

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007691.D
 Acq On : 19 Dec 2018 07:34
 Operator : SY/AP
 Sample : J6386-14MSD
 Misc : 5.89G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 19 08:21:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	45360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	74086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	57545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	20744	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	30567	60.74	ug/l	0.00
Spiked Amount			Recovery	=	121.48%	
35) Dibromofluoromethane	7.88	113	25923	57.80	ug/l	0.00
Spiked Amount			Recovery	=	115.60%	
50) Toluene-d8	10.32	98	80068	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.62	95	25497	41.24	ug/l	0.00
Spiked Amount			Recovery	=	82.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	14964	47.208	ug/l	93
3) Chloromethane	2.21	50	11810	44.487	ug/l	99
4) Vinyl Chloride	2.37	62	15579	50.007	ug/l	100
5) Bromomethane	2.79	94	10804	51.615	ug/l	99
6) Chloroethane	2.94	64	8918	52.003	ug/l	98
7) Trichlorofluoromethane	3.26	101	15305	54.644	ug/l	93
8) Diethyl Ether	3.68	74	13938	63.580	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	19858	42.968	ug/l	95
10) Methyl Iodide	4.26	142	37697	49.250	ug/l	95
11) Tert butyl alcohol	5.17	59	10559	305.514	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	22245	49.992	ug/l	99
14) Allvl chloride	4.67	41	32200	49.093	ug/l	96
15) Acrylonitrile	5.37	53	28940	313.158	ug/l	98
16) Acetone	4.12	43	62664	712.902	ug/l	97
17) Carbon Disulfide	4.38	76	60935	45.165	ug/l	99
18) Methyl Acetate	4.67	43	44833	187.924	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	44808	66.752	ug/l	99
20) Methylene Chloride	4.91	84	29026	61.268	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	26030	52.294	ug/l	96
22) Diisopropyl ether	6.31	45	68261	54.145	ug/l	93
23) Vinyl Acetate	6.31	43	39021	55.336	ug/l #	72
24) 1,1-Dichloroethane	6.22	63	46826	54.955	ug/l	98
25) 2-Butanone	7.16	43	31059	270.658	ug/l	99
26) 2,2-Dichloropropane	7.17	77	27646	49.025	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	29740	54.566	ug/l	98
28) Bromochloromethane	7.51	49	18042	56.293	ug/l	93
29) Tetrahydrofuran	7.53	42	22830	314.261	ug/l	92
30) Chloroform	7.68	83	53706	57.919	ug/l	99
31) Cyclohexane	7.96	56	24393	31.203	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	42540	52.315	ug/l	98
36) 1,1-Dichloropropene	8.08	75	32493	48.078	ug/l	99
37) Ethyl Acetate	7.25	43	1017	4.046	ug/l #	68
38) Carbon Tetrachloride	8.07	117	38006	51.683	ug/l	98
39) Methylcyclohexane	9.34	83	21432	26.189	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	102338	54.564	ug/l	99
41) Methacrylonitrile	7.49	41	8344	58.291	ug/l	91
42) 1,2-Dichloroethane	8.40	62	39303	66.709	ug/l	100
43) Isopropyl Acetate	8.43	43	6414	12.918	ug/l #	60
44) Trichloroethene	9.09	130	27358	51.081	ug/l	100
45) 1,2-Dichloropropane	9.37	63	24730	56.978	ug/l	97
46) Dibromomethane	9.46	93	16300	66.132	ug/l	98
47) Bromodichloromethane	9.65	83	39289	60.770	ug/l	96
48) Methyl methacrylate	9.44	41	16921	66.355	ug/l	98
49) 1,4-Dioxane	9.45	88	4987	1246.974	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	73619	313.793	ug/l	99
52) Toluene	10.39	92	63054	51.949	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	35767	56.985	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	38924	53.645	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	22278	66.411	ug/l	97
56) Ethyl methacrylate	10.65	69	2624	6.508	ug/l #	76
57) 1,3-Dichloropropane	10.93	76	35749	64.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	57135	307.280	ug/l	97
59) 2-Hexanone	10.97	43	34754	222.158	ug/l	97
60) Dibromochloromethane	11.13	129	26723	63.123	ug/l	99
61) 1,2-Dibromoethane	11.24	107	21019	63.404	ug/l	98
64) Tetrachloroethene	10.86	164	17714	42.806	ug/l	91
65) Chlorobenzene	11.66	112	63124	52.629	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	25977	61.494	ug/l	99
67) Ethyl Benzene	11.73	91	99127	48.070	ug/l	92
68) m/p-Xylenes	11.84	106	77847	97.106	ug/l	98
69) o-Xylene	12.17	106	36825	49.185	ug/l	96
70) Stvrene	12.18	104	55485	45.881	ug/l	98
71) Bromoform	12.35	173	14468	66.913	ug/l #	95
73) Isopropylbenzene	12.47	105	86667	54.525	ug/l	100
74) N-amyl acetate	12.28	43	647	2.240	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.72	83	22134	94.019	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	28464	166.417	ug/l #	1
77) Bromobenzene	12.75	156	24523	69.603	ug/l	96
78) n-propylbenzene	12.81	91	90041	50.335	ug/l	100
79) 2-Chlorotoluene	12.90	91	58151	53.725	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	67270	50.368	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	5832	75.321	ug/l	98
82) 4-Chlorotoluene	12.99	91	62568	54.839	ug/l	96
83) tert-Butylbenzene	13.21	119	55602	47.248	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	69077	50.261	ug/l	99
85) sec-Butylbenzene	13.39	105	64469	40.130	ug/l	96
86) p-Isopropyltoluene	13.50	119	58001	40.188	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	35912	51.123	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	36826	52.146	ug/l	98
89) n-Butylbenzene	13.83	91	42750	31.952	ug/l	99
90) Hexachloroethane	14.10	117	10220	39.798	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	33105	52.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4288	90.762	ug/l	98
93) 1,2,4-Trichlorobenzene	15.14	180	12844	29.663	ug/l	95

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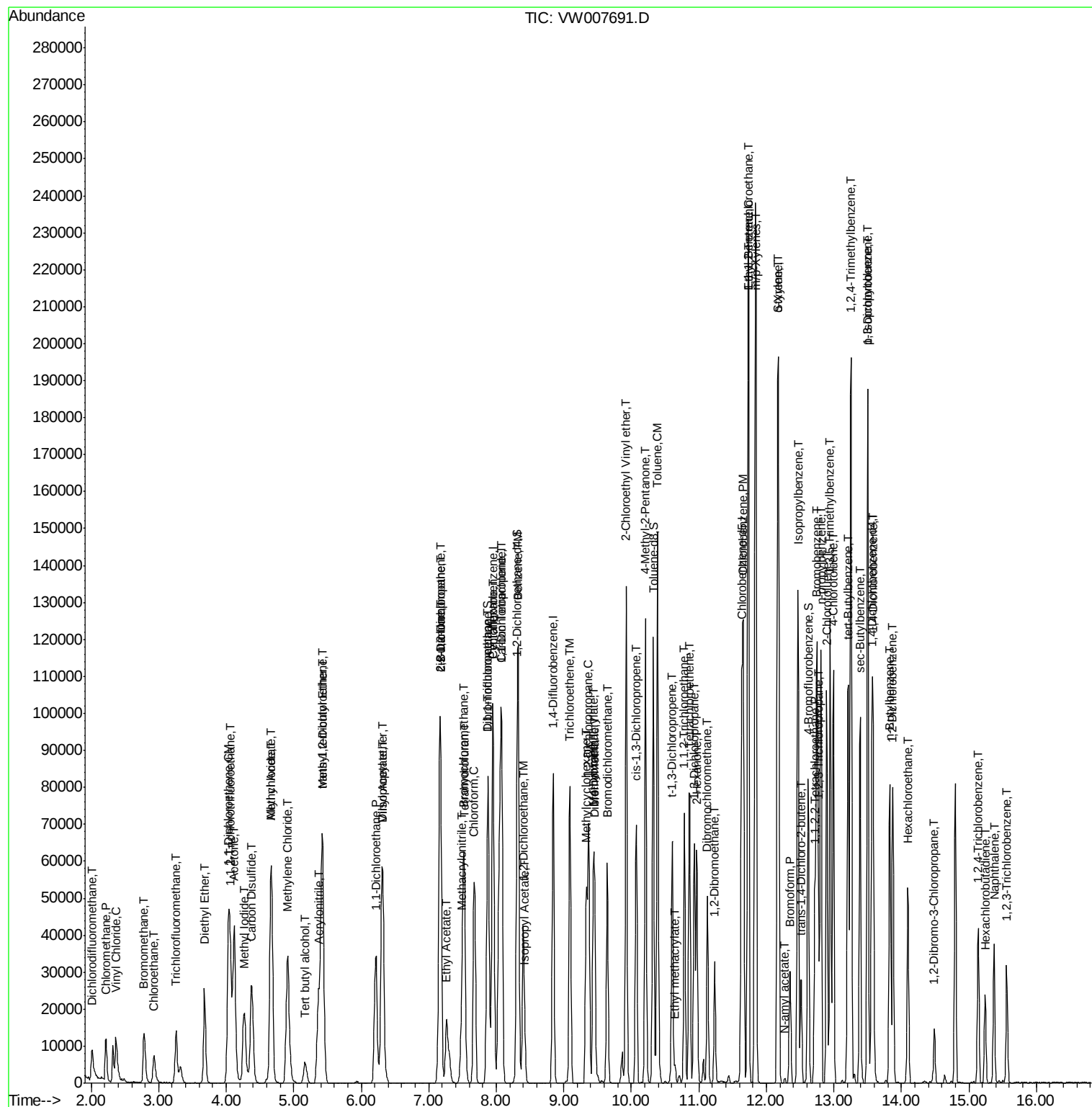
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	4252	18.508	ug/l	96
95) Naphthalene	15.38	128	33016	39.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	10881	28.929	ug/l	97

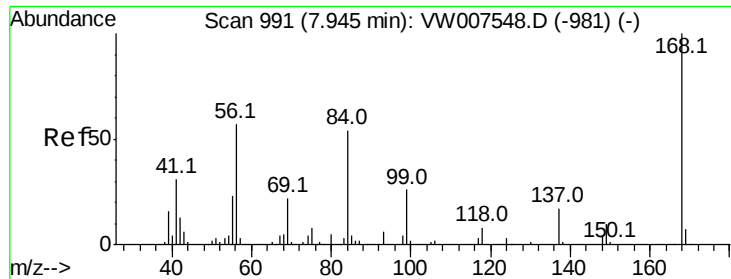
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

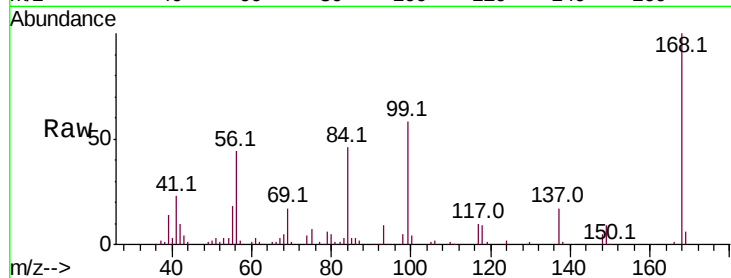
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 45360

Ion Ratio Lower Upper

168 100

99 57.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

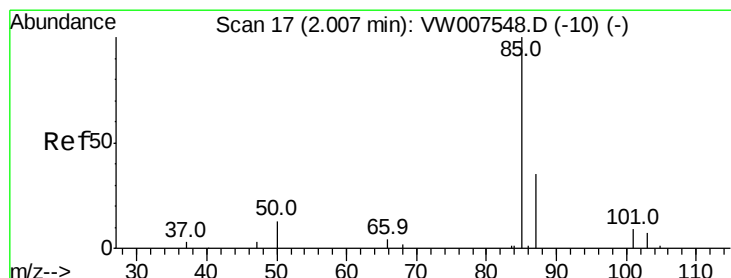
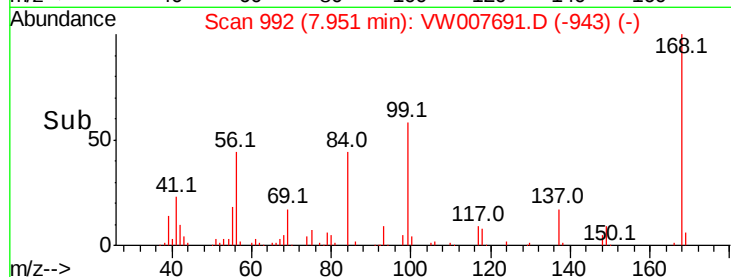
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.208 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007691.D

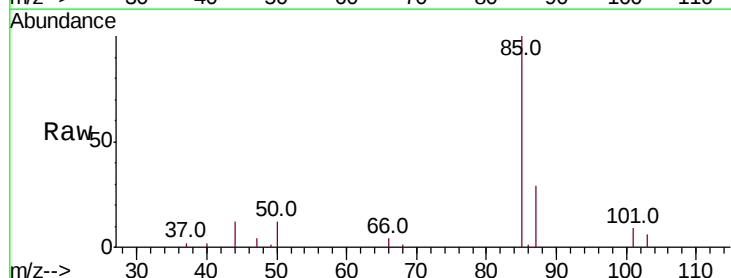
Acq: 19 Dec 2018 07:34

Tgt Ion: 85 Resp: 14964

Ion Ratio Lower Upper

85 100

87 29.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

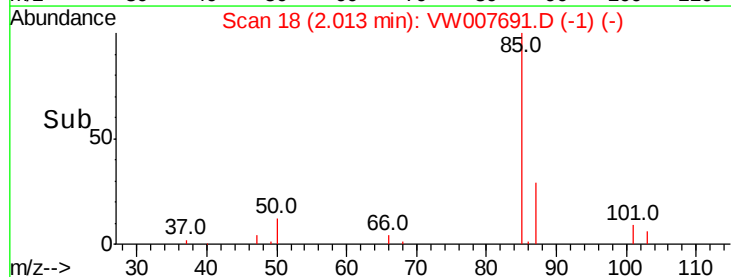
2000

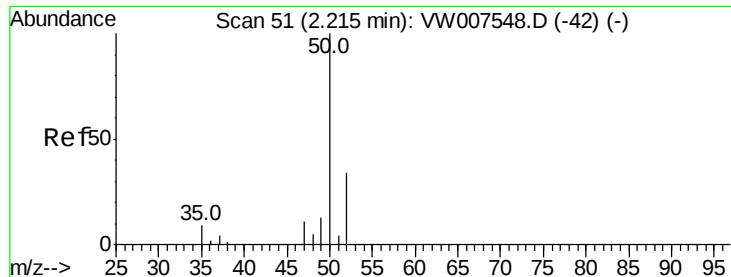
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 44.487 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

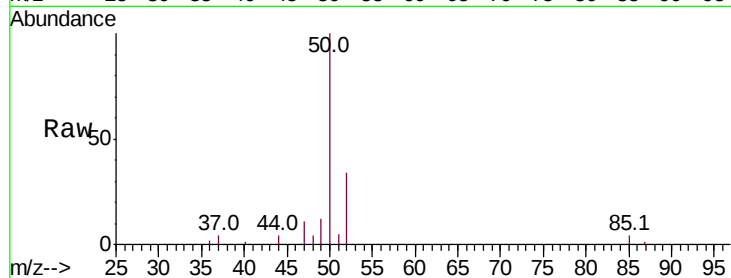
ClientSampled :

Tot Ion: 50 Resp: 11810

Ion Ratio Lower Upper

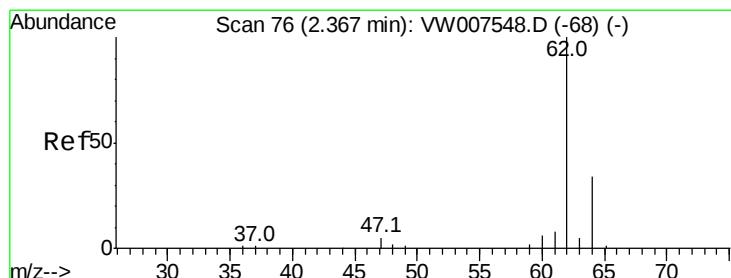
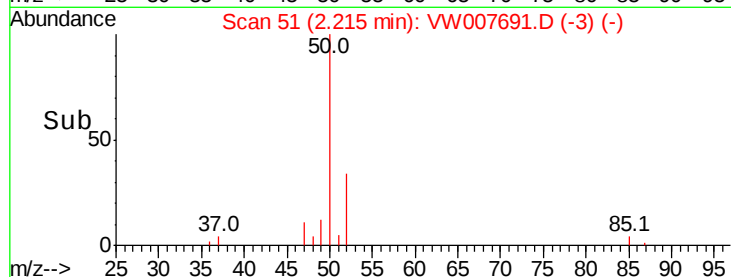
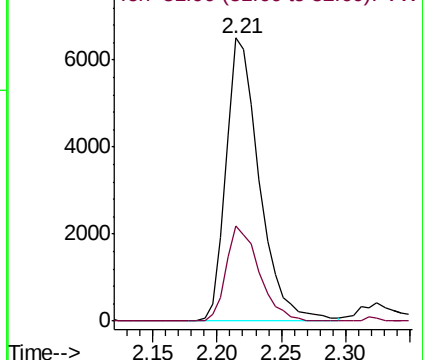
50 100

52 33.9 27.4 41.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.007 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007691.D

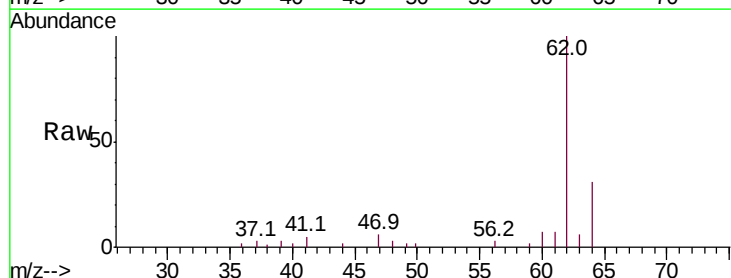
Acq: 19 Dec 2018 07:34

Tgt Ion: 62 Resp: 15579

Ion Ratio Lower Upper

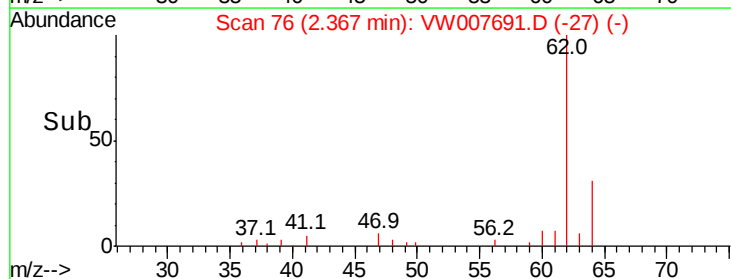
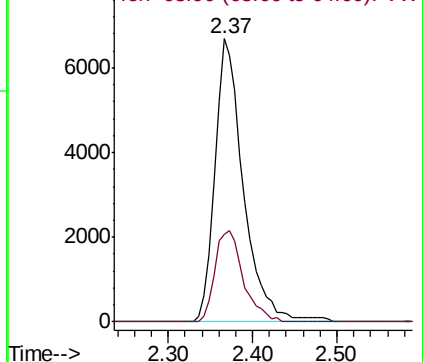
62 100

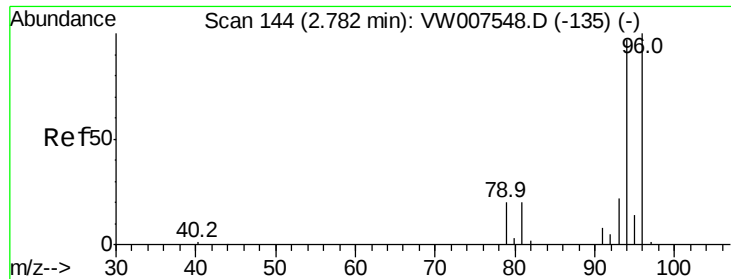
64 30.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 51.615 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

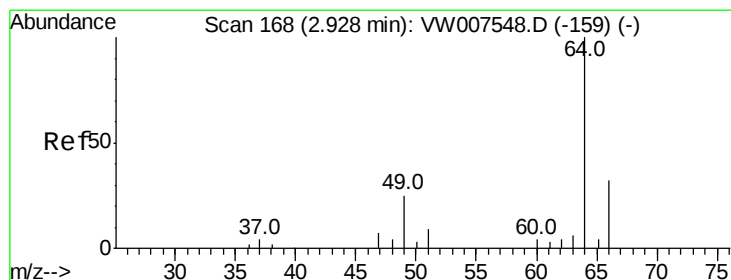
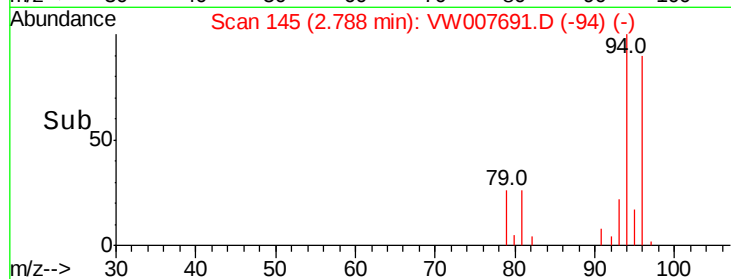
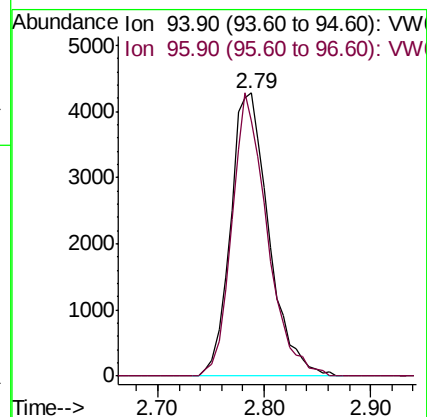
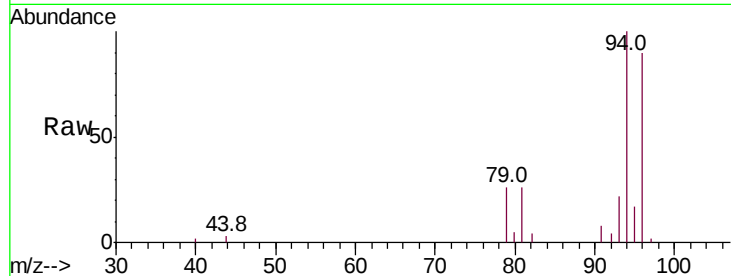
ClientSampleId :

Tot Ion: 94 Resp: 10804

Ion Ratio Lower Upper

94 100

96 90.1 71.0 106.4



#6

Chloroethane

Concen: 52.003 ug/l

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW007691.D

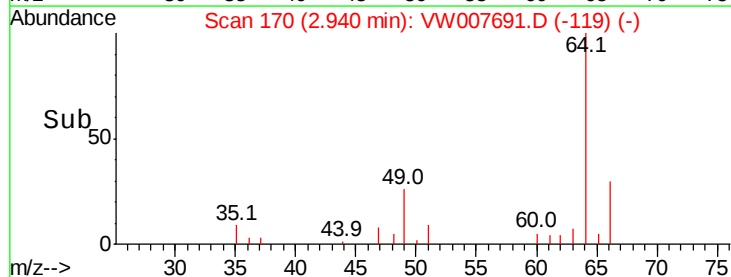
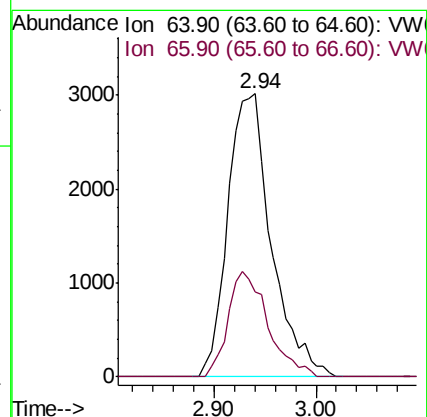
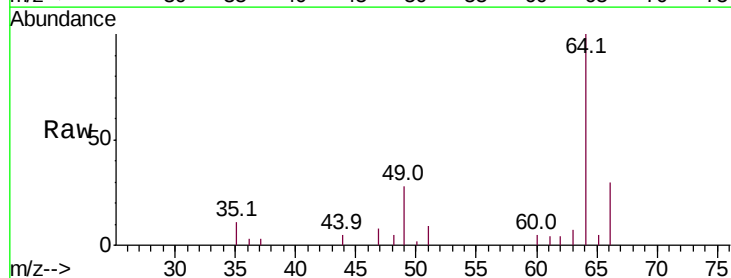
Acq: 19 Dec 2018 07:34

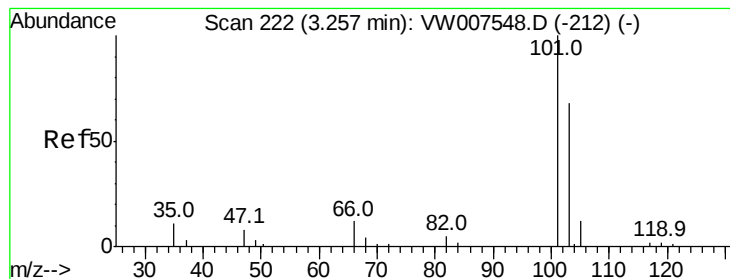
Tgt Ion: 64 Resp: 8918

Ion Ratio Lower Upper

64 100

66 29.9 24.6 37.0



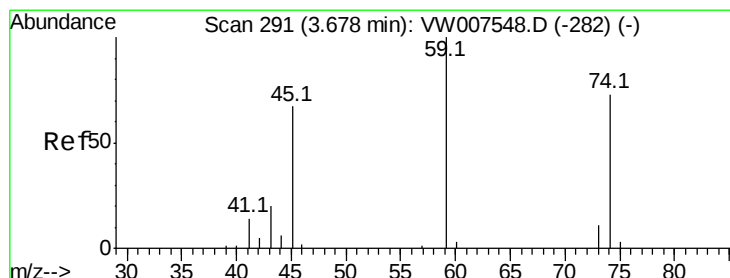
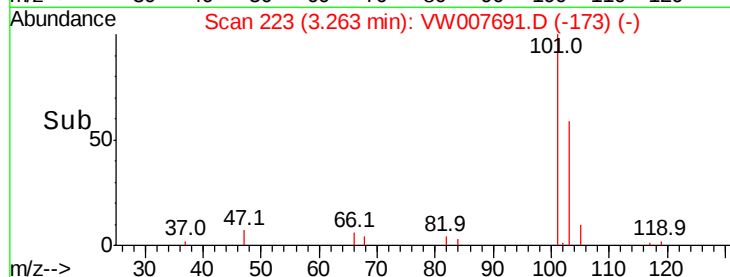
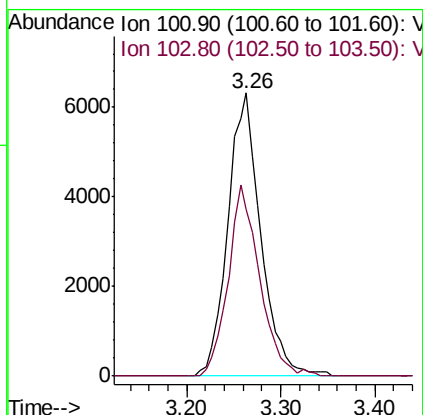
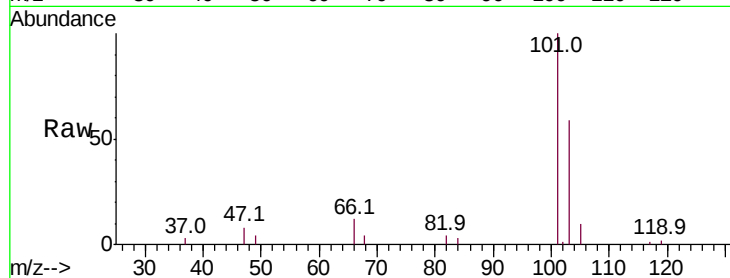


#7

Trichlorofluoromethane
 Concen: 54.644 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Instrument :
 MSVOA_D
 ClientSampleId :

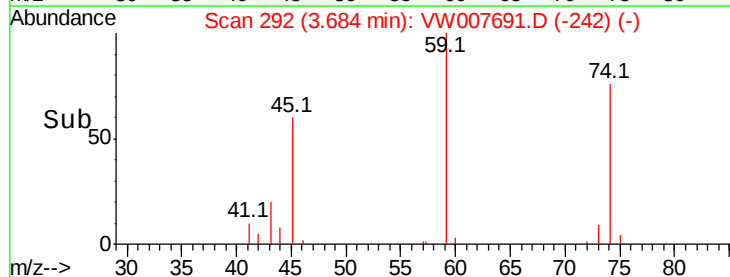
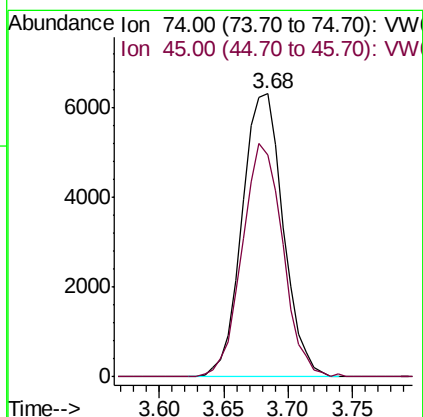
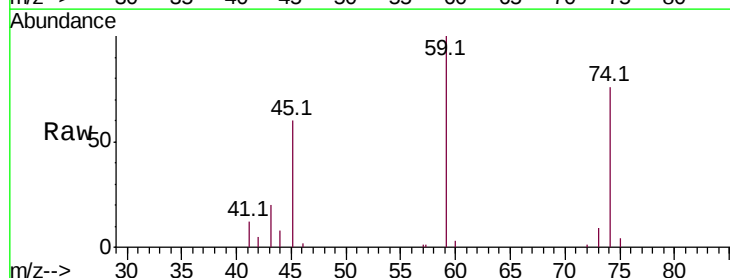
Tot Ion:101 Resp: 15305
 Ion Ratio Lower Upper
 101 100
 103 59.1 51.7 77.5

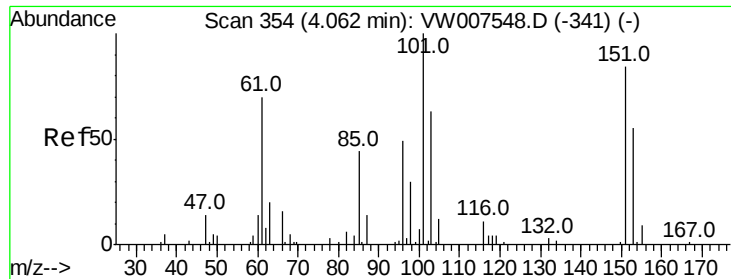


#8

Diethyl Ether
 Concen: 63.580 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion: 74 Resp: 13938
 Ion Ratio Lower Upper
 74 100
 45 81.2 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.968 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

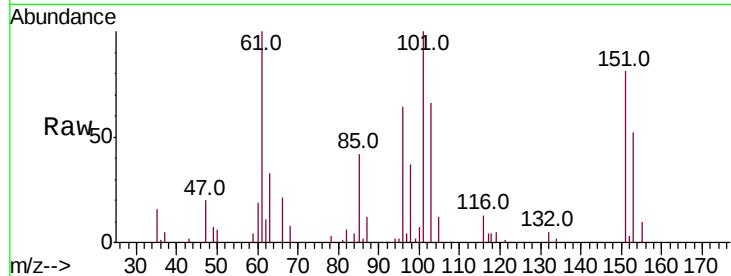
Tot Ion:101 Resp: 19858

Ion Ratio Lower Upper

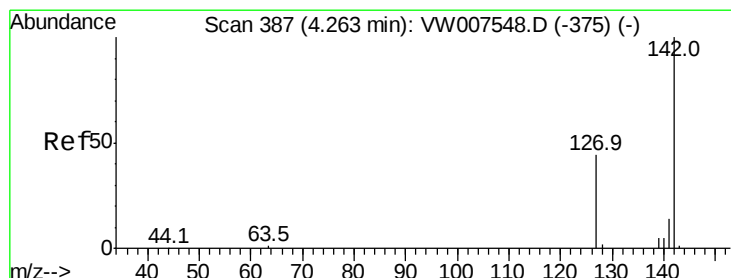
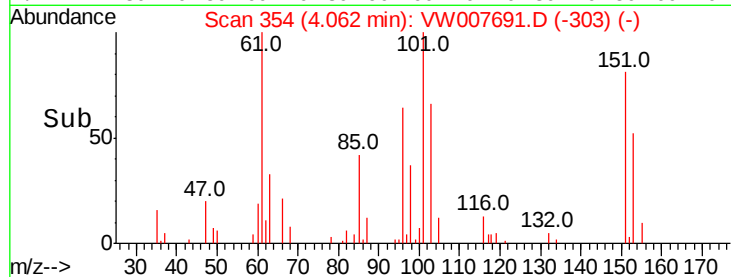
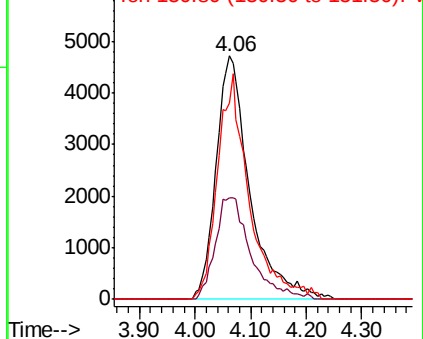
101 100

