

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009609.D
 Acq On : 31 Mar 2019 14:31
 Operator : SY/VA
 Sample : VW0331SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:54:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	296540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	236030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	180617	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.88	113	151138	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.32	98	551283	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	209169	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	35359	17.910	ug/l	92
3) Chloromethane	2.21	50	45789	18.330	ug/l	98
4) Vinyl Chloride	2.36	62	65846	19.736	ug/l	92
5) Bromomethane	2.77	94	47259	18.360	ug/l	94
6) Chloroethane	2.92	64	44678	18.082	ug/l	92
7) Trichlorofluoromethane	3.24	101	38159	16.739	ug/l	98
8) Diethyl Ether	3.67	74	29963	19.575	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60670	19.836	ug/l	96
10) Methyl Iodide	4.27	142	76517	18.335	ug/l	96
11) Tert butyl alcohol	5.18	59	19629	99.835	ug/l	99
12) 1,1-Dichloroethene	4.03	96	55186	19.281	ug/l	99
13) Acrolein	3.89	56	14395	99.821	ug/l	96
14) Allyl chloride	4.65	41	73392	16.031	ug/l	95
15) Acrylonitrile	5.36	53	66362	94.849	ug/l	99
16) Acetone	4.12	43	72832	95.527	ug/l	97
17) Carbon Disulfide	4.37	76	149243	18.325	ug/l	99
18) Methyl Acetate	4.67	43	33439	18.144	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	73734	18.522	ug/l	97
20) Methylene Chloride	4.90	84	61203	17.978	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	58554	19.268	ug/l	88
22) Diisopropyl ether	6.31	45	191942	19.414	ug/l	98
23) Vinyl Acetate	6.25	43	621573	100.777	ug/l	99
24) 1,1-Dichloroethane	6.20	63	115550	19.418	ug/l	96
25) 2-Butanone	7.16	43	107862	102.377	ug/l	92
26) 2,2-Dichloropropane	7.16	77	61275	18.010	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	66193	19.945	ug/l	99
28) Bromochloromethane	7.50	49	56691	21.985	ug/l #	94
29) Tetrahydrofuran	7.52	42	67284	102.848	ug/l	98
30) Chloroform	7.67	83	121092	19.647	ug/l	99
31) Cyclohexane	7.95	56	103824	18.610	ug/l #	94
32) 1,1,1-Trichloroethane	7.86	97	91575	18.354	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94248	19.759	ug/l	99
37) Ethyl Acetate	7.25	43	47938	21.154	ug/l	99
38) Carbon Tetrachloride	8.06	117	92919	19.012	ug/l	100

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 MSVOA_W
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Quant Time: Apr 01 04:54:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	102058	18.731	ug/l	96
40) Benzene	8.32	78	257619	19.940	ug/l	100
41) Methacrylonitrile	7.48	41	27812	21.289	ug/l	91
42) 1,2-Dichloroethane	8.40	62	88849	20.172	ug/l	100
43) Isopropyl Acetate	8.43	43	88395	19.904	ug/l	100
44) Trichloroethene	9.09	130	64551	19.299	ug/l	96
45) 1,2-Dichloropropane	9.37	63	66221	20.025	ug/l	93
46) Dibromomethane	9.46	93	35752	19.957	ug/l	97
47) Bromodichloromethane	9.64	83	89974	19.689	ug/l	98
48) Methyl methacrylate	9.43	41	40926	19.659	ug/l	100
49) 1,4-Dioxane	9.44	88	11810	442.685	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	241465	101.621	ug/l	99
52) Toluene	10.38	92	160749	19.868	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	86264	19.279	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	95783	19.307	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	48316	19.953	ug/l	92
56) Ethyl methacrylate	10.65	69	57385	19.608	ug/l	96
57) 1,3-Dichloropropane	10.93	76	85455	19.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	154507	106.121	ug/l	98
59) 2-Hexanone	10.97	43	168350	102.374	ug/l	99
60) Dibromochloromethane	11.13	129	57166	19.552	ug/l	98
61) 1,2-Dibromoethane	11.23	107	47312	20.375	ug/l	99
64) Tetrachloroethene	10.86	164	56579	19.633	ug/l	97
65) Chlorobenzene	11.66	112	172880	19.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	63360	19.453	ug/l	97
67) Ethyl Benzene	11.73	91	305034	19.368	ug/l	99
68) m/p-Xylenes	11.84	106	235517	39.383	ug/l	98
69) o-Xylene	12.16	106	108596	19.500	ug/l	100
70) Styrene	12.18	104	181808	19.545	ug/l	99
71) Bromoform	12.35	173	33931	19.358	ug/l #	97
73) Isopropylbenzene	12.46	105	308068	18.755	ug/l	99
74) N-amyl acetate	12.27	43	86351	19.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	61586	19.826	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82647	37.235	ug/l #	100
77) Bromobenzene	12.74	156	72400	19.140	ug/l	98
78) n-propylbenzene	12.80	91	390789	19.294	ug/l	99
79) 2-Chlorotoluene	12.89	91	218498	18.982	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	268796	19.431	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	18833	19.731	ug/l	94
82) 4-Chlorotoluene	12.99	91	231537	19.113	ug/l	99
83) tert-Butylbenzene	13.21	119	221425	18.804	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	273156	19.208	ug/l	99
85) sec-Butylbenzene	13.38	105	340306	19.156	ug/l	98
86) p-Isopropyltoluene	13.50	119	293547	18.997	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150060	19.213	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	148518	19.038	ug/l	97
89) n-Butylbenzene	13.83	91	290198	19.027	ug/l	98
90) Hexachloroethane	14.09	117	57721	19.507	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	135359	19.381	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11415	20.129	ug/l	98

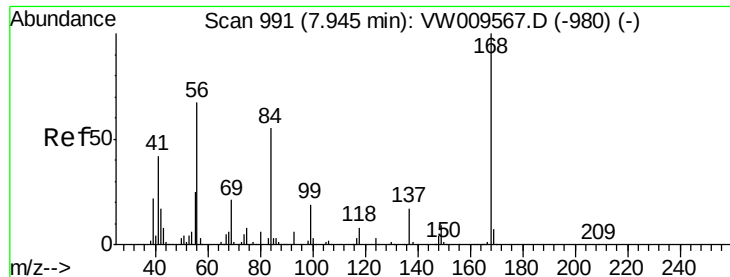
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	89033	19.795	ug/l	97
94) Hexachlorobutadiene	15.24	225	55259	19.131	ug/l	98
95) Naphthalene	15.37	128	158286	19.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	79969	19.901	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

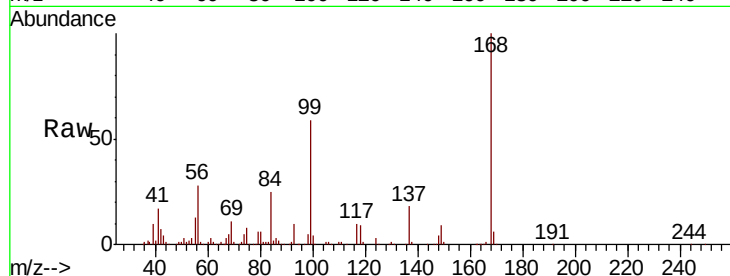
ClientSampleId :

Tot Ion:168 Resp: 296540

Ion Ratio Lower Upper

168 100

99 59.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): VW009567.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW009567.D (-980) (-)

7.95

150000

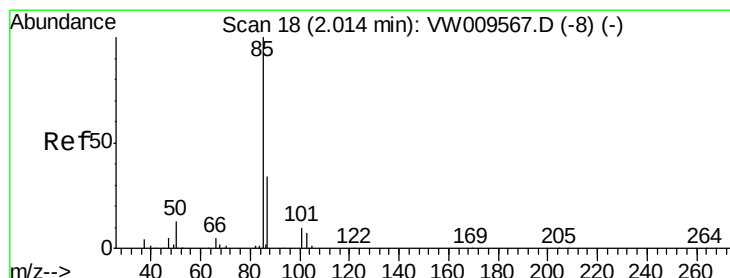
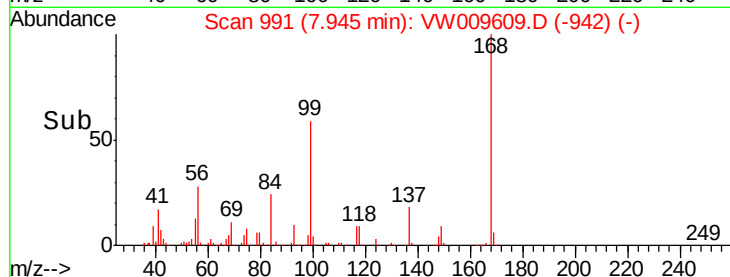
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.910 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW009609.D

