #	76
12) 1,1-Dichloroethene	2.52	96	4383	4.293	ug/l #	88
13) Acrolein	2.45	56	1930	21.612	ug/l #	79
14) Allyl chloride	2.89	41	10639	4.587	ug/l	96
15) Acrylonitrile	3.33	53	5891	21.905	ug/l	89
16) Acetone	2.59	43	10792	21.837	ug/l	95
17) Carbon Disulfide	2.73	76	16125	4.465	ug/l	98
18) Methyl Acetate	2.90	43	5889	6.658	ug/l #	84
19) Methyl tert-butyl Ether	3.38	73	17617	4.485	ug/l	100
20) Methylene Chloride	3.04	84	16088	8.734	ug/l #	86
21) trans-1,2-Dichloroethene	3.36	96	5414	3.910	ug/l	95
22) Diisopropyl ether	4.03	45	28047	5.297	ug/l	96
23) Vinyl Acetate	3.98	43	86036	26.034	ug/l #	95
24) 1,1-Dichloroethane	3.94	63	17700	4.963	ug/l #	88
25) 2-Butanone	4.81	43	16659	26.437	ug/l	93
26) 2,2-Dichloropropane	4.77	77	19275	4.977	ug/l	90
27) cis-1,2-Dichloroethene	4.77	96	10241	5.470	ug/l	95
28) Bromochloromethane	5.12	49	6412	4.851	ug/l #	81
29) Tetrahydrofuran	5.16	42	6356	25.781	ug/l	93
30) Chloroform	5.29	83	21955	5.100	ug/l	98
31) Cyclohexane	5.57	56	18557	7.148	ug/l #	85
32) 1,1,1-Trichloroethane	5.49	97	20729	4.913	ug/l	96
36) 1,1-Dichloropropene	5.72	75	14807	5.204	ug/l	94
37) Ethyl Acetate	4.89	43	6646	4.966	ug/l #	72
38) Carbon Tetrachloride	5.70	117	19268	5.000	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	12923	5.487	ug/l	87
40) Benzene	5.98	78	29586	5.394	ug/l	93
41) Methacrylonitrile	5.09	41	2969	4.579	ug/l	95
42) 1,2-Dichloroethane	6.10	62	16980	5.028	ug/l	99
43) Isopropyl Acetate	7.60	43	8952	5.048	ug/l	92
44) Trichloroethene	6.96	130	9813	4.903	ug/l	99
45) 1,2-Dichloropropane	7.34	63	7866	5.552	ug/l	100
46) Dibromomethane	7.44	93	5916	4.744	ug/l #	78
47) Bromodichloromethane	7.72	83	15278	4.778	ug/l	99
48) Methyl methacrylate	7.49	41	5677	4.832	ug/l	95
49) 1,4-Dioxane	7.47	88	433	47.389	ug/l #	25
51) 4-Methyl-2-Pentanone	8.58	43	31013	24.019	ug/l	92
52) Toluene	8.78	92	20773	6.012	ug/l	82
53) t-1,3-Dichloropropene	9.17	75	13044	4.817	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	14458	5.290	ug/l #	81
55) 1,1,2-Trichloroethane	9.43	97	7912	5.972	ug/l #	84
56) Ethyl methacrylate	9.30	69	6597	4.403	ug/l	93
57) 1,3-Dichloropropane	9.64	76	10183	4.779	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.17	63	17113	24.199	ug/l	97
59) 2-Hexanone	9.77	43	22342	22.863	ug/l	87
60) Dibromochloromethane	9.94	129	9376	4.351	ug/l	89
61) 1,2-Dibromoethane	10.07	107	7422	4.755	ug/l	95
64) Tetrachloroethene	9.49	164	10666	5.976	ug/l	89
65) Chlorobenzene	10.70	112	24823	6.379	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.83	131	9832	5.621	ug/l	95
67) Ethyl Benzene	10.84	91	42239	5.872	ug/l	99
68) m/p-Xylenes	11.00	106	27961	12.250	ug/l	90
69) o-Xylene	11.39	106	13550	6.054	ug/l	89
70) Styrene	11.42	104	22311	6.025	ug/l	93
71) Bromoform	11.59	173	6006	4.541	ug/l #	94
73) Isopropylbenzene	11.76	105	40220	5.347	ug/l	97
74) N-amyl acetate	11.63	43	11883	5.051	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.06	83	8019	5.481	ug/l	92
76) 1,2,3-Trichloropropane	12.10	75	8958	5.196	ug/l	99
77) Bromobenzene	12.03	156	12247	5.675	ug/l	80
78) n-propylbenzene	12.14	91	52273	5.618	ug/l	99
79) 2-Chlorotoluene	12.20	91	30222	5.392	ug/l	100
80) 1,3,5-Trimethylbenzene	12.31	105	36034	5.828	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	1808	4.202	ug/l	91
82) 4-Chlorotoluene	12.32	91	38207	5.831	ug/l	82
83) tert-Butylbenzene	12.56	119	37194	5.324	ug/l	98
84) 1,2,4-Trimethylbenzene	12.61	105	36777	5.612	ug/l	91
85) sec-Butylbenzene	12.75	105	43757	5.675	ug/l	98
86) p-Isopropyltoluene	12.88	119	34273	5.132	ug/l	90
87) 1,3-Dichlorobenzene	12.83	146	22137	5.856	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	20035	5.278	ug/l	98
89) n-Butylbenzene	13.18	91	38106	5.785	ug/l	98
90) Hexachloroethane	13.39	117	7905	4.533	ug/l	94
91) 1,2-Dichlorobenzene	13.18	146	19143	6.141	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	1306	4.073	ug/l	65

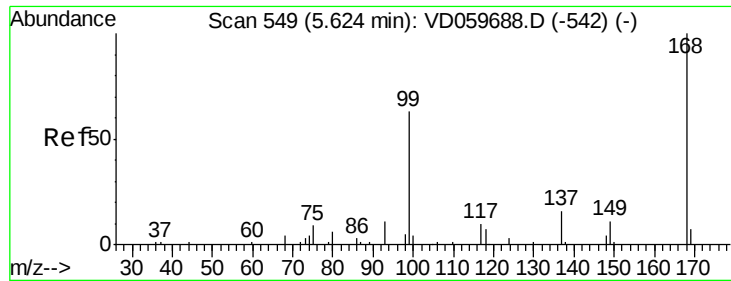
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	16147	5.766	ug/l	91
94) Hexachlorobutadiene	14.42	225	11957	5.471	ug/l	93
95) Naphthalene	14.51	128	22944	5.476	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	13270	5.303	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

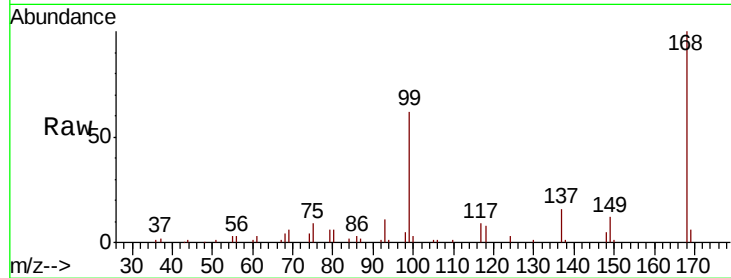
ClientSampleId :

Tot Ion:168 Resp: 203181

Ion Ratio Lower Upper

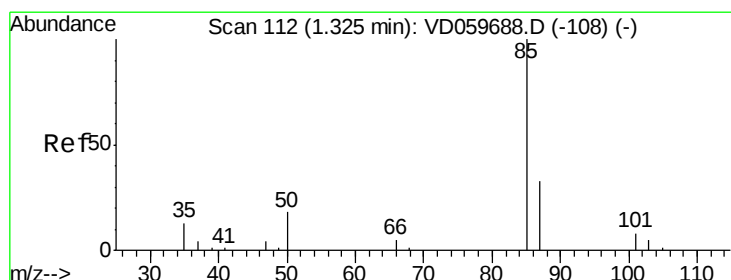
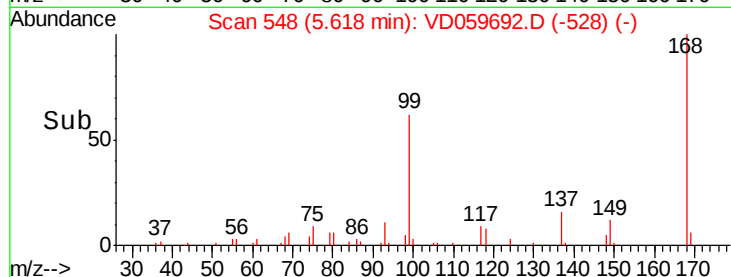
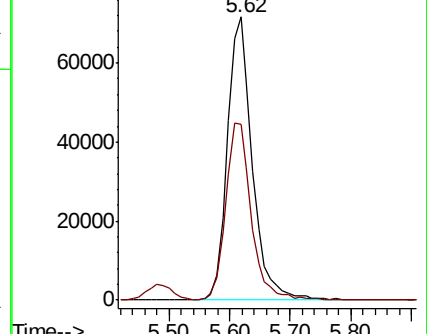
168 100

99 62.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 5.605 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD059692.D

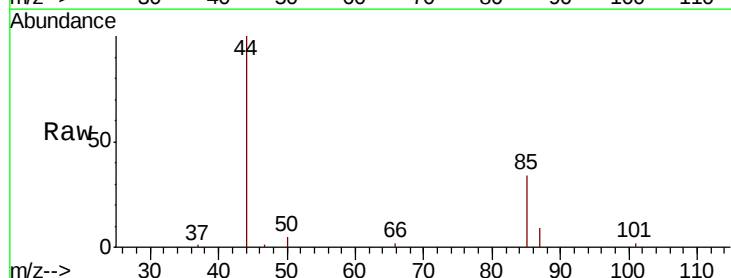
Acq: 6 Aug 2018 13:59

Tgt Ion: 85 Resp: 15864

Ion Ratio Lower Upper

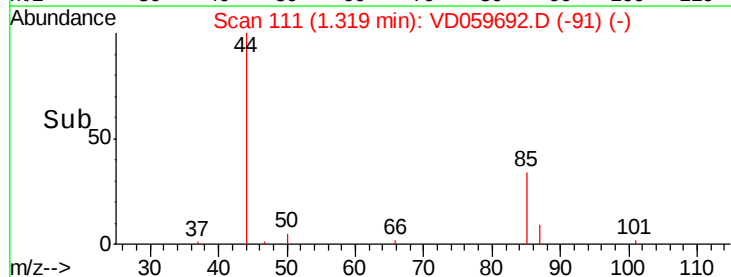
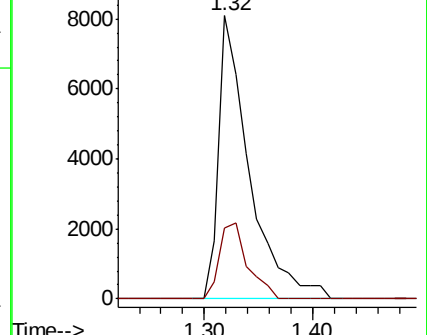
85 100

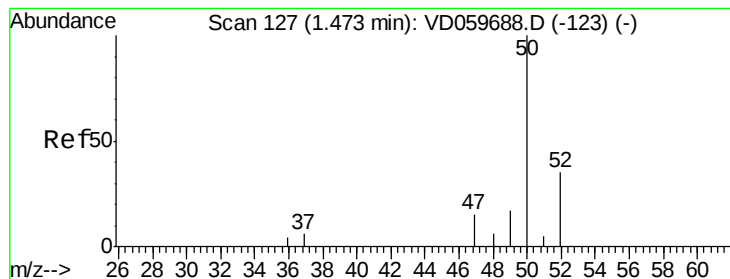
87 25.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.217 ug/l

RT: 1.47 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

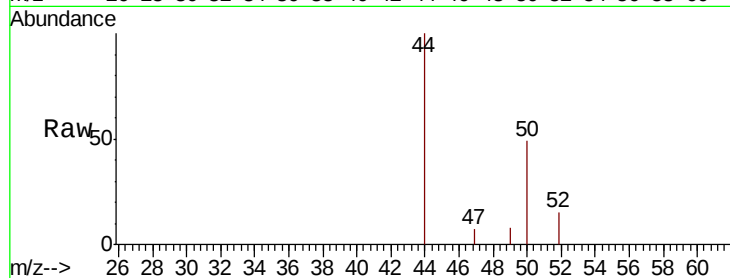
ClientSampleId :

Tot Ion: 50 Resp: 6472

Ion Ratio Lower Upper

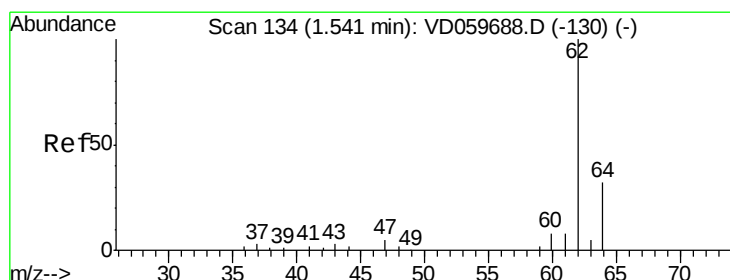
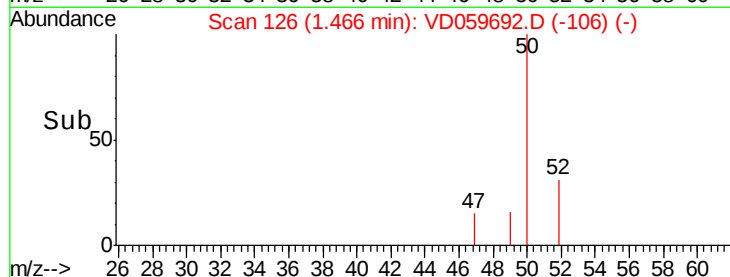
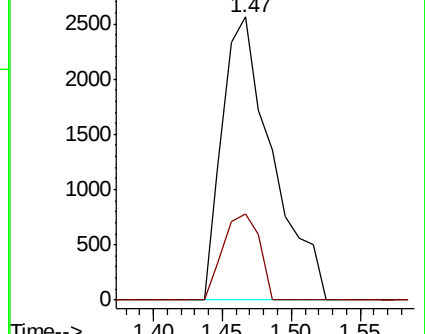
50 100

52 30.5 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.771 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059692.D

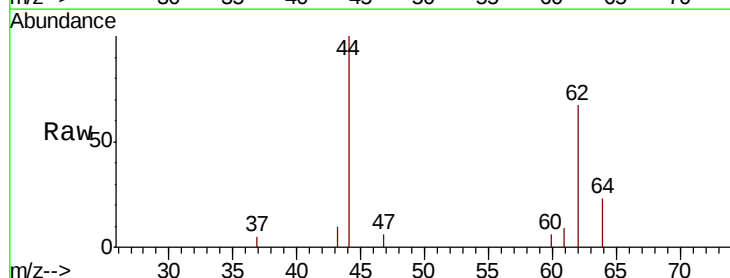
Acq: 6 Aug 2018 13:59

Tgt Ion: 62 Resp: 7055

Ion Ratio Lower Upper

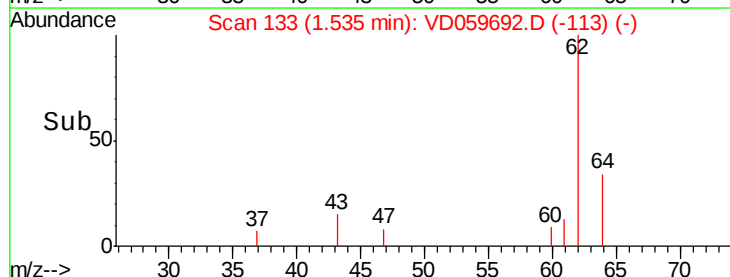
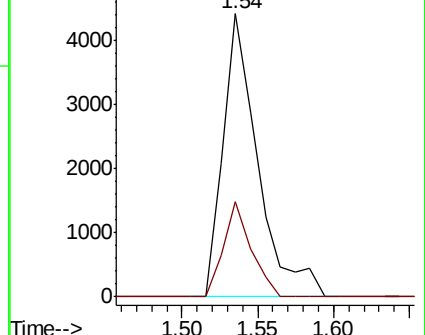
62 100

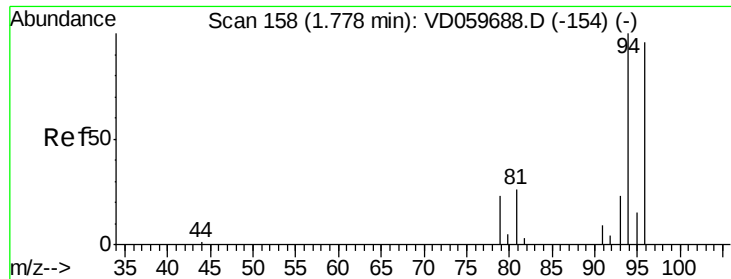
64 33.7 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

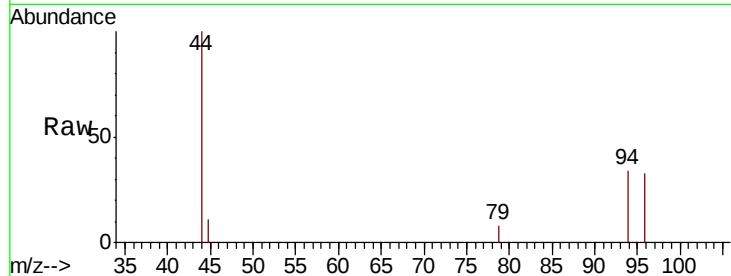




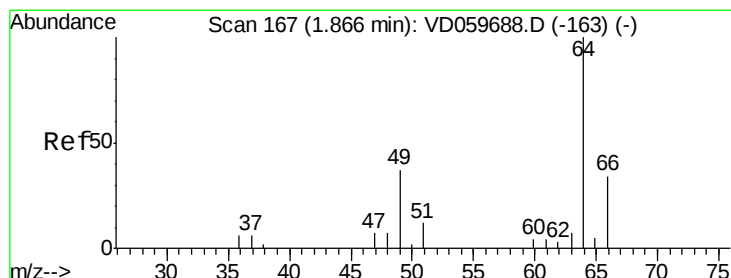
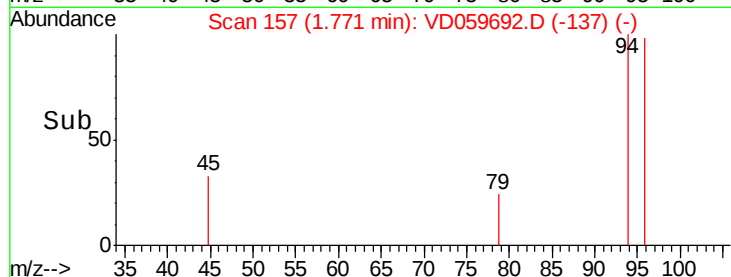
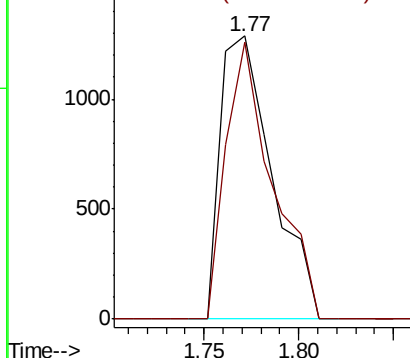
#5
Bromomethane
Concen: 4.702 ug/l
RT: 1.77 min Scan# 157
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 2433
Ion Ratio Lower Upper
94 100
96 97.7 76.6 114.8

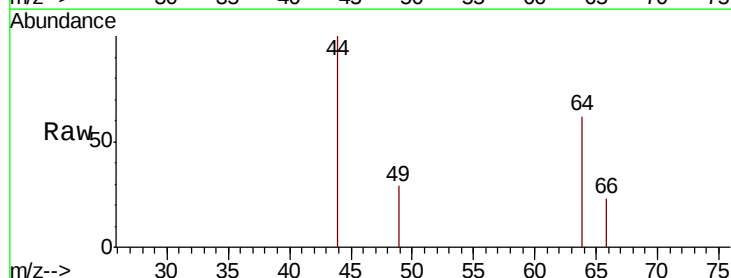


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

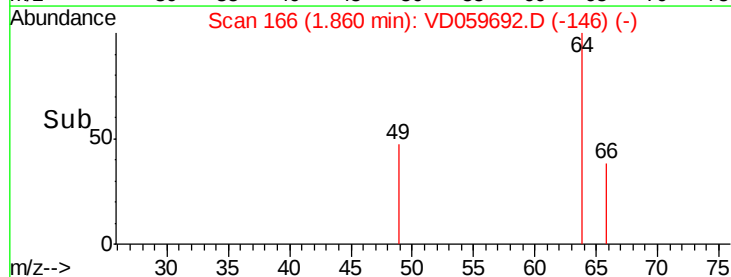
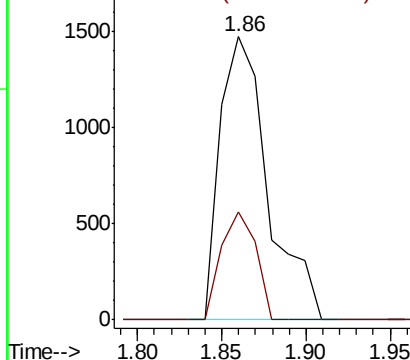


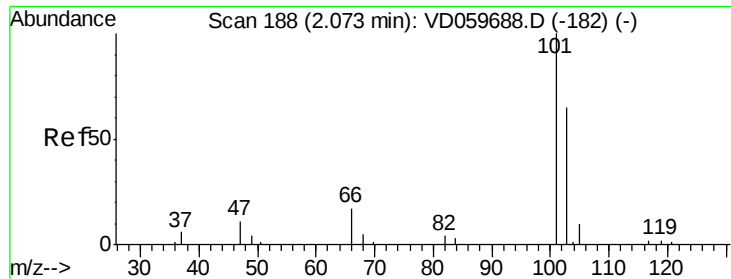
#6
Chloroethane
Concen: 4.909 ug/l
RT: 1.86 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 64 Resp: 2902
Ion Ratio Lower Upper
64 100
66 38.1 27.2 40.8



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



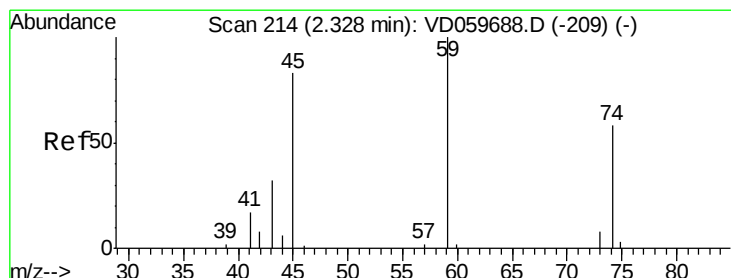
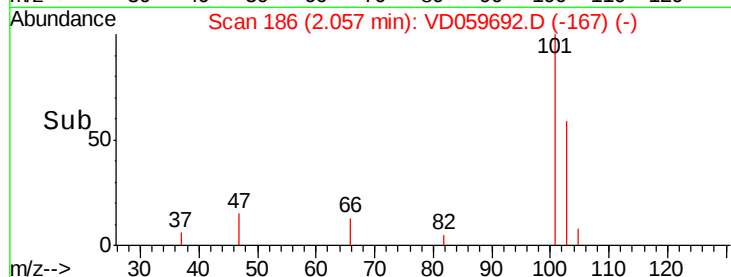
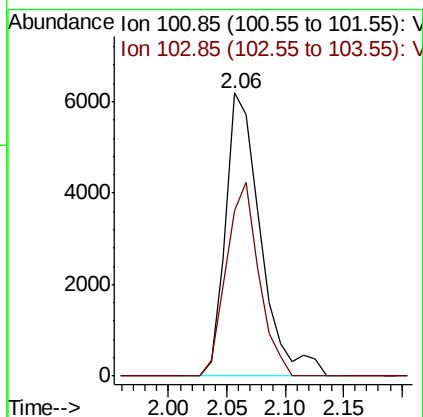
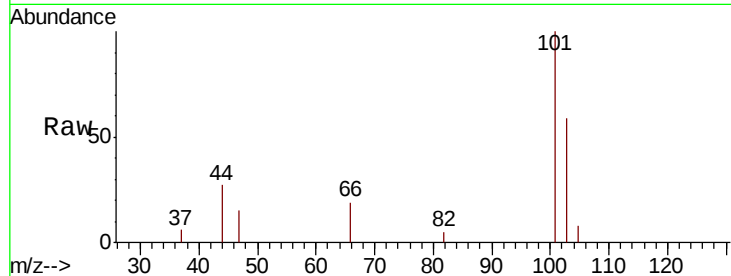


#7

Trichlorofluoromethane
 Concen: 5.401 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. -0.02 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

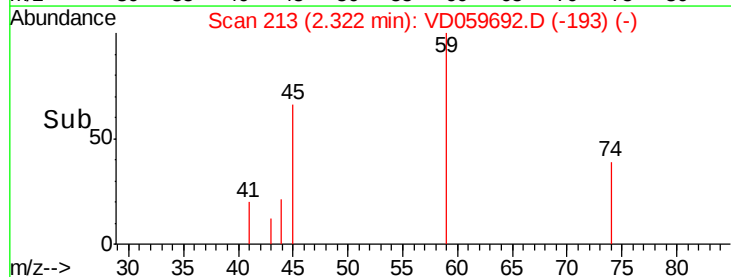
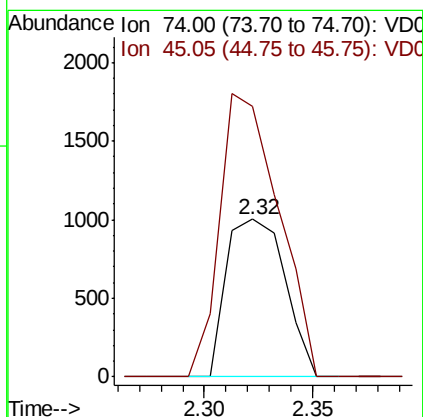
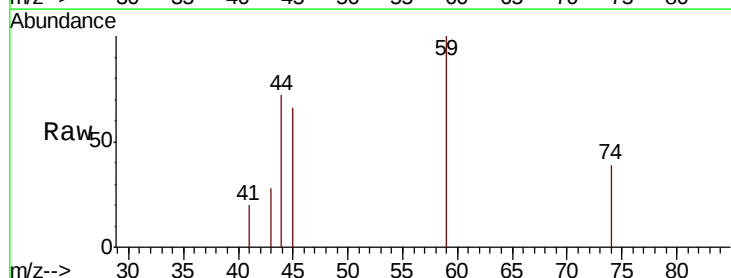
Tot Ion:101 Resp: 12920
 Ion Ratio Lower Upper
 101 100
 103 58.6 51.7 77.5

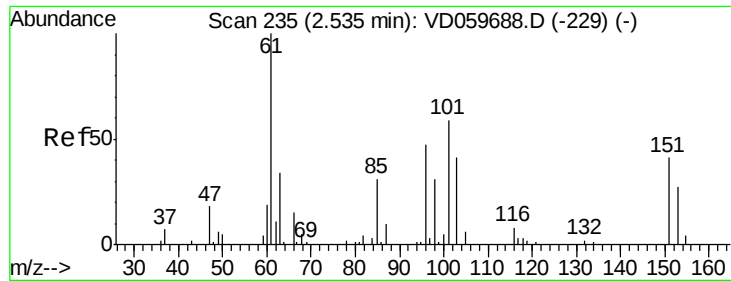


#8

Diethyl Ether
 Concen: 4.221 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 74 Resp: 1884
 Ion Ratio Lower Upper
 74 100
 45 171.6 71.4 214.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.754 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

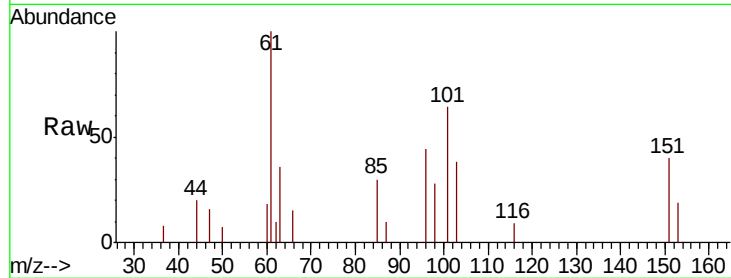
Tot Ion:101 Resp: 6565

Ion Ratio Lower Upper

101 100

85 47.1 42.2 63.4

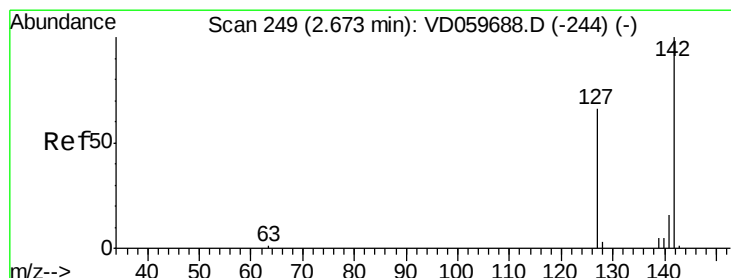
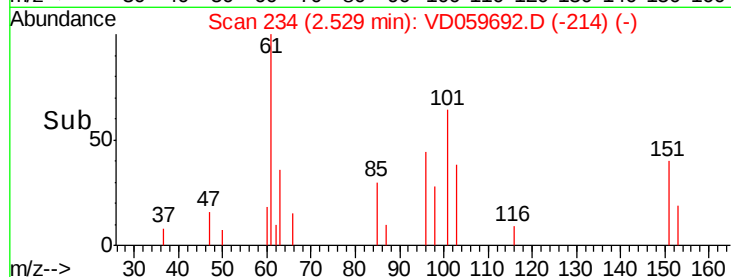
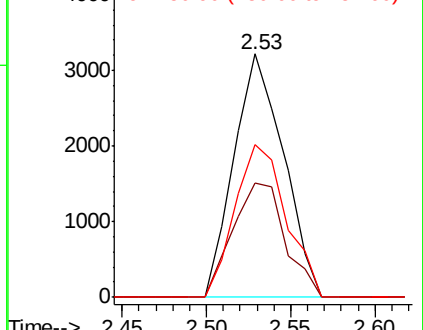
151 62.9 55.2 82.8



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: 4.761 ug/l

RT: 2.67 min Scan# 248

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

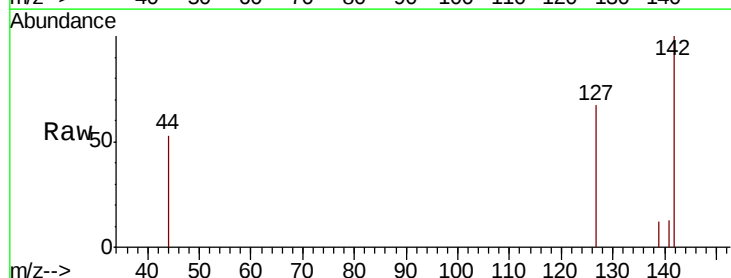
Tgt Ion:142 Resp: 7502

Ion Ratio Lower Upper

142 100

127 66.7 52.6 79.0

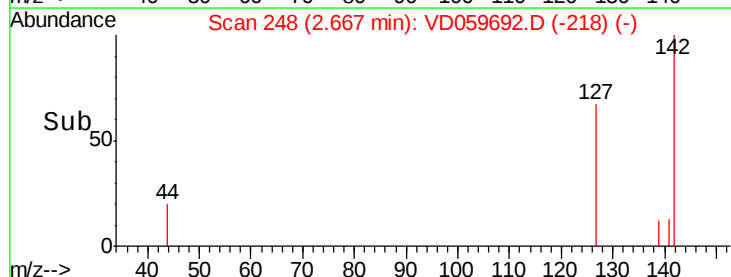
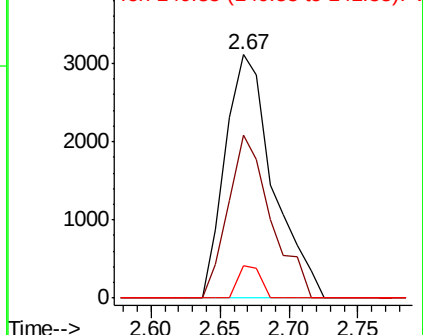
141 13.5 12.5 18.7

