

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060366.D
 Acq On : 13 Nov 2018 17:52
 Operator : JC/SY
 Sample : J5889-08MS
 Misc : 7.52g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 11:13:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	17302	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	28256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	35064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	20496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	18269	147.47	ug/l	0.00
Spiked Amount			Recovery	=	294.94%	
35) Dibromofluoromethane	6.33	113	16661	79.07	ug/l	0.00
Spiked Amount			Recovery	=	158.14%	
50) Toluene-d8	9.46	98	37954	61.55	ug/l	0.00
Spiked Amount			Recovery	=	123.10%	
62) 4-Bromofluorobenzene	12.43	95	18038	80.72	ug/l	0.00
Spiked Amount			Recovery	=	161.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	5708	41.258	ug/l	82
3) Chloromethane	1.76	50	10232	62.432	ug/l	99
4) Vinyl Chloride	1.87	62	5225	39.038	ug/l	99
5) Bromomethane	2.18	94	6771	213.230	ug/l	90
6) Chloroethane	2.28	64	3598	81.018	ug/l	92
7) Trichlorofluoromethane	2.52	101	7300	46.261	ug/l	97
8) Diethyl Ether	2.83	74	4421	154.744	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.10	101	4092	39.426	ug/l #	91
10) Methyl Iodide	3.26	142	8890	65.949	ug/l	91
11) Tert butyl alcohol	3.96	59	13608	2674.966	ug/l #	70
12) 1,1-Dichloroethene	3.08	96	4442	52.616	ug/l #	91
13) Acrolein	2.98	56	9417	1566.617	ug/l #	78
14) Allyl chloride	3.53	41	15956	98.778	ug/l #	93
15) Acrylonitrile	4.09	53	74532	2512.402	ug/l	95
16) Acetone	3.16	43	63843	2970.935	ug/l	97
17) Carbon Disulfide	3.33	76	11993	44.011	ug/l	98
18) Methyl Acetate	3.55	43	25787	562.789	ug/l #	91
19) Methyl tert-butyl Ether	4.12	73	43642	172.640	ug/l	93
20) Methylene Chloride	3.73	84	22245	116.694	ug/l	89
21) trans-1,2-Dichloroethene	4.11	96	9586	51.139	ug/l #	80
22) Diisopropyl ether	4.85	45	62615	103.754	ug/l #	73
23) Vinyl Acetate	4.80	43	201034	669.467	ug/l	96
24) 1,1-Dichloroethane	4.75	63	22549	72.863	ug/l #	95
25) 2-Butanone	5.62	43	111552	2497.435	ug/l	98
26) 2,2-Dichloropropane	5.59	77	10531	43.770	ug/l	96
27) cis-1,2-Dichloroethene	5.59	96	13303	68.123	ug/l	88
28) Bromochloromethane	5.93	49	17198	125.948	ug/l	96
29) Tetrahydrofuran	5.96	42	60853	2584.048	ug/l	97
30) Chloroform	6.10	83	24802	80.167	ug/l	96
31) Cyclohexane	6.38	56	10041	33.947	ug/l #	81
32) 1,1,1-Trichloroethane	6.29	97	11603	44.523	ug/l	96
36) 1,1-Dichloropropene	6.53	75	10156	36.381	ug/l	93
37) Ethyl Acetate	5.70	43	43172	336.082	ug/l #	94
38) Carbon Tetrachloride	6.50	117	8583	33.145	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	7936	24.717	ug/l	93
40) Benzene	6.80	78	42192	59.210	ug/l	97
41) Methacrylonitrile	5.95	41	56304	382.955	ug/l #	93
42) 1,2-Dichloroethane	6.89	62	21270	114.040	ug/l	93
43) Isopropyl Acetate	8.35	43	45945	284.740	ug/l #	93
44) Trichloroethene	7.75	130	9046	41.878	ug/l	99
45) 1,2-Dichloropropane	8.10	63	13224	73.583	ug/l	93
46) Dibromomethane	8.22	93	14598	138.691	ug/l #	84
47) Bromodichloromethane	8.49	83	18122	73.063	ug/l #	98
48) Methyl methacrylate	8.25	41	24271	247.632	ug/l	93
49) 1,4-Dioxane	8.23	88	7298	8605.810	ug/l #	89
51) 4-Methyl-2-Pentanone	9.34	43	185141	1762.885	ug/l	100
52) Toluene	9.55	92	26499	58.216	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	18654	89.012	ug/l	90
54) cis-1,3-Dichloropropene	9.10	75	20402	75.903	ug/l	88
55) 1,1,2-Trichloroethane	10.19	97	18566	140.727	ug/l	93
56) Ethyl methacrylate	10.04	69	16961	139.824	ug/l	93
57) 1,3-Dichloropropane	10.38	76	27768	138.128	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	65249	889.614	ug/l	93
59) 2-Hexanone	10.49	43	149143	1992.483	ug/l	99
60) Dibromochloromethane	10.64	129	18163	113.255	ug/l	97
61) 1,2-Dibromoethane	10.76	107	20554	155.493	ug/l	97
64) Tetrachloroethene	10.26	164	10558	33.728	ug/l	94
65) Chlorobenzene	11.32	112	32076	42.220	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	13238	53.255	ug/l	95
67) Ethyl Benzene	11.43	91	43716	33.637	ug/l	92
68) m/p-Xylenes	11.57	106	31596	65.905	ug/l	100
69) o-Xylene	11.94	106	15612	33.708	ug/l	94
70) Styrene	11.96	104	28921	38.638	ug/l #	92
71) Bromoform	12.12	173	16908	101.222	ug/l #	85
73) Isopropylbenzene	12.28	105	37081	24.832	ug/l	99
74) N-amyl acetate	12.14	43	36834	96.211	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	35966	147.270	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	33898	138.257	ug/l	99
77) Bromobenzene	12.54	156	19243	48.513	ug/l	91
78) n-propylbenzene	12.64	91	48448	25.993	ug/l	95
79) 2-Chlorotoluene	12.71	91	34193	33.495	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	32179	27.728	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	6499	93.106	ug/l #	80
82) 4-Chlorotoluene	12.81	91	41969	36.599	ug/l	90
83) tert-Butylbenzene	13.05	119	34134	26.493	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	34839	30.059	ug/l	94
85) sec-Butylbenzene	13.23	105	33723	21.334	ug/l	94
86) p-Isopropyltoluene	13.35	119	29318	23.031	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	27675	39.216	ug/l	93
88) 1,4-Dichlorobenzene	13.40	146	30007	43.538	ug/l	97
89) n-Butylbenzene	13.65	91	27159	19.325	ug/l	99
90) Hexachloroethane	13.86	117	6559	21.729	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	32185	55.525	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	4786	162.348	ug/l	95

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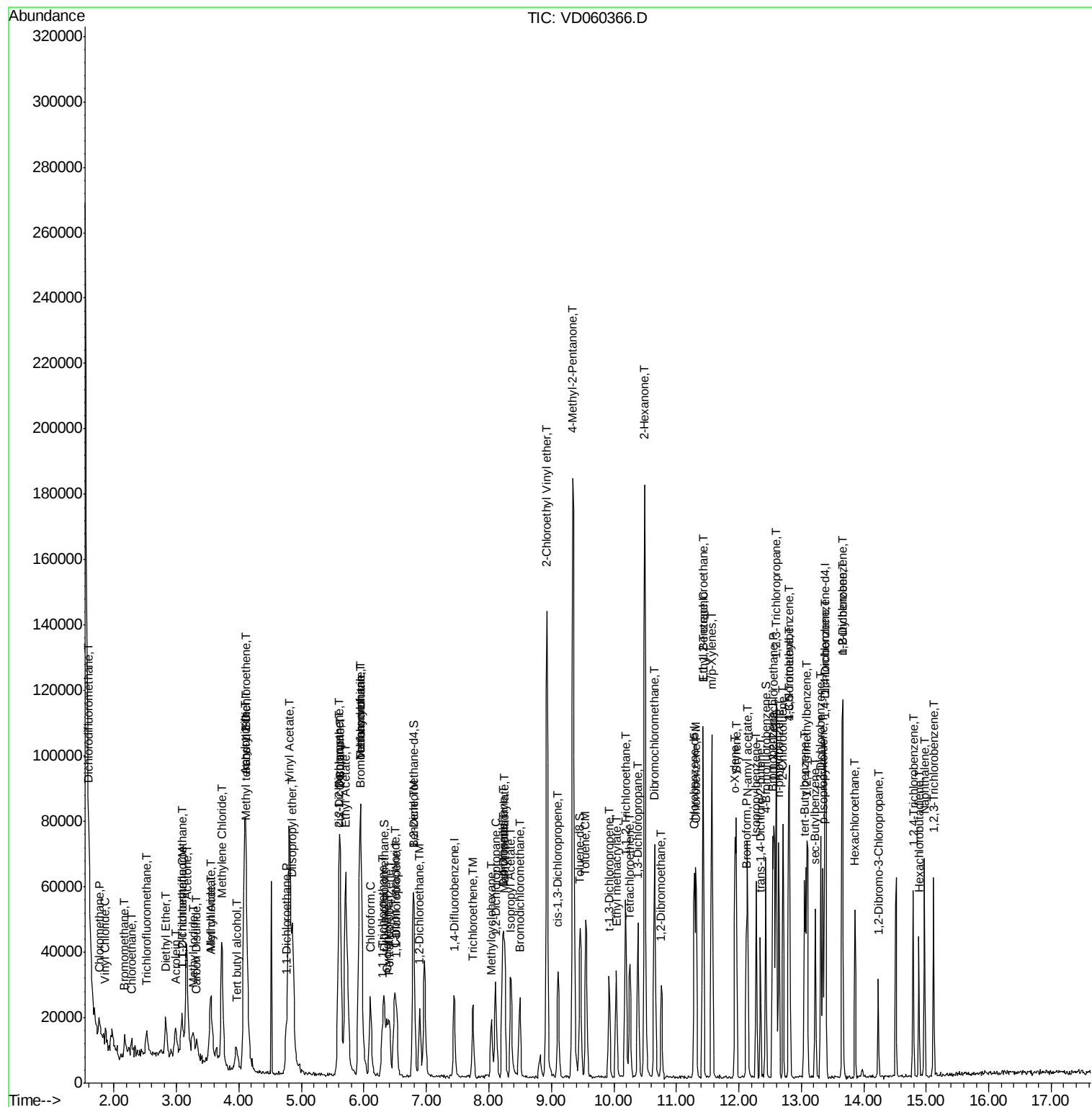
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	17543	38.172	ug/l	96
94) Hexachlorobutadiene	14.88	225	7263	21.128	ug/l	91
95) Naphthalene	14.97	128	38032	67.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	15942	43.288	ug/l	90

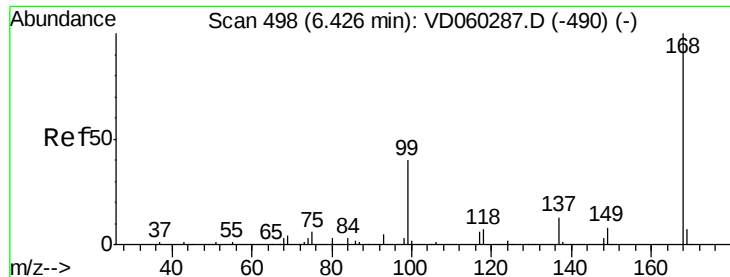
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

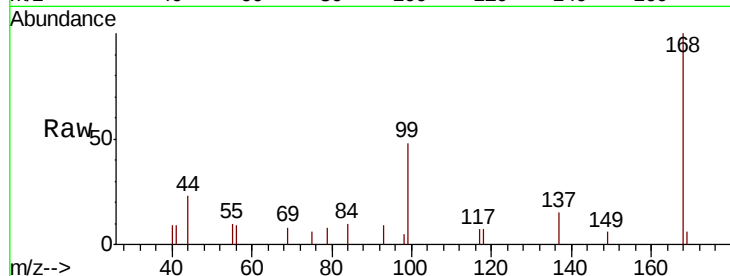
ClientSampleId :

Tot Ion:168 Resp: 17302

Ion Ratio Lower Upper

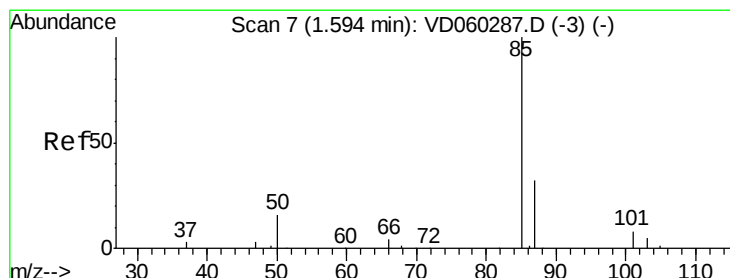
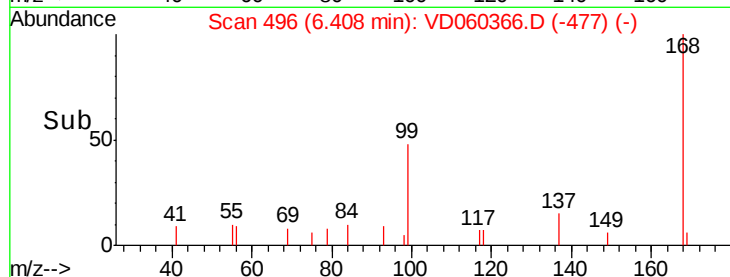
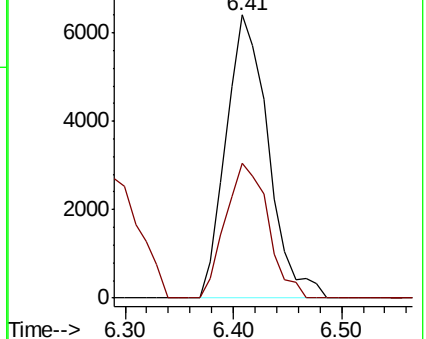
168 100

99 47.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 41.258 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060366.D

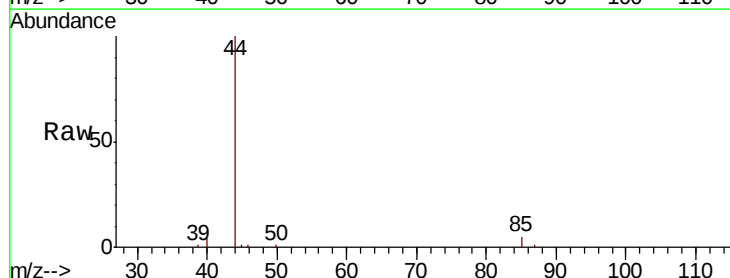
Acq: 13 Nov 2018 17:52

Tgt Ion: 85 Resp: 5708

Ion Ratio Lower Upper

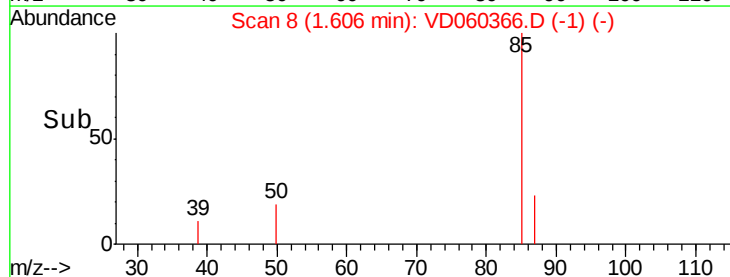
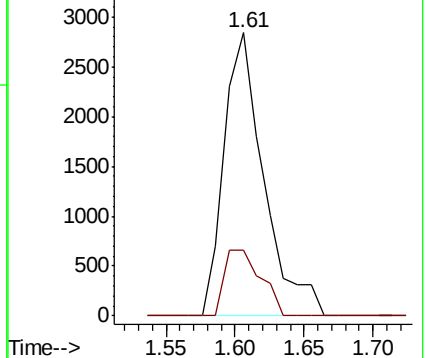
85 100

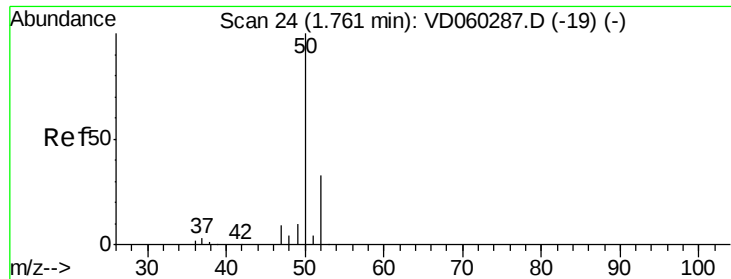
87 23.3 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 62.432 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

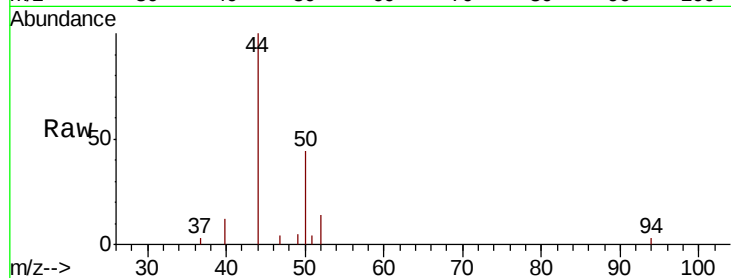
ClientSampleId :

Tot Ion: 50 Resp: 10232

Ion Ratio Lower Upper

50 100

52 32.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

5000

4000

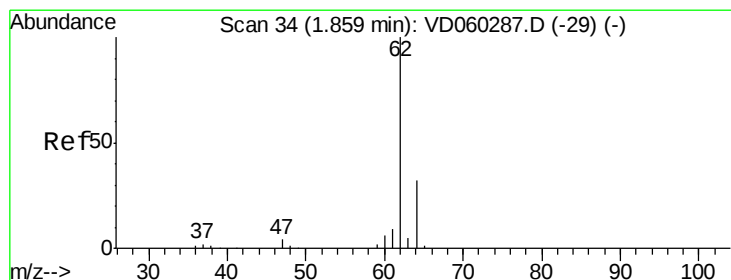
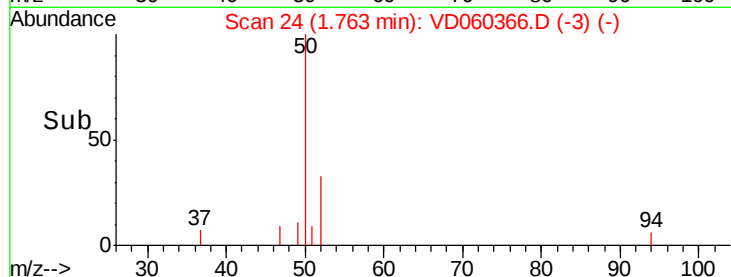
3000

2000

1000

0

Time-->



#4

Vinyl Chloride

Concen: 39.038 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060366.D

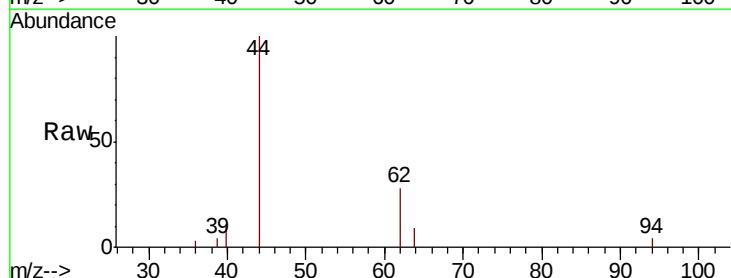
Acq: 13 Nov 2018 17:52

Tgt Ion: 62 Resp: 5225

Ion Ratio Lower Upper

62 100

64 30.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

3000

2500

2000

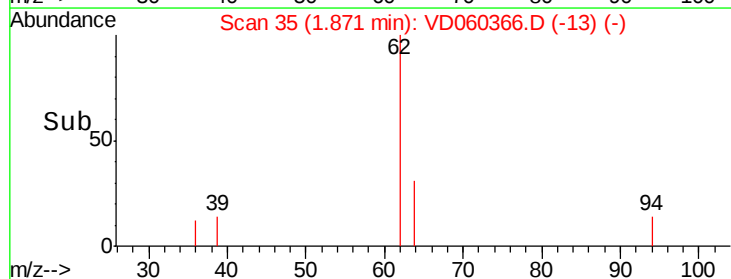
1500

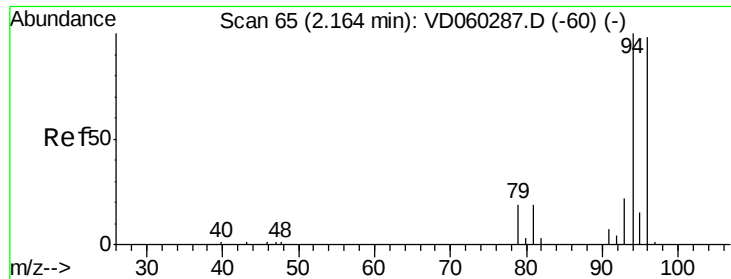
1000

500

0

Time-->

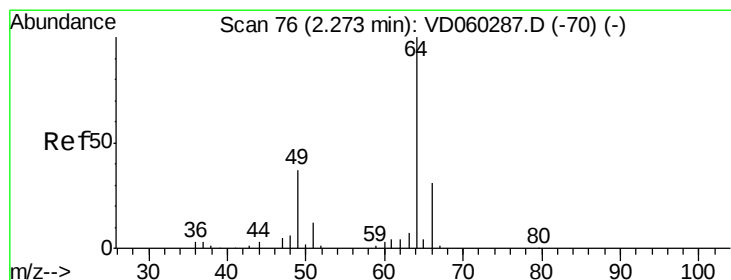
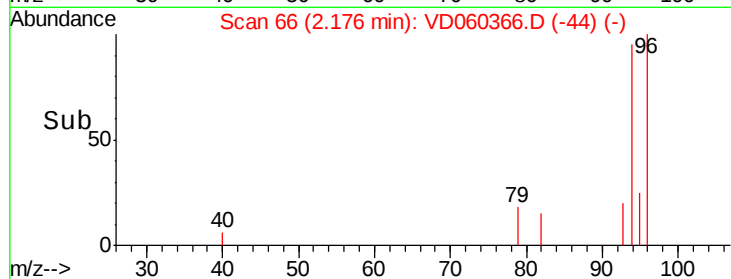
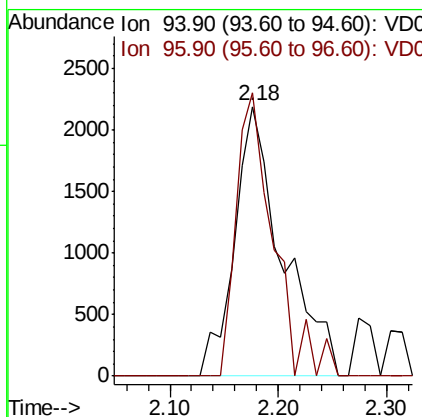
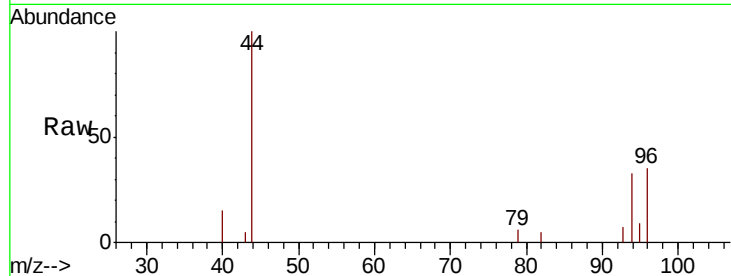




#5
Bromomethane
Concen: 213.230 ug/l
RT: 2.18 min Scan# 66
Delta R.T. 0.01 min
Lab File: VD060366.D
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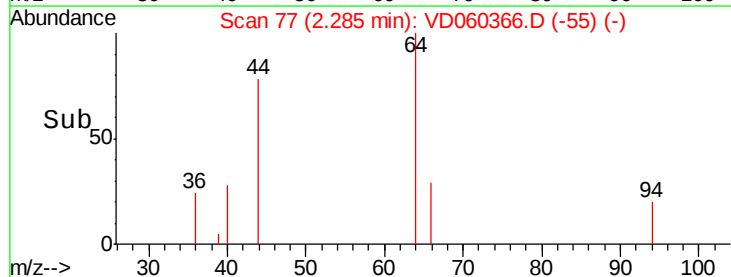
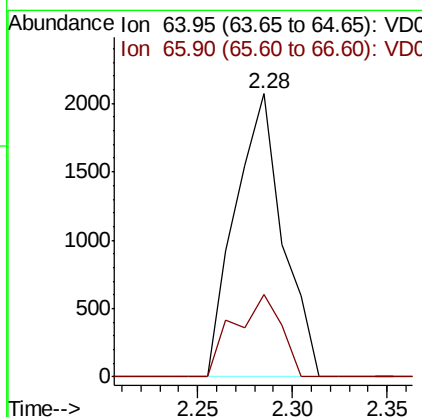
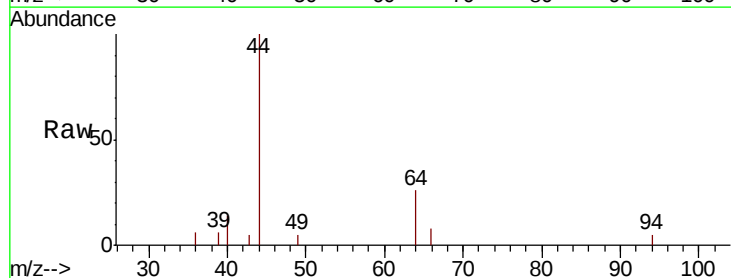
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 6771
Ion Ratio Lower Upper
94 100
96 105.0 76.6 114.8



#6
Chloroethane
Concen: 81.018 ug/l
RT: 2.28 min Scan# 77
Delta R.T. 0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 64 Resp: 3598
Ion Ratio Lower Upper
64 100
66 29.0 26.6 40.0



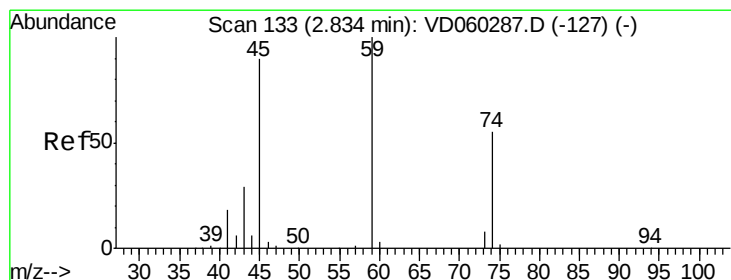
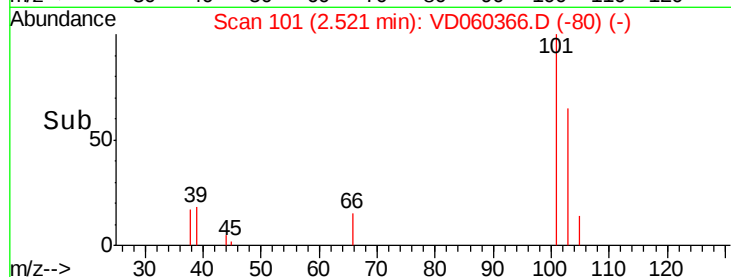
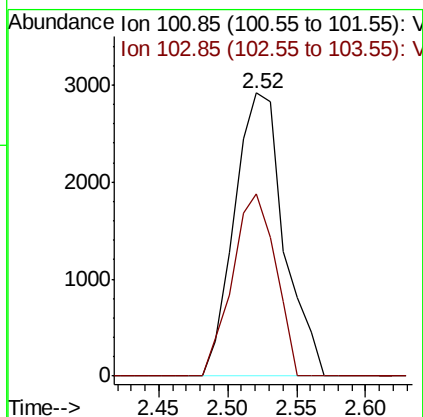
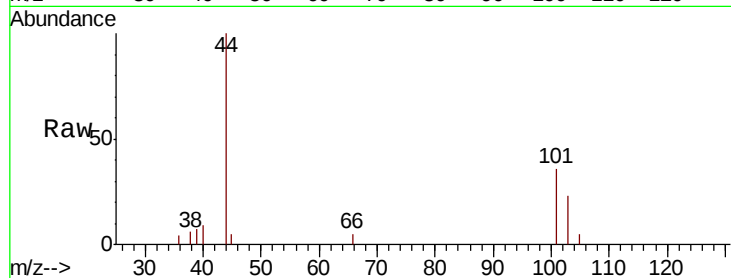


#7

Trichlorofluoromethane
Concen: 46.261 ug/l
RT: 2.52 min Scan# 101
Delta R.T. 0.00 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampleId :

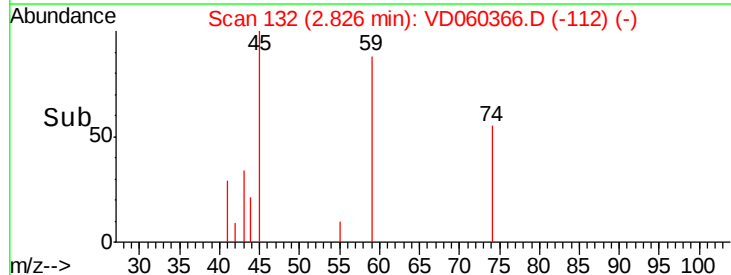
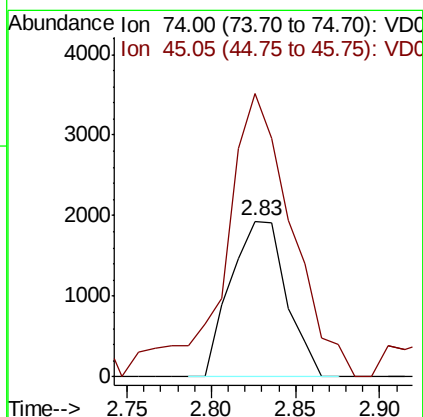
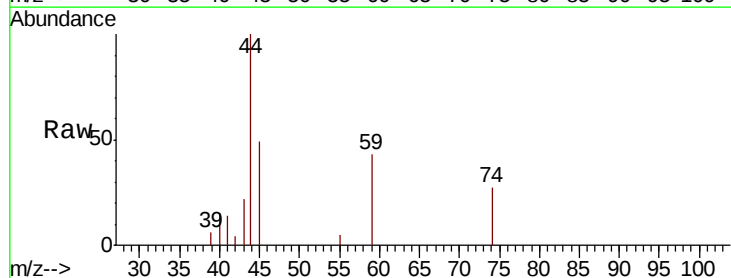
Tot Ion:101 Resp: 7300
Ion Ratio Lower Upper
101 100
103 64.5 53.6 80.4



#8

Diethyl Ether
Concen: 154.744 ug/l
RT: 2.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 74 Resp: 4421
Ion Ratio Lower Upper
74 100
45 182.1 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.426 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

ClientSampleId :

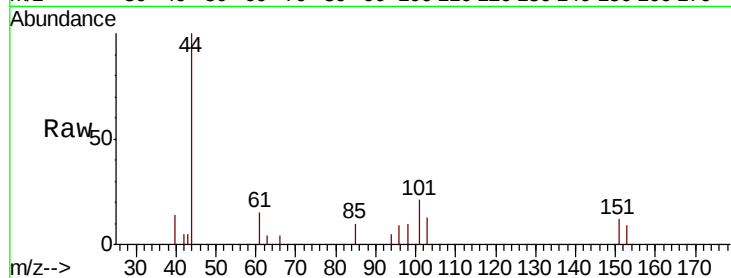
Tot Ion:101 Resp: 4092

Ion Ratio Lower Upper

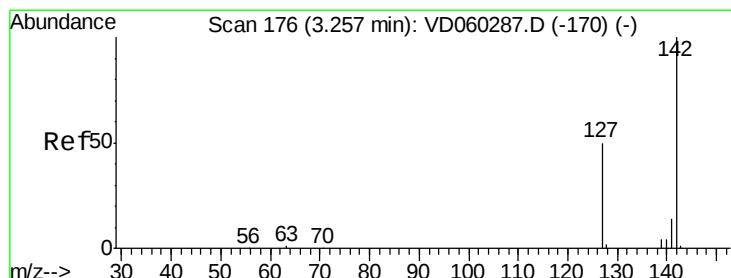
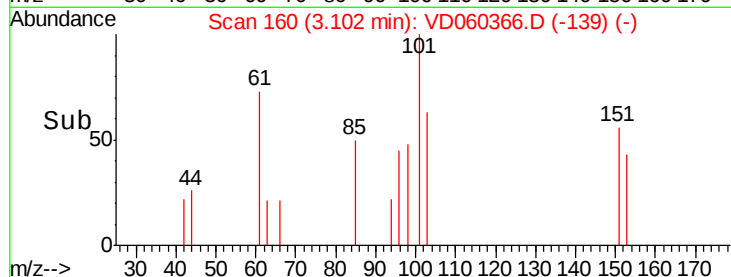
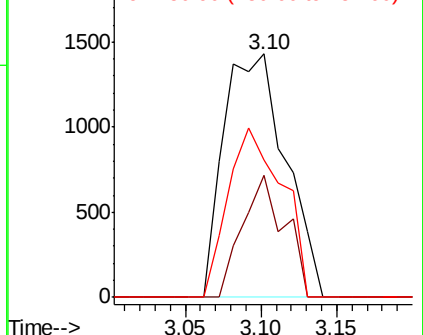
101 100