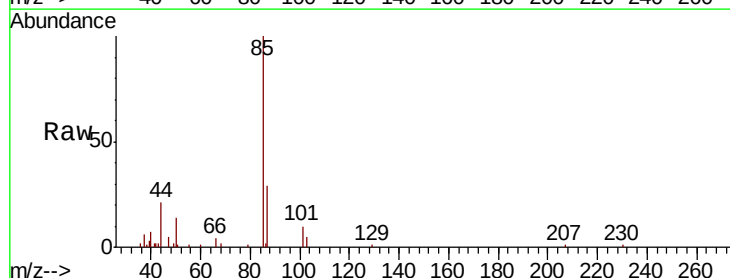
Acq: 31 Mar 2019 14:31

Tgt Ion: 85 Resp: 35359

Ion Ratio Lower Upper

85 100

87 29.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW009567.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VW009567.D (-8) (-)

2.00

12000

10000

8000

6000

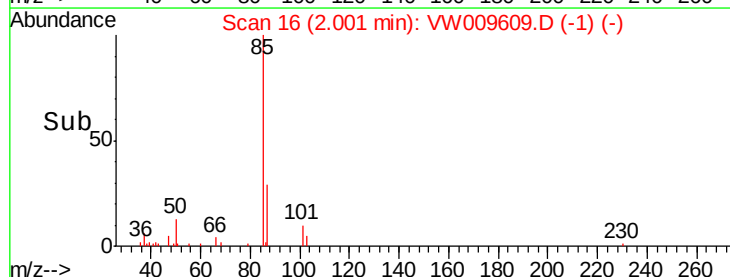
4000

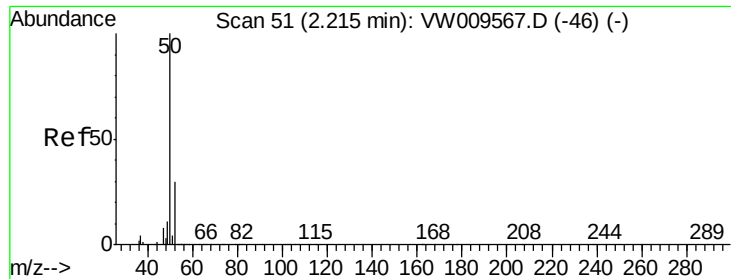
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 18.330 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

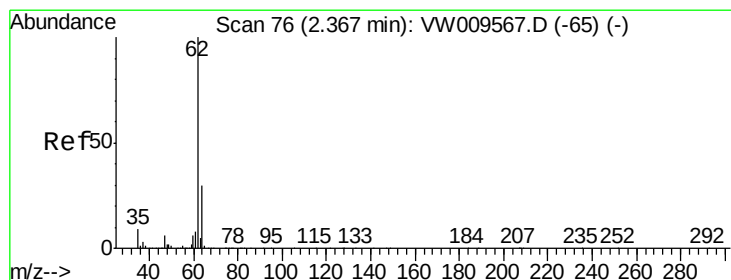
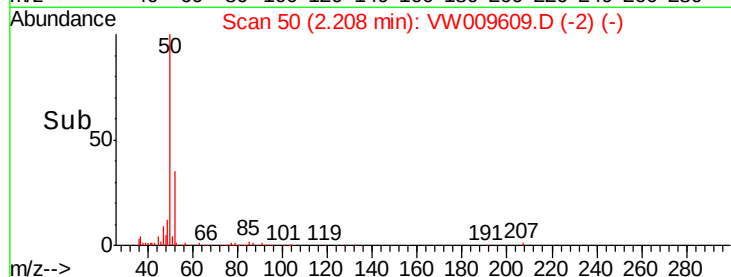
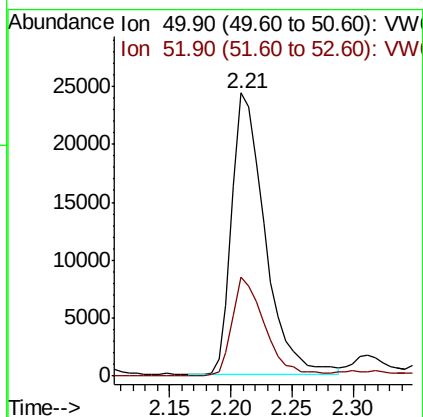
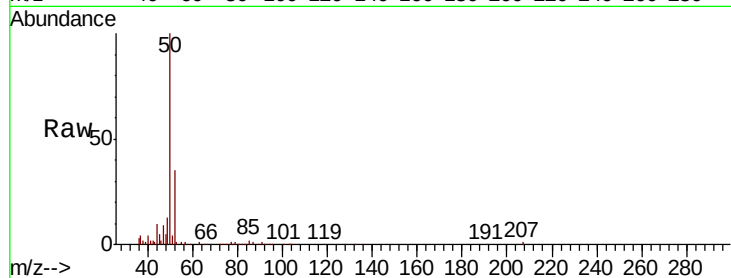
ClientSampleId :

Tot Ion: 50 Resp: 45789

Ion Ratio Lower Upper

50 100

52 35.1 27.2 40.8



#4

Vinyl Chloride

Concen: 19.736 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009609.D

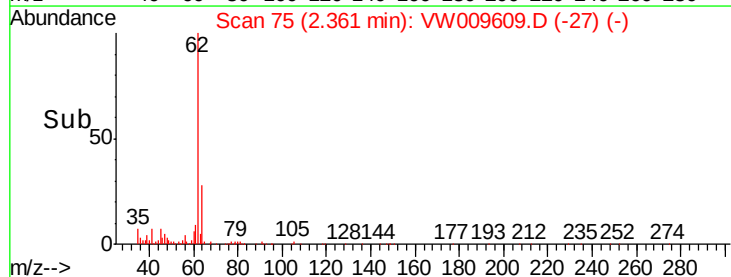
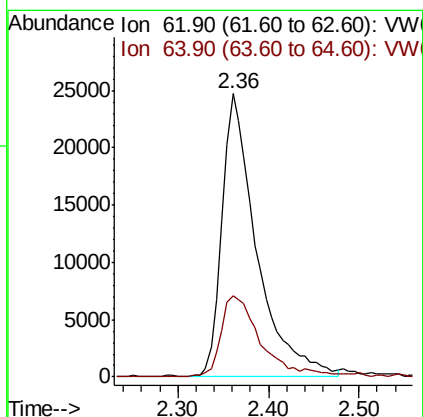
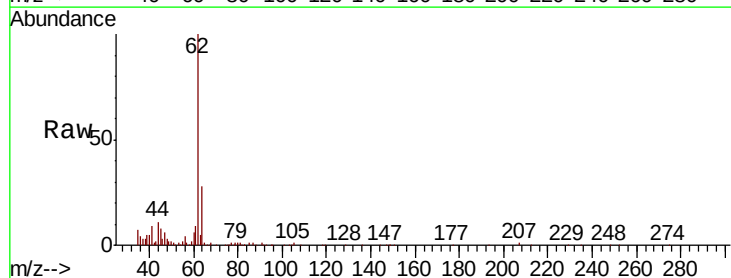
Acq: 31 Mar 2019 14:31