85 44.2 33.9 50.9

151 84.7 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.250 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

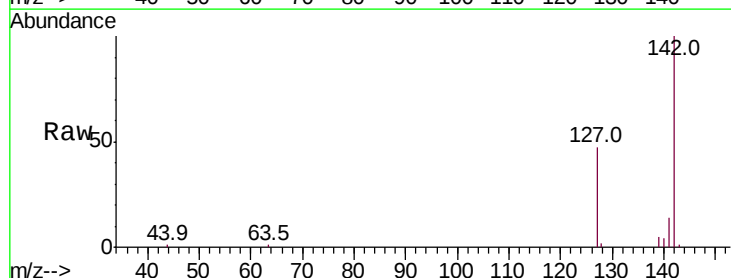
Tgt Ion:142 Resp: 37697

Ion Ratio Lower Upper

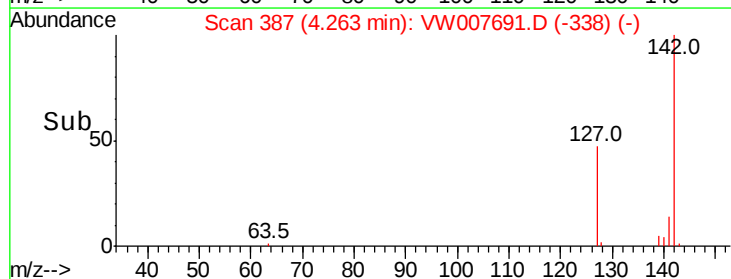
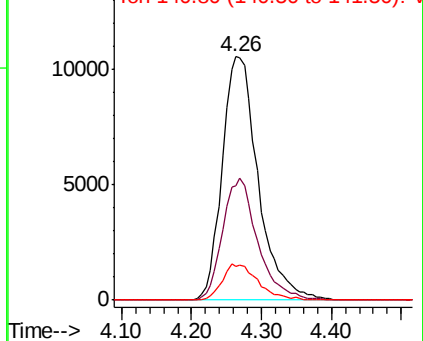
142 100

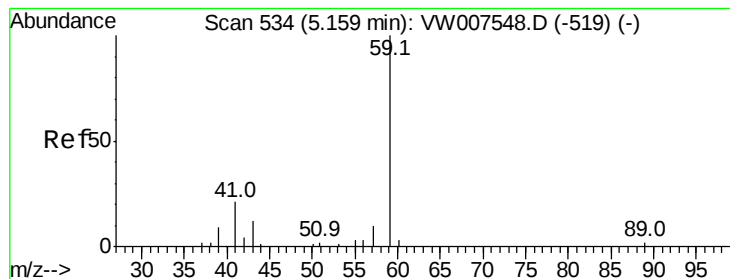
127 48.4 35.8 53.6

141 14.4 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



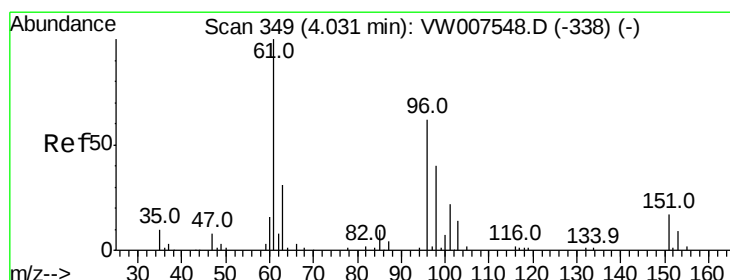
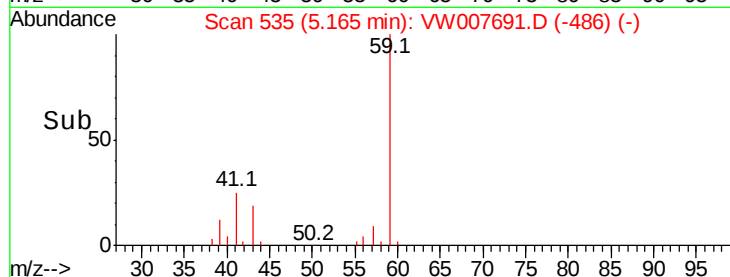
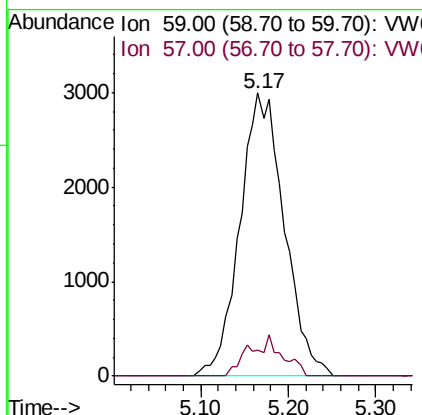
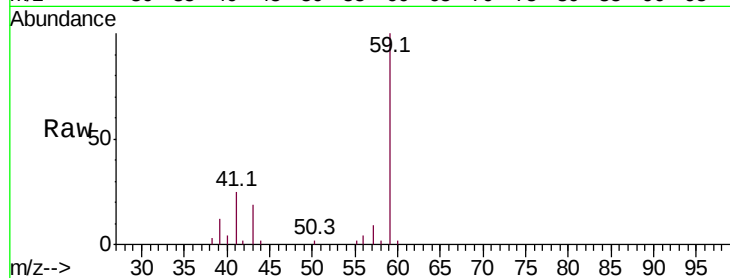


#11

Tert butyl alcohol
Concen: 305.514 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Instrument :
MSVOA_D
ClientSampleId :

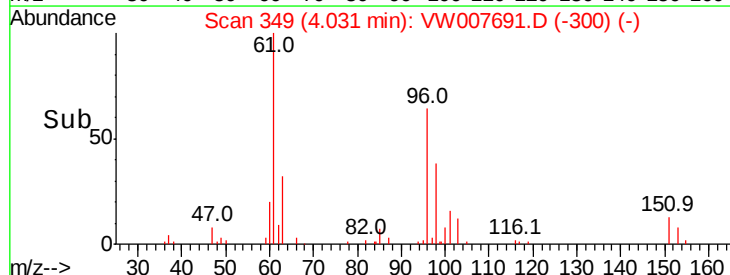
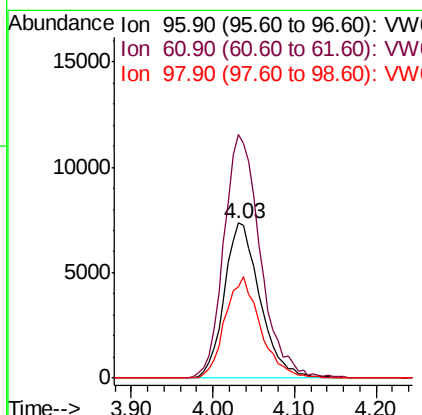
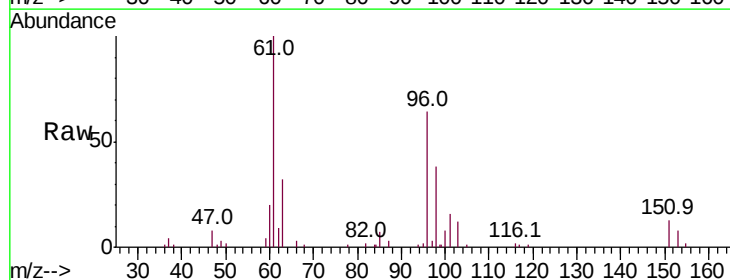
Tot Ion: 59 Resp: 10559
Ion Ratio Lower Upper
59 100
57 5.4 7.6 11.4#

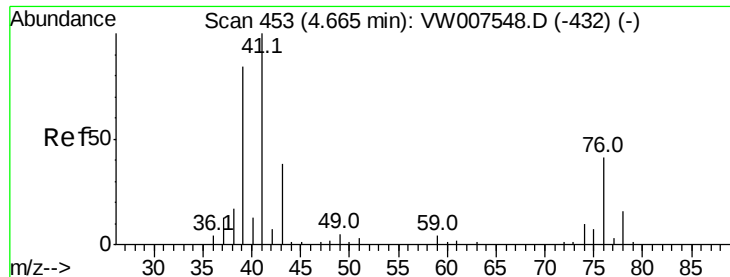


#12

1,1-Dichloroethene
Concen: 49.992 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 96 Resp: 22245
Ion Ratio Lower Upper
96 100
61 157.3 126.2 189.2
98 59.1 48.3 72.5





#14

Allvl chloride

Concen: 49.093 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

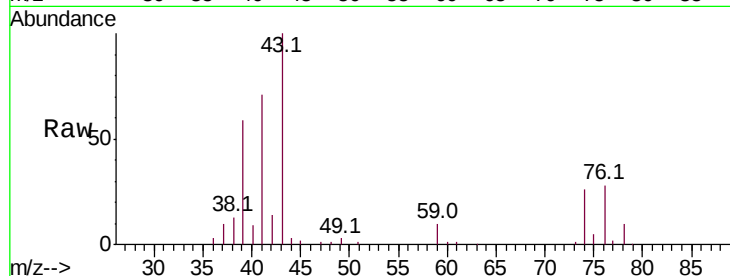
Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

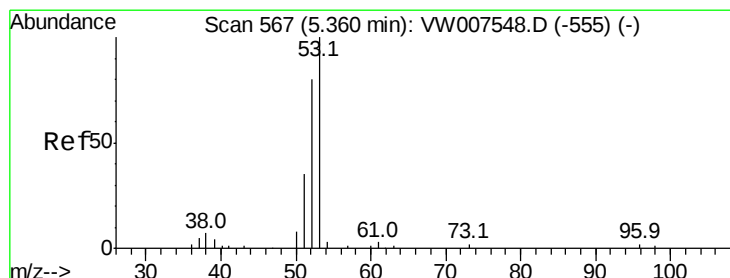
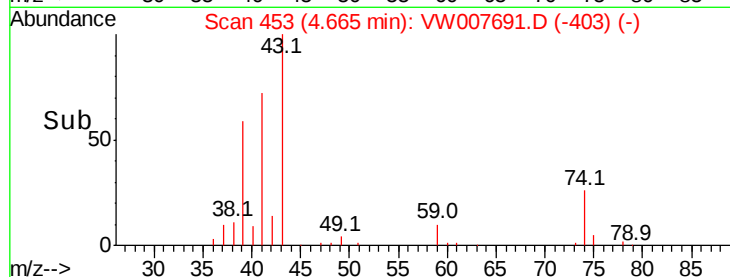
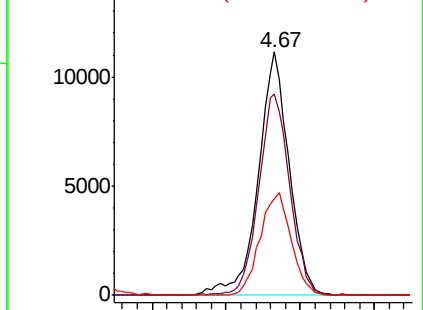
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 32200

Ion	Ratio	Lower	Upper
41	100		
39	83.5	63.4	95.2
76	42.4	32.1	48.1



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW



#15

Acrylonitrile

Concen: 313.158 ug/l

RT: 5.37 min Scan# 568

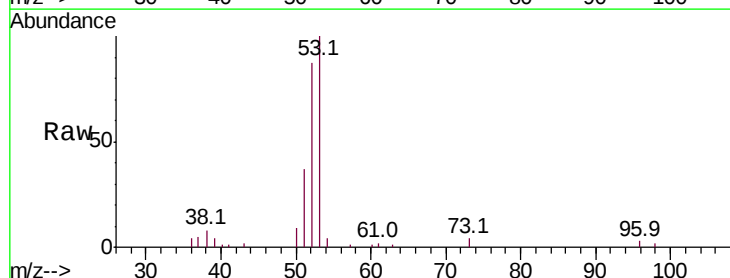
Delta R.T. -0.00 min

Lab File: VW007691.D

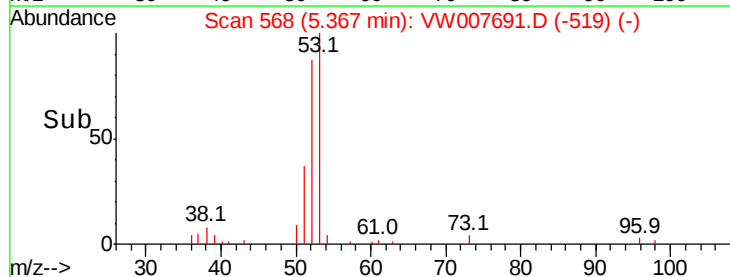
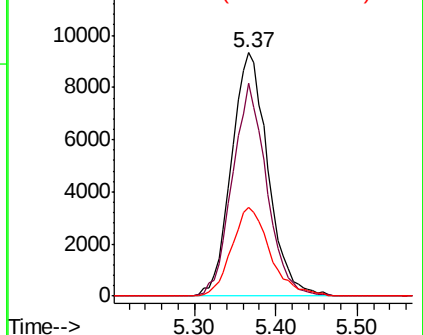
Acq: 19 Dec 2018 07:34

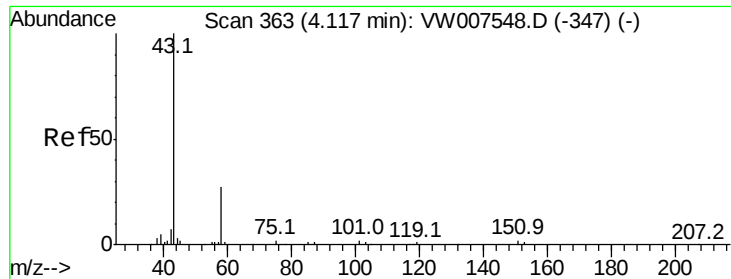
Tgt Ion: 53 Resp: 28940

Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.4	101.2
51	38.3	30.2	45.2



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

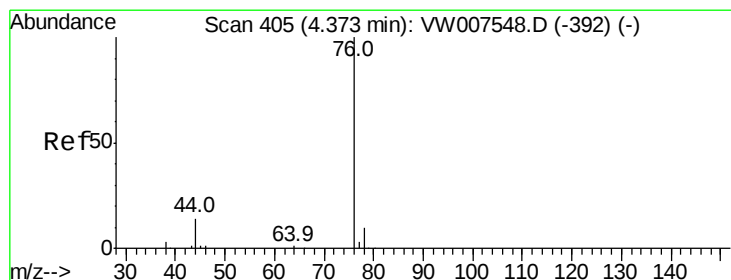
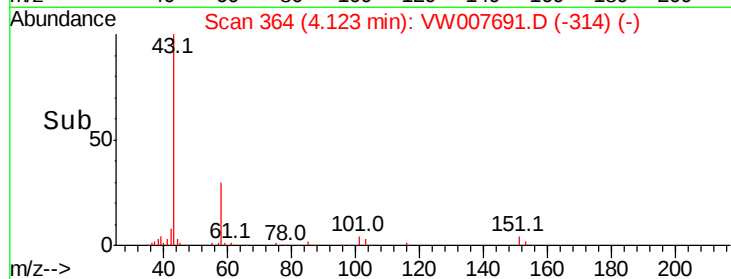
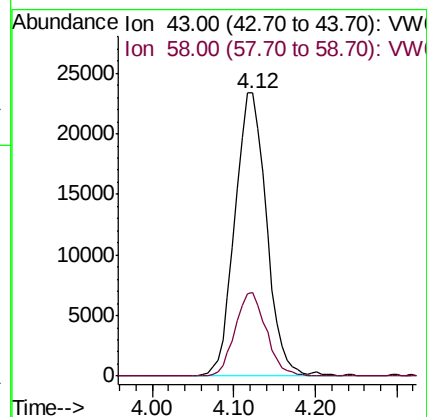
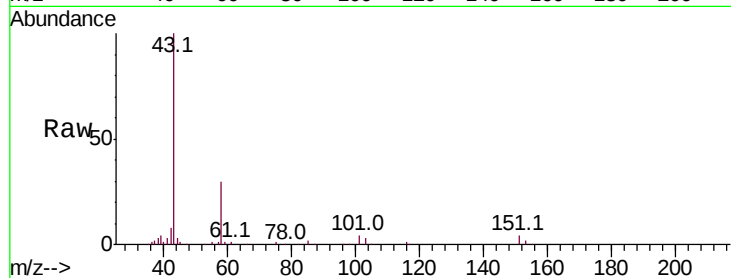




#16
Acetone
Concen: 712.902 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

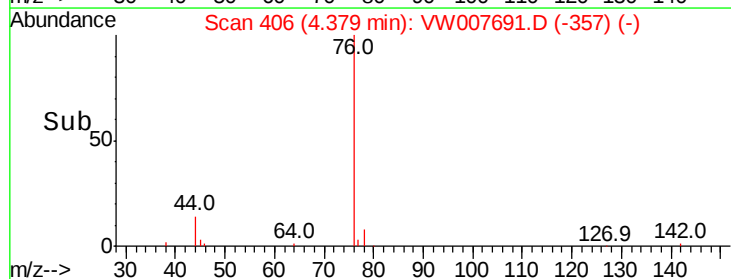
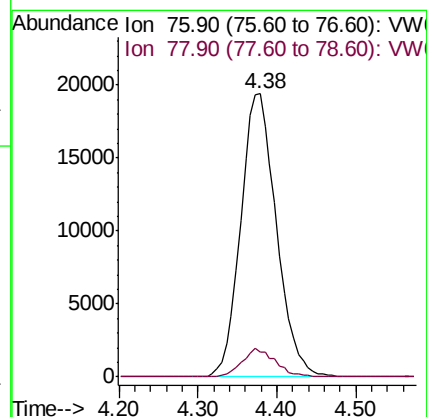
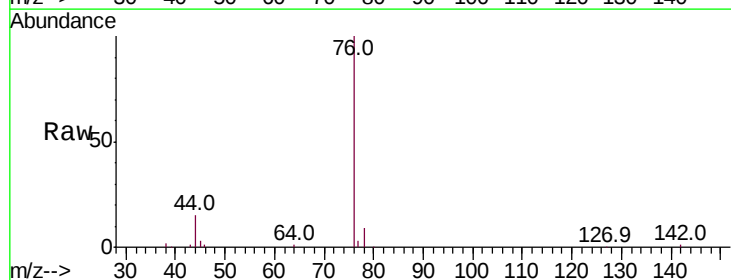
Instrument :
MSVOA_D
ClientSampleId :

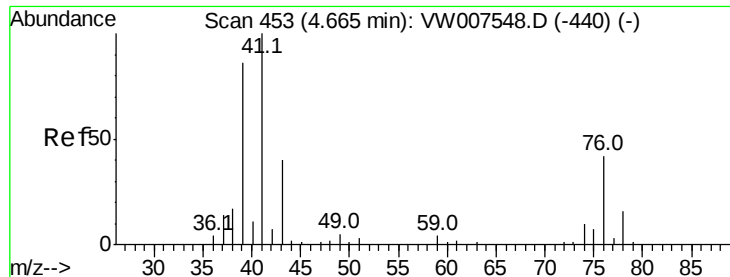
Tot Ion: 43 Resp: 62664
Ion Ratio Lower Upper
43 100
58 29.7 24.9 37.3



#17
Carbon Disulfide
Concen: 45.165 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 76 Resp: 60935
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

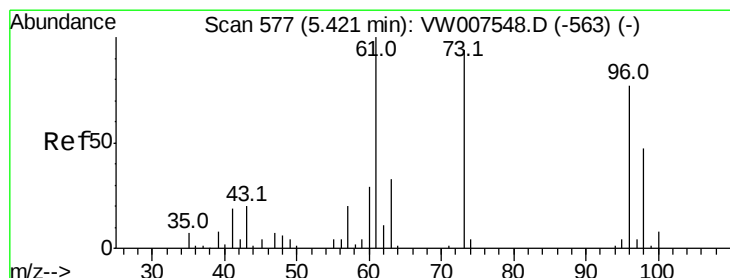
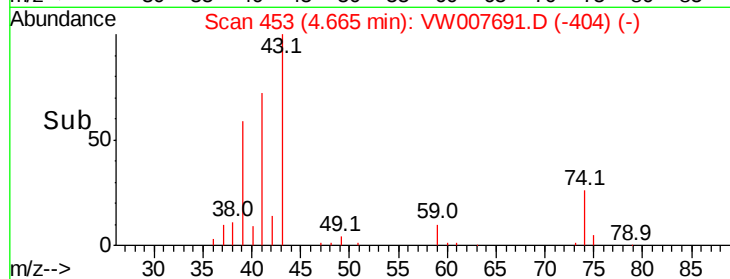
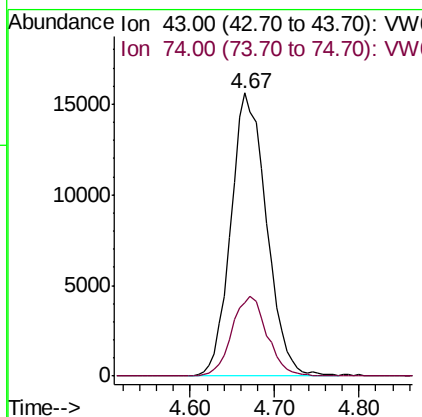
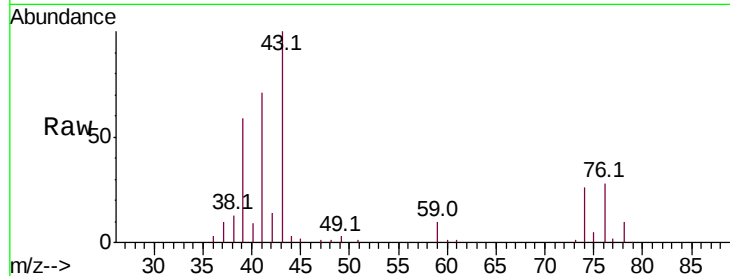




#18
Methyl Acetate
Concen: 187.924 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

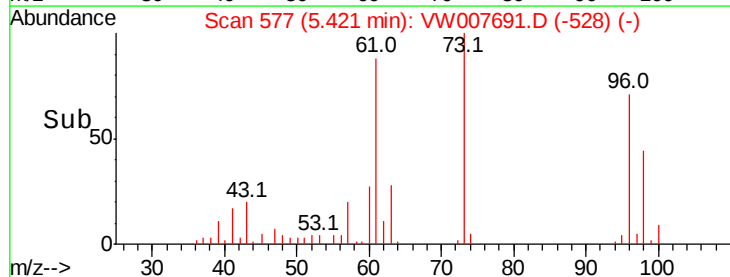
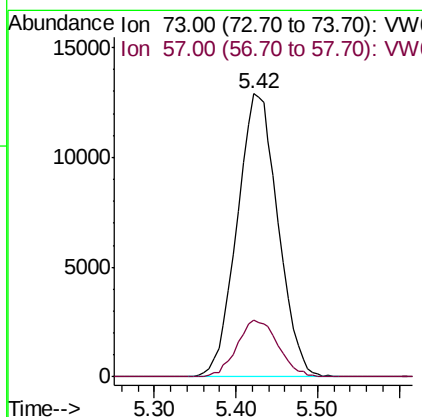
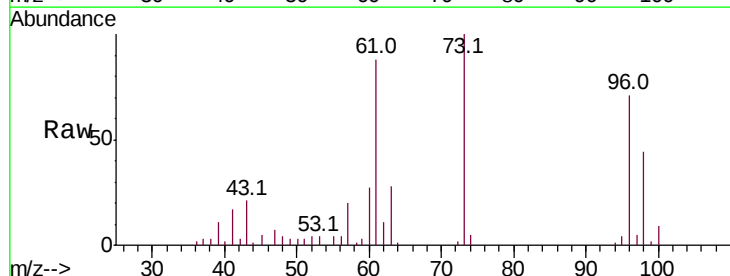
Instrument :
MSVOA_D
ClientSampleId :

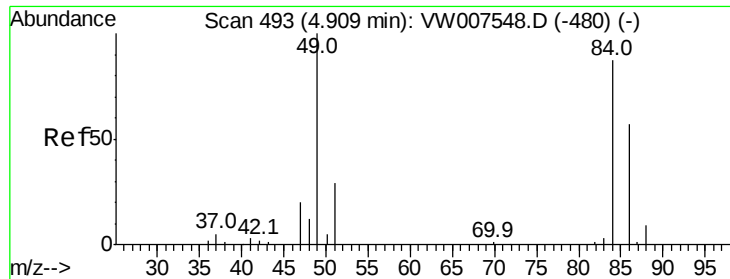
Tot Ion: 43 Resp: 44833
Ion Ratio Lower Upper
43 100
74 27.6 21.1 31.7



#19
Methyl tert-butyl Ether
Concen: 66.752 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 73 Resp: 44808
Ion Ratio Lower Upper
73 100
57 20.1 16.4 24.6

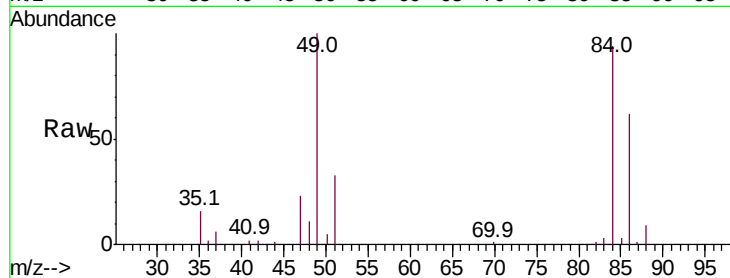




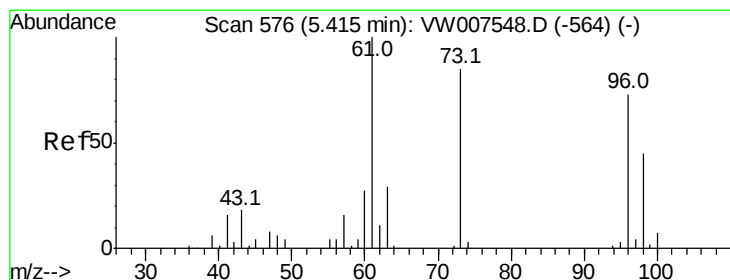
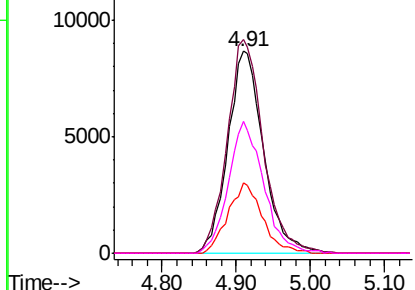
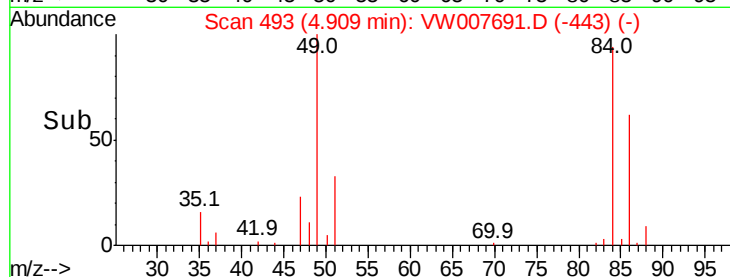
#20
Methylene Chloride
Concen: 61.268 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	29026
Ion	Ratio	Lower	Upper
84	100		
49	105.9	87.1	130.7
51	34.8	28.2	42.2
86	65.2	50.8	76.2

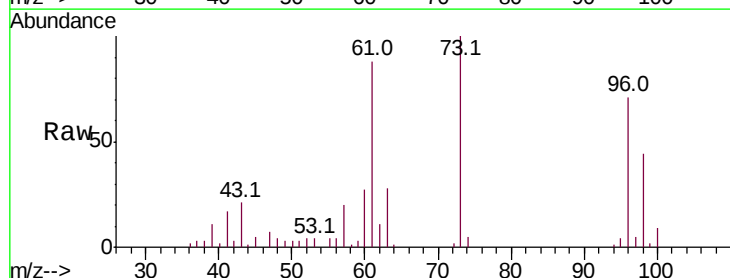


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

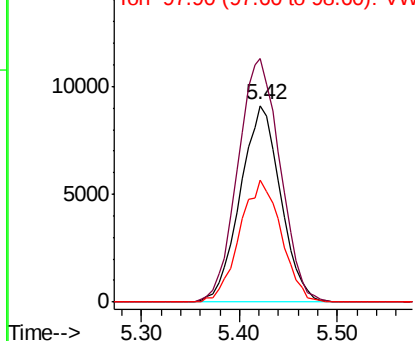
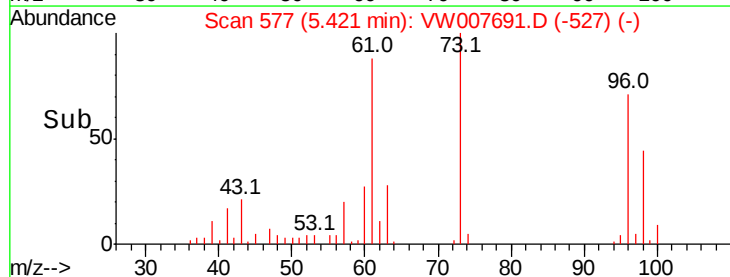


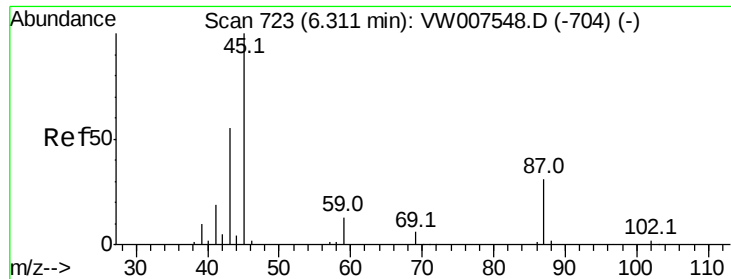
#21
trans-1,2-Dichloroethene
Concen: 52.294 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion:	96	Resp:	26030
Ion	Ratio	Lower	Upper
96	100		
61	124.0	105.0	157.6
98	61.9	49.7	74.5



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 54.145 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 45 Resp: 68261

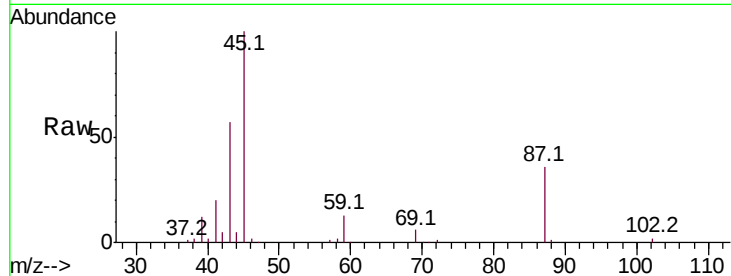
Ion Ratio Lower Upper

45 100

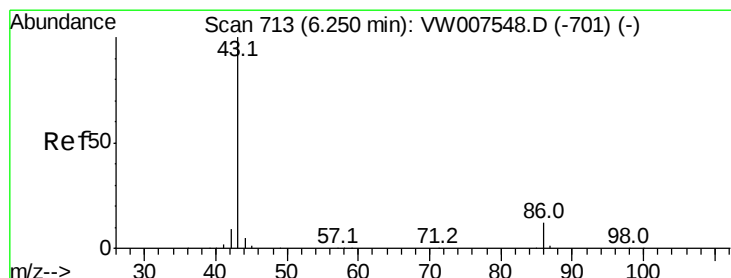
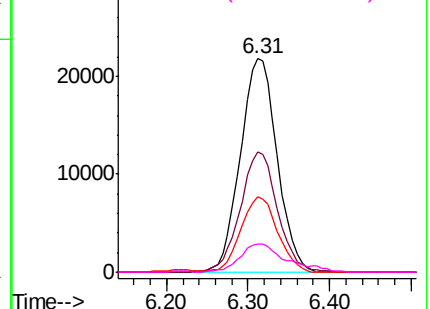
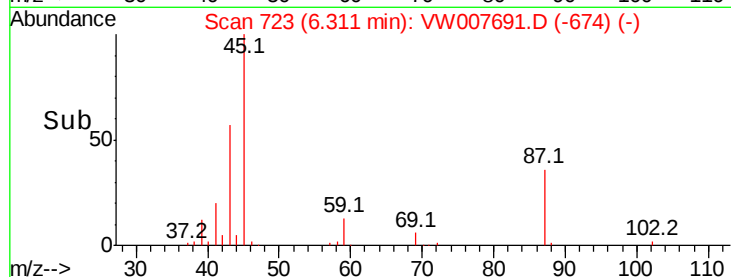
43 56.5 41.6 62.4