85 50.0 31.4 47.0#

151 56.3 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 65.949 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

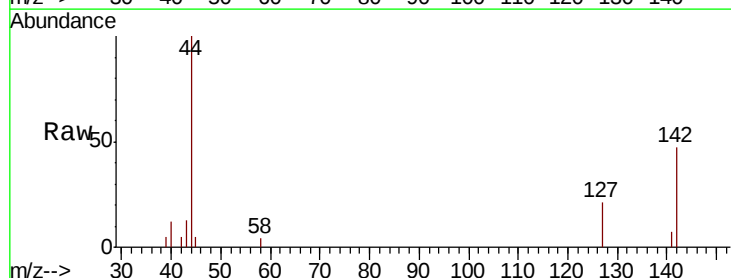
Tgt Ion:142 Resp: 8890

Ion Ratio Lower Upper

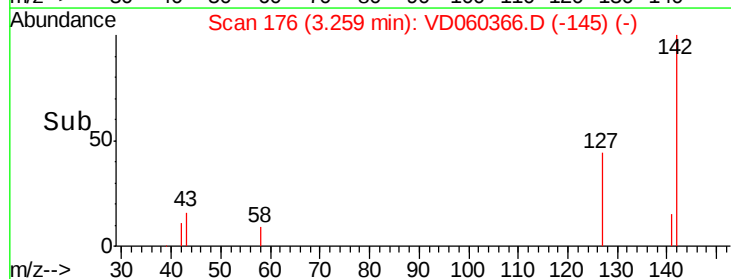
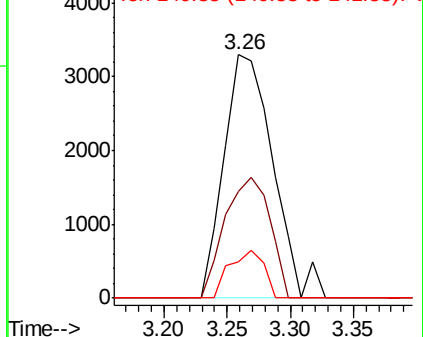
142 100

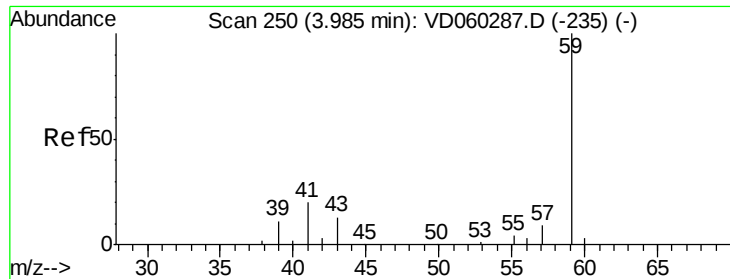
127 43.6 41.0 61.6

141 14.7 11.9 17.9



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

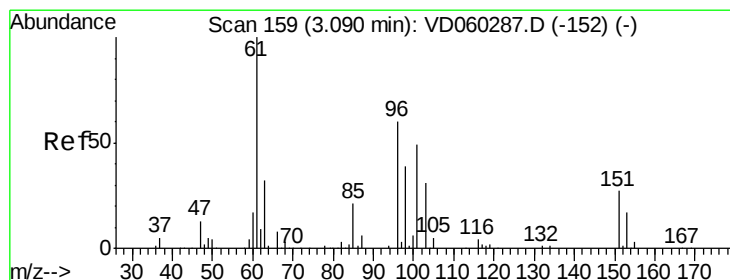
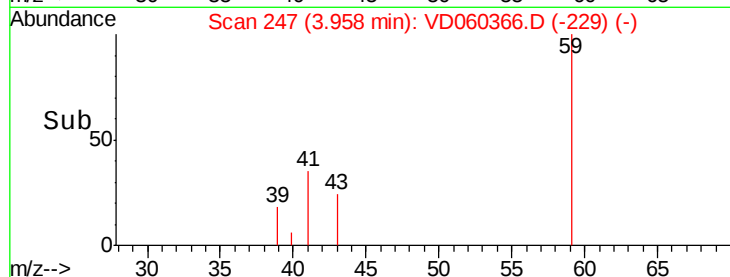
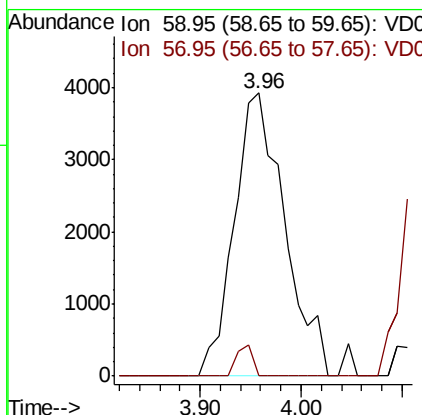
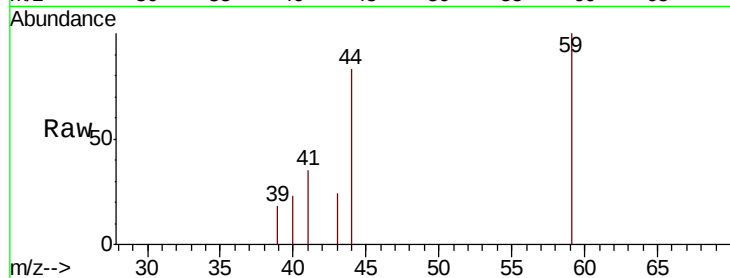




#11
Tert butyl alcohol
Concen: 2674.966 ug/l
RT: 3.96 min Scan# 247
Delta R.T. -0.03 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

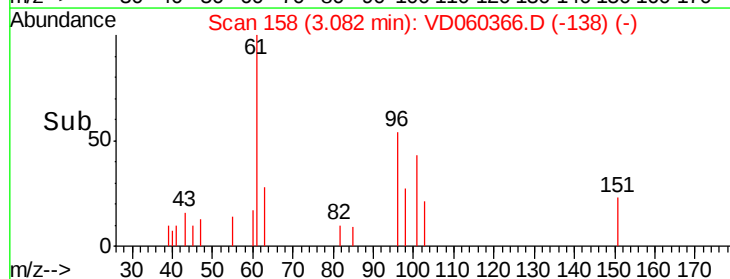
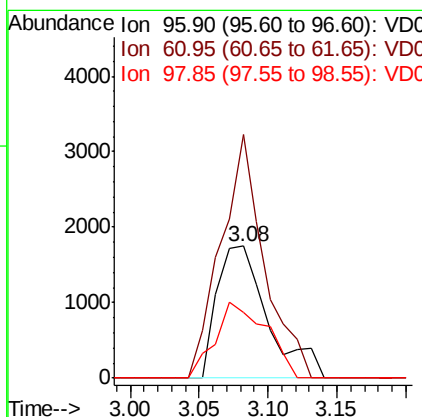
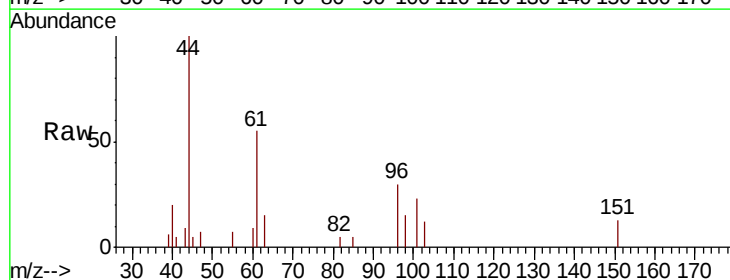
Instrument :
MSVOA_D
ClientSampleId :

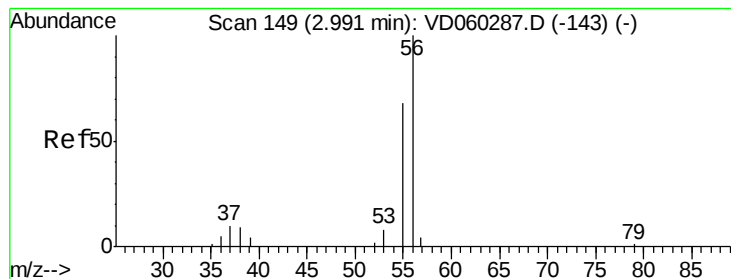
Tot Ion: 59 Resp: 13608
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 52.616 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 96 Resp: 4442
Ion Ratio Lower Upper
96 100
61 184.8 142.2 213.4
98 50.3 52.6 79.0#





#13

Acrolein

Concen: 1566.617 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

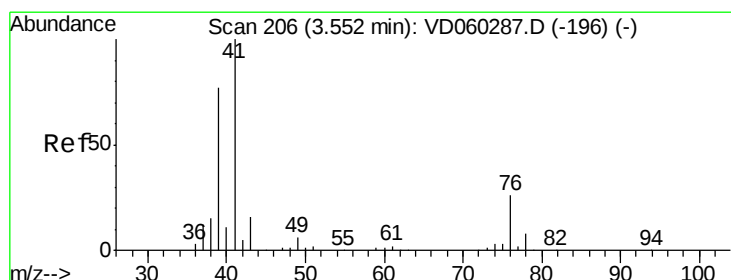
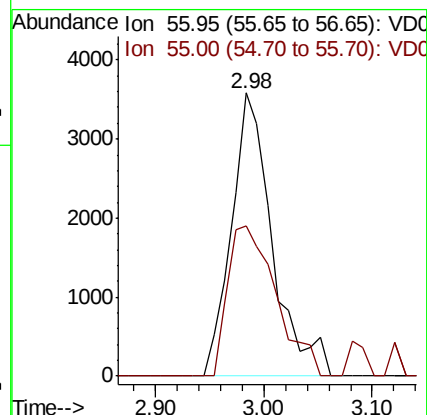
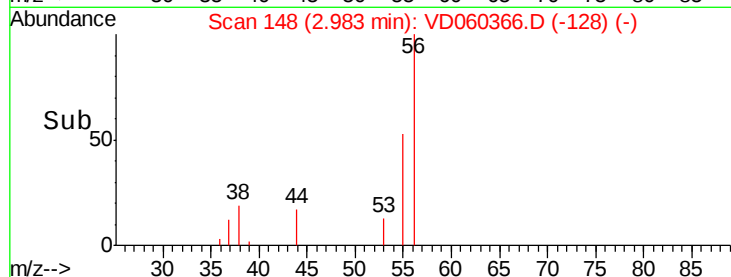
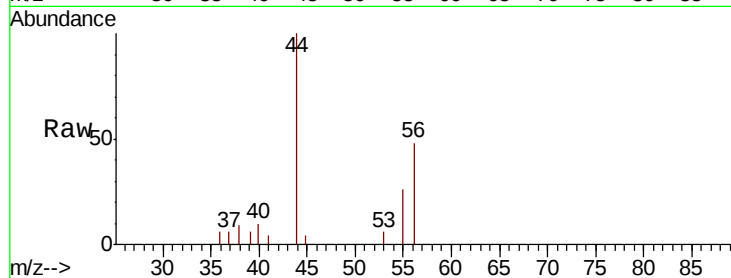
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9417

Ion Ratio Lower Upper

56 100

55 53.0 57.0 85.6#



#14

Allyl chloride

Concen: 98.778 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

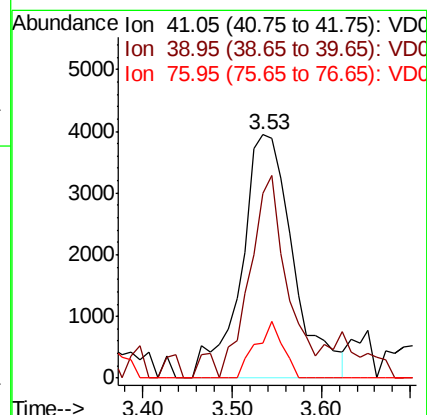
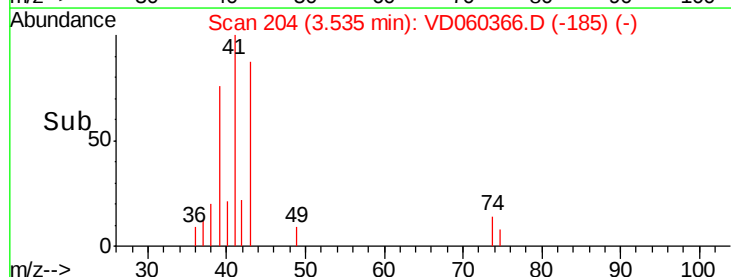
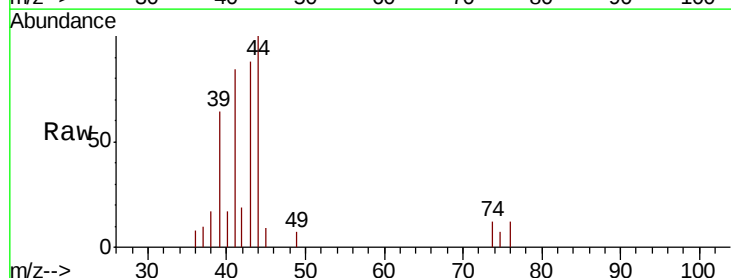
Tgt Ion: 41 Resp: 15956

Ion Ratio Lower Upper

41 100

39 76.0 60.4 90.6

76 14.6 21.8 32.8#





#15

Acrylonitrile

Concen: 2512.402 ug/l

RT: 4.09 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampleId :

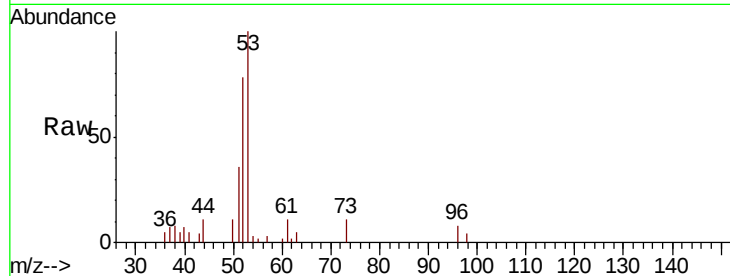
Tot Ion: 53 Resp: 74532

Ion Ratio Lower Upper

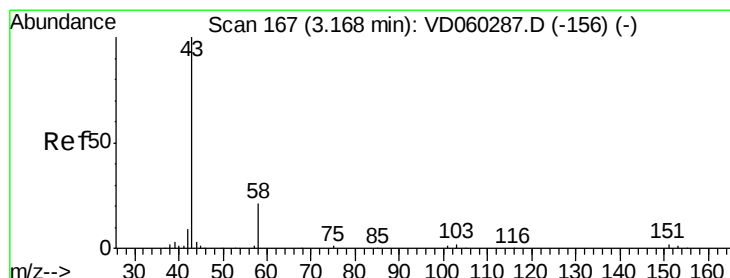
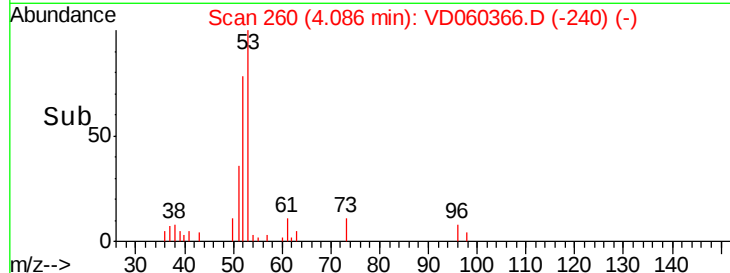
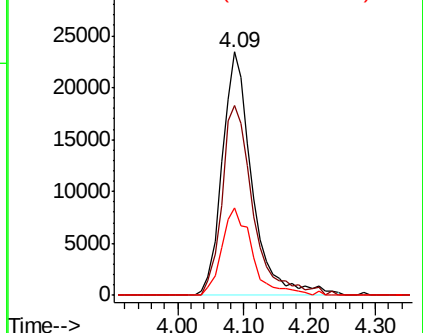
53 100

52 77.8 67.0 100.4

51 36.2 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 2970.935 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060366.D

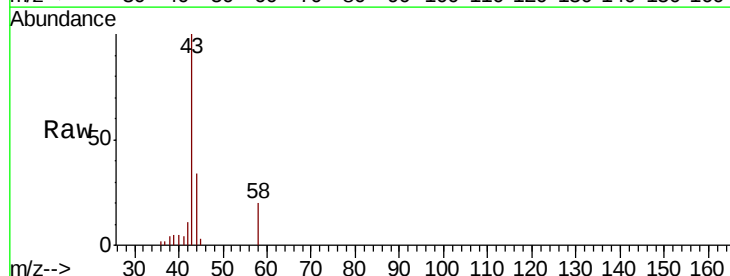
Acq: 13 Nov 2018 17:52

Tgt Ion: 43 Resp: 63843

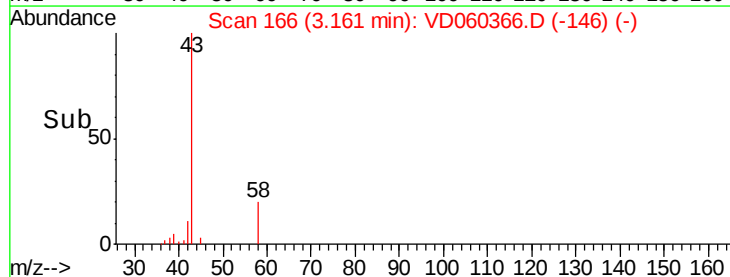
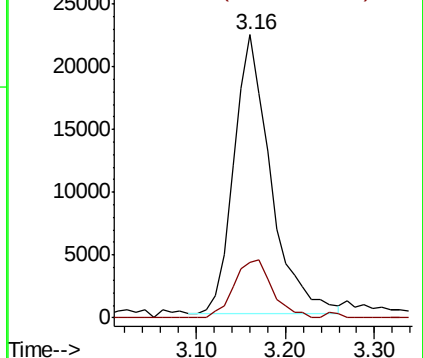
Ion Ratio Lower Upper

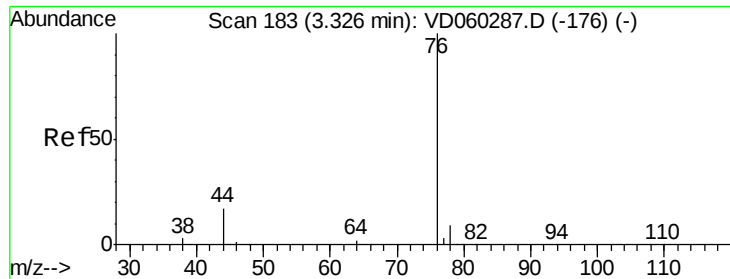
43 100

58 19.7 16.9 25.3



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

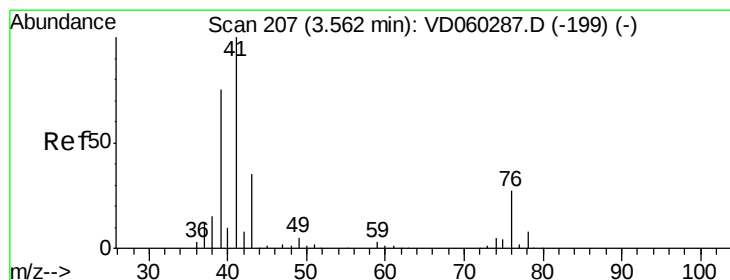
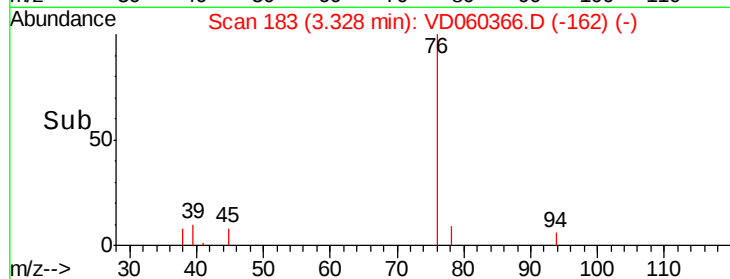
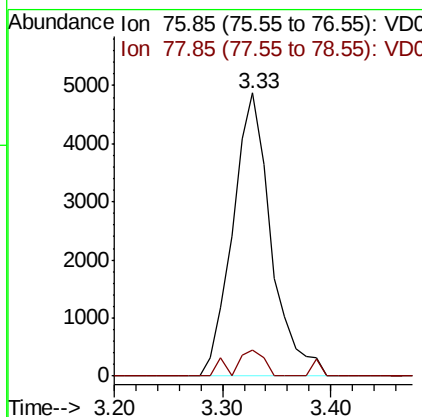
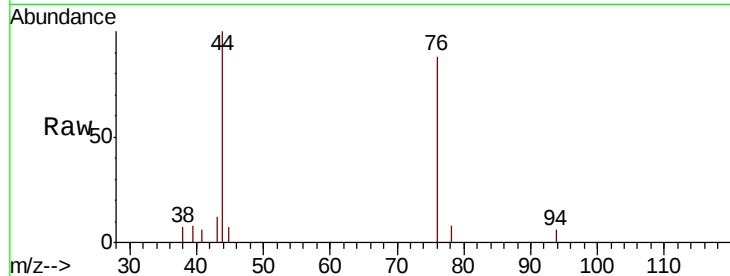




#17
Carbon Disulfide
Concen: 44.011 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

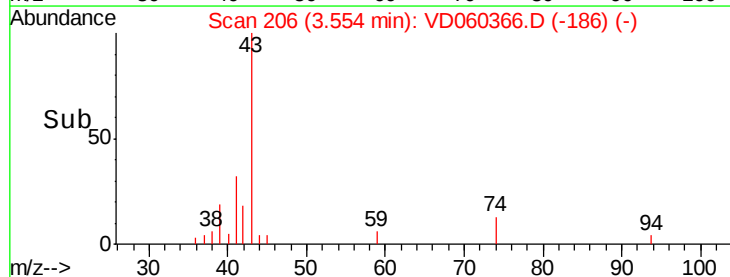
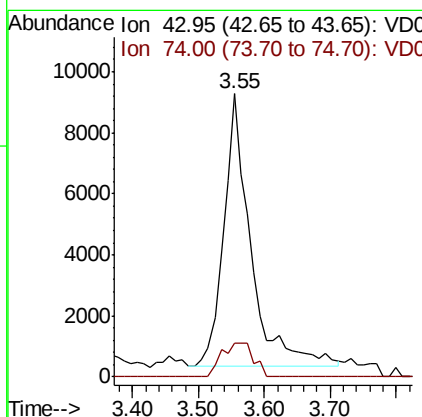
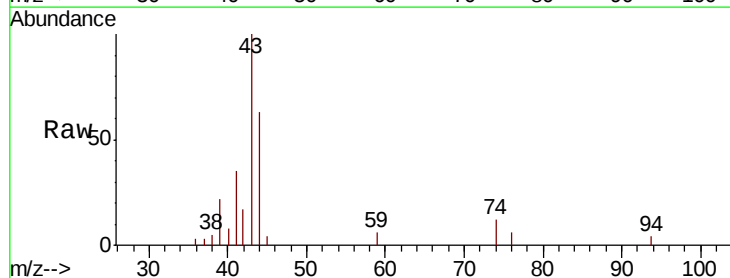
Instrument :
MSVOA_D
ClientSampled :

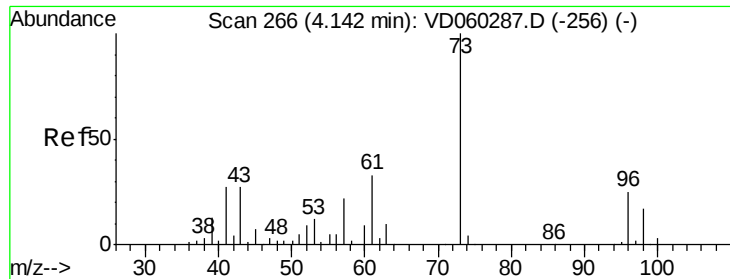
Tot Ion: 76 Resp: 11993
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 562.789 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 43 Resp: 25787
Ion Ratio Lower Upper
43 100
74 11.8 12.4 18.6#



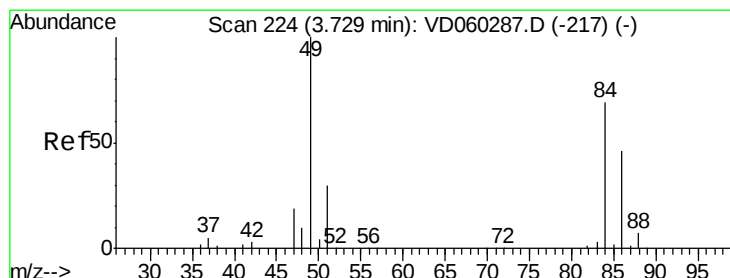
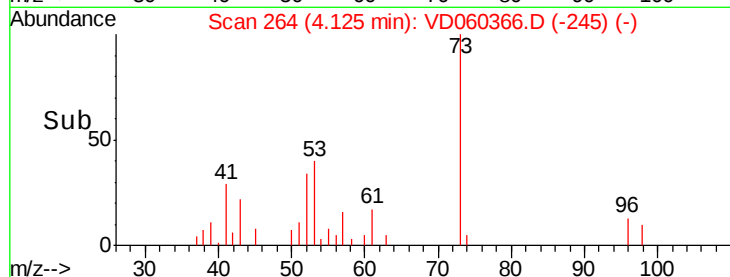
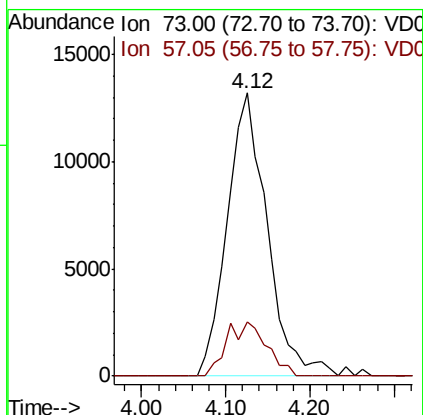
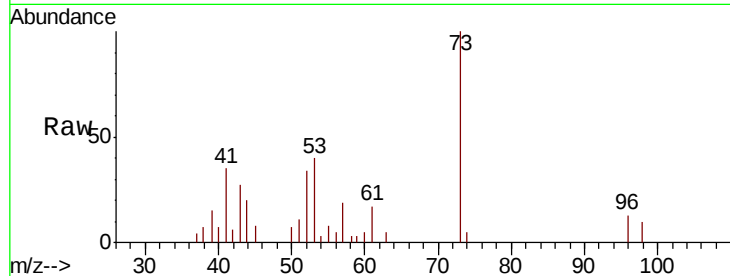


#19

Methyl tert-butyl Ether
 Concen: 172.640 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. -0.02 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Instrument :
 MSVOA_D
 ClientSampled :

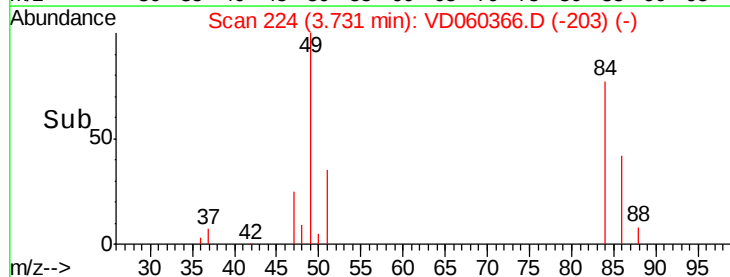
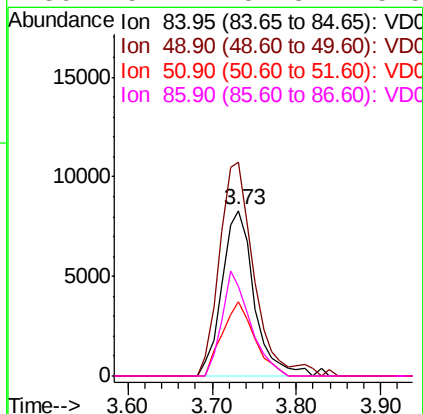
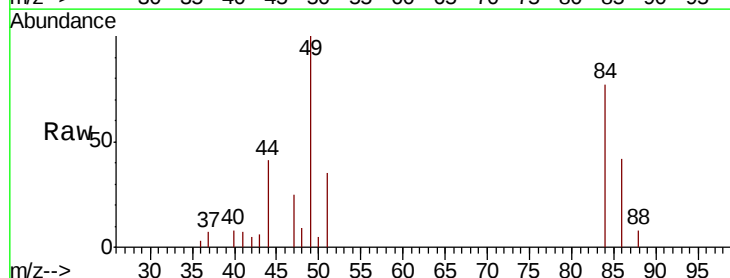
Tot Ion: 73 Resp: 43642
 Ion Ratio Lower Upper
 73 100
 57 19.0 18.1 27.1

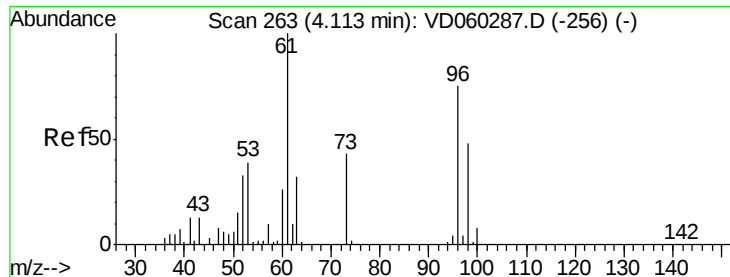


#20

Methylene Chloride
 Concen: 116.694 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Tgt Ion: 84 Resp: 22245
 Ion Ratio Lower Upper
 84 100
 49 129.3 115.6 173.4
 51 45.1 35.6 53.4
 86 54.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.139 ug/l

RT: 4.11 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

ClientSampled :

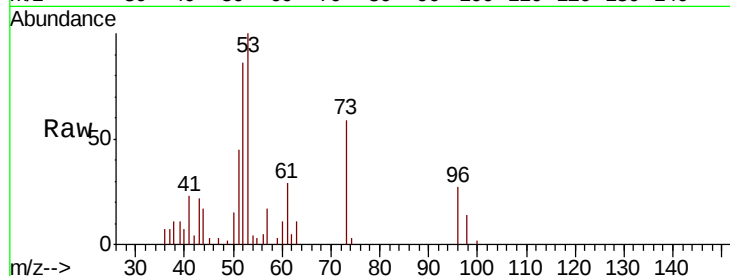
Tot Ion: 96 Resp: 9586

Ion Ratio Lower Upper

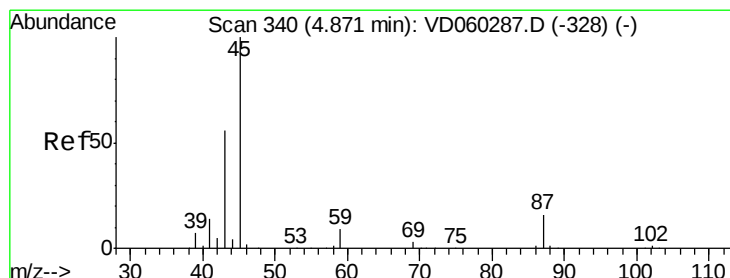
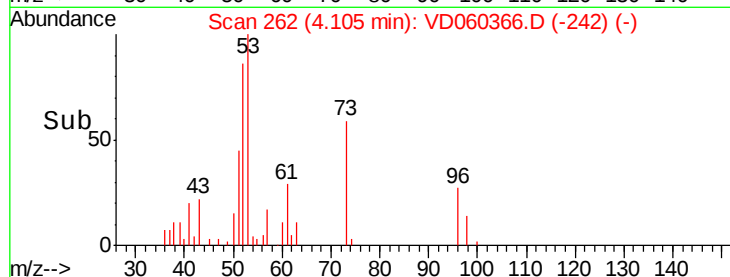
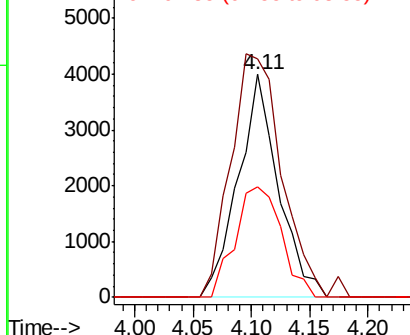
96 100