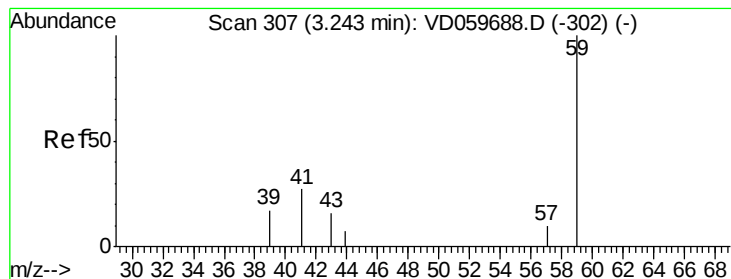


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



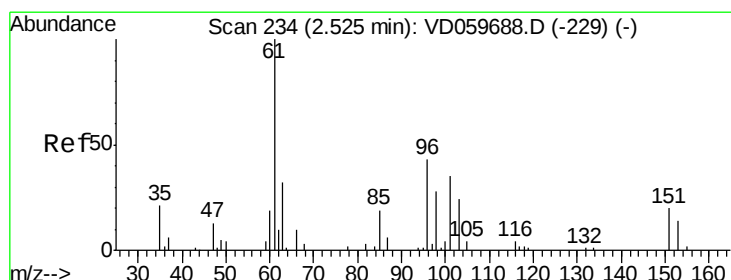
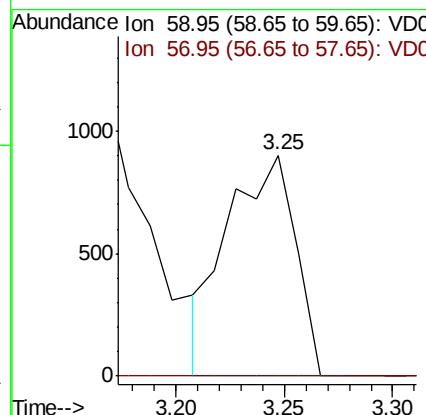
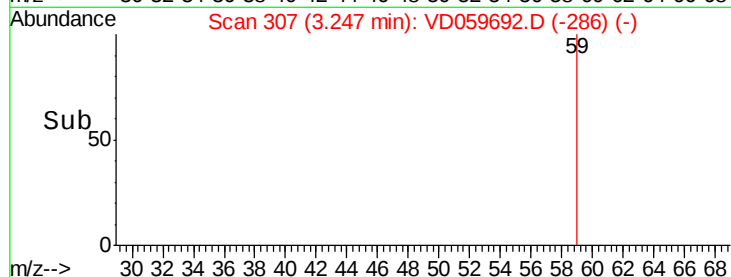
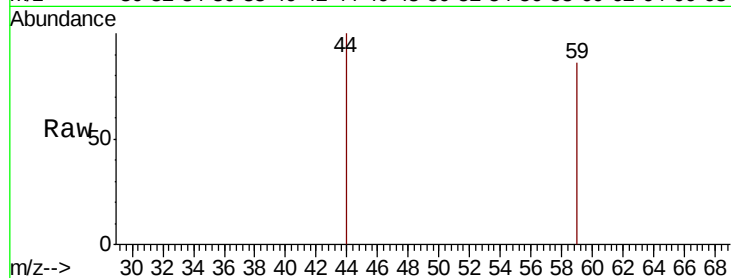


#11

Tert butyl alcohol
Concen: 20.962 ug/l
RT: 3.25 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :

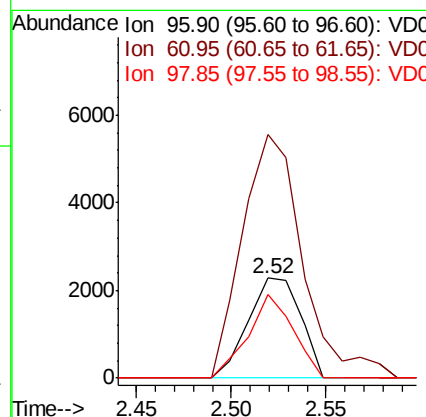
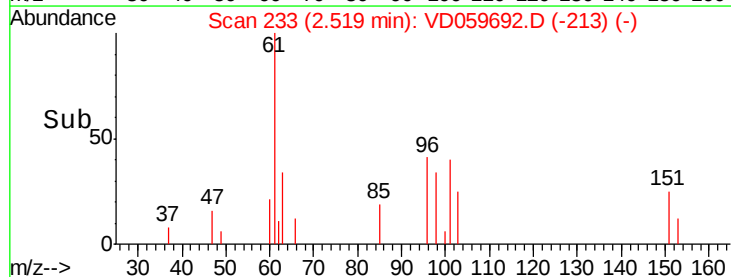
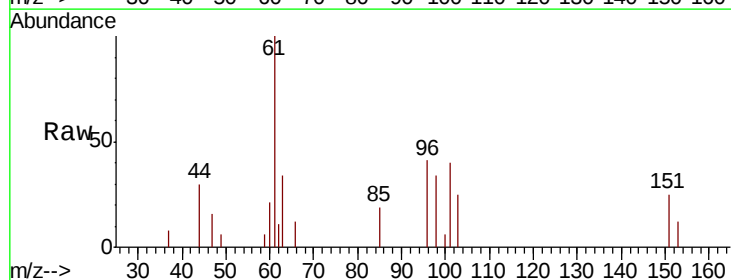
Tot Ion: 59 Resp: 1961
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#

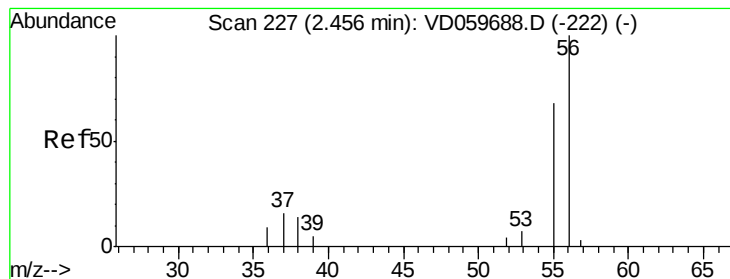


#12

1,1-Dichloroethene
Concen: 4.293 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 96 Resp: 4383
Ion Ratio Lower Upper
96 100
61 243.7 184.1 276.1
98 83.8 52.4 78.6#





#13

Acrolein

Concen: 21.612 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

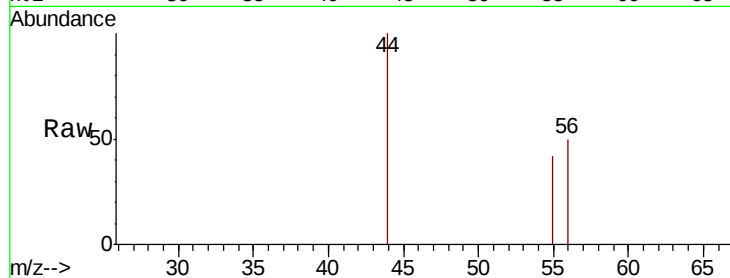
ClientSampleId :

Tot Ion: 56 Resp: 1930

Ion Ratio Lower Upper

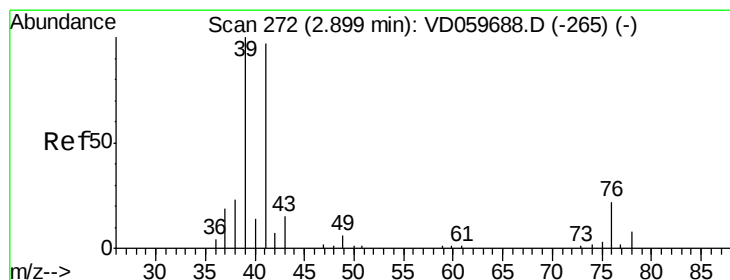
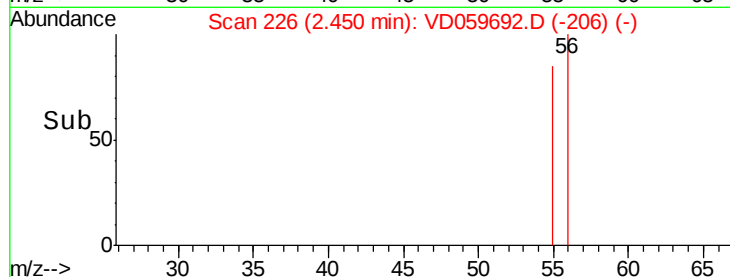
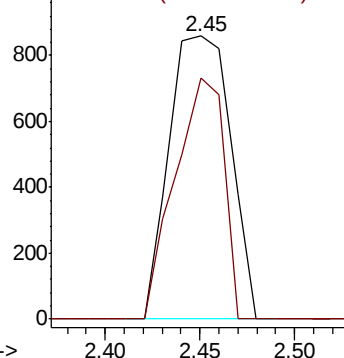
56 100

55 85.2 54.4 81.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.587 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

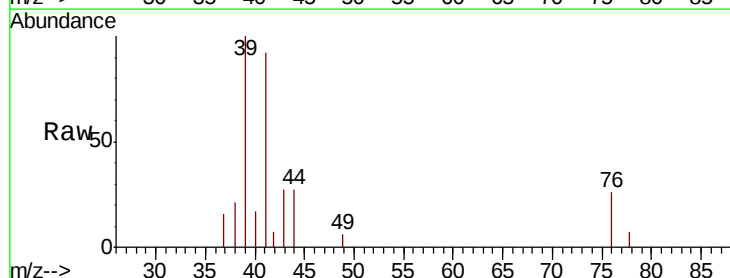
Tgt Ion: 41 Resp: 10639

Ion Ratio Lower Upper

41 100

39 108.4 82.5 123.7

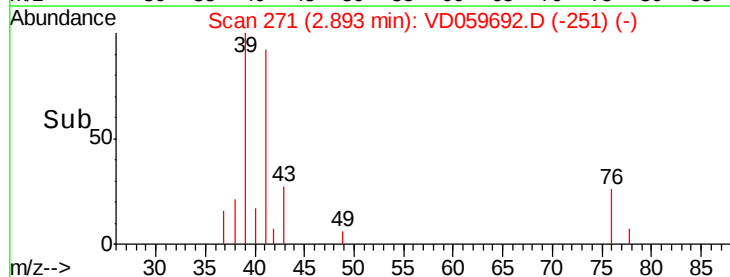
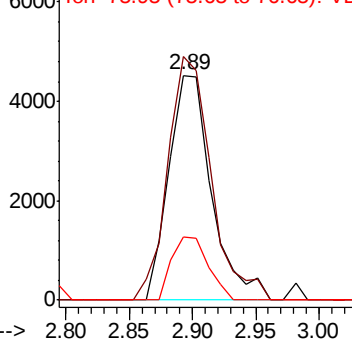
76 28.3 22.1 33.1

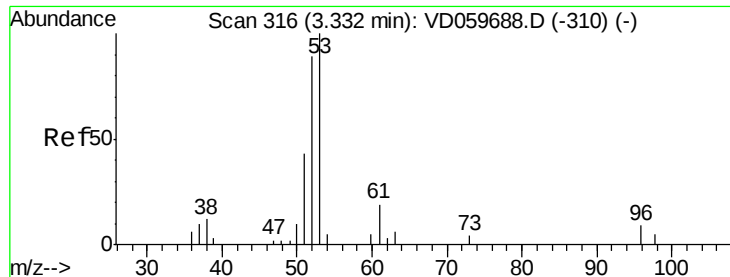


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 21.905 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

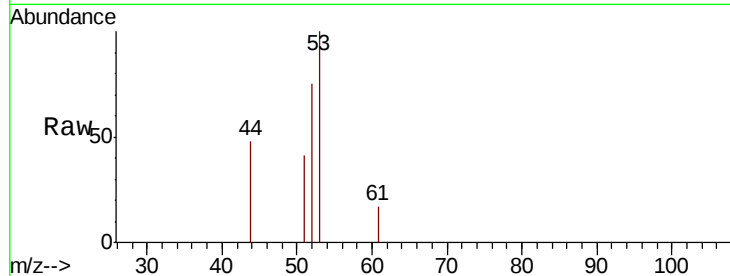
Tot Ion: 53 Resp: 5891

Ion Ratio Lower Upper

53 100

52 75.2 71.4 107.0

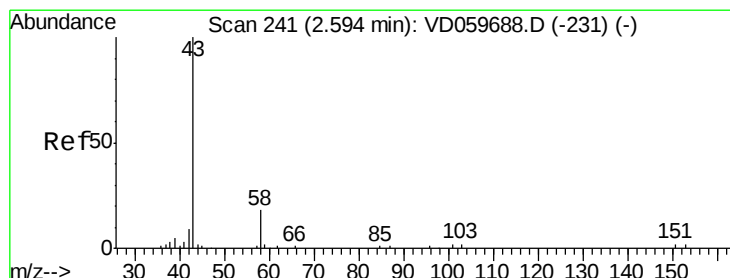
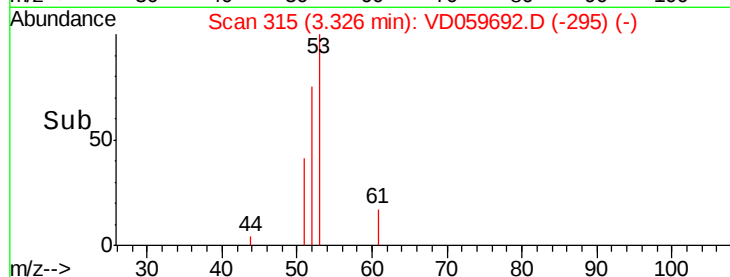
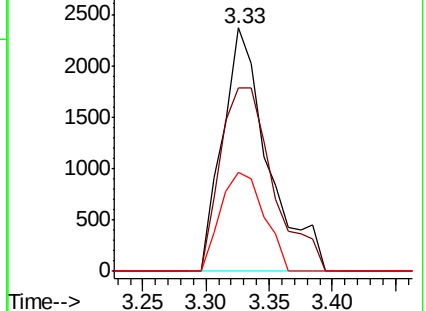
51 40.7 34.2 51.4



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: 21.837 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD059692.D

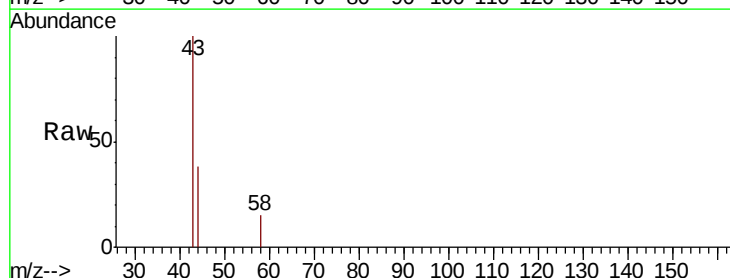
Acq: 6 Aug 2018 13:59

Tgt Ion: 43 Resp: 10792

Ion Ratio Lower Upper

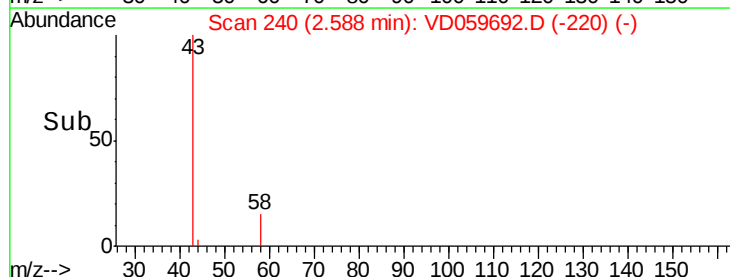
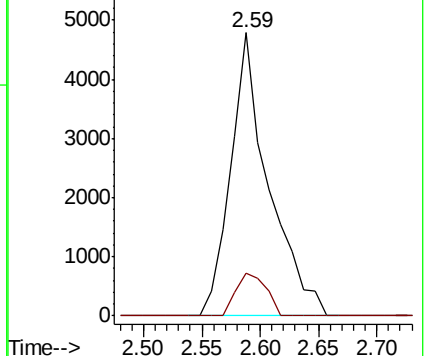
43 100

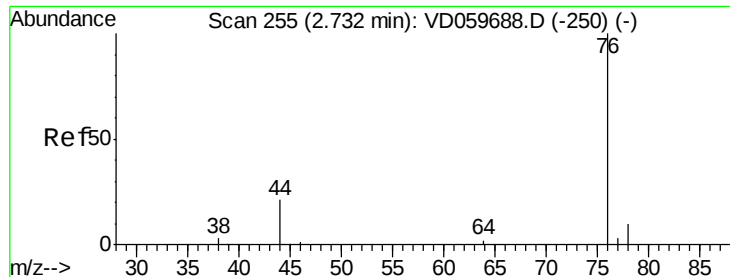
58 15.3 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 4.465 ug/l

RT: 2.73 min Scan# 254

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

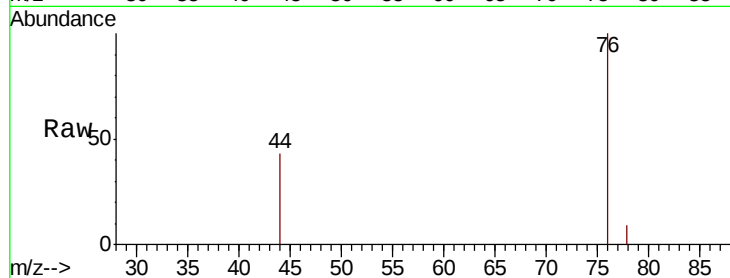
ClientSampleId :

Tot Ion: 76 Resp: 16125

Ion Ratio Lower Upper

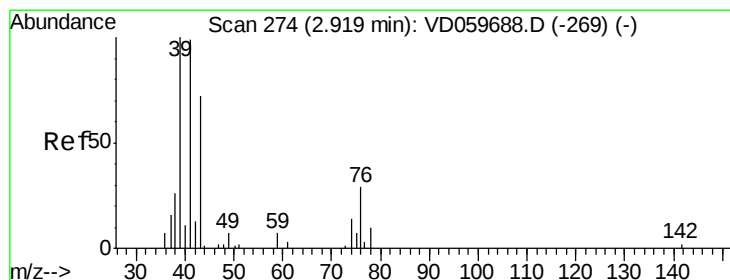
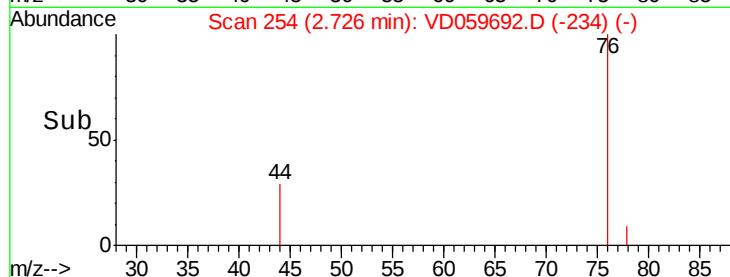
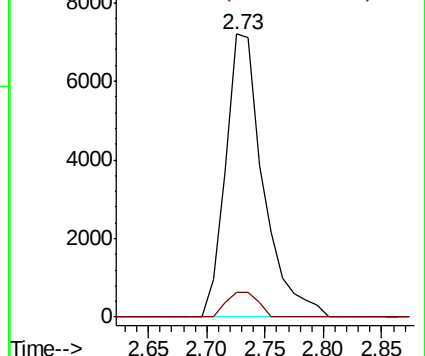
76 100

78 8.9 7.7 11.5



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.658 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.02 min

Lab File: VD059692.D

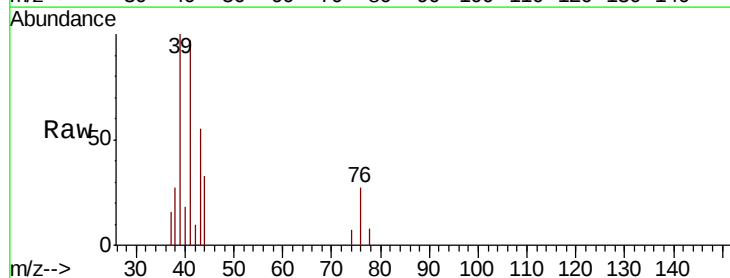
Acq: 6 Aug 2018 13:59

Tgt Ion: 43 Resp: 5889

Ion Ratio Lower Upper

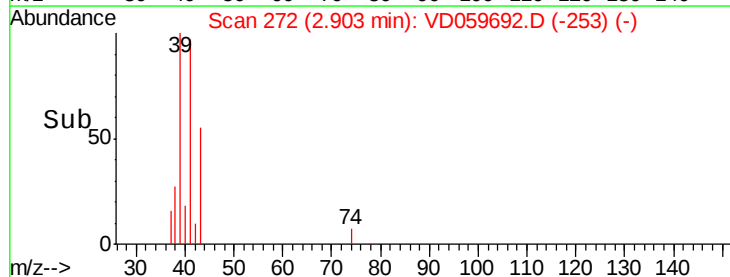
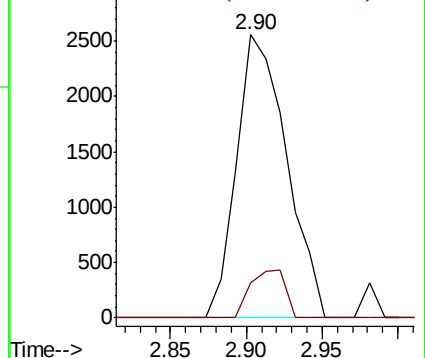
43 100

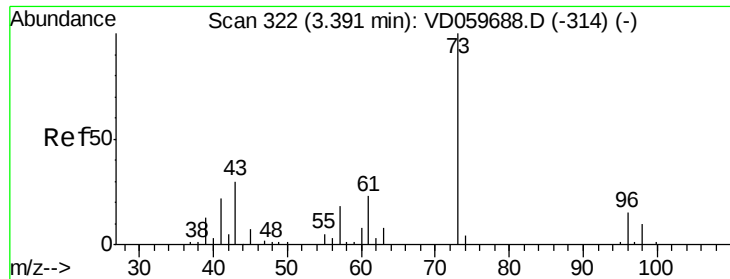
74 12.5 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

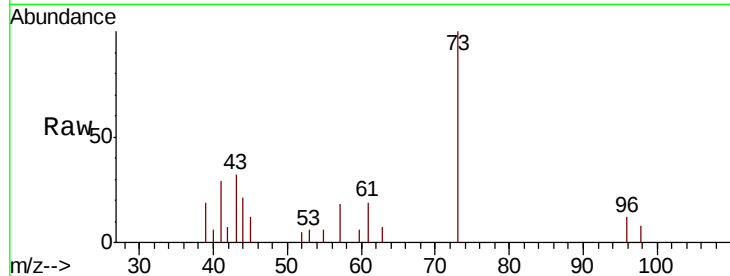




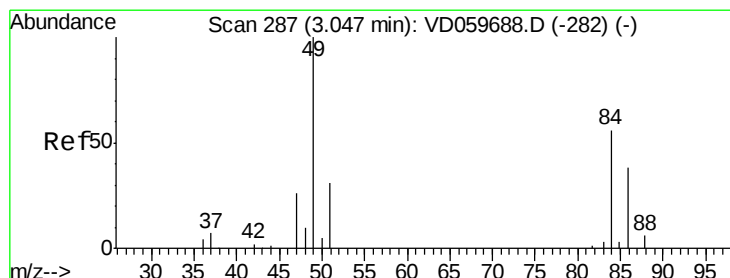
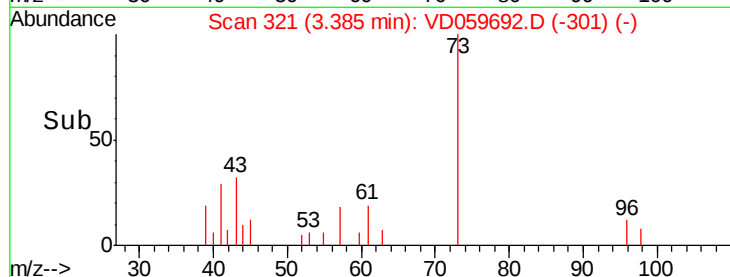
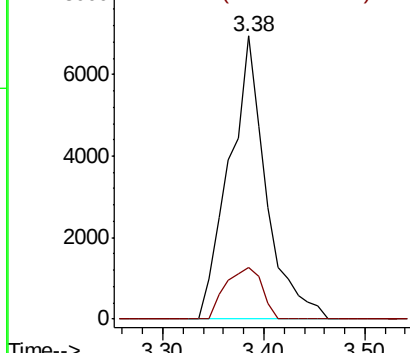
#19
Methvl tert-butvl Ether
Concen: 4.485 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 17617
Ion Ratio Lower Upper
73 100
57 18.1 14.3 21.5

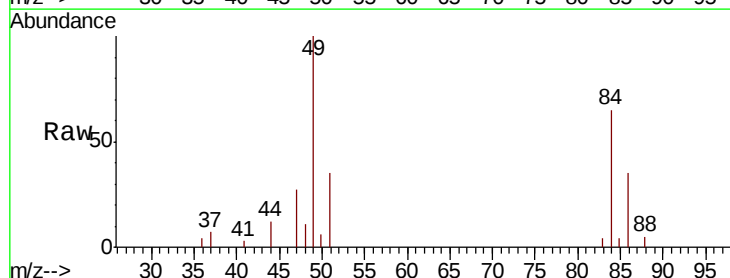


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

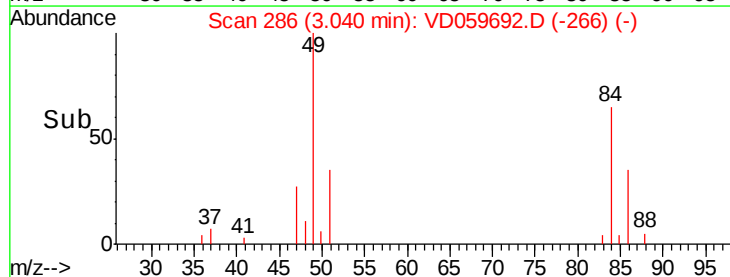
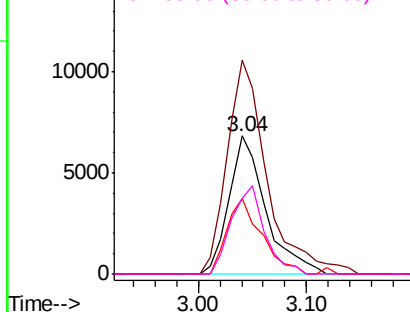


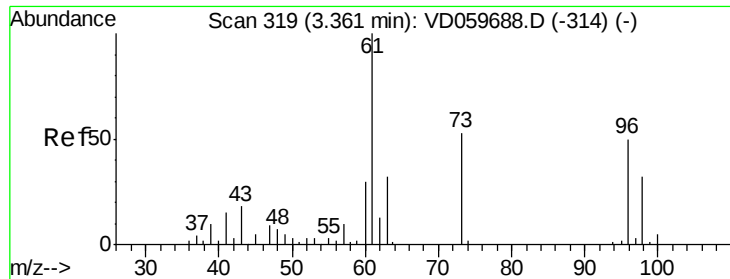
#20
Methylene Chloride
Concen: 8.734 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 84 Resp: 16088
Ion Ratio Lower Upper
84 100
49 155.0 143.4 215.2
51 54.4 44.2 66.4
86 54.8 55.0 82.6#



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 3.910 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

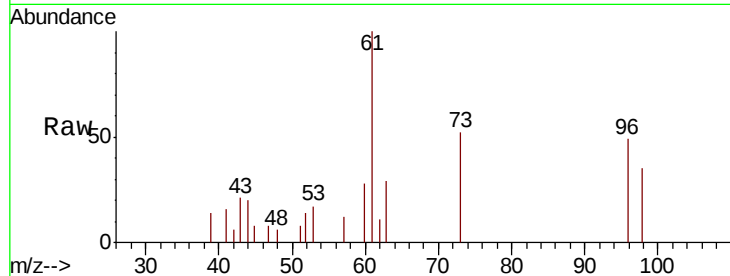
Tot Ion: 96 Resp: 5414

Ion Ratio Lower Upper

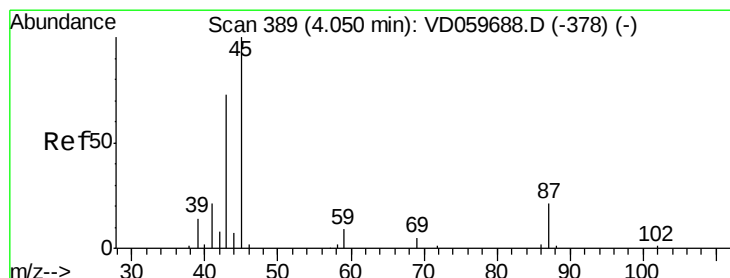
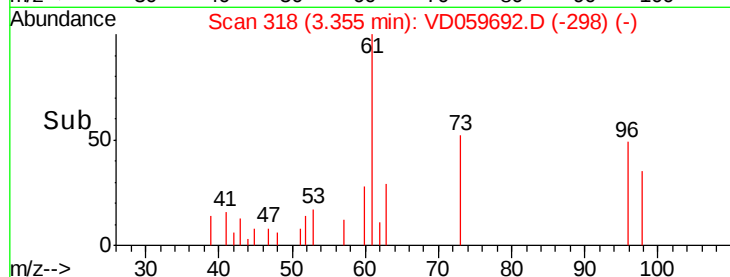
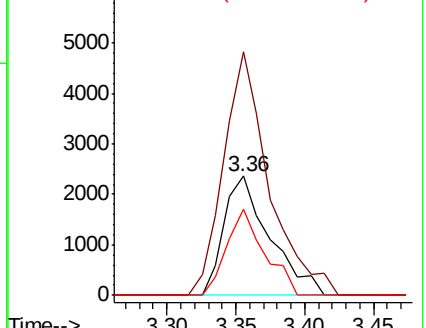
96 100

61 204.8 160.6 241.0

98 72.2 50.9 76.3



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: 5.297 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.02 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Tgt Ion: 45 Resp: 28047

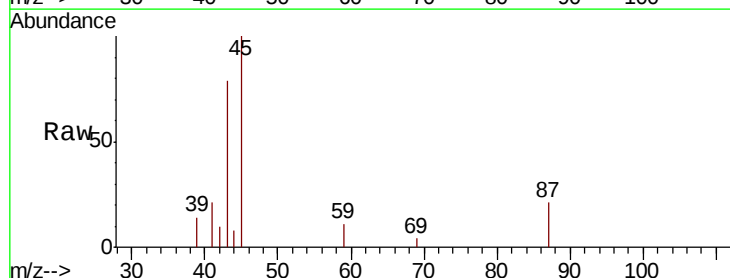
Ion Ratio Lower Upper

45 100

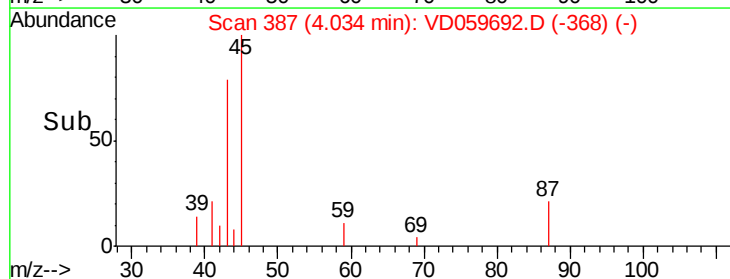
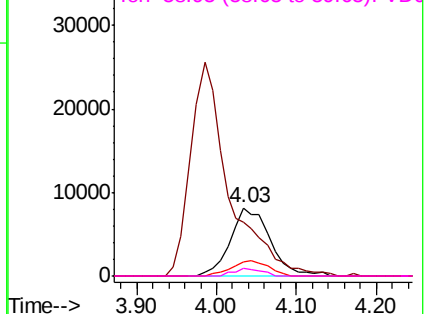
43 79.0 60.3 90.5

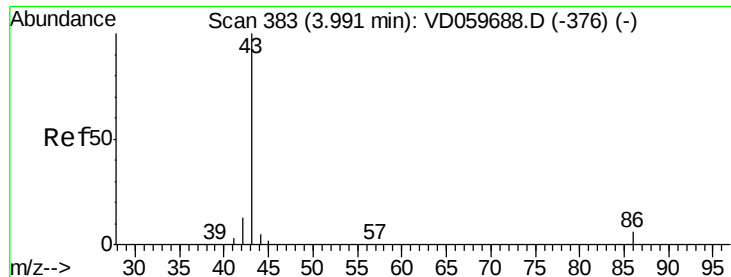
87 20.8 17.0 25.6

59 11.2 7.9 11.9



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: 26.034 ug/l

RT: 3.98 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

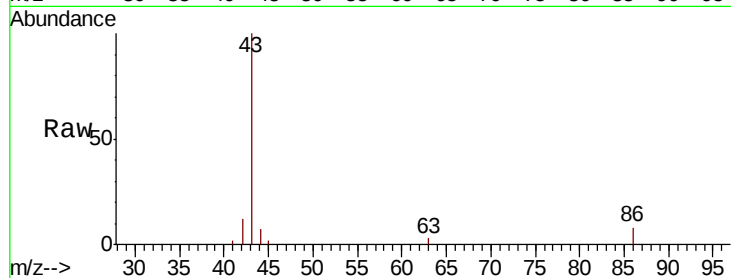
ClientSampled :