87 35.5 24.3 36.5

59 13.1 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW



#23

Vinyl Acetate

Concen: 55.336 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.06 min

Lab File: VW007691.D

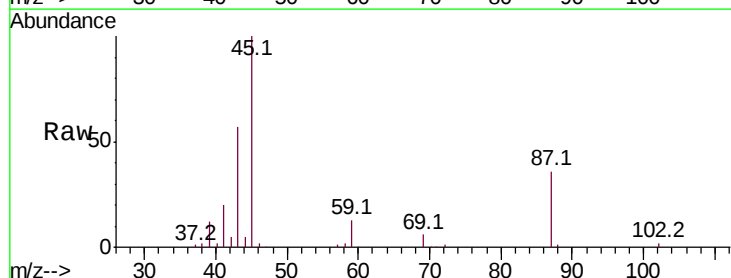
Acq: 19 Dec 2018 07:34

Tgt Ion: 43 Resp: 39021

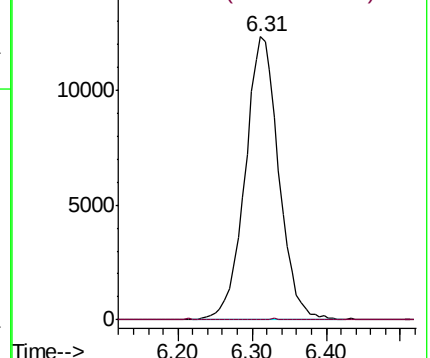
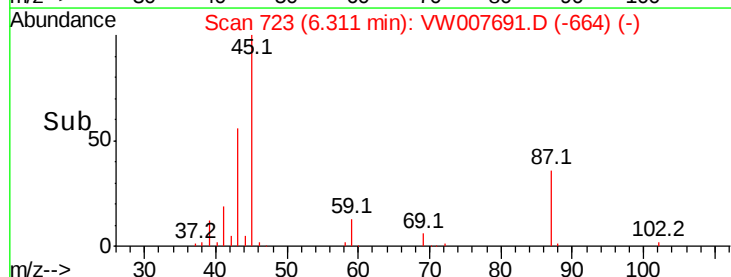
Ion Ratio Lower Upper

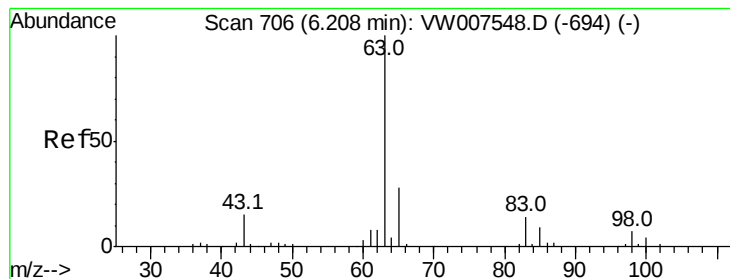
43 100

86 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 54.955 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

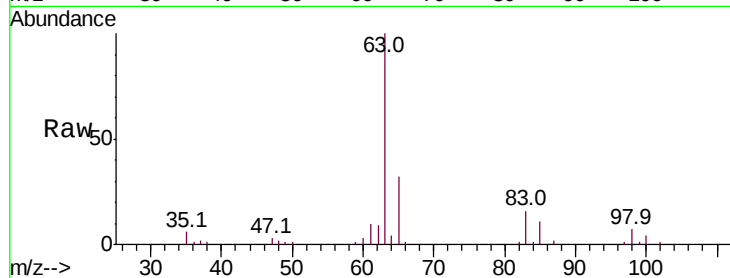
Tot Ion: 63 Resp: 46826

Ion Ratio Lower Upper

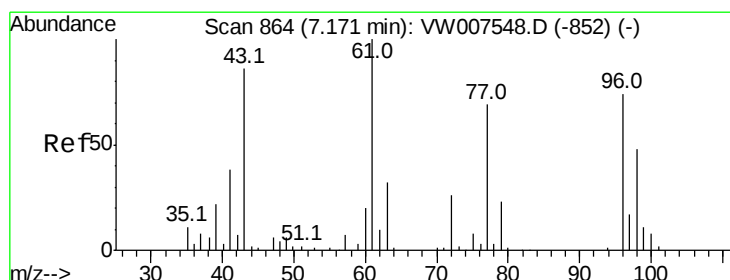
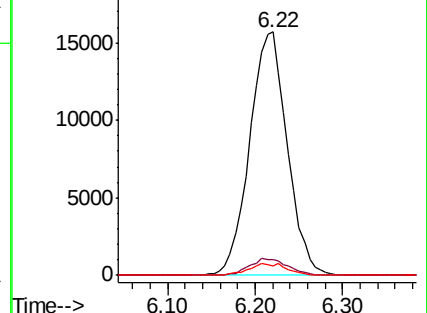
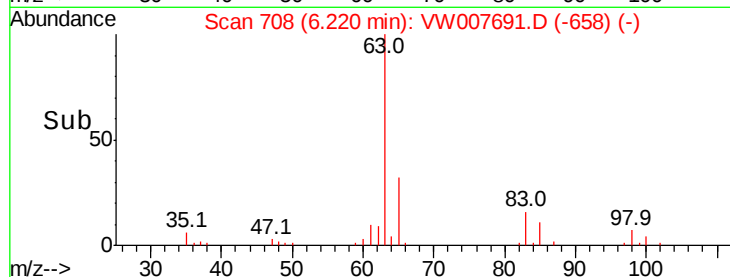
63 100

98 6.7 3.5 10.4

100 3.7 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 270.658 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007691.D

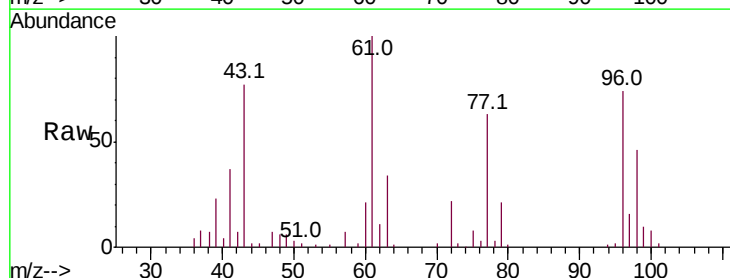
Acq: 19 Dec 2018 07:34

Tgt Ion: 43 Resp: 31059

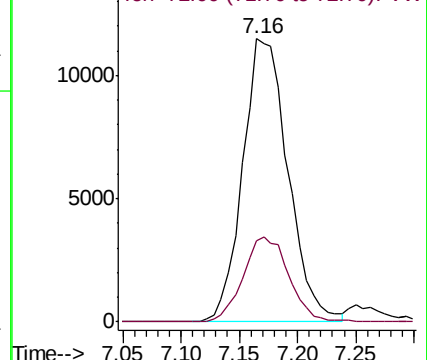
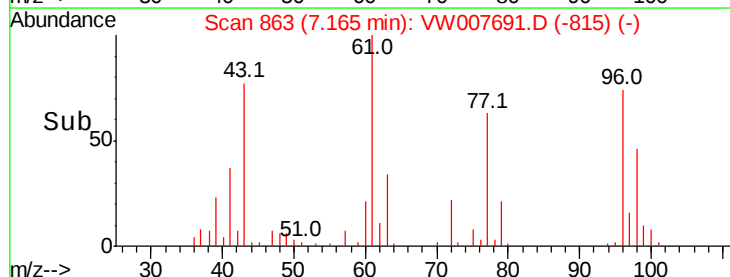
Ion Ratio Lower Upper

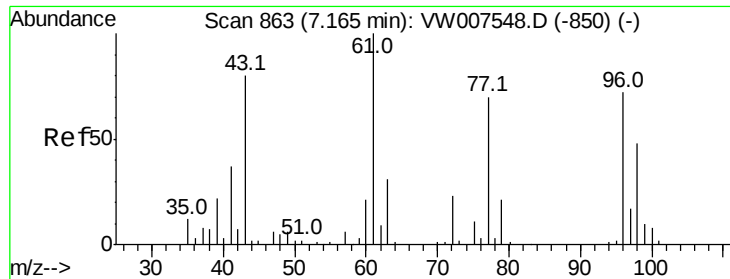
43 100

72 28.9 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

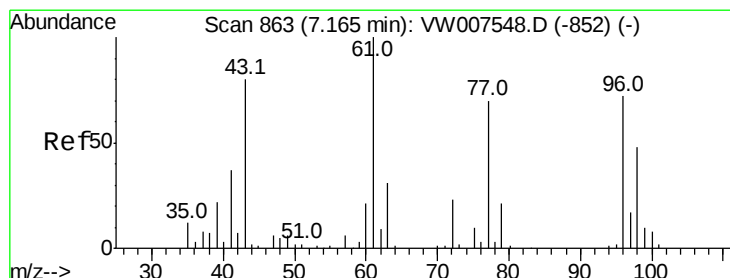
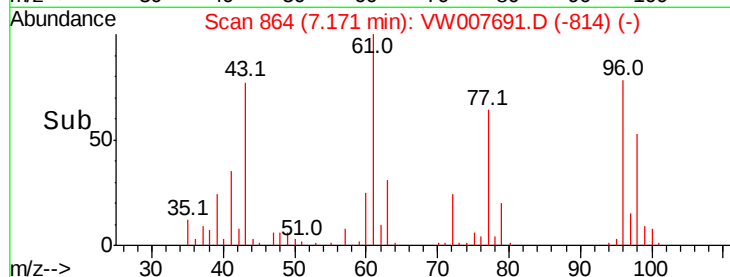
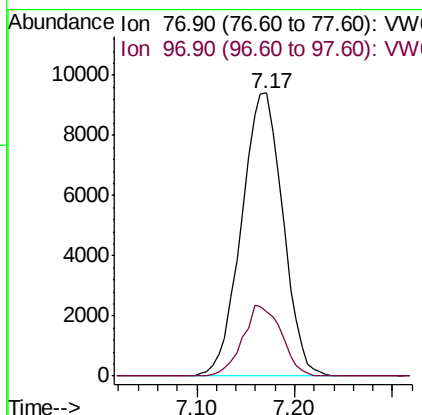
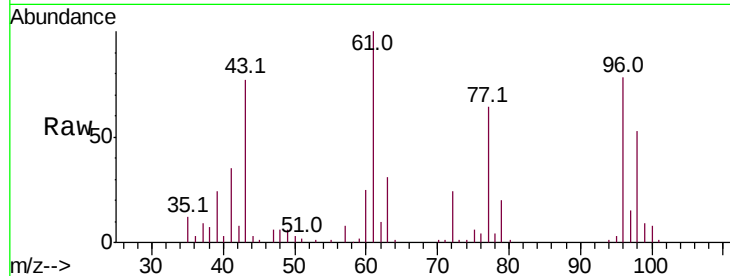




#26
 2,2-Dichloropropane
 Concen: 49.025 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

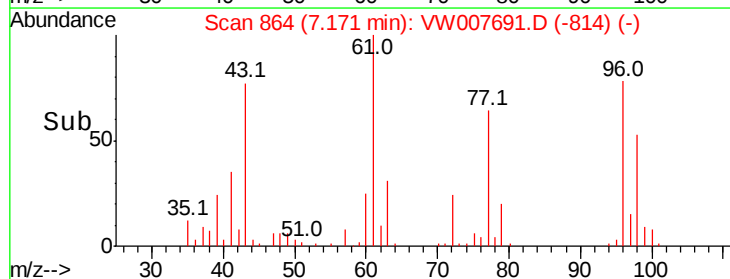
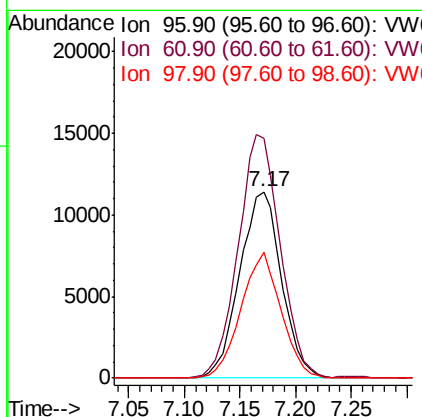
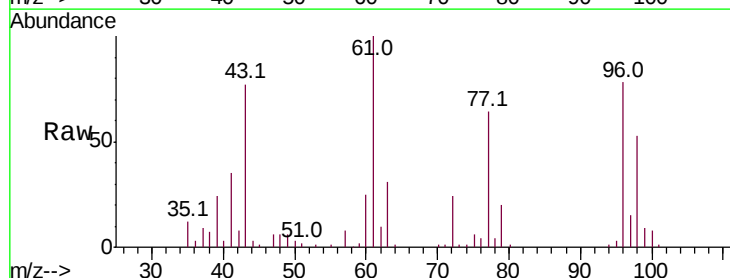
Instrument :
 MSVOA_D
 ClientSampled :

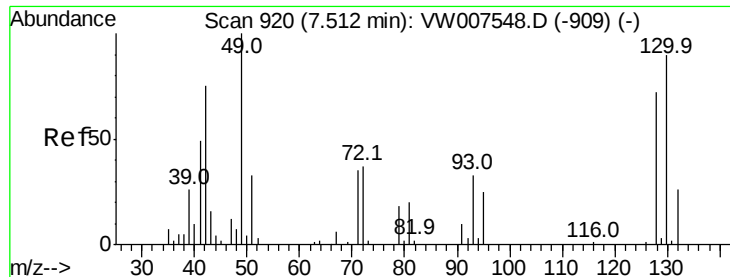
Tot Ion: 77 Resp: 27646
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.6 34.8



#27
 cis-1,2-Dichloroethene
 Concen: 54.566 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion: 96 Resp: 29740
 Ion Ratio Lower Upper
 96 100
 61 131.6 0.0 268.4
 98 64.4 0.0 127.8





#28

Bromochloromethane

Concen: 56.293 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :
MSVOA_D
ClientSampleId :

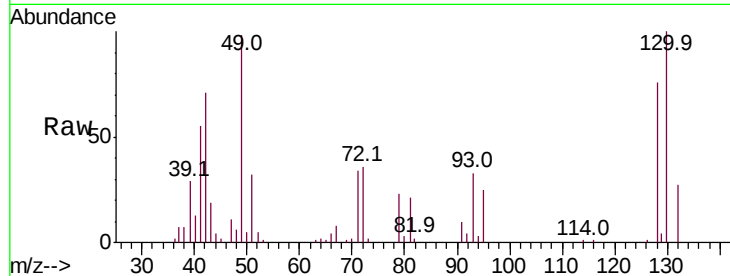
Tot Ion: 49 Resp: 18042

Ion Ratio Lower Upper

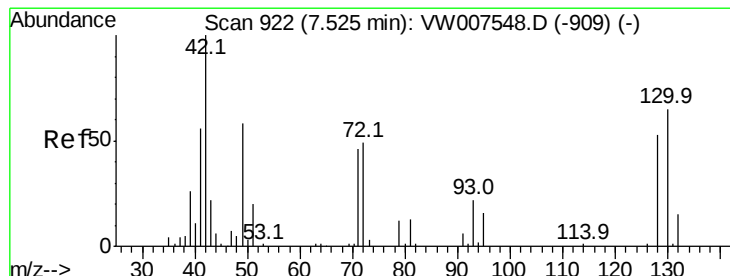
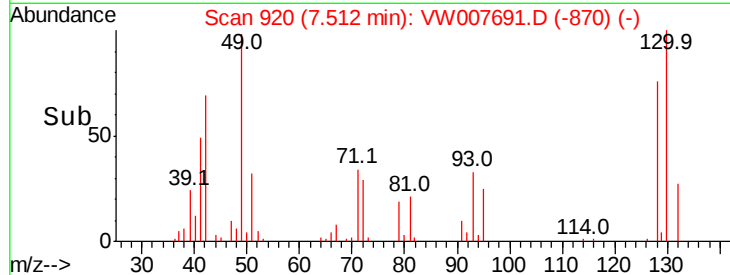
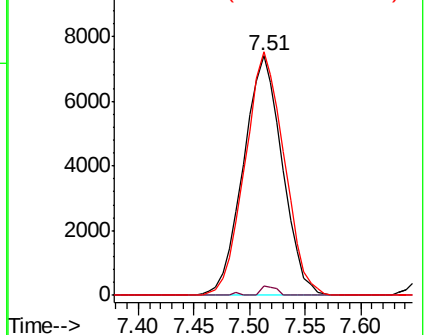
49 100

129 1.5 0.0 2.6

130 101.9 75.9 113.9



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



#29

Tetrahydrofuran

Concen: 314.261 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

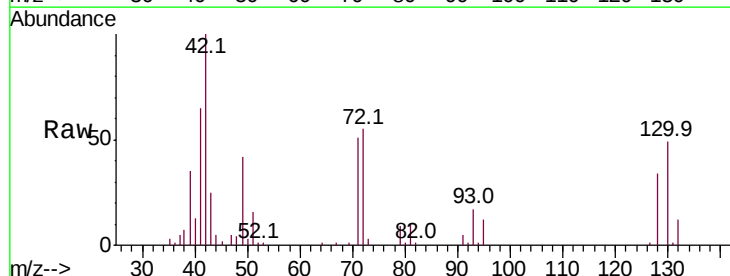
Tgt Ion: 42 Resp: 22830

Ion Ratio Lower Upper

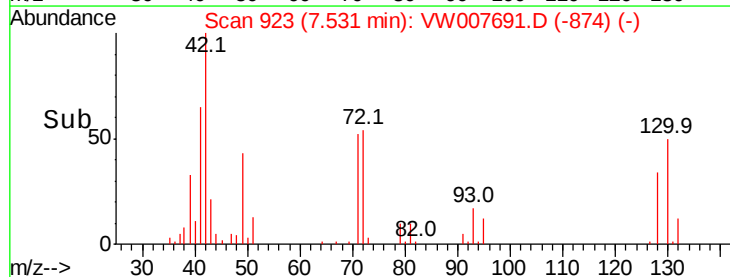
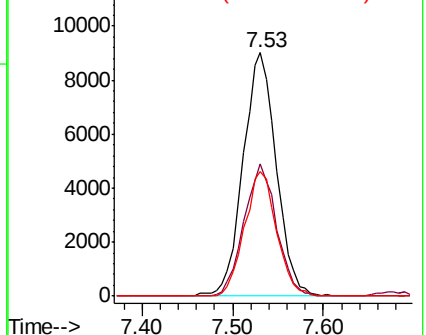
42 100

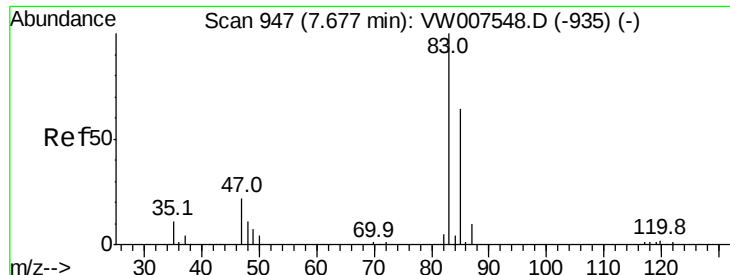
72 53.3 38.2 57.4

71 49.4 35.5 53.3



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

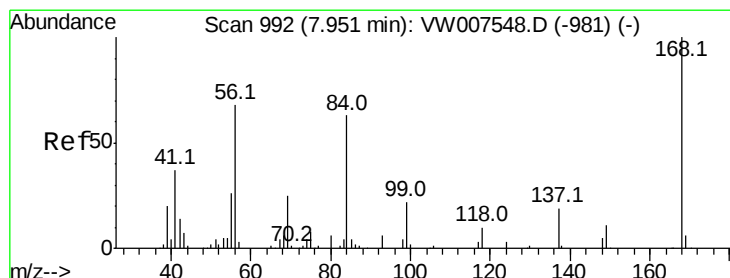
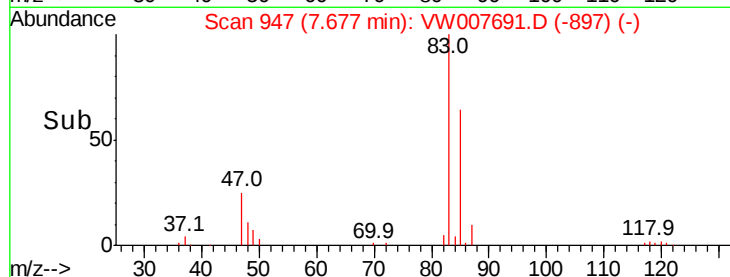
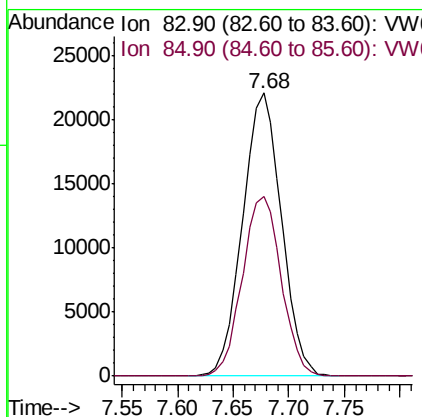
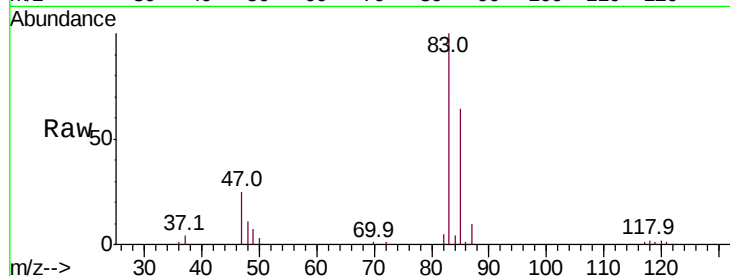




#30
Chloroform
Concen: 57.919 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

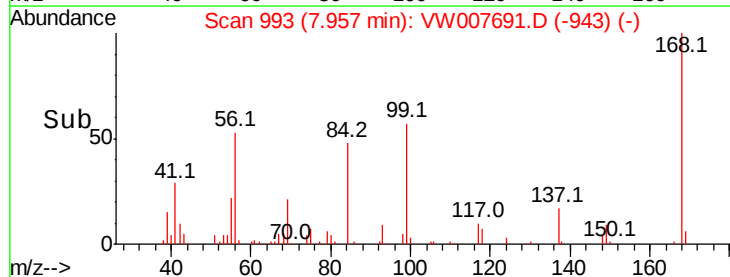
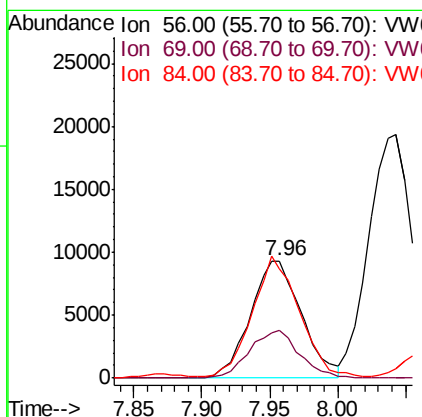
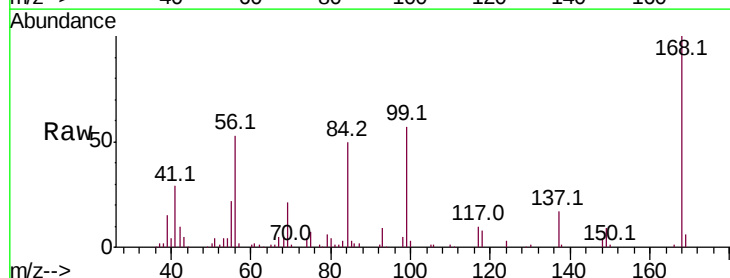
Instrument :
MSVOA_D
ClientSampleId :

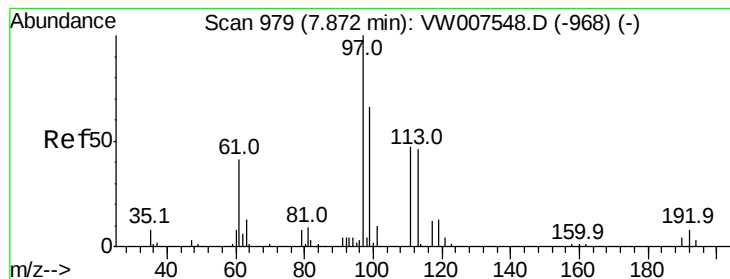
Tot Ion: 83 Resp: 53706
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.8



#31
Cyclohexane
Concen: 31.203 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 56 Resp: 24393
Ion Ratio Lower Upper
56 100
69 40.3 28.9 43.3
84 92.1 71.8 107.6





#32

1,1,1-Trichloroethane

Concen: 52.315 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

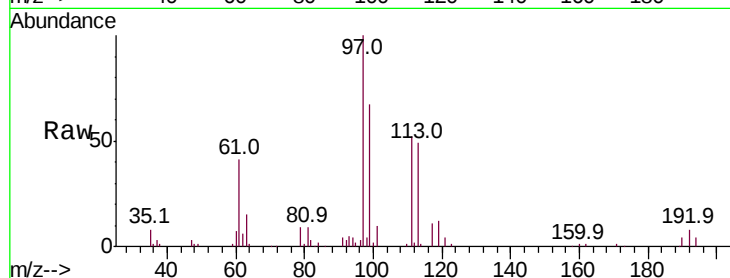
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 42540

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.1	76.7
61	41.5	33.2	49.8

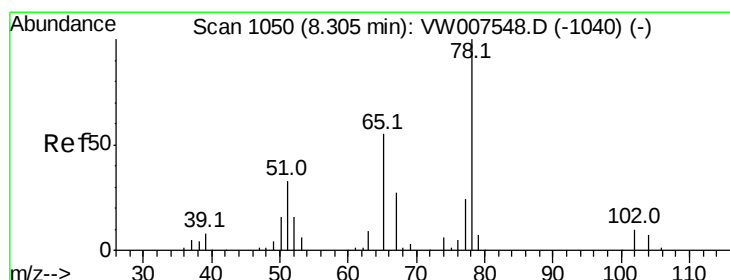
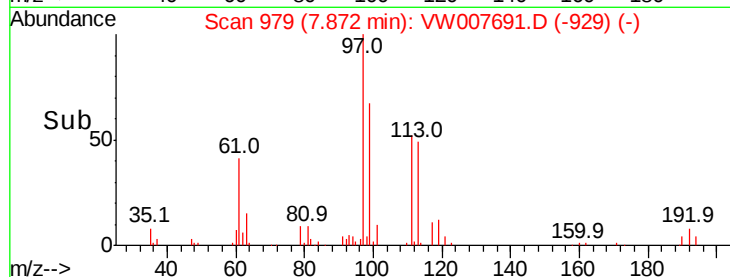
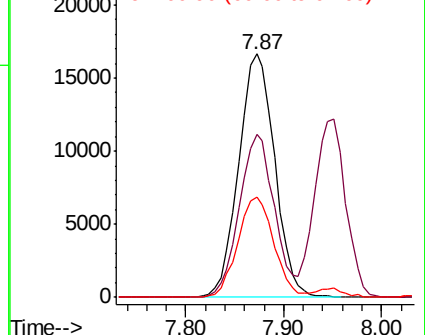


Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 60.741 ug/l

RT: 8.30 min Scan# 1050

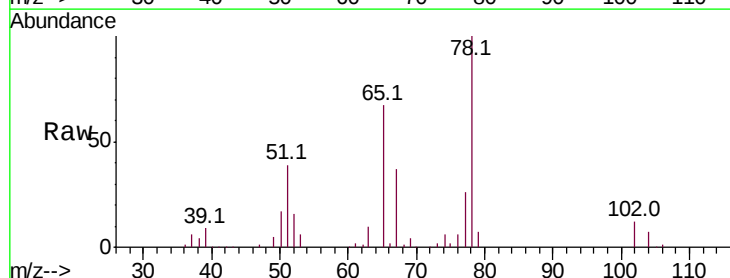
Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Tgt Ion: 65 Resp: 30567

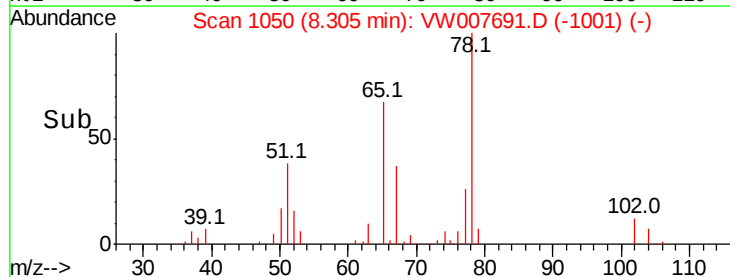
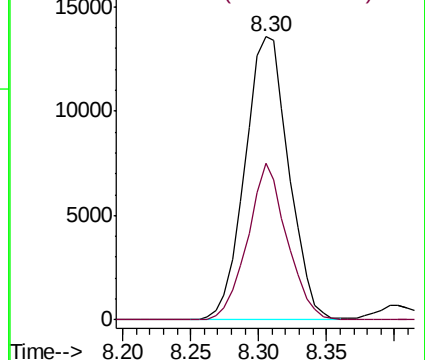
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	101.6

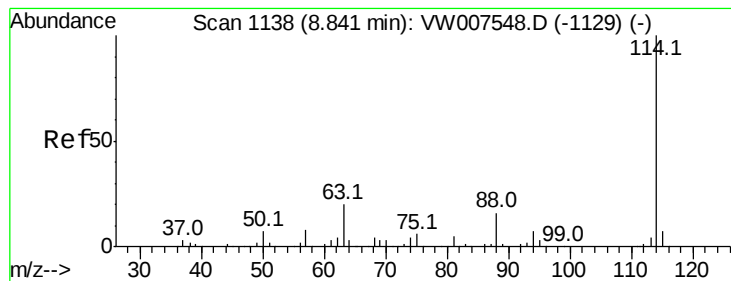


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

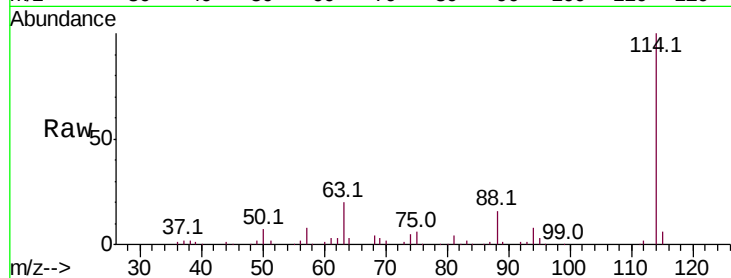
Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 74086

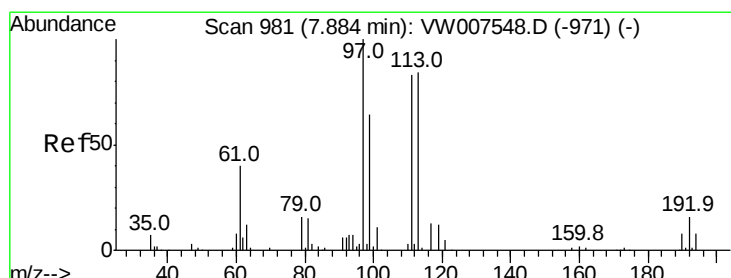
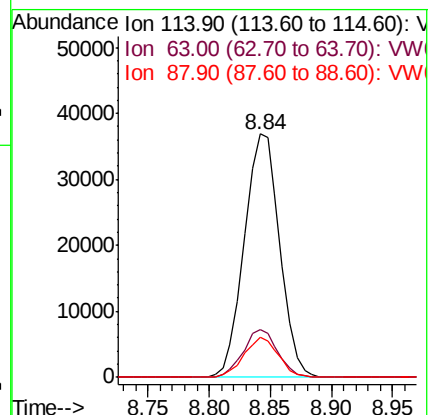
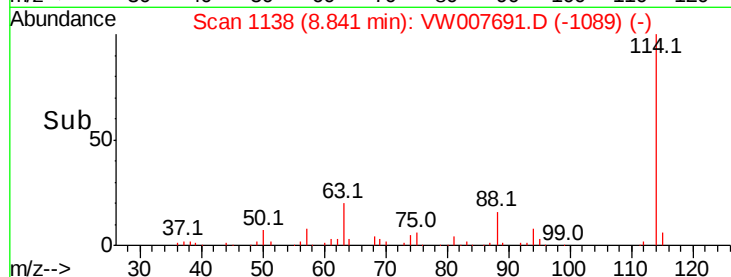
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	16.2	0.0	31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 57.803 ug/l