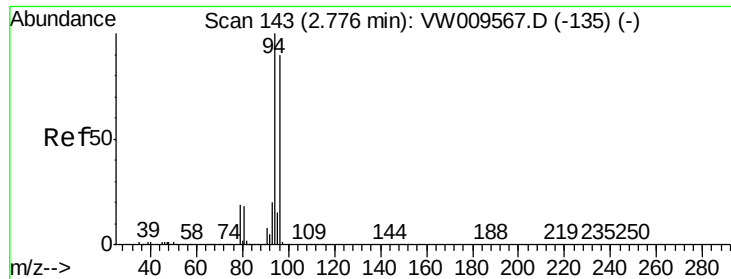
Tgt Ion: 62 Resp: 65846

Ion Ratio Lower Upper

62 100

64 28.2 26.2 39.2





#5

Bromomethane

Concen: 18.360 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

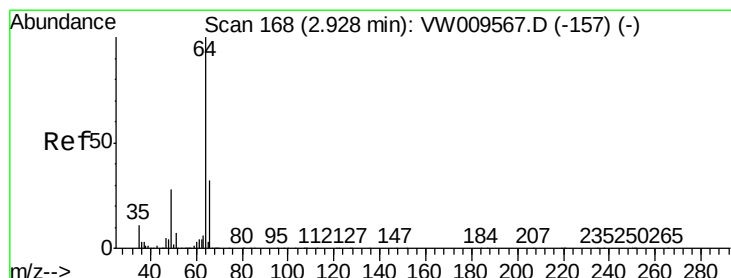
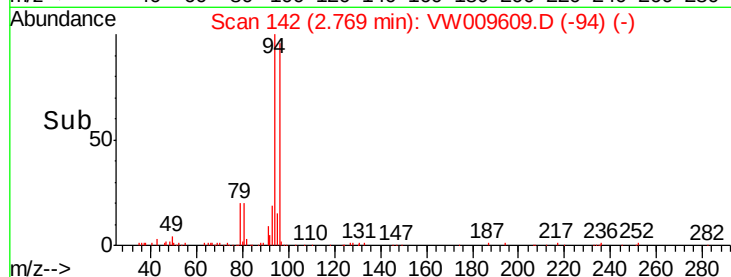
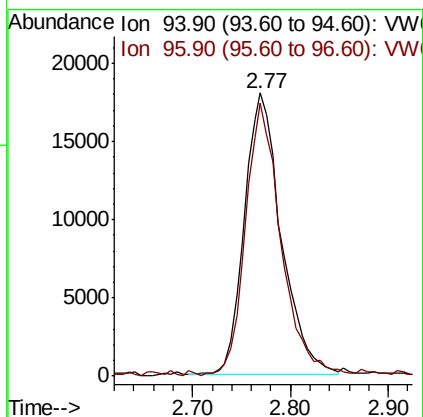
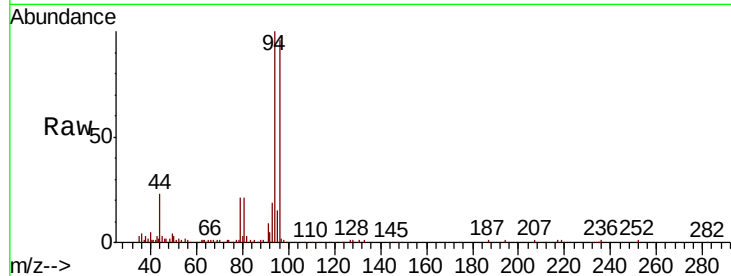
ClientSampleId :

Tot Ion: 94 Resp: 47259

Ion Ratio Lower Upper

94 100

96 94.9 71.4 107.2



#6

Chloroethane

Concen: 18.082 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW009609.D

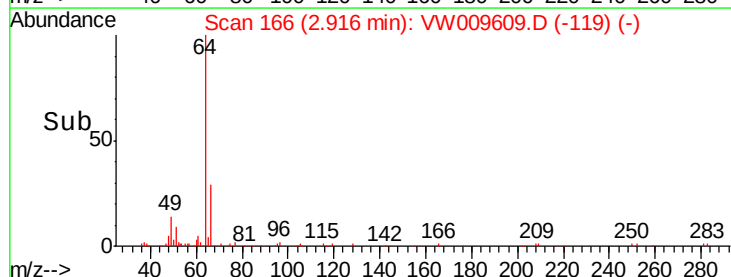
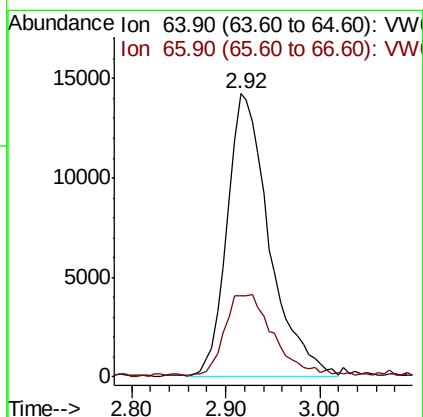
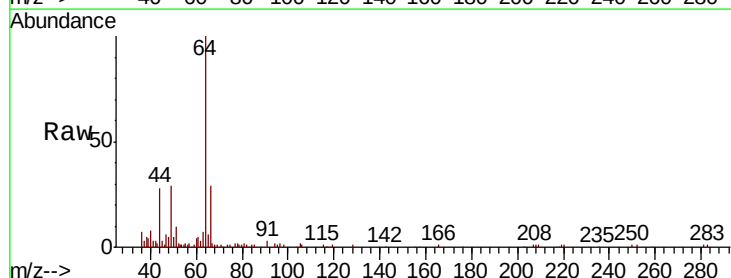
Acq: 31 Mar 2019 14:31

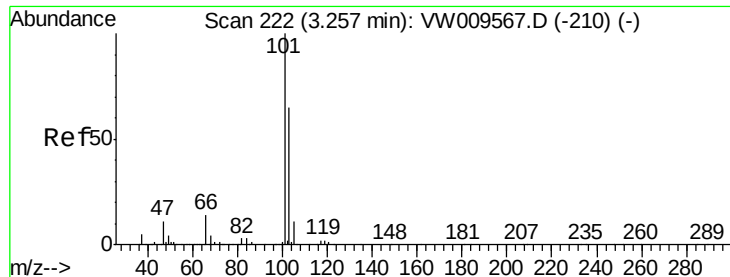
Tgt Ion: 64 Resp: 44678

Ion Ratio Lower Upper

64 100

66 28.0 26.2 39.2



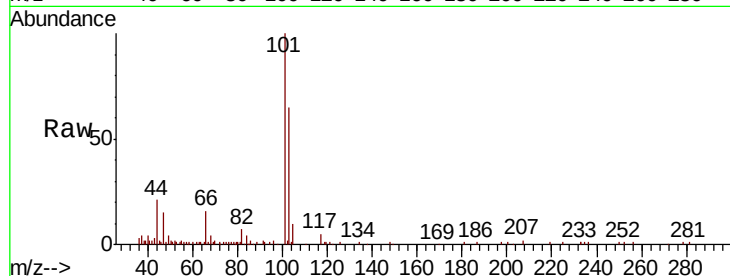


#7

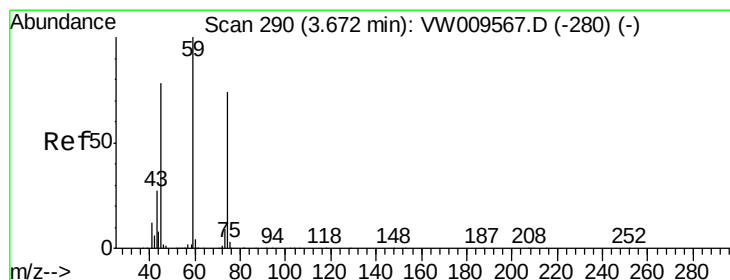
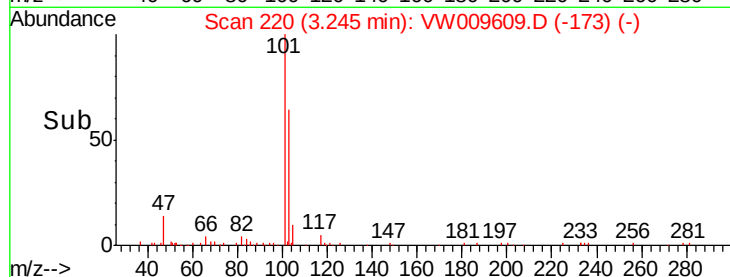
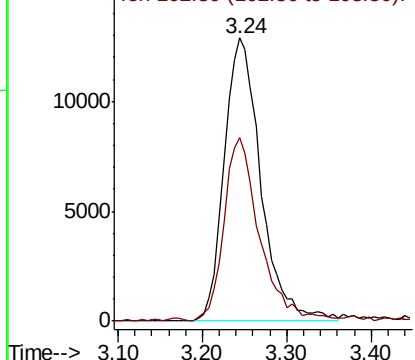
Trichlorofluoromethane
Concen: 16.739 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 38159
Ion Ratio Lower Upper
101 100
103 64.8 50.5 75.7



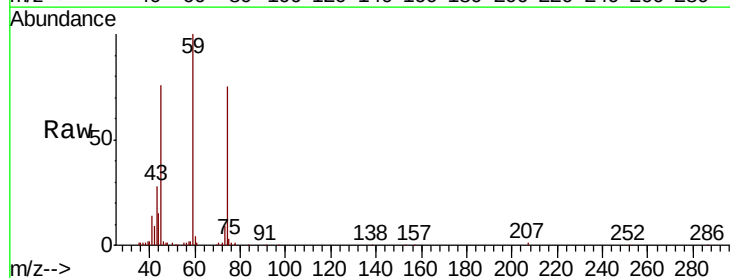
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