Tot Ion: 43 Resp: 86036

Ion Ratio Lower Upper

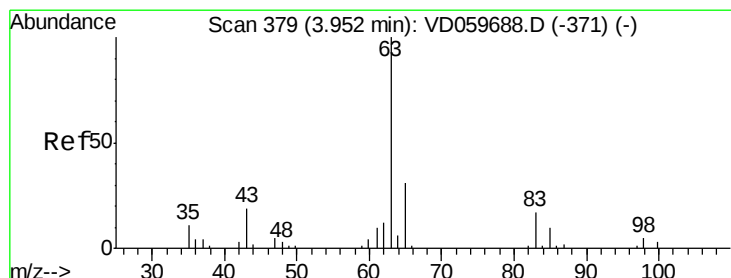
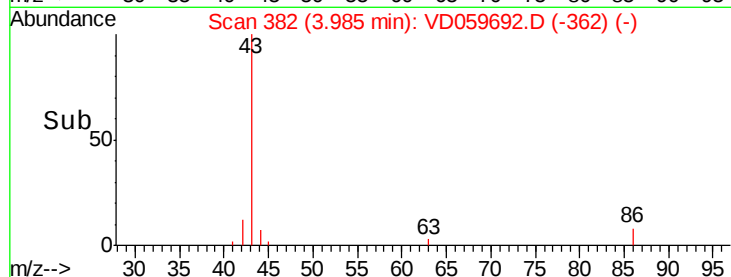
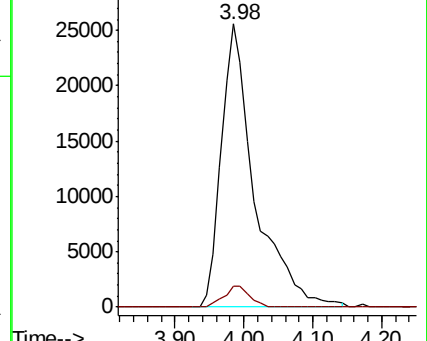
43 100

86 7.6 4.8 7.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.963 ug/l

RT: 3.94 min Scan# 377

Delta R.T. -0.02 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

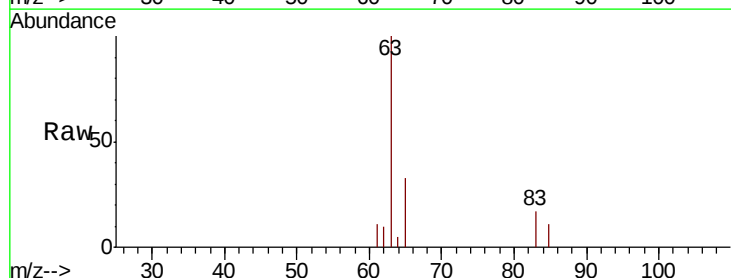
Tgt Ion: 63 Resp: 17700

Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

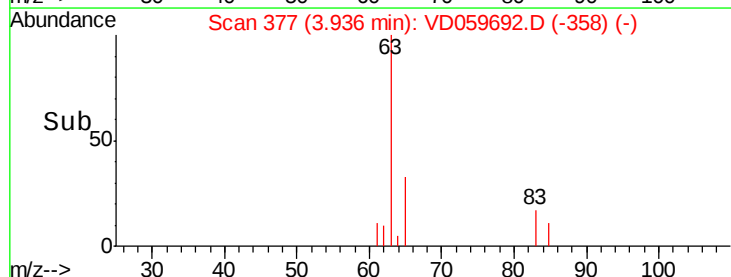
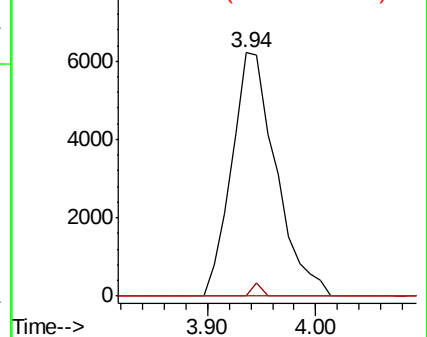
100 0.0 1.6 4.8#

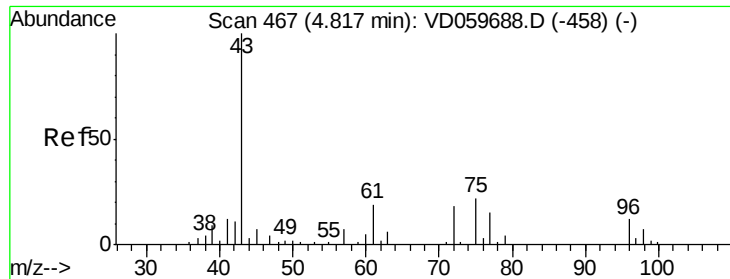


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 26.437 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

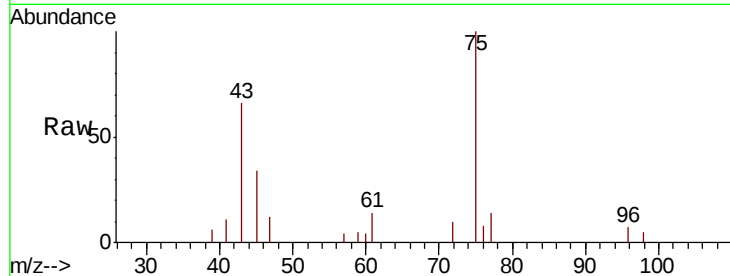
ClientSampled :

Tot Ion: 43 Resp: 16659

Ion Ratio Lower Upper

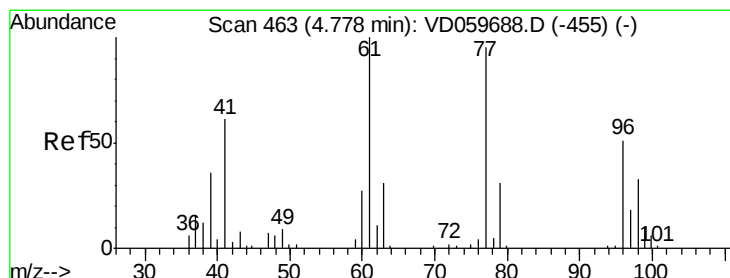
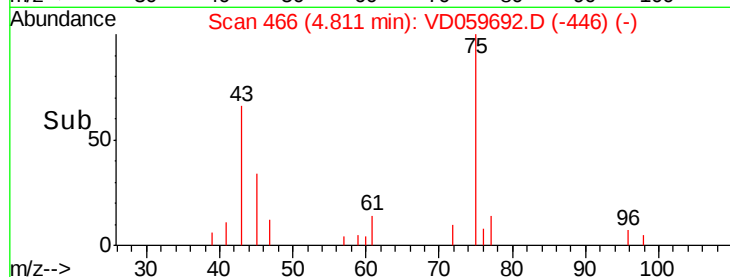
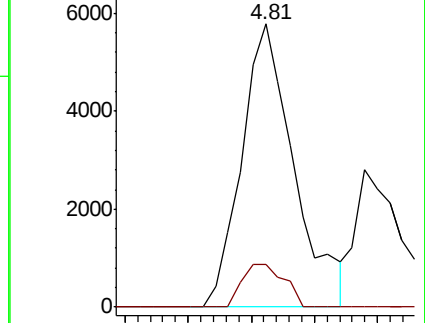
43 100

72 14.9 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.977 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD059692.D

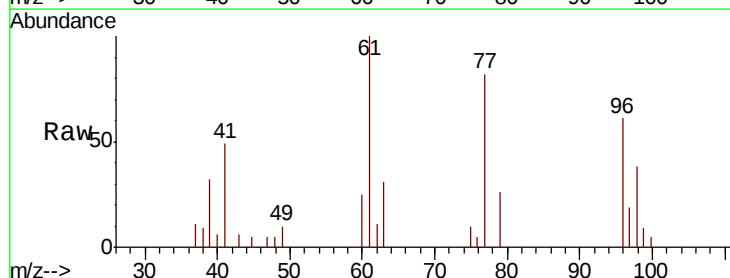
Acq: 6 Aug 2018 13:59

Tgt Ion: 77 Resp: 19275

Ion Ratio Lower Upper

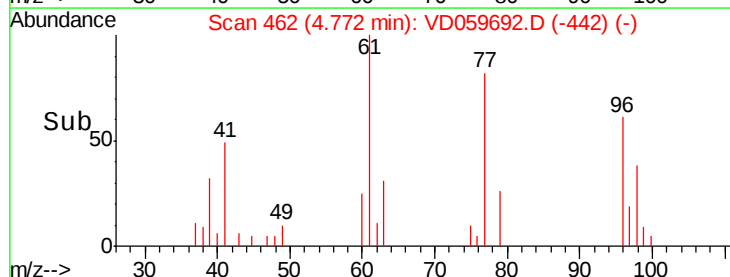
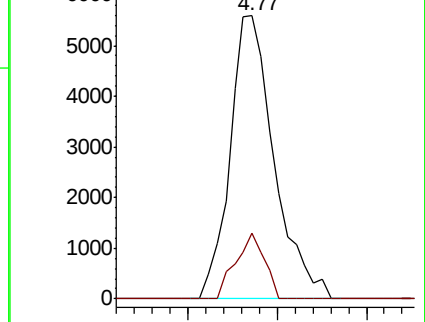
77 100

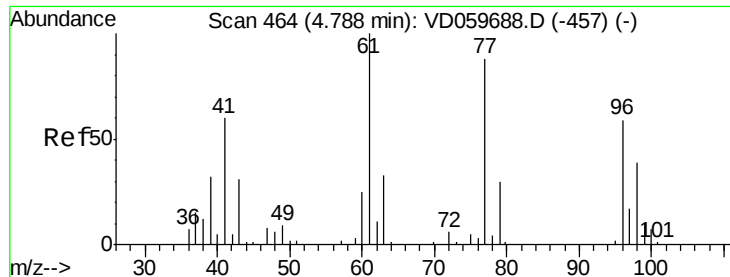
97 23.5 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



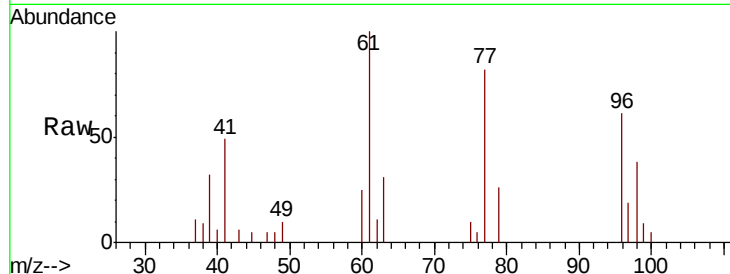


#27

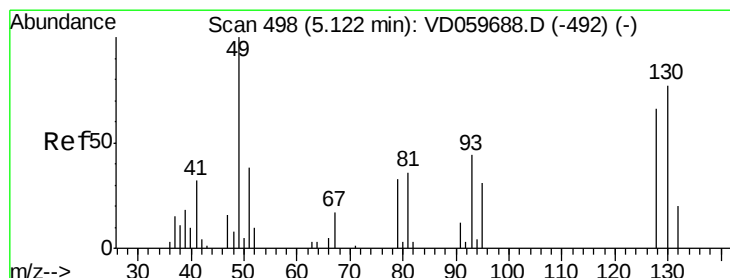
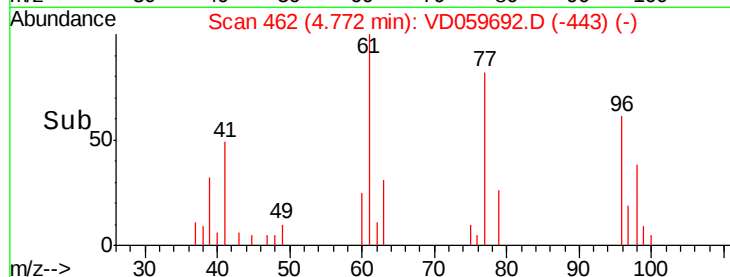
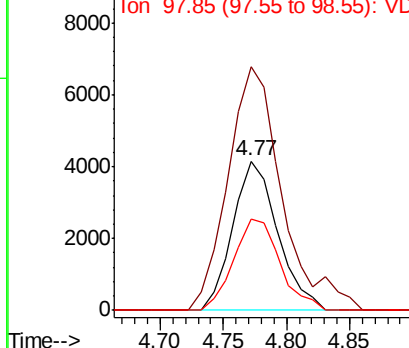
cis-1,2-Dichloroethene
 Concen: 5.470 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 96 Resp: 10241
 Ion Ratio Lower Upper
 96 100
 61 163.5 0.0 341.6
 98 61.4 0.0 131.0



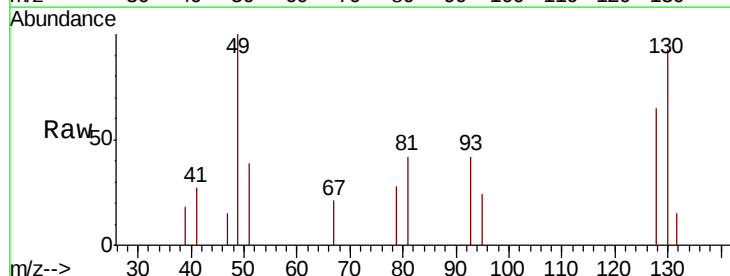
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



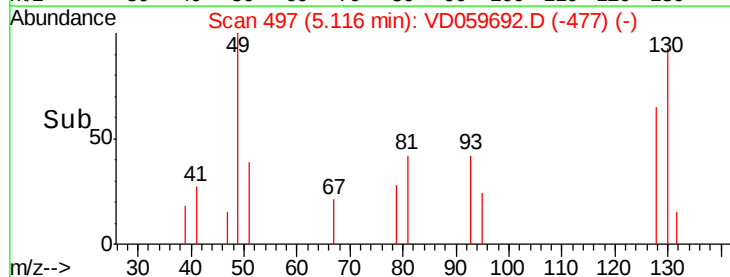
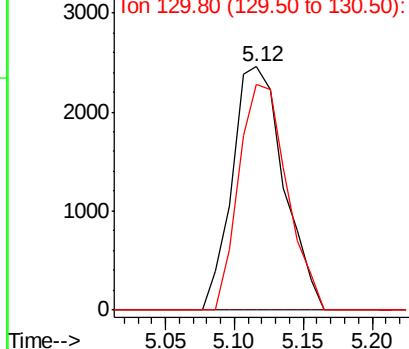
#28

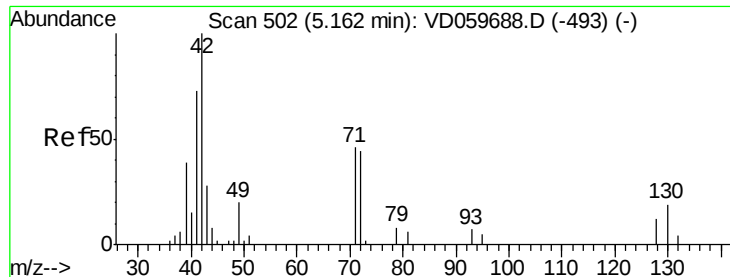
Bromochloromethane
 Concen: 4.851 ug/l
 RT: 5.12 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 49 Resp: 6412
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 92.8 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 25.781 ug/l

RT: 5.16 min Scan# 501

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

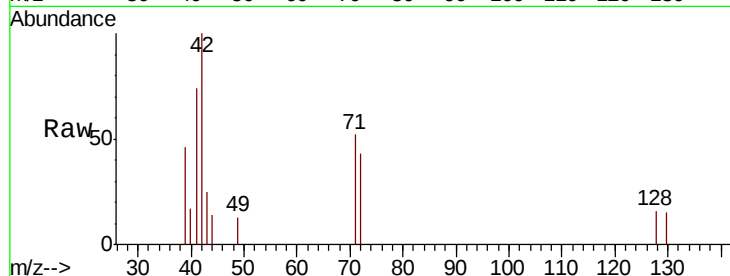
Tot Ion: 42 Resp: 6356

Ion Ratio Lower Upper

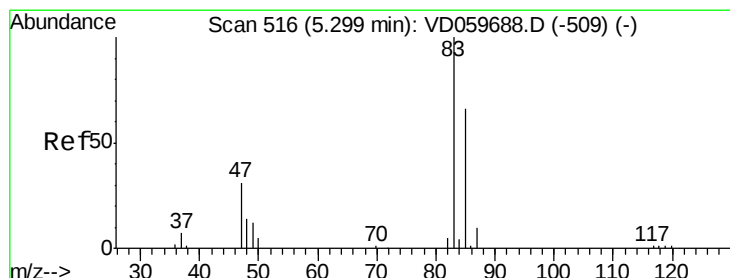
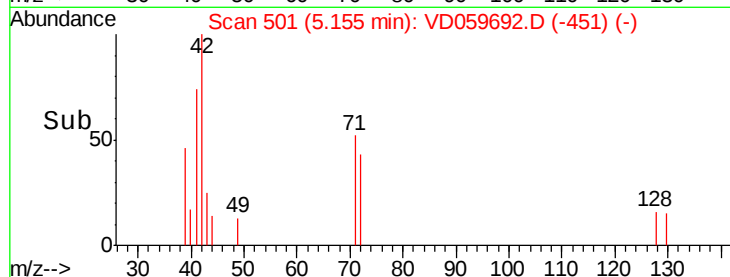
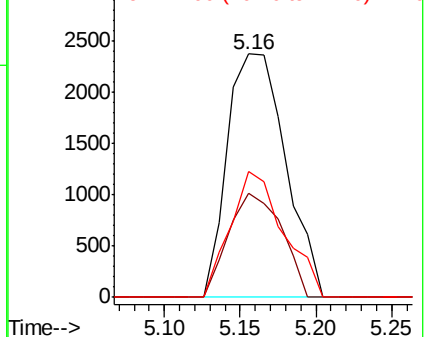
42 100

72 39.1 36.7 55.1

71 47.3 36.3 54.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 5.100 ug/l

RT: 5.29 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD059692.D

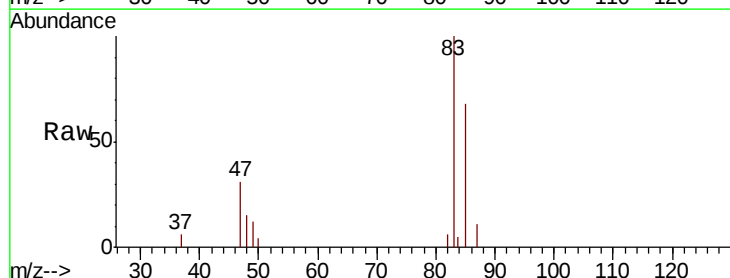
Acq: 6 Aug 2018 13:59

Tgt Ion: 83 Resp: 21955

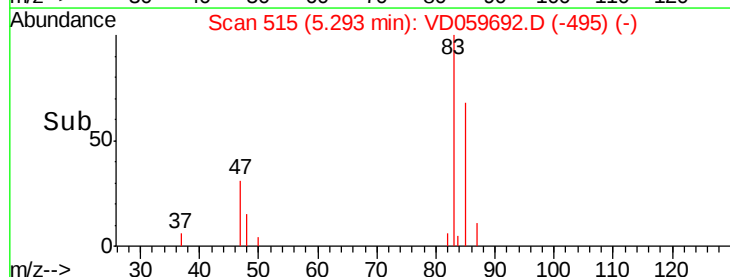
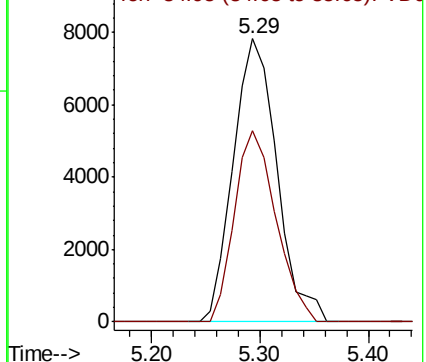
Ion Ratio Lower Upper

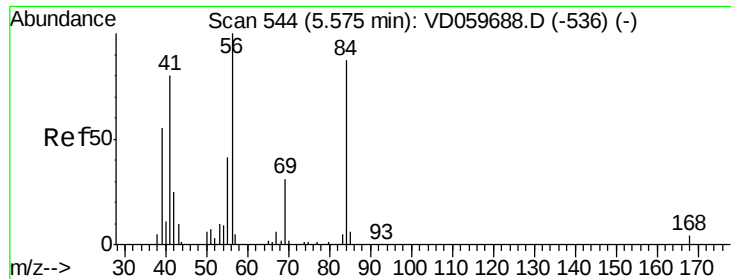
83 100

85 67.7 52.6 79.0



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

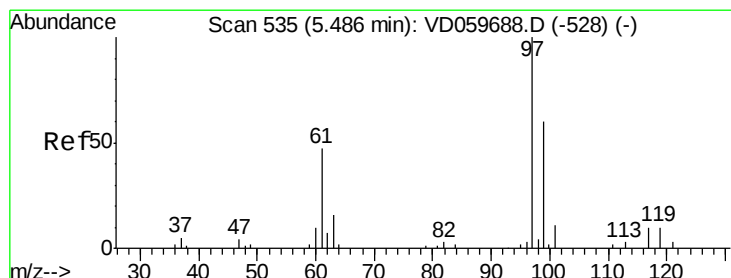
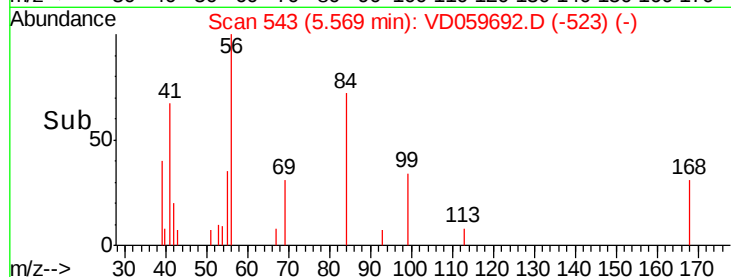
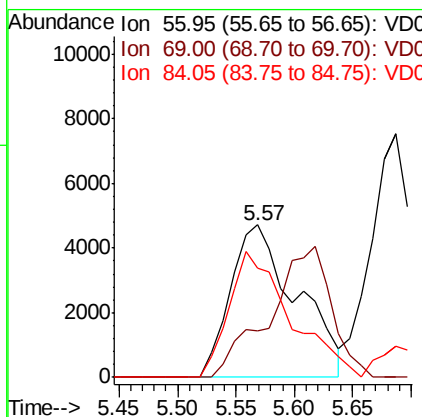
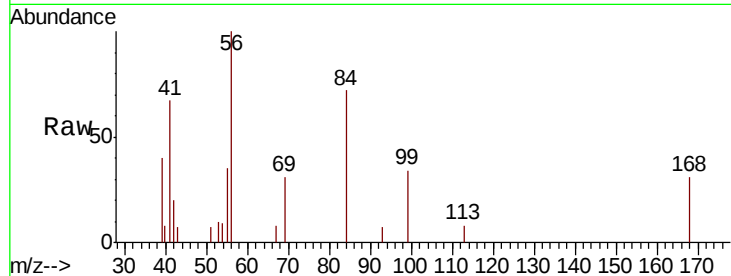




#31
Cyclohexane
Concen: 7.148 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

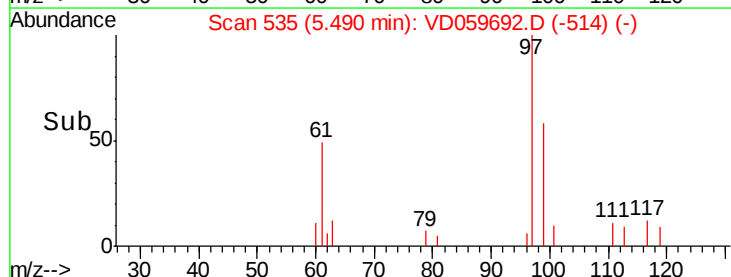
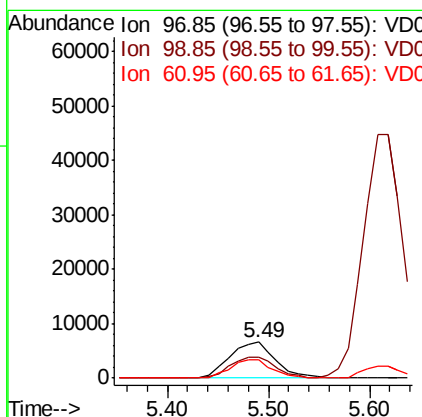
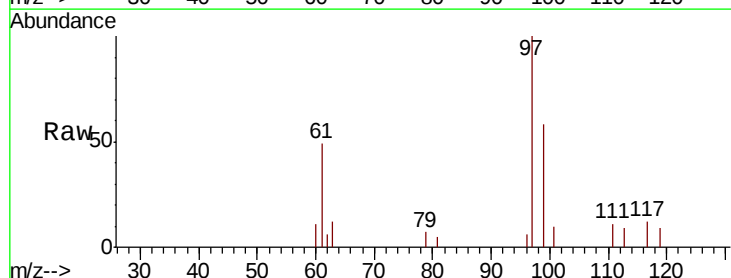
Instrument :
MSVOA_D
ClientSampled :

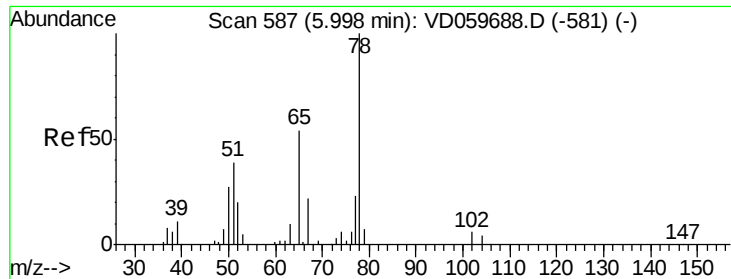
Tot Ion: 56 Resp: 18557
Ion Ratio Lower Upper
56 100
69 30.5 24.7 37.1
84 71.8 72.2 108.2#



#32
1,1,1-Trichloroethane
Concen: 4.913 ug/l
RT: 5.49 min Scan# 535
Delta R.T. 0.00 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 97 Resp: 20729
Ion Ratio Lower Upper
97 100
99 57.7 48.2 72.2
61 49.4 37.5 56.3

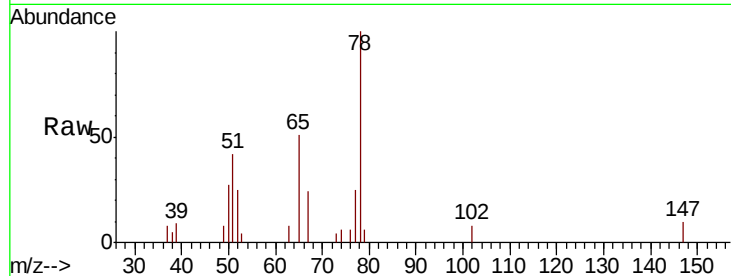




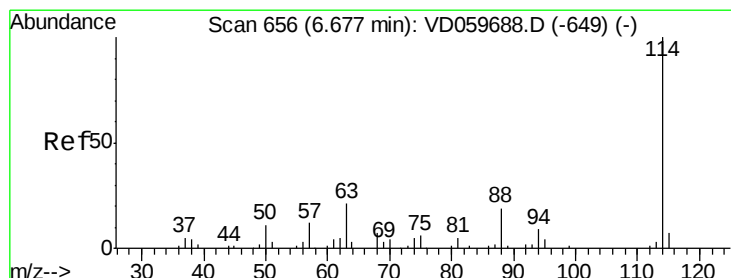
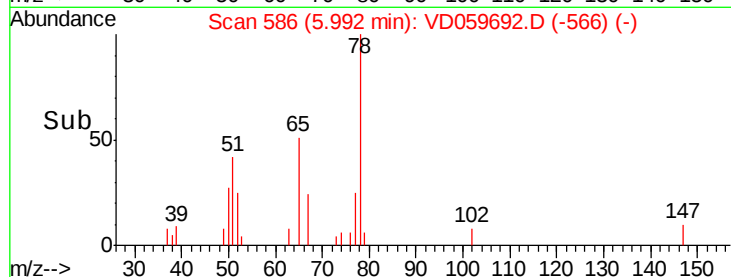
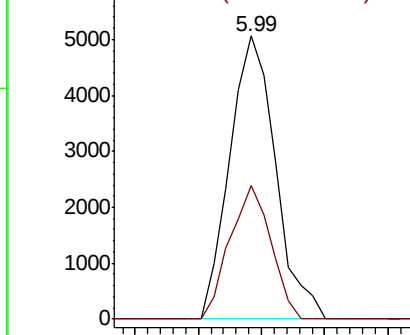
#33
 1,2-Dichloroethane-d4
 Concen: 4.913 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 65 Resp: 12753
 Ion Ratio Lower Upper
 65 100
 67 47.2 0.0 80.4

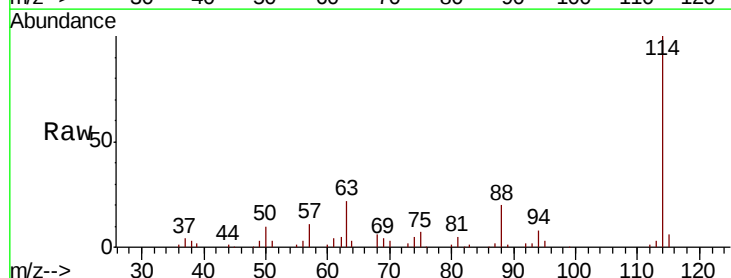


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

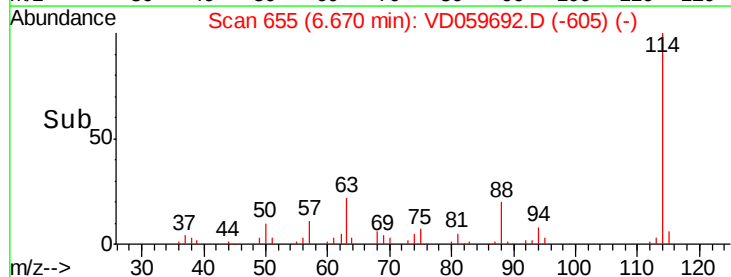
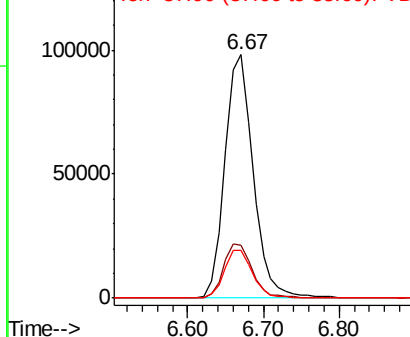


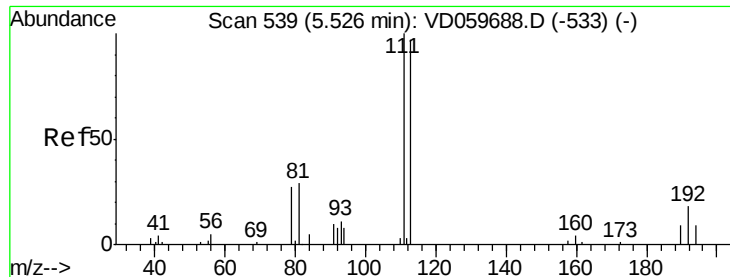
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 114 Resp: 254538
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.6
 88 19.7 0.0 38.8