RT: 7.88 min Scan# 981

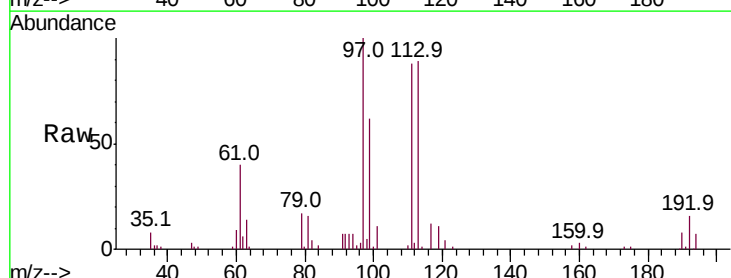
Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Tgt Ion:113 Resp: 25923

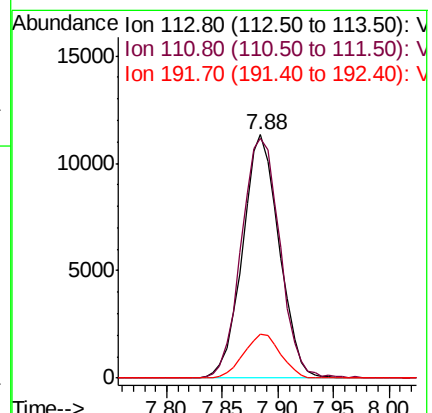
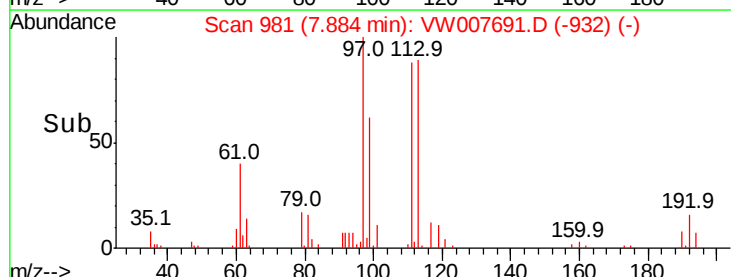
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.1	121.7
192	18.1	14.6	21.8

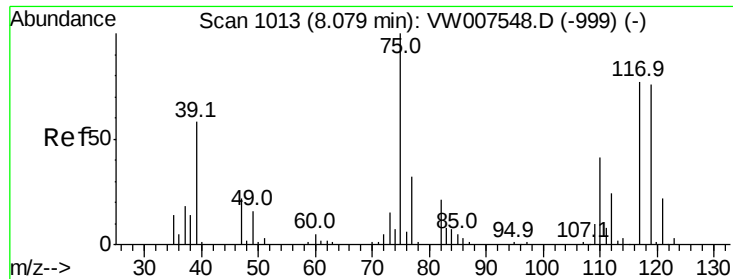


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

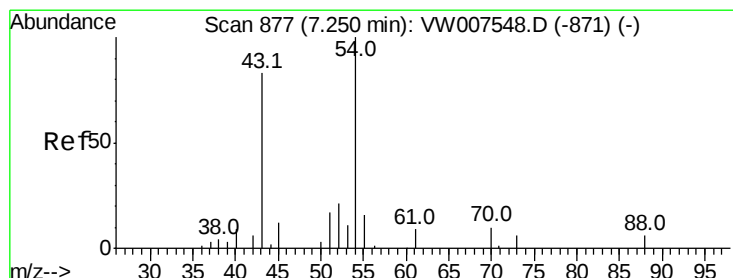
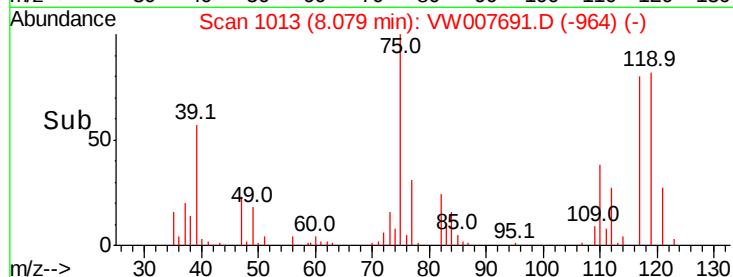
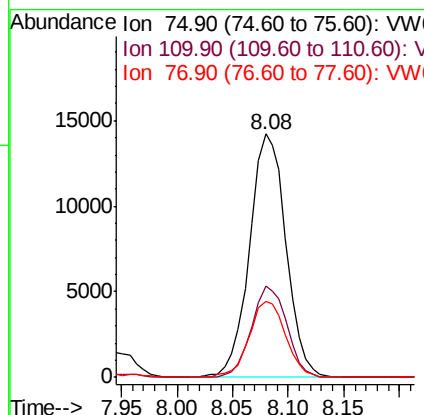
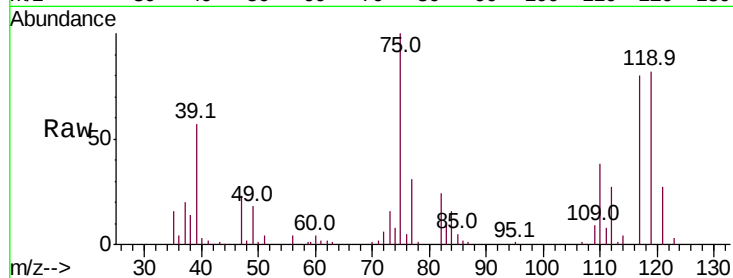




#36
 1,1-Dichloropropene
 Concen: 48.078 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

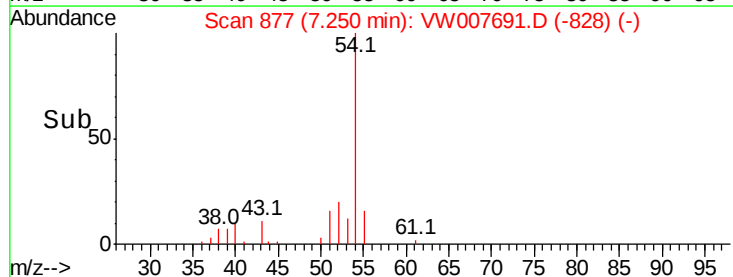
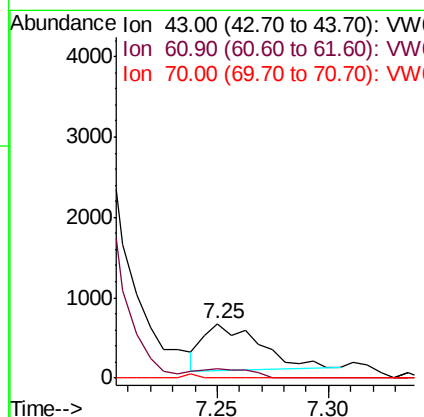
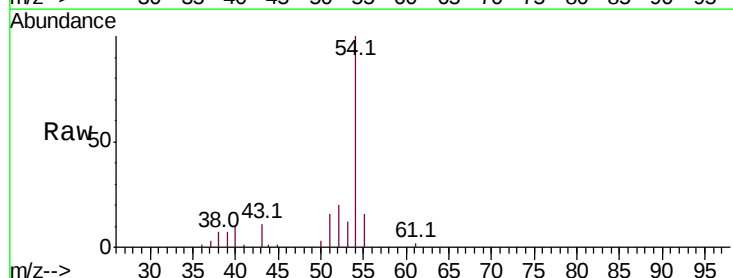
Instrument :
 MSVOA_D
 ClientSampleId :

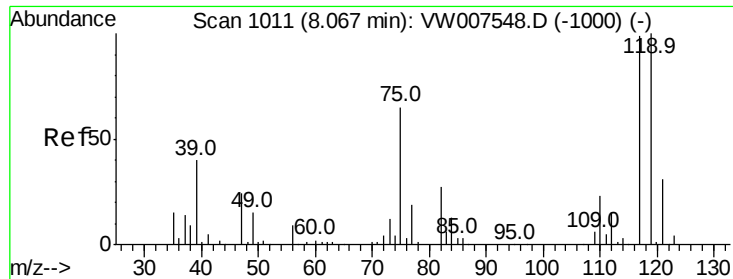
Tot Ion: 75 Resp: 32493
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.5 55.5
 77 31.1 25.6 38.4



#37
 Ethyl Acetate
 Concen: 4.046 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion: 43 Resp: 1017
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 1.9 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 51.683 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

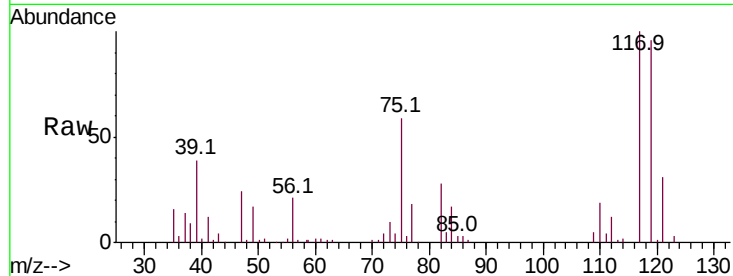
Tot Ion:117 Resp: 38006

Ion Ratio Lower Upper

117 100

119 95.6 74.3 111.5

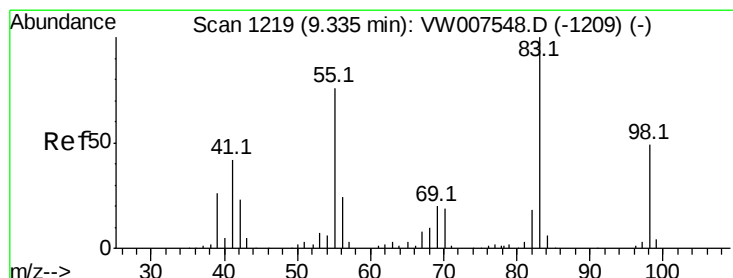
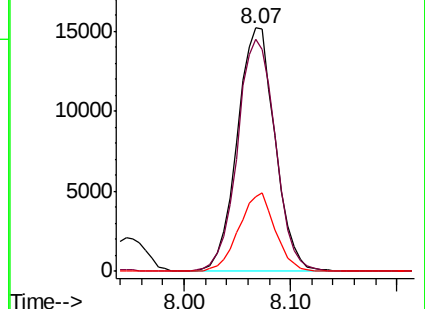
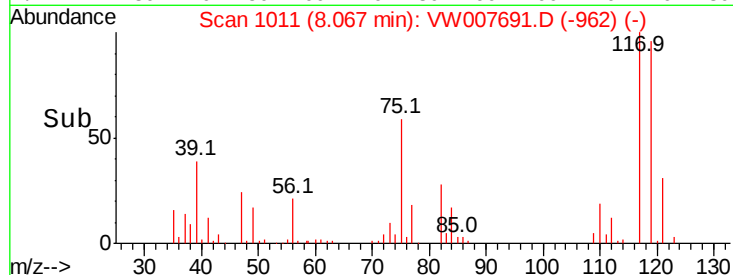
121 30.6 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 26.189 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

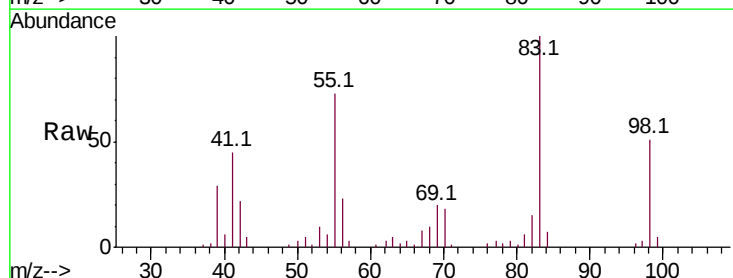
Tgt Ion: 83 Resp: 21432

Ion Ratio Lower Upper

83 100

55 72.8 62.8 94.2

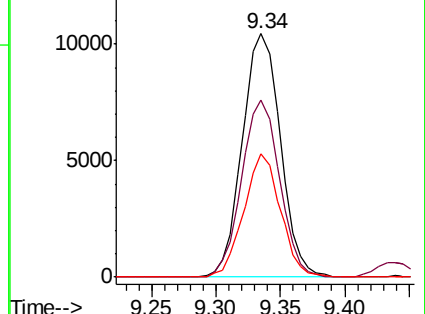
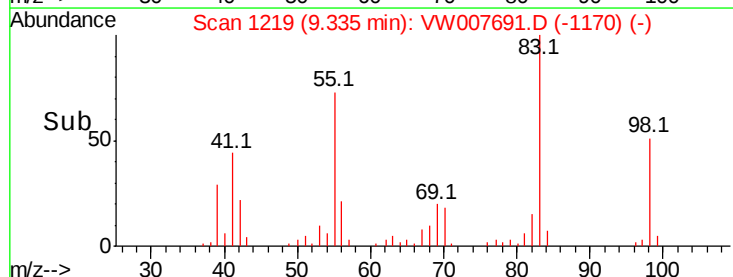
98 50.8 42.2 63.2

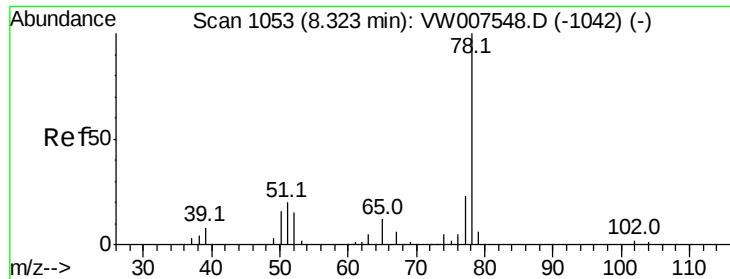


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 54.564 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

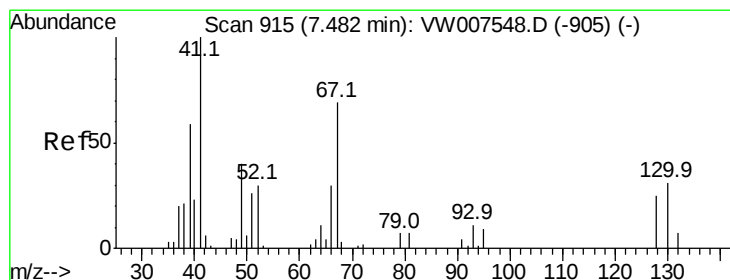
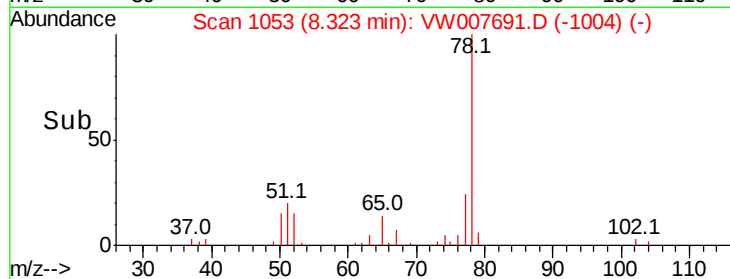
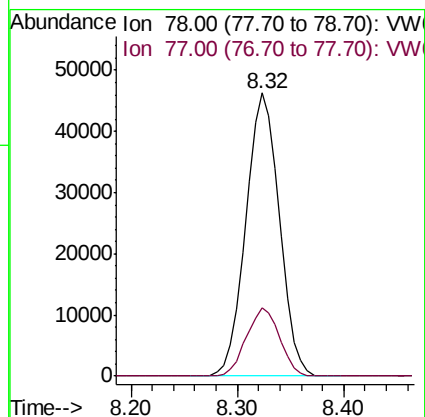
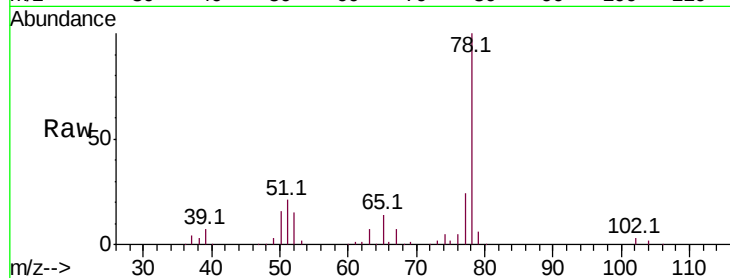
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 78 Resp: 102338

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2



#41

Methacrylonitrile

Concen: 58.291 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Tgt Ion: 41 Resp: 8344

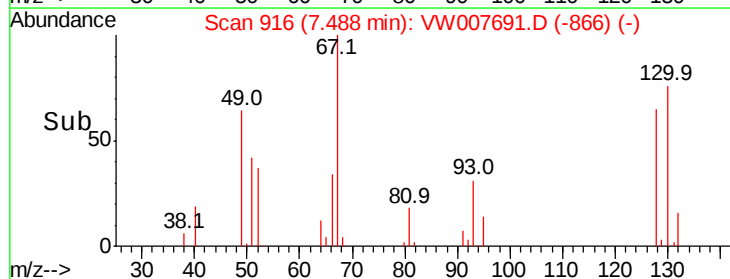
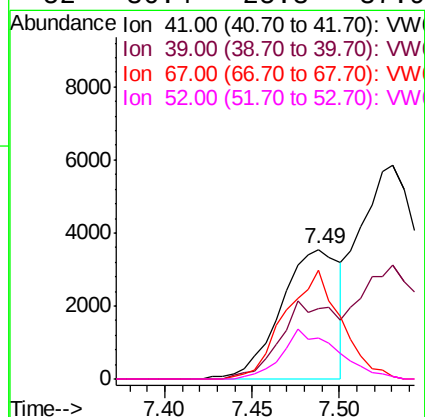
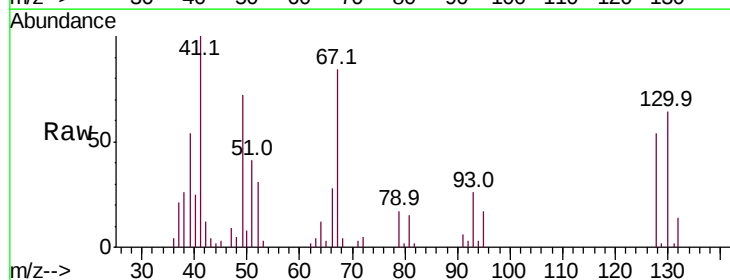
Ion Ratio Lower Upper

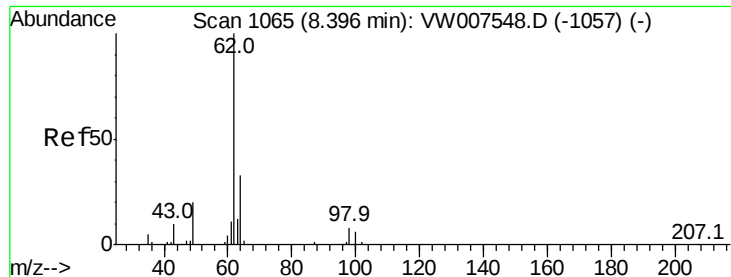
41 100

39 56.0 52.2 78.2

67 81.0 60.5 90.7

52 36.4 25.3 37.9





#42

1,2-Dichloroethane

Concen: 66.709 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

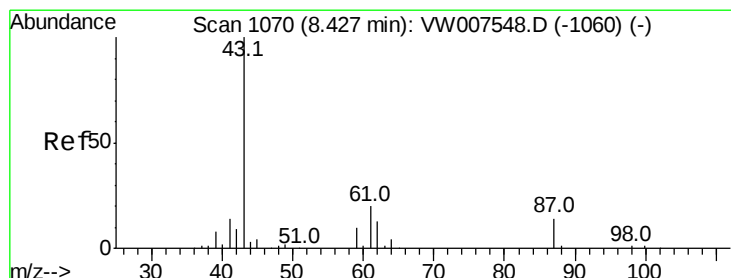
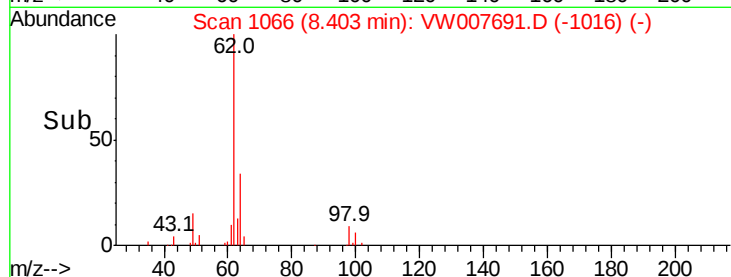
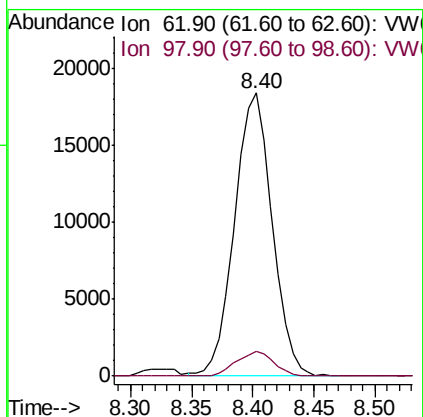
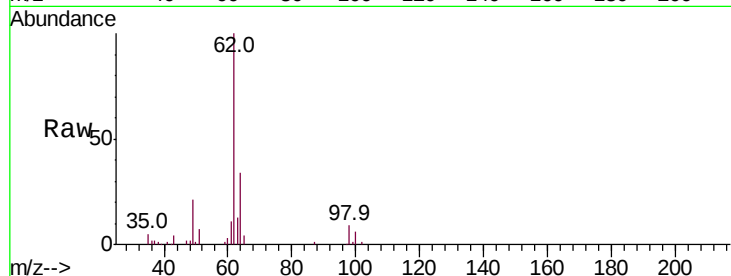
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 62 Resp: 39303

Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.6



#43

Isopropyl Acetate

Concen: 12.918 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

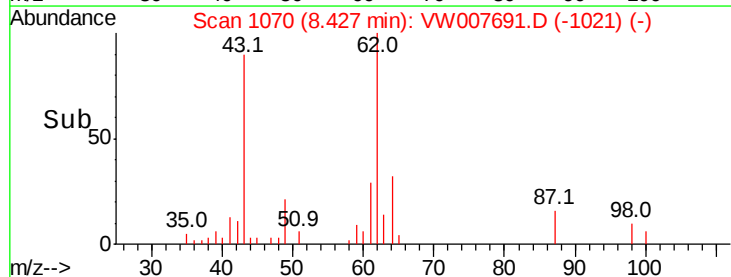
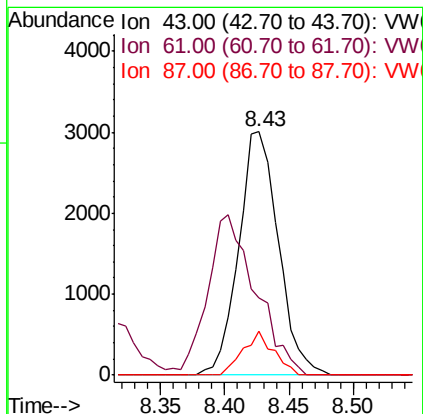
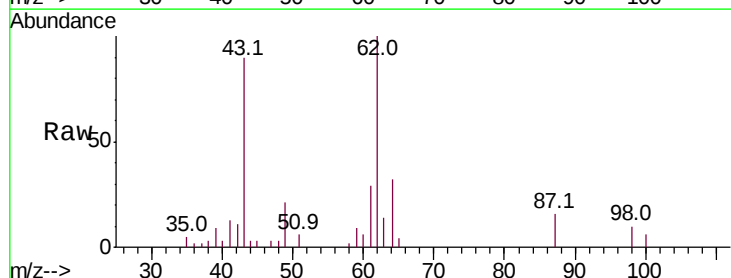
Tgt Ion: 43 Resp: 6414

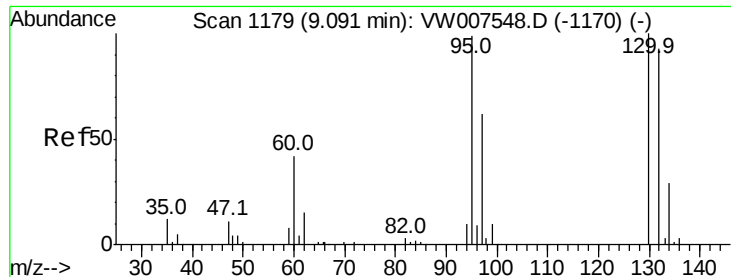
Ion Ratio Lower Upper

43 100

61 0.0 25.3 37.9#

87 13.7 11.8 17.8





#44

Trichloroethene

Concen: 51.081 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

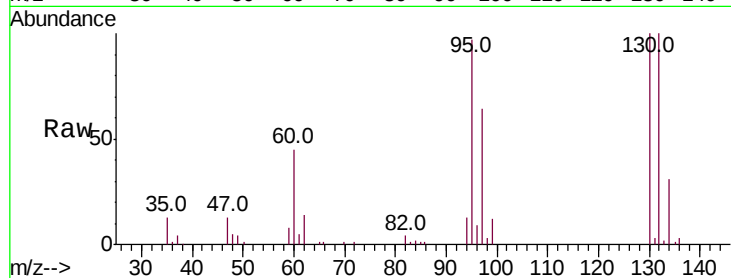
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:130 Resp: 27358

Ion Ratio Lower Upper

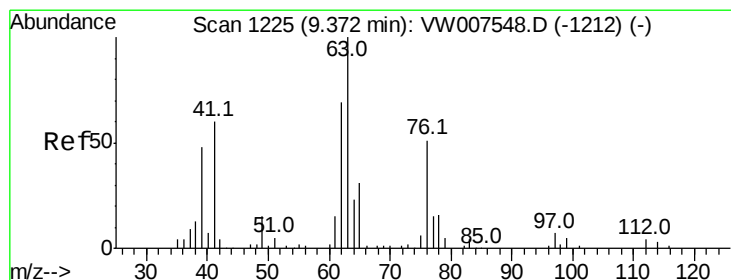
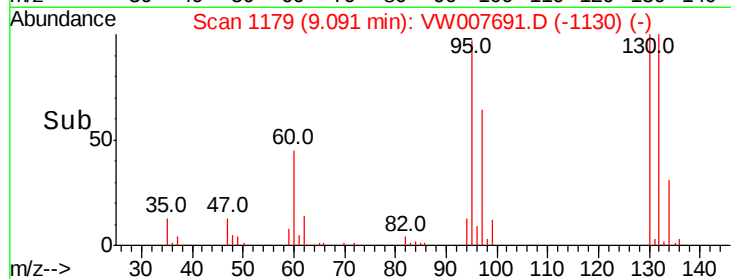
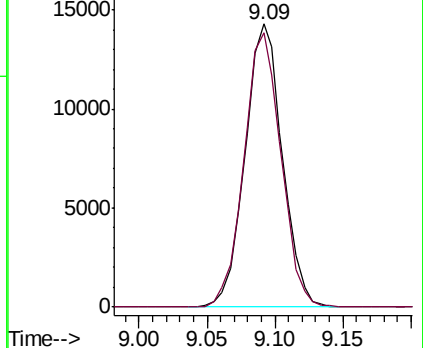
130 100

95 96.9 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 56.978 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007691.D

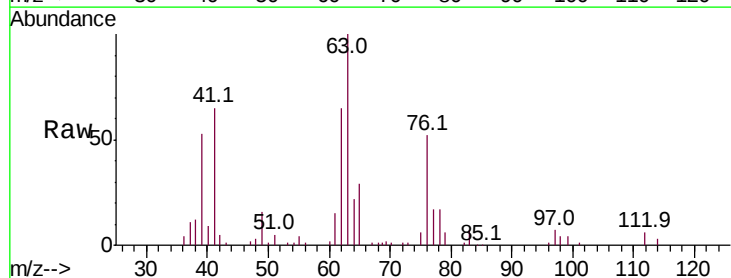
Acq: 19 Dec 2018 07:34

Tgt Ion: 63 Resp: 24730

Ion Ratio Lower Upper

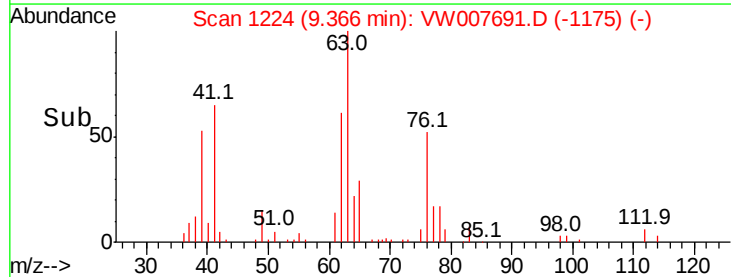
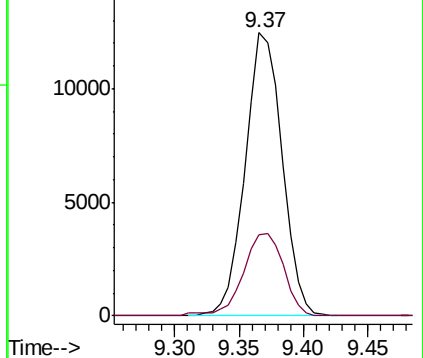
63 100

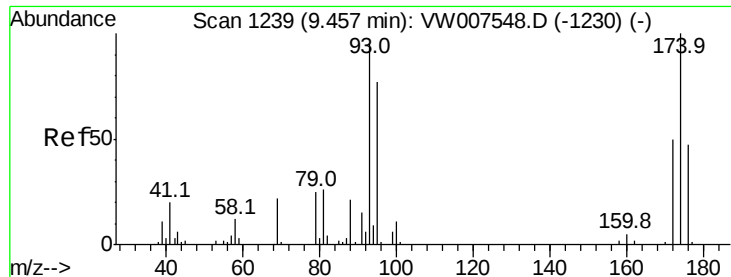
65 28.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

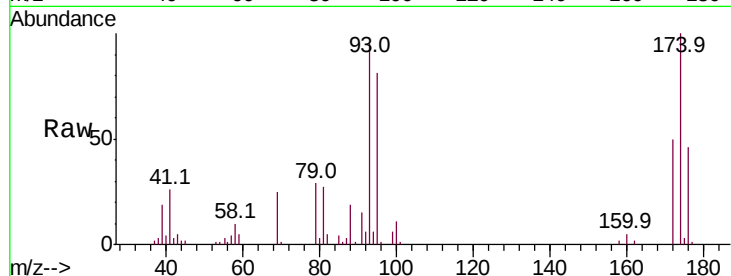




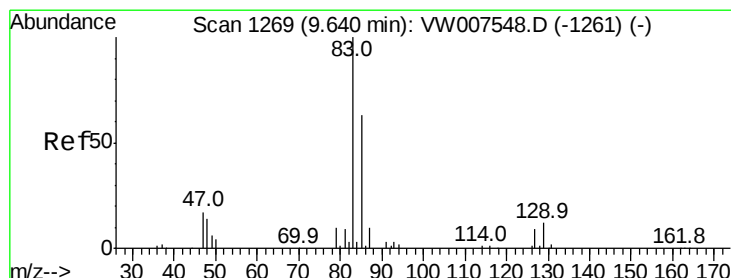
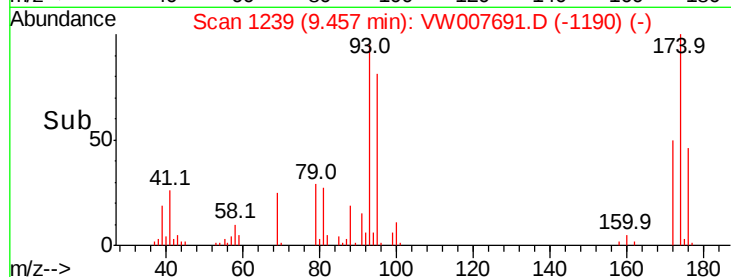
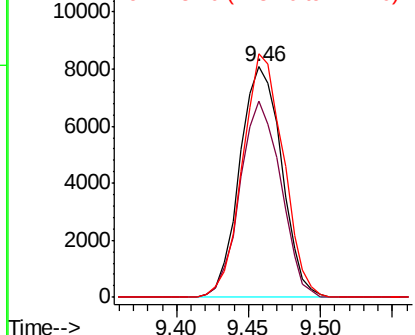
#46
 Dibromomethane
 Concen: 66.132 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 93 Resp: 16300
 Ion Ratio Lower Upper
 93 100
 95 82.7 68.0 102.0
 174 102.8 83.2 124.8

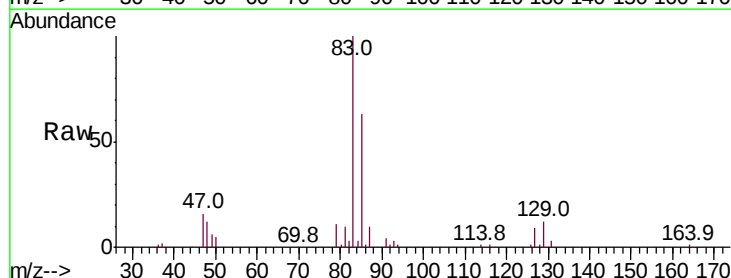


Abundance Ion 92.80 (92.50 to 93.50): VW
 Ion 94.80 (94.50 to 95.50): VW
 Ion 173.70 (173.40 to 174.40): V