61 107.2 105.8 158.6

98 49.7 50.8 76.2#



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



#22

Diisopropyl ether

Concen: 103.754 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Tgt Ion: 45 Resp: 62615

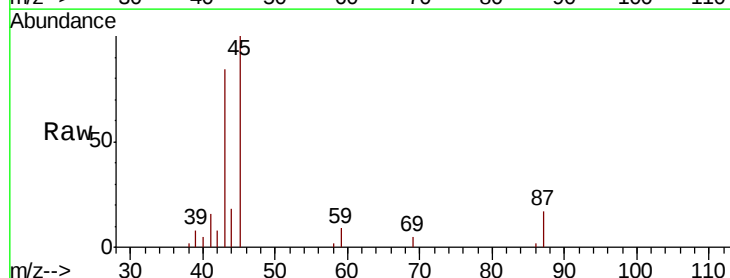
Ion Ratio Lower Upper

45 100

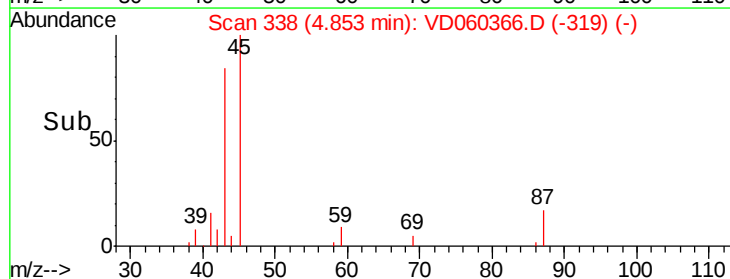
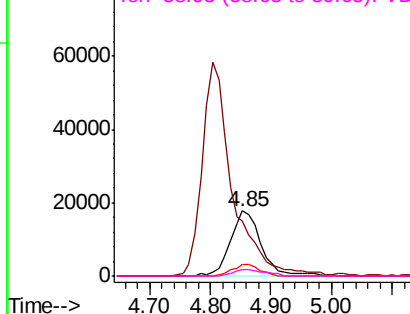
43 84.4 44.9 67.3#

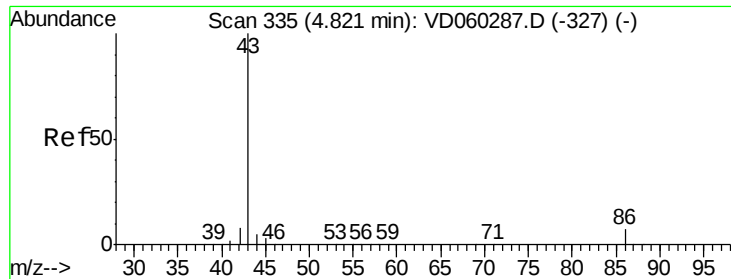
87 17.0 13.9 20.9

59 9.0 7.0 10.6



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





#23

Vinyl Acetate

Concen: 669.467 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

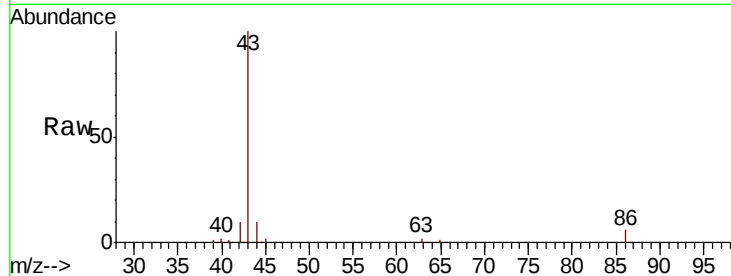
ClientSampleId :

Tot Ion: 43 Resp: 201034

Ion Ratio Lower Upper

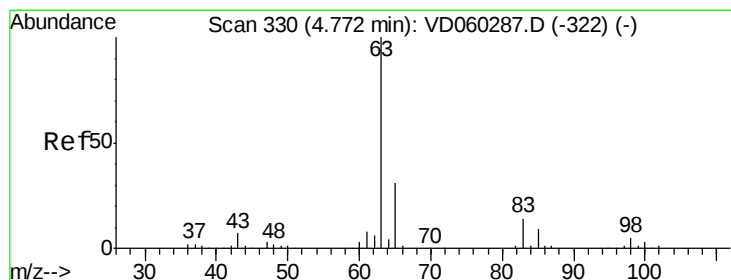
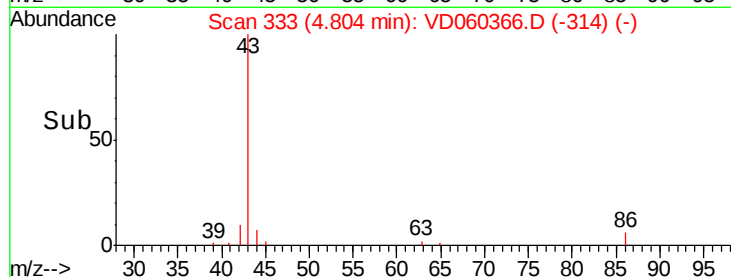
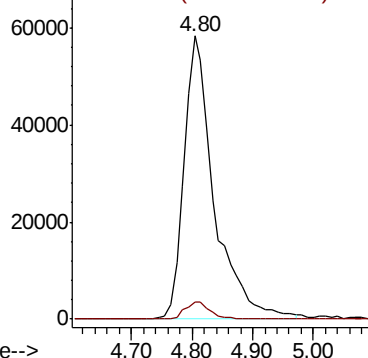
43 100

86 5.9 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 72.863 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

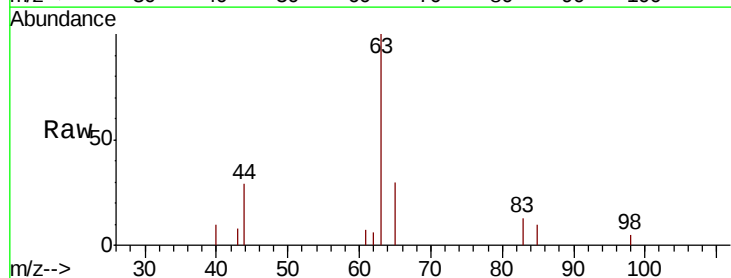
Tgt Ion: 63 Resp: 22549

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

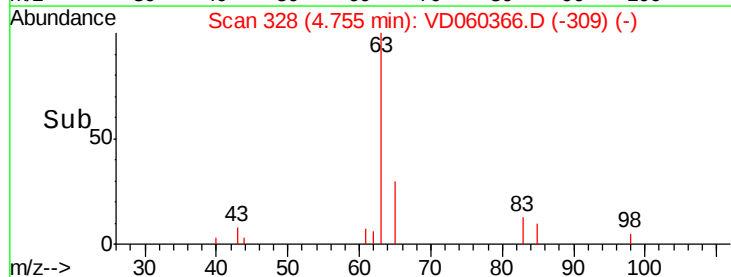
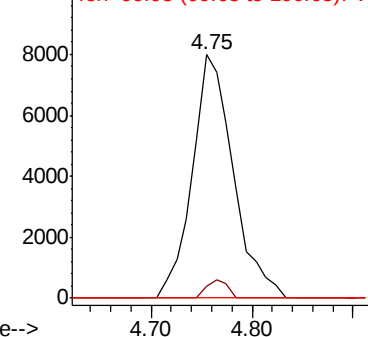
100 0.0 1.8 5.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 2497.435 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

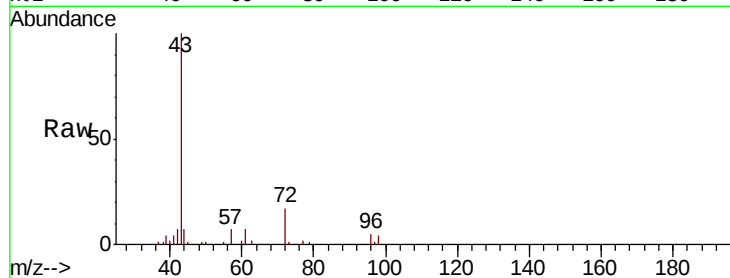
ClientSampleId :

Tot Ion: 43 Resp: 111552

Ion Ratio Lower Upper

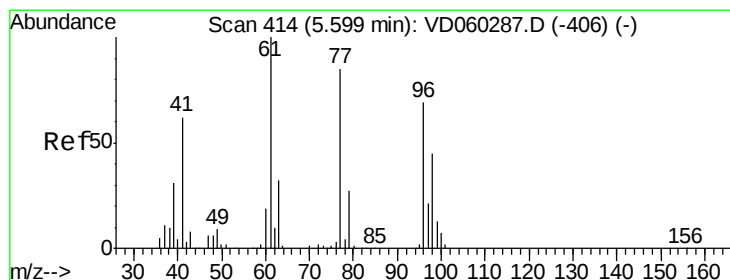
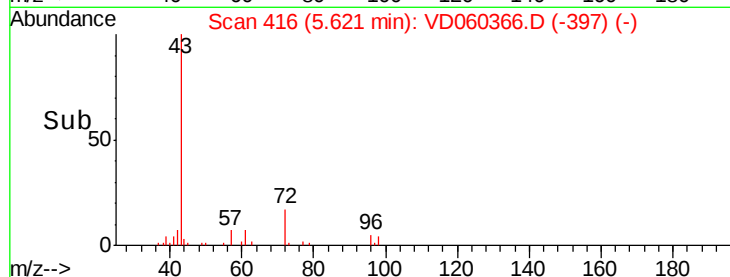
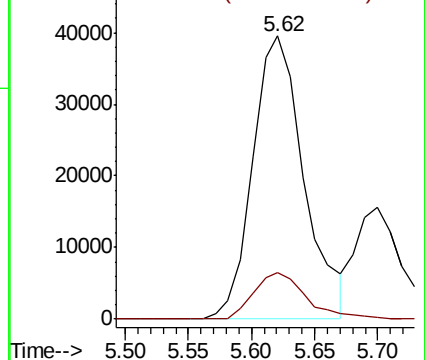
43 100

72 16.5 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 43.770 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060366.D

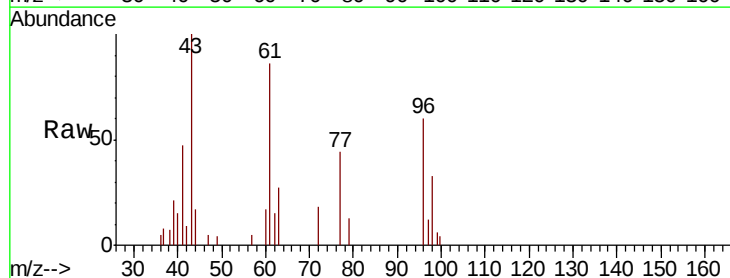
Acq: 13 Nov 2018 17:52

Tgt Ion: 77 Resp: 10531

Ion Ratio Lower Upper

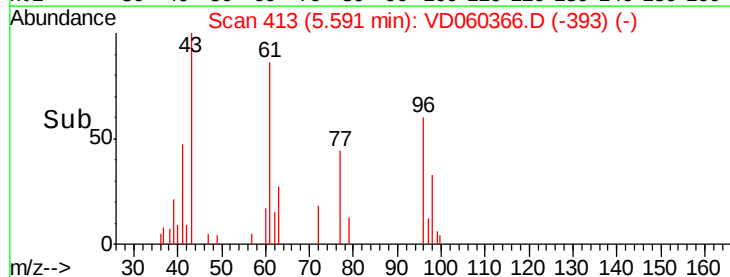
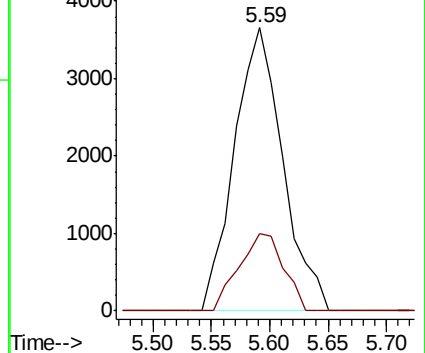
77 100

97 27.3 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



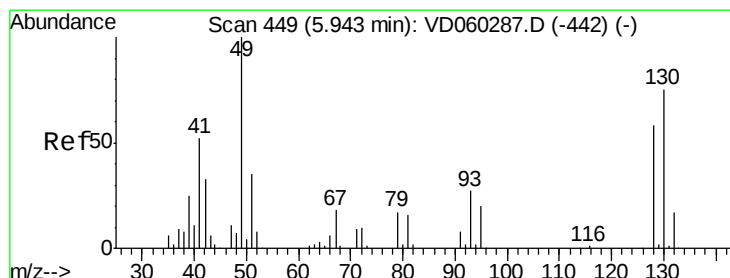
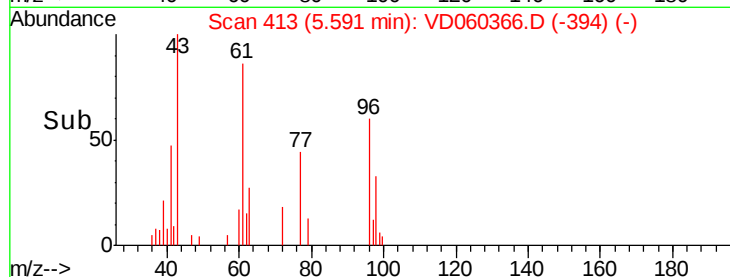
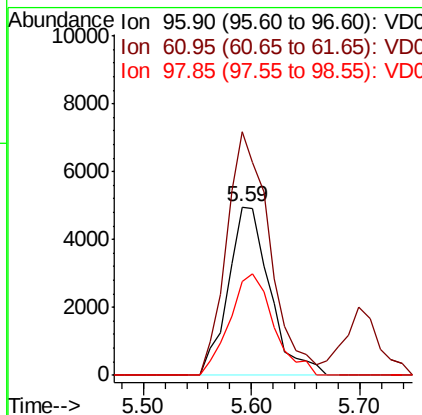
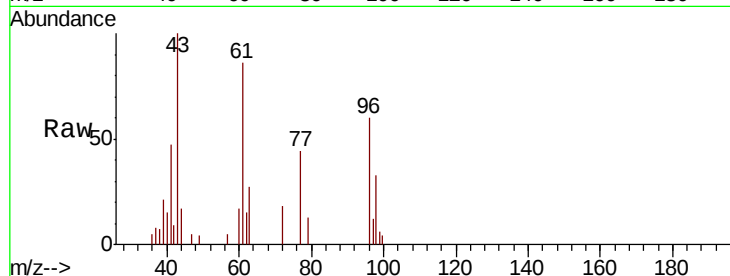


#27

cis-1,2-Dichloroethene
Concen: 68.123 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampleId :

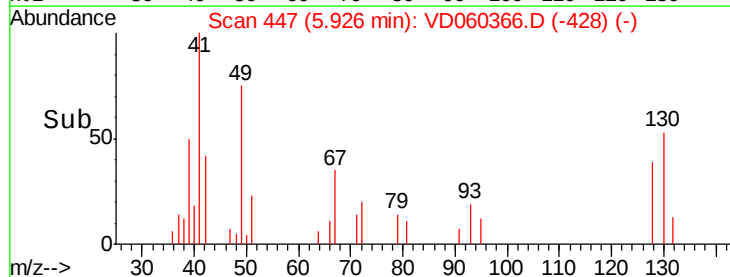
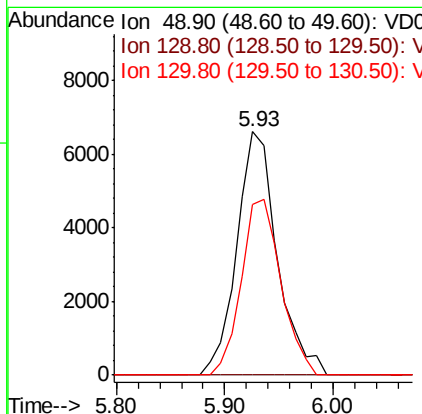
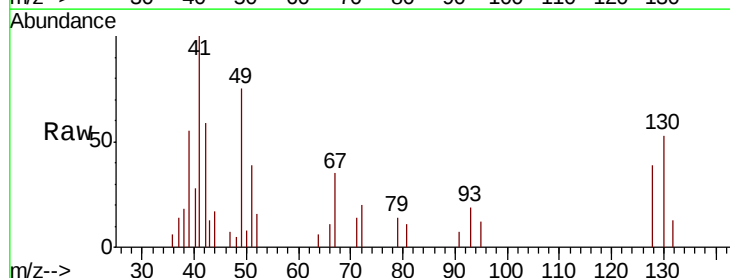
Tot Ion: 96 Resp: 13303
Ion Ratio Lower Upper
96 100
61 144.6 0.0 259.0
98 55.7 0.0 128.8

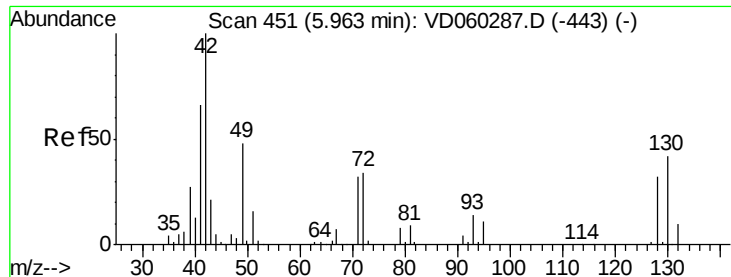


#28

Bromochloromethane
Concen: 125.948 ug/l
RT: 5.93 min Scan# 447
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 49 Resp: 17198
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.8
130 70.0 53.6 80.4

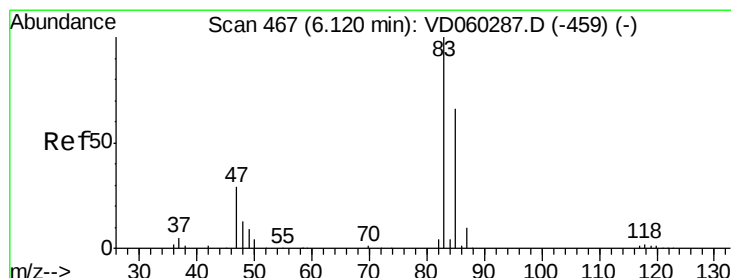
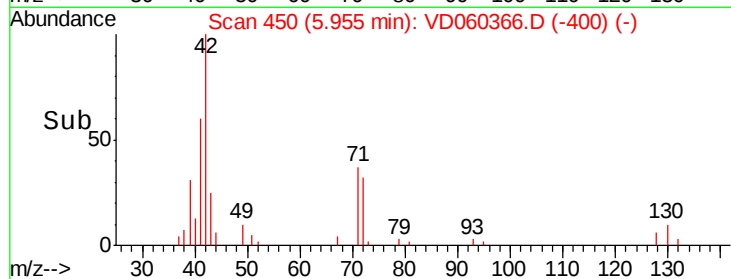
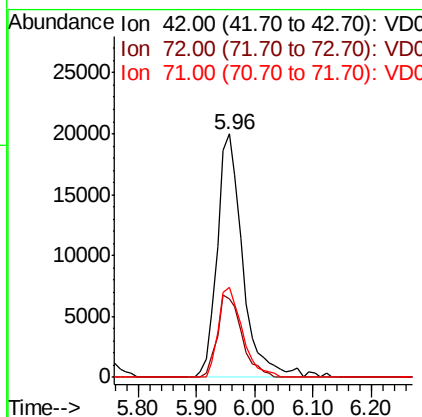
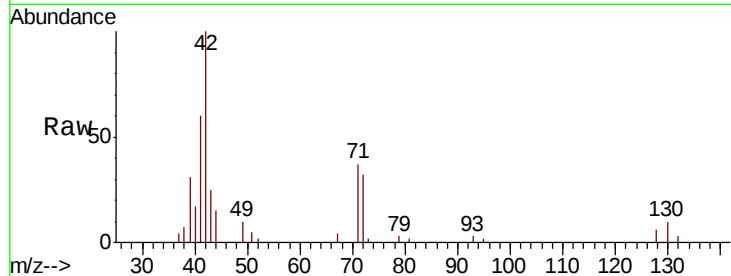




#29
Tetrahydrofuran
Concen: 2584.048 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

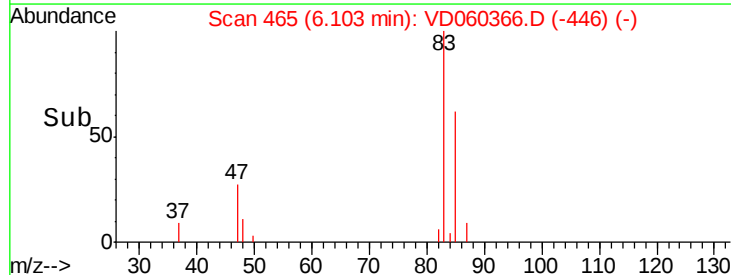
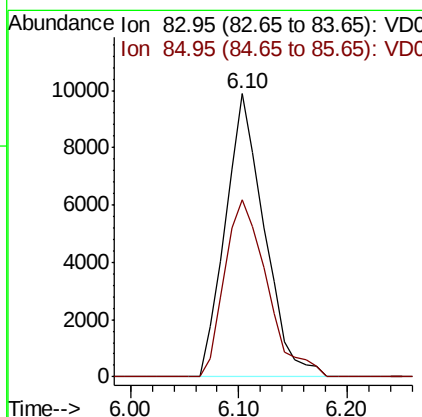
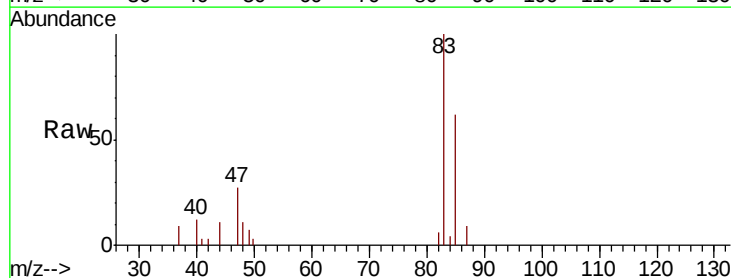
Instrument :
MSVOA_D
ClientSampleId :

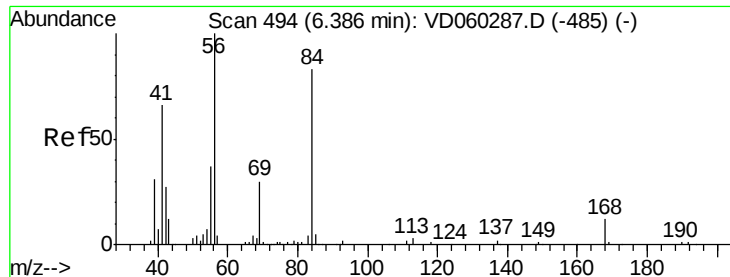
Tot Ion: 42 Resp: 60853
Ion Ratio Lower Upper
42 100
72 32.1 27.6 41.4
71 34.6 26.5 39.7



#30
Chloroform
Concen: 80.167 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 83 Resp: 24802
Ion Ratio Lower Upper
83 100
85 62.4 52.5 78.7

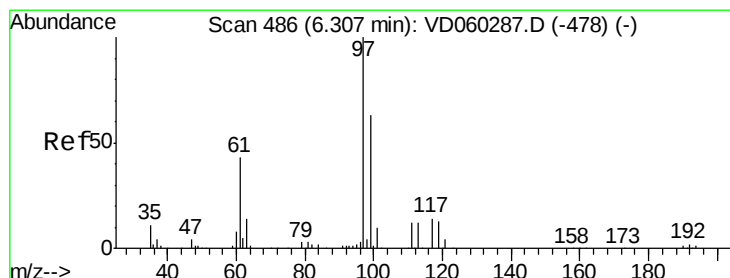
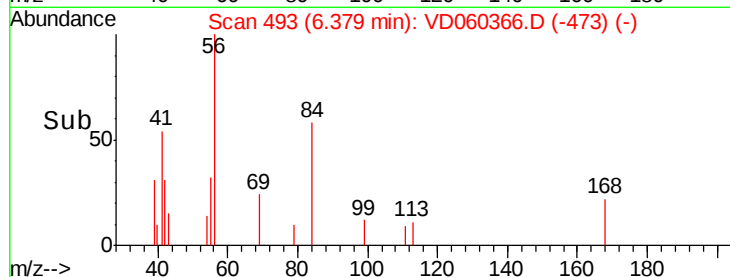
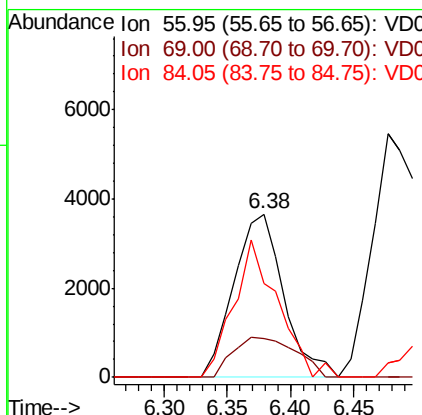
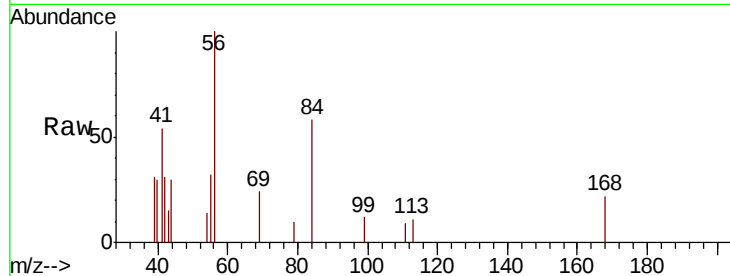




#31
Cvclohexane
Concen: 33.947 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

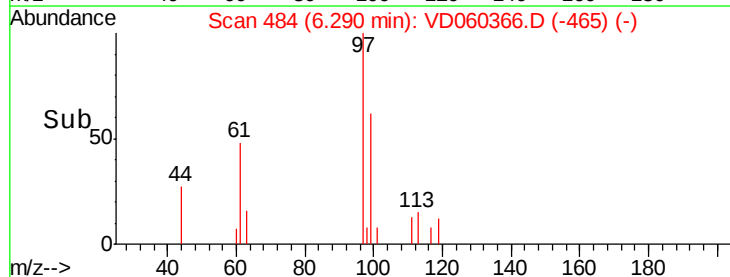
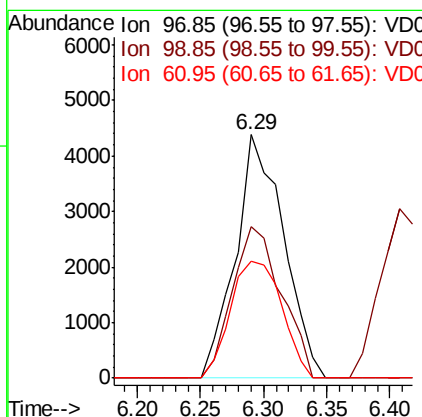
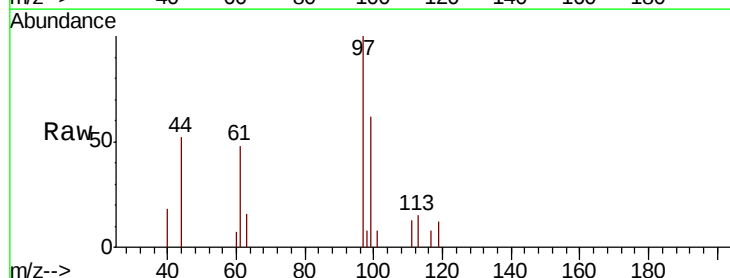
Instrument :
MSVOA_D
ClientSampleId :

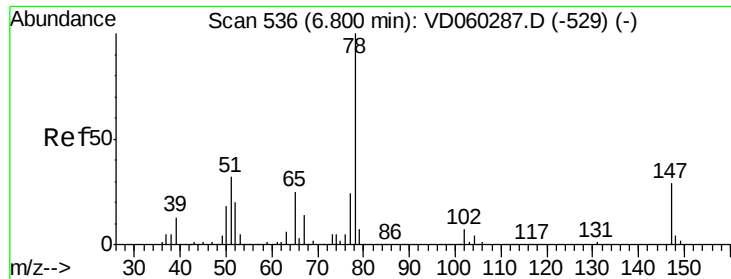
Tot Ion: 56 Resp: 10041
Ion Ratio Lower Upper
56 100
69 24.1 22.2 33.2
84 57.9 63.0 94.4#



#32
1,1,1-Trichloroethane
Concen: 44.523 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 97 Resp: 11603
Ion Ratio Lower Upper
97 100
99 61.9 51.5 77.3
61 48.2 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 44.523 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

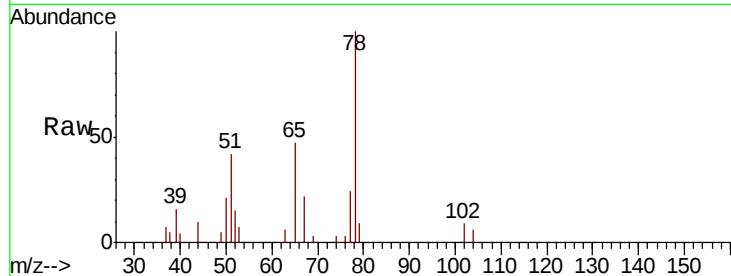
ClientSampled :

Tot Ion: 65 Resp: 18269

Ion Ratio Lower Upper

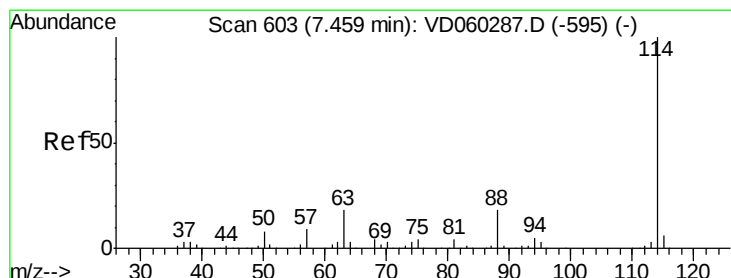
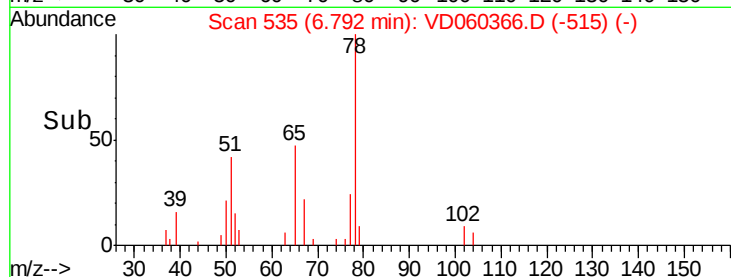
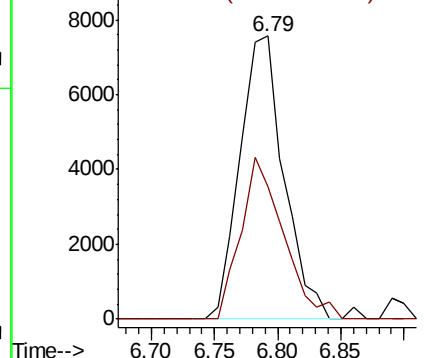
65 100