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

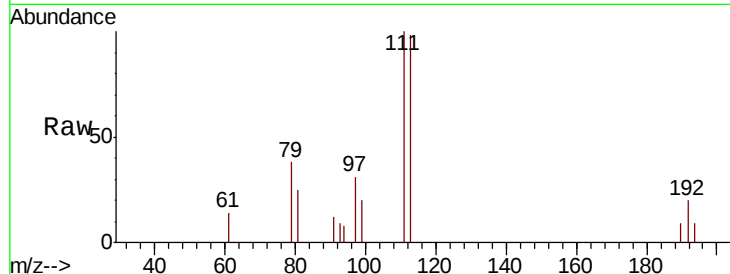




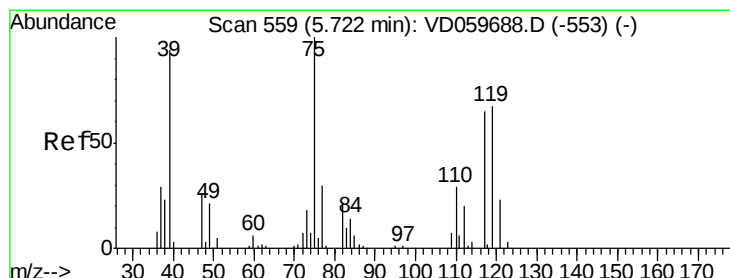
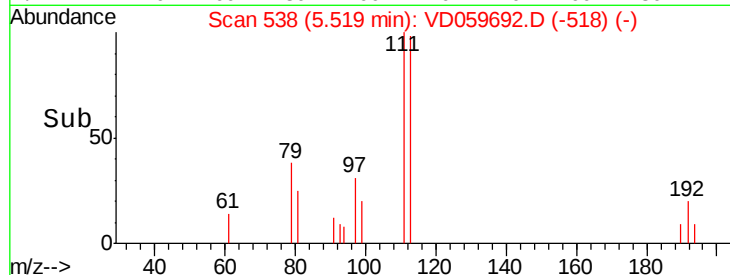
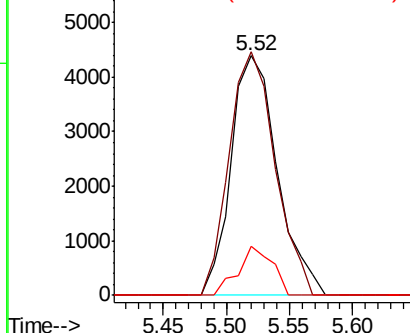
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 11136
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 20.7 14.6 22.0

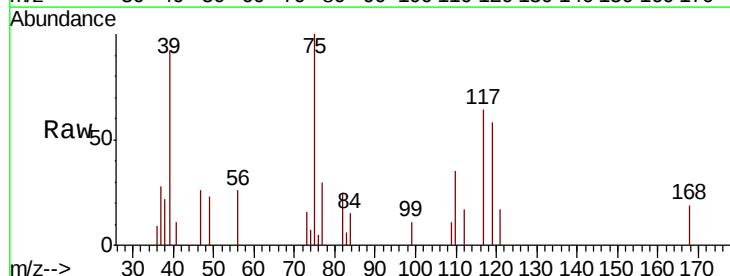


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

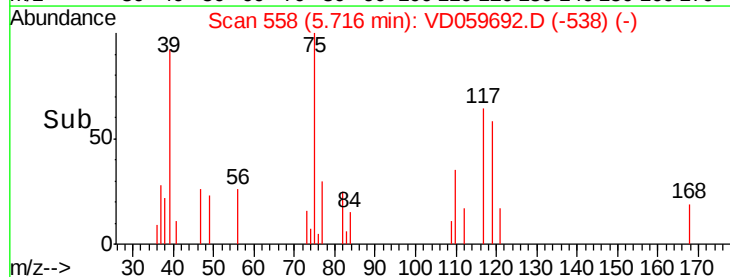
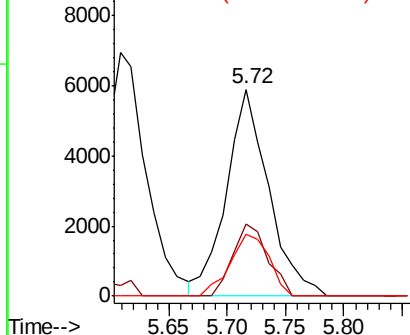


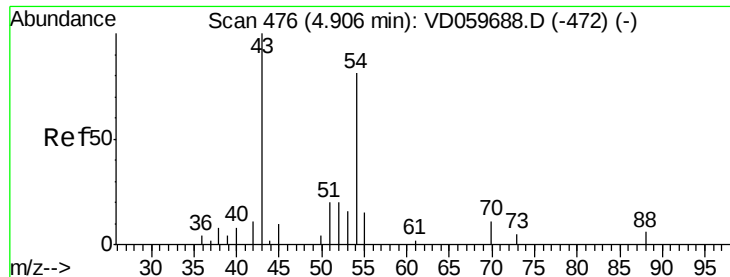
#36
1,1-Dichloropropene
Concen: 5.204 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 75 Resp: 14807
Ion Ratio Lower Upper
75 100
110 35.0 14.1 42.3
77 30.1 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

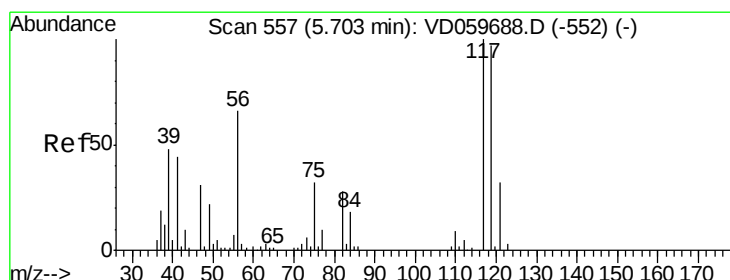
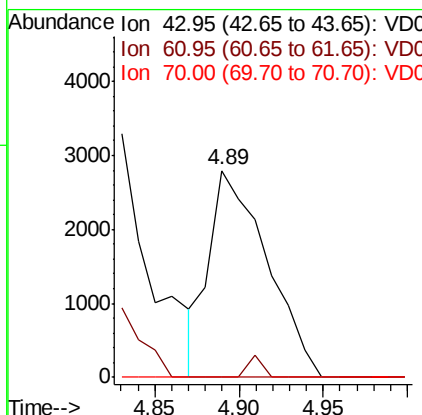
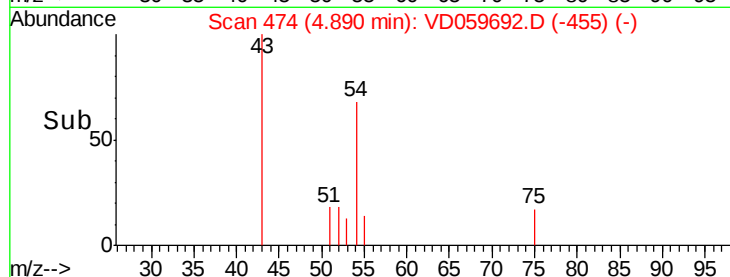
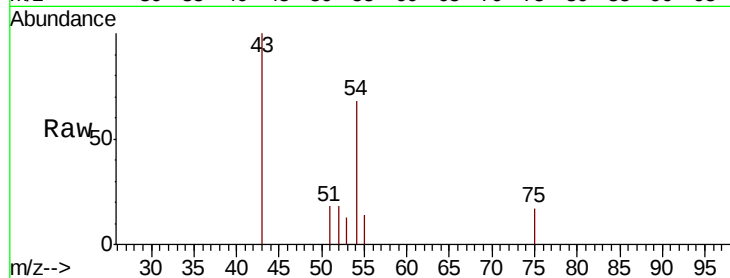




#37
Ethyl Acetate
Concen: 4.966 ug/l
RT: 4.89 min Scan# 474
Delta R.T. -0.02 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

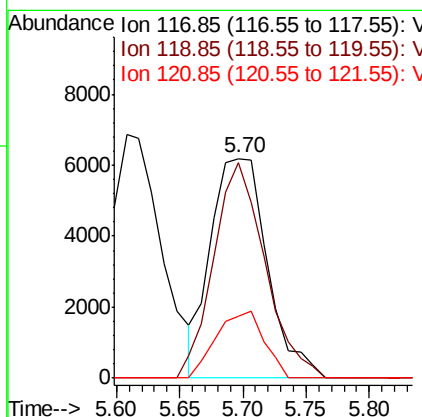
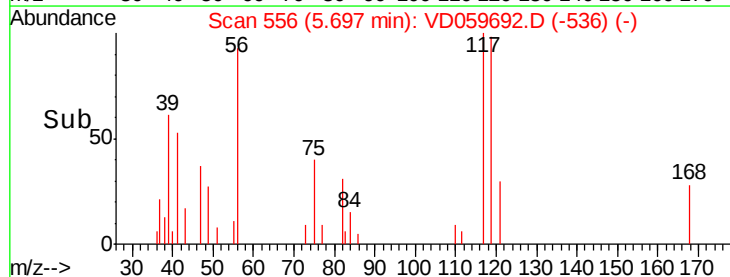
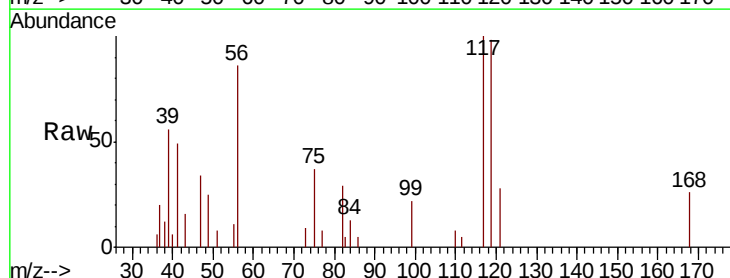
Instrument :
MSVOA_D
ClientSampleID :

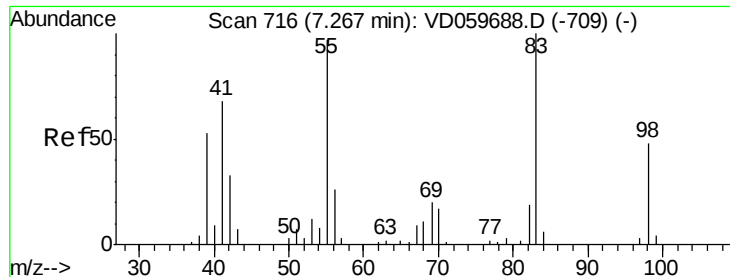
Tot Ion: 43 Resp: 6646
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 5.4 8.2#



#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 5.70 min Scan# 556
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 117 Resp: 19268
Ion Ratio Lower Upper
117 100
119 98.4 75.3 112.9
121 27.9 24.4 36.6

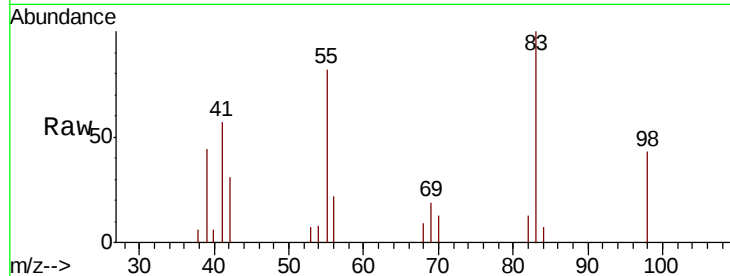




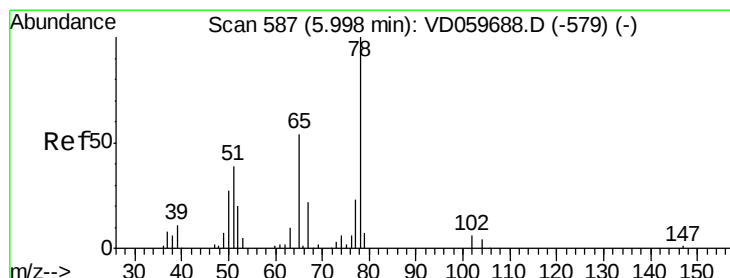
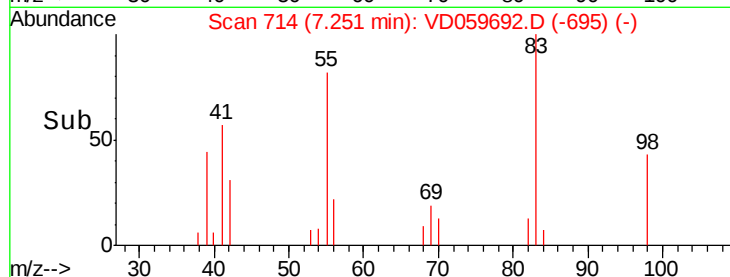
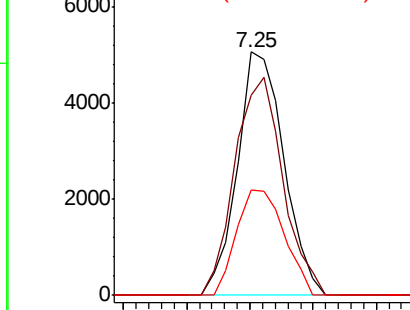
#39
Methvlcvclohexane
Concen: 5.487 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.02 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 12923
Ion Ratio Lower Upper
83 100
55 82.0 77.7 116.5
98 43.1 38.7 58.1

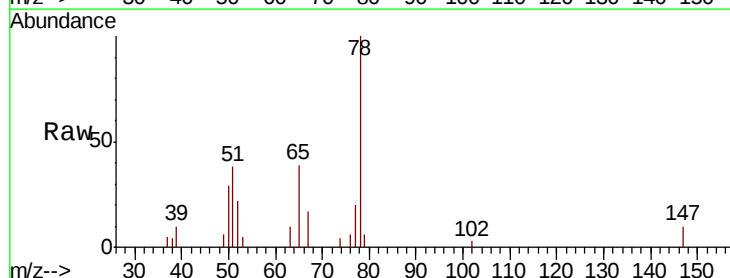


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

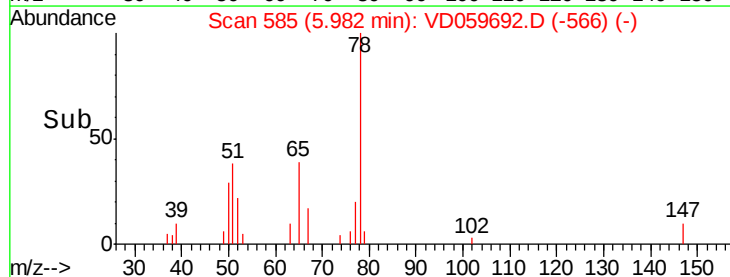
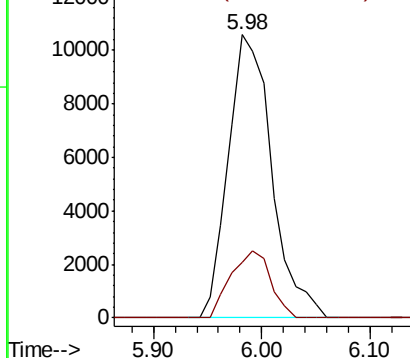


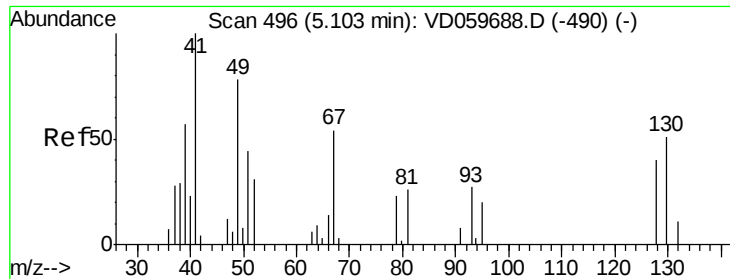
#40
Benzene
Concen: 5.394 ug/l
RT: 5.98 min Scan# 585
Delta R.T. -0.02 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 78 Resp: 29586
Ion Ratio Lower Upper
78 100
77 19.6 18.4 27.6



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

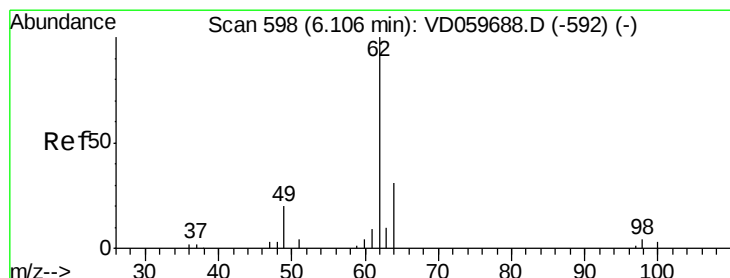
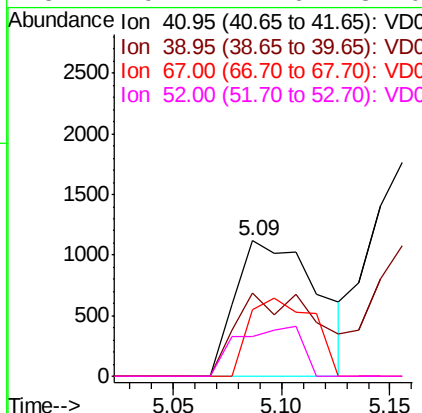
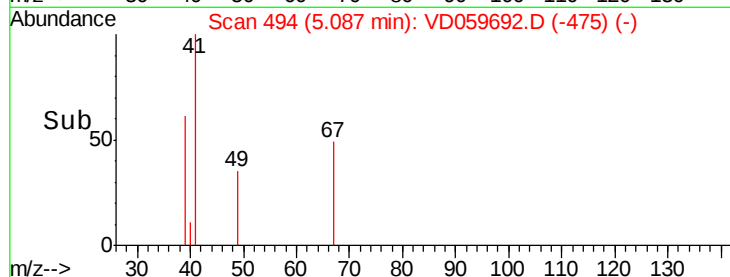
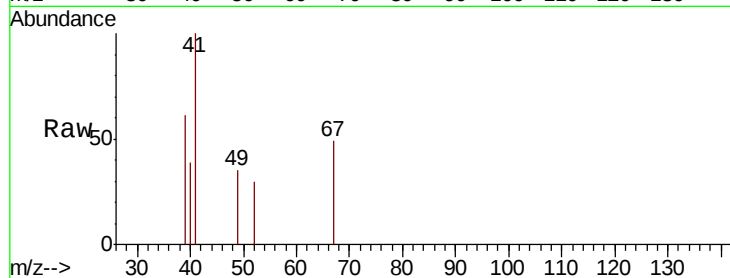




#41
Methacrylonitrile
Concen: 4.579 ug/l
RT: 5.09 min Scan# 494
Delta R.T. -0.02 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

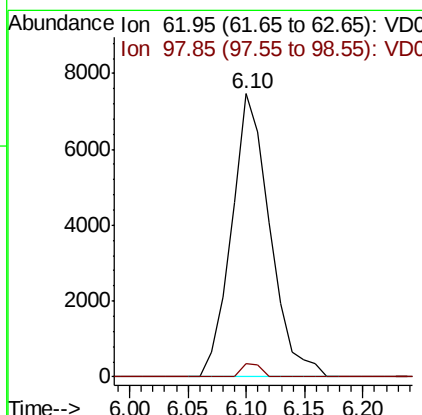
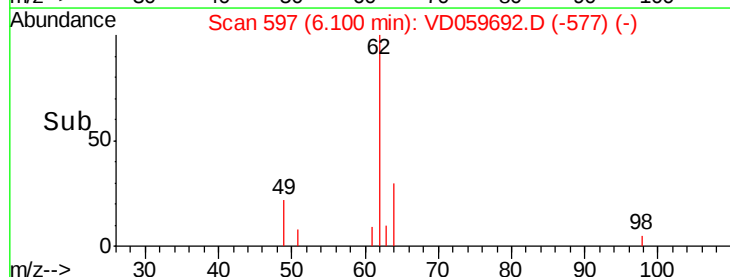
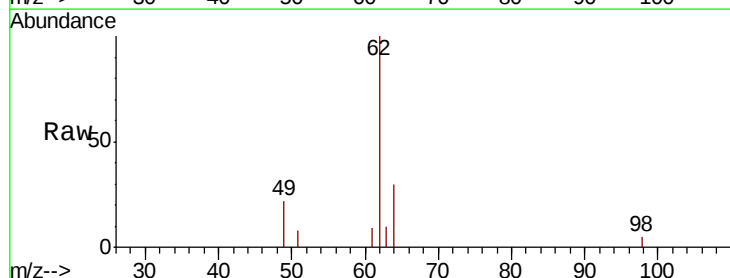
Instrument :
MSVOA_D
ClientSampleId :

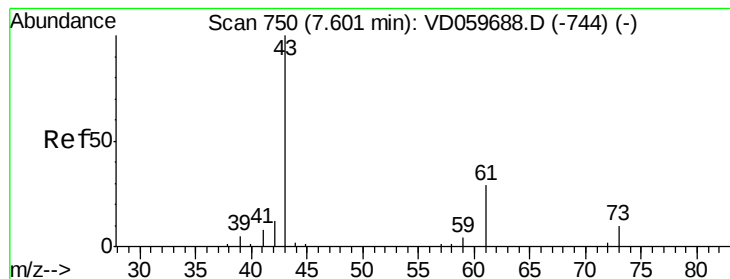
Tot Ion: 41 Resp: 2969
Ion Ratio Lower Upper
41 100
39 61.2 45.8 68.8
67 49.2 43.4 65.2
52 29.7 24.6 37.0



#42
1,2-Dichloroethane
Concen: 5.028 ug/l
RT: 6.10 min Scan# 597
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 62 Resp: 16980
Ion Ratio Lower Upper
62 100
98 4.7 0.0 8.8





#43

Isopropyl Acetate

Concen: 5.048 ug/l

RT: 7.60 min Scan# 749

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

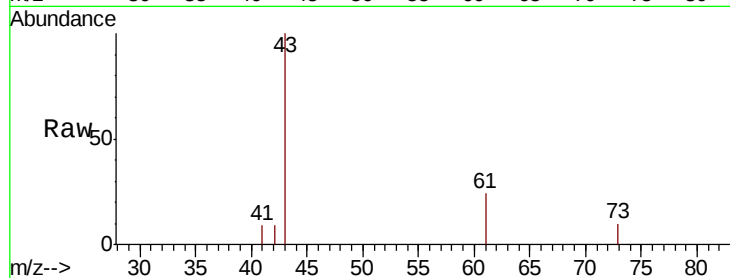
Tot Ion: 43 Resp: 8952

Ion Ratio Lower Upper

43 100

61 24.4 22.9 34.3

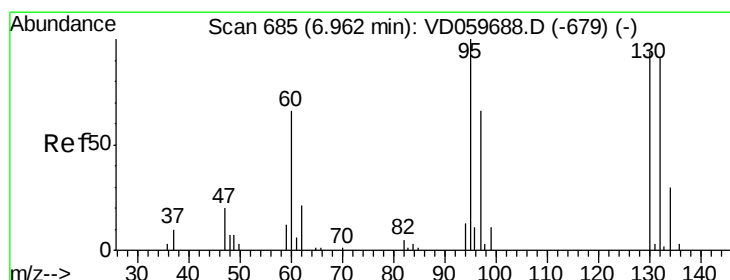
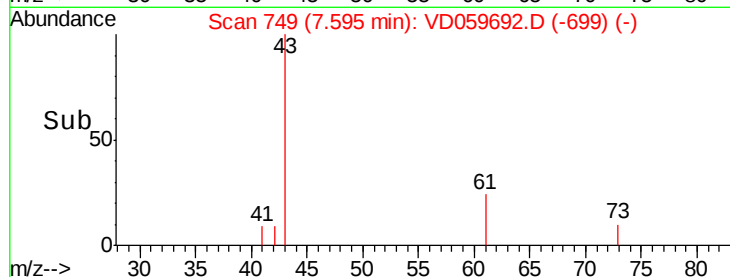
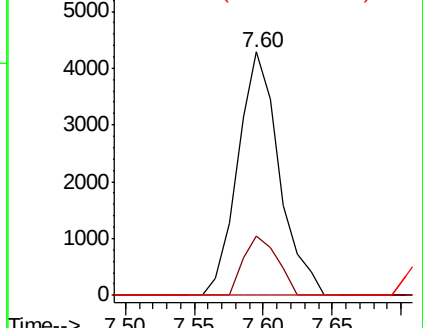
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.903 ug/l

RT: 6.96 min Scan# 684

Delta R.T. -0.01 min

Lab File: VD059692.D

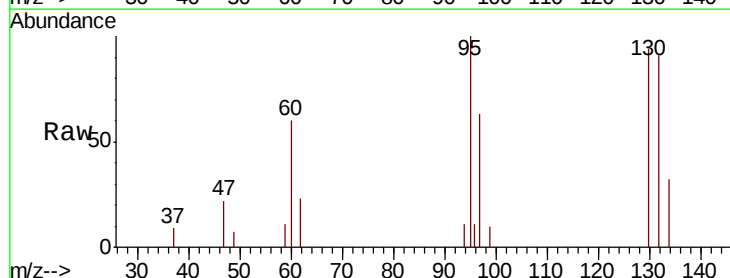
Acq: 6 Aug 2018 13:59

Tgt Ion:130 Resp: 9813

Ion Ratio Lower Upper

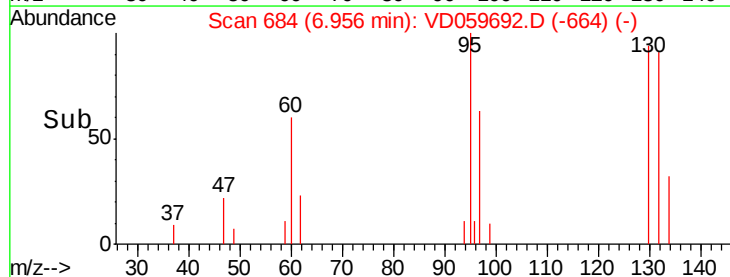
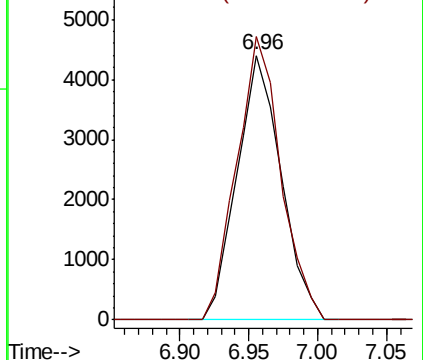
130 100

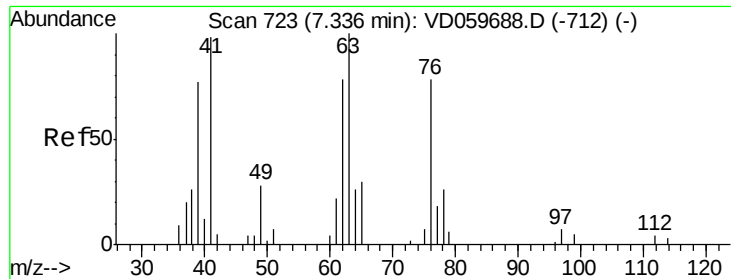
95 107.0 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

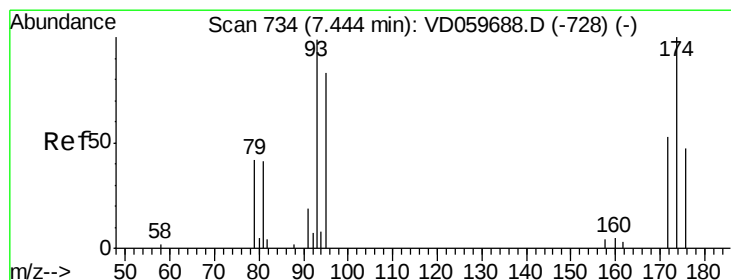
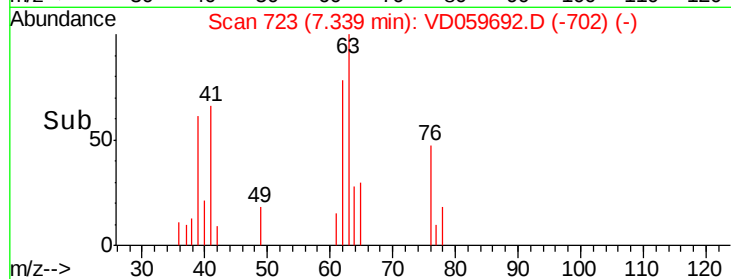
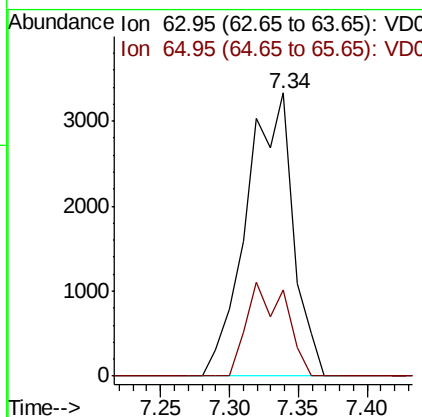
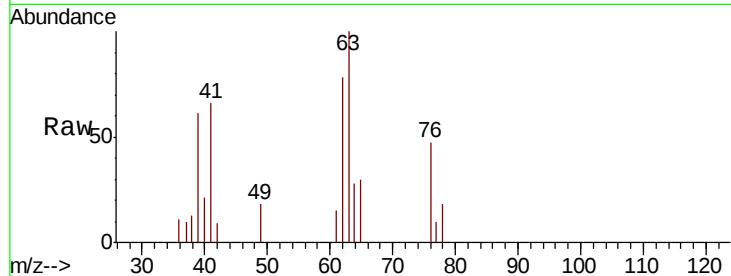




#45
 1,2-Dichloropropane
 Concen: 5.552 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

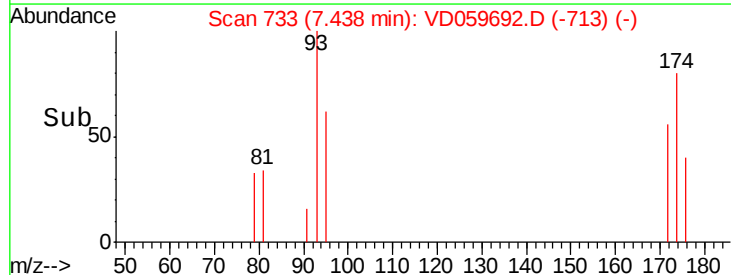
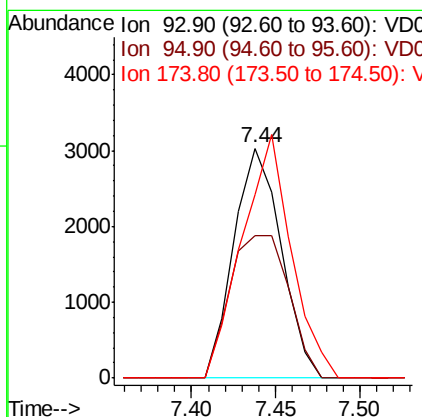
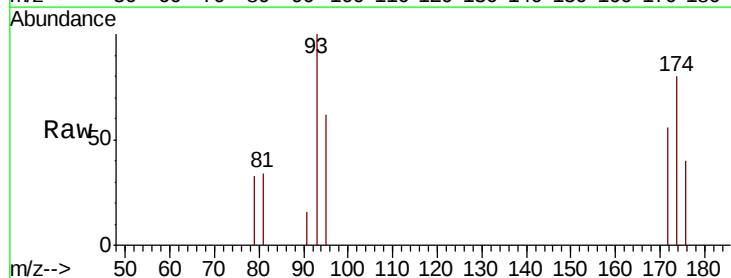
Instrument :
 MSVOA_D
 ClientSampleId :

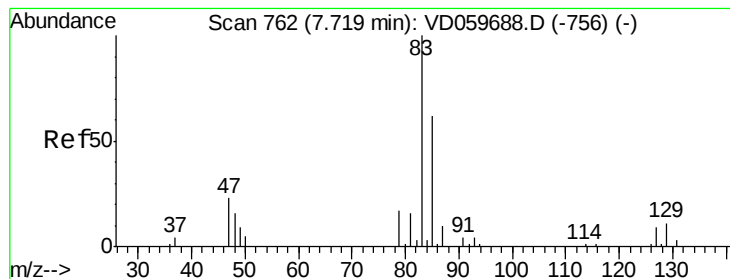
Tot Ion: 63 Resp: 7866
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.2 36.4



#46
 Dibromomethane
 Concen: 4.744 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 93 Resp: 5916
 Ion Ratio Lower Upper
 93 100
 95 62.2 66.6 100.0#
 174 79.5 80.6 120.8#