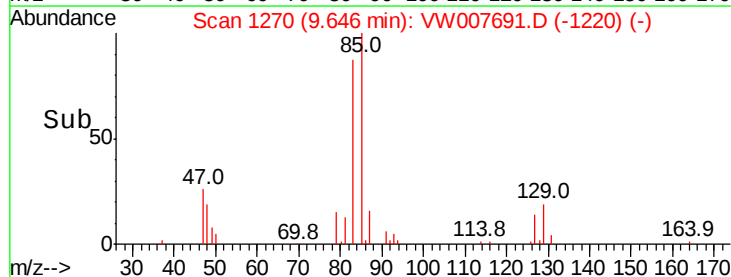
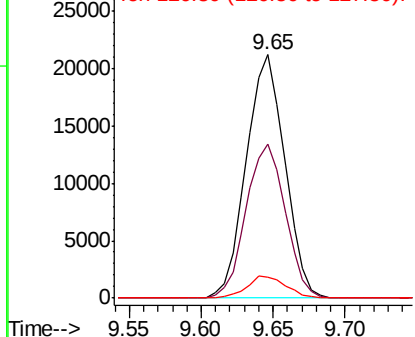


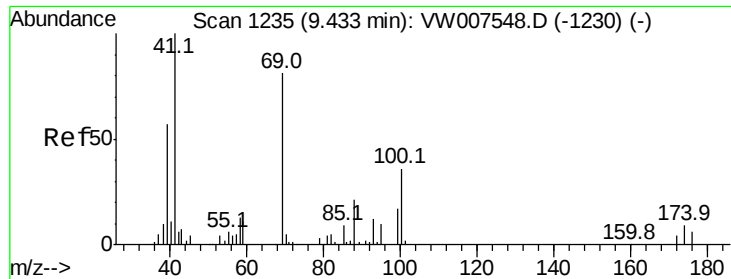
#47
 Bromodichloromethane
 Concen: 60.770 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion: 83 Resp: 39289
 Ion Ratio Lower Upper
 83 100
 85 63.2 47.6 71.4
 127 8.6 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

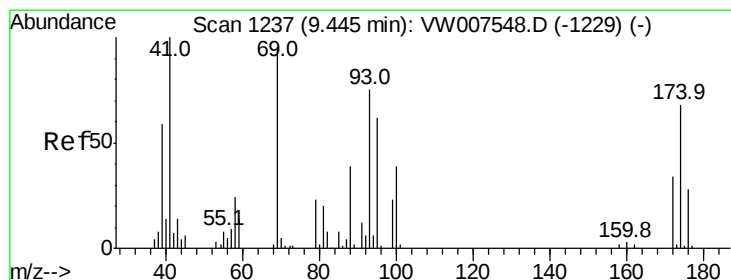
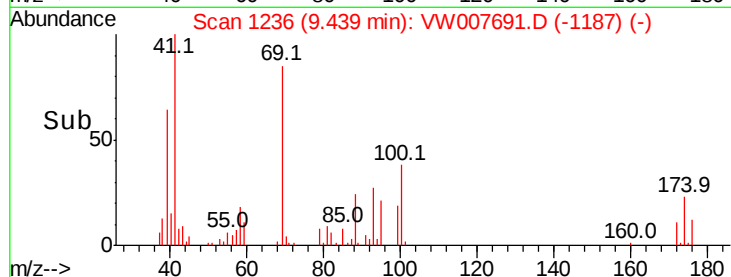
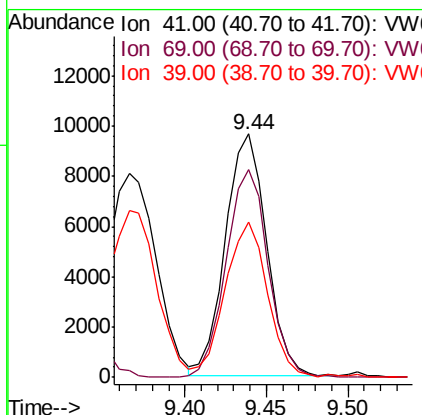
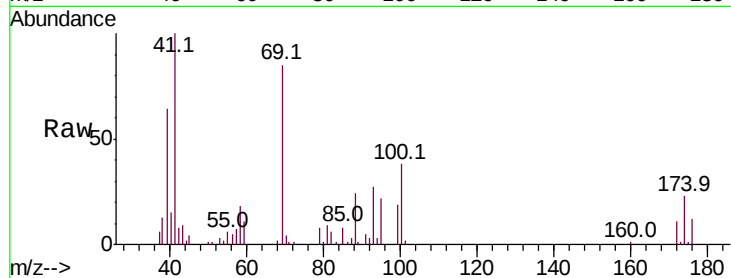




#48
Methvl methacrylate
Concen: 66.355 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

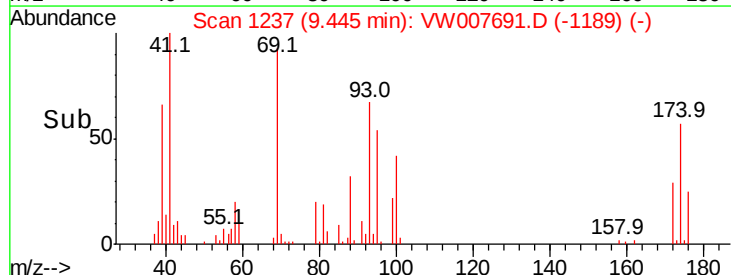
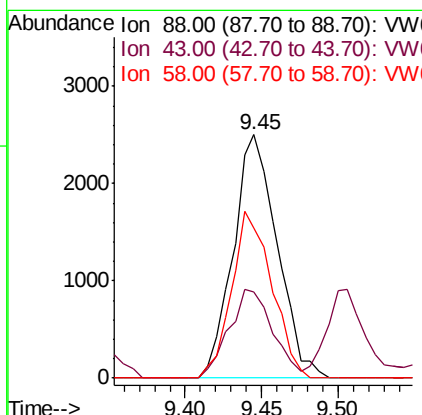
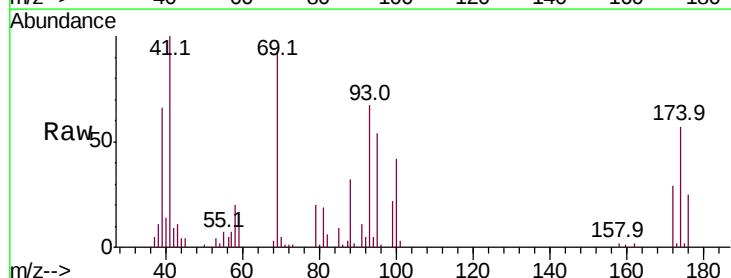
Instrument :
MSVOA_D
ClientSampleId :

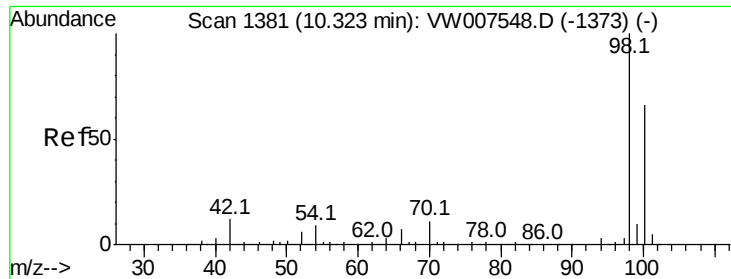
Tot Ion: 41 Resp: 16921
Ion Ratio Lower Upper
41 100
69 88.1 69.8 104.8
39 65.9 50.9 76.3



#49
1,4-Dioxane
Concen: 1246.974 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 88 Resp: 4987
Ion Ratio Lower Upper
88 100
43 36.3 25.0 37.4
58 62.8 51.4 77.2





#50

Toluene-d8

Concen: 47.616 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

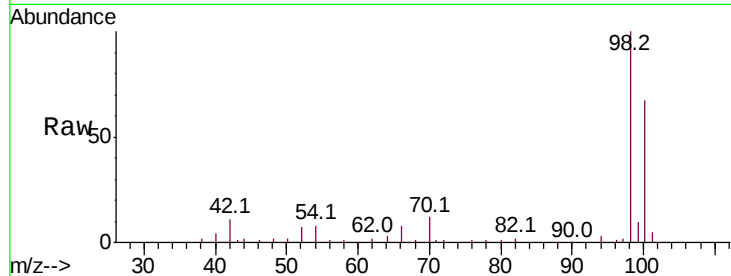
ClientSampled :

Tot Ion: 98 Resp: 80068

Ion Ratio Lower Upper

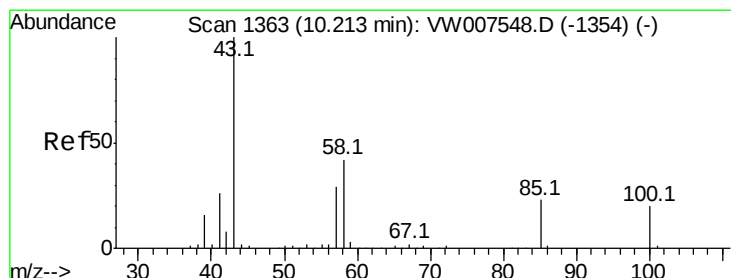
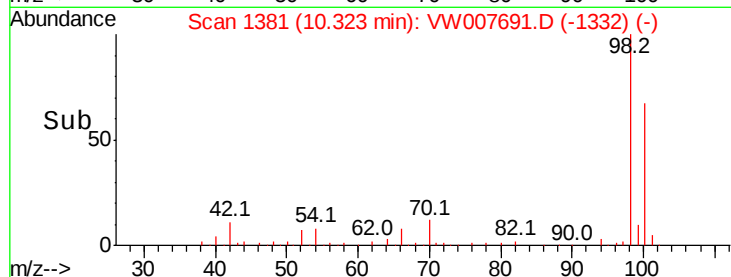
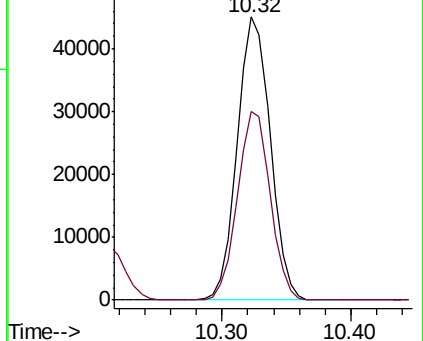
98 100

100 66.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 313.793 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007691.D

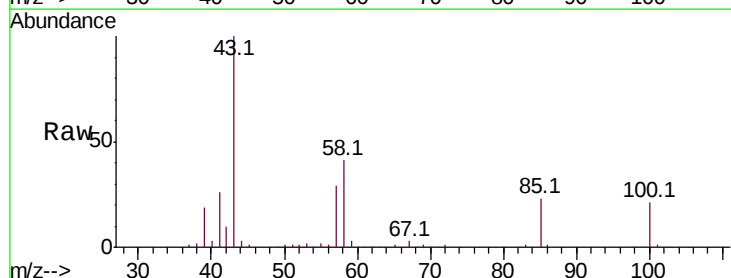
Acq: 19 Dec 2018 07:34

Tgt Ion: 43 Resp: 73619

Ion Ratio Lower Upper

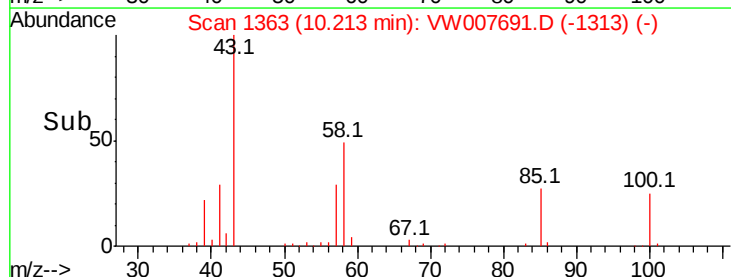
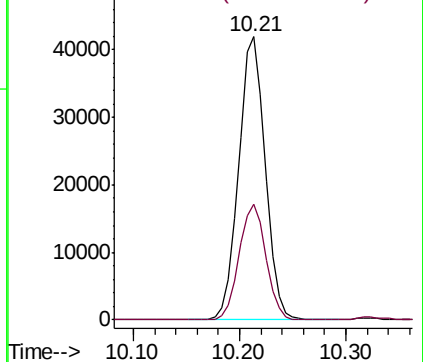
43 100

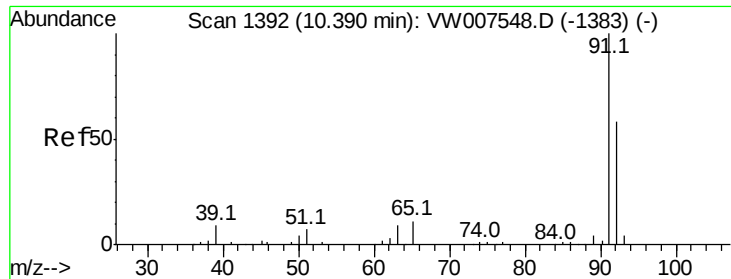
58 41.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 51.949 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

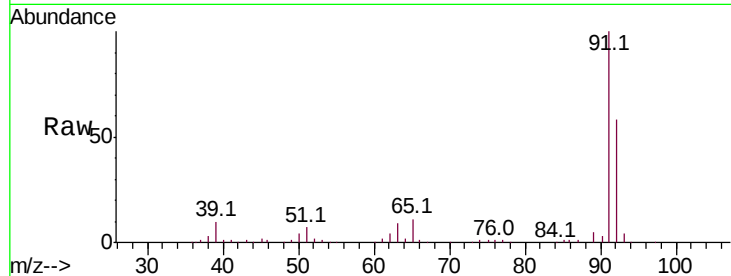
ClientSampleId :

Tot Ion: 92 Resp: 63054

Ion Ratio Lower Upper

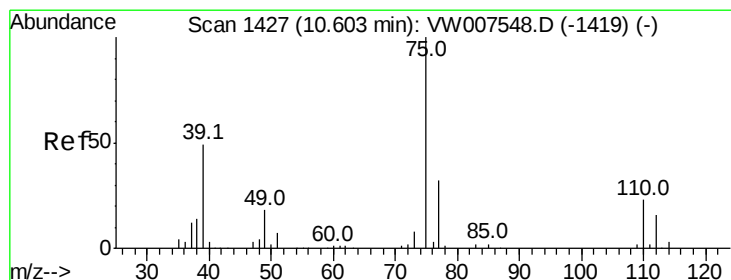
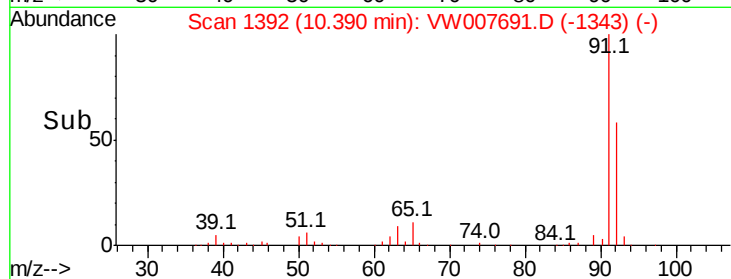
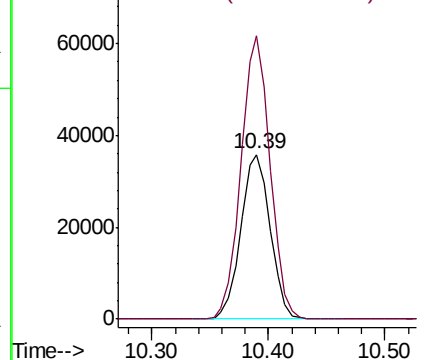
92 100

91 169.8 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 56.985 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007691.D

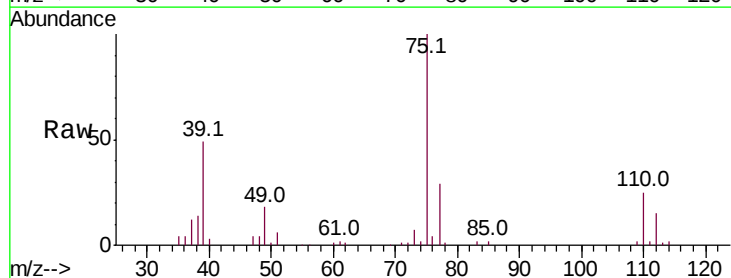
Acq: 19 Dec 2018 07:34

Tgt Ion: 75 Resp: 35767

Ion Ratio Lower Upper

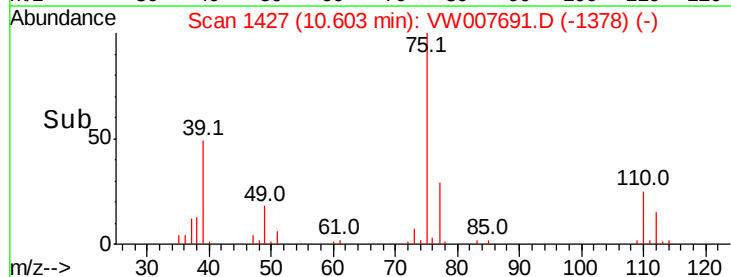
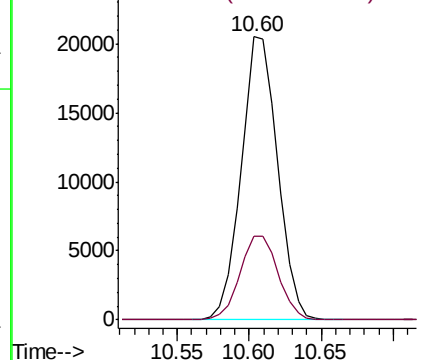
75 100

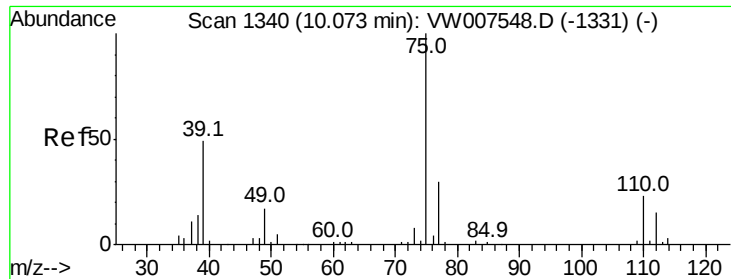
77 29.4 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#54

cis-1,3-Dichloropropene

Concen: 53.645 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampled :

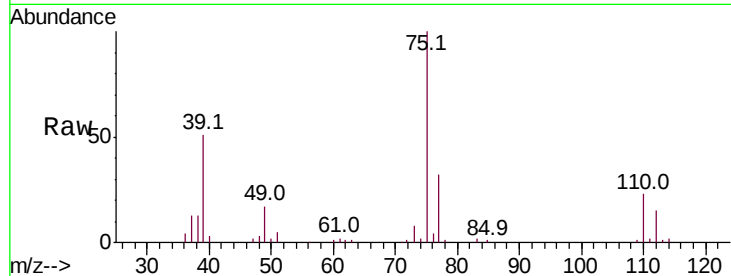
Tot Ion: 75 Resp: 38924

Ion Ratio Lower Upper

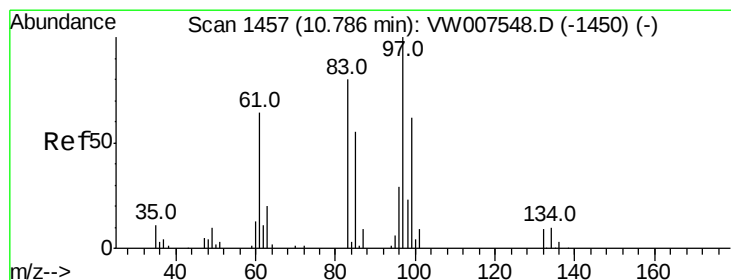
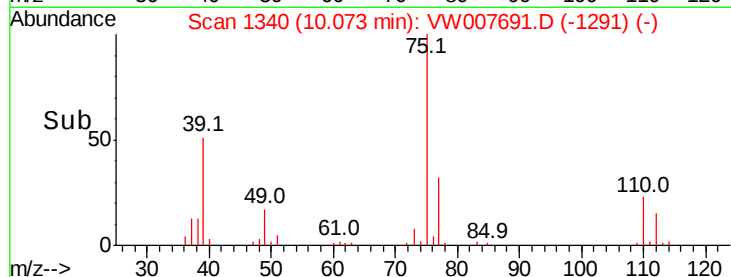
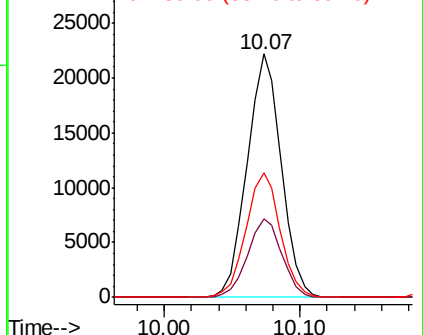
75 100

77 32.1 24.8 37.2

39 51.1 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 76.90 (76.60 to 77.60): VW
Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 66.411 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Tgt Ion: 97 Resp: 22278

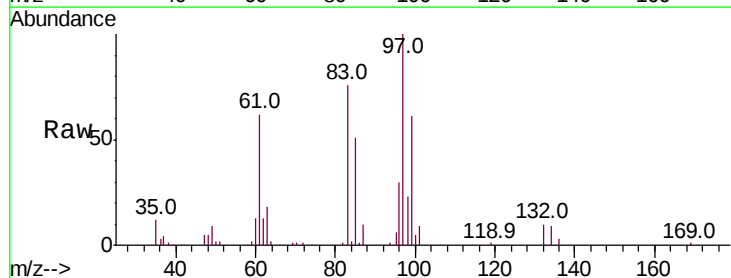
Ion Ratio Lower Upper

97 100

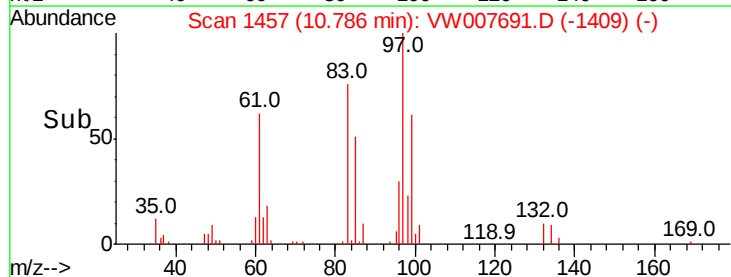
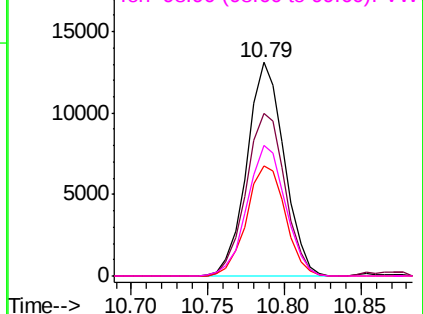
83 76.1 62.1 93.1

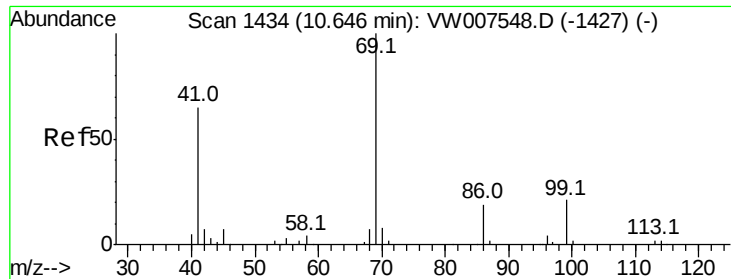
85 51.5 44.2 66.4

99 60.9 50.2 75.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 6.508 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampled :

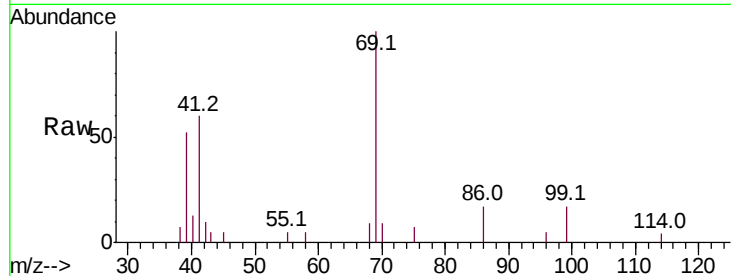
Tot Ion: 69 Resp: 2624

Ion Ratio Lower Upper

69 100

41 63.2 51.0 76.6

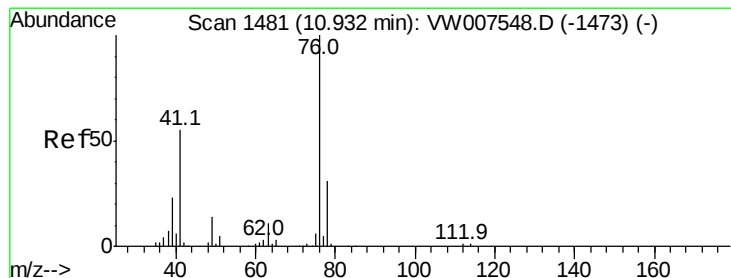
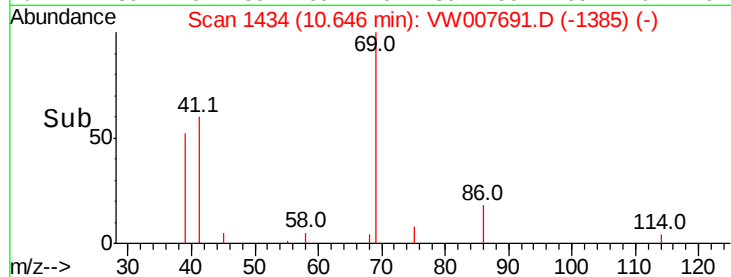
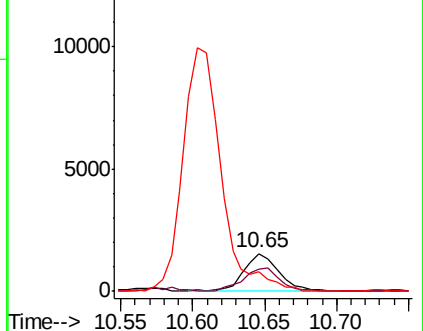
39 0.0 30.8 46.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#57

1,3-Dichloropropane

Concen: 64.927 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007691.D

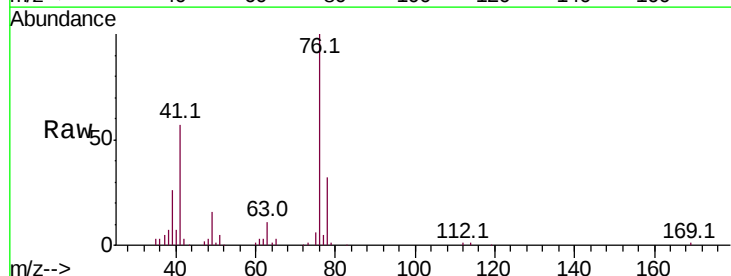
Acq: 19 Dec 2018 07:34

Tgt Ion: 76 Resp: 35749

Ion Ratio Lower Upper

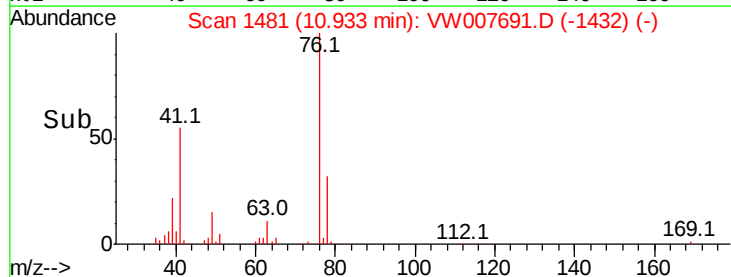
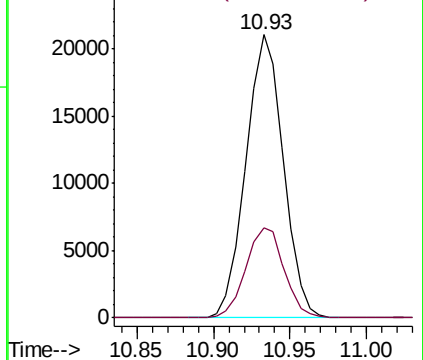
76 100

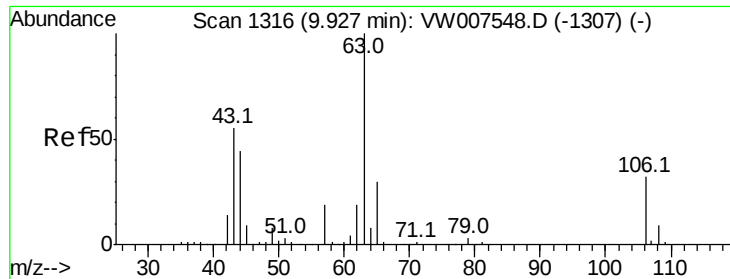
78 32.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

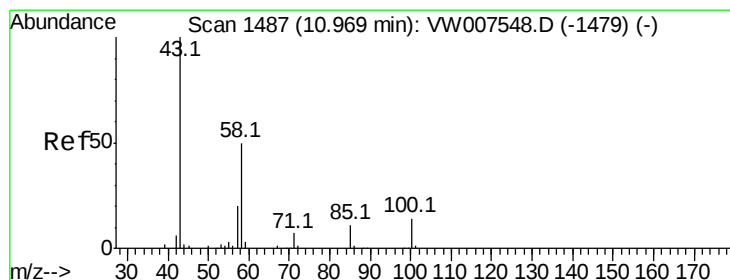
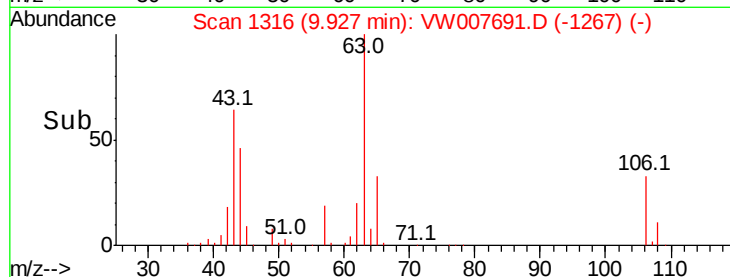
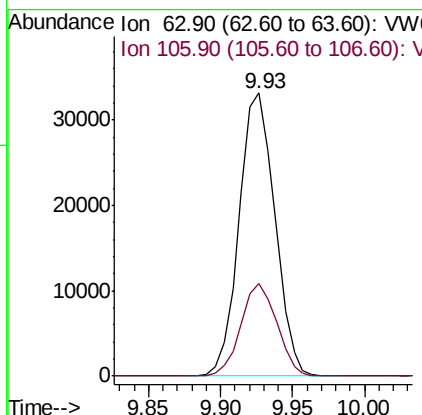
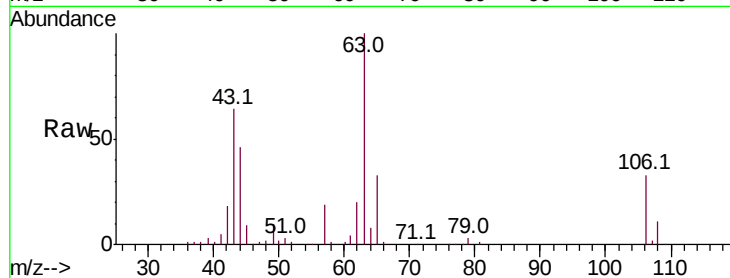




#58
2-Chloroethyl Vinyl ether
Concen: 307.280 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

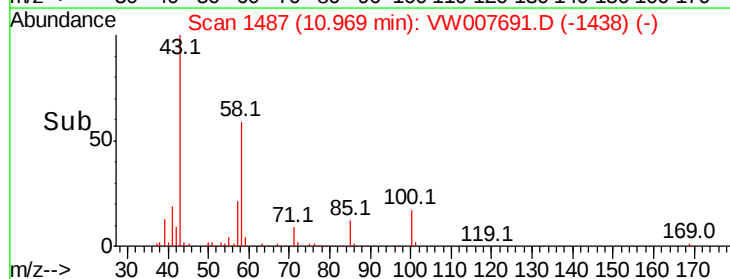
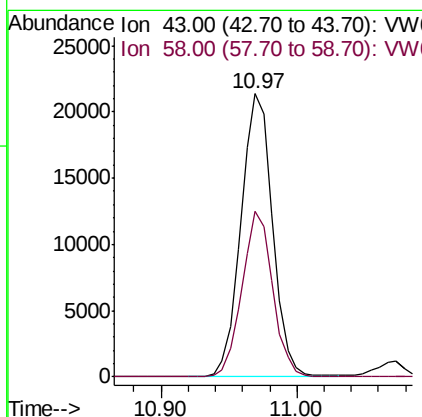
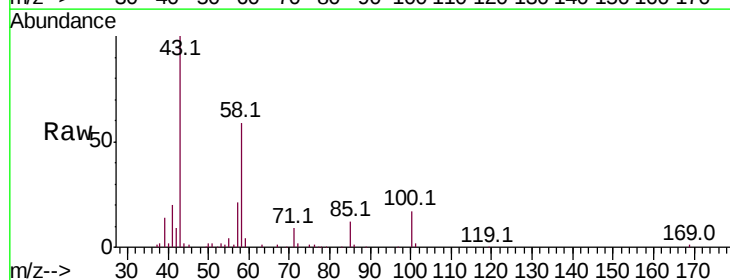
Instrument :
MSVOA_D
ClientSampleId :