67 47.0 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

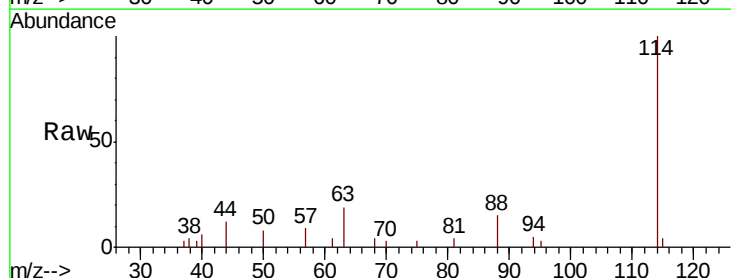
Tgt Ion: 114 Resp: 28256

Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.0

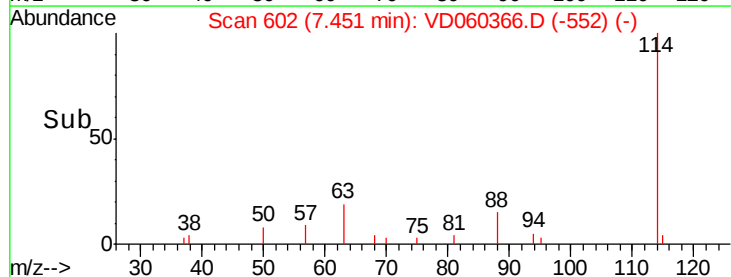
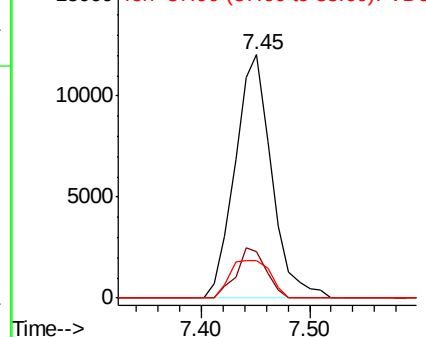
88 15.5 0.0 35.4

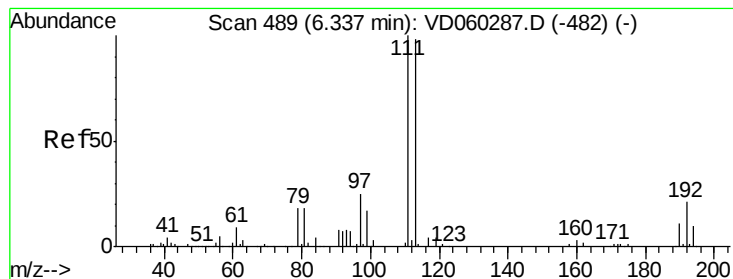


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

ClientSampleId :

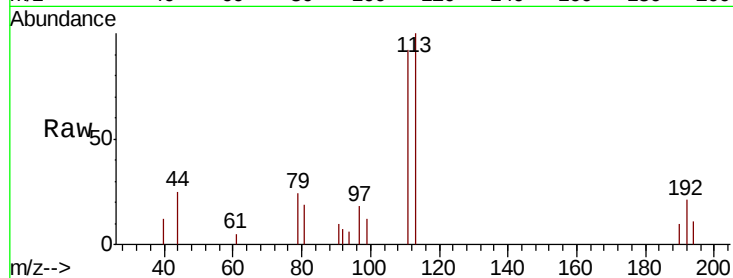
Tot Ion:113 Resp: 16661

Ion Ratio Lower Upper

113 100

111 92.1 81.6 122.4

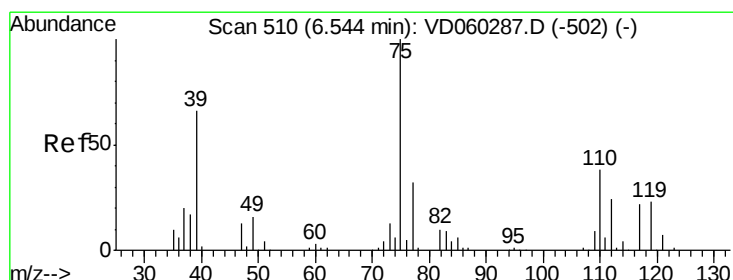
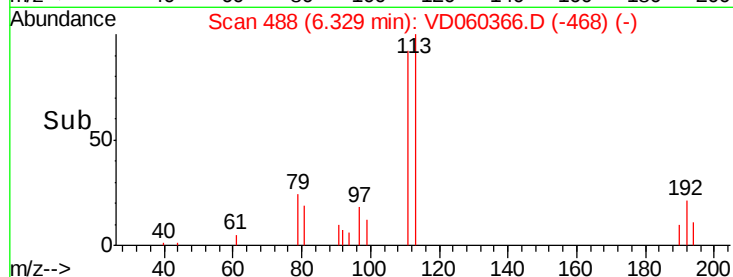
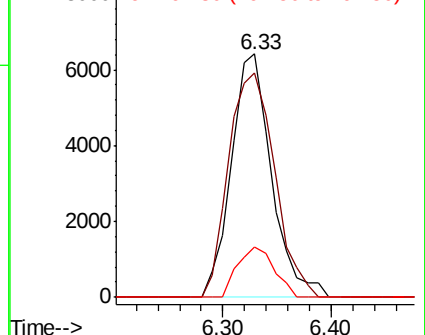
192 20.9 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 36.381 ug/l

RT: 6.53 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

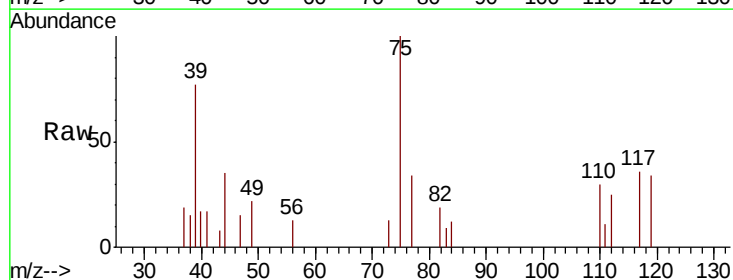
Tgt Ion: 75 Resp: 10156

Ion Ratio Lower Upper

75 100

110 30.2 18.0 54.0

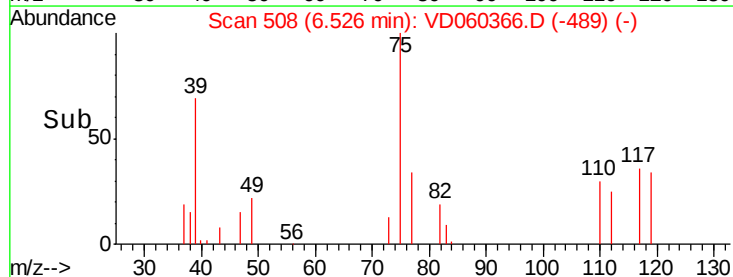
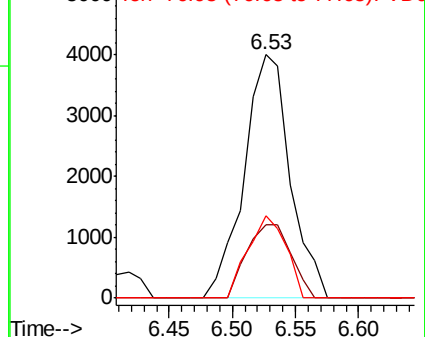
77 33.8 25.6 38.4

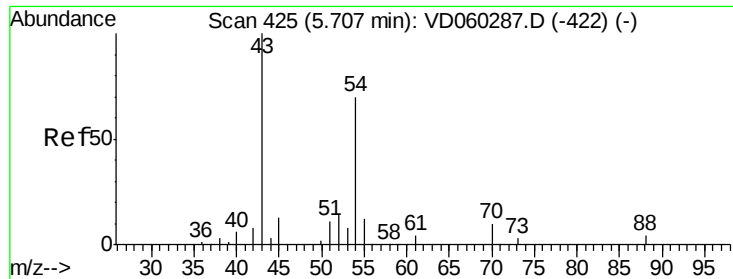


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

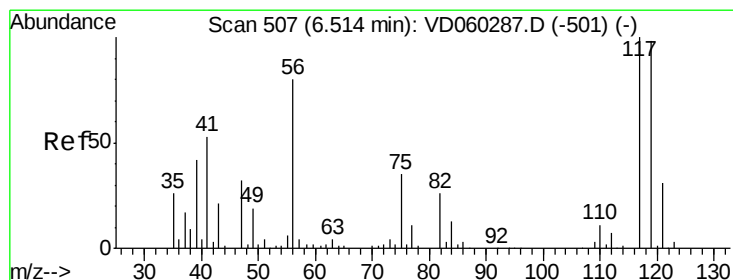
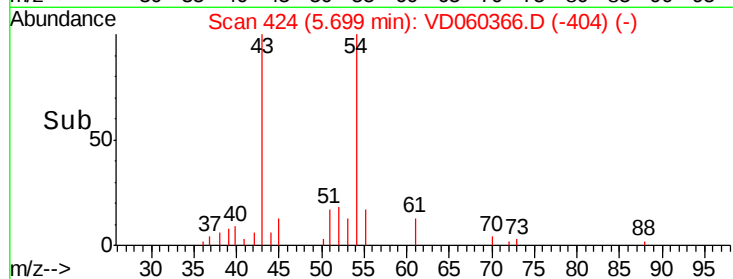
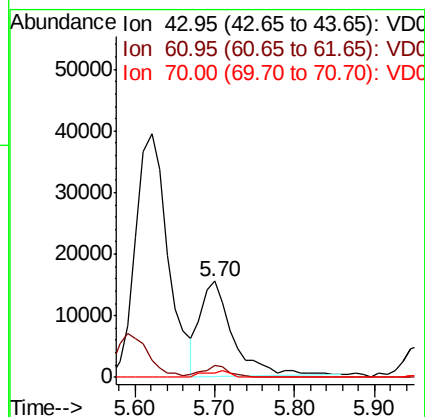
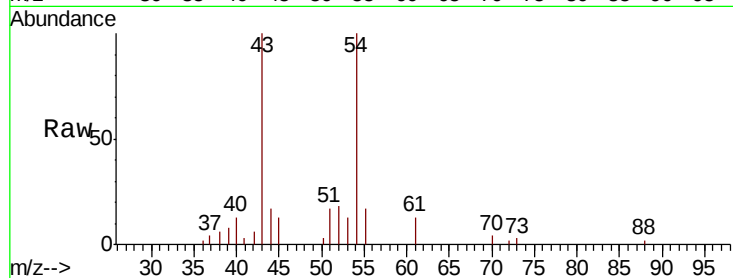




#37
Ethyl Acetate
Concen: 336.082 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

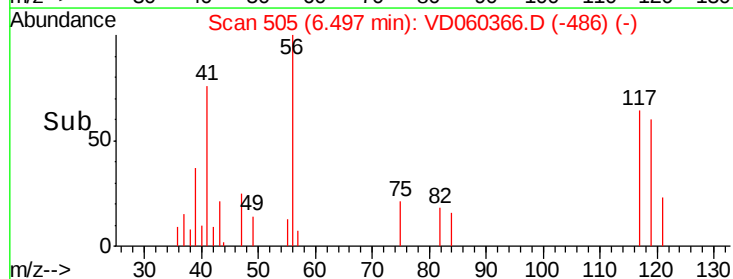
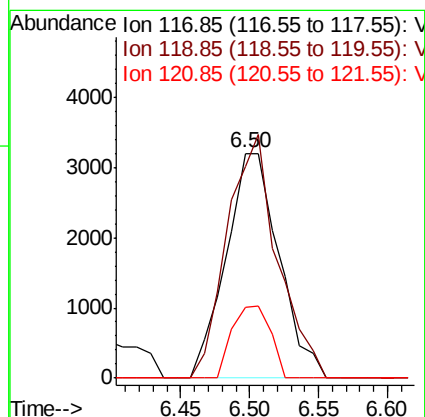
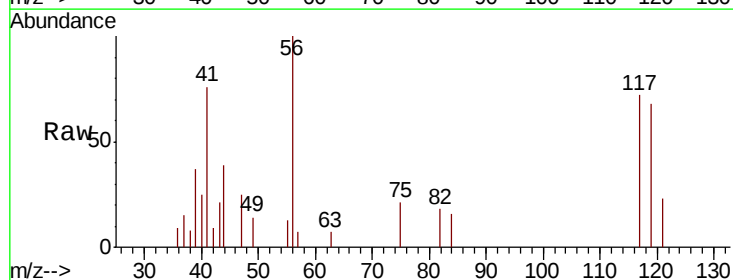
Instrument :
MSVOA_D
ClientSampled :

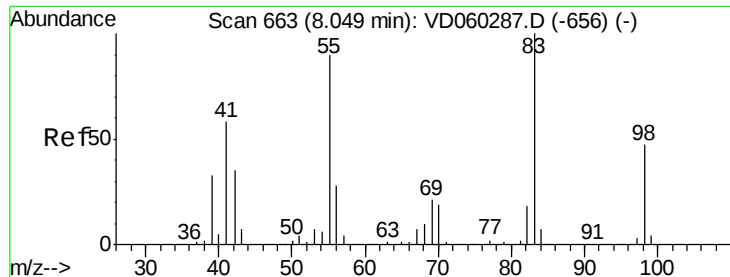
Tot Ion: 43 Resp: 43172
Ion Ratio Lower Upper
43 100
61 12.9 11.8 17.6
70 4.4 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 33.145 ug/l
RT: 6.50 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 117 Resp: 8583
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 31.7 24.3 36.5

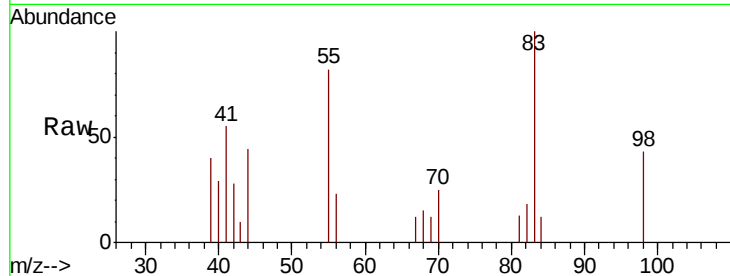




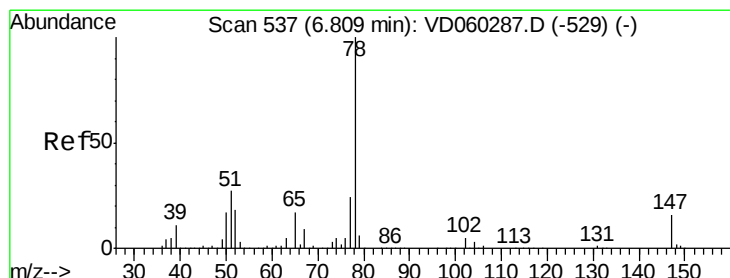
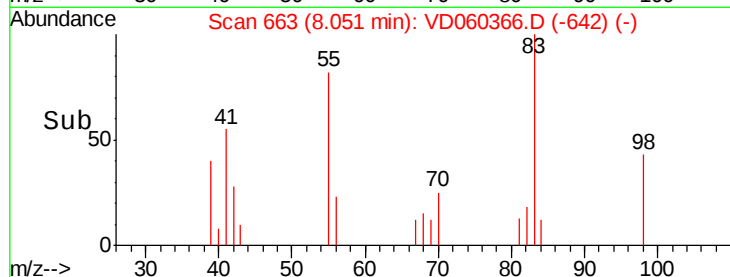
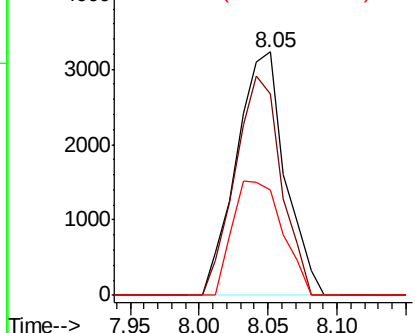
#39
Methvlcvclohexane
Concen: 24.717 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 7936
Ion Ratio Lower Upper
83 100
55 82.5 71.2 106.8
98 43.5 38.4 57.6

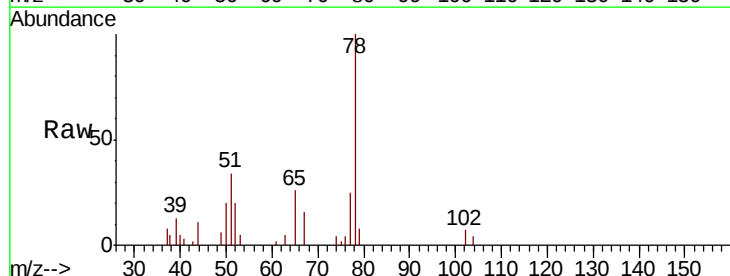


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

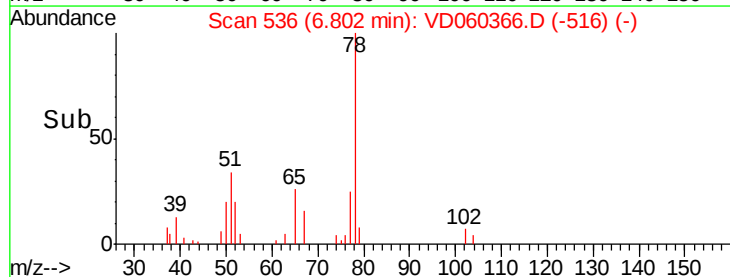
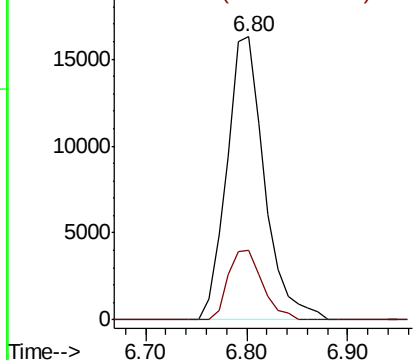


#40
Benzene
Concen: 59.210 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 78 Resp: 42192
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2



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

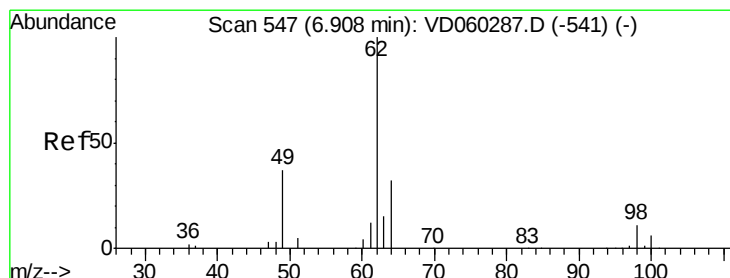
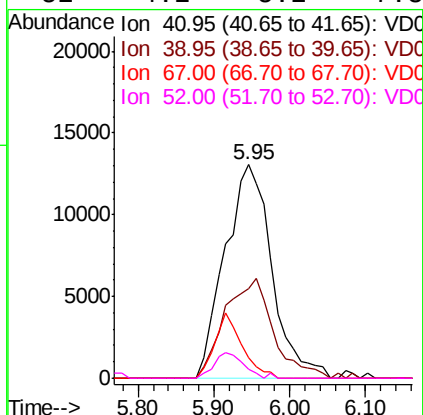
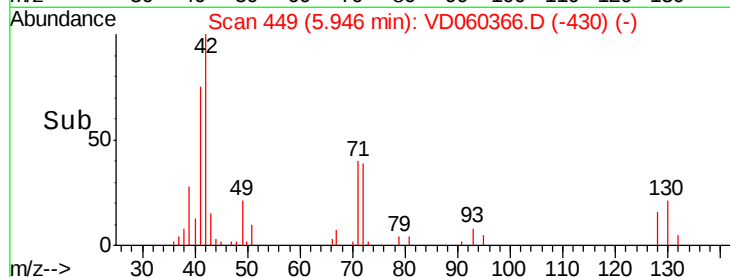
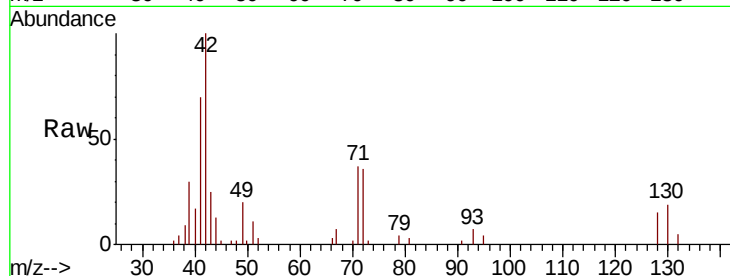




#41
Methacrylonitrile
Concen: 382.955 ug/l
RT: 5.95 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

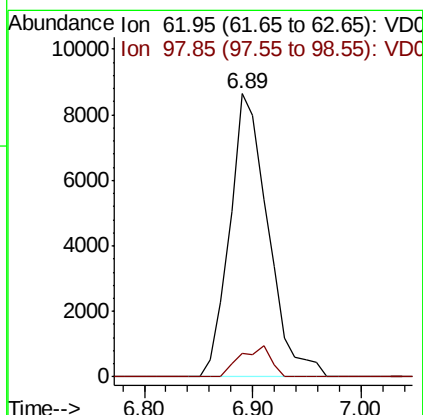
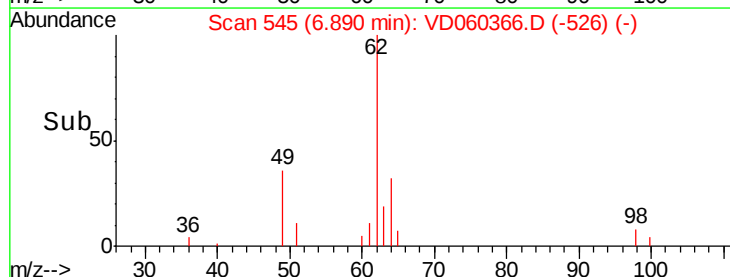
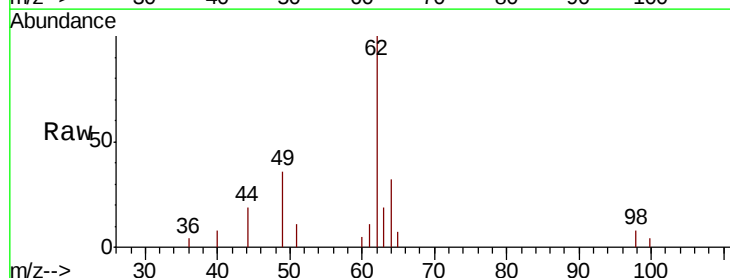
Instrument :
MSVOA_D
ClientSampleId :

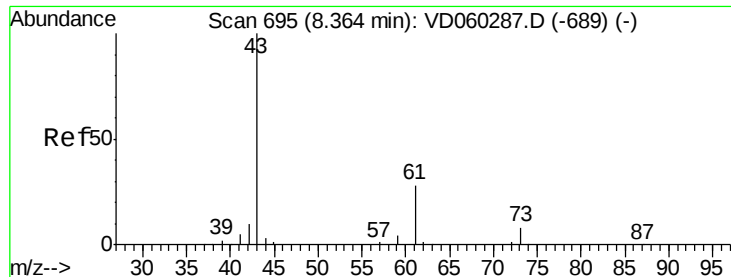
Tot Ion: 41 Resp: 56304
Ion Ratio Lower Upper
41 100
39 42.3 36.2 54.2
67 9.7 11.9 17.9#
52 4.2 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 114.040 ug/l
RT: 6.89 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 62 Resp: 21270
Ion Ratio Lower Upper
62 100
98 8.2 0.0 22.0



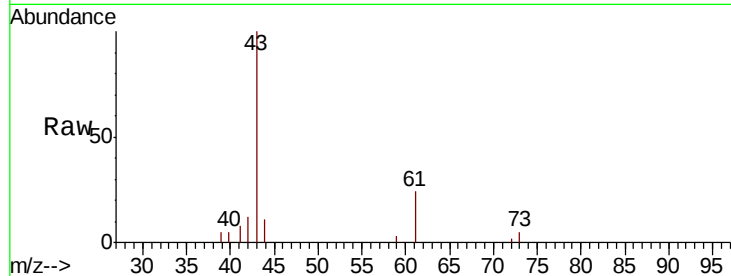


#43

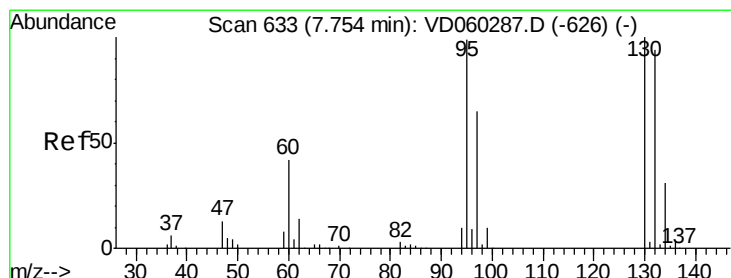
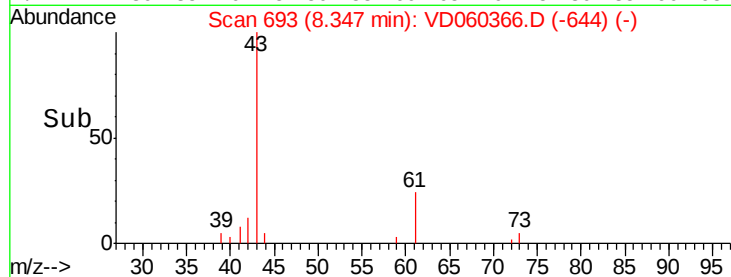
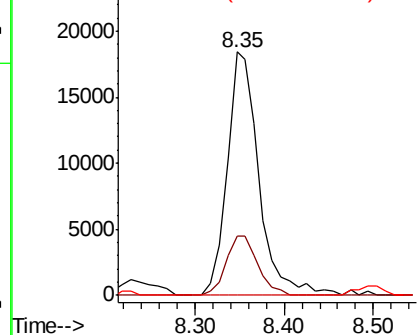
Isopropyl Acetate
 Concen: 284.740 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. -0.02 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 45945
 Ion Ratio Lower Upper
 43 100
 61 24.3 22.3 33.5
 87 0.0 0.2 0.2#



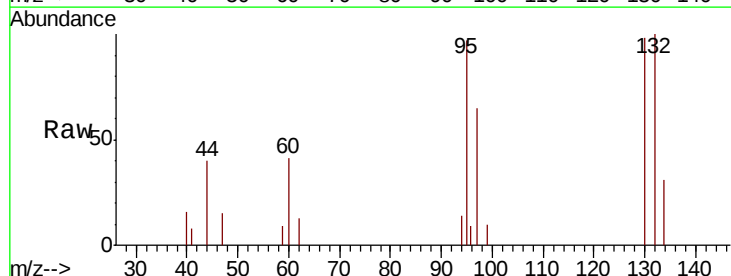
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



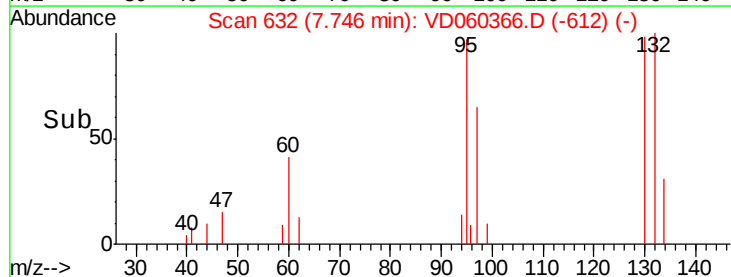
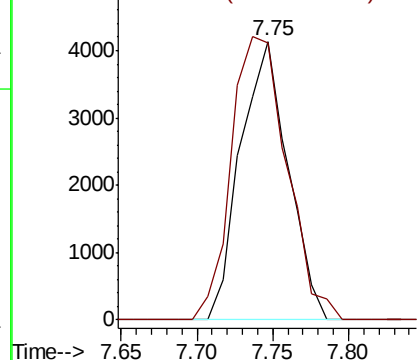
#44

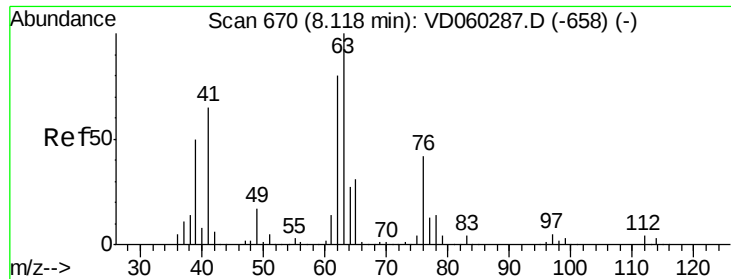
Trichloroethene
 Concen: 41.878 ug/l
 RT: 7.75 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Tgt Ion: 130 Resp: 9046
 Ion Ratio Lower Upper
 130 100
 95 99.2 0.0 200.0



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





#45

1,2-Dichloropropane

Concen: 73.583 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

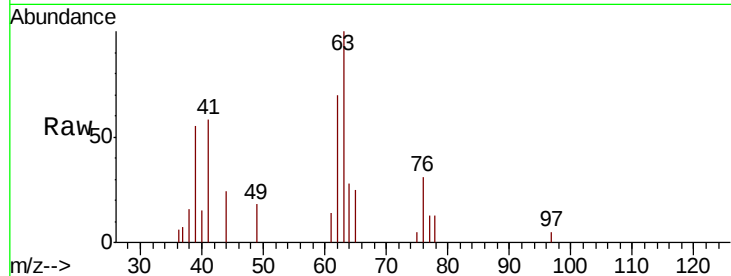
ClientSampleId :

Tot Ion: 63 Resp: 13224

Ion Ratio Lower Upper

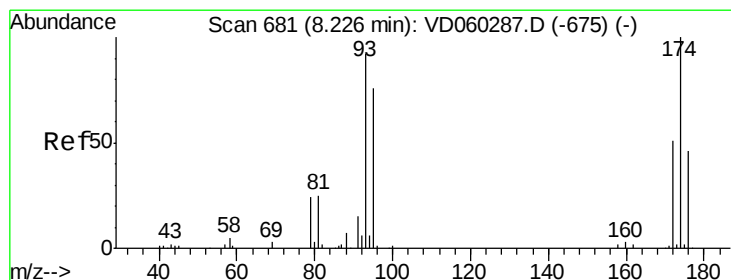
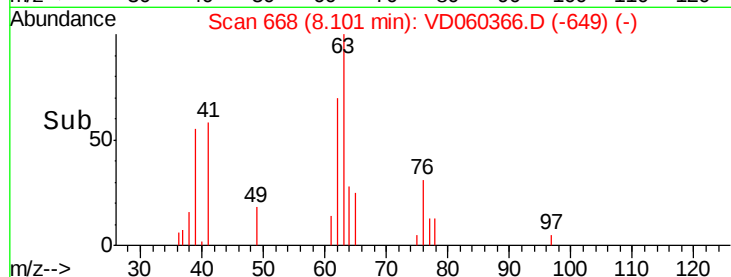
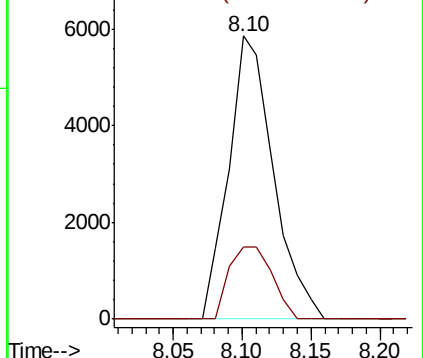
63 100

65 25.5 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 138.691 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