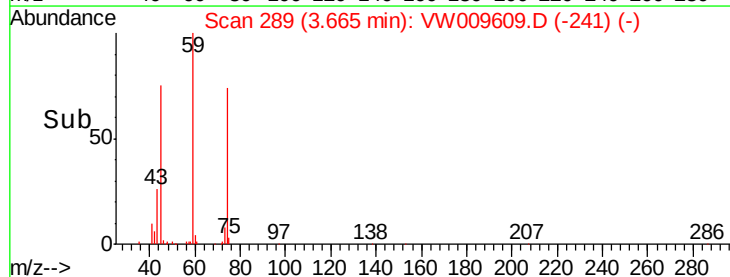
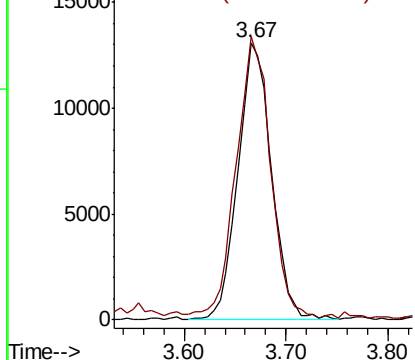
#8

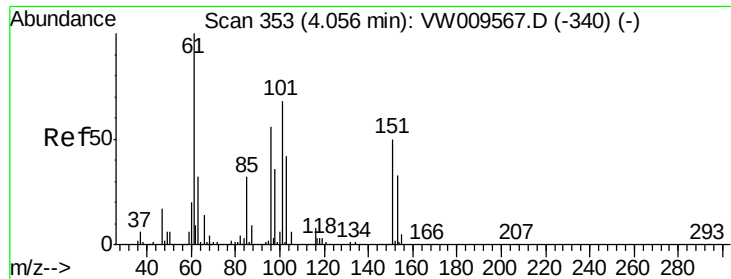
Diethyl Ether
Concen: 19.575 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 74 Resp: 29963
Ion Ratio Lower Upper
74 100
45 104.3 50.6 151.9



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

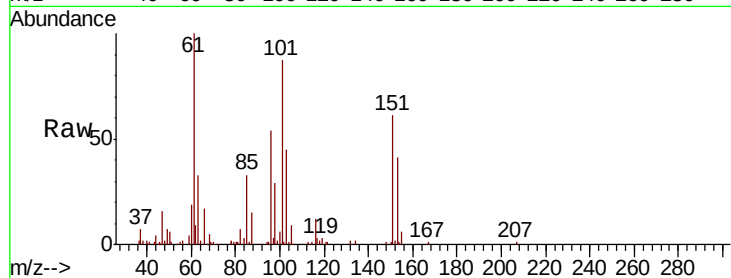
Tot Ion:101 Resp: 60670

Ion Ratio Lower Upper

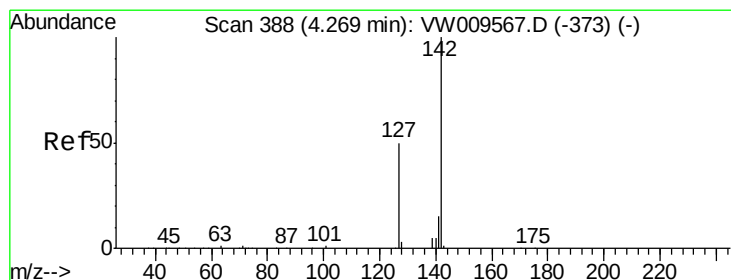
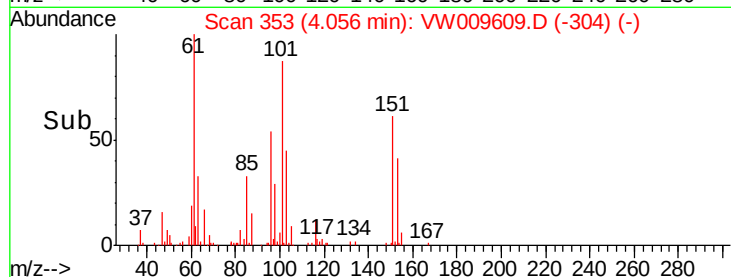
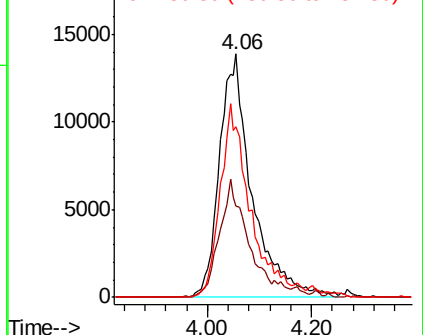
101 100

85 44.1 35.1 52.7

151 74.0 62.9 94.3



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



#10

Methyl Iodide

Concen: 18.335 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

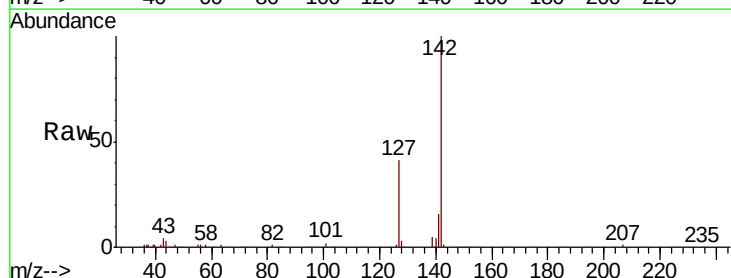
Tgt Ion:142 Resp: 76517

Ion Ratio Lower Upper

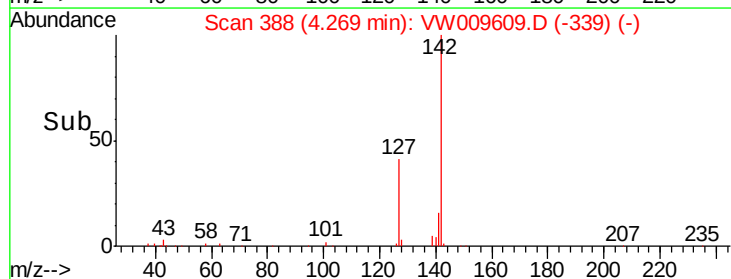
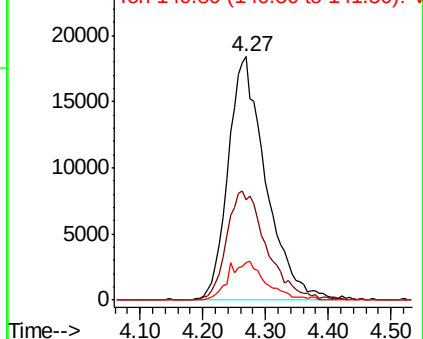
142 100

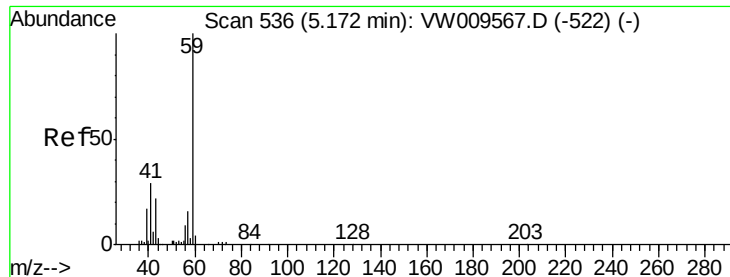
127 47.7 35.9 53.9

141 15.9 11.4 17.2



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



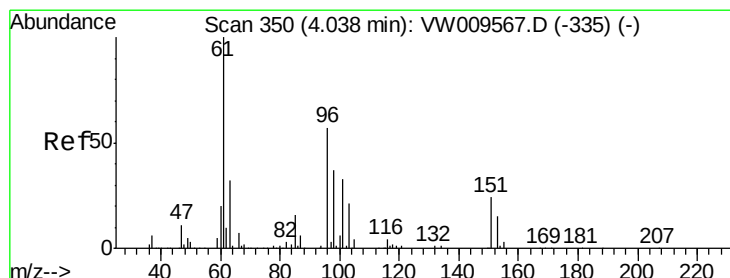
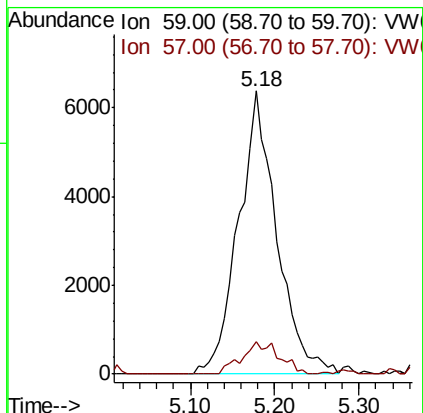
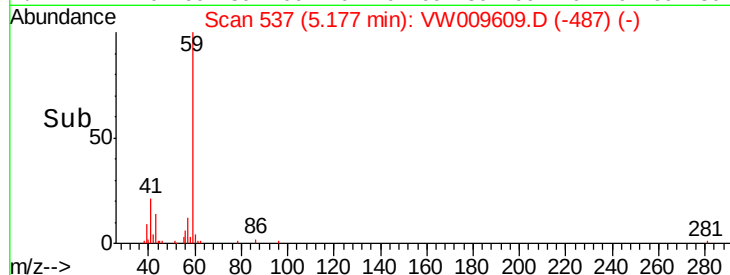
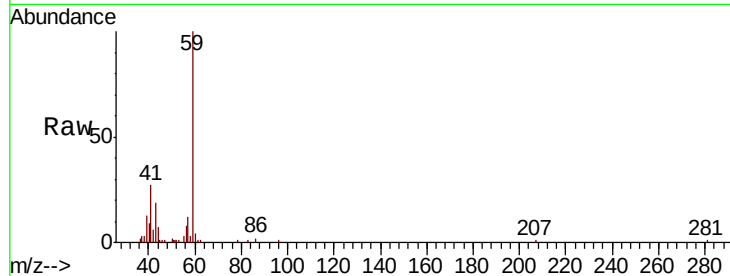