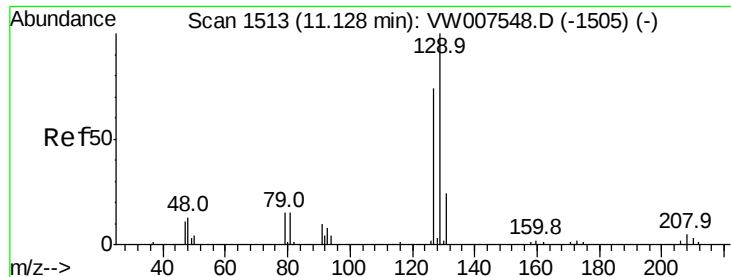
Tot Ion: 63 Resp: 57135
Ion Ratio Lower Upper
63 100
106 32.9 25.0 37.6



#59
2-Hexanone
Concen: 222.158 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 43 Resp: 34754
Ion Ratio Lower Upper
43 100
58 56.6 27.1 81.3





#60

Dibromochloromethane

Concen: 63.123 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

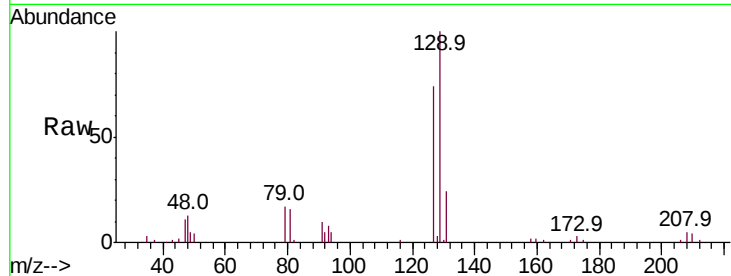
ClientSampleId :

Tot Ion:129 Resp: 26723

Ion Ratio Lower Upper

129 100

127 74.9 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

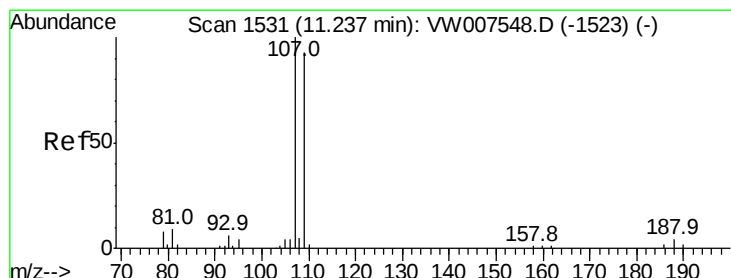
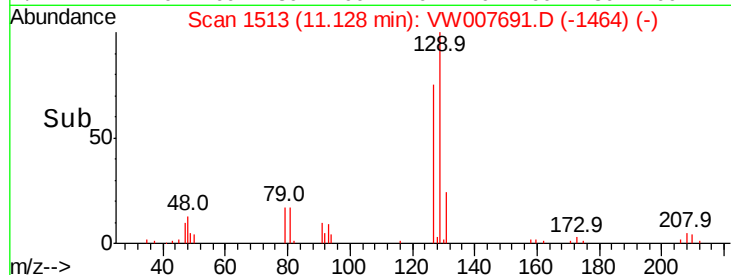
15000

10000

5000

0

Time--> 11.05 11.10 11.15 11.20



#61

1,2-Dibromoethane

Concen: 63.404 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007691.D

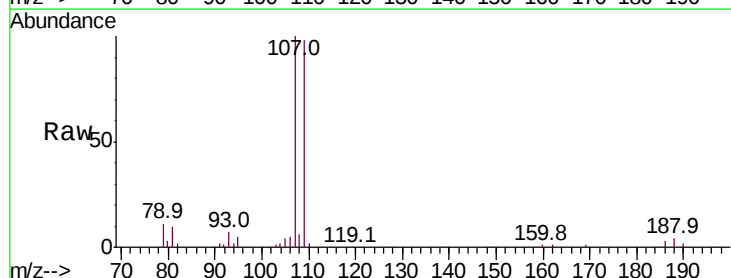
Acq: 19 Dec 2018 07:34

Tgt Ion:107 Resp: 21019

Ion Ratio Lower Upper

107 100

109 96.9 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

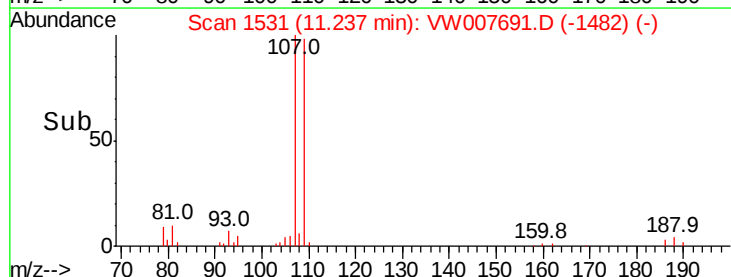
11.24

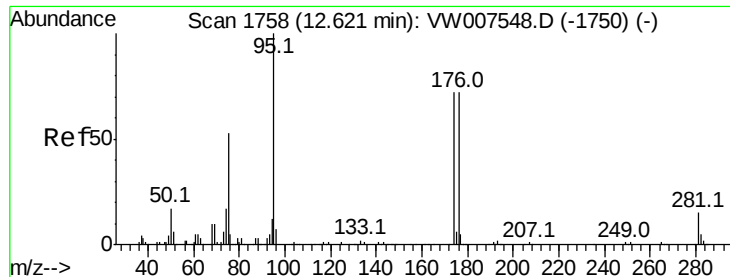
10000

5000

0

Time--> 11.15 11.20 11.25 11.30

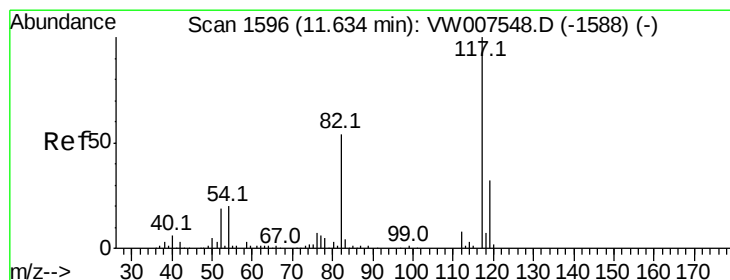
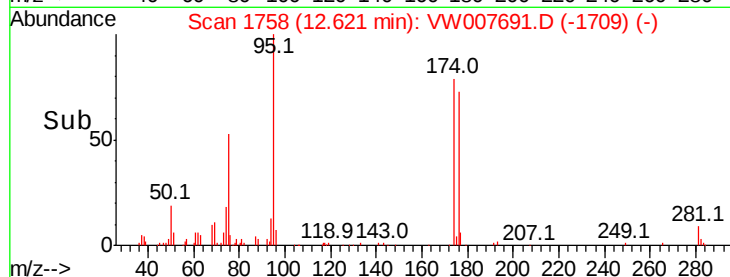
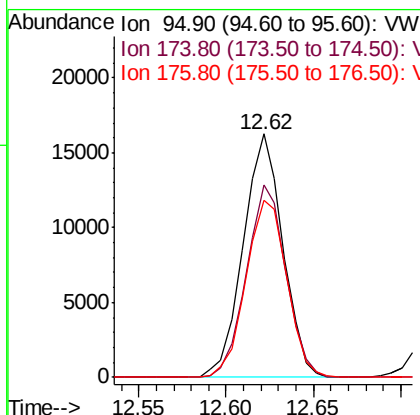
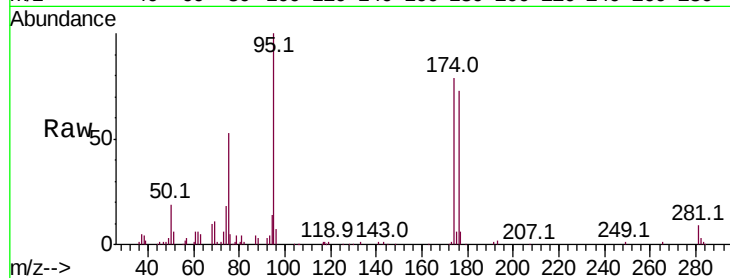




#62
4-Bromofluorobenzene
Concen: 41.240 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

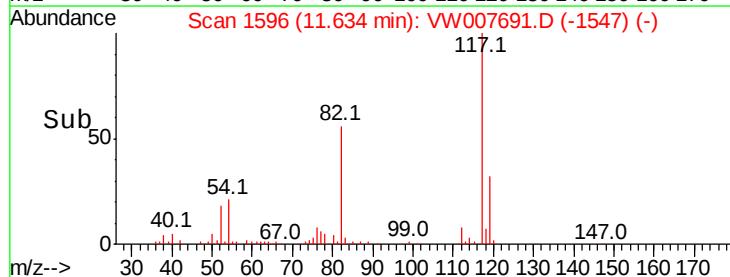
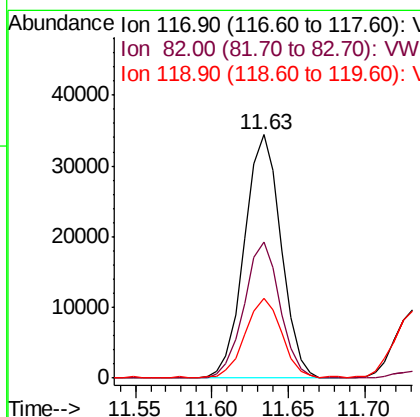
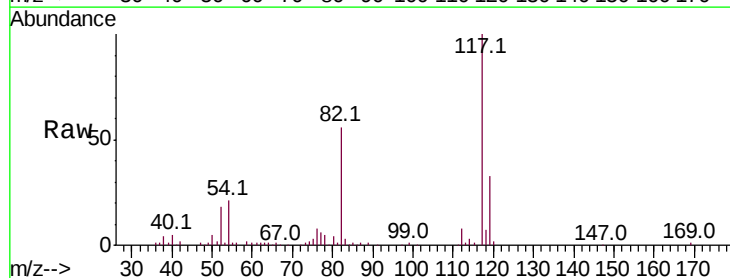
Instrument :
MSVOA_D
ClientSampleId :

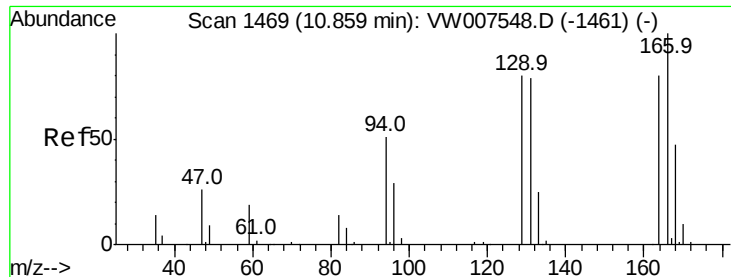
Tot Ion	95	Resp	25497
Ion Ratio	Lower	Upper	
95	100		
174	78.5	0.0	147.2
176	75.4	0.0	138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion	117	Resp	57545
Ion Ratio	Lower	Upper	
117	100		
82	55.8	42.3	63.5
119	32.3	23.0	34.6





#64

Tetrachloroethene

Concen: 42.806 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:164 Resp: 17714

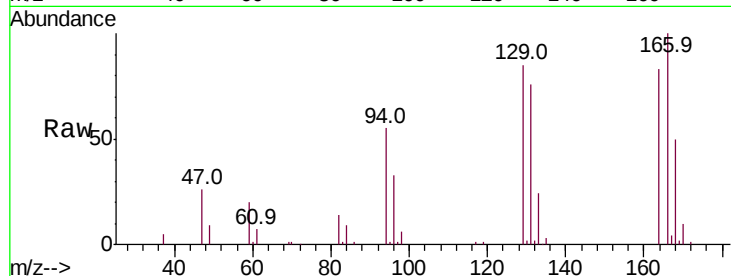
Ion Ratio Lower Upper

164 100

166 120.9 107.9 161.9

129 102.7 73.4 110.2

131 91.8 75.8 113.6

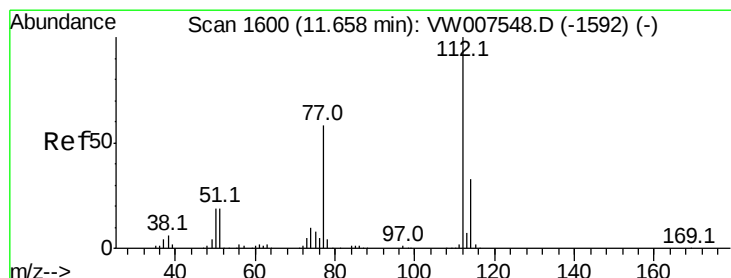
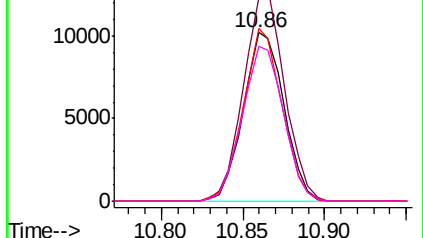
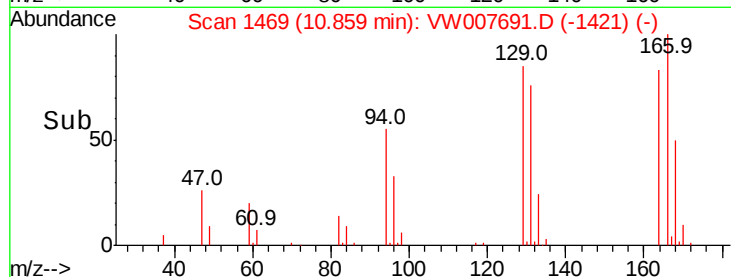


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.629 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007691.D

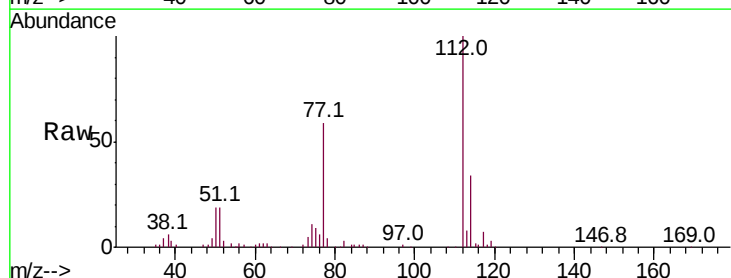
Acq: 19 Dec 2018 07:34

Tgt Ion:112 Resp: 63124

Ion Ratio Lower Upper

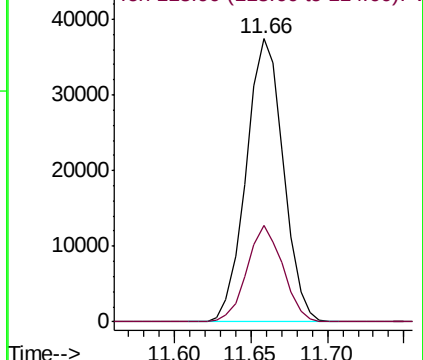
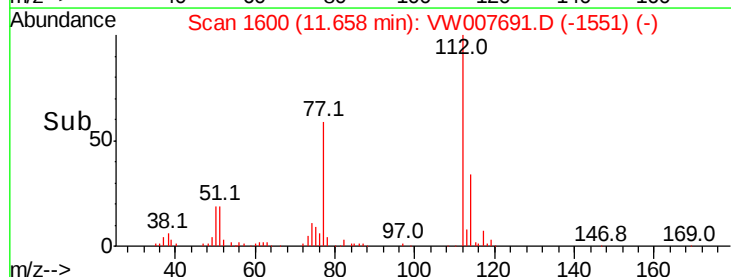
112 100

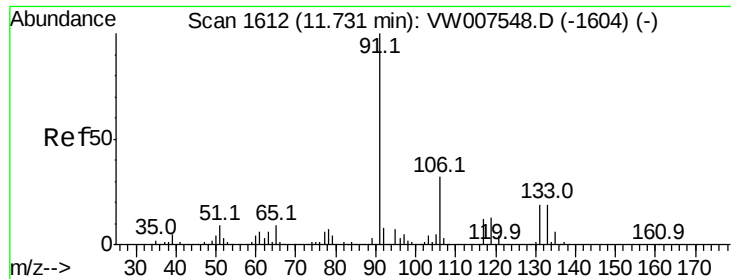
114 33.9 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

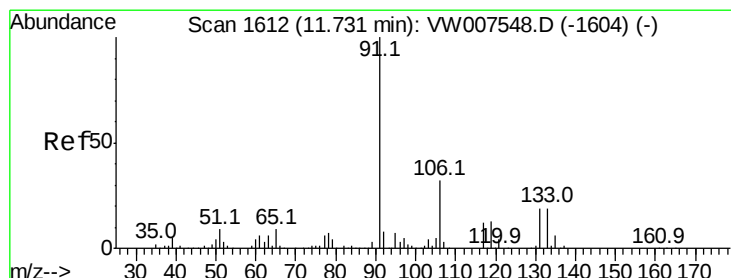
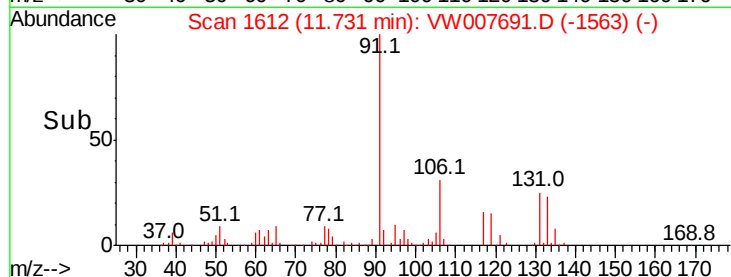
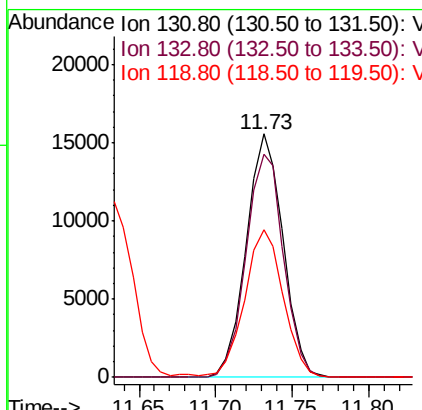
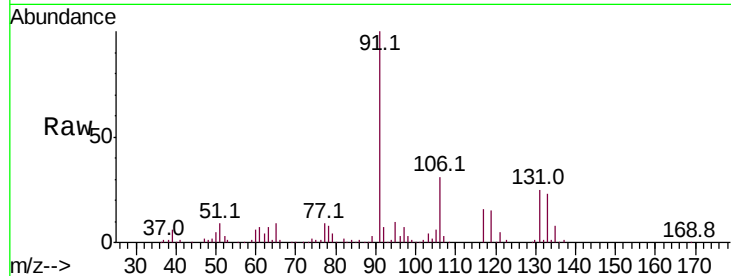




#66
1,1,1,2-Tetrachloroethane
Concen: 61.494 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

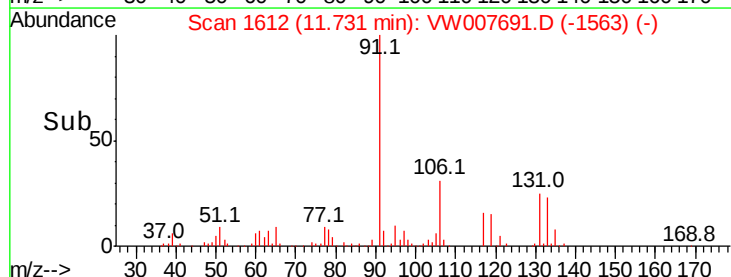
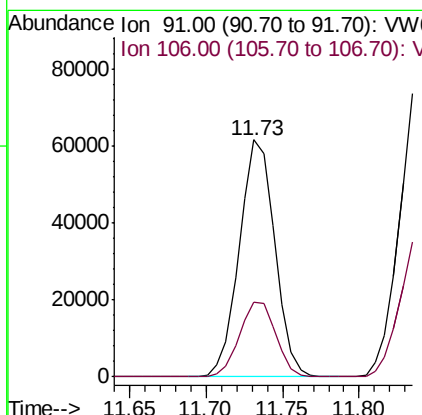
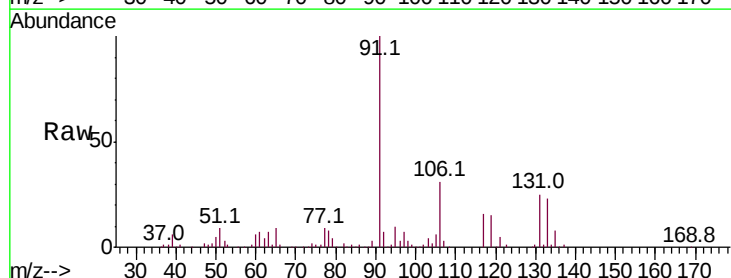
Instrument :
MSVOA_D
ClientSampleId :

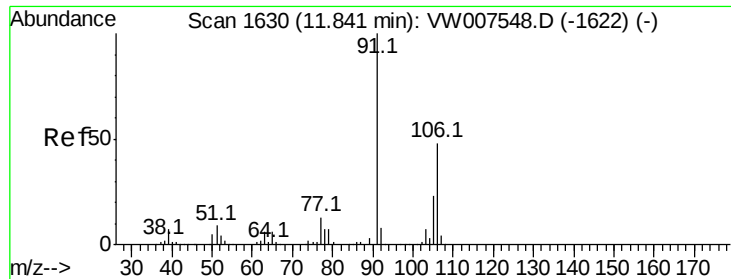
Tot Ion:131 Resp: 25977
Ion Ratio Lower Upper
131 100
133 93.5 47.1 141.4
119 63.7 31.3 93.9



#67
Ethyl Benzene
Concen: 48.070 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 91 Resp: 99127
Ion Ratio Lower Upper
91 100
106 31.5 21.8 32.8





#68

m/p-Xylenes

Concen: 97.106 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

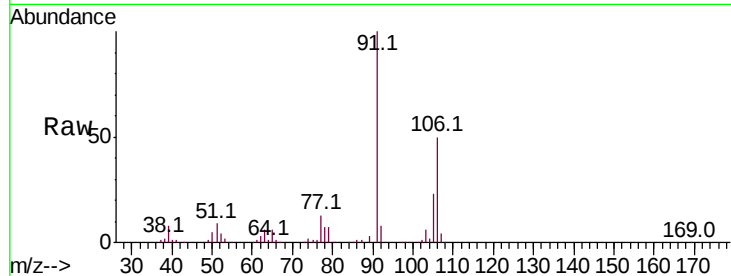
ClientSampleId :

Tot Ion:106 Resp: 77847

Ion Ratio Lower Upper

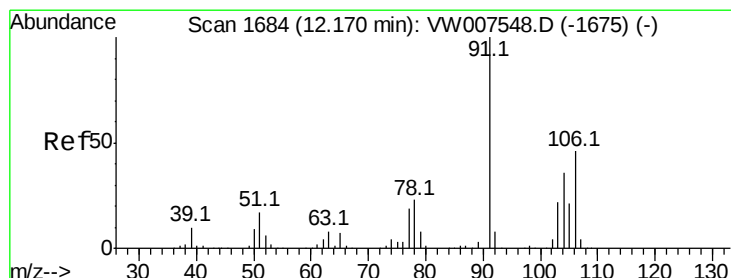
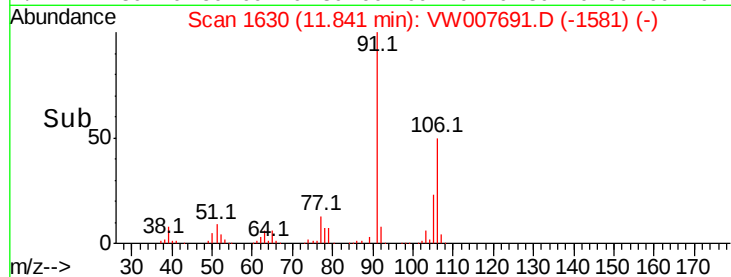
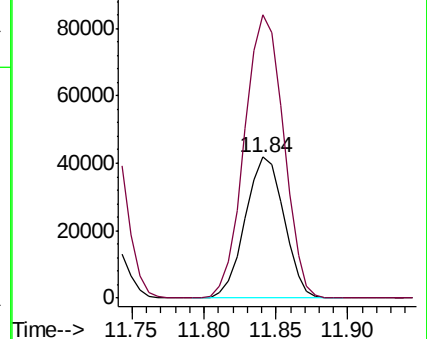
106 100

91 203.6 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 49.185 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007691.D

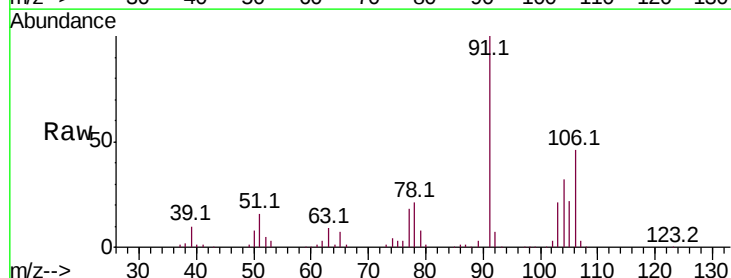
Acq: 19 Dec 2018 07:34

Tgt Ion:106 Resp: 36825

Ion Ratio Lower Upper

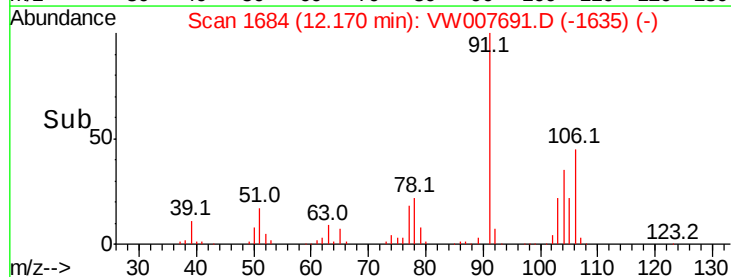
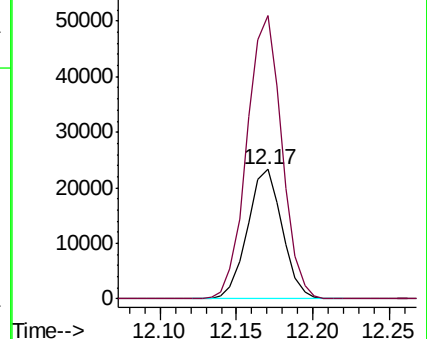
106 100

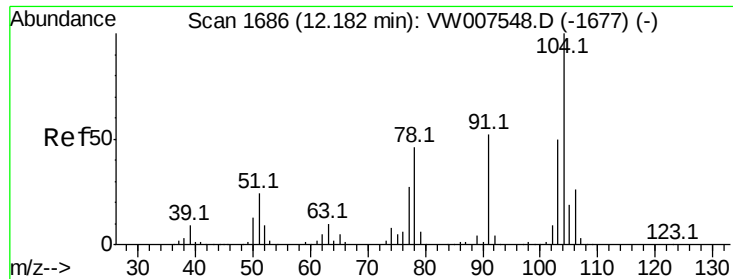
91 219.3 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

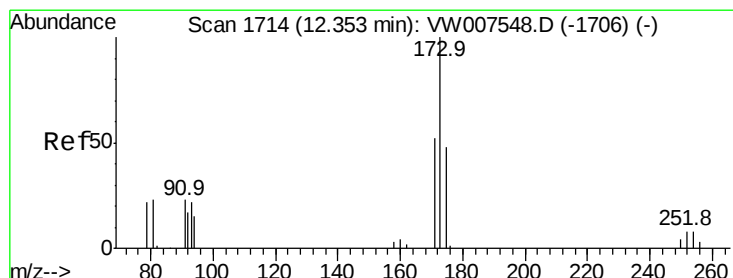
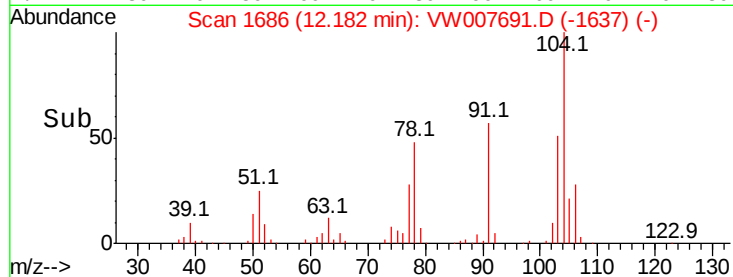
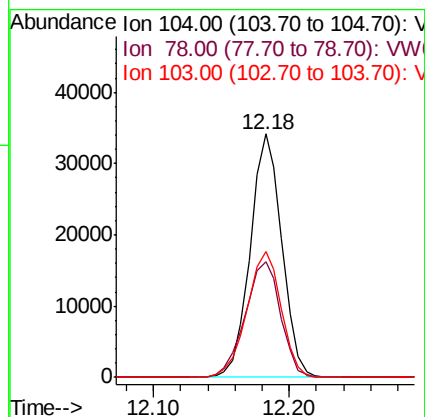
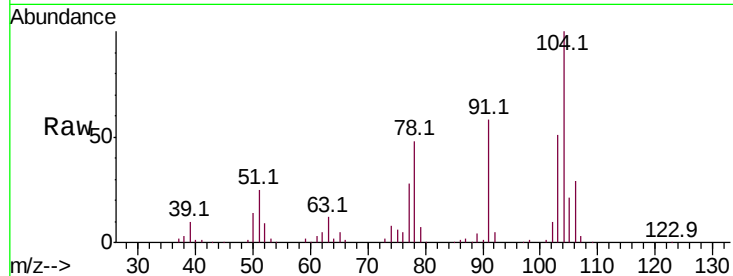




#70
Stvrene
Concen: 45.881 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

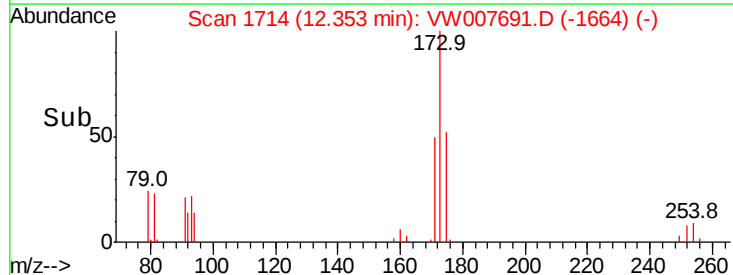
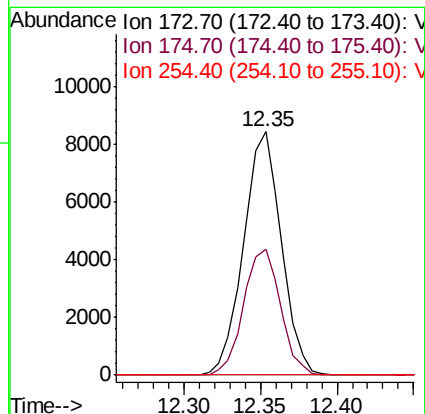
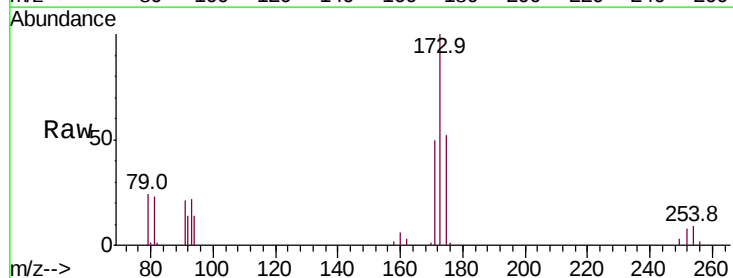
Instrument :
MSVOA_D
ClientSampleId :

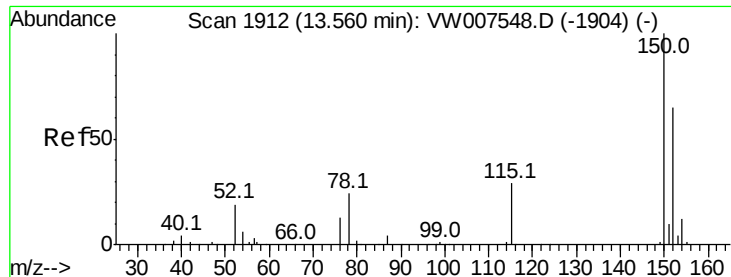
Tot Ion:104 Resp: 55485
Ion Ratio Lower Upper
104 100
78 53.5 41.8 62.8
103 55.9 46.6 69.8