#47

Bromodichloromethane

Concen: 4.778 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

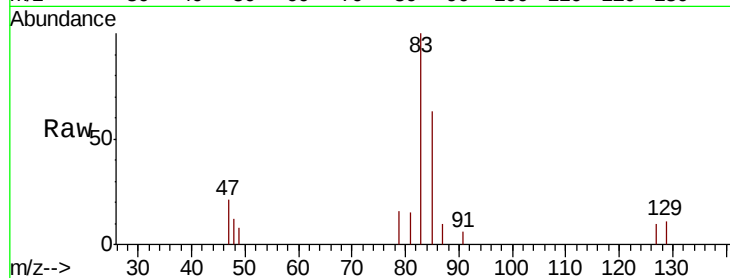
Tot Ion: 83 Resp: 15278

Ion Ratio Lower Upper

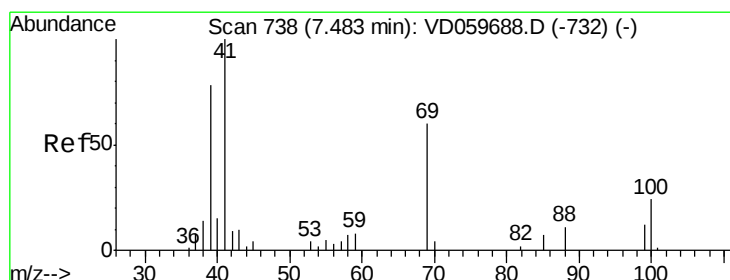
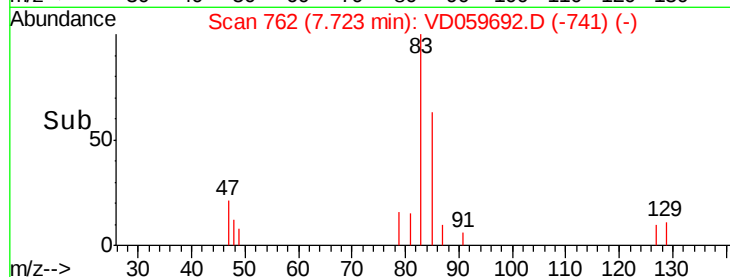
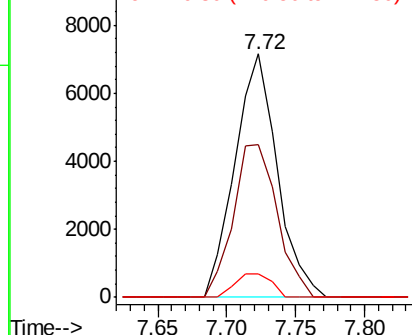
83 100

85 62.9 49.8 74.8

127 9.8 7.3 10.9



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: 4.832 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

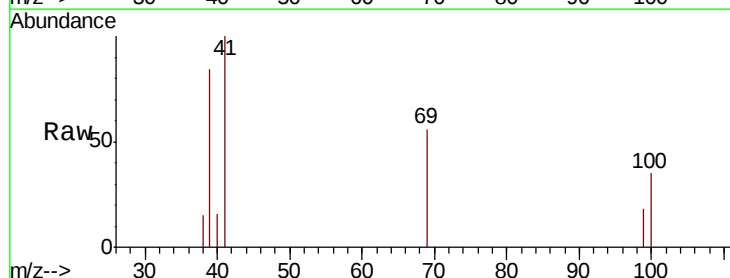
Tgt Ion: 41 Resp: 5677

Ion Ratio Lower Upper

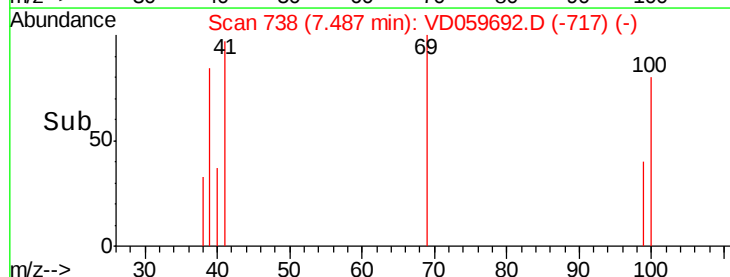
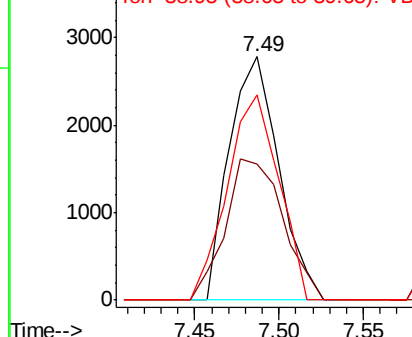
41 100

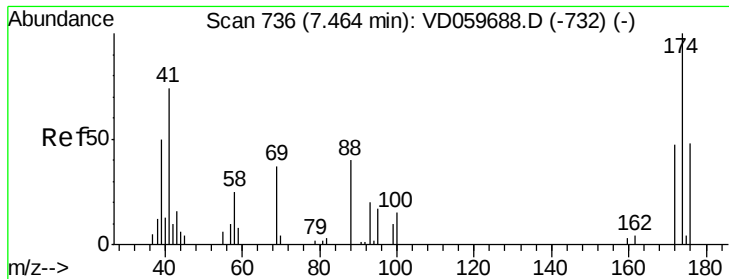
69 55.8 47.3 70.9

39 84.1 62.9 94.3



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

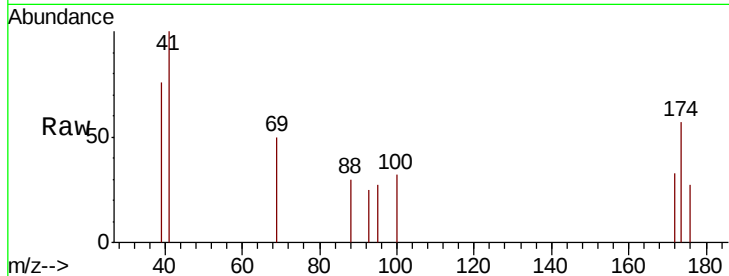




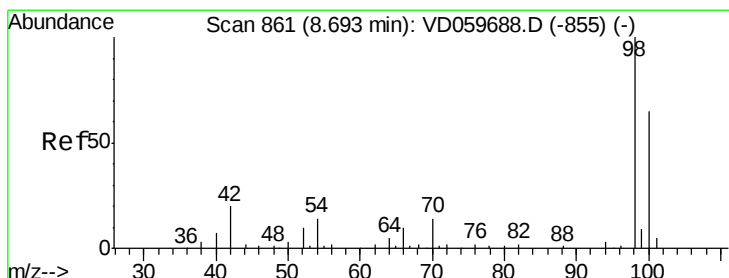
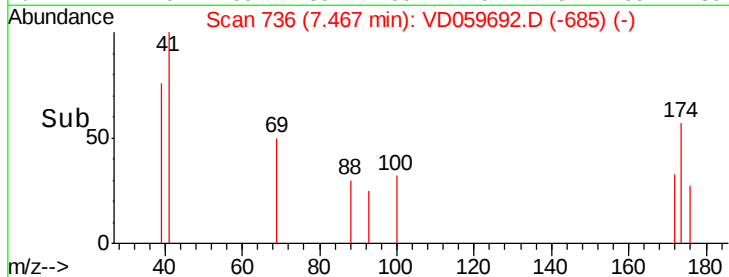
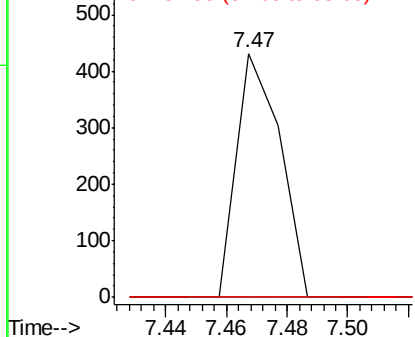
#49
 1,4-Dioxane
 Concen: 47.389 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 433
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.2 48.2#
 58 0.0 51.5 77.3#

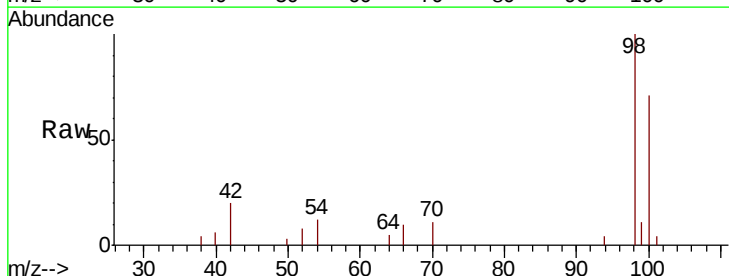


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

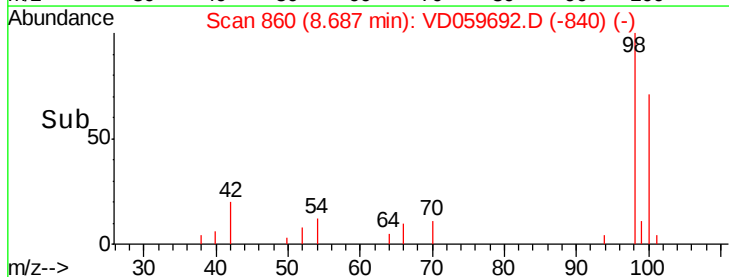
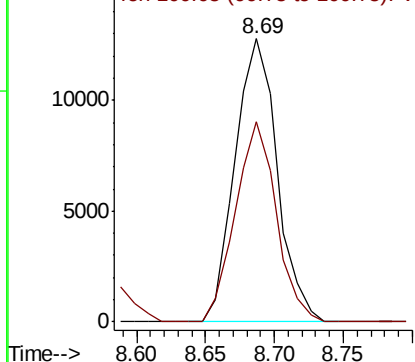


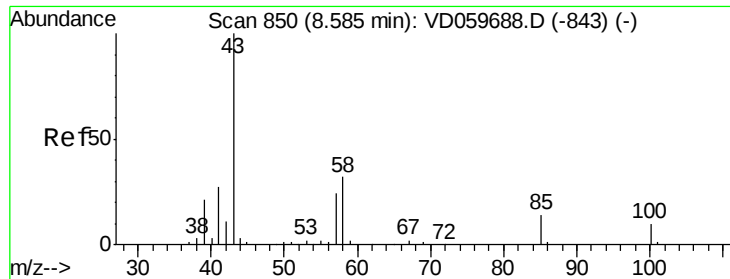
#50
 Toluene-d8
 Concen: 47.389 ug/l
 RT: 8.69 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 98 Resp: 27281
 Ion Ratio Lower Upper
 98 100
 100 70.6 52.5 78.7



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: 24.019 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

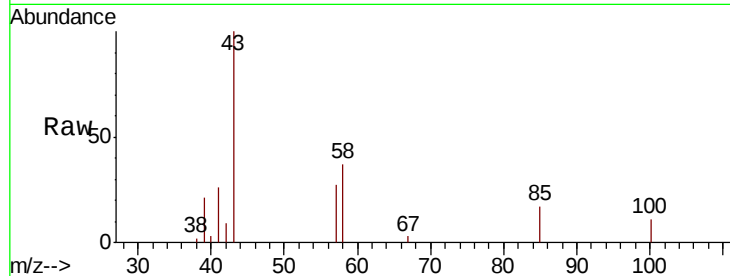
ClientSampled :

Tot Ion: 43 Resp: 31013

Ion Ratio Lower Upper

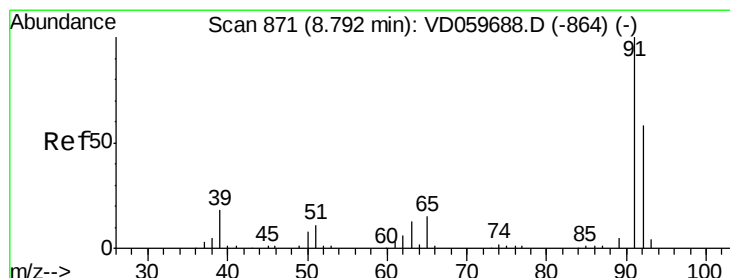
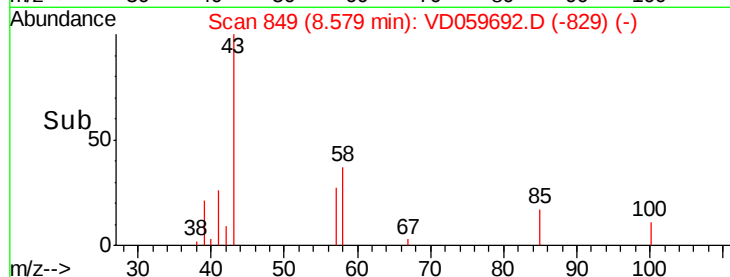
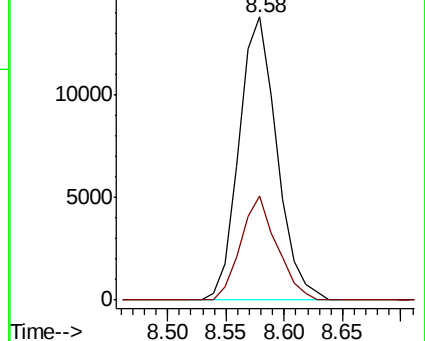
43 100

58 36.6 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 6.012 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.02 min

Lab File: VD059692.D

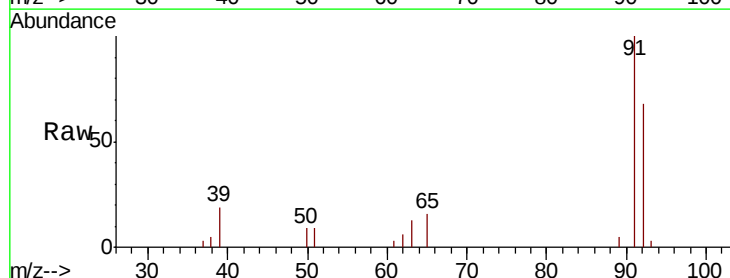
Acq: 6 Aug 2018 13:59

Tgt Ion: 92 Resp: 20773

Ion Ratio Lower Upper

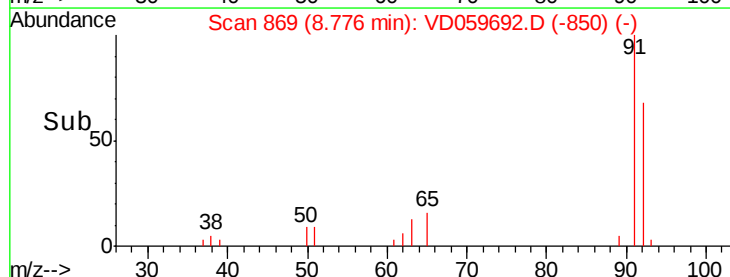
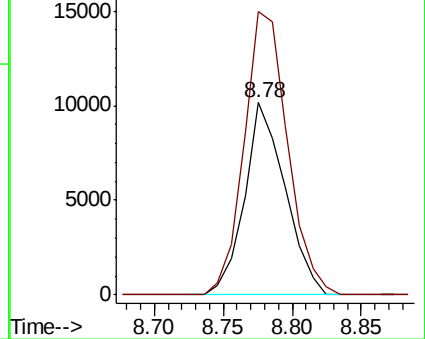
92 100

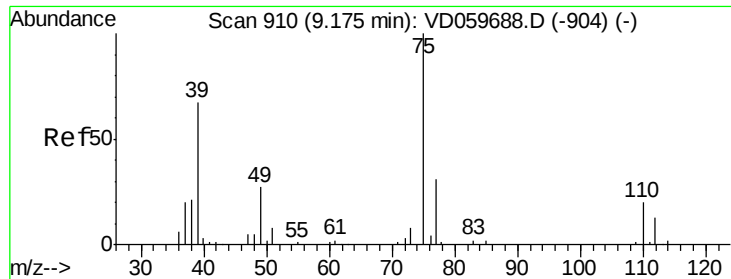
91 147.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

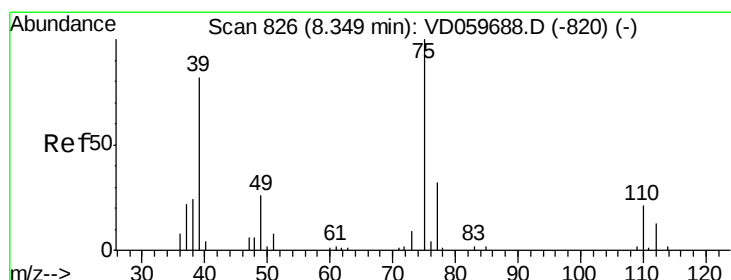
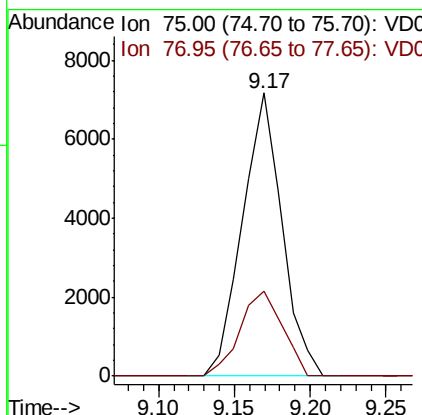
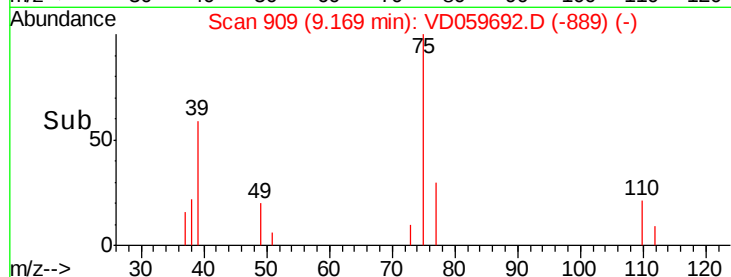
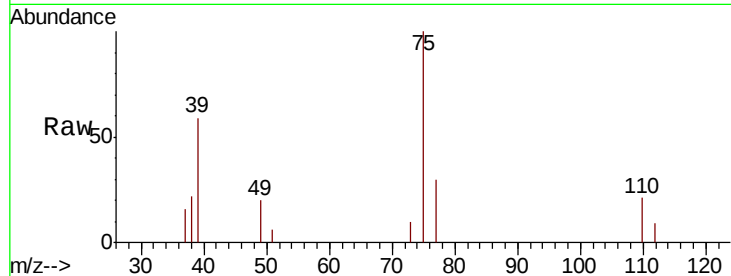




#53
 t-1,3-Dichloropropene
 Concen: 4.817 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

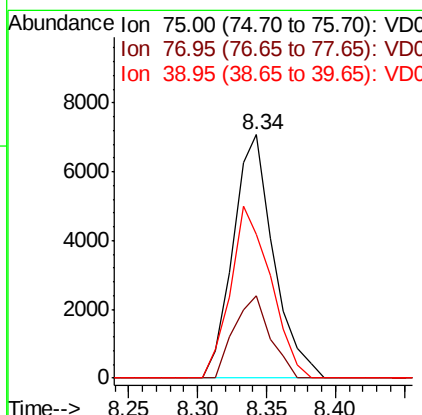
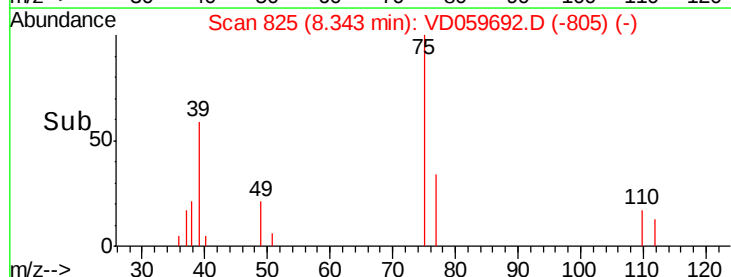
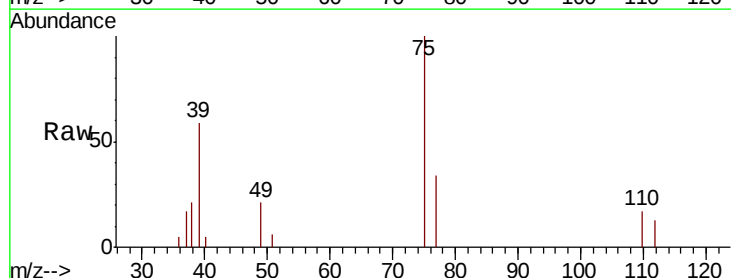
Instrument :
 MSVOA_D
 ClientSampleId :

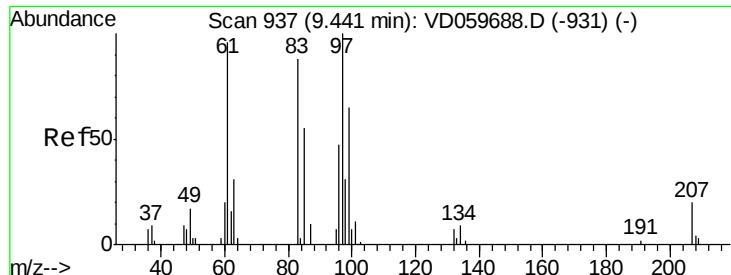
Tot Ion: 75 Resp: 13044
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 5.290 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 75 Resp: 14458
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.5 38.3
 39 58.9 65.4 98.2#

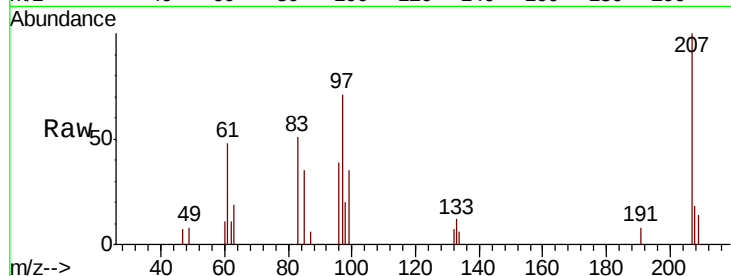




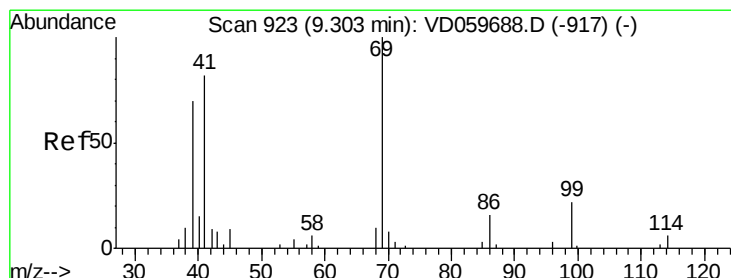
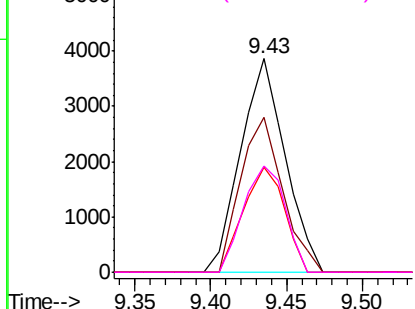
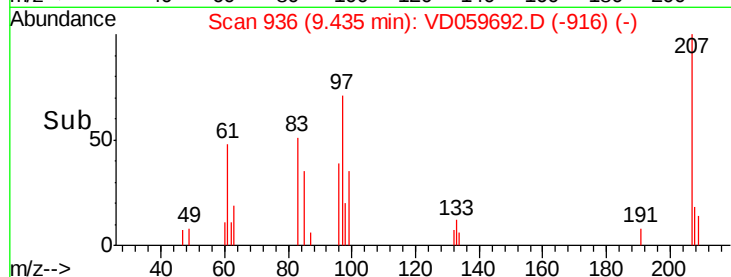
#55
 1,1,2-Trichloroethane
 Concen: 5.972 ug/l
 RT: 9.43 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	7912
Ion	Ratio	Lower	Upper
97	100		
83	72.4	70.8	106.2
85	49.3	44.1	66.1
99	49.6	52.2	78.4#

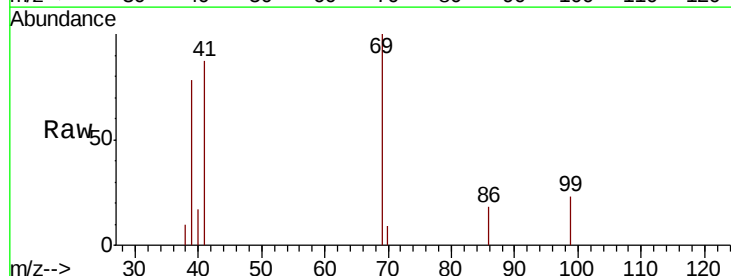


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

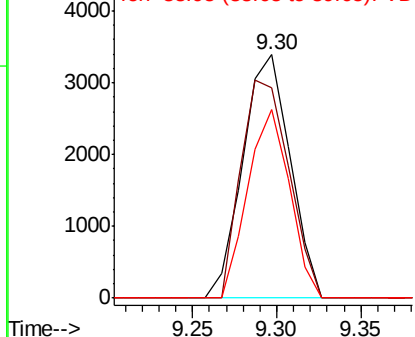
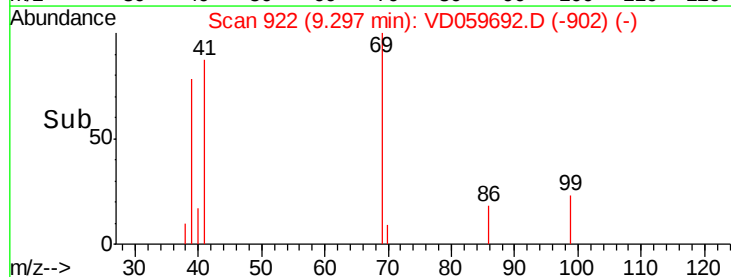


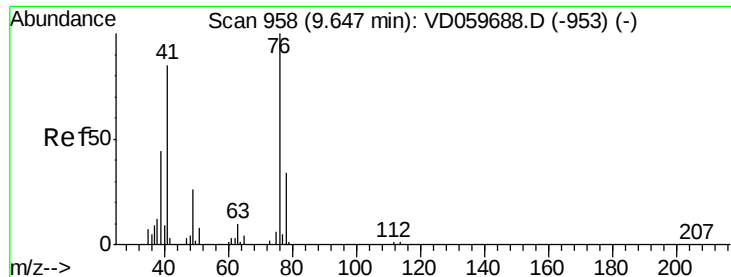
#56
 Ethyl methacrylate
 Concen: 4.403 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion:	69	Resp:	6597
Ion	Ratio	Lower	Upper
69	100		
41	86.6	65.7	98.5
39	77.5	55.8	83.8



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: 4.779 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

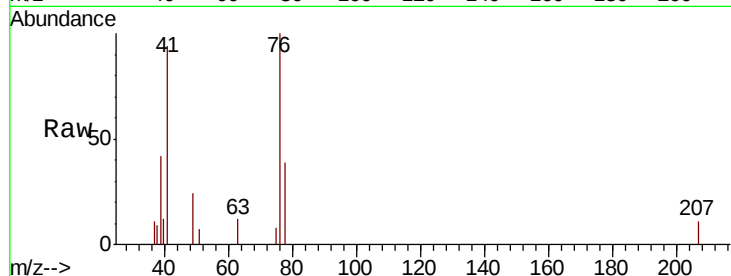
ClientSampleId :

Tot Ion: 76 Resp: 10183

Ion Ratio Lower Upper

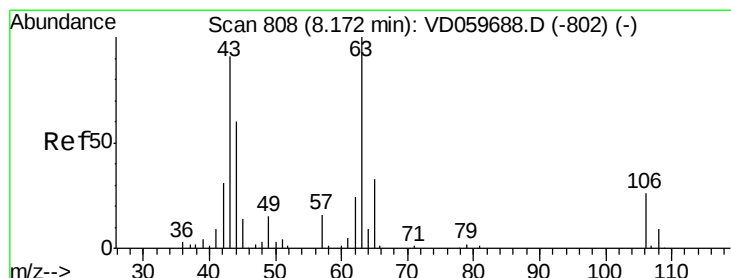
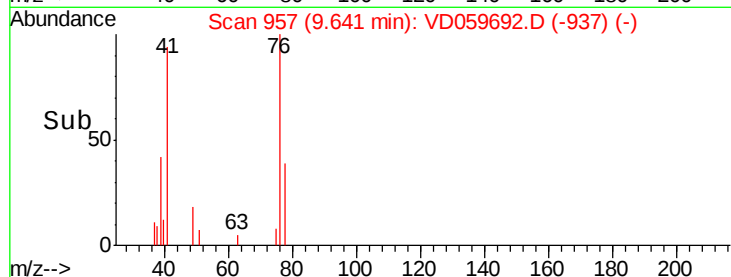
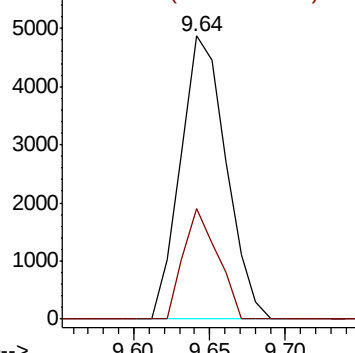
76 100

78 38.9 27.5 41.3



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: 24.199 ug/l

RT: 8.17 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD059692.D

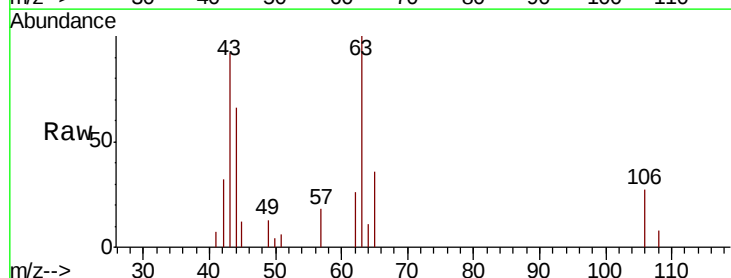
Acq: 6 Aug 2018 13:59

Tgt Ion: 63 Resp: 17113

Ion Ratio Lower Upper

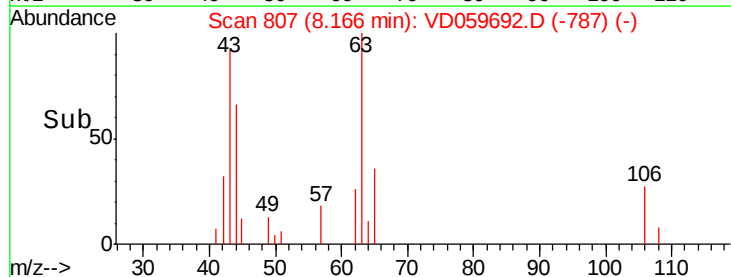
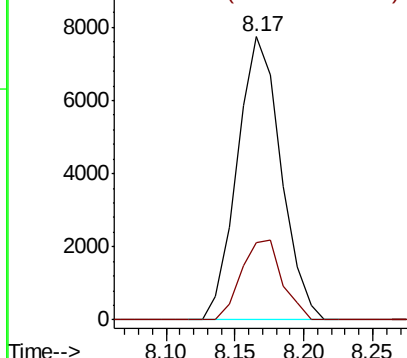
63 100

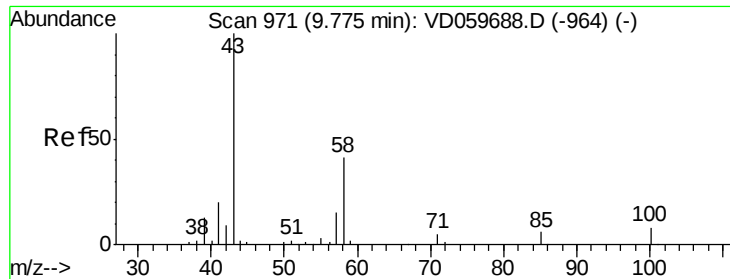
106 27.2 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