#11

Tert butyl alcohol
Concen: 99.835 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :

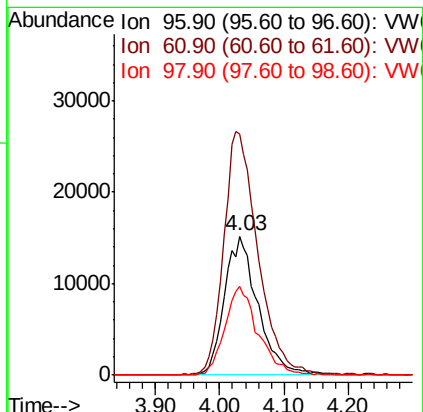
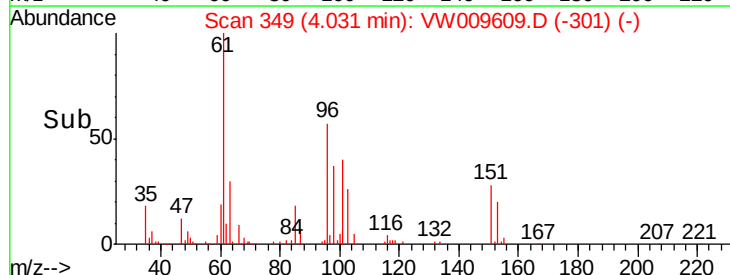
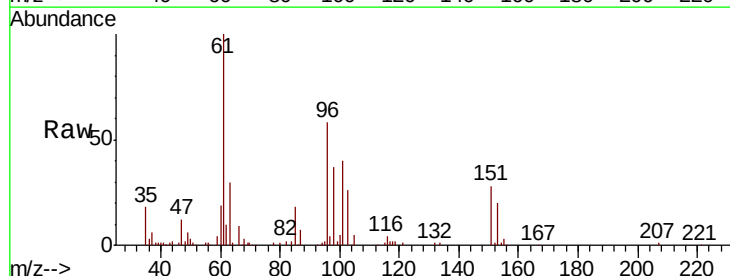
Tot Ion: 59 Resp: 19629
Ion Ratio Lower Upper
59 100
57 11.2 9.4 14.0

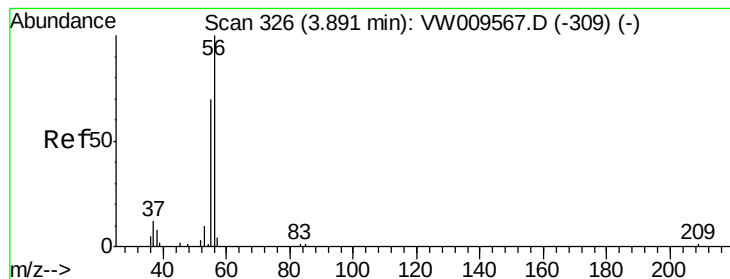


#12

1,1-Dichloroethene
Concen: 19.281 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 96 Resp: 55186
Ion Ratio Lower Upper
96 100
61 173.5 138.0 207.0
98 64.0 49.8 74.8





#13

Acrolein

Concen: 99.821 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

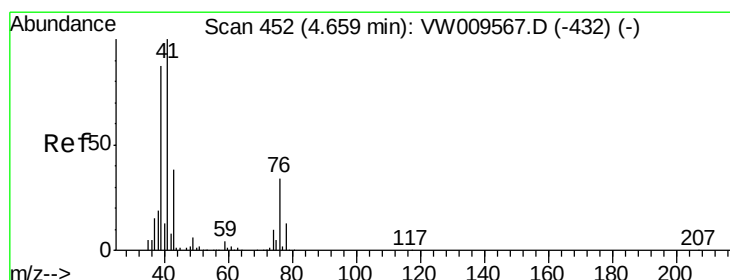
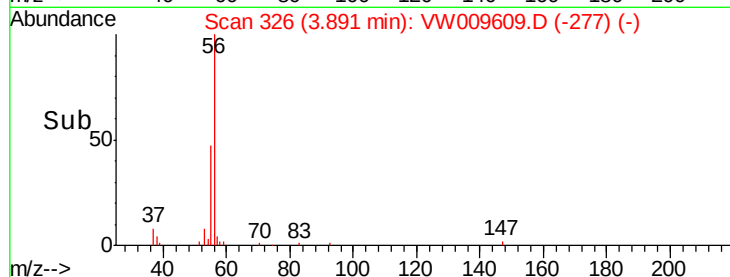
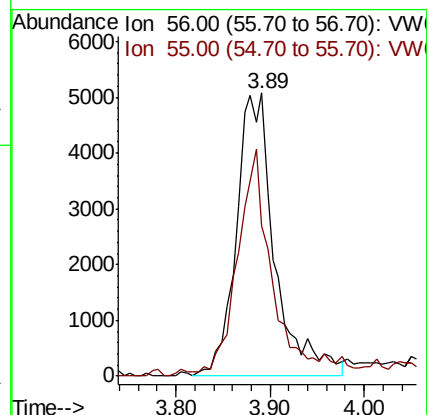
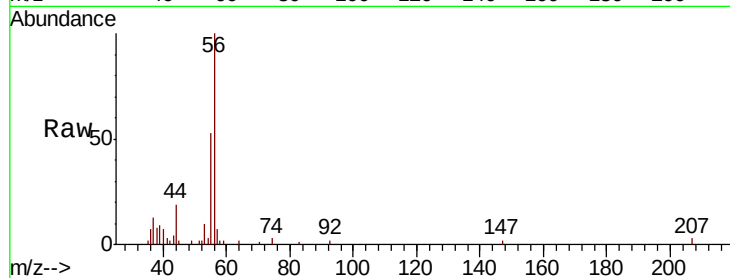
ClientSampleId :

Tot Ion: 56 Resp: 14395

Ion Ratio Lower Upper

56 100

55 65.5 55.2 82.8



#14

Allyl chloride

Concen: 16.031 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

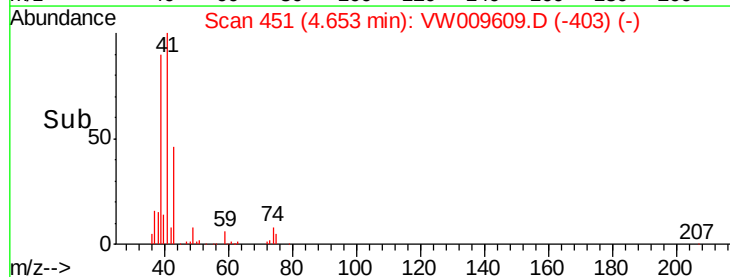
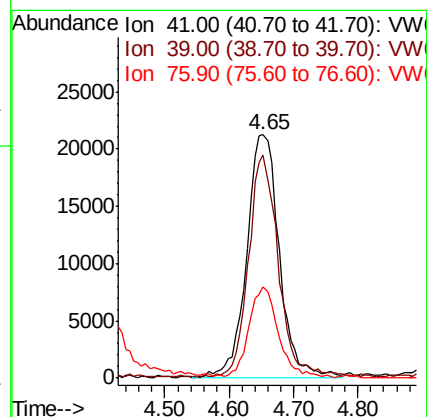
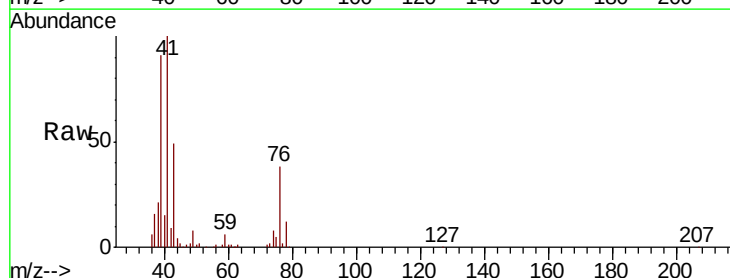
Tgt Ion: 41 Resp: 73392