#71
Bromoform
Concen: 66.913 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion:173 Resp: 14468
Ion Ratio Lower Upper
173 100
175 50.4 23.6 70.8
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

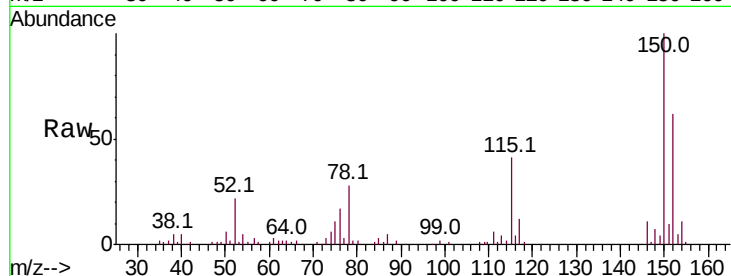
Tot Ion:152 Resp: 20744

Ion Ratio Lower Upper

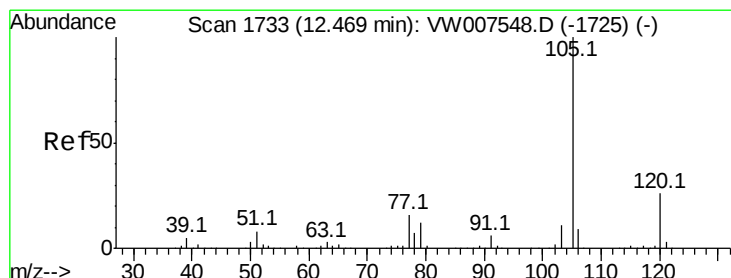
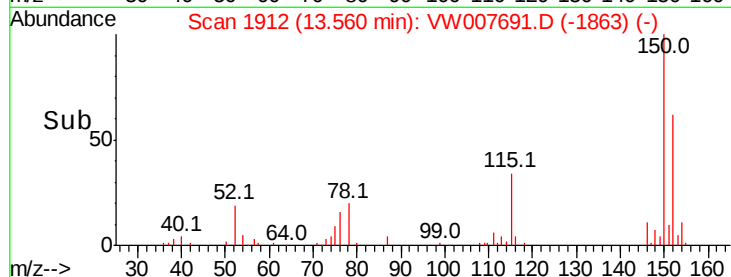
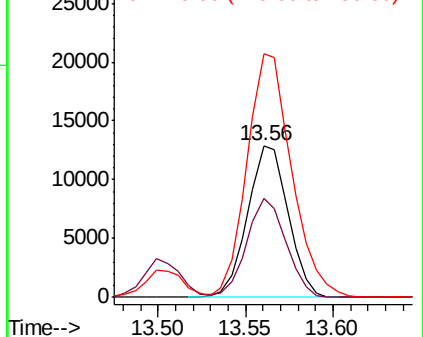
152 100

115 63.5 31.4 94.2

150 177.2 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 54.525 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007691.D

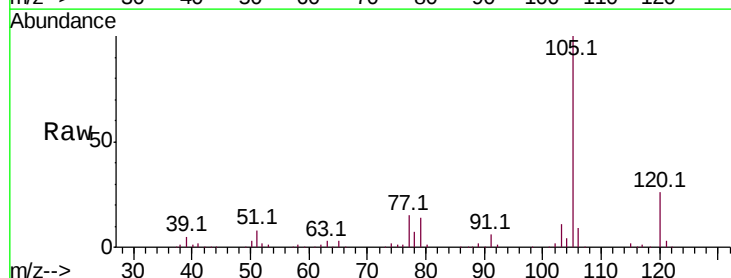
Acq: 19 Dec 2018 07:34

Tgt Ion:105 Resp: 86667

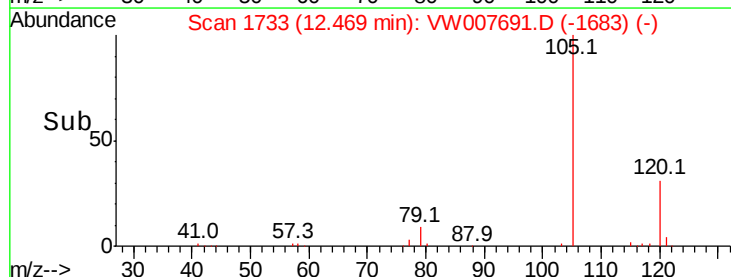
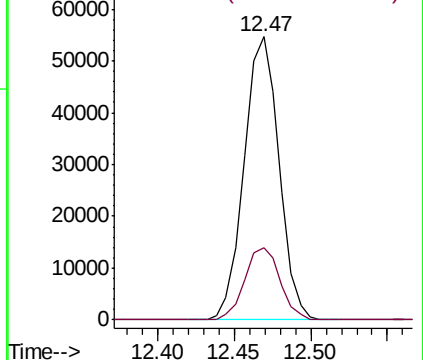
Ion Ratio Lower Upper

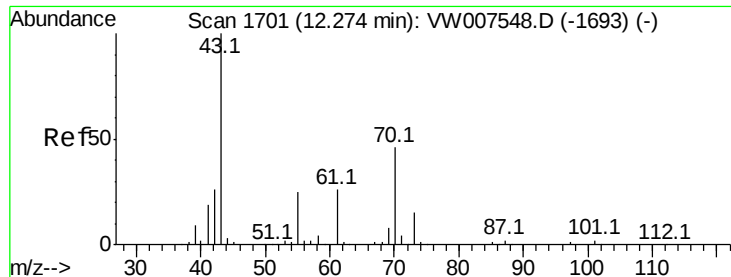
105 100

120 25.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.240 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 647

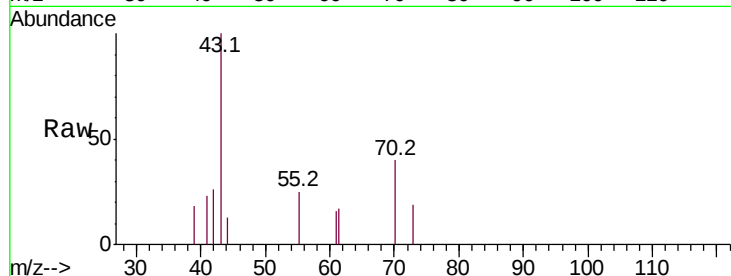
Ion Ratio Lower Upper

43 100

70 55.3 36.5 54.7#

55 34.0 20.1 30.1#

61 23.3 19.3 28.9

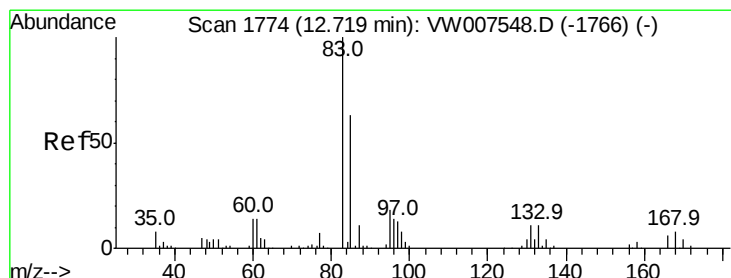
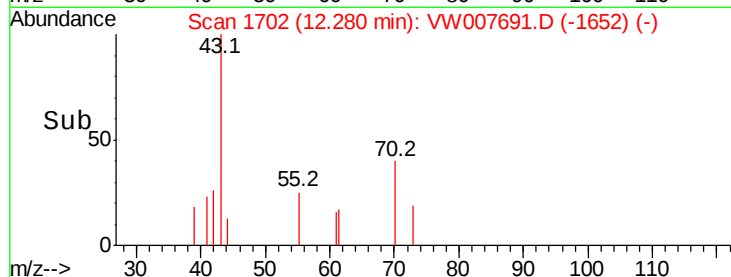
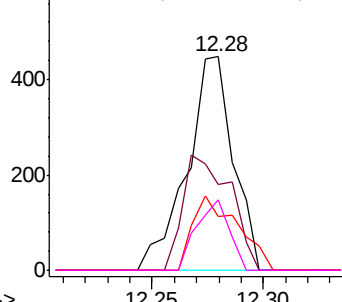


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 94.019 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

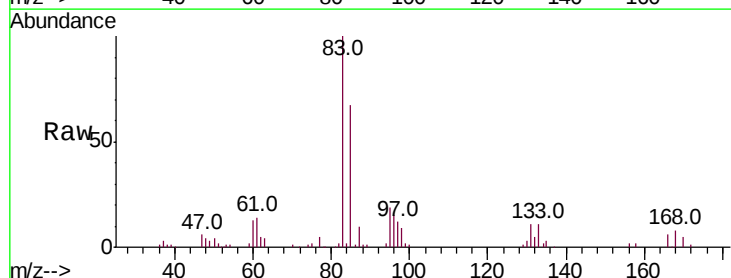
Tgt Ion: 83 Resp: 22134

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.8

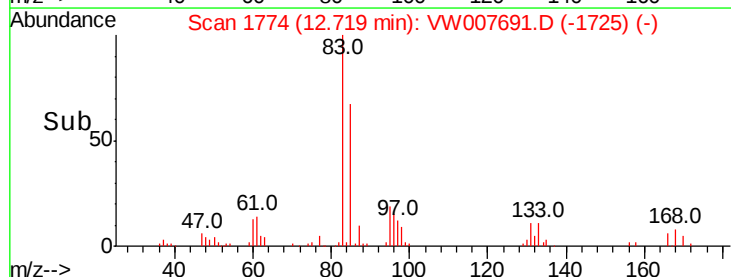
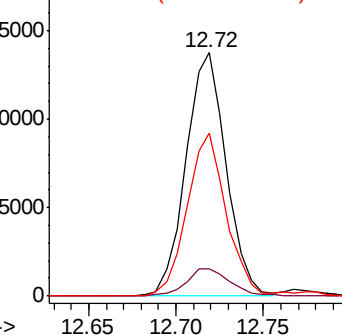
85 65.0 30.0 90.0

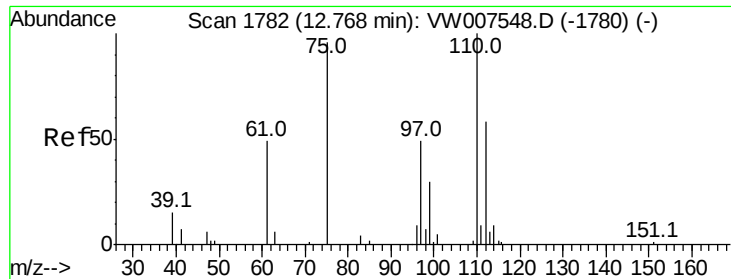


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

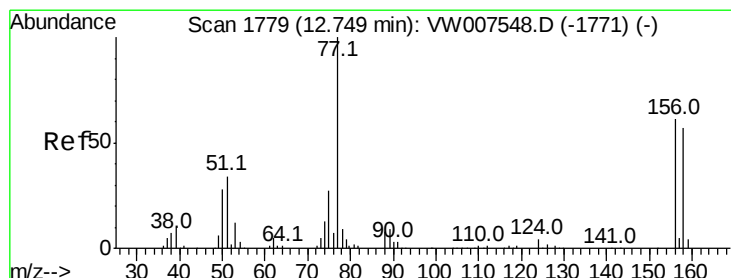
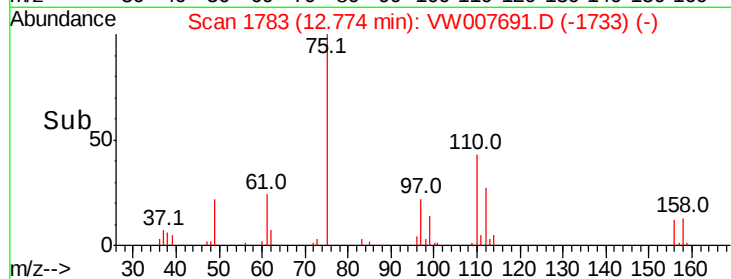
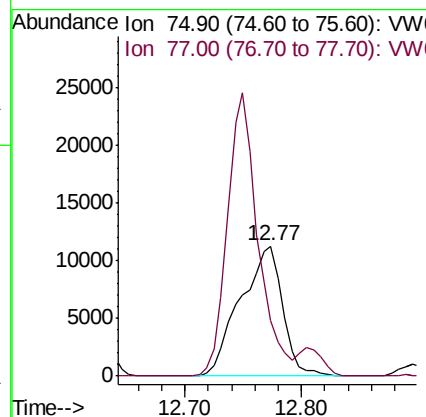
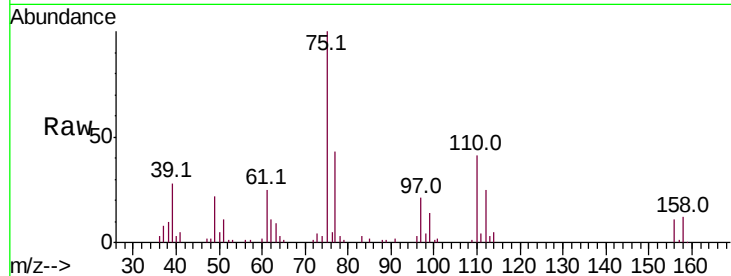




#76
 1,2,3-Trichloropropane
 Concen: 166.417 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

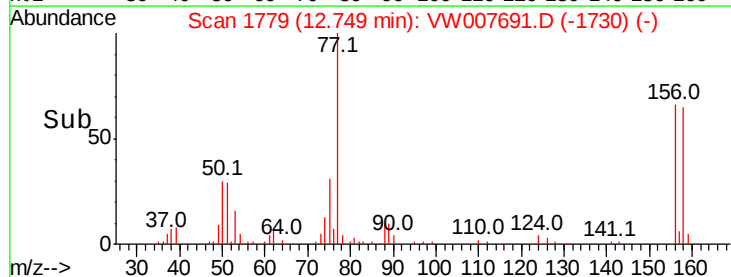
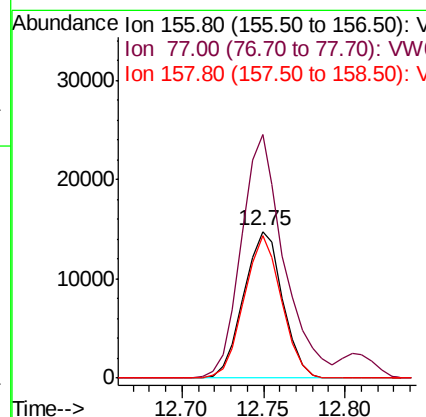
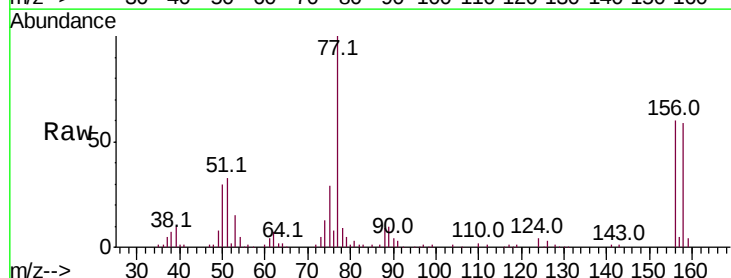
Instrument :
 MSVOA_D
 ClientSampleID :

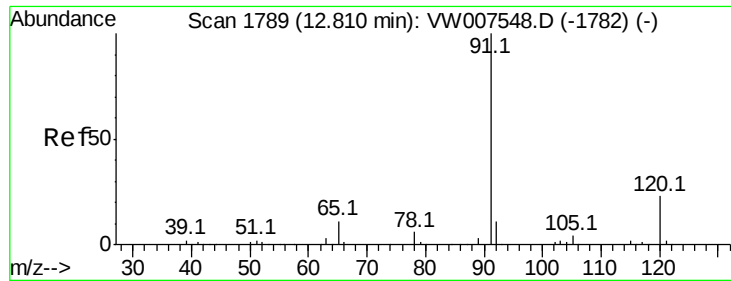
Tot Ion: 75 Resp: 28464
 Ion Ratio Lower Upper
 75 100
 77 0.0 166.9 500.8#



#77
 Bromobenzene
 Concen: 69.603 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion: 156 Resp: 24523
 Ion Ratio Lower Upper
 156 100
 77 182.3 88.1 264.4
 158 93.9 45.6 136.7





#78

n-propylbenzene

Concen: 50.335 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

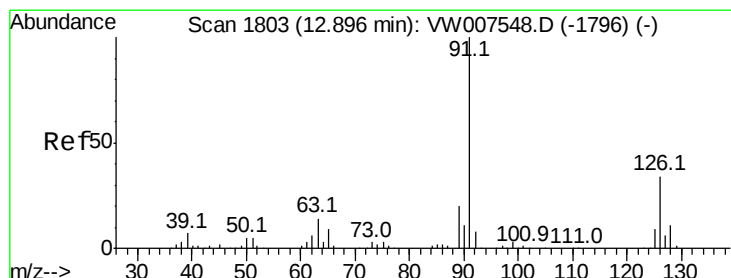
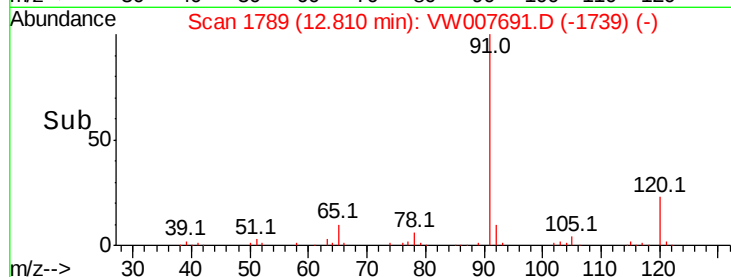
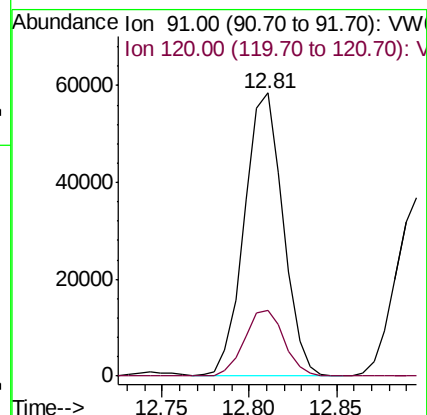
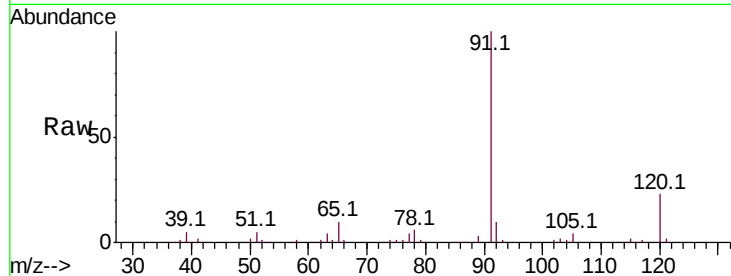
ClientSampleId :

Tot Ion: 91 Resp: 90041

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.5



#79

2-Chlorotoluene

Concen: 53.725 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007691.D

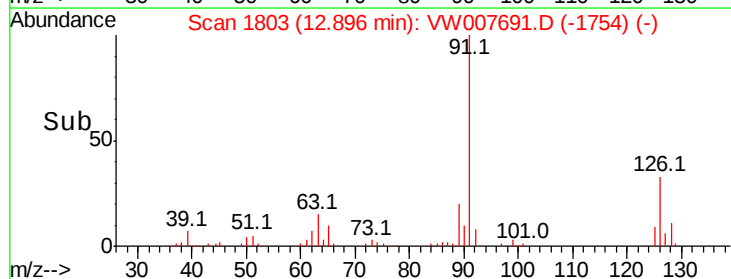
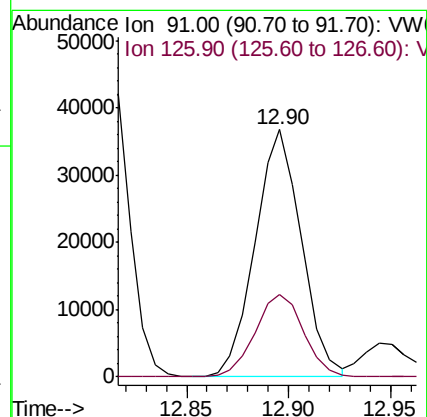
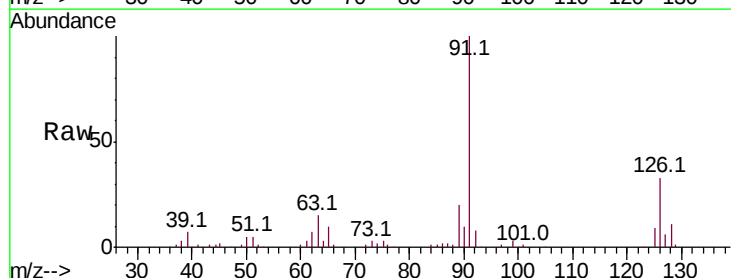
Acq: 19 Dec 2018 07:34

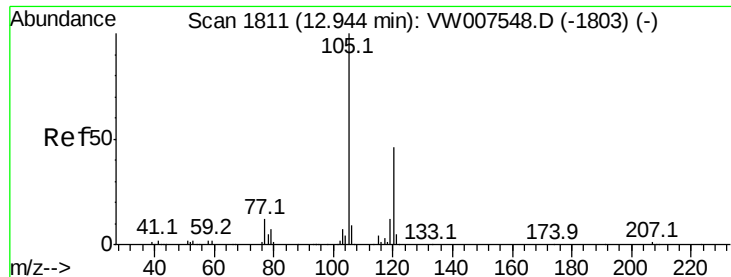
Tgt Ion: 91 Resp: 58151

Ion Ratio Lower Upper

91 100

126 34.6 15.9 47.6

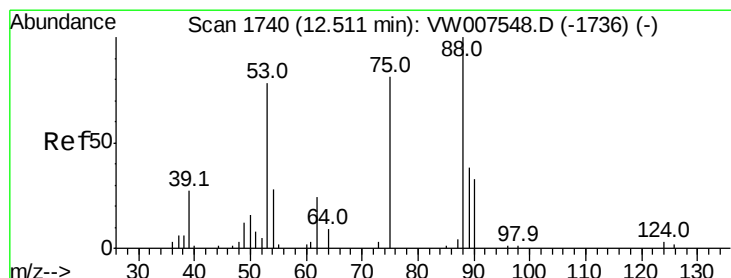
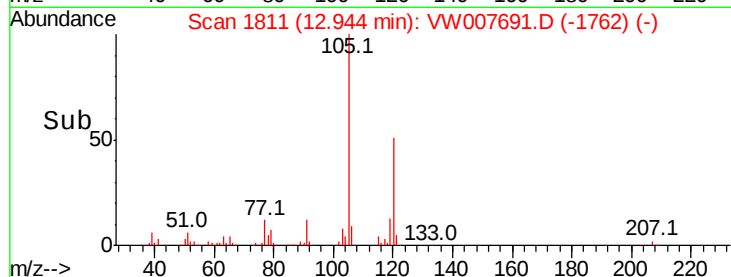
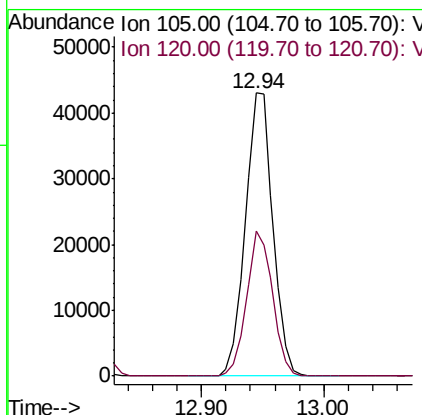
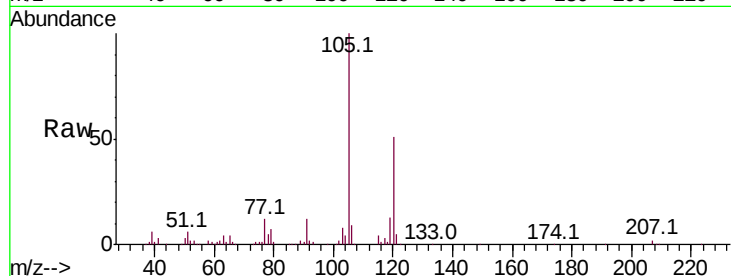




#80
 1,3,5-Trimethylbenzene
 Concen: 50.368 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

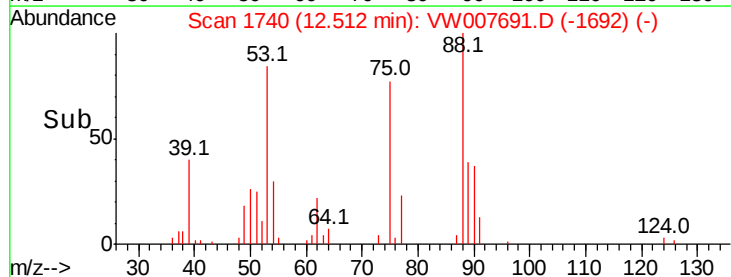
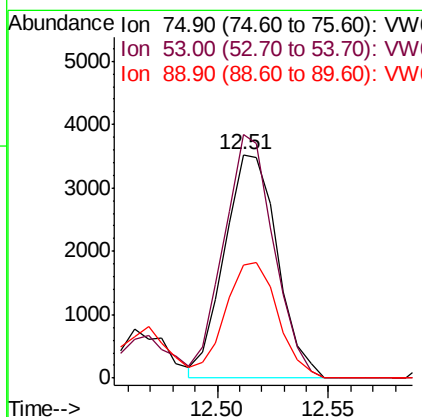
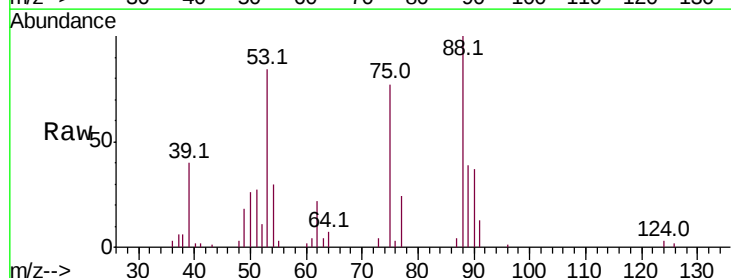
Instrument :
 MSVOA_D
 ClientSampleId :

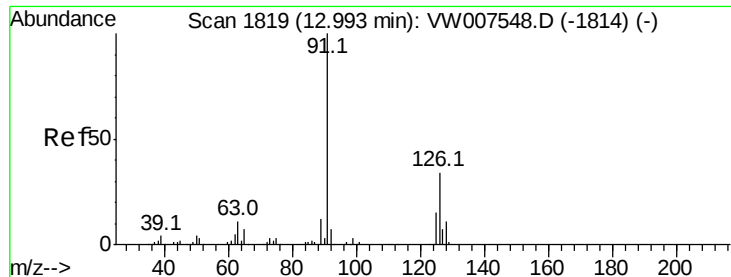
Tot Ion:105 Resp: 67270
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.8 71.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.321 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion: 75 Resp: 5832
 Ion Ratio Lower Upper
 75 100
 53 103.2 84.9 127.3
 89 51.7 40.3 60.5

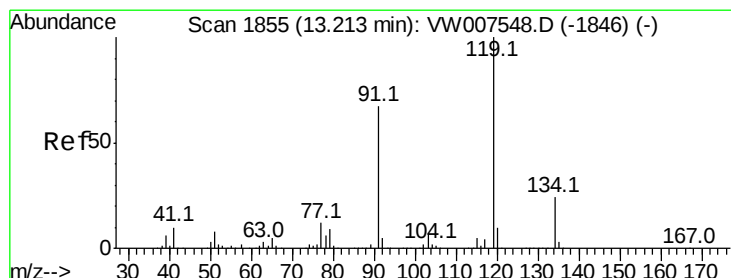
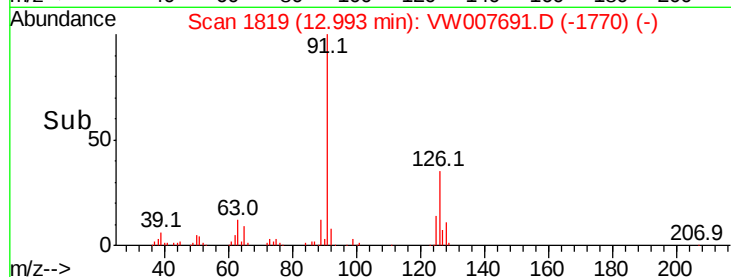
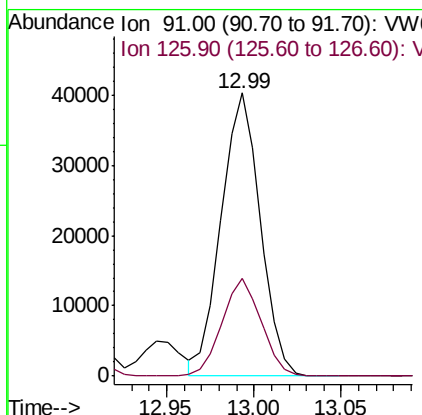
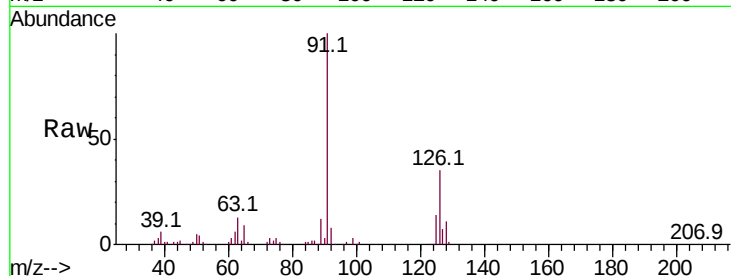




#82
4-Chlorotoluene
Concen: 54.839 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

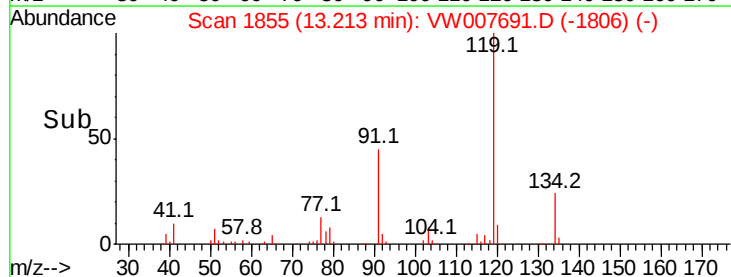
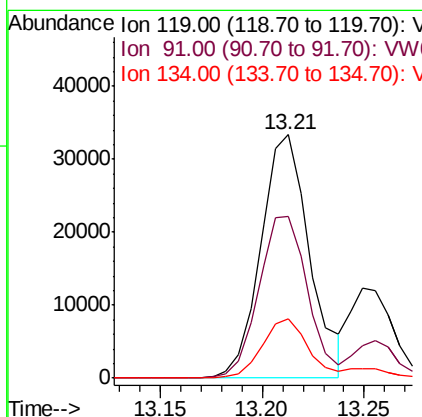
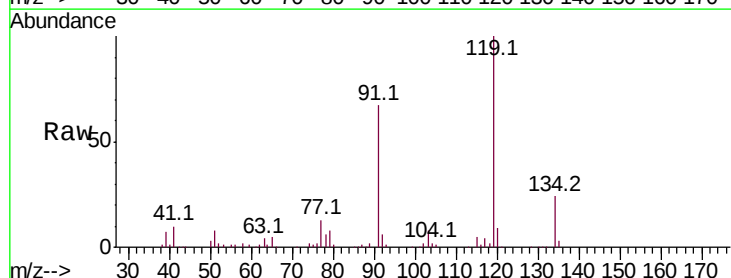
Instrument :
MSVOA_D
ClientSampleId :

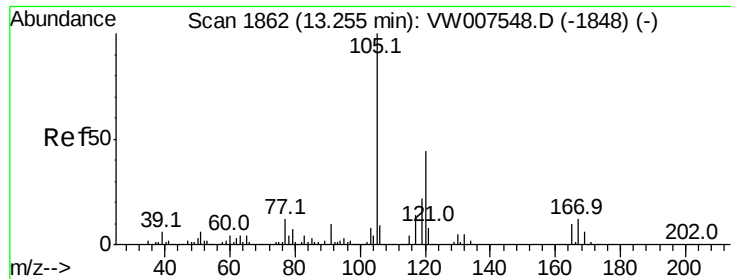
Tot Ion: 91 Resp: 62568
Ion Ratio Lower Upper
91 100
126 34.5 16.0 48.0



#83
tert-Butylbenzene
Concen: 47.248 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion: 119 Resp: 55602
Ion Ratio Lower Upper
119 100
91 66.6 33.1 99.2
134 22.9 12.5 37.5