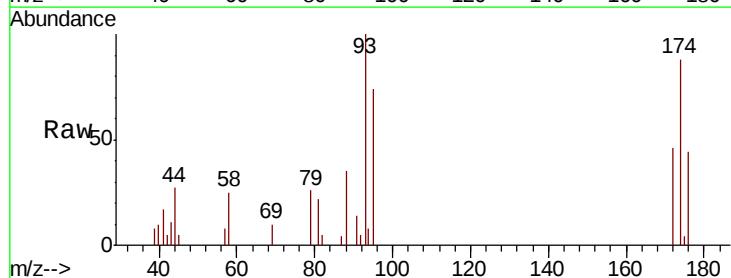
Tgt Ion: 93 Resp: 14598

Ion Ratio Lower Upper

93 100

95 74.2 66.4 99.6

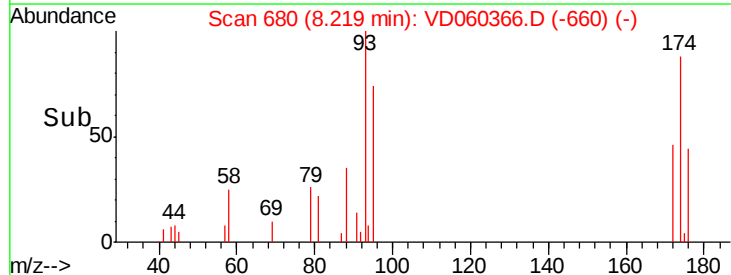
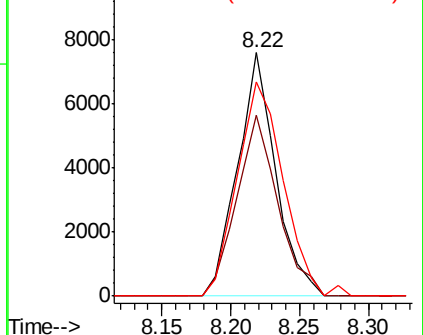
174 87.7 87.8 131.8#

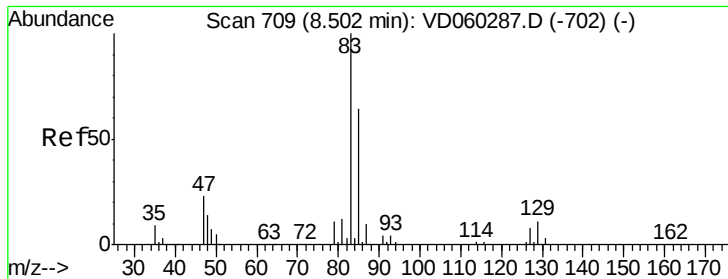


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 73.063 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

ClientSampled :

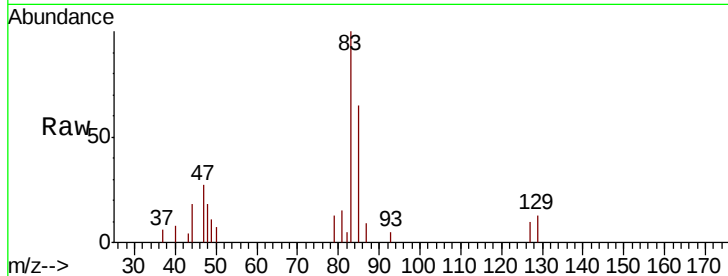
Tot Ion: 83 Resp: 18122

Ion Ratio Lower Upper

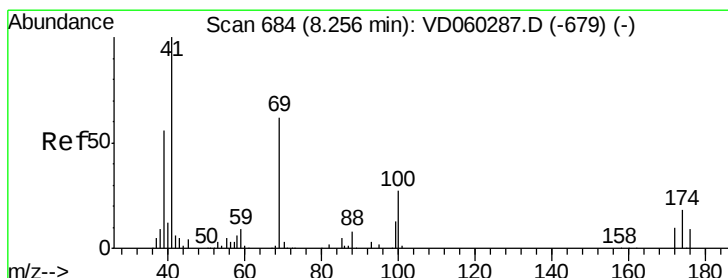
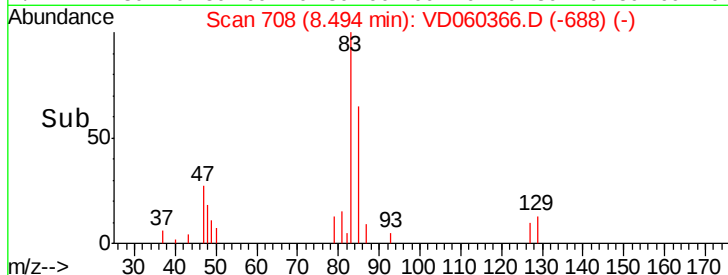
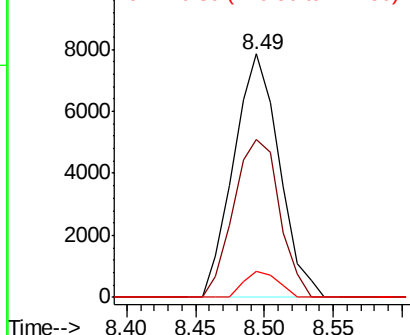
83 100

85 65.0 51.0 76.6

127 10.5 6.2 9.4#



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



#48

Methyl methacrylate

Concen: 247.632 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

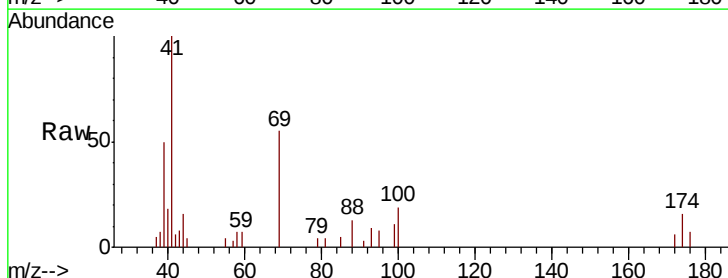
Tgt Ion: 41 Resp: 24271

Ion Ratio Lower Upper

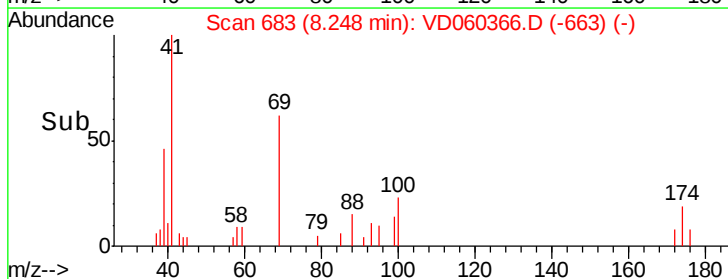
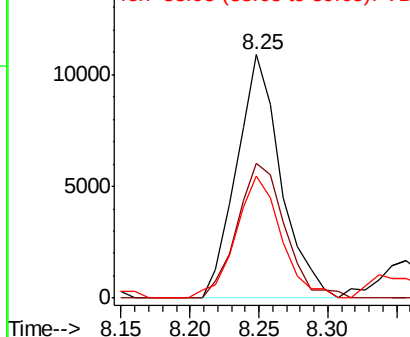
41 100

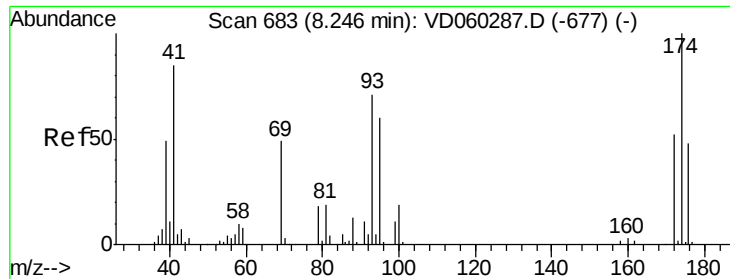
69 55.2 47.0 70.4

39 50.3 46.2 69.4



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

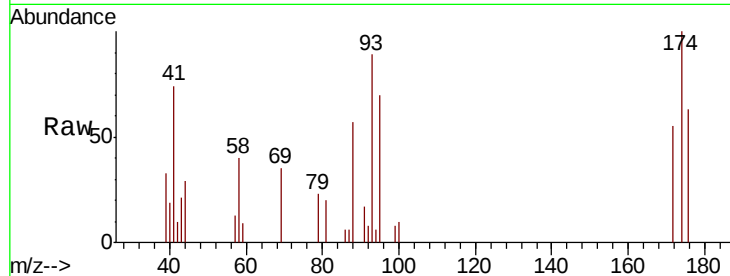




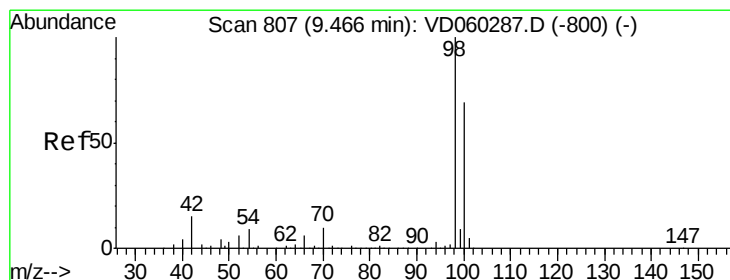
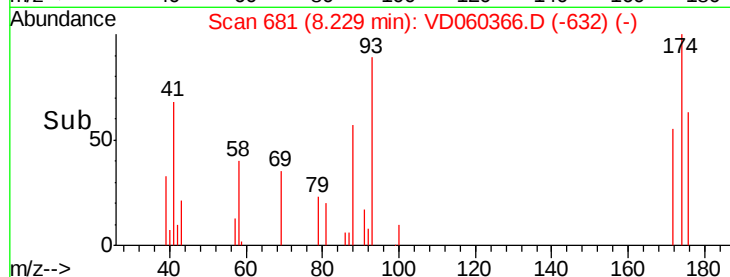
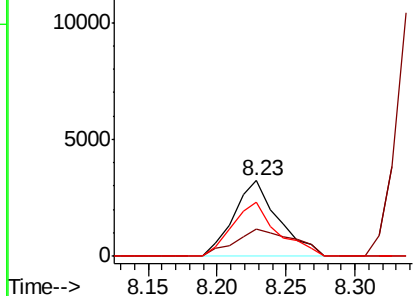
#49
1,4-Dioxane
Concen: 8605.810 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.02 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 7298
Ion Ratio Lower Upper
88 100
43 36.0 39.7 59.5#
58 70.9 60.2 90.2

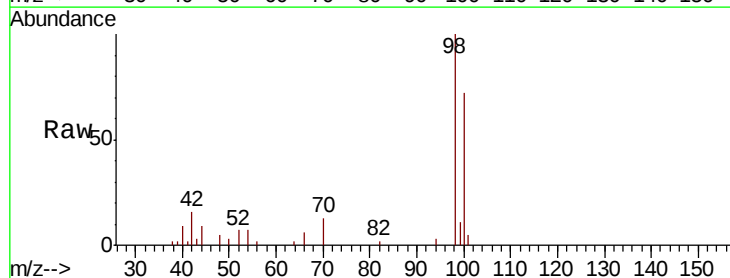


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

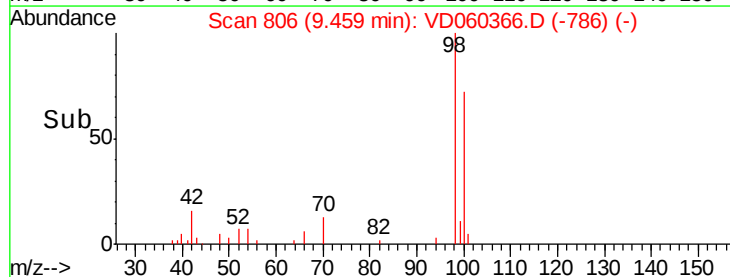
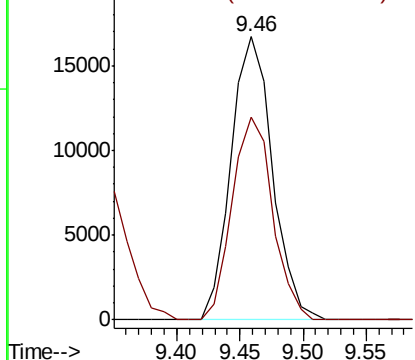


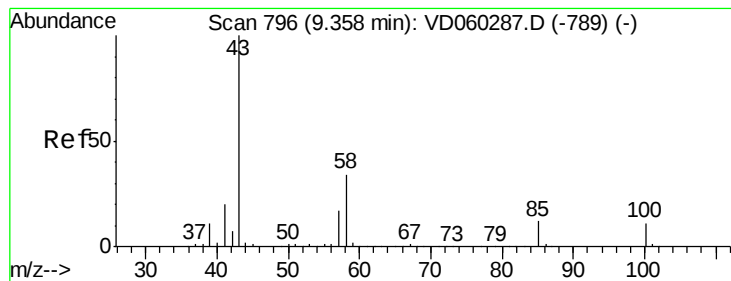
#50
Toluene-d8
Concen: 8605.810 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 98 Resp: 37954
Ion Ratio Lower Upper
98 100
100 71.6 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 1762.885 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

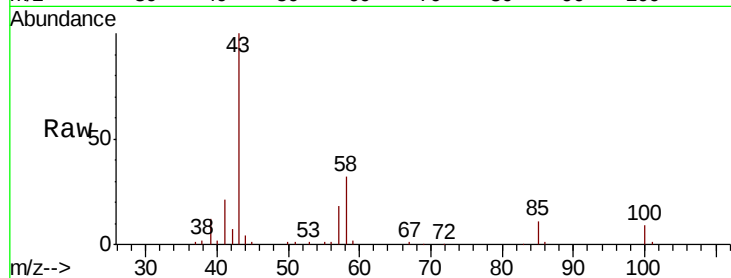
ClientSampleId :

Tot Ion: 43 Resp: 185141

Ion Ratio Lower Upper

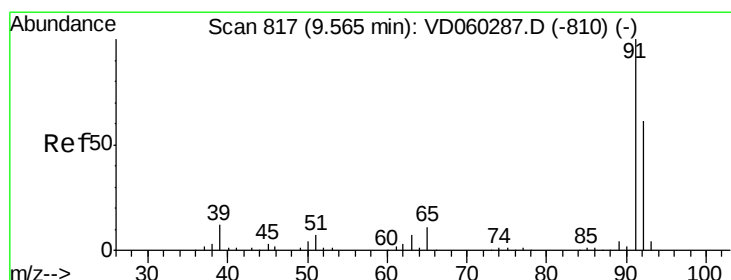
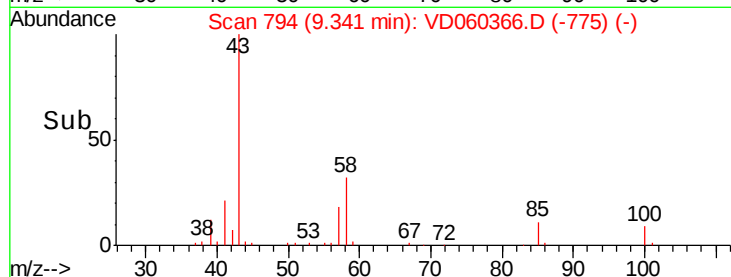
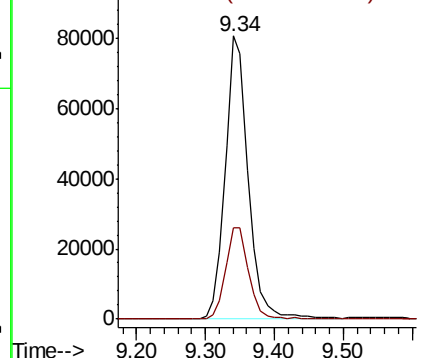
43 100

58 32.5 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 58.216 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD060366.D

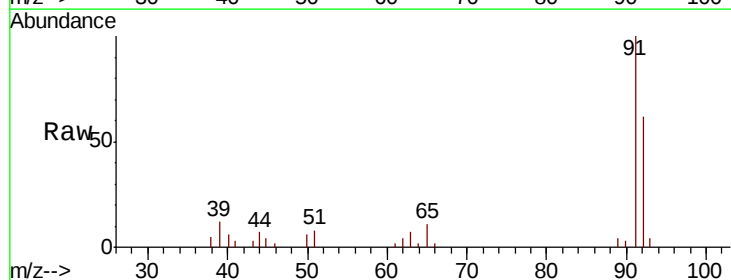
Acq: 13 Nov 2018 17:52

Tgt Ion: 92 Resp: 26499

Ion Ratio Lower Upper

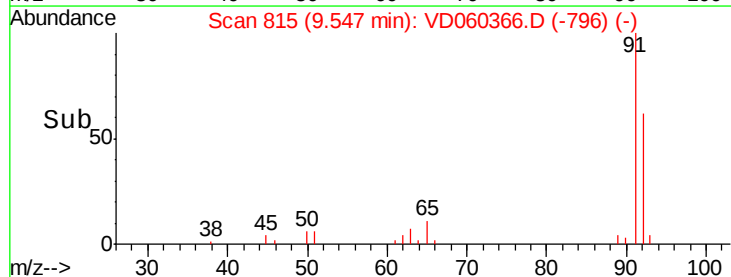
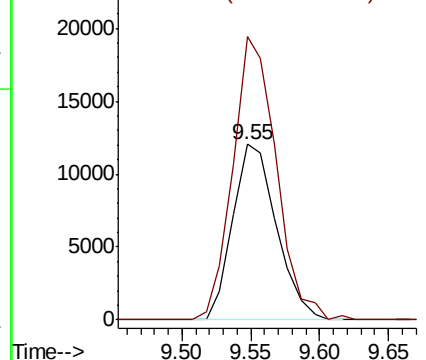
92 100

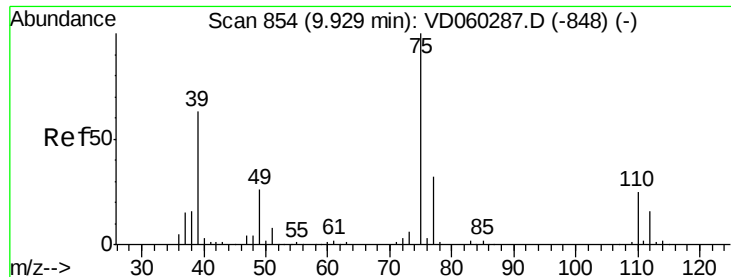
91 161.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 89.012 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

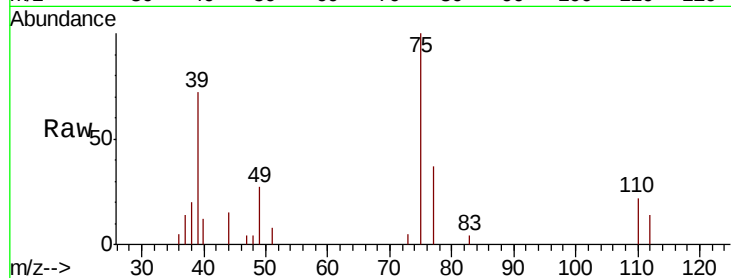
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 18654

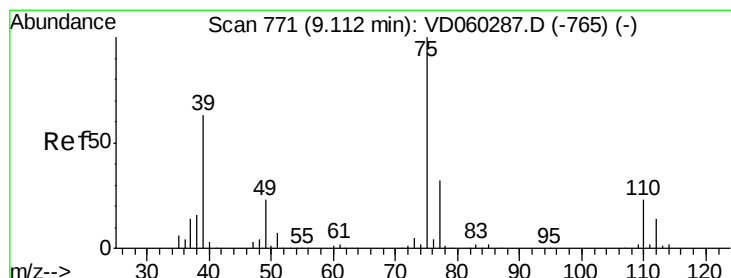
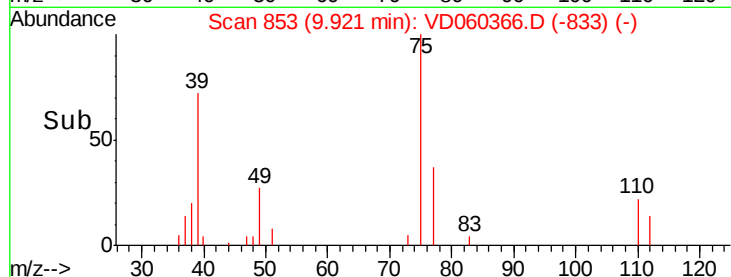
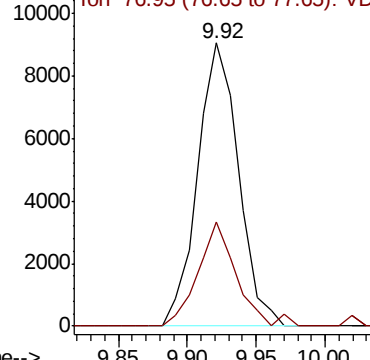
Ion Ratio Lower Upper

75 100

77 36.9 25.2 37.8



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



#54

cis-1,3-Dichloropropene

Concen: 75.903 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

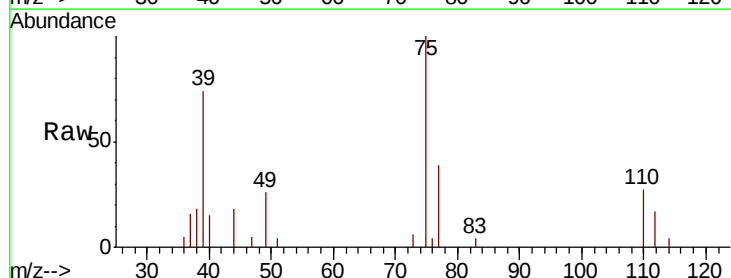
Tgt Ion: 75 Resp: 20402

Ion Ratio Lower Upper

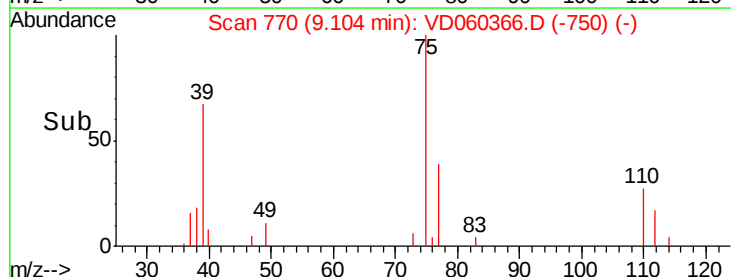
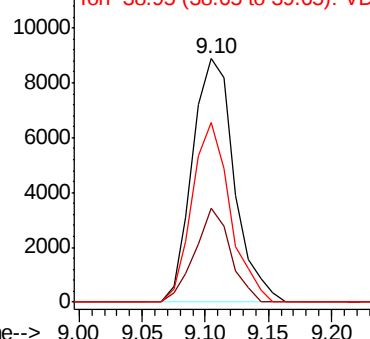
75 100

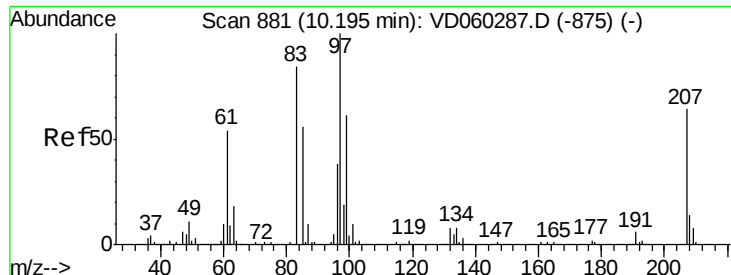
77 38.6 26.3 39.5

39 73.9 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC

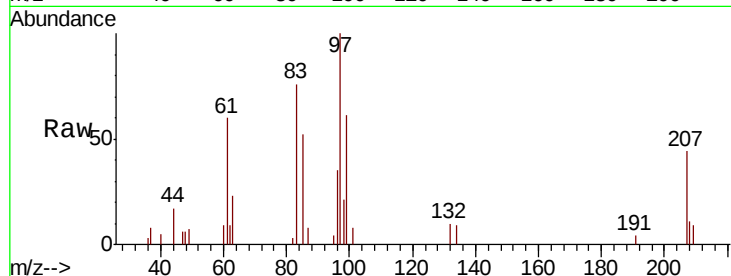




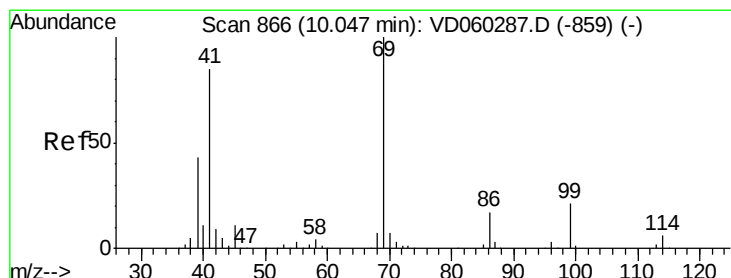
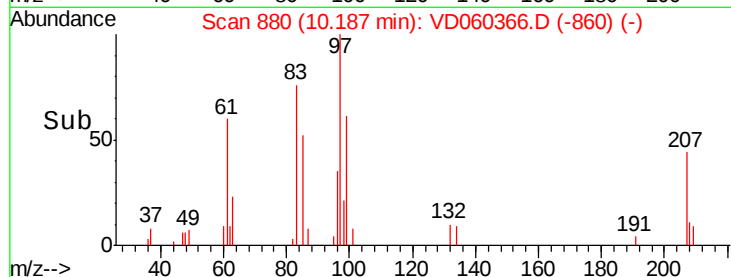
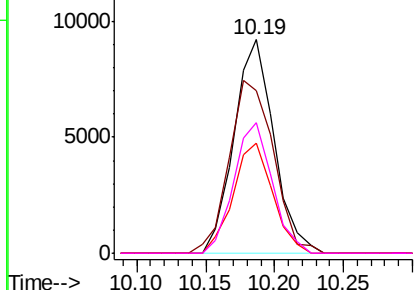
#55
 1,1,2-Trichloroethane
 Concen: 140.727 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 18566
 Ion Ratio Lower Upper
 97 100
 83 76.1 68.4 102.6
 85 51.5 46.8 70.2
 99 61.2 49.5 74.3

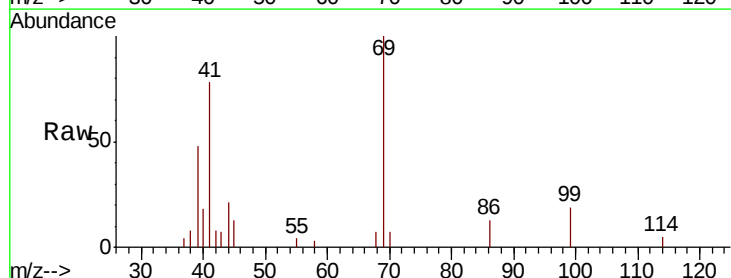


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

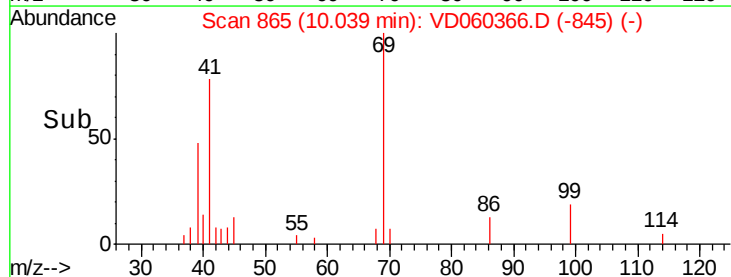
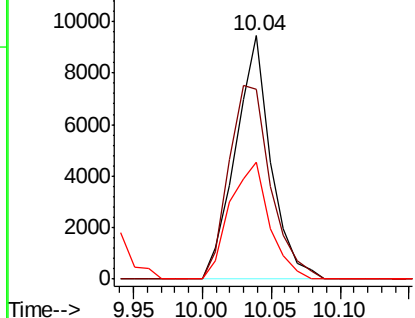


#56
 Ethyl methacrylate
 Concen: 139.824 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Tgt Ion: 69 Resp: 16961
 Ion Ratio Lower Upper
 69 100
 41 78.0 69.0 103.4
 39 47.8 36.6 54.8



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





#57

1,3-Dichloropropane

Concen: 138.128 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

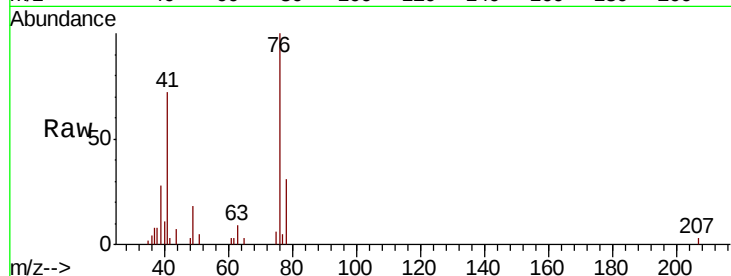
ClientSampleId :

Tot Ion: 76 Resp: 27768

Ion Ratio Lower Upper

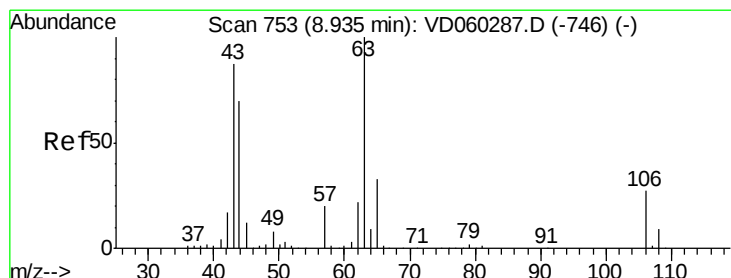
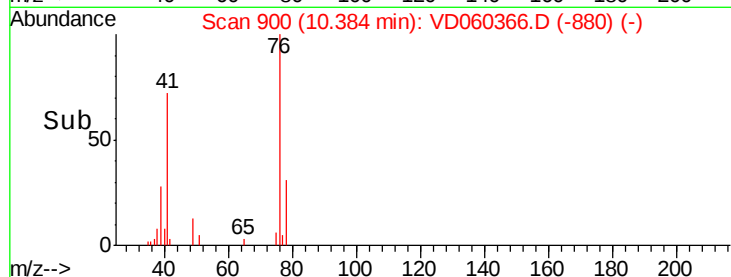
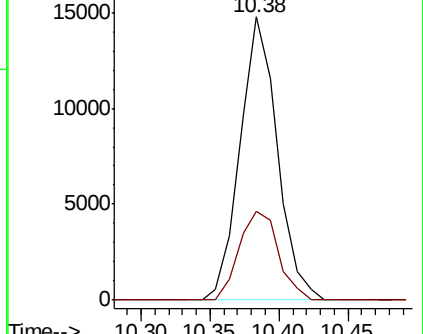
76 100

78 31.4 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 889.614 ug/l

RT: 8.93 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060366.D

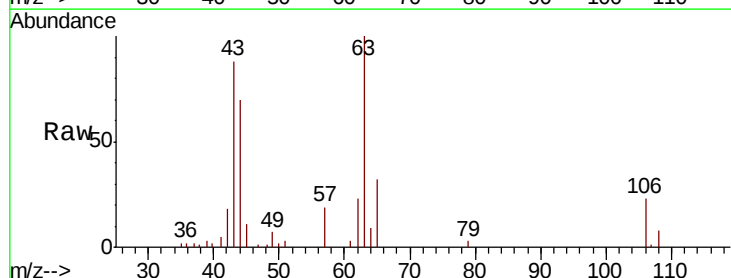
Acq: 13 Nov 2018 17:52

Tgt Ion: 63 Resp: 65249

Ion Ratio Lower Upper

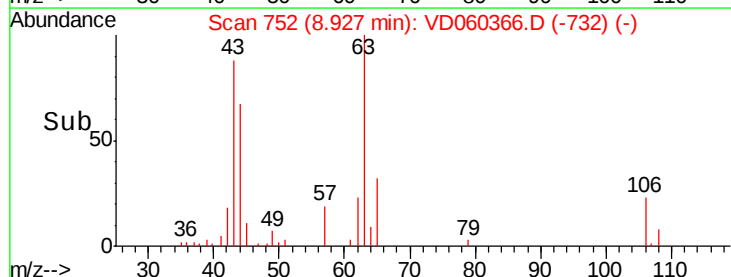
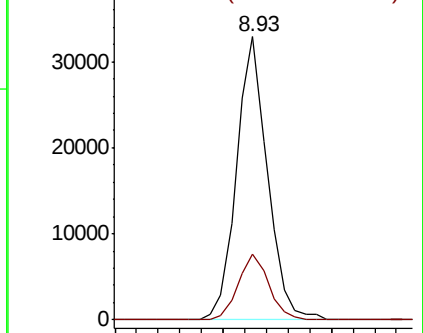
63 100