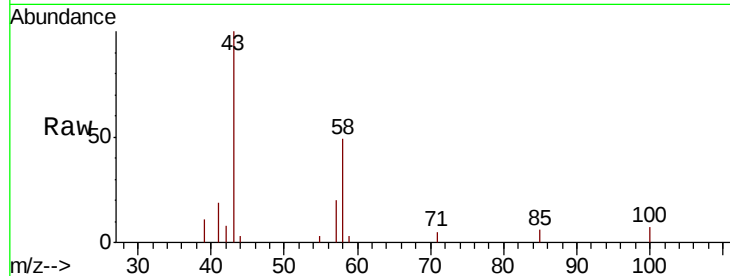




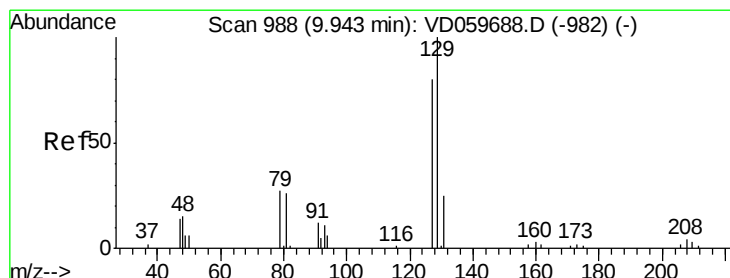
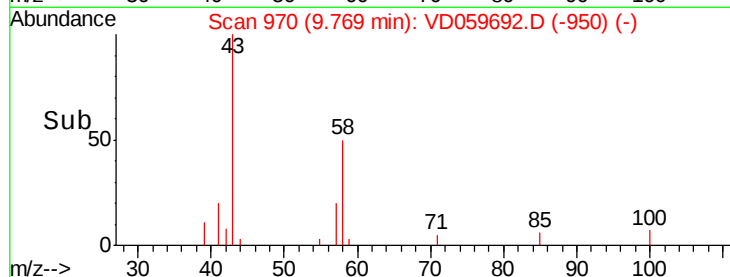
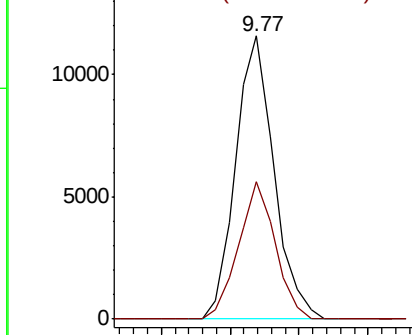
#59
2-Hexanone
Concen: 22.863 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 22342
Ion Ratio Lower Upper
43 100
58 48.8 20.4 61.3

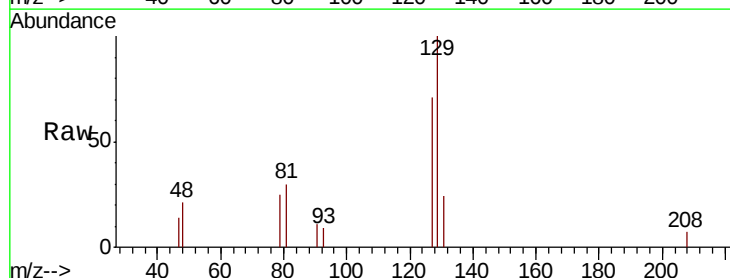


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

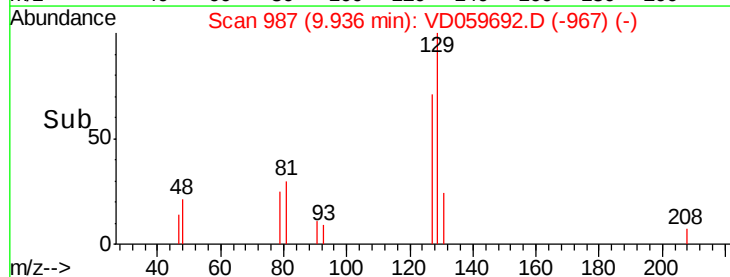
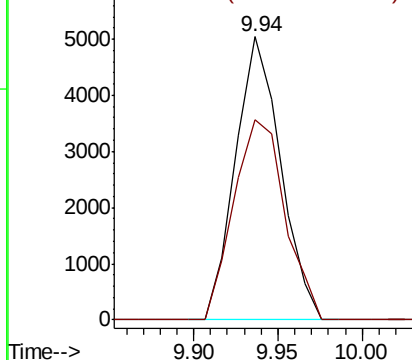


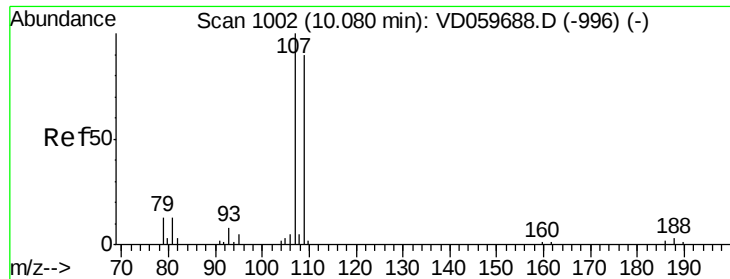
#60
Dibromochloromethane
Concen: 4.351 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion:129 Resp: 9376
Ion Ratio Lower Upper
129 100
127 70.6 40.0 119.9



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





#61

1,2-Dibromoethane

Concen: 4.755 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

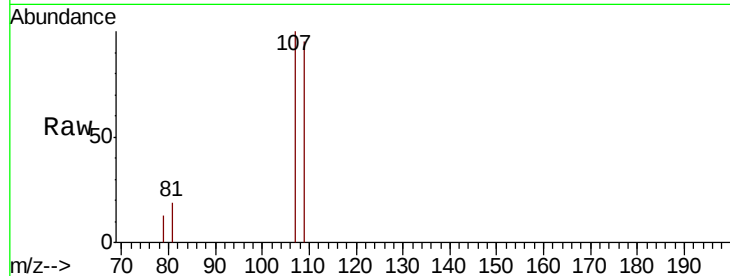
ClientSampleId :

Tot Ion:107 Resp: 7422

Ion Ratio Lower Upper

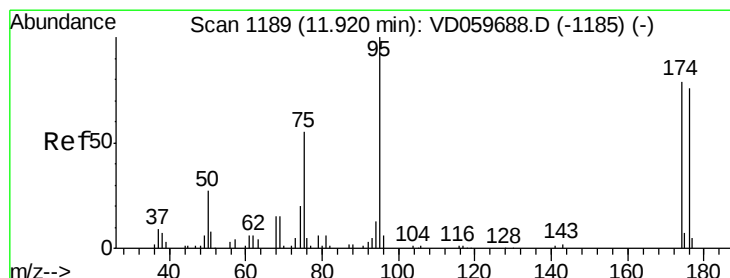
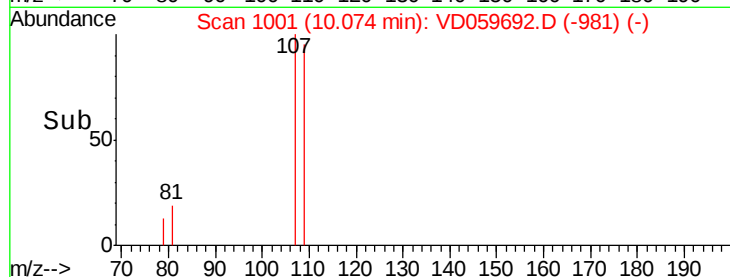
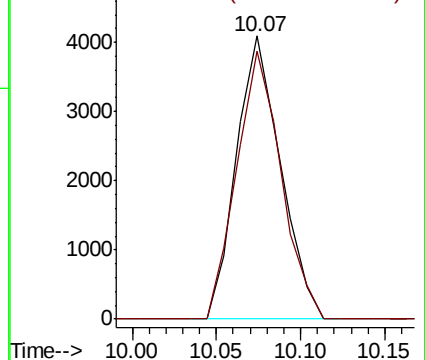
107 100

109 94.5 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.755 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

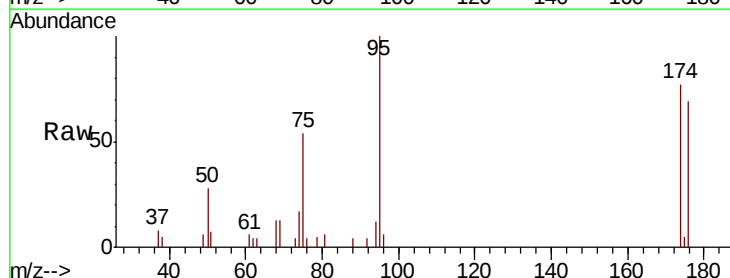
Tgt Ion: 95 Resp: 12643

Ion Ratio Lower Upper

95 100

174 76.7 0.0 158.4

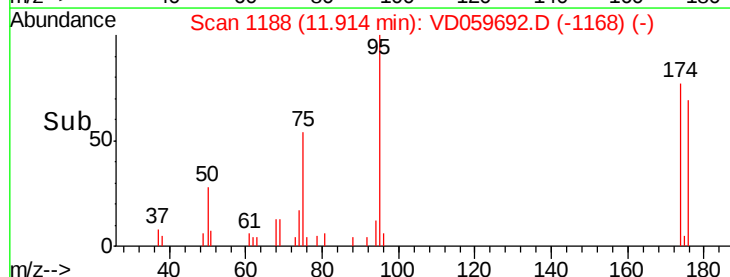
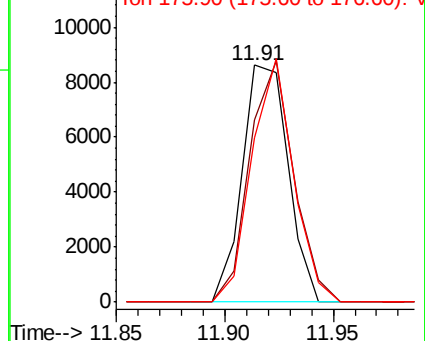
176 69.5 0.0 153.0

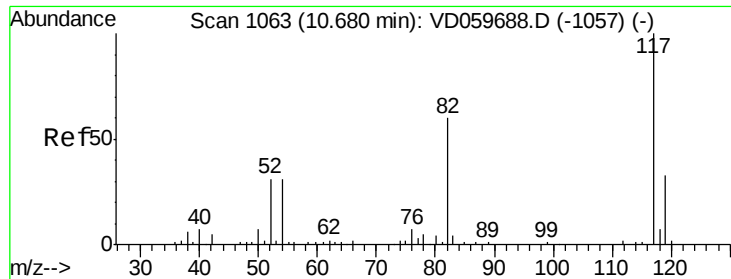


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

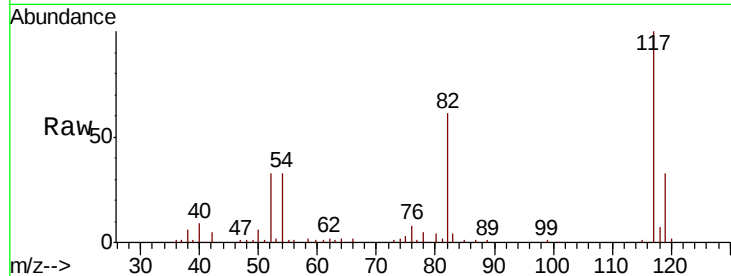




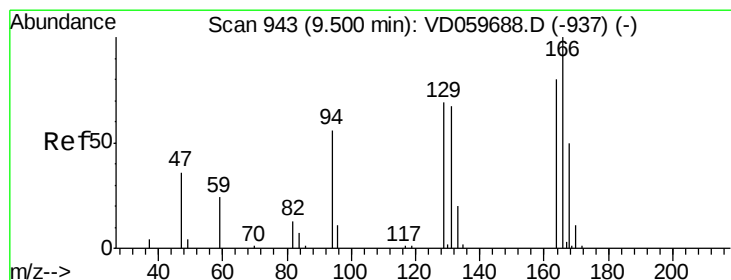
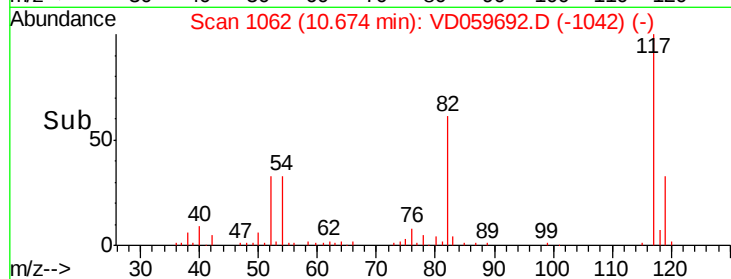
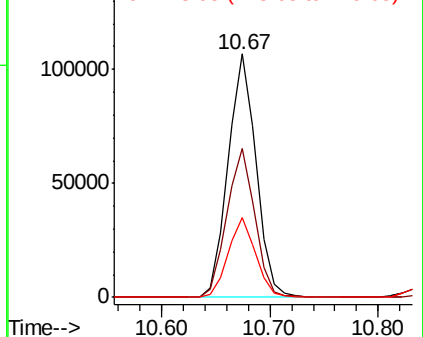
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 191716
Ion Ratio Lower Upper
117 100
82 61.4 47.7 71.5
119 32.9 26.6 40.0



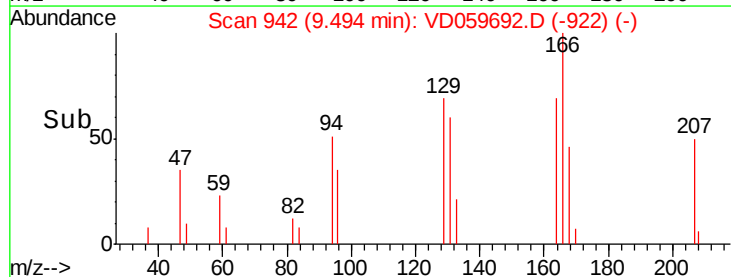
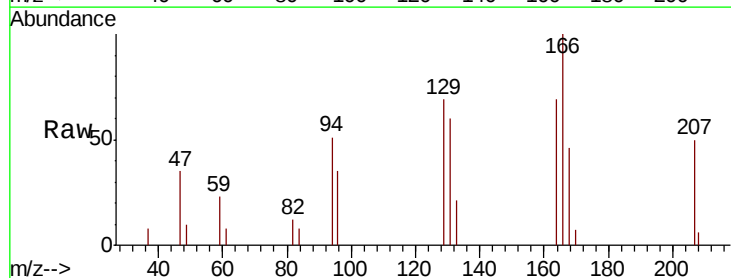
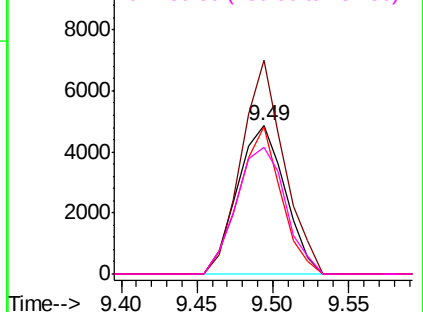
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

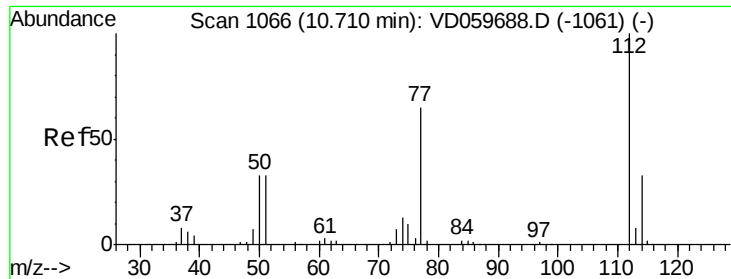


#64
Tetrachloroethene
Concen: 5.976 ug/l
RT: 9.49 min Scan# 942
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion:164 Resp: 10666
Ion Ratio Lower Upper
164 100
166 144.0 100.5 150.7
129 99.4 69.3 103.9
131 85.8 67.3 100.9

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

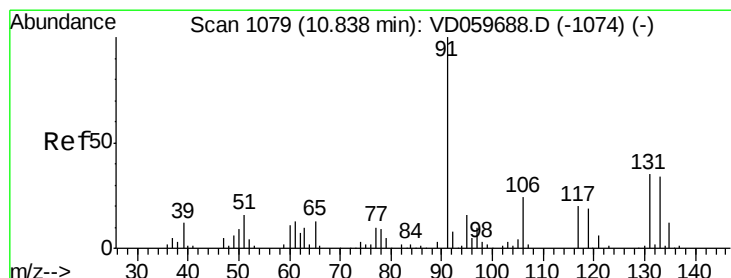
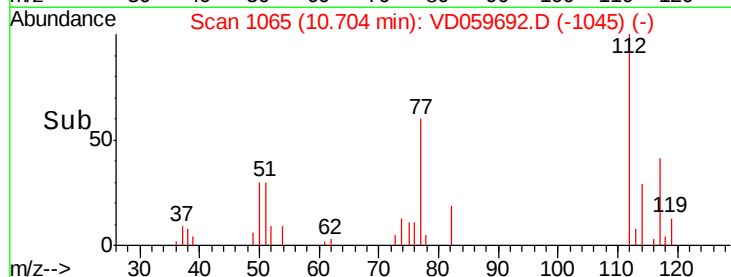
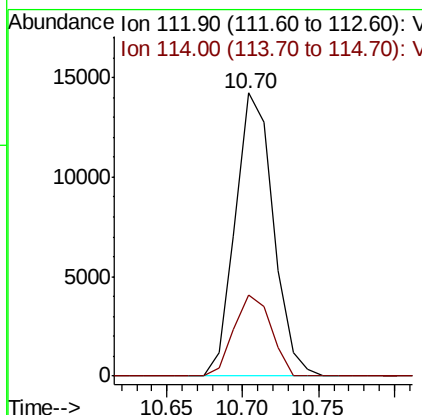
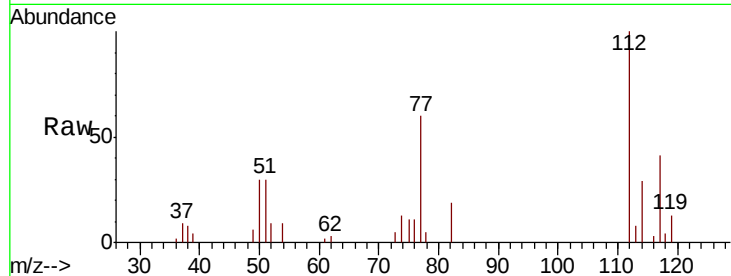




#65
Chlorobenzene
Concen: 6.379 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

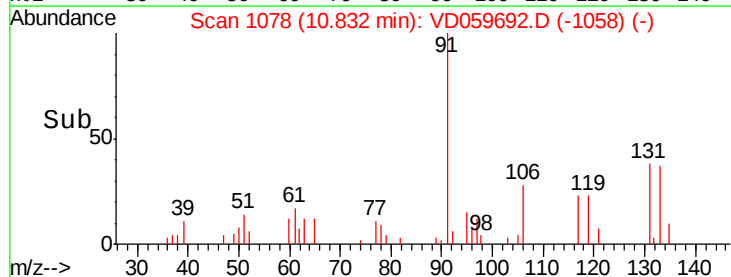
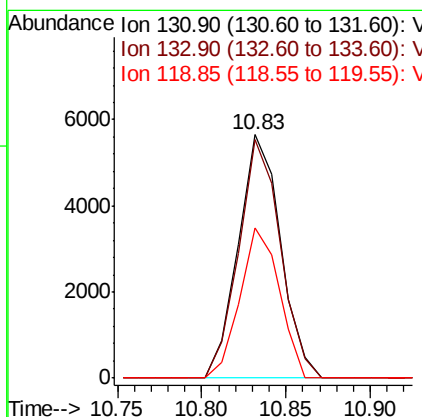
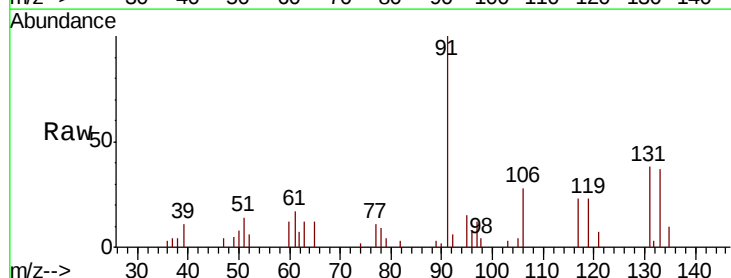
Instrument :
MSVOA_D
ClientSampleId :

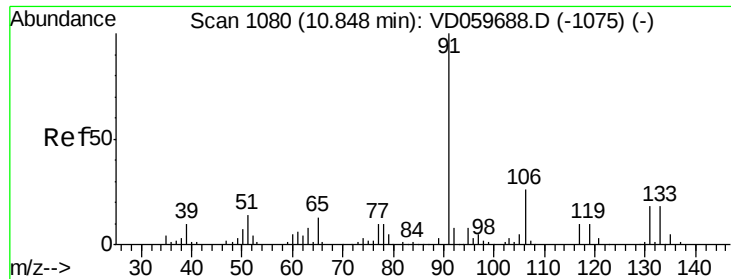
Tot Ion:112 Resp: 24823
Ion Ratio Lower Upper
112 100
114 28.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 5.621 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion:131 Resp: 9832
Ion Ratio Lower Upper
131 100
133 98.0 49.7 149.1
119 61.8 27.0 80.8

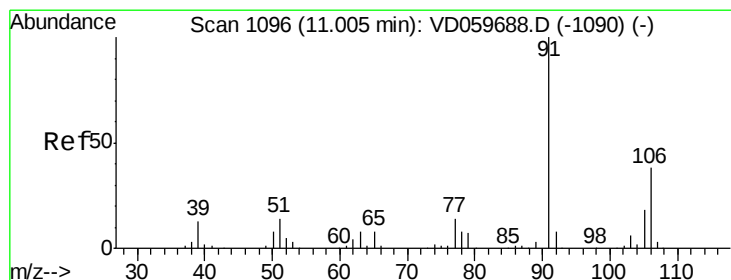
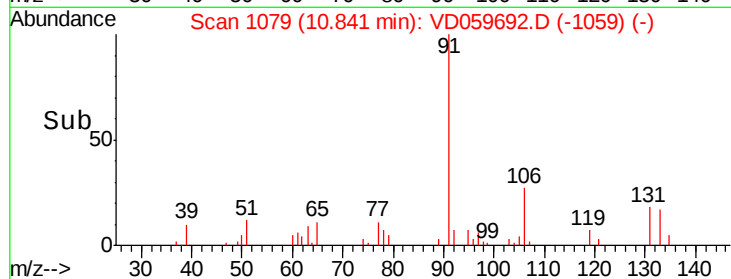
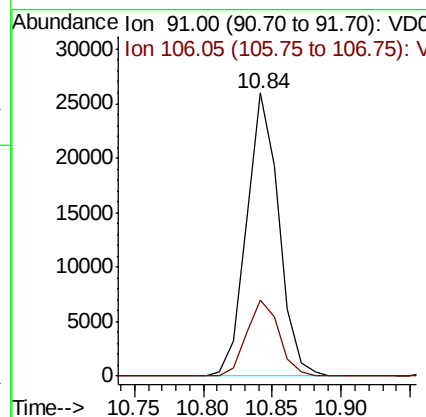
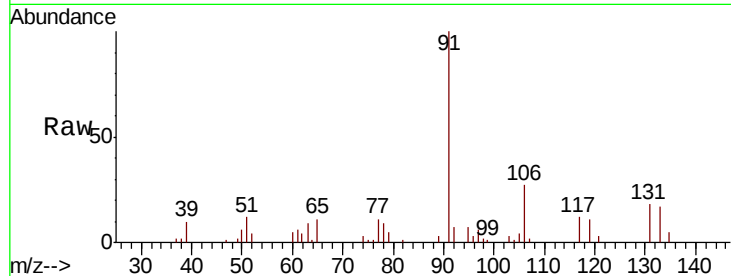




#67
Ethyl Benzene
Concen: 5.872 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

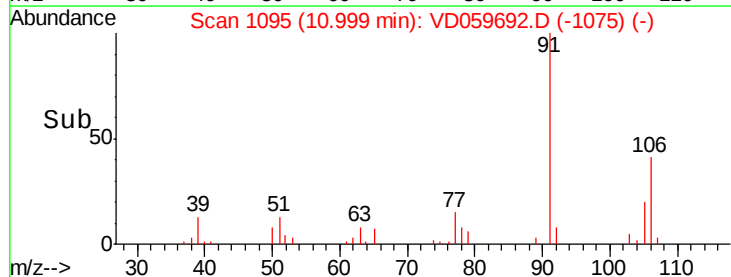
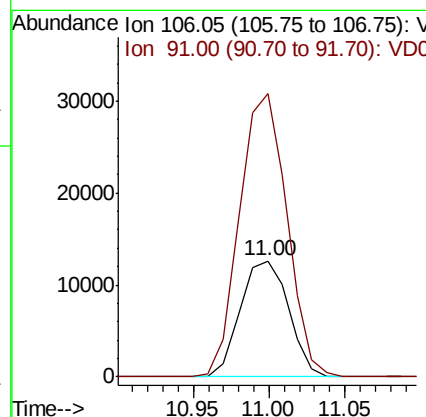
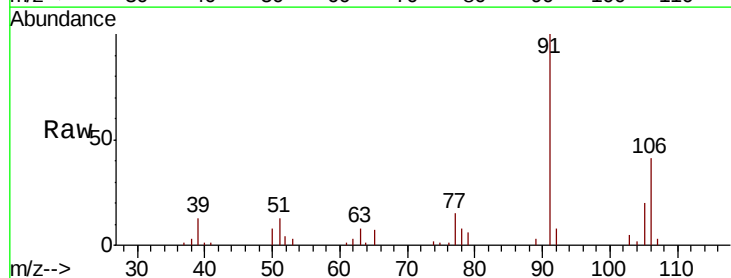
Instrument :
MSVOA_D
ClientSampleID :

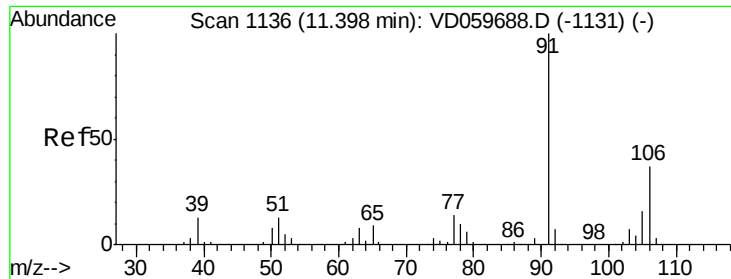
Tot Ion: 91 Resp: 42239
Ion Ratio Lower Upper
91 100
106 26.6 20.9 31.3



#68
m/p-Xylenes
Concen: 12.250 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 106 Resp: 27961
Ion Ratio Lower Upper
106 100
91 244.2 209.7 314.5

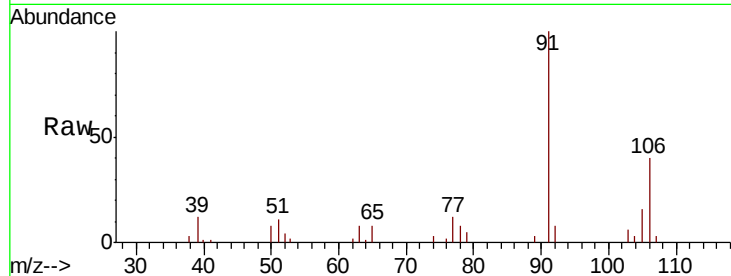




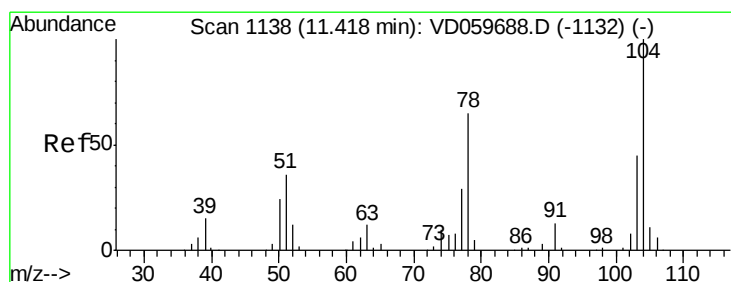
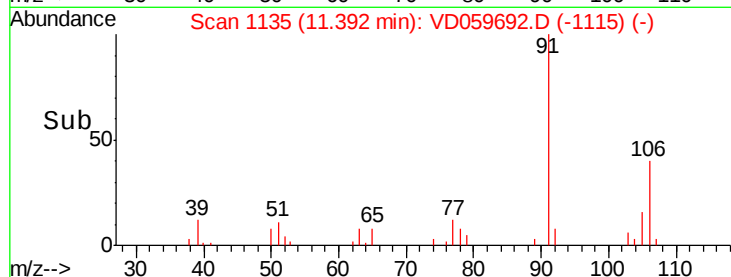
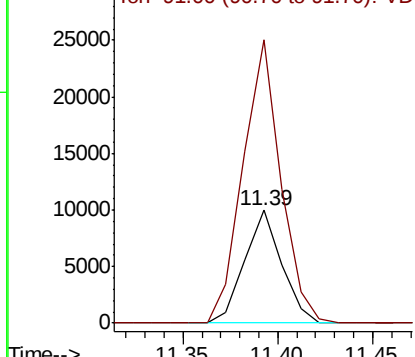
#69
o-Xylene
Concen: 6.054 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 13550
Ion Ratio Lower Upper
106 100
91 251.1 135.2 405.6

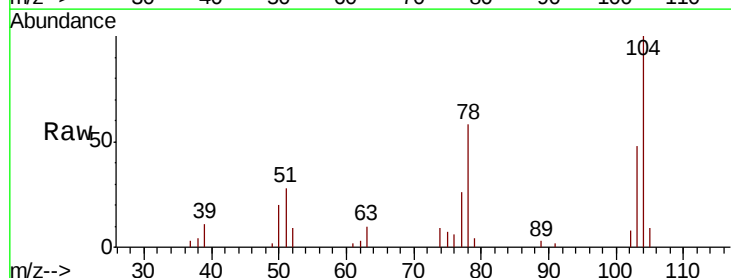


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

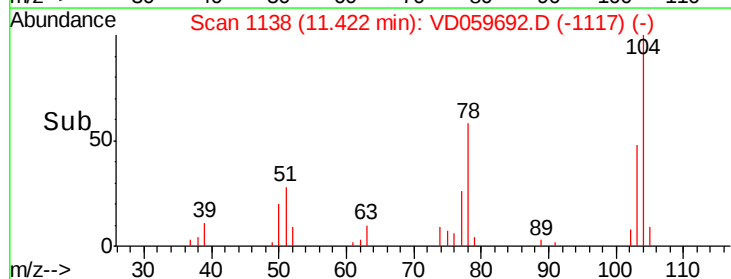
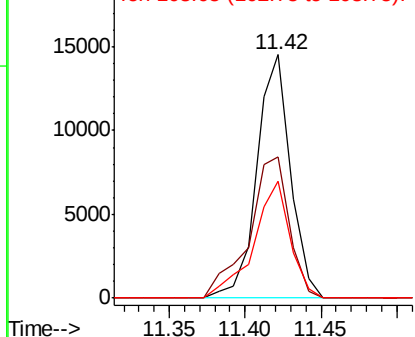


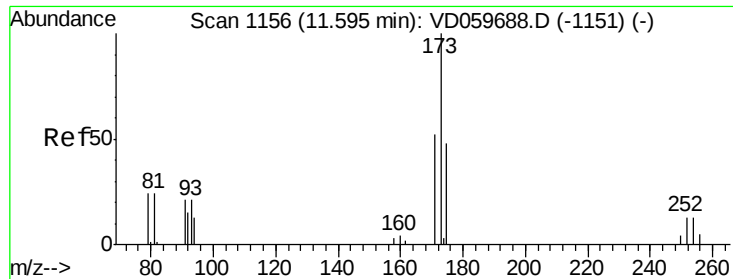
#70
Styrene
Concen: 6.025 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion:104 Resp: 22311
Ion Ratio Lower Upper
104 100
78 57.9 51.9 77.9
103 48.2 36.2 54.4