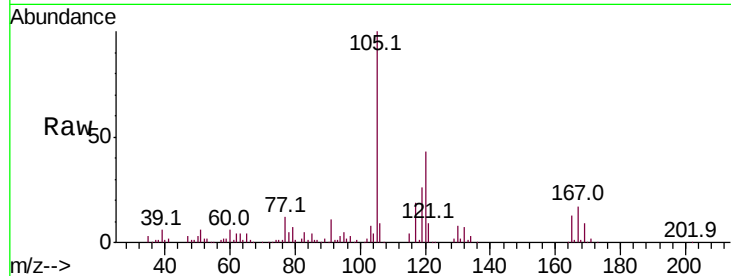




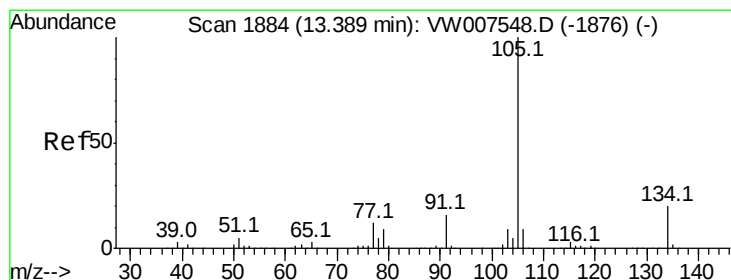
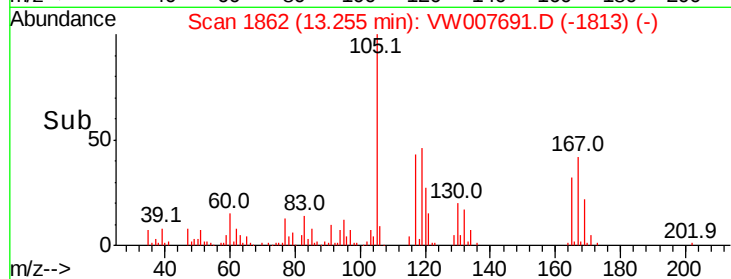
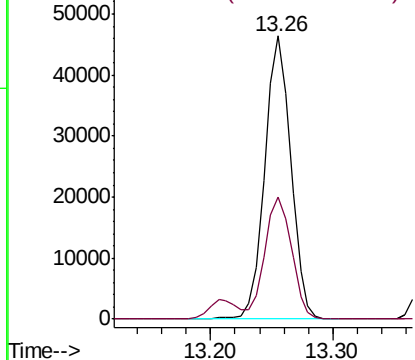
#84
 1,2,4-Trimethylbenzene
 Concen: 50.261 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 69077
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.6 67.7

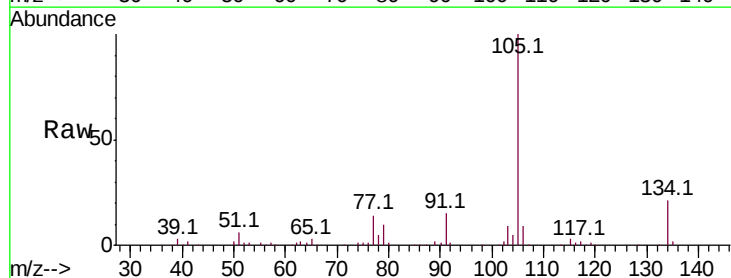


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

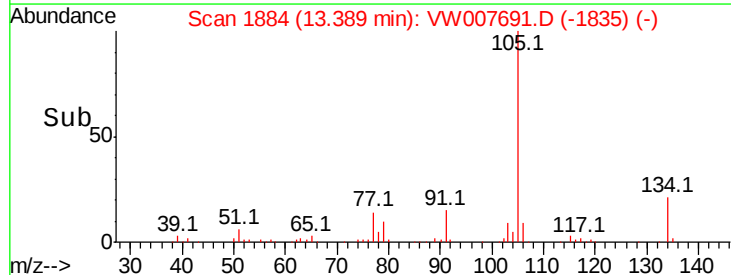
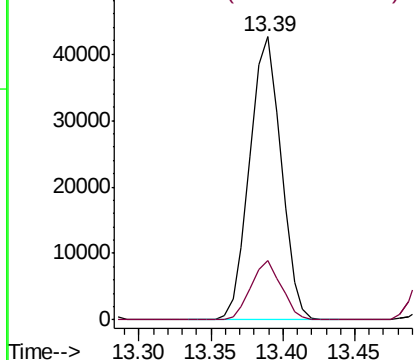


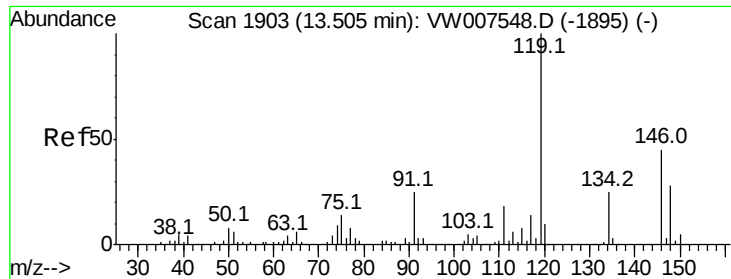
#85
 sec-Butylbenzene
 Concen: 40.130 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion:105 Resp: 64469
 Ion Ratio Lower Upper
 105 100
 134 20.4 11.1 33.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

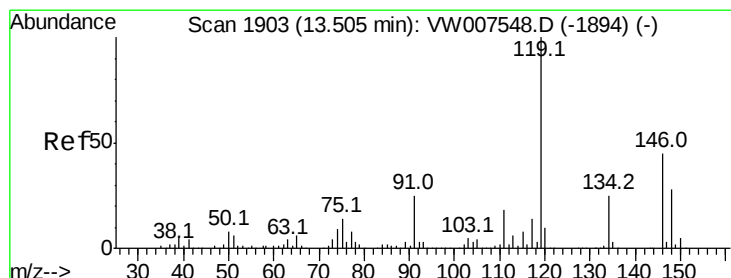
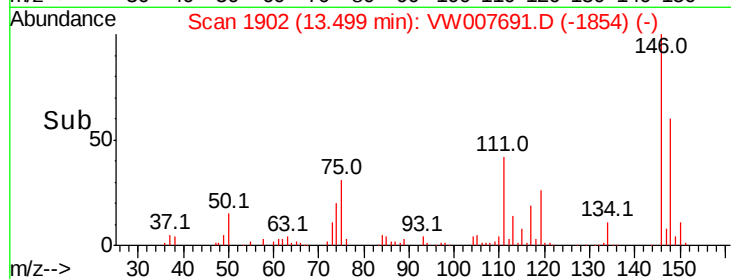
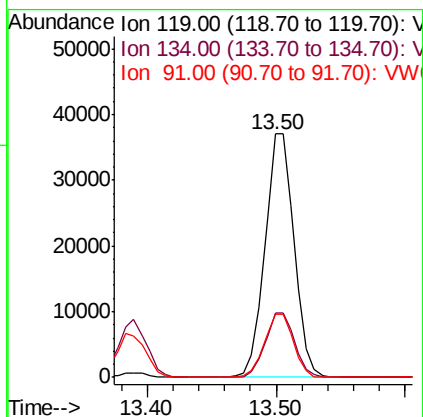
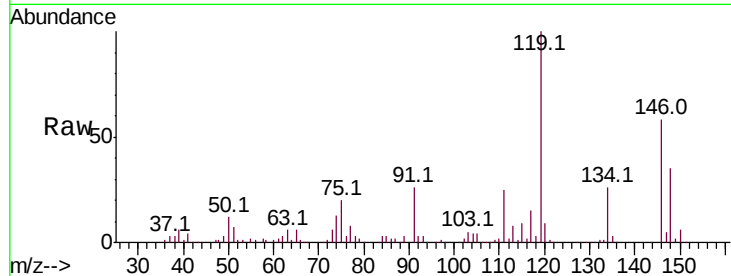




#86
 p-Isopropyltoluene
 Concen: 40.188 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

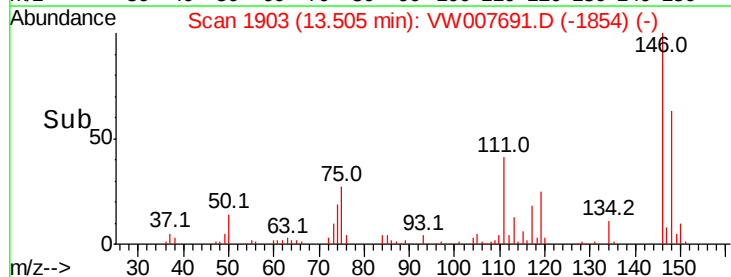
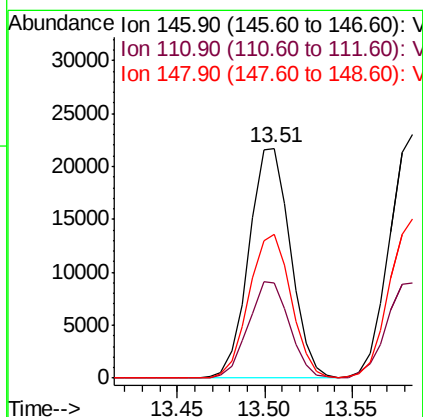
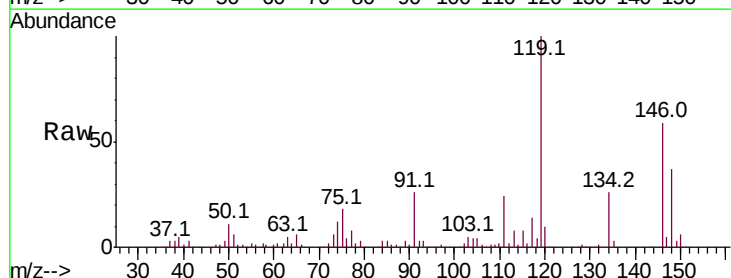
Instrument :
 MSVOA_D
 ClientSampled :

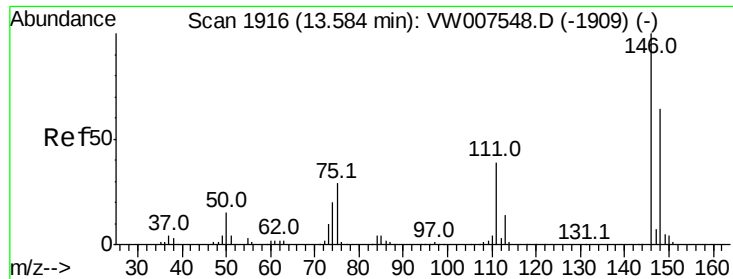
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.7
91	25.9	11.9	35.9



#87
 1,3-Dichlorobenzene
 Concen: 51.123 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.3
148	63.3	31.4	94.0





#88

1,4-Dichlorobenzene

Concen: 52.146 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampled :

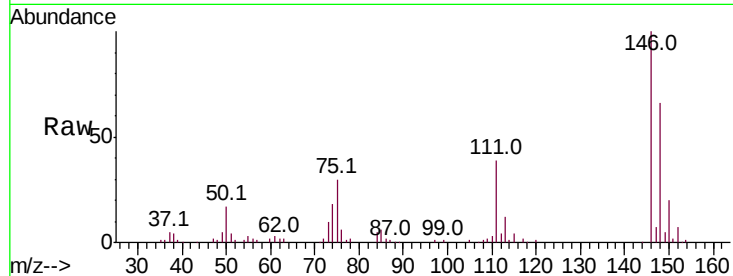
Tot Ion:146 Resp: 36826

Ion Ratio Lower Upper

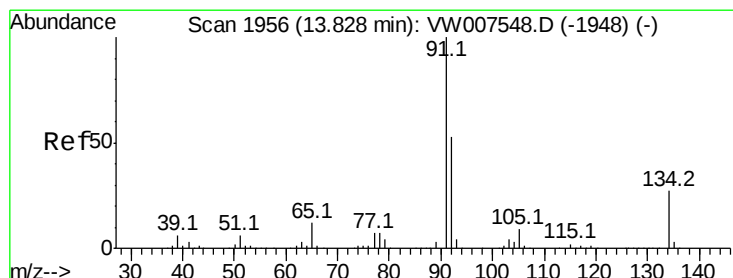
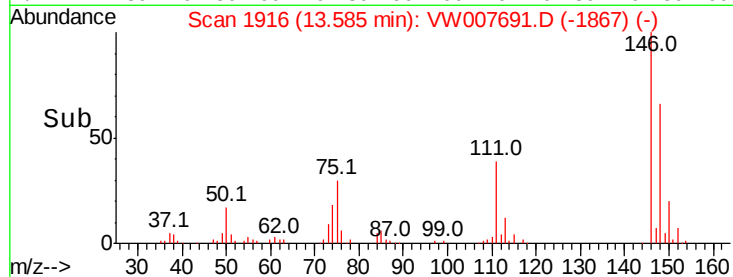
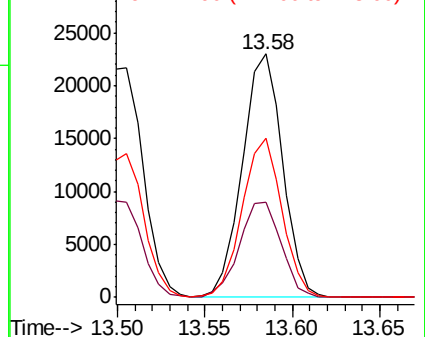
146 100

111 40.5 20.3 61.0

148 64.3 33.5 100.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 31.952 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

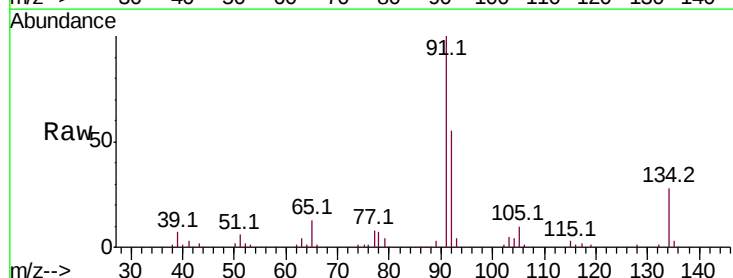
Tgt Ion: 91 Resp: 42750

Ion Ratio Lower Upper

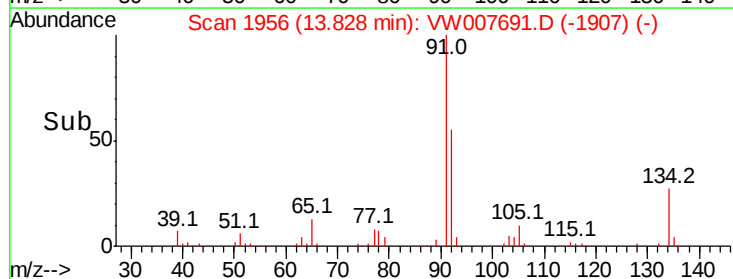
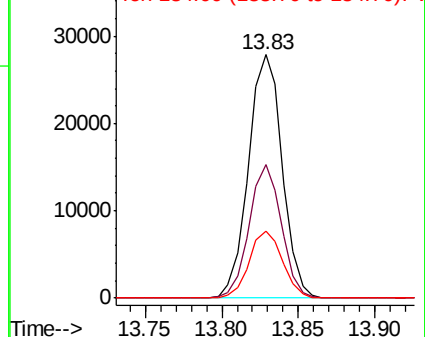
91 100

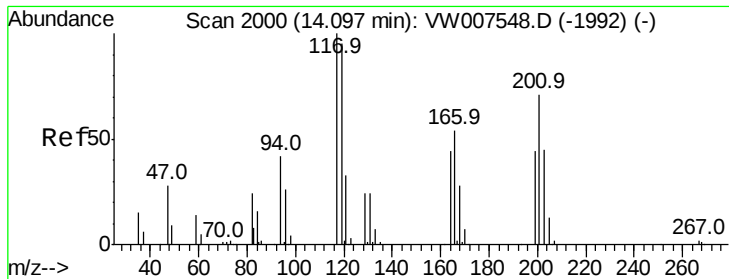
92 52.2 25.7 77.1

134 27.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V

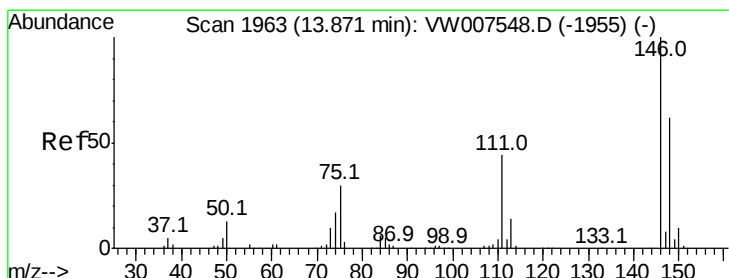
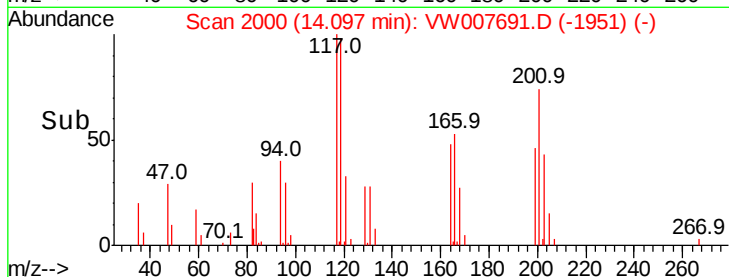
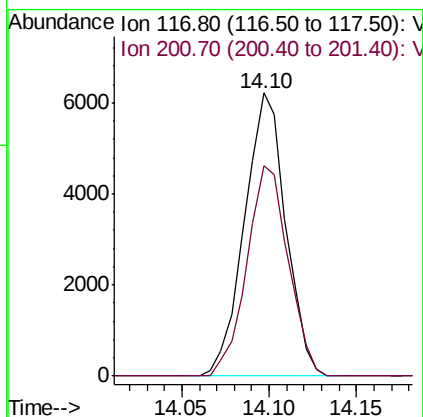
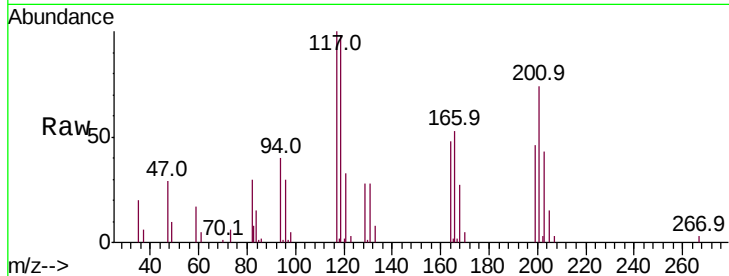




#90
Hexachloroethane
Concen: 39.798 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

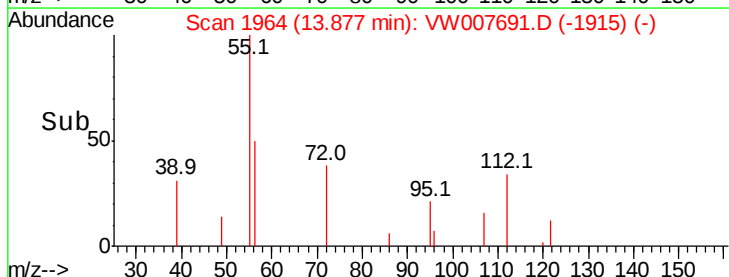
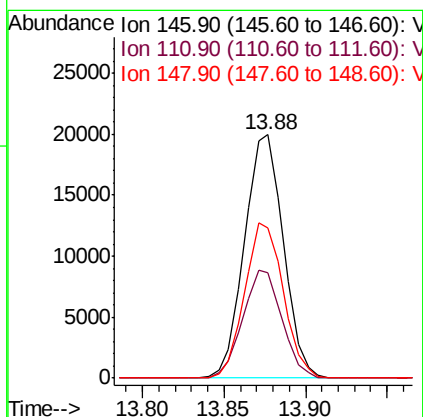
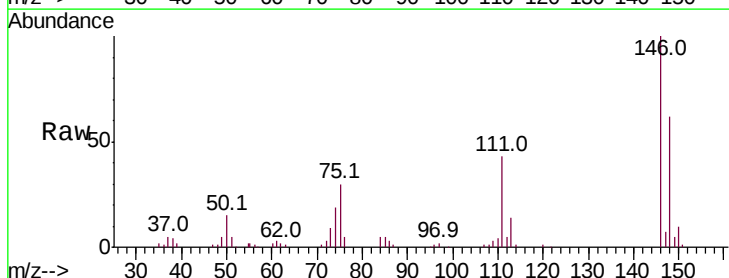
Instrument :
MSVOA_D
ClientSampleId :

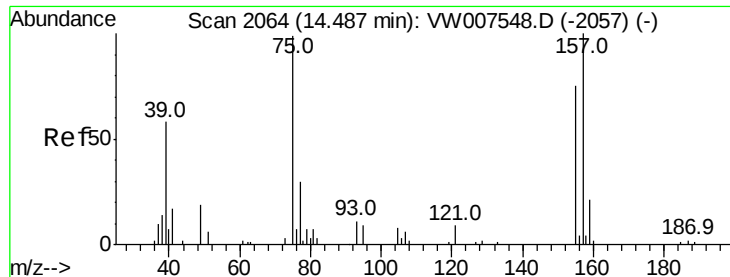
Tot Ion:117 Resp: 10220
Ion Ratio Lower Upper
117 100
201 74.4 35.3 105.9



#91
1,2-Dichlorobenzene
Concen: 52.617 ug/l
RT: 13.88 min Scan# 1964
Delta R.T. -0.00 min
Lab File: VW007691.D
Acq: 19 Dec 2018 07:34

Tgt Ion:146 Resp: 33105
Ion Ratio Lower Upper
146 100
111 44.4 22.4 67.2
148 63.3 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 90.762 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

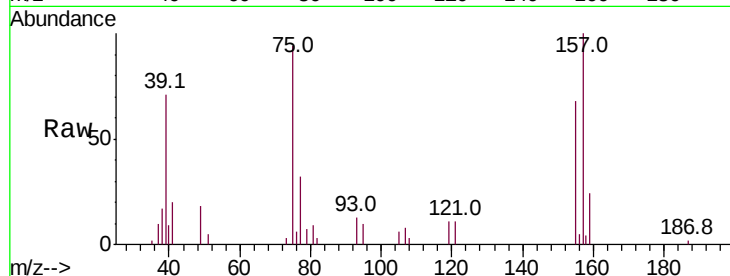
Tot Ion: 75 Resp: 4288

Ion Ratio Lower Upper

75 100

155 78.3 40.8 122.2

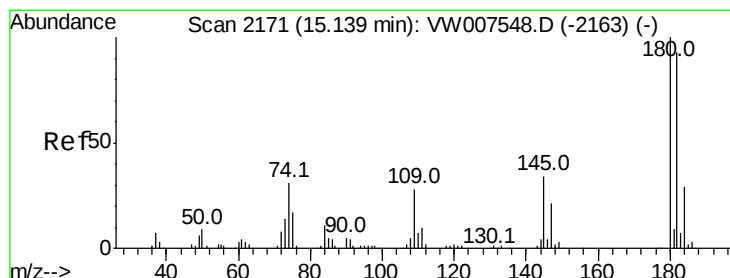
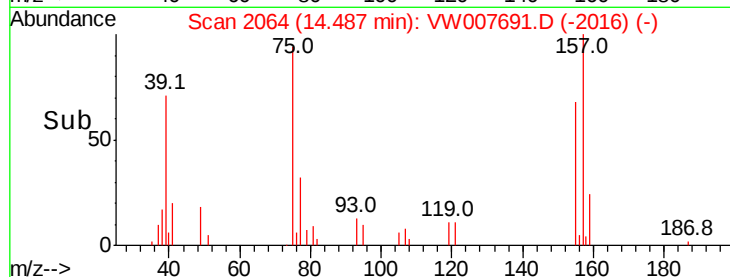
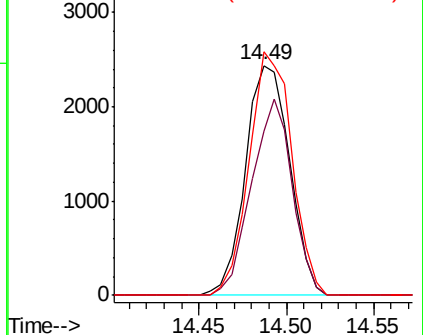
157 102.2 51.1 153.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 29.663 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

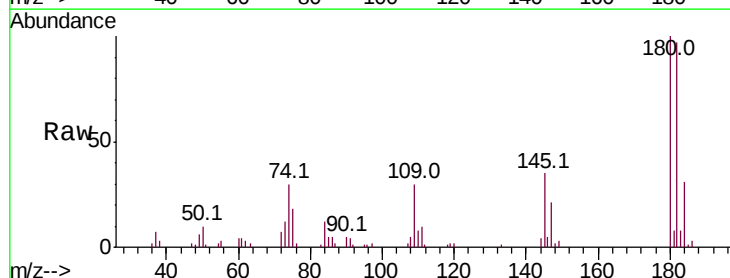
Tgt Ion:180 Resp: 12844

Ion Ratio Lower Upper

180 100

182 94.2 49.9 149.6

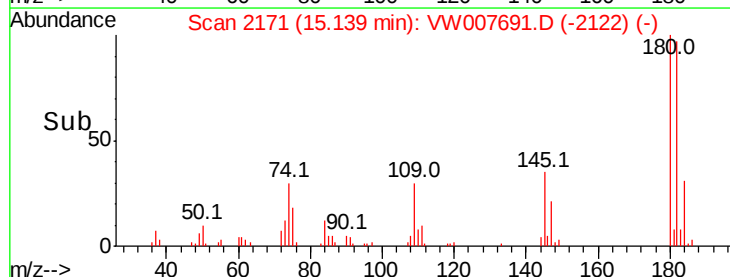
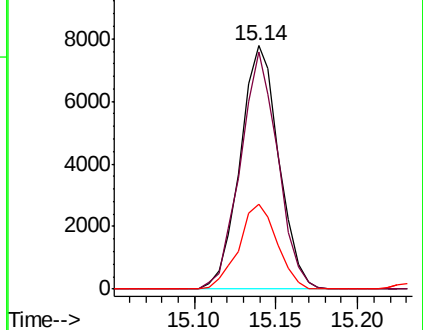
145 34.4 17.8 53.4

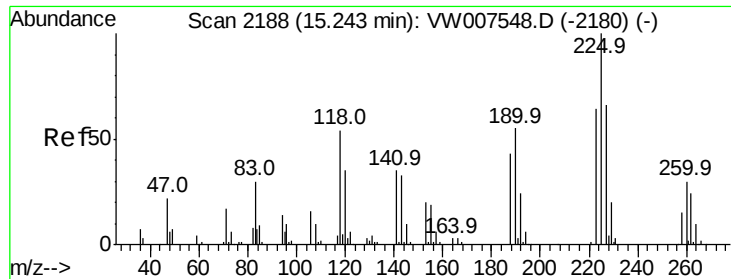


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 18.508 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

Instrument :

MSVOA_D

ClientSampleId :

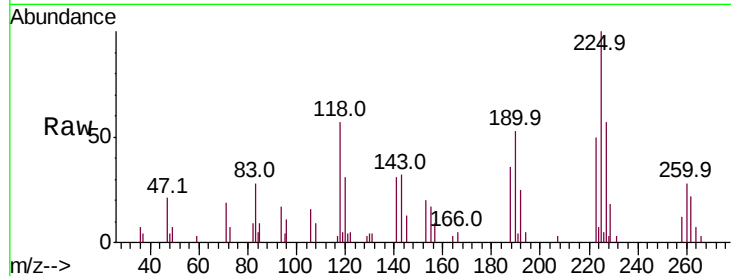
Tot Ion:225 Resp: 4252

Ion Ratio Lower Upper

225 100

223 61.4 32.1 96.3

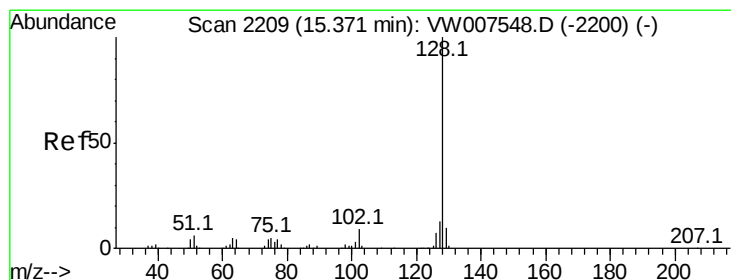
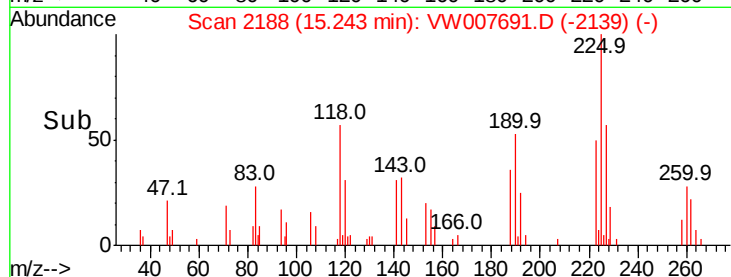
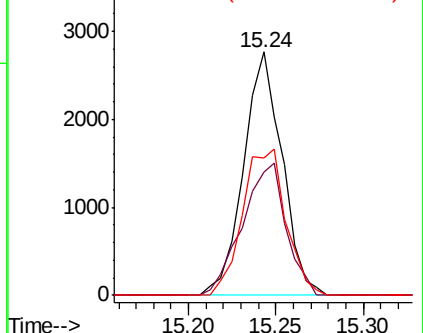
227 67.7 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 39.859 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007691.D

Acq: 19 Dec 2018 07:34

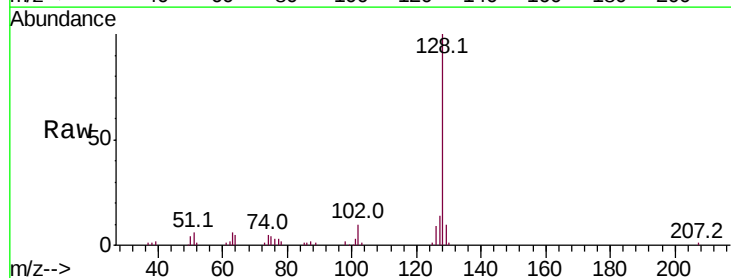
Tgt Ion:128 Resp: 33016

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

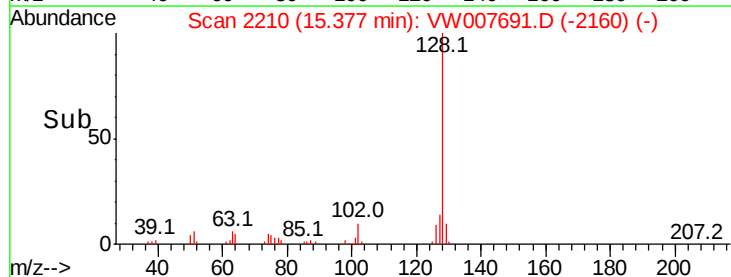
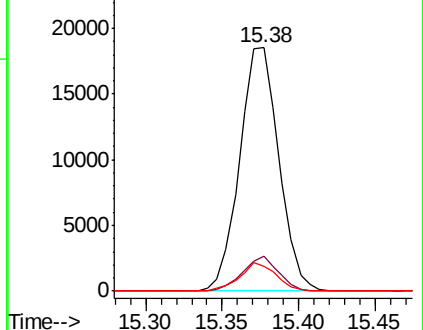
129 10.8 8.3 12.5

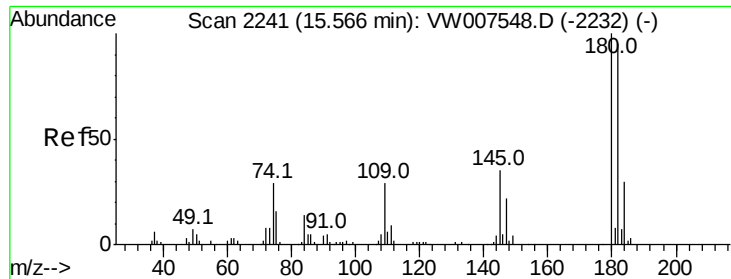


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

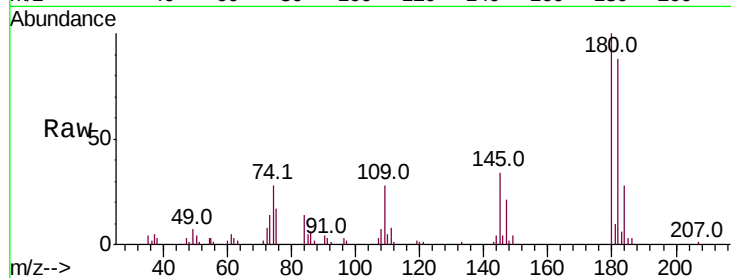




#96
 1,2,3-Trichlorobenzene
 Concen: 28.929 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW007691.D
 Acq: 19 Dec 2018 07:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	45.6	136.7
145	37.7	17.5	52.5



Abundance Ion 179.80 (179.50 to 180.50): V
 8000 Ion 181.80 (181.50 to 182.50): V
 6000 Ion 144.90 (144.60 to 145.60): V