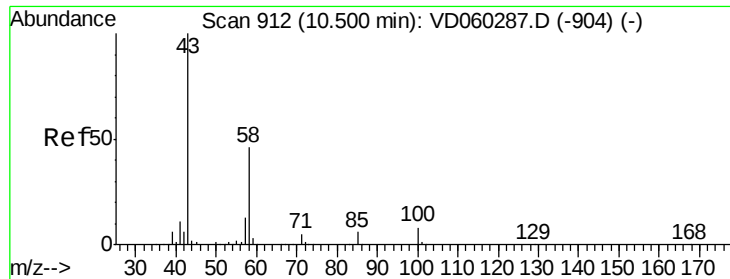
106 23.2 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

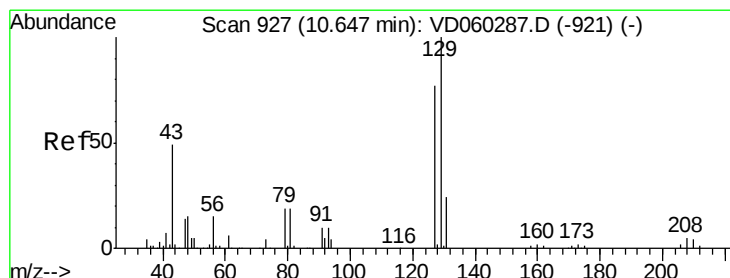
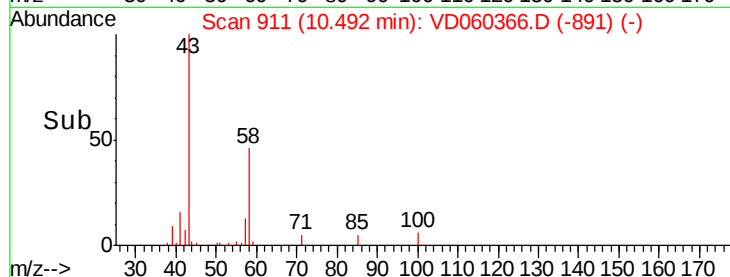
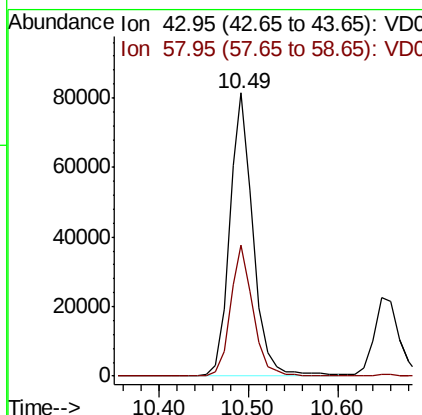
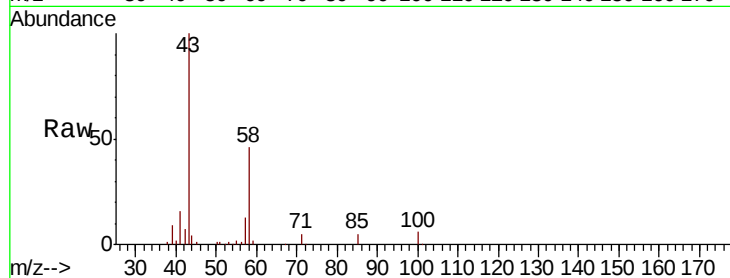




#59
2-Hexanone
Concen: 1992.483 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

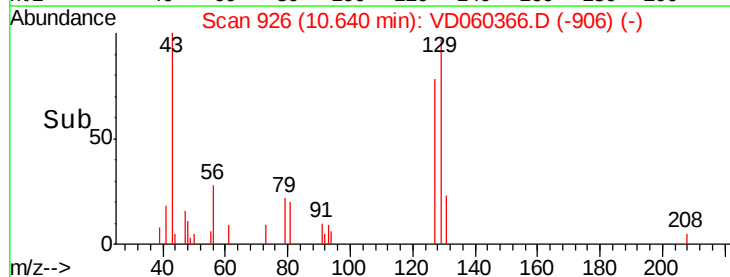
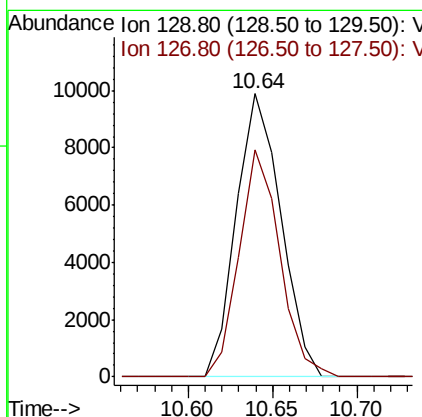
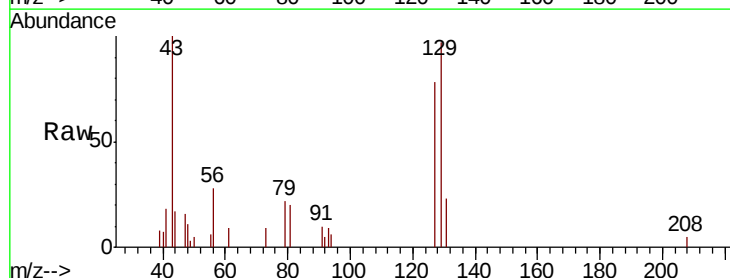
Instrument :
MSVOA_D
ClientSampleId :

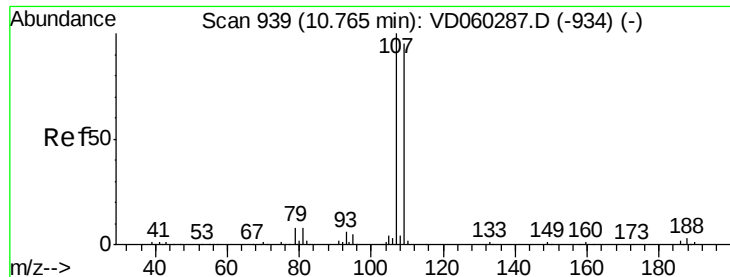
Tot Ion: 43 Resp: 149143
Ion Ratio Lower Upper
43 100
58 46.4 22.9 68.5



#60
Dibromochloromethane
Concen: 113.255 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion:129 Resp: 18163
Ion Ratio Lower Upper
129 100
127 80.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 155.493 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

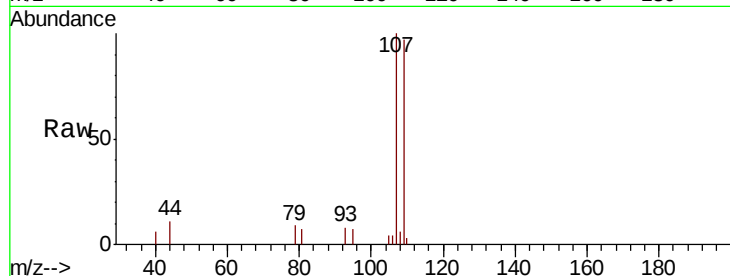
ClientSampleId :

Tot Ion:107 Resp: 20554

Ion Ratio Lower Upper

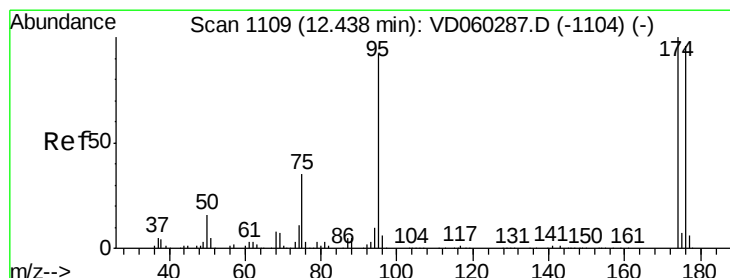
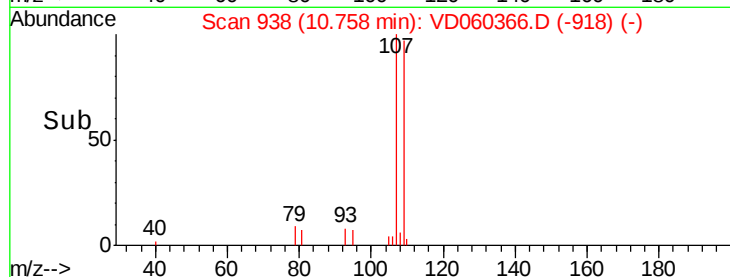
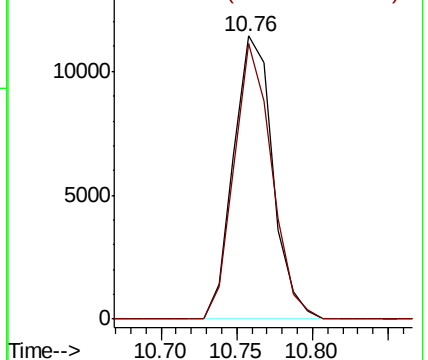
107 100

109 97.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 155.493 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

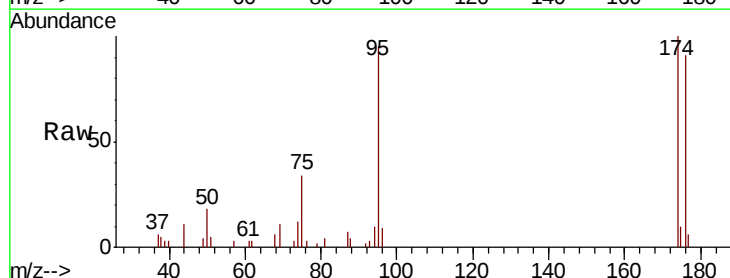
Tgt Ion: 95 Resp: 18038

Ion Ratio Lower Upper

95 100

174 105.4 0.0 160.8

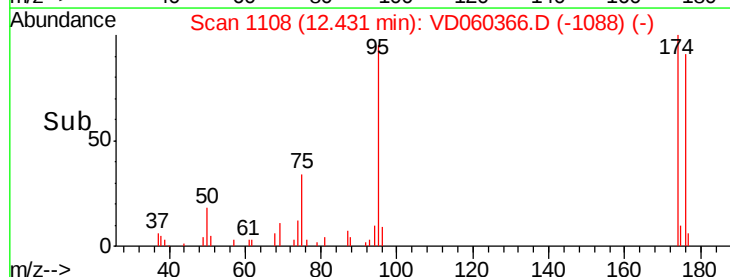
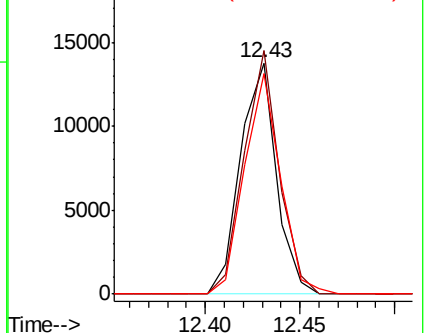
176 95.5 0.0 154.6

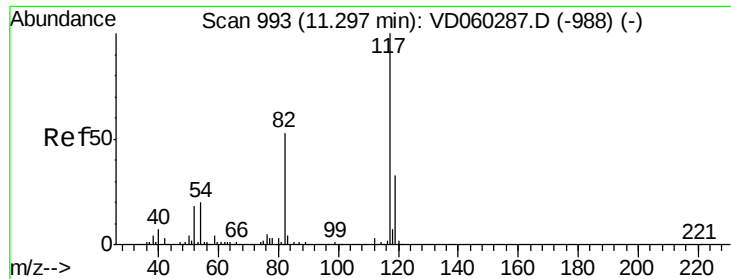


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

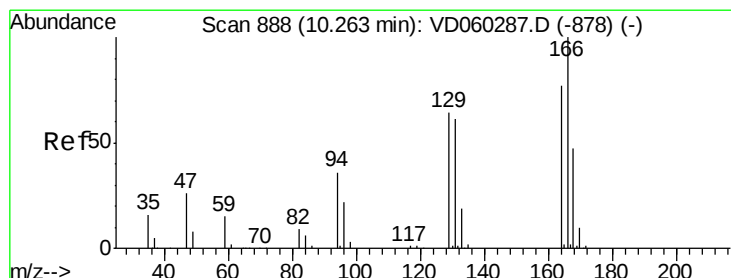
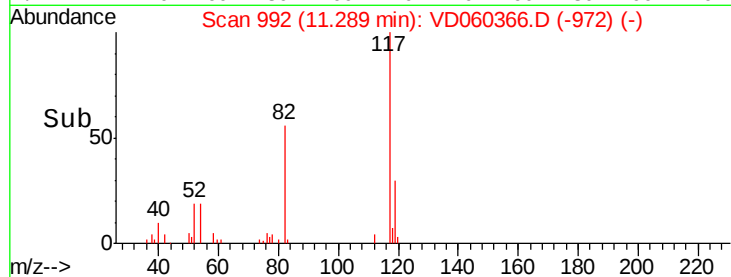
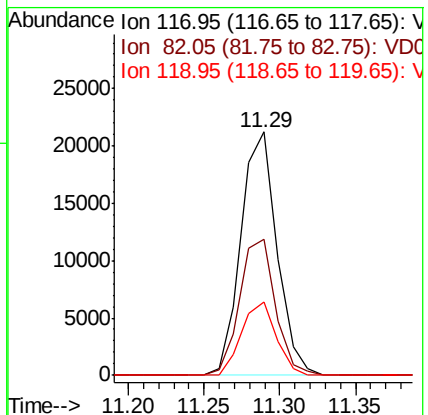
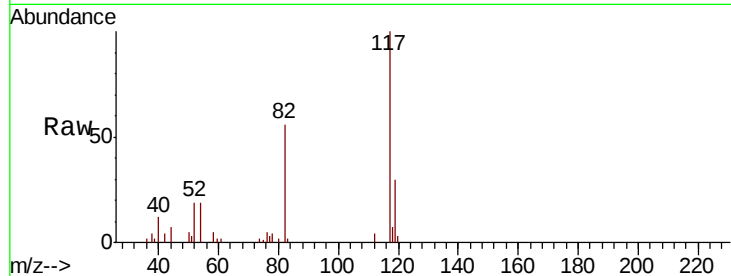




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

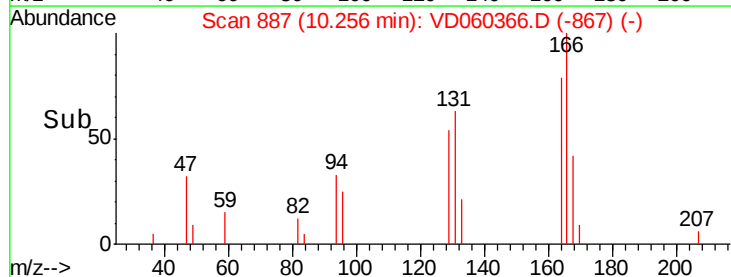
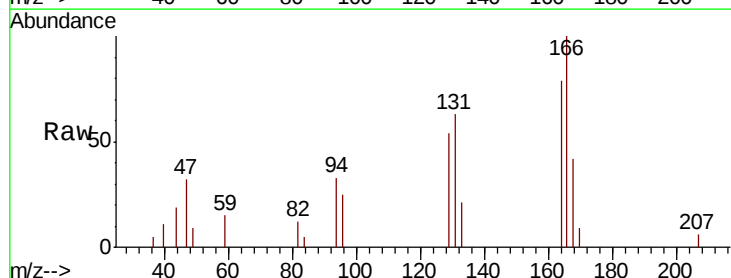
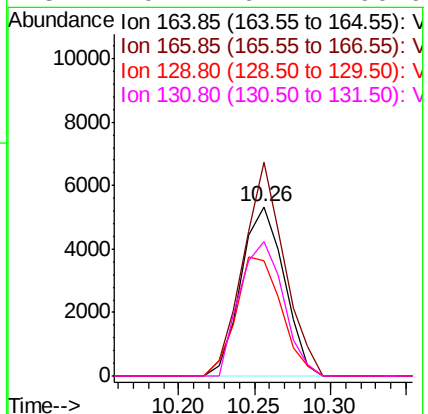
Instrument :
MSVOA_D
ClientSampleId :

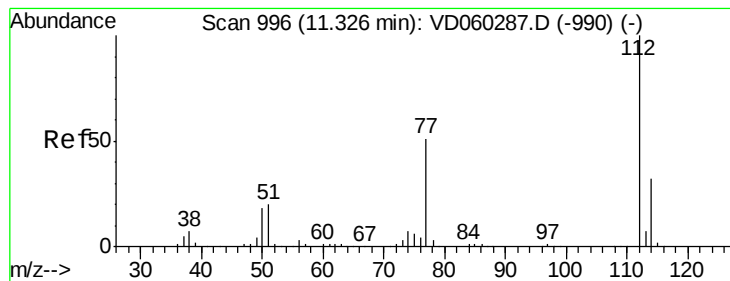
Tot Ion:117 Resp: 35064
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 30.2 26.1 39.1



#64
Tetrachloroethene
Concen: 33.728 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion:164 Resp: 10558
Ion Ratio Lower Upper
164 100
166 126.0 103.7 155.5
129 67.7 65.6 98.4
131 79.4 64.4 96.6





#65

Chlorobenzene

Concen: 42.220 ug/l

RT: 11.32 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

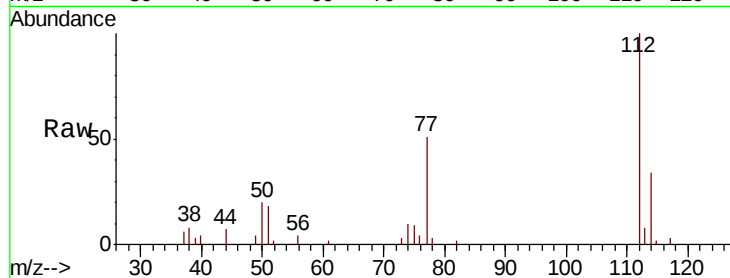
ClientSampleId :

Tot Ion:112 Resp: 32076

Ion Ratio Lower Upper

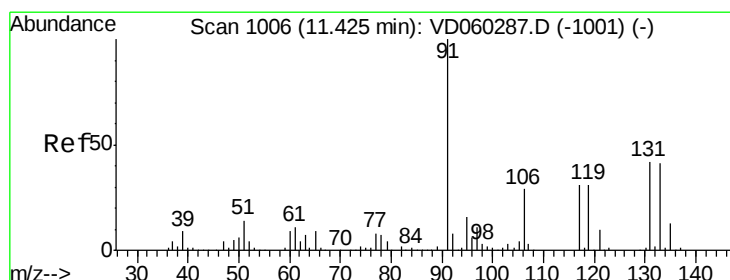
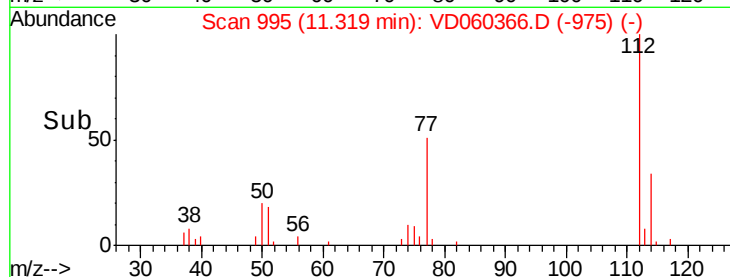
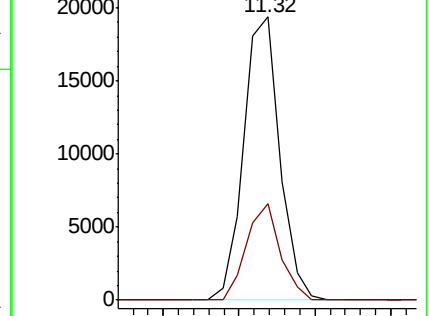
112 100

114 34.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.255 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

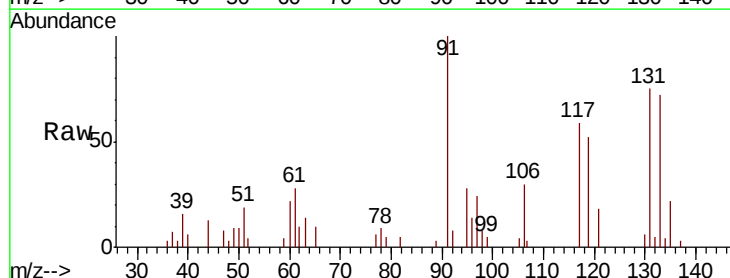
Tgt Ion:131 Resp: 13238

Ion Ratio Lower Upper

131 100

133 95.4 50.0 150.0

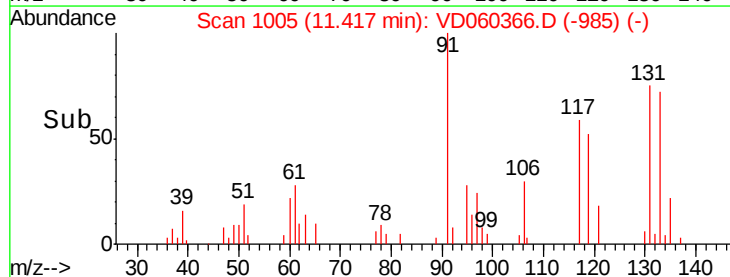
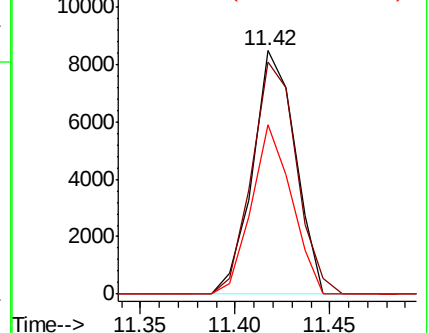
119 69.6 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

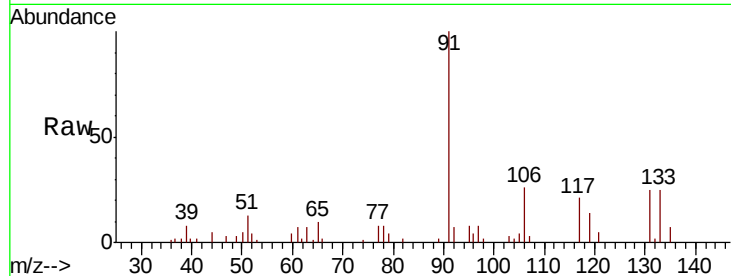




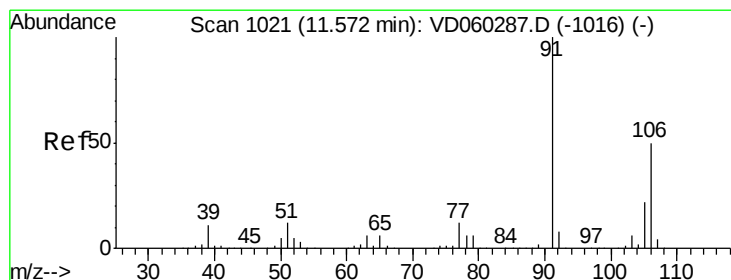
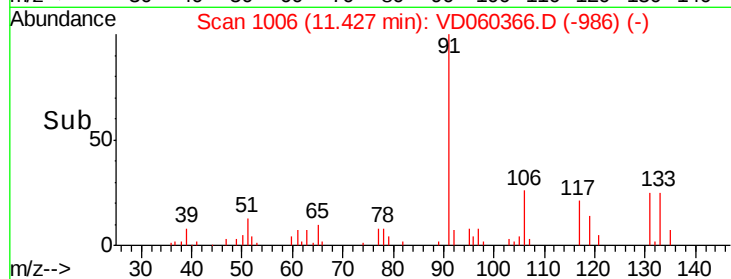
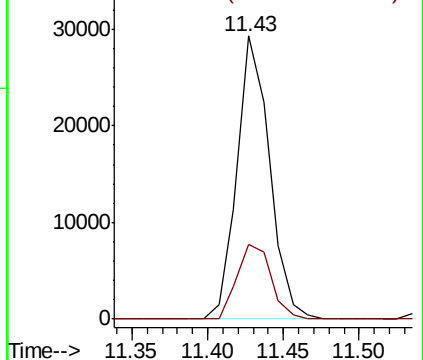
#67
Ethyl Benzene
Concen: 33.637 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 43716
Ion Ratio Lower Upper
91 100
106 26.4 24.6 36.8

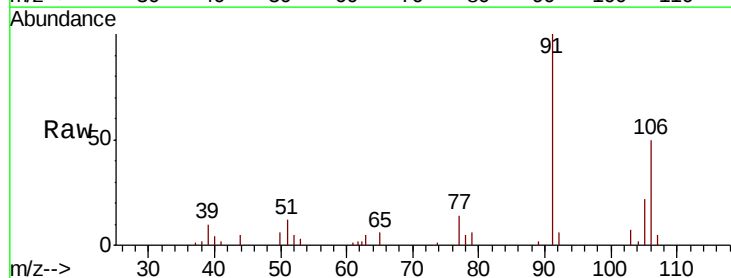


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

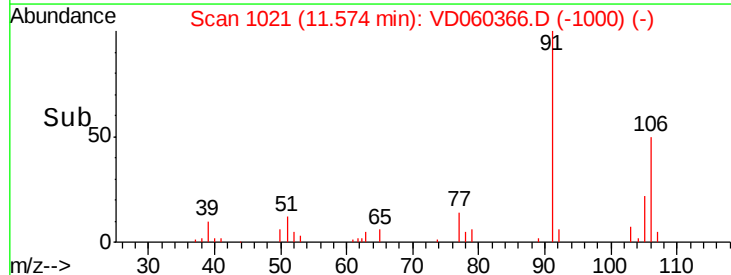
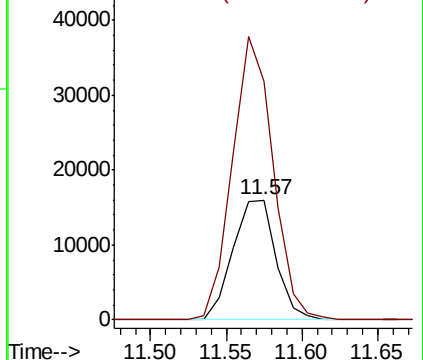


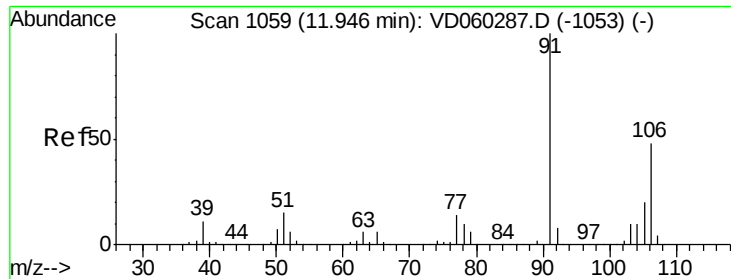
#68
m/p-Xylenes
Concen: 65.905 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 106 Resp: 31596
Ion Ratio Lower Upper
106 100
91 198.7 159.4 239.2



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

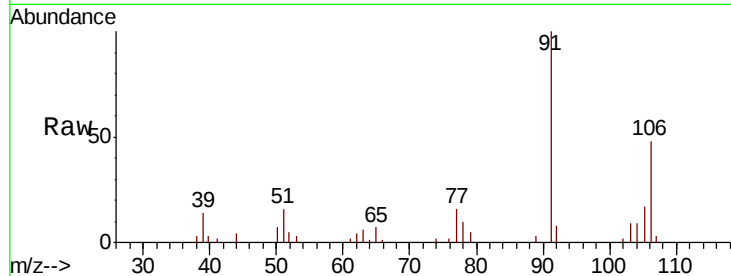




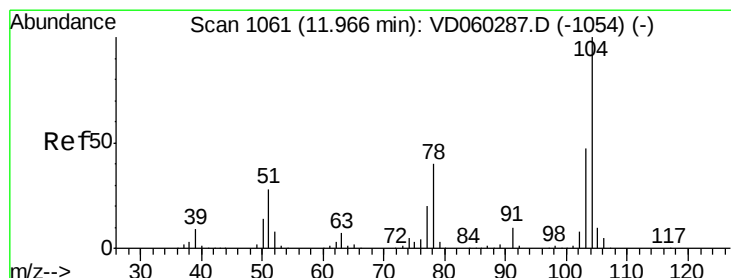
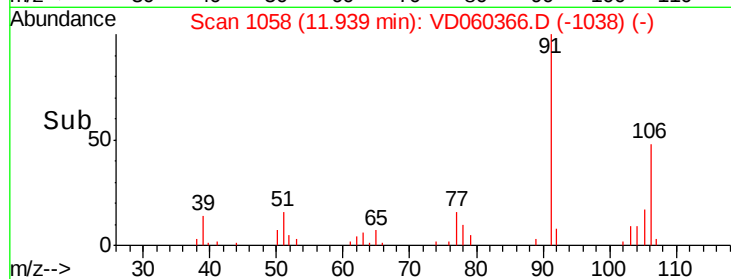
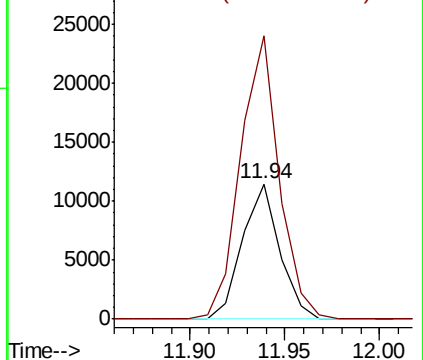
#69
o-Xylene
Concen: 33.708 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 15612
Ion Ratio Lower Upper
106 100
91 209.6 109.2 327.6

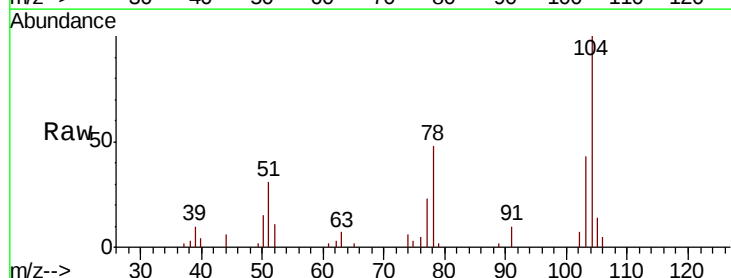


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

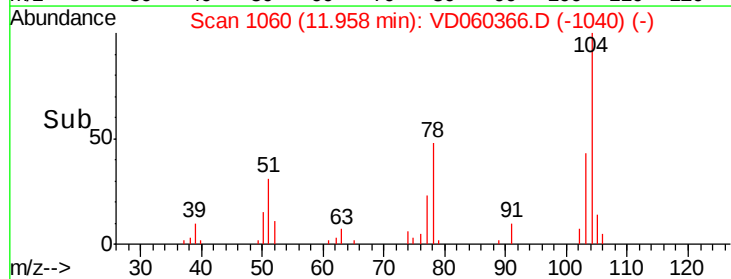
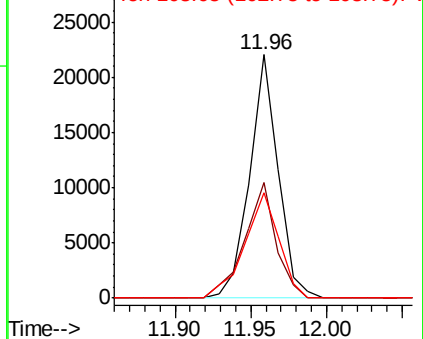


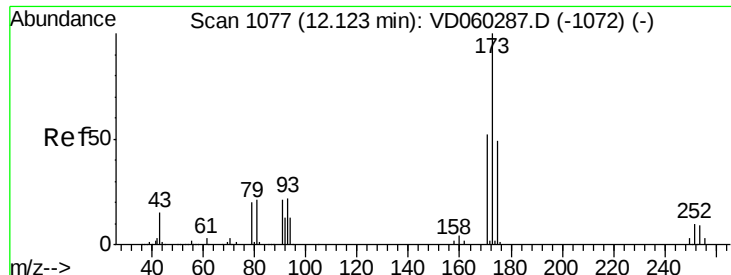
#70
Styrene
Concen: 38.638 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion:104 Resp: 28921
Ion Ratio Lower Upper
104 100
78 47.7 31.6 47.4#
103 43.5 37.0 55.6



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





#71

Bromoform

Concen: 101.222 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

ClientSampleId :