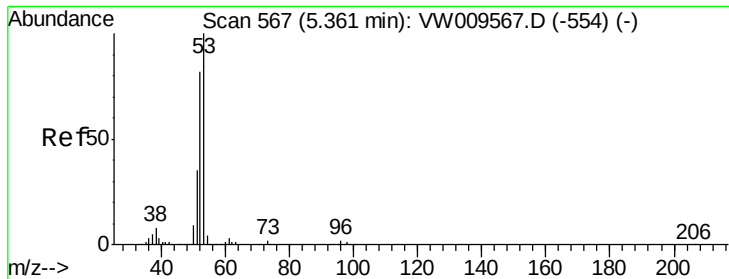
Ion Ratio Lower Upper

41 100

39 84.5 63.8 95.6

76 33.3 27.8 41.6





#15

Acrylonitrile

Concen: 94.849 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

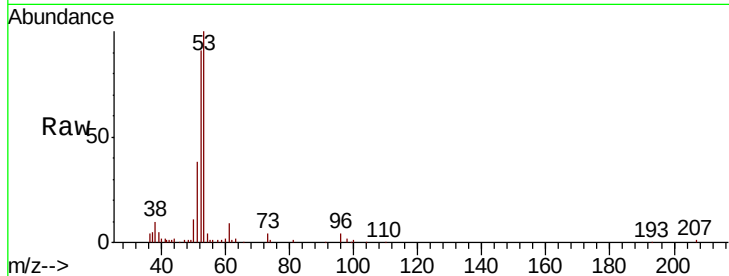
Tot Ion: 53 Resp: 66362

Ion Ratio Lower Upper

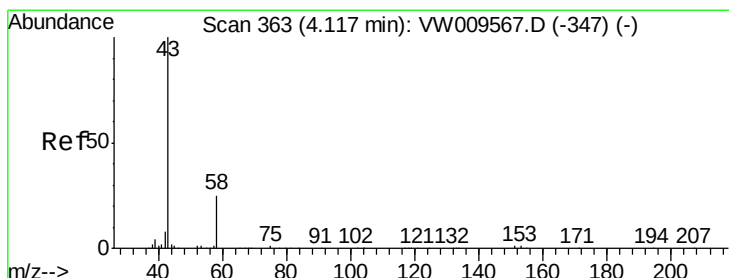
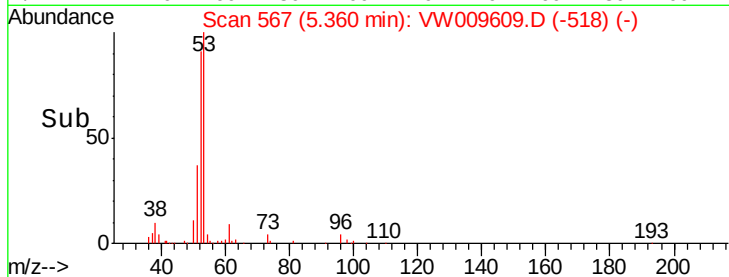
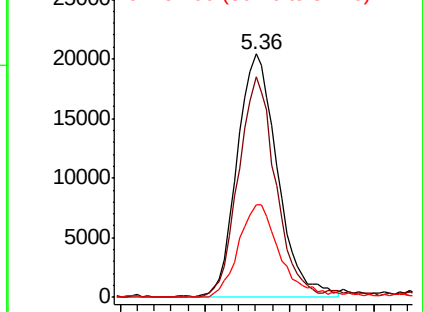
53 100

52 83.6 67.6 101.4

51 39.6 30.6 45.8



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: 95.527 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009609.D

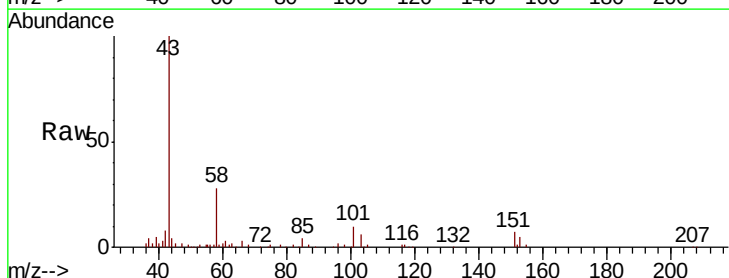
Acq: 31 Mar 2019 14:31

Tgt Ion: 43 Resp: 72832

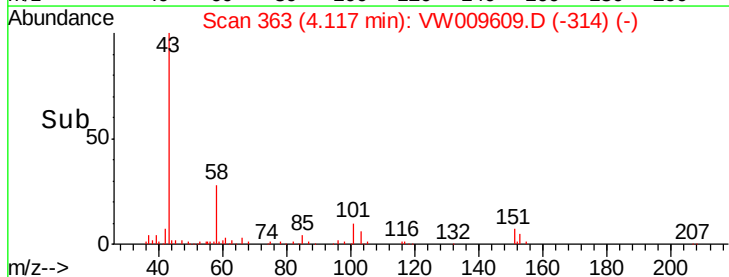
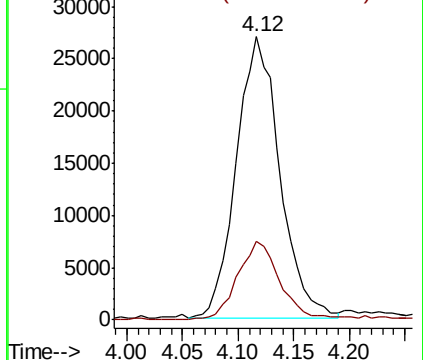
Ion Ratio Lower Upper

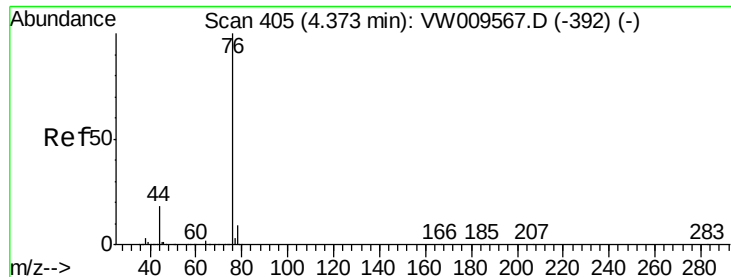
43 100

58 28.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 18.325 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

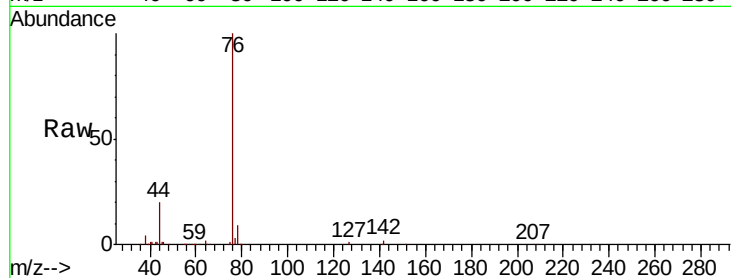
ClientSampleId :

Tot Ion: 76 Resp: 149243

Ion Ratio Lower Upper

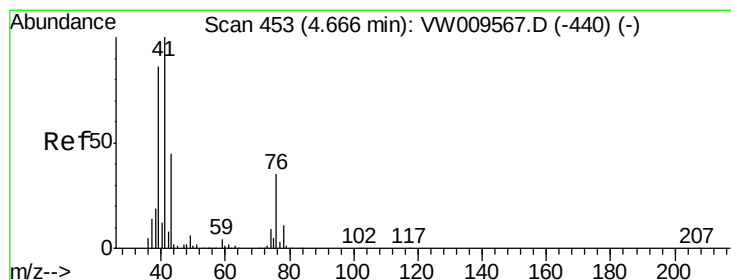
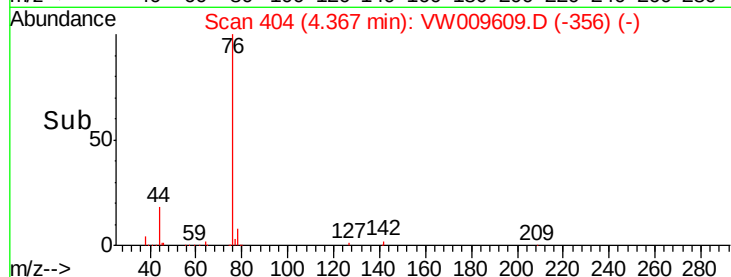
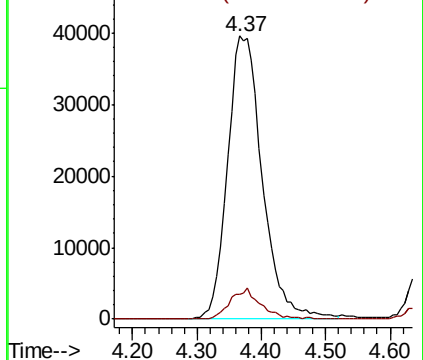
76 100