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

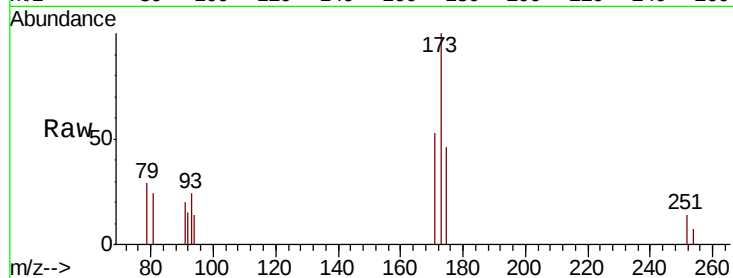




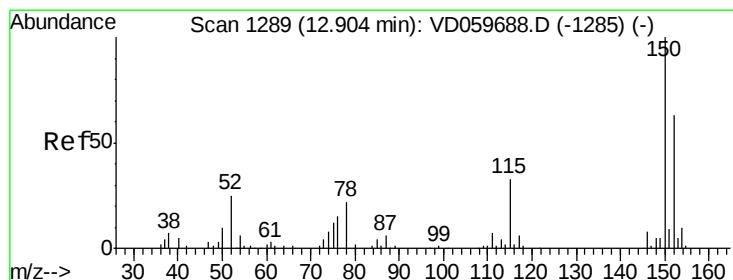
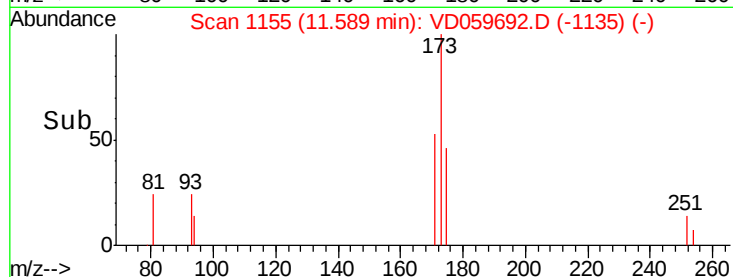
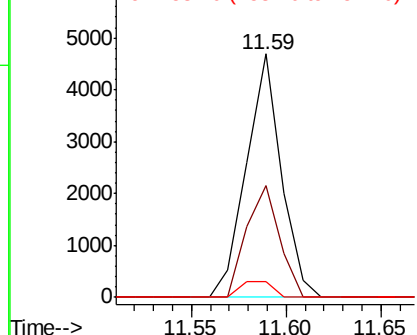
#71
Bromoform
Concen: 4.541 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 6006
Ion Ratio Lower Upper
173 100
175 46.1 24.1 72.4
254 6.5 10.6 16.0#

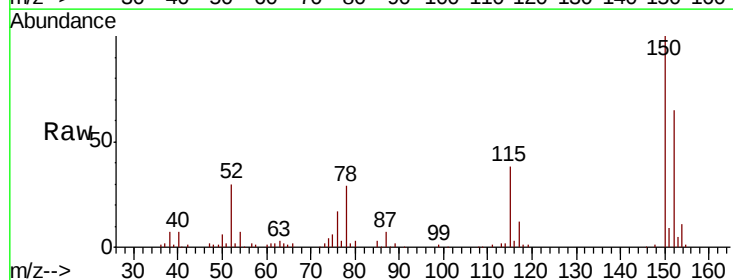


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

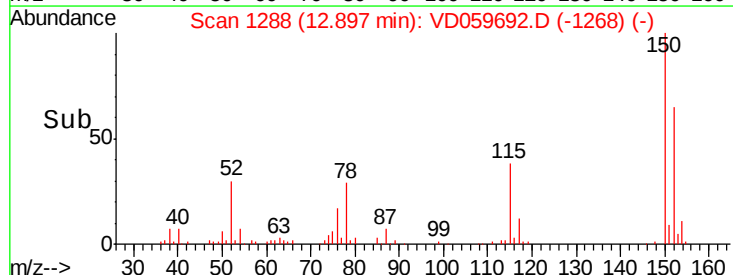
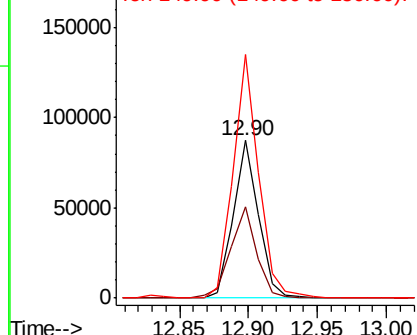


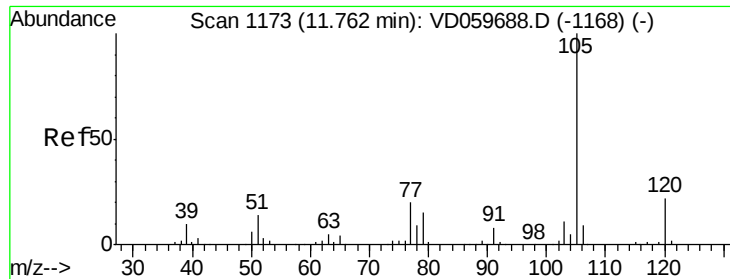
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion:152 Resp: 111044
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.4
150 154.5 0.0 318.0



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: 5.347 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

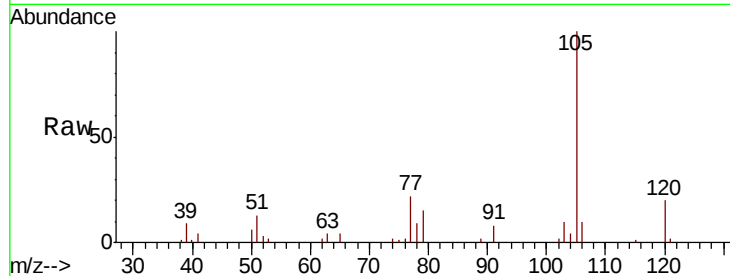
ClientSampleId :

Tot Ion:105 Resp: 40220

Ion Ratio Lower Upper

105 100

120 20.2 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

30000

25000

20000

15000

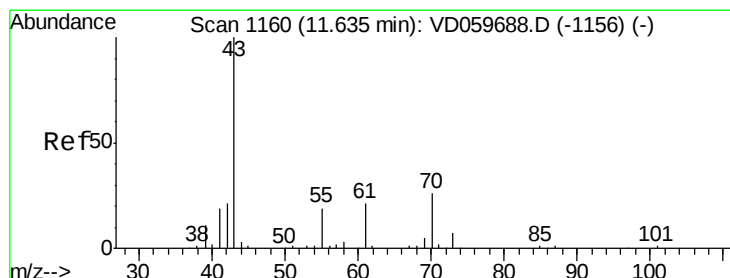
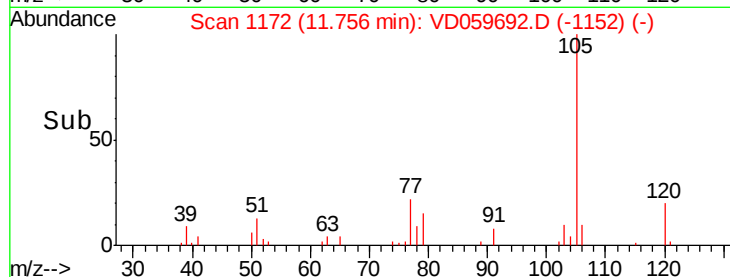
10000

5000

0

Time-->

11.70 11.75 11.80



#74

N-ethyl acetate

Concen: 5.051 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Tgt Ion: 43 Resp: 11883

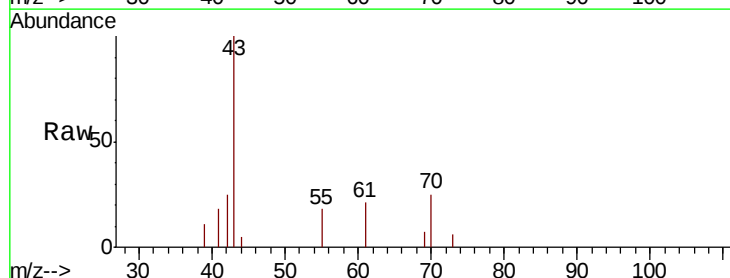
Ion Ratio Lower Upper

43 100

70 24.7 21.0 31.6

55 17.7 15.4 23.2

61 21.2 16.8 25.2



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

12000

10000

8000

6000

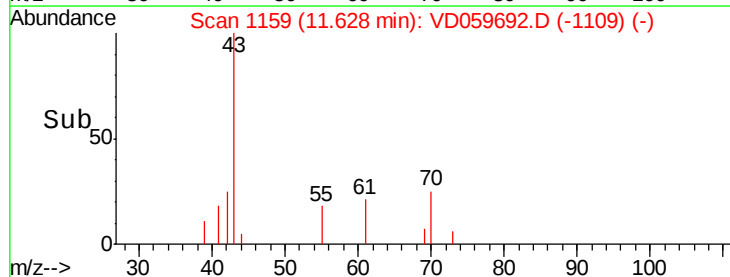
4000

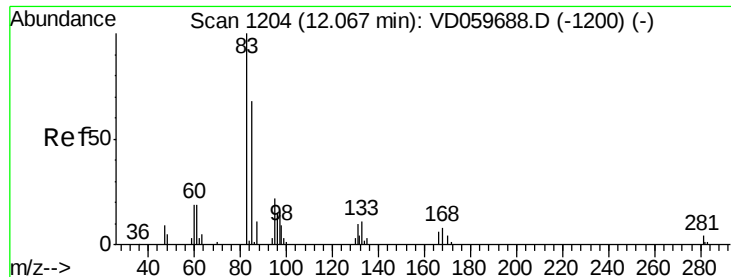
2000

0

Time-->

11.60 11.65 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 5.481 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

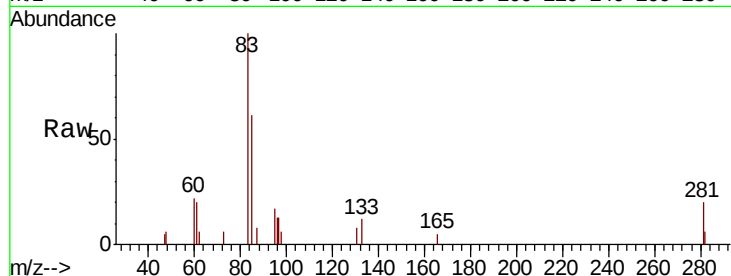
Tot Ion: 83 Resp: 8019

Ion Ratio Lower Upper

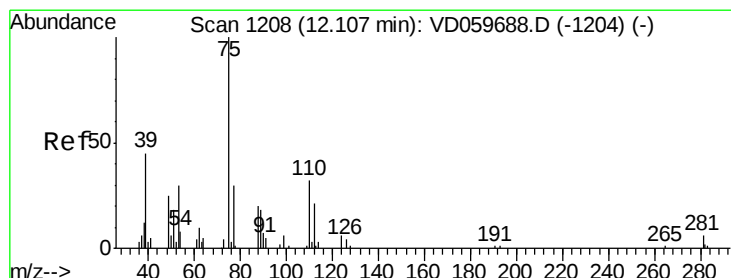
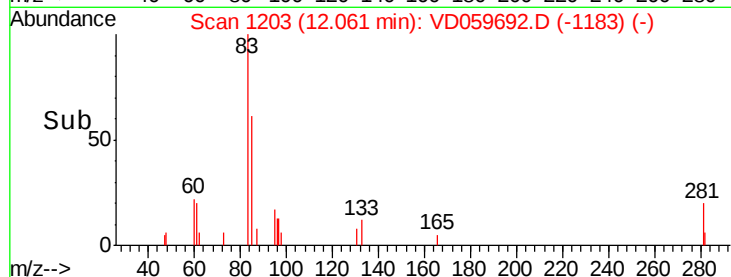
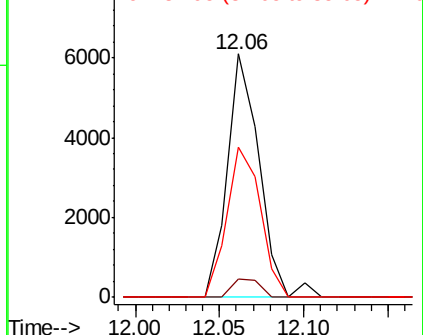
83 100

131 7.8 5.3 15.9

85 61.4 34.1 102.2



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: 5.196 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059692.D

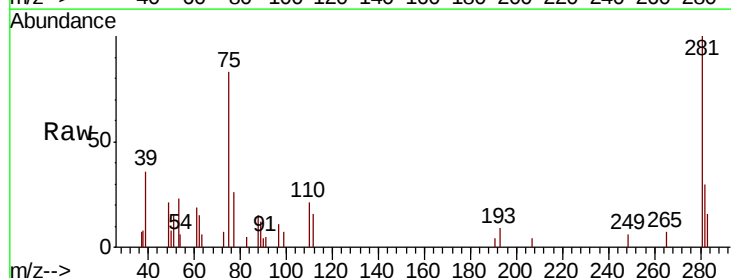
Acq: 6 Aug 2018 13:59

Tgt Ion: 75 Resp: 8958

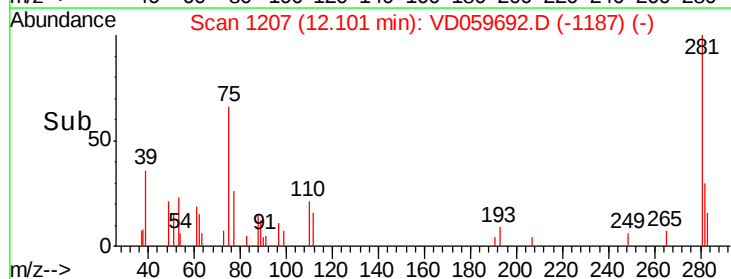
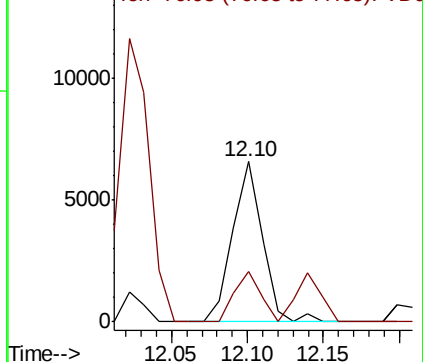
Ion Ratio Lower Upper

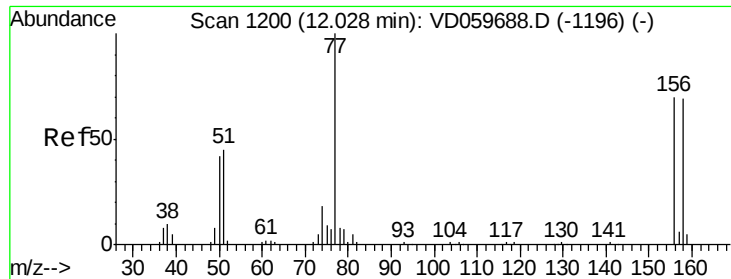
75 100

77 31.4 15.5 46.5



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





#77

Bromobenzene

Concen: 5.675 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

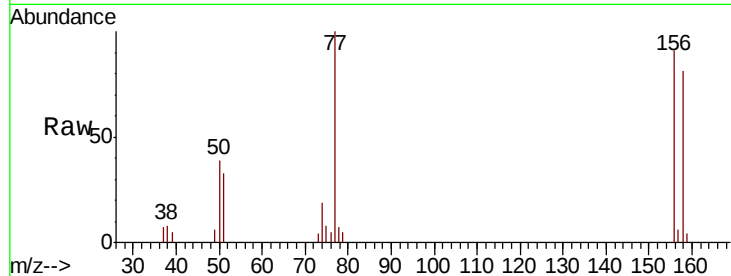
Tot Ion:156 Resp: 12247

Ion Ratio Lower Upper

156 100

77 109.5 71.2 213.6

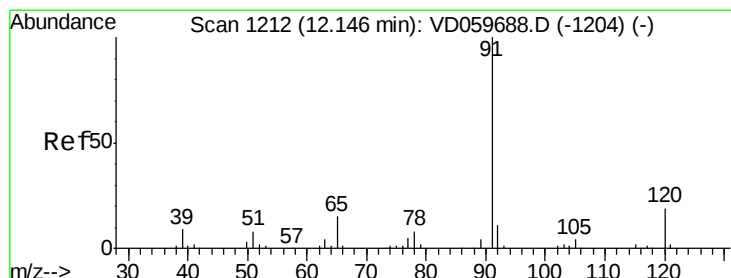
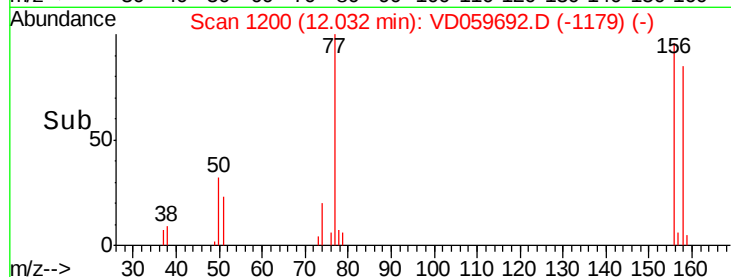
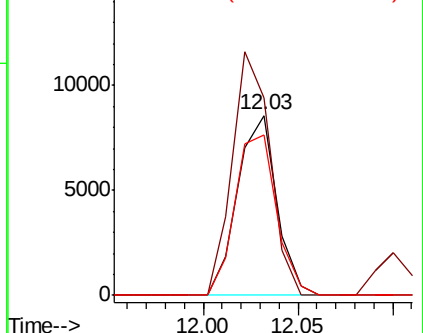
158 89.2 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.618 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059692.D

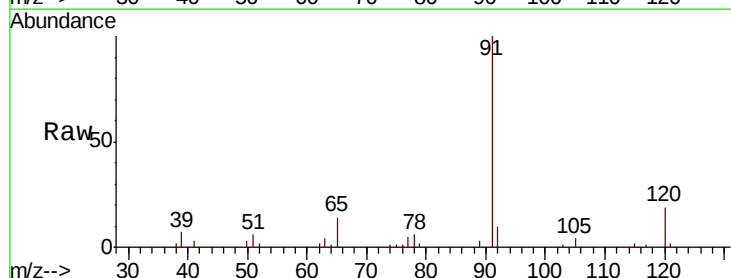
Acq: 6 Aug 2018 13:59

Tgt Ion: 91 Resp: 52273

Ion Ratio Lower Upper

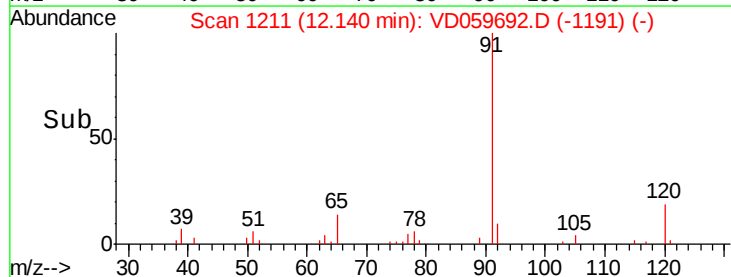
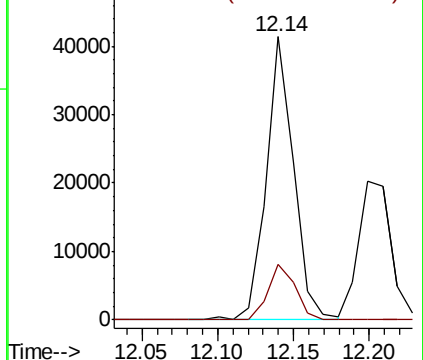
91 100

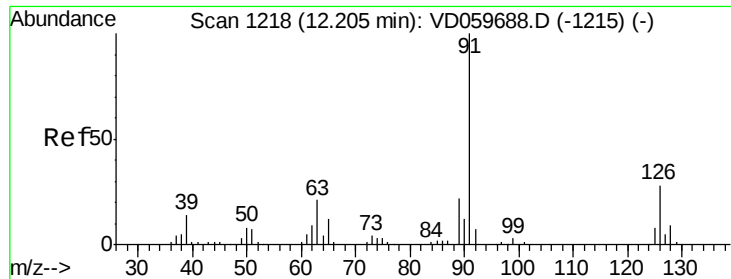
120 19.5 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

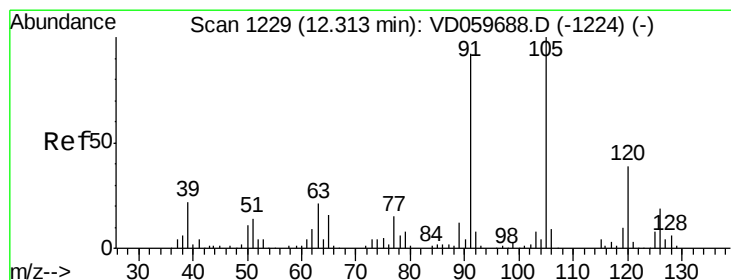
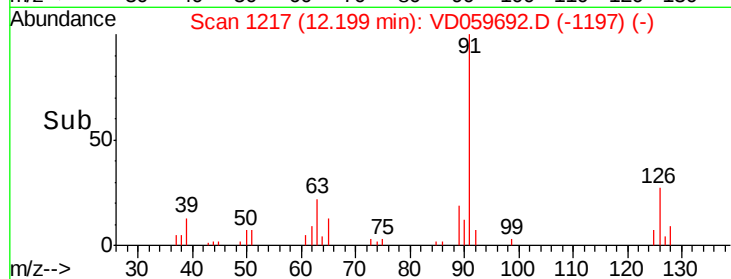
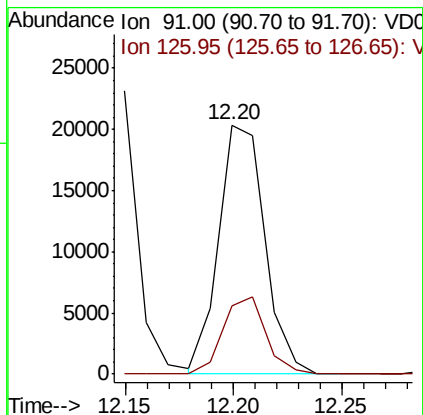
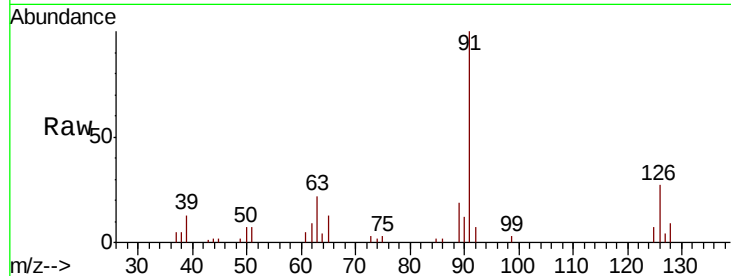




#79
 2-Chlorotoluene
 Concen: 5.392 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

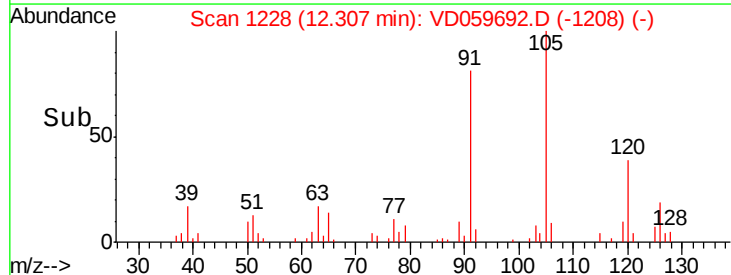
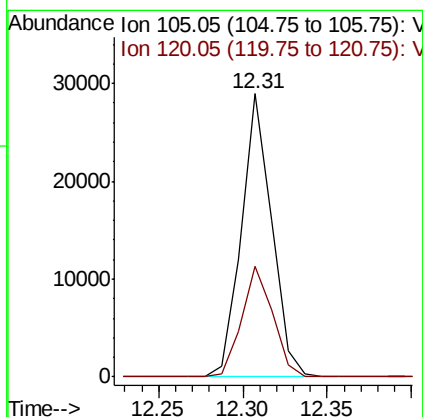
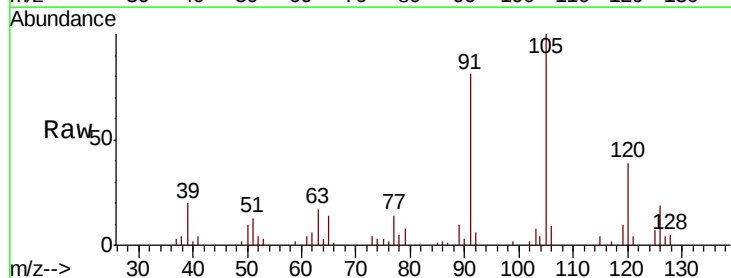
Instrument :
 MSVOA_D
 ClientSampleId :

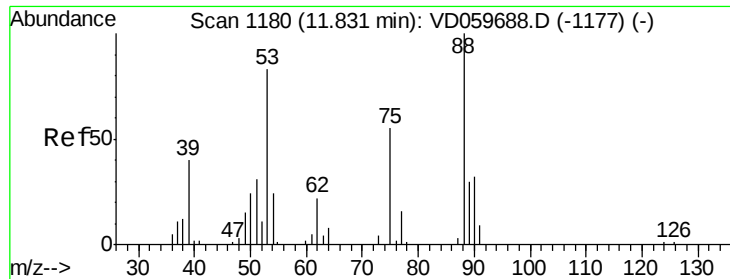
Tot Ion: 91 Resp: 30222
 Ion Ratio Lower Upper
 91 100
 126 27.2 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 5.828 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 105 Resp: 36034
 Ion Ratio Lower Upper
 105 100
 120 39.2 19.7 59.1





#81

trans-1,4-Dichloro-2-butene

Concen: 4.202 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampled :

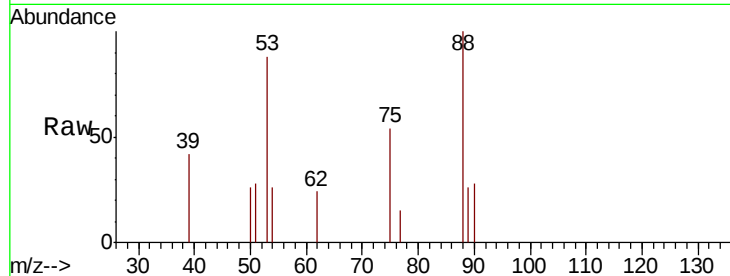
Tot Ion: 75 Resp: 1808

Ion Ratio Lower Upper

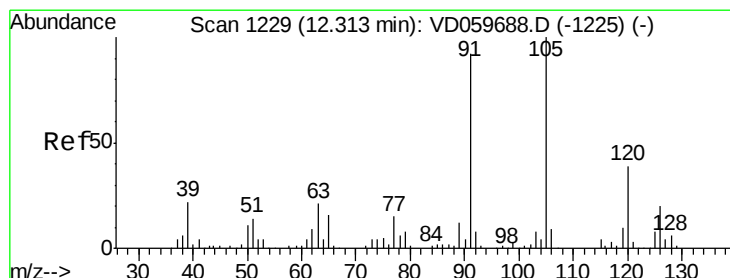
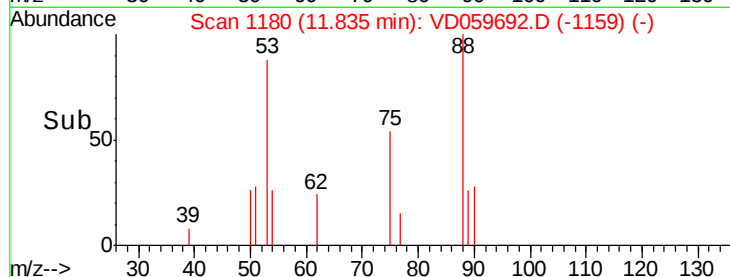
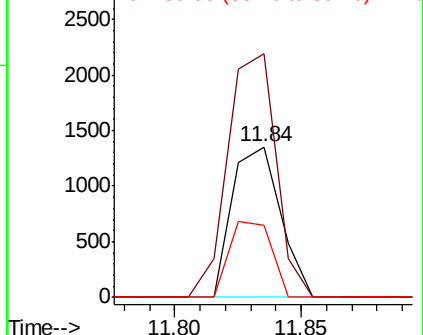
75 100

53 162.1 120.5 180.7

89 48.2 44.4 66.6



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: 5.831 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059692.D

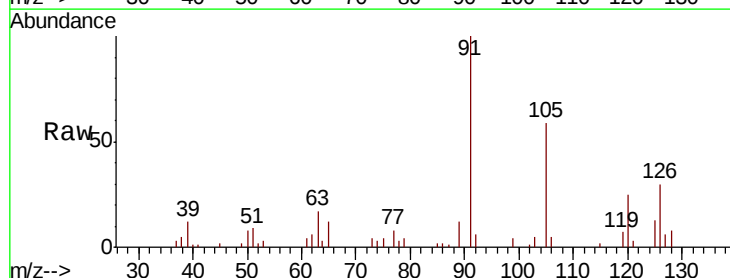
Acq: 6 Aug 2018 13:59

Tgt Ion: 91 Resp: 38207

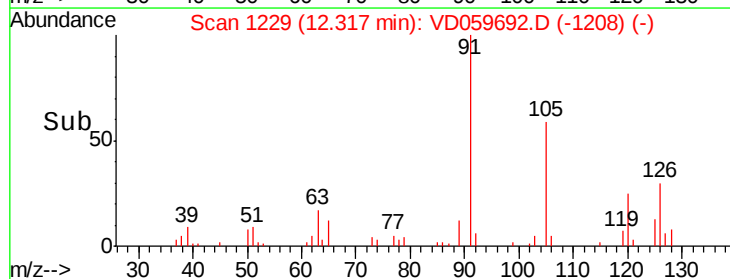
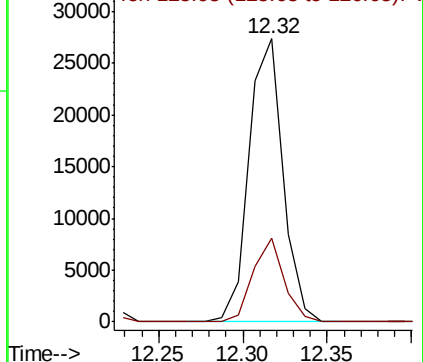
Ion Ratio Lower Upper

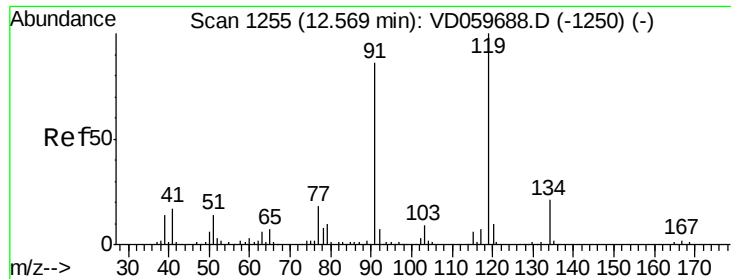
91 100

126 29.8 10.7 31.9



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

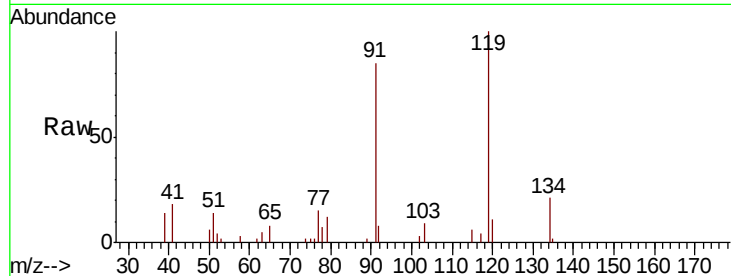




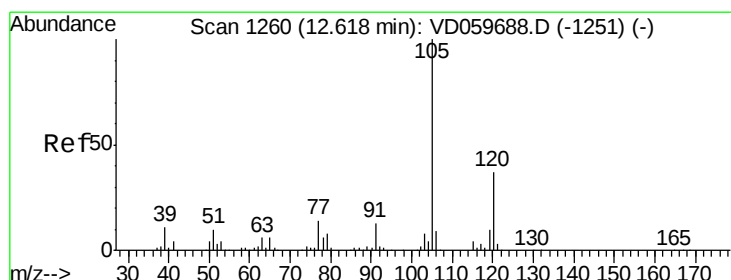
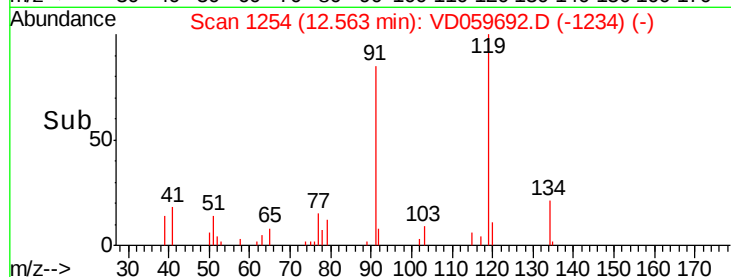
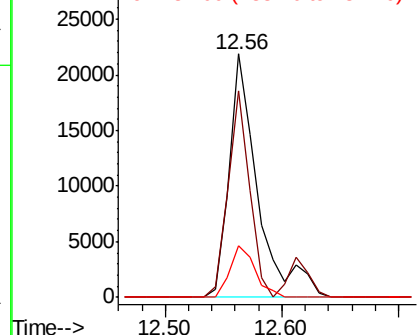
#83
tert-Butylbenzene
Concen: 5.324 ug/l
RT: 12.56 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 37194
Ion Ratio Lower Upper
119 100
91 84.7 43.3 129.9
134 21.3 10.5 31.6