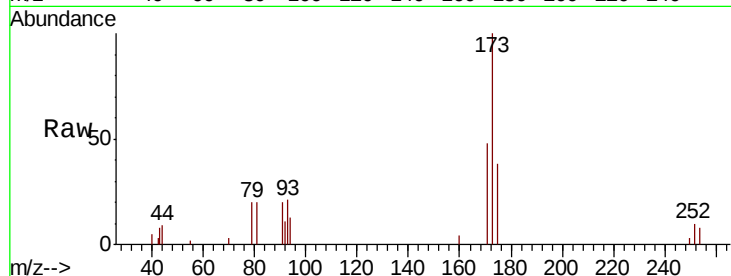
Tot Ion:173 Resp: 16908

Ion Ratio Lower Upper

173 100

175 37.5 24.3 73.0

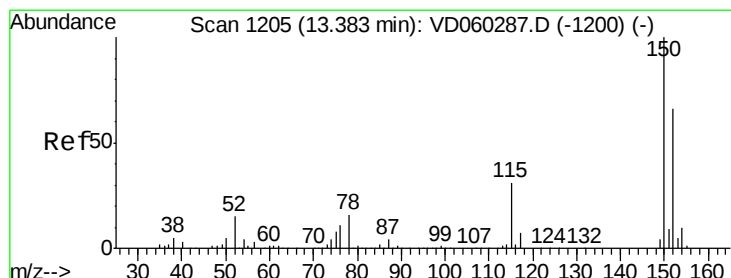
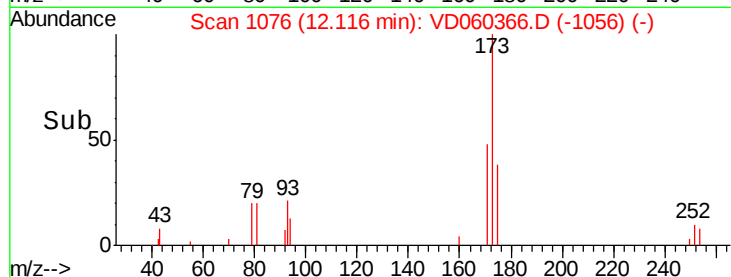
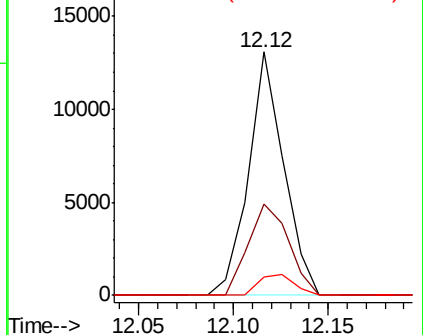
254 7.6 8.3 12.5#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

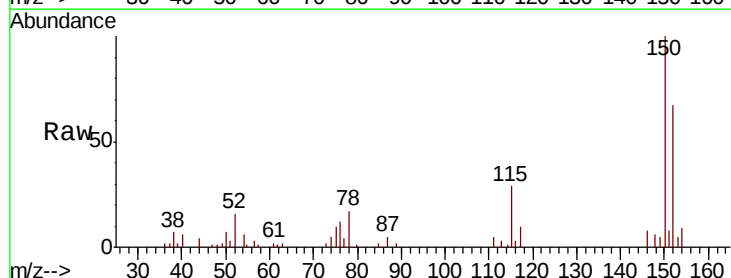
Tgt Ion:152 Resp: 20496

Ion Ratio Lower Upper

152 100

115 43.0 24.1 72.3

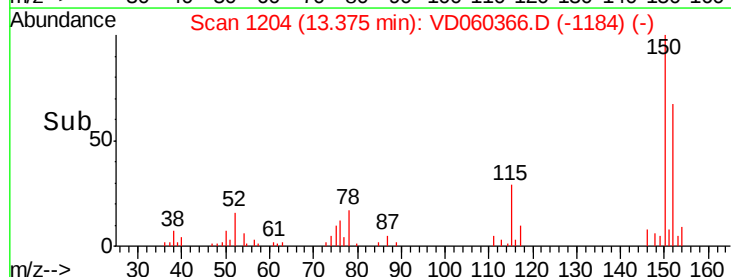
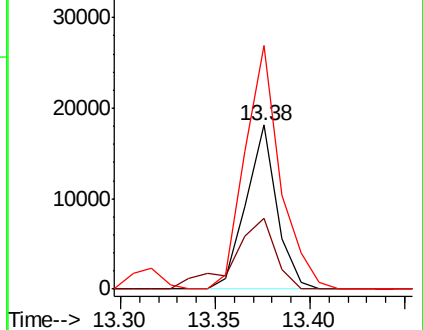
150 148.6 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.832 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

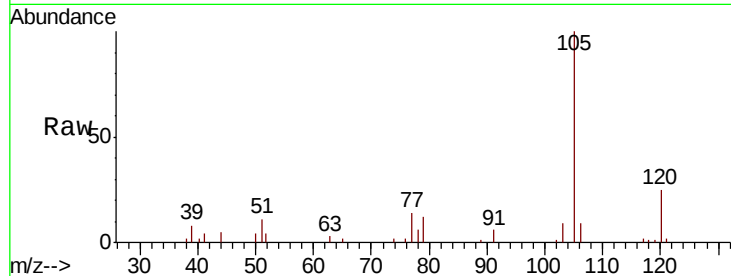
ClientSampleId :

Tot Ion:105 Resp: 37081

Ion Ratio Lower Upper

105 100

120 24.9 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

25000

20000

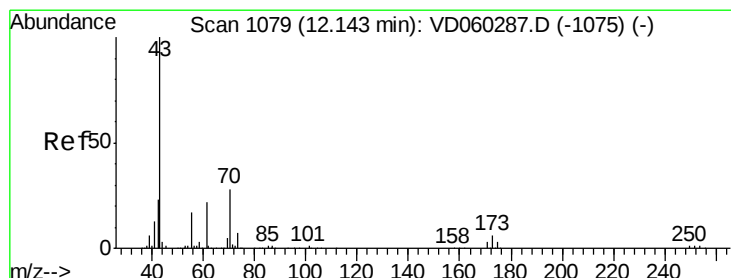
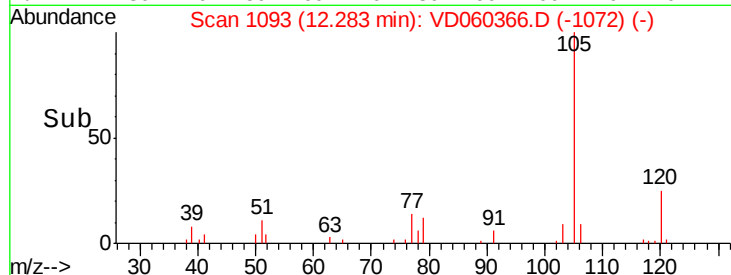
15000

10000

5000

0

Time--> 12.20 12.25 12.30 12.35



#74

N-ethyl acetate

Concen: 96.211 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Tgt Ion: 43 Resp: 36834

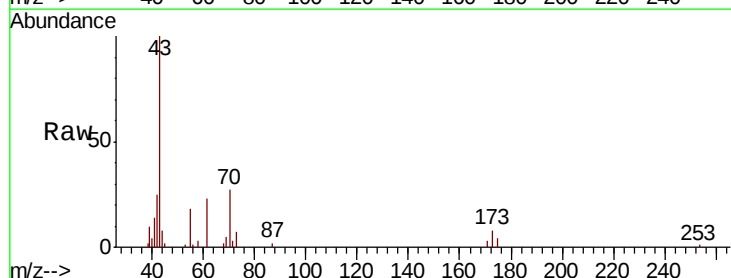
Ion Ratio Lower Upper

43 100

70 27.3 23.0 34.4

55 17.6 14.2 21.4

61 22.8 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

40000

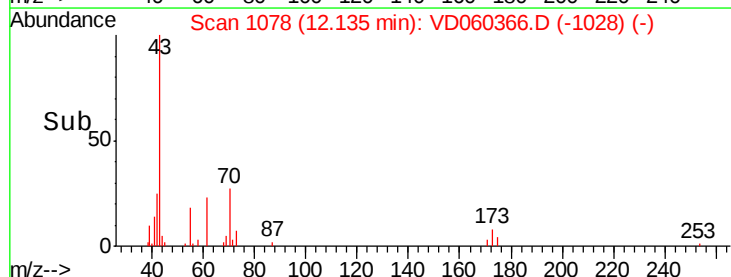
30000

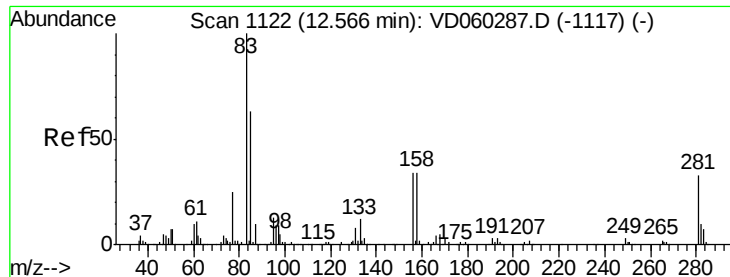
20000

10000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 147.270 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

ClientSampleId :

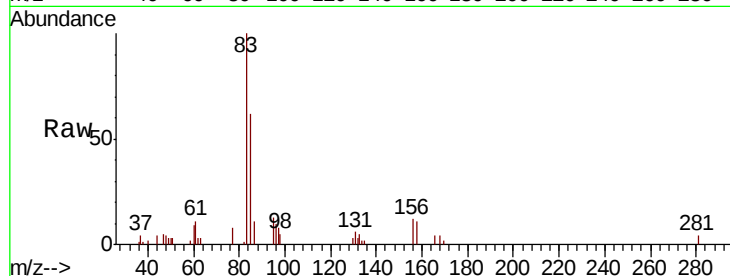
Tot Ion: 83 Resp: 35966

Ion Ratio Lower Upper

83 100

131 6.2 3.9 11.5

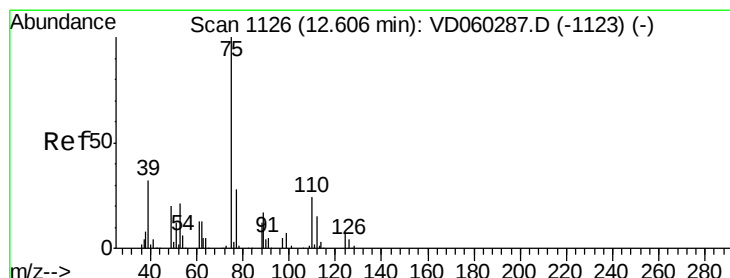
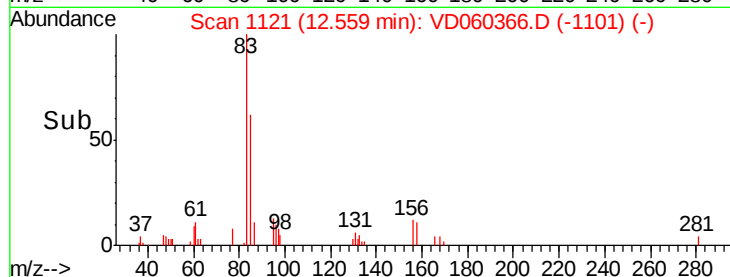
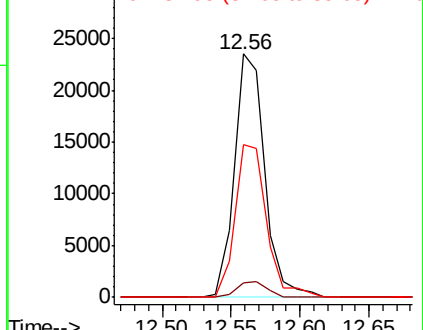
85 62.5 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 138.257 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060366.D

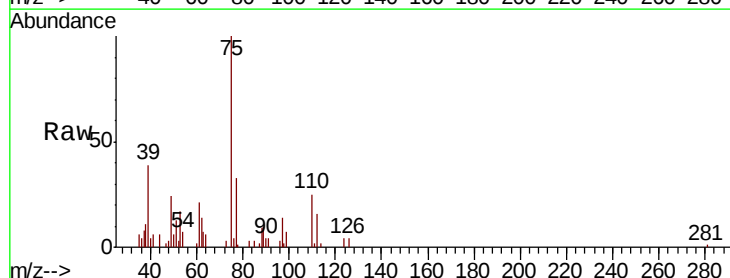
Acq: 13 Nov 2018 17:52

Tgt Ion: 75 Resp: 33898

Ion Ratio Lower Upper

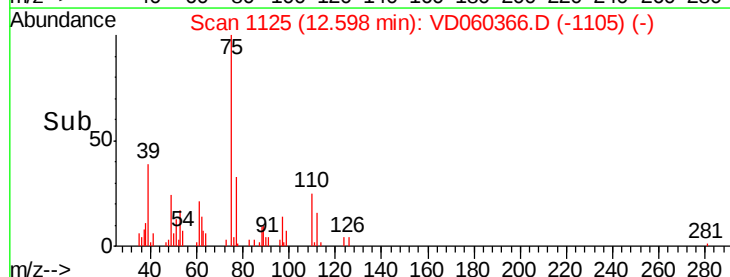
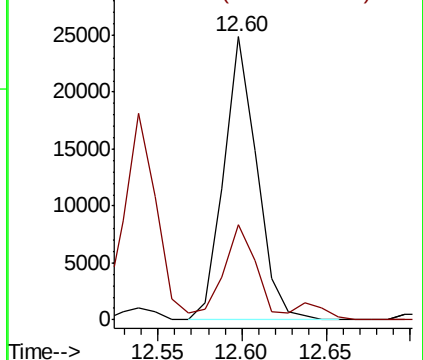
75 100

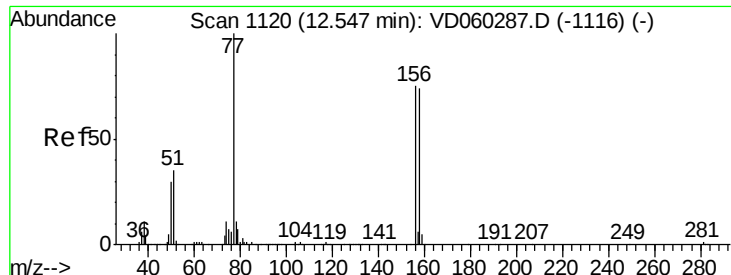
77 33.5 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.513 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

ClientSampleId :

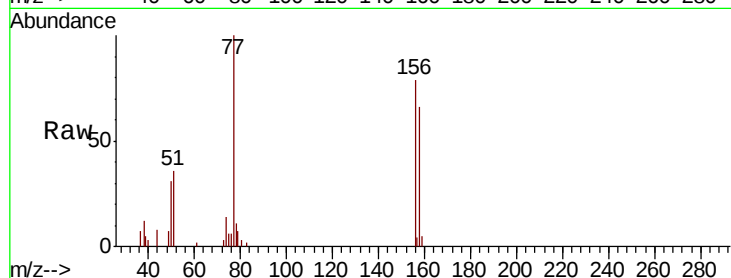
Tot Ion:156 Resp: 19243

Ion Ratio Lower Upper

156 100

77 126.0 61.2 183.6

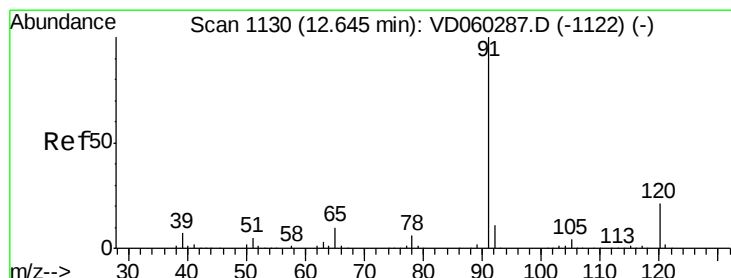
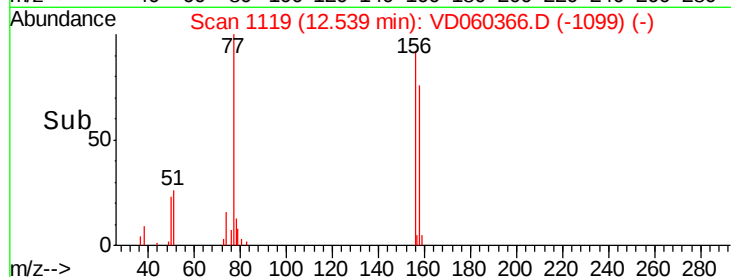
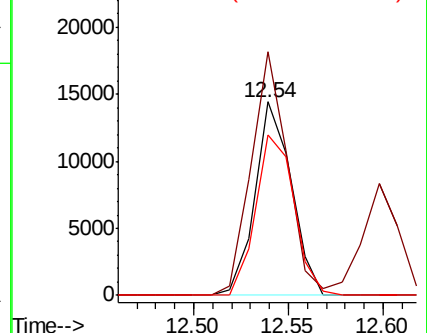
158 83.1 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 25.993 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060366.D

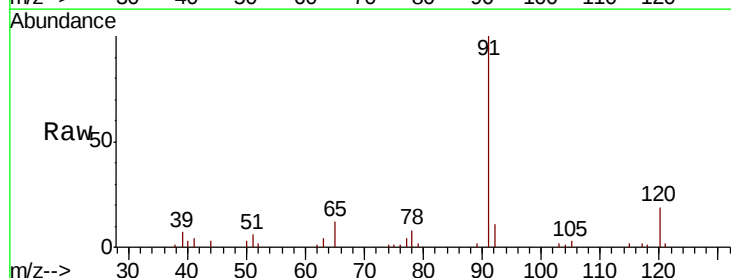
Acq: 13 Nov 2018 17:52

Tgt Ion: 91 Resp: 48448

Ion Ratio Lower Upper

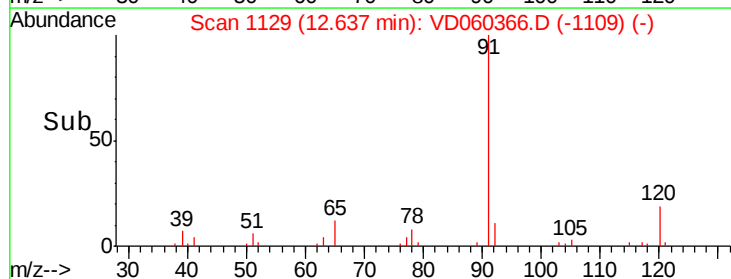
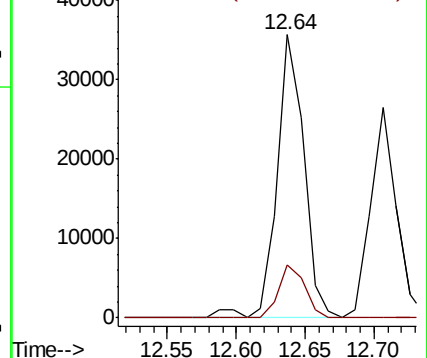
91 100

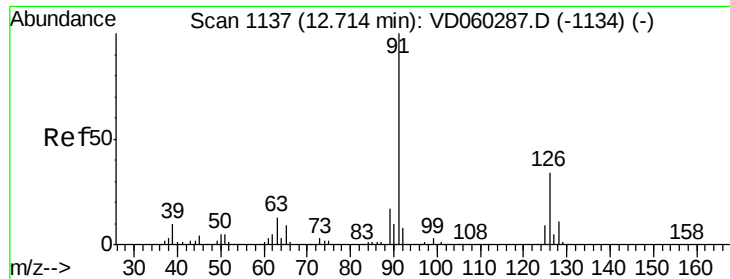
120 18.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

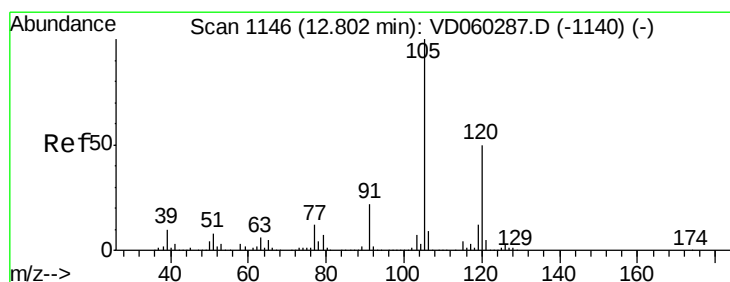
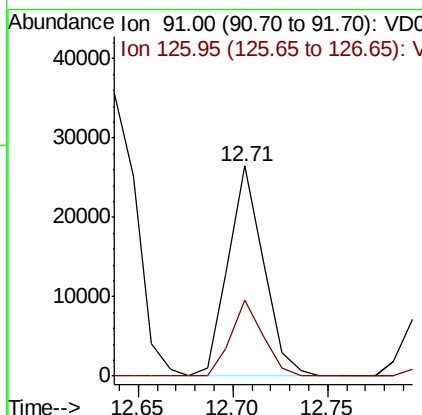
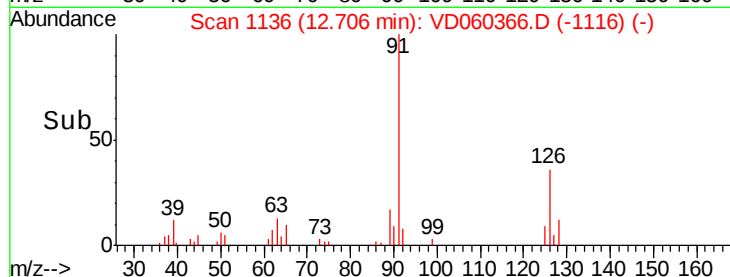
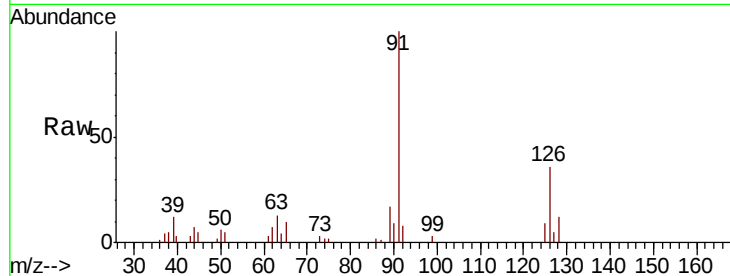




#79
2-Chlorotoluene
Concen: 33.495 ug/l
RT: 12.71 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

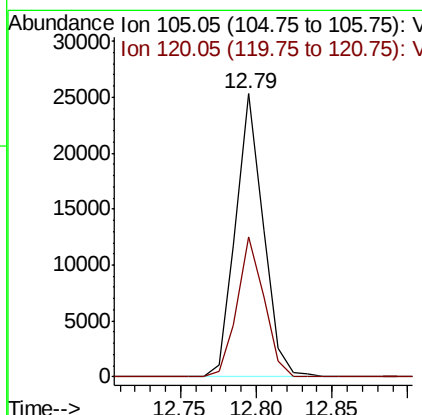
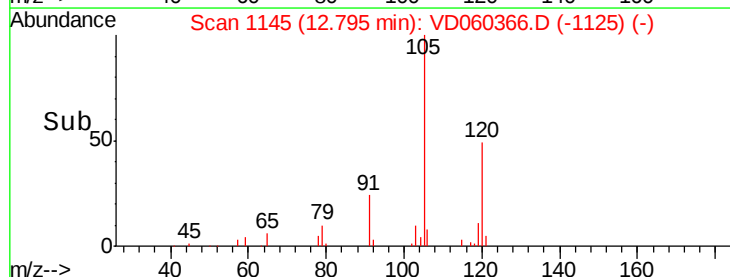
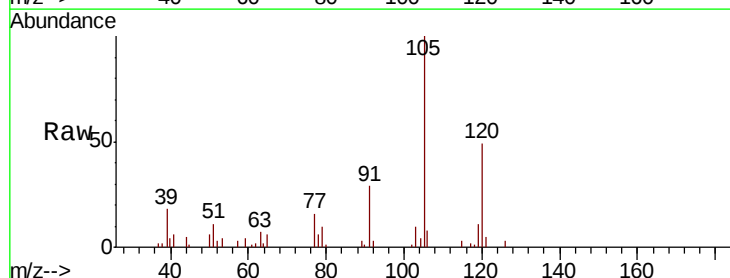
Instrument :
MSVOA_D
ClientSampleId :

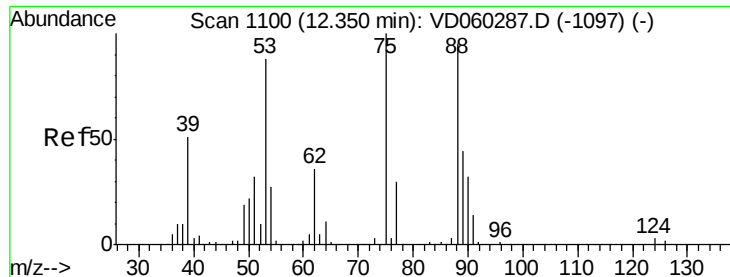
Tot Ion: 91 Resp: 34193
Ion Ratio Lower Upper
91 100
126 36.3 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 27.728 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 105 Resp: 32179
Ion Ratio Lower Upper
105 100
120 49.4 24.4 73.4

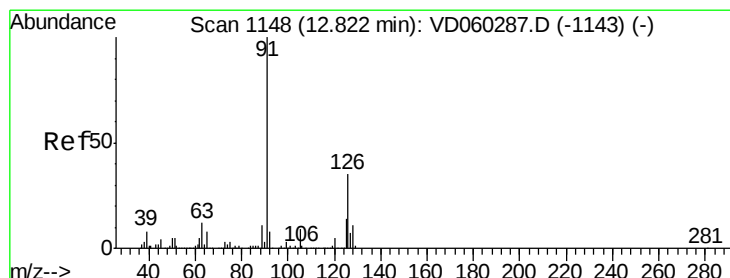
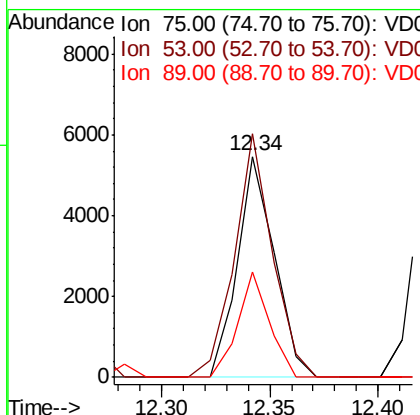
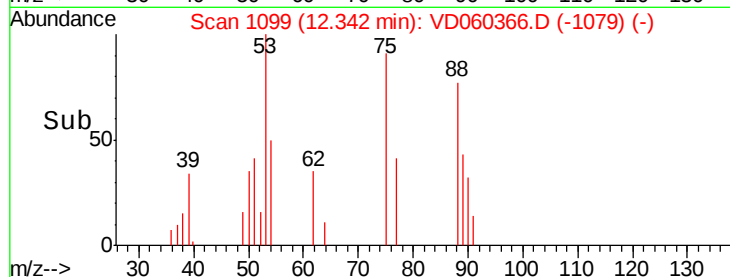
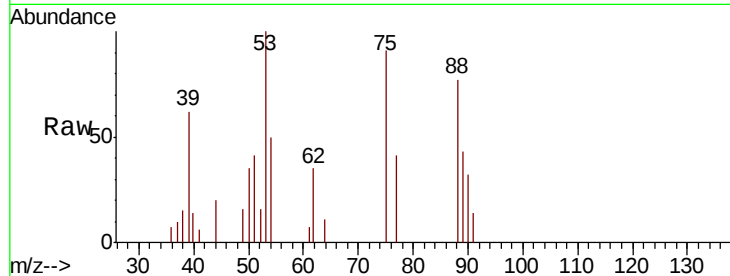




#81
trans-1,4-Dichloro-2-butene
Concen: 93.106 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

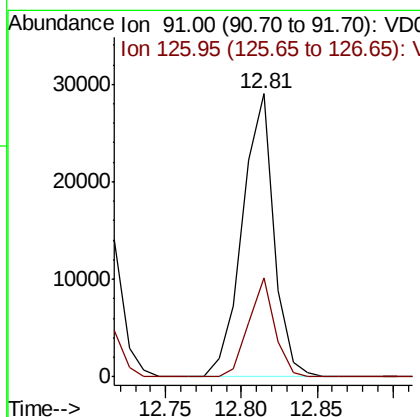
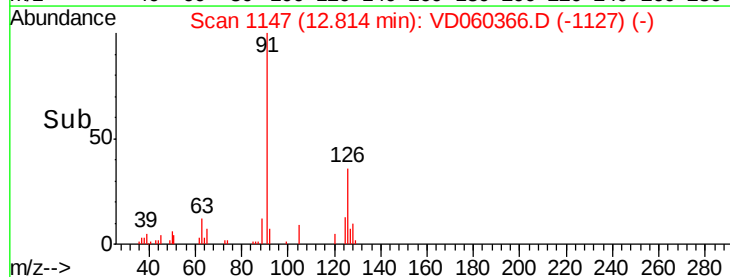
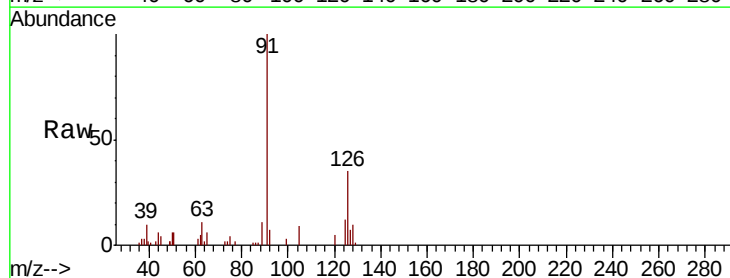
Instrument :
MSVOA_D
ClientSampled :

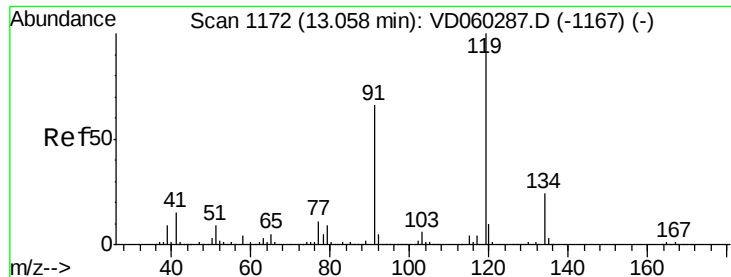
Tot Ion: 75 Resp: 6499
Ion Ratio Lower Upper
75 100
53 110.1 68.6 103.0#
89 47.7 34.1 51.1



#82
4-Chlorotoluene
Concen: 36.599 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 91 Resp: 41969
Ion Ratio Lower Upper
91 100
126 34.8 14.8 44.4

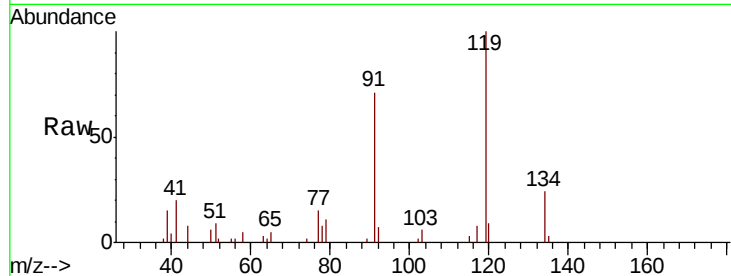




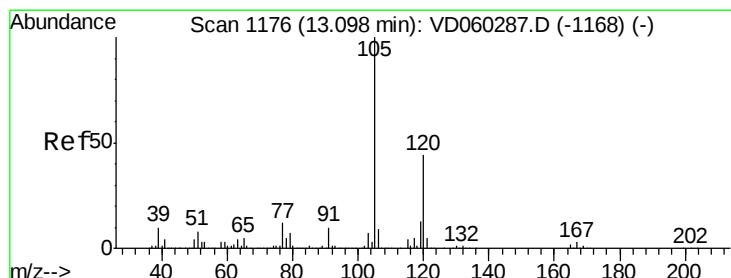
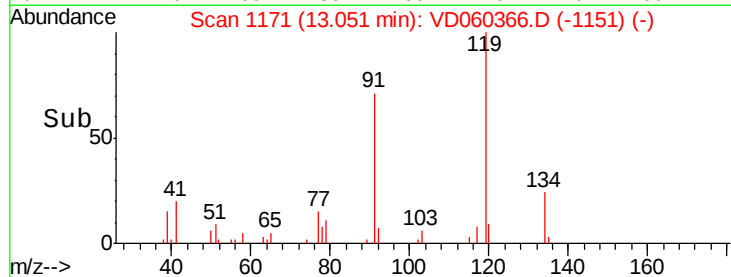
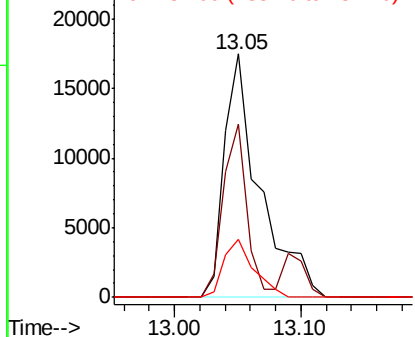
#83
tert-Butylbenzene
Concen: 26.493 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 34134
Ion Ratio Lower Upper
119 100
91 71.2 32.7 98.1
134 23.6 12.1 36.3