78 8.6 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.144 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009609.D

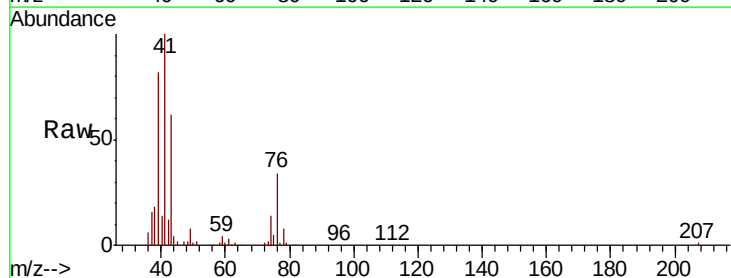
Acq: 31 Mar 2019 14:31

Tgt Ion: 43 Resp: 33439

Ion Ratio Lower Upper

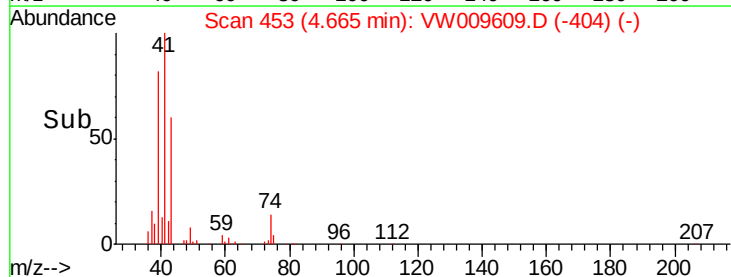
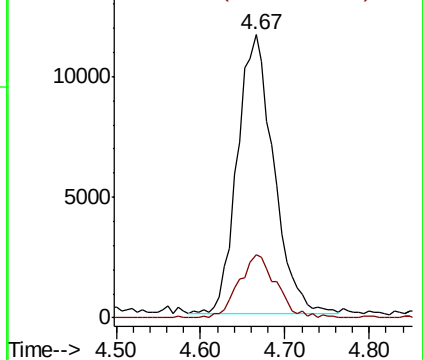
43 100

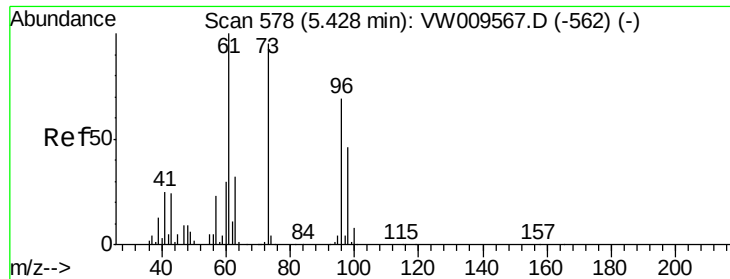
74 23.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

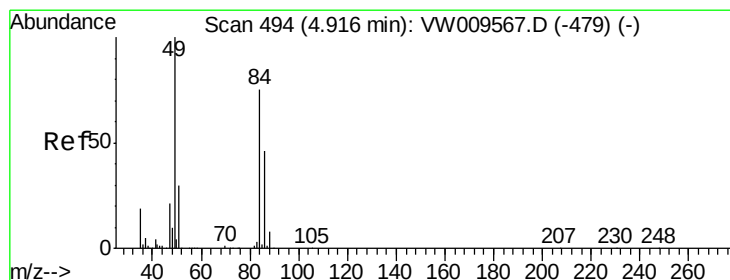
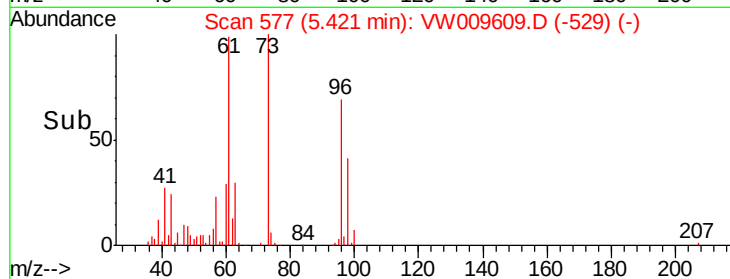
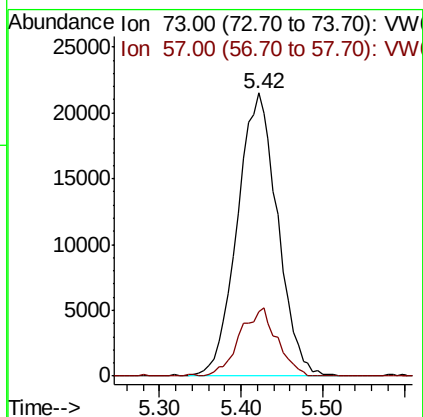
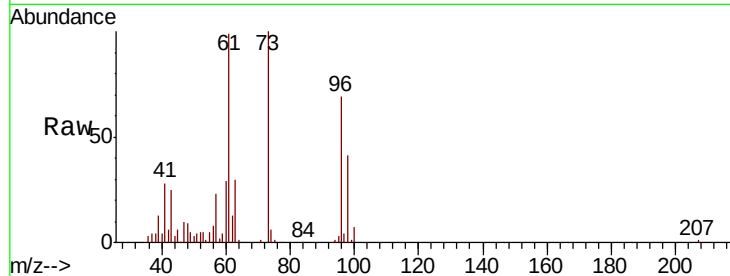




#19
Methyl tert-butyl Ether
Concen: 18.522 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

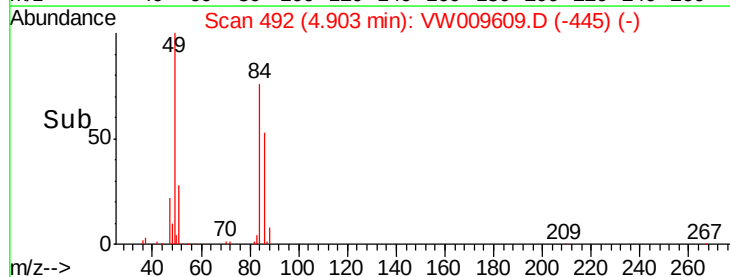
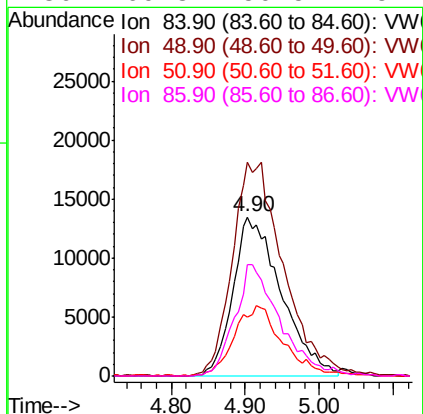
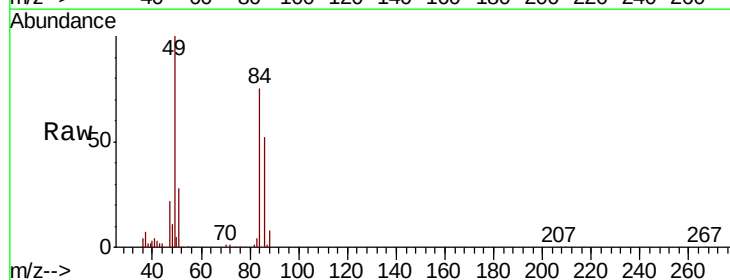
Instrument :
MSVOA_W
ClientSampled :

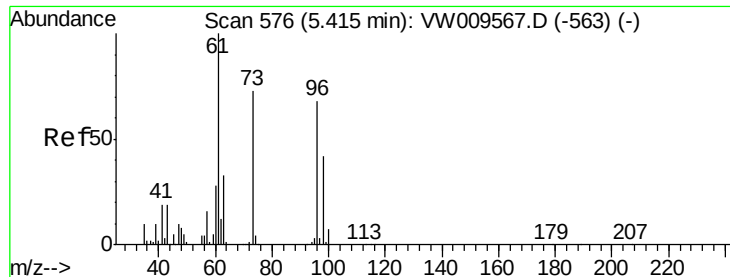
Tot Ion: 73 Resp: 73734
Ion Ratio Lower Upper
73 100
57 22.6 17.0 25.6



#20
Methylene Chloride
Concen: 17.978 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 84 Resp: 61203
Ion Ratio Lower Upper
84 100
49 134.2 99.1 148.7
51 37.4 28.7 43.1
86 69.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.268 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampled :