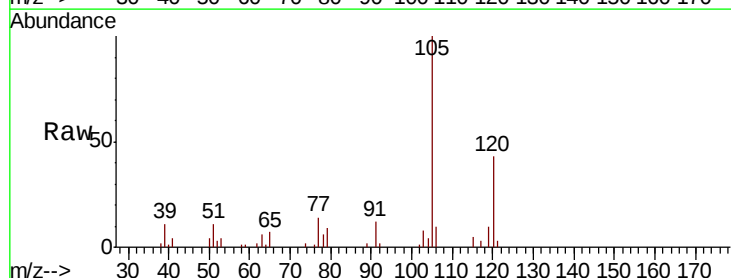


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

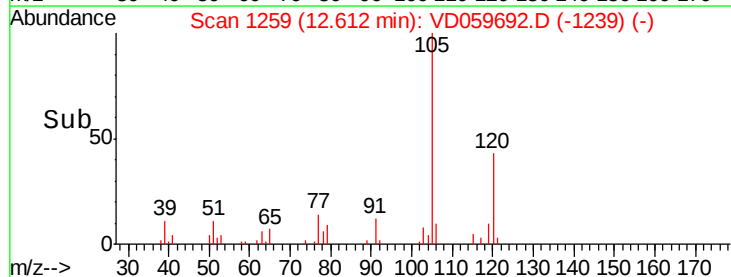
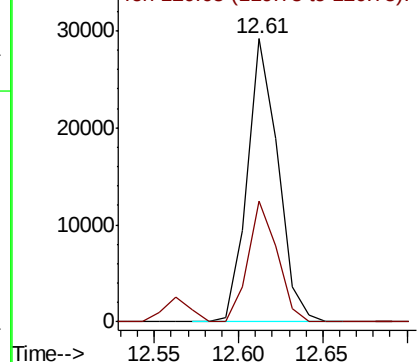


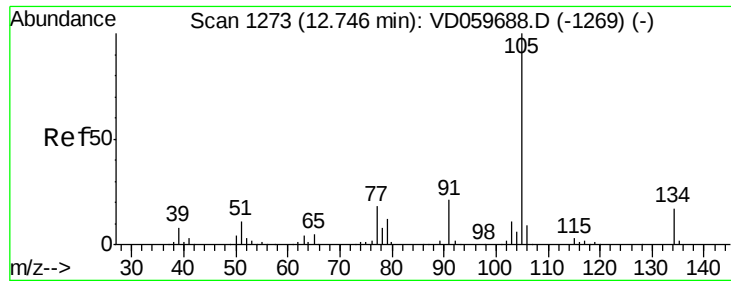
#84
1,2,4-Trimethylbenzene
Concen: 5.612 ug/l
RT: 12.61 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion:105 Resp: 36777
Ion Ratio Lower Upper
105 100
120 42.9 18.7 56.1



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





#85

sec-Butylbenzene

Concen: 5.675 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_D

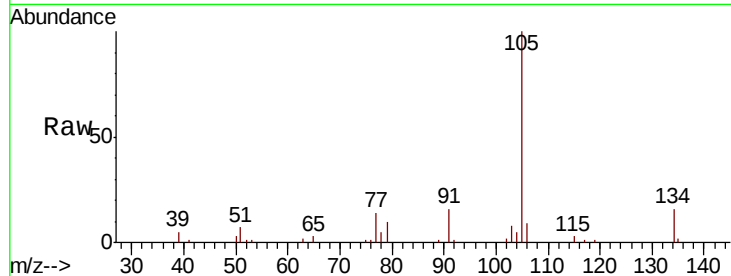
ClientSampleId :

Tot Ion:105 Resp: 43757

Ion Ratio Lower Upper

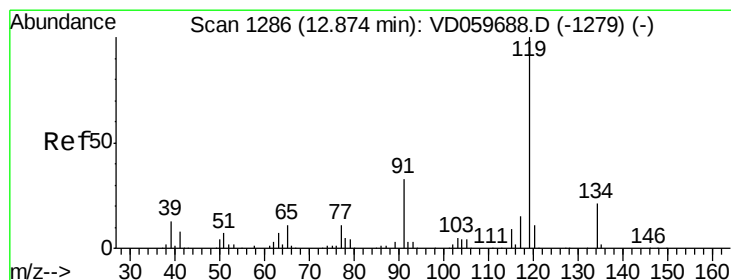
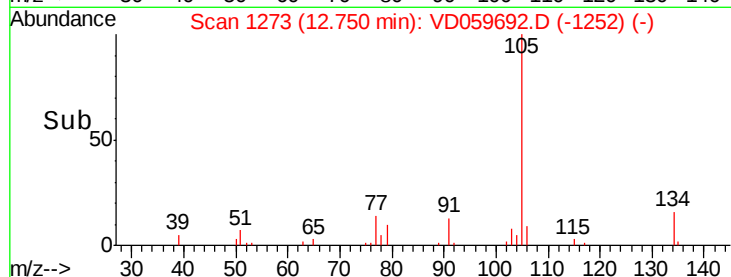
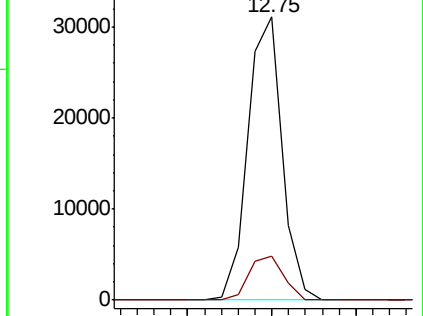
105 100

134 15.6 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 5.132 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059692.D

Acq: 6 Aug 2018 13:59

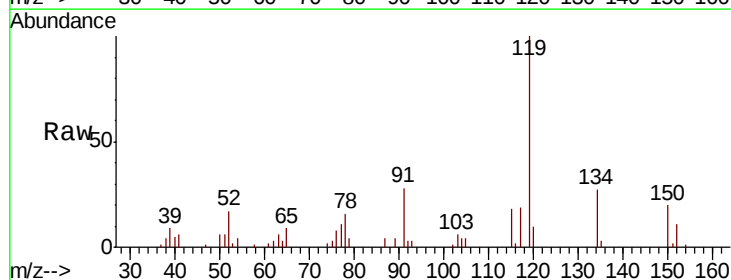
Tgt Ion:119 Resp: 34273

Ion Ratio Lower Upper

119 100

134 26.8 10.7 32.1

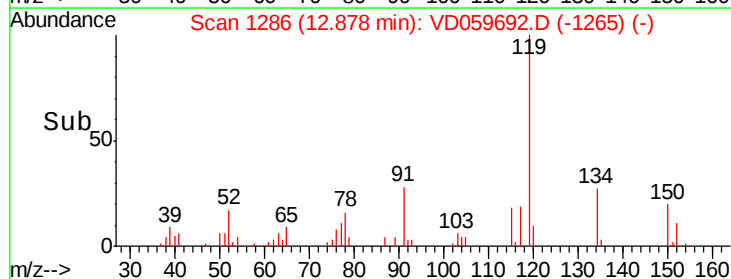
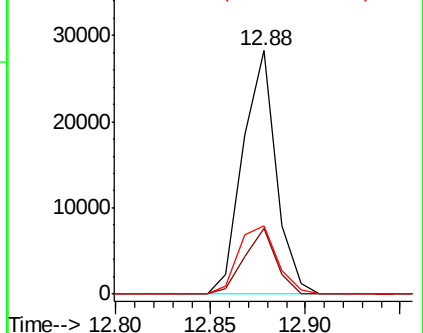
91 28.3 16.6 49.7

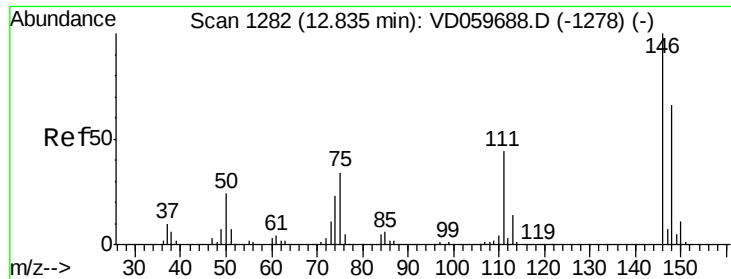


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

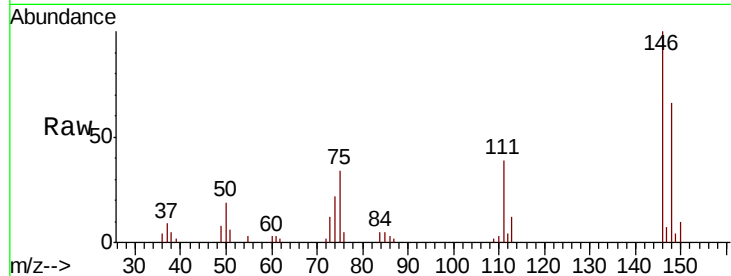




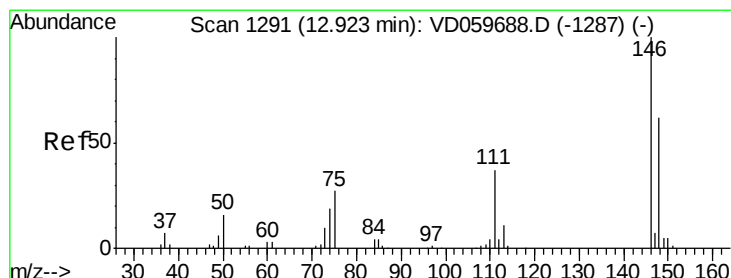
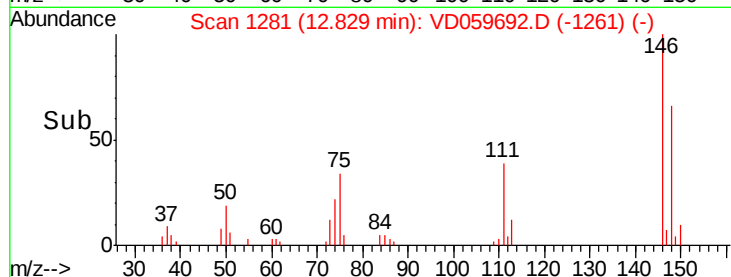
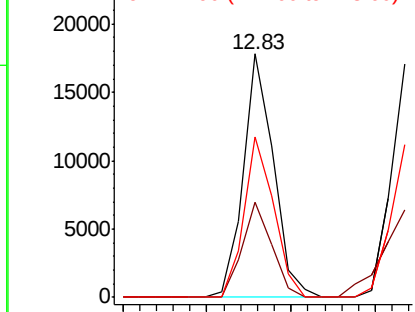
#87
 1,3-Dichlorobenzene
 Concen: 5.856 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 22137
 Ion Ratio Lower Upper
 146 100
 111 39.2 21.8 65.4
 148 65.9 33.1 99.2

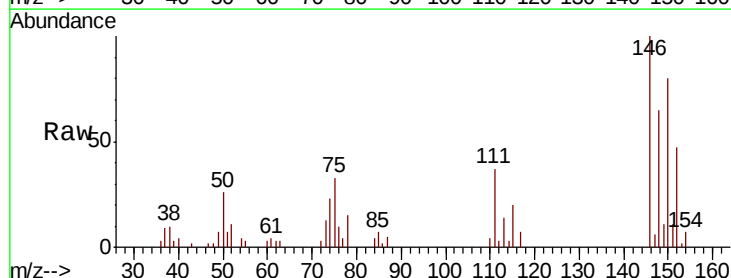


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

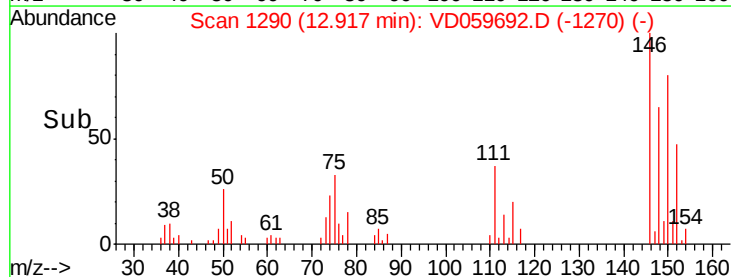
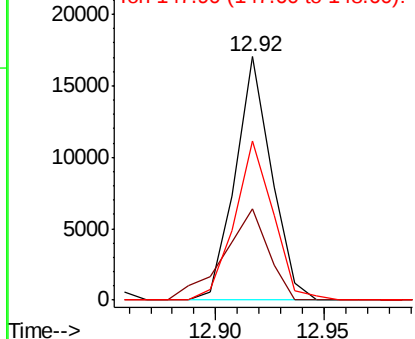


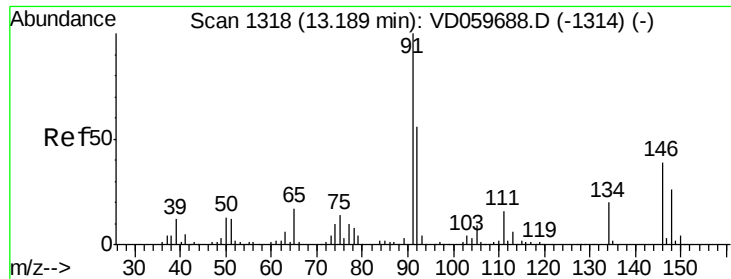
#88
 1,4-Dichlorobenzene
 Concen: 5.278 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion:146 Resp: 20035
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.8
 148 65.3 31.2 93.6



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

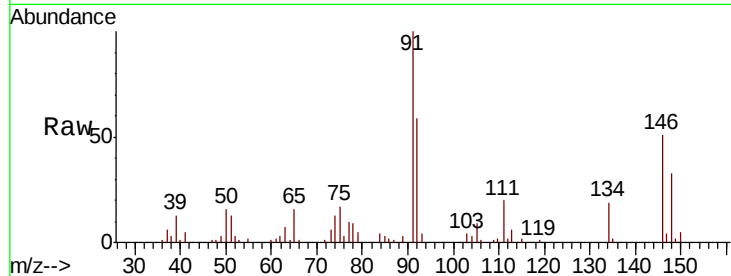




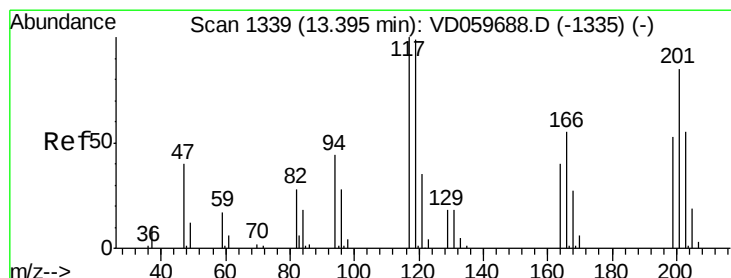
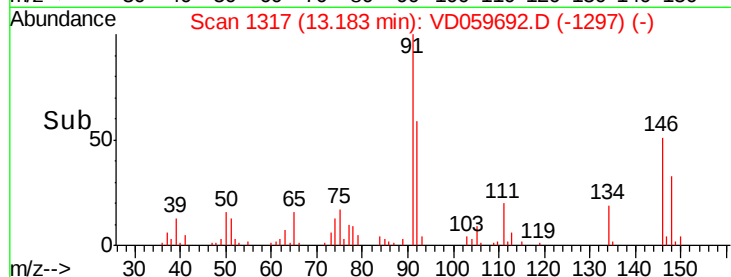
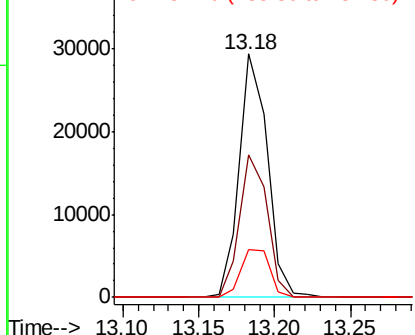
#89
n-Butylbenzene
Concen: 5.785 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 38106
Ion Ratio Lower Upper
91 100
92 58.5 28.2 84.6
134 19.4 9.8 29.5

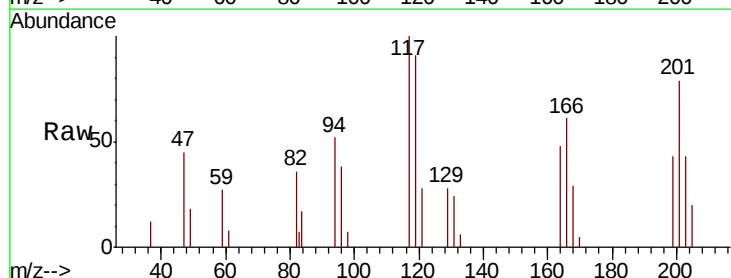


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

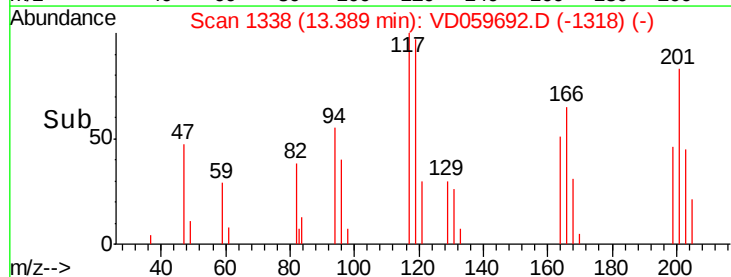
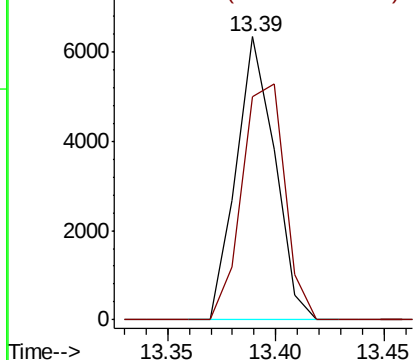


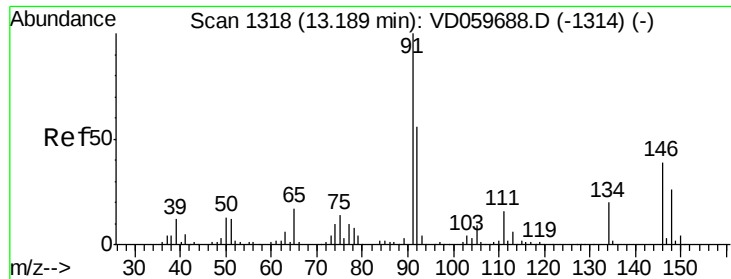
#90
Hexachloroethane
Concen: 4.533 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 117 Resp: 7905
Ion Ratio Lower Upper
117 100
201 78.8 42.4 127.1



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

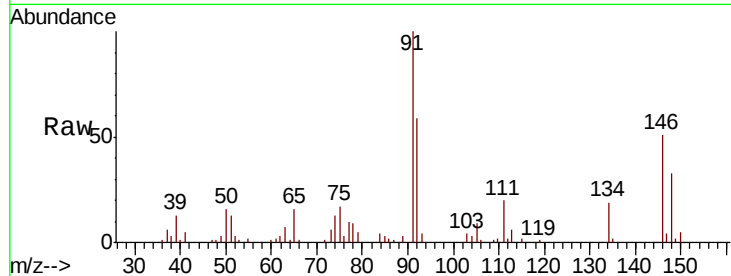




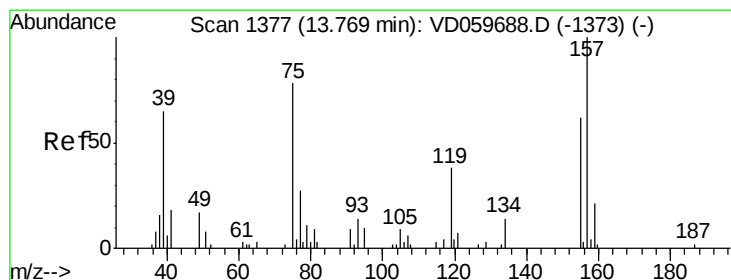
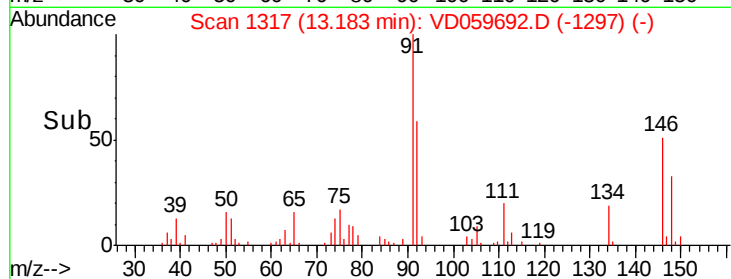
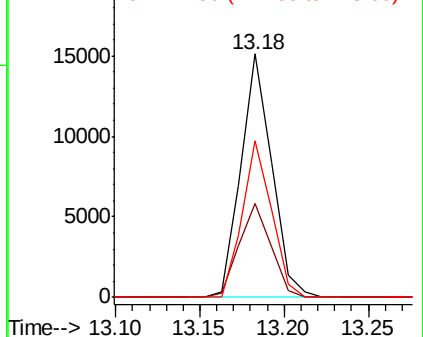
#91
 1,2-Dichlorobenzene
 Concen: 6.141 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 19143
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.8 62.2
 148 64.2 33.4 100.2

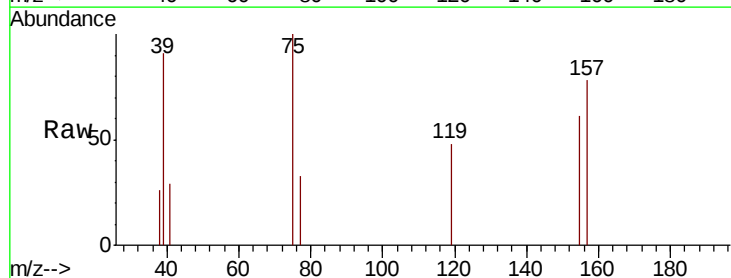


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

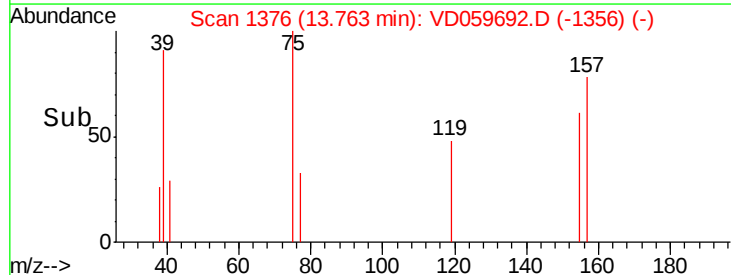
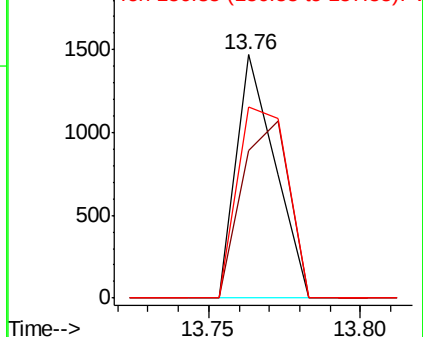


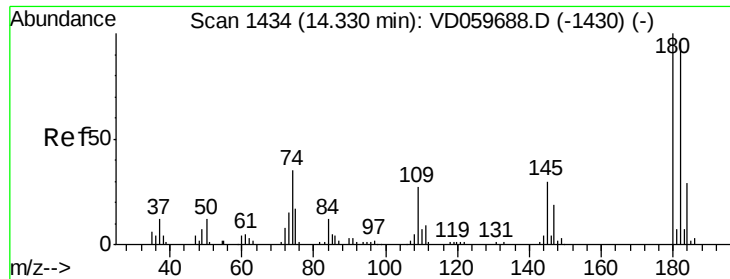
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.073 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 75 Resp: 1306
 Ion Ratio Lower Upper
 75 100
 155 60.6 40.0 119.9
 157 78.3 64.3 192.7



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

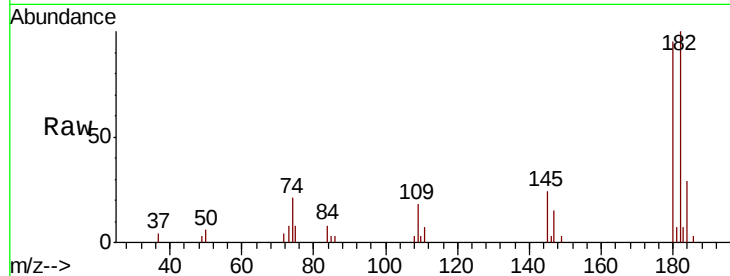




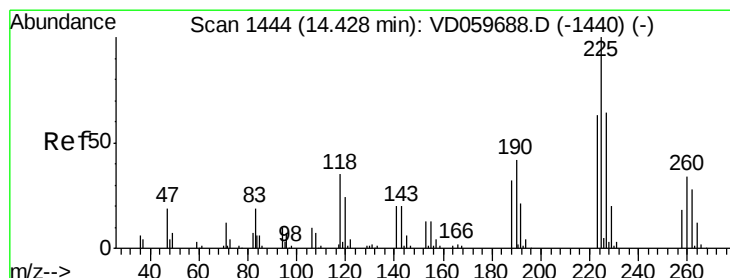
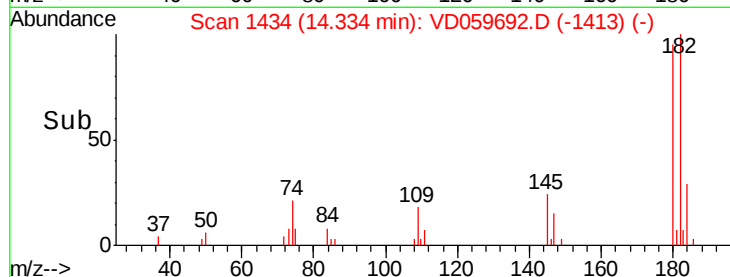
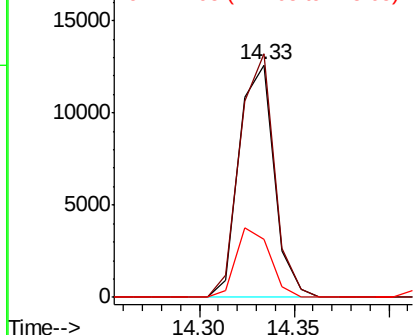
#93
 1,2,4-Trichlorobenzene
 Concen: 5.766 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 16147
 Ion Ratio Lower Upper
 180 100
 182 104.9 48.0 144.0
 145 24.8 14.8 44.4

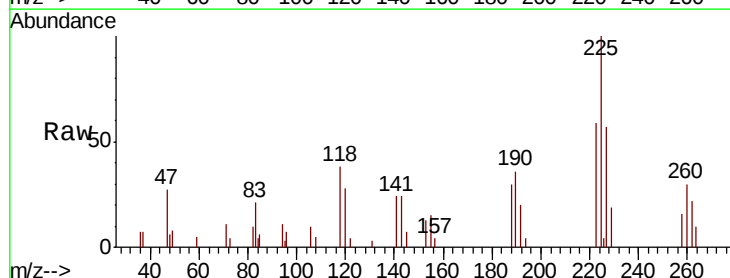


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

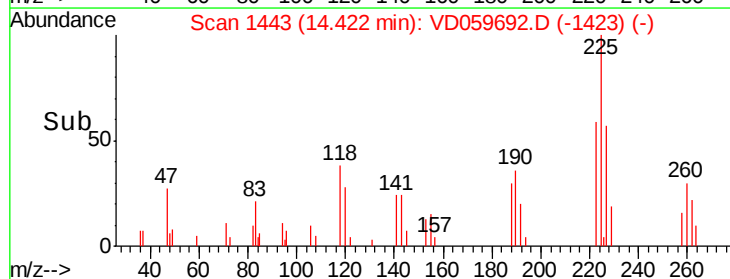
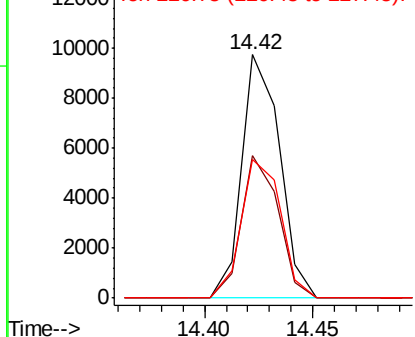


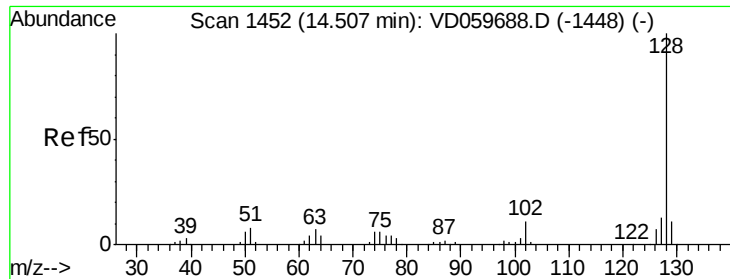
#94
 Hexachlorobutadiene
 Concen: 5.471 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059692.D
 Acq: 6 Aug 2018 13:59

Tgt Ion:225 Resp: 11957
 Ion Ratio Lower Upper
 225 100
 223 58.6 31.4 94.3
 227 57.0 32.1 96.3



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

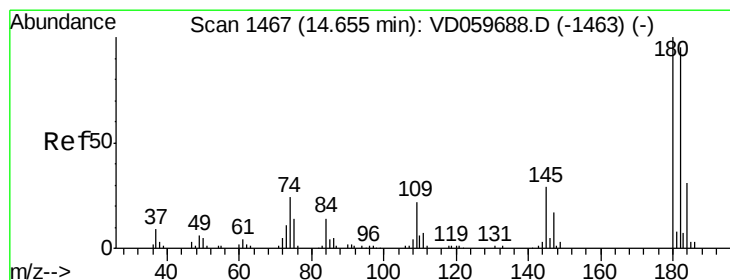
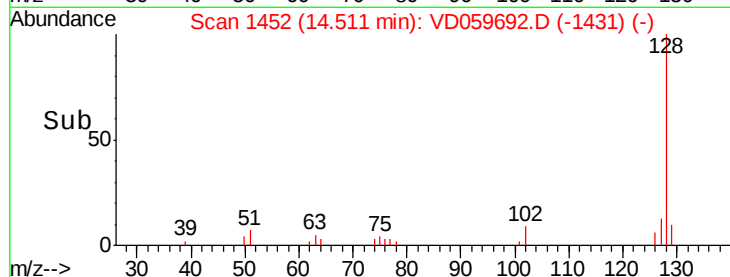
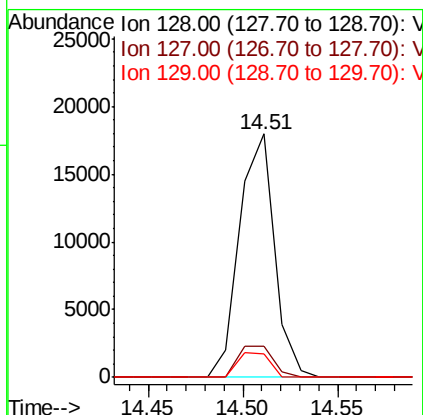
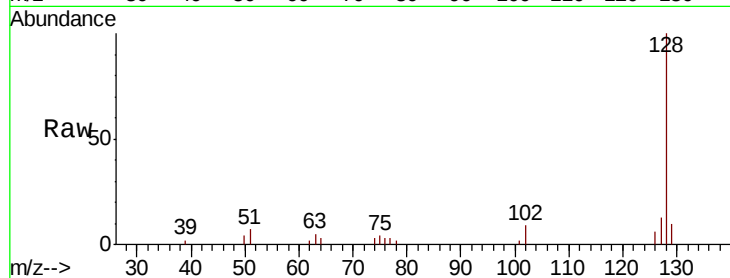




#95
Naphthalene
Concen: 5.476 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 22944
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 9.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.303 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059692.D
Acq: 6 Aug 2018 13:59

Tgt Ion:180 Resp: 13270
Ion Ratio Lower Upper
180 100
182 88.5 47.5 142.5
145 32.3 14.5 43.5