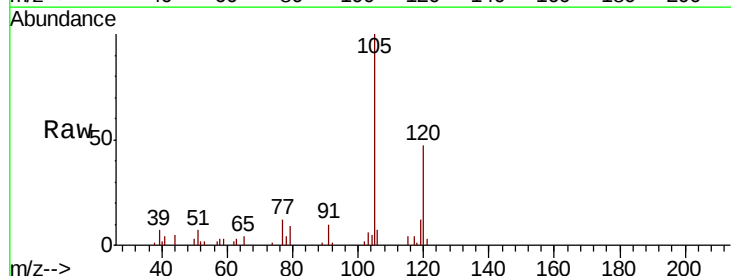


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

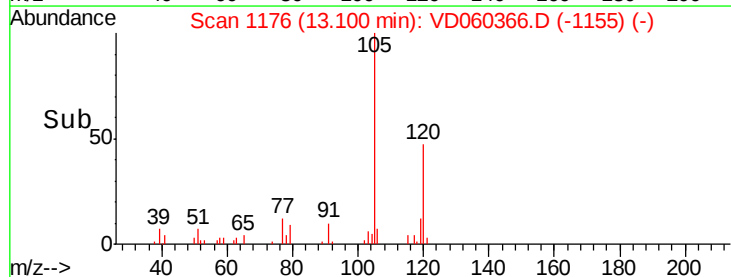
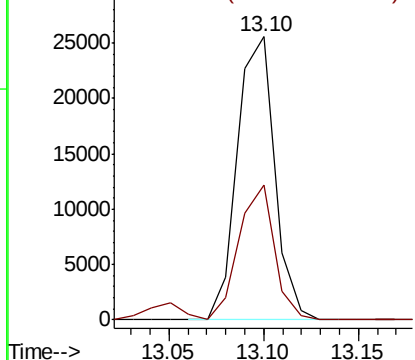


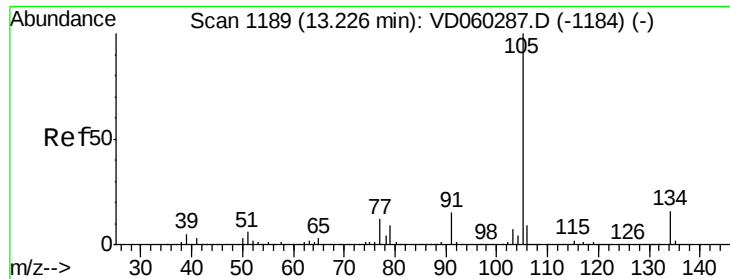
#84
1,2,4-Trimethylbenzene
Concen: 30.059 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion:105 Resp: 34839
Ion Ratio Lower Upper
105 100
120 47.5 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 21.334 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

Instrument :

MSVOA_D

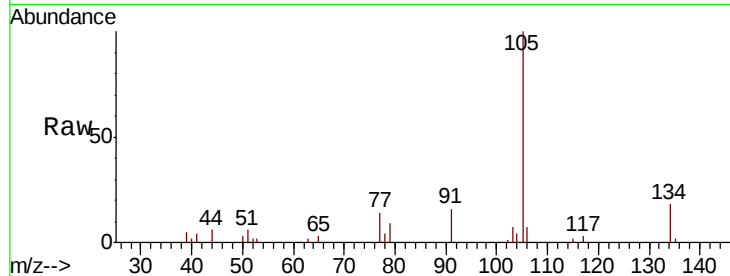
ClientSampled :

Tot Ion:105 Resp: 33723

Ion Ratio Lower Upper

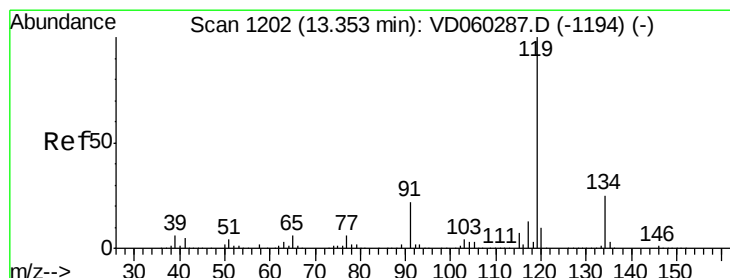
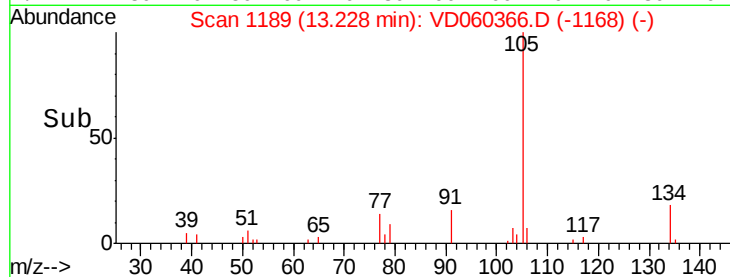
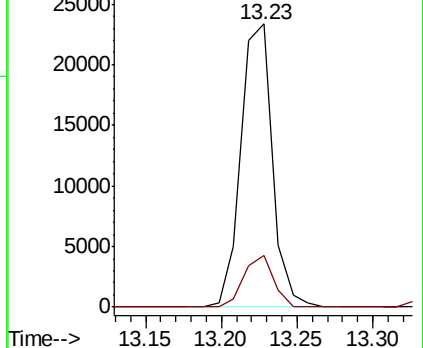
105 100

134 18.4 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.031 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060366.D

Acq: 13 Nov 2018 17:52

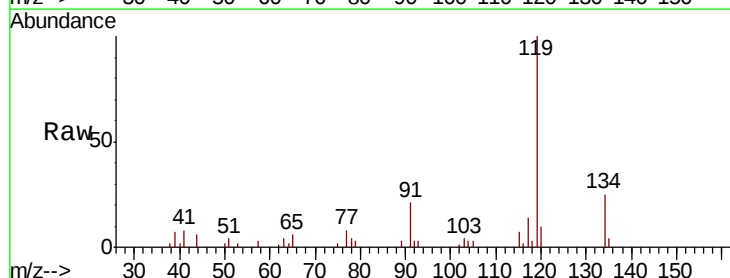
Tgt Ion:119 Resp: 29318

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.6

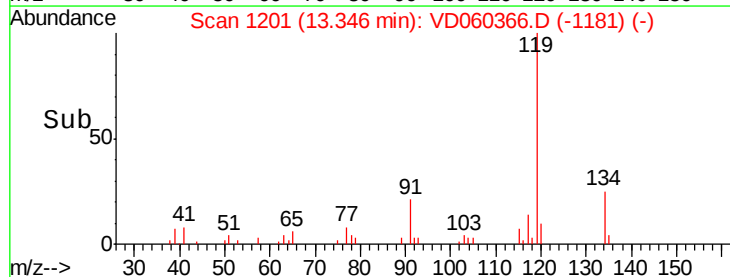
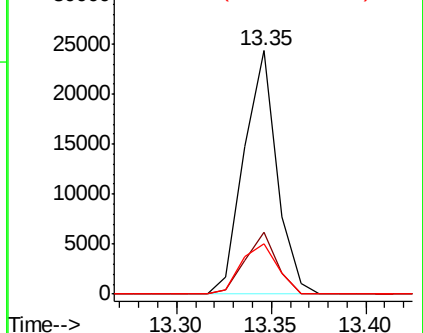
91 20.8 11.3 33.8



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

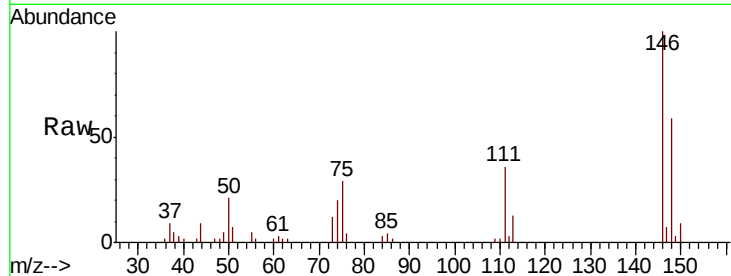




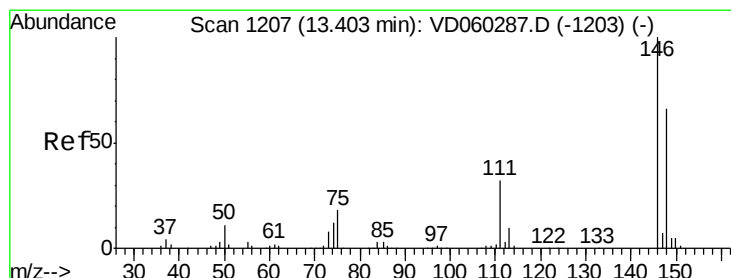
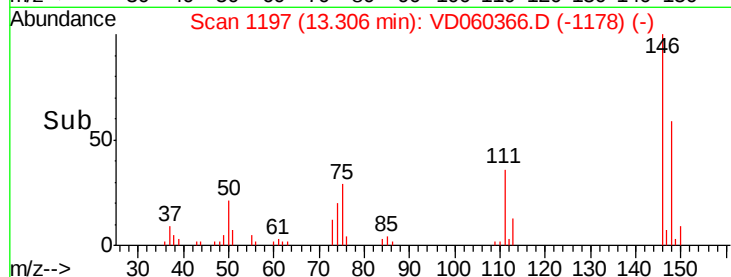
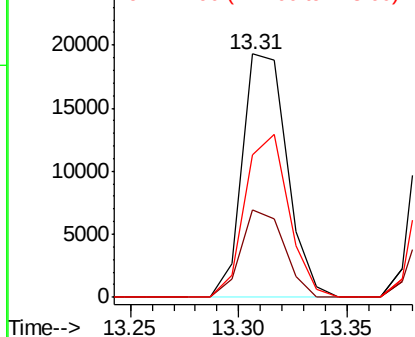
#87
 1,3-Dichlorobenzene
 Concen: 39.216 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 27675
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 58.6 32.0 96.0

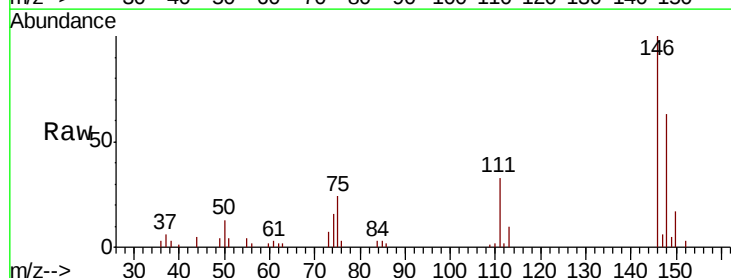


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

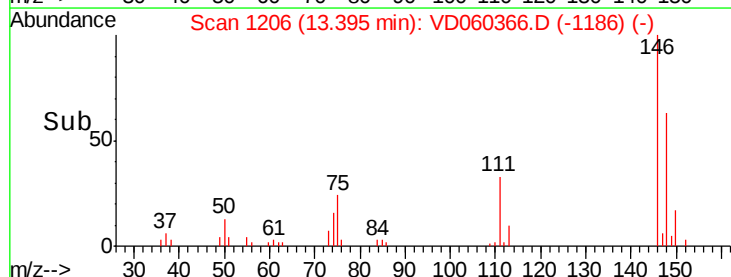
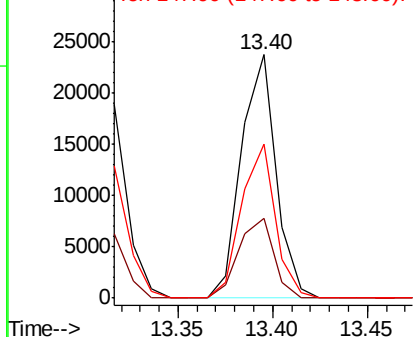


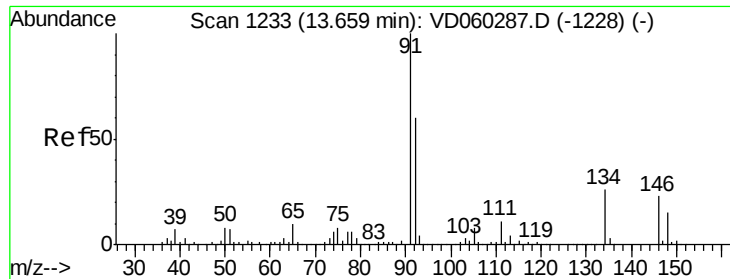
#88
 1,4-Dichlorobenzene
 Concen: 43.538 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Tgt Ion:146 Resp: 30007
 Ion Ratio Lower Upper
 146 100
 111 32.7 16.0 47.9
 148 63.1 32.9 98.7



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

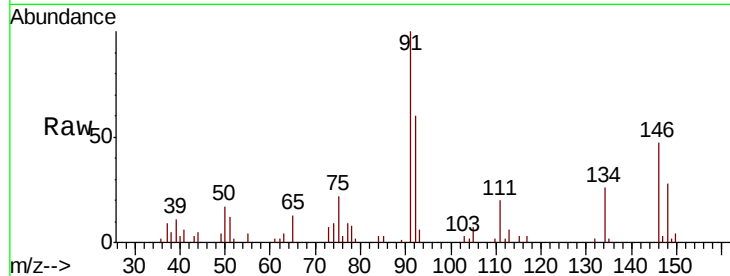




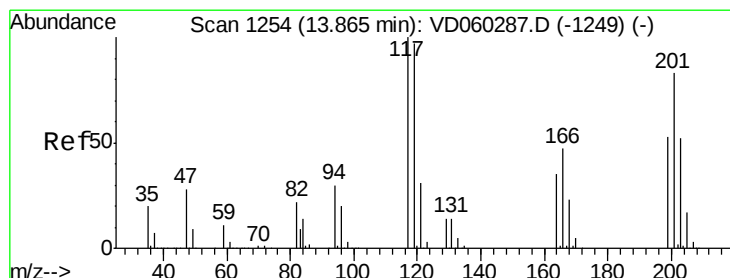
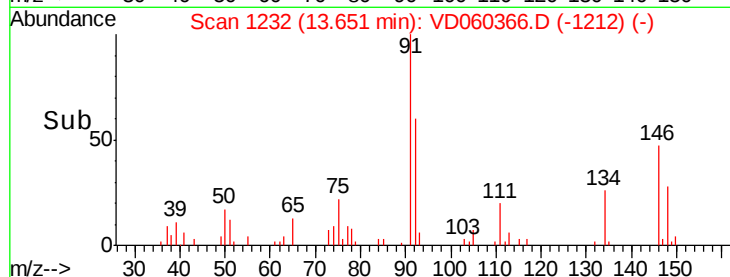
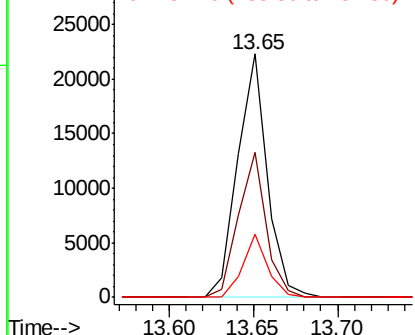
#89
n-Butylbenzene
Concen: 19.325 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 27159
Ion Ratio Lower Upper
91 100
92 59.5 30.3 90.9
134 25.9 13.0 38.9

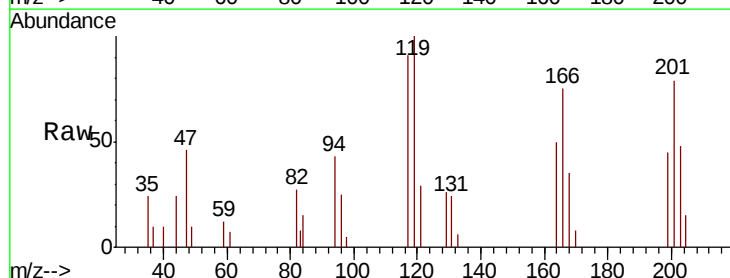


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

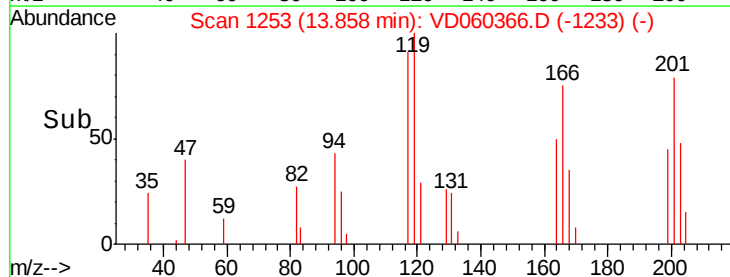
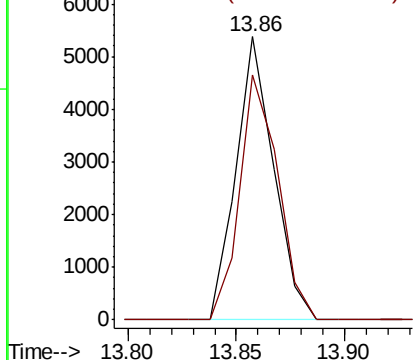


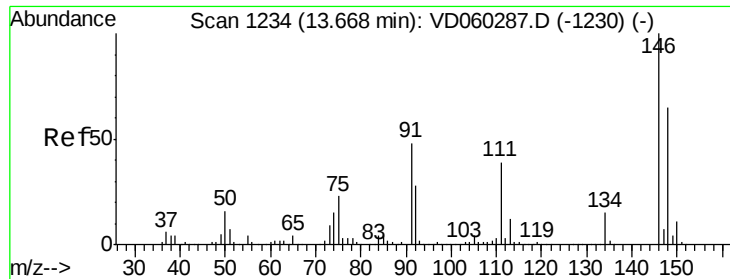
#90
Hexachloroethane
Concen: 21.729 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion: 117 Resp: 6559
Ion Ratio Lower Upper
117 100
201 86.5 40.1 120.3



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

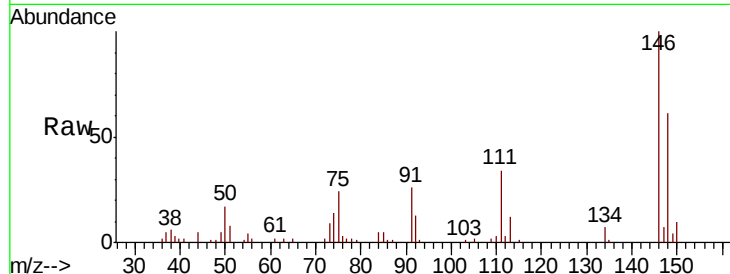




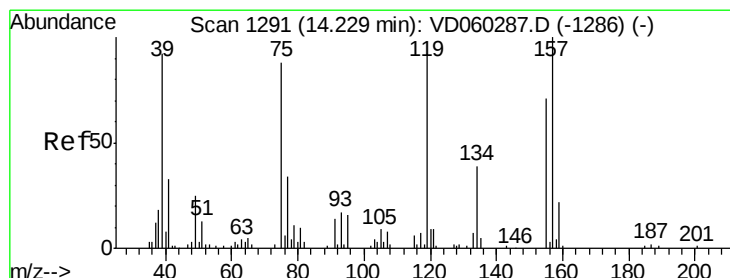
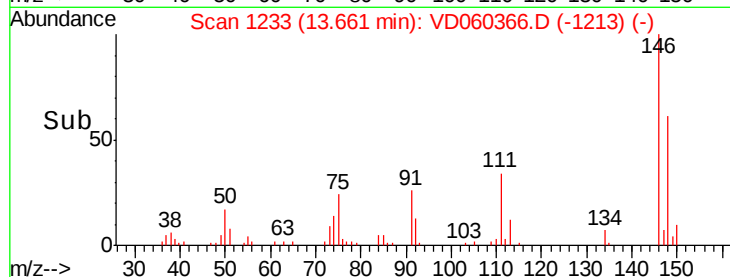
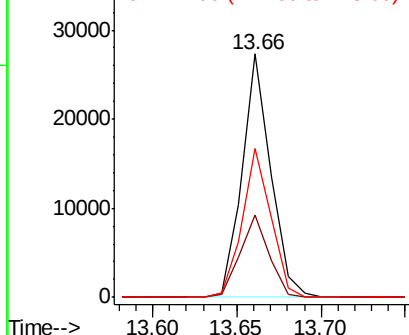
#91
 1,2-Dichlorobenzene
 Concen: 55.525 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 32185
 Ion Ratio Lower Upper
 146 100
 111 33.9 18.9 56.9
 148 61.3 31.6 94.8

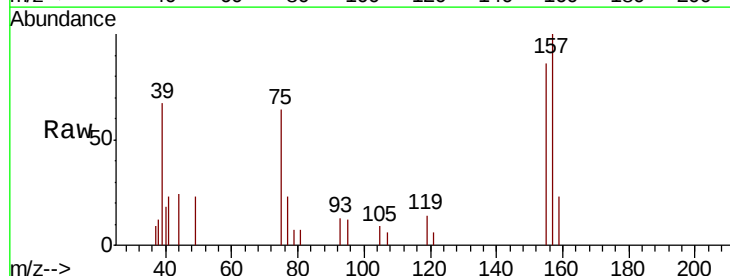


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

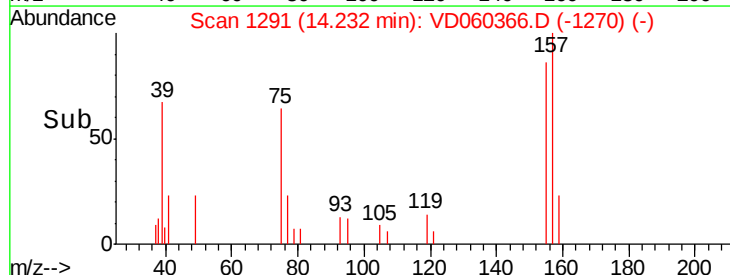
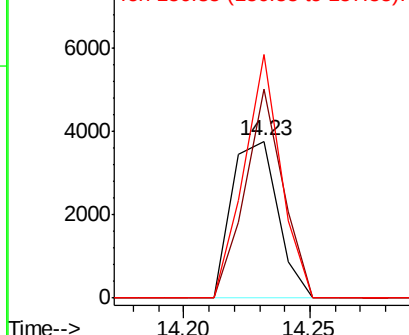


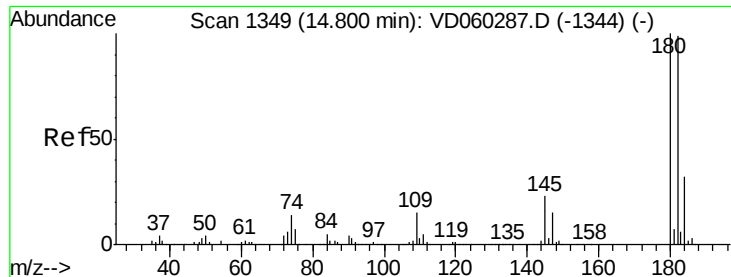
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 162.348 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Tgt Ion: 75 Resp: 4786
 Ion Ratio Lower Upper
 75 100
 155 133.4 64.3 192.9
 157 155.5 81.0 243.1



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

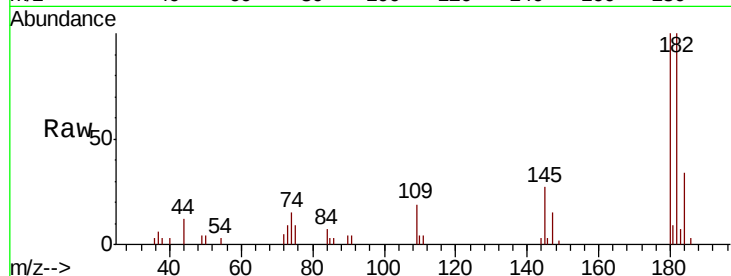




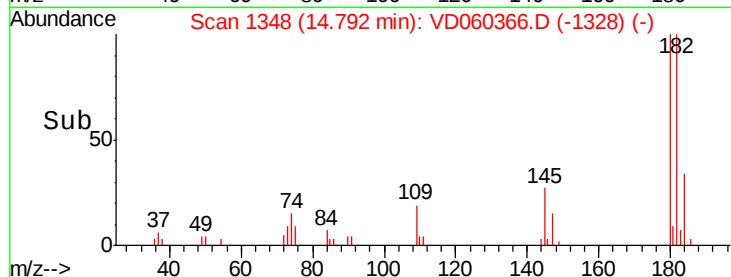
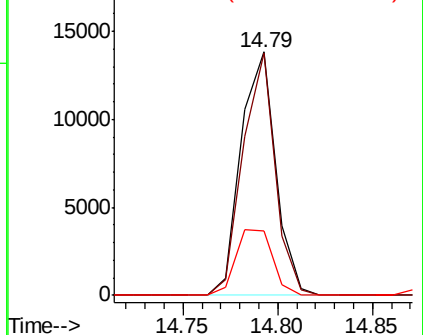
#93
 1,2,4-Trichlorobenzene
 Concen: 38.172 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 17543
 Ion Ratio Lower Upper
 180 100
 182 99.6 48.1 144.4
 145 26.7 11.5 34.4

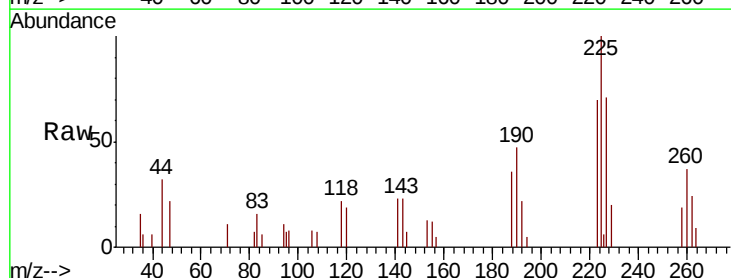


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

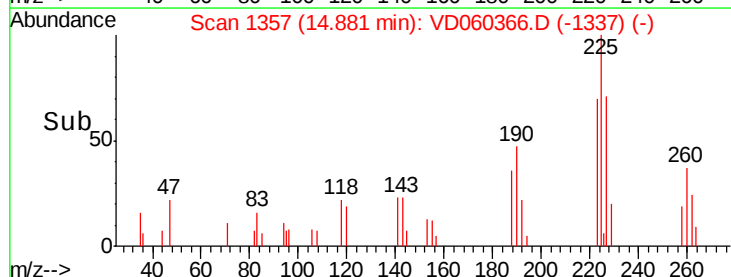
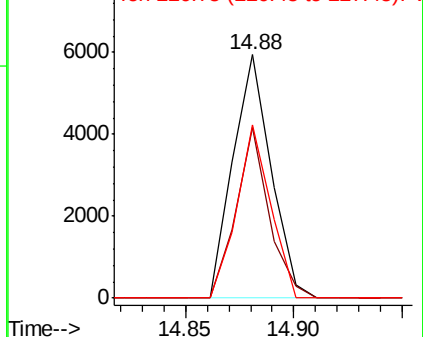


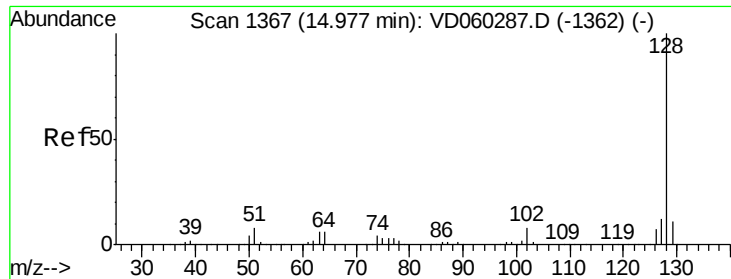
#94
 Hexachlorobutadiene
 Concen: 21.128 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060366.D
 Acq: 13 Nov 2018 17:52

Tgt Ion:225 Resp: 7263
 Ion Ratio Lower Upper
 225 100
 223 69.9 31.6 94.8
 227 71.4 32.3 96.9



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

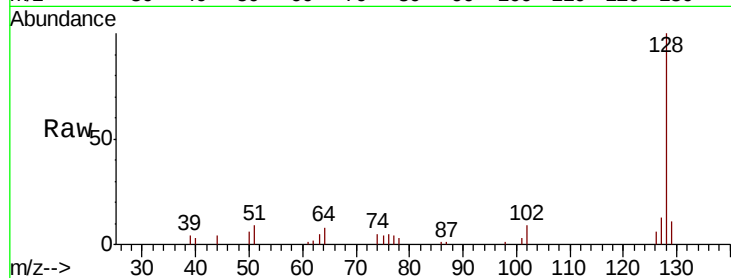




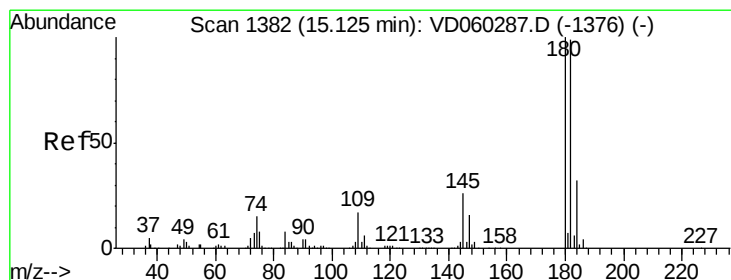
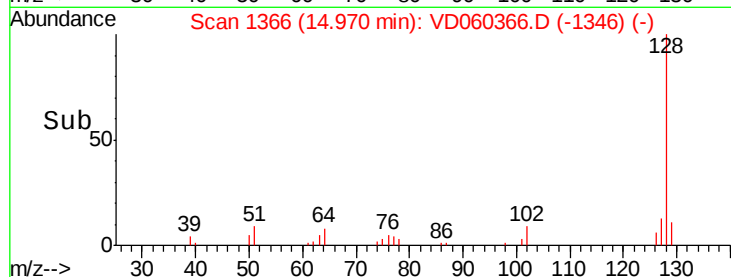
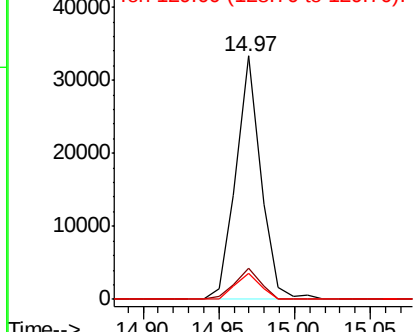
#95
Naphthalene
Concen: 67.771 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 38032
Ion Ratio Lower Upper
128 100
127 12.7 9.6 14.4
129 10.9 8.6 12.8

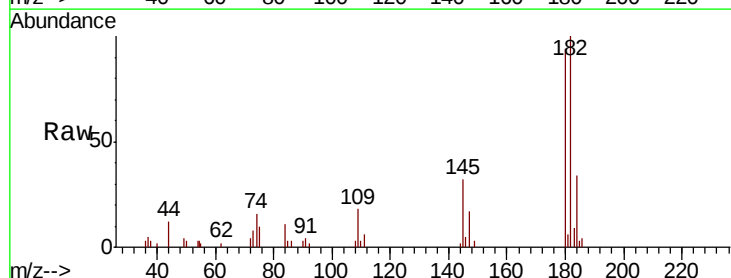


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 43.288 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060366.D
Acq: 13 Nov 2018 17:52

Tgt Ion:180 Resp: 15942
Ion Ratio Lower Upper
180 100
182 105.8 48.9 146.7
145 34.3 12.9 38.6



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