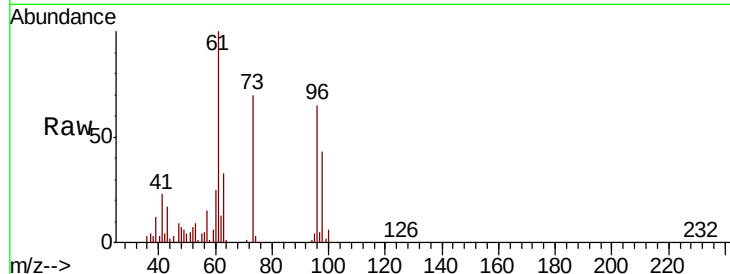
Tot Ion: 96 Resp: 58554

Ion Ratio Lower Upper

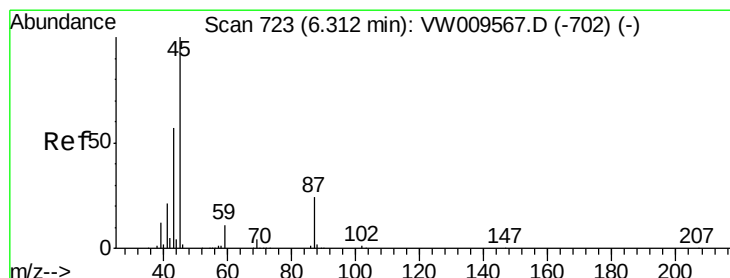
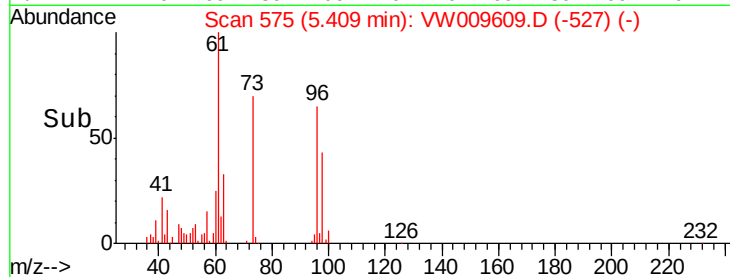
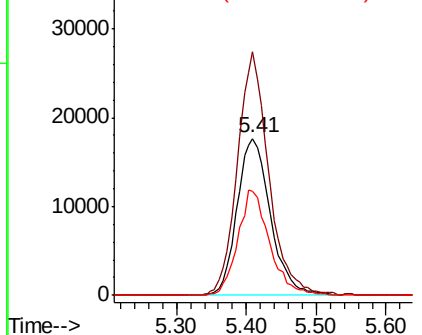
96 100

61 154.9 108.2 162.4

98 66.3 50.9 76.3



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: 19.414 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion: 45 Resp: 191942

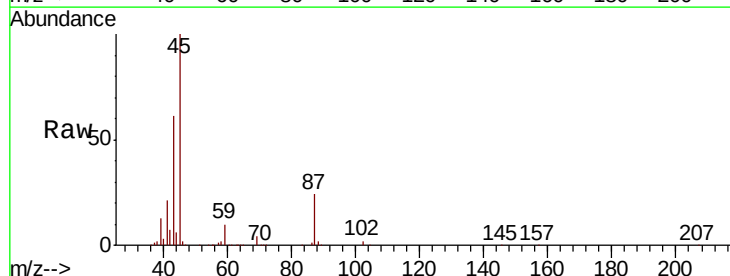
Ion Ratio Lower Upper

45 100

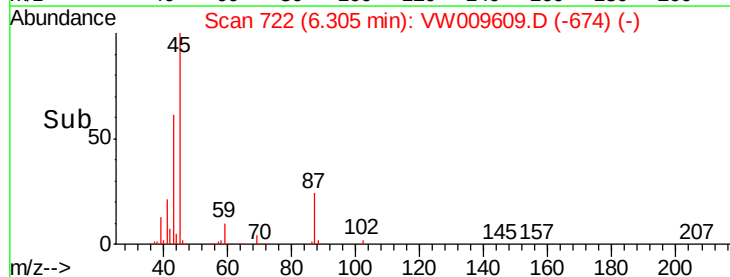
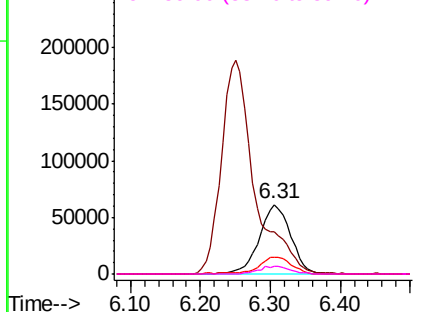
43 60.5 47.9 71.9

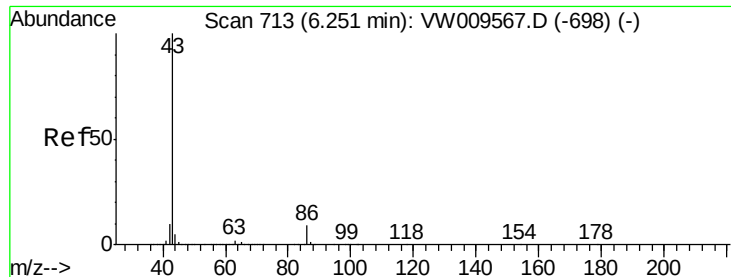
87 24.4 20.6 30.8

59 10.1 9.0 13.4



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: 100.777 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

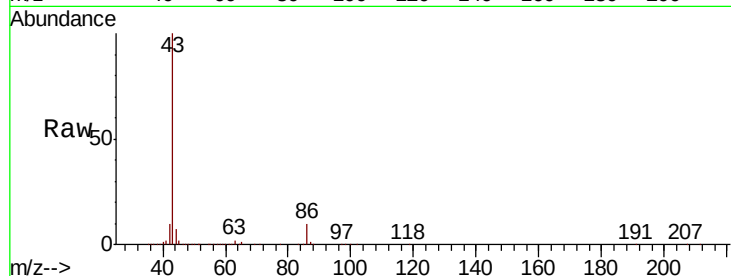
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 621573

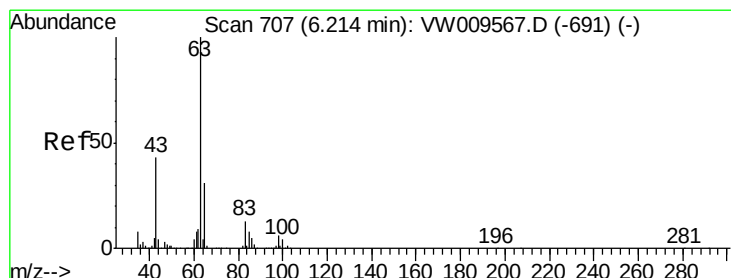
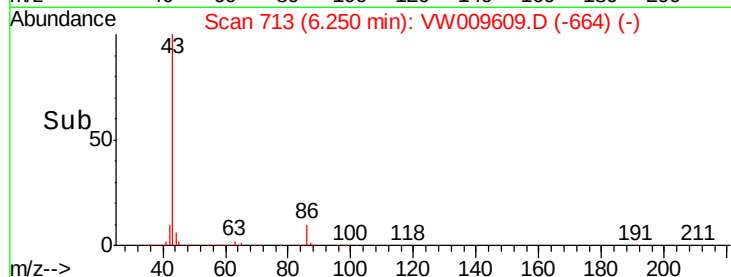
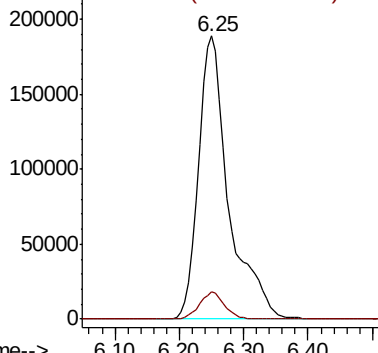
Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5



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



#24

1,1-Dichloroethane

Concen: 19.418 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

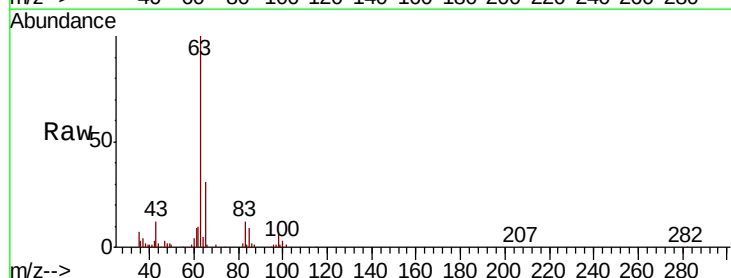
Tgt Ion: 63 Resp: 115550

Ion Ratio Lower Upper

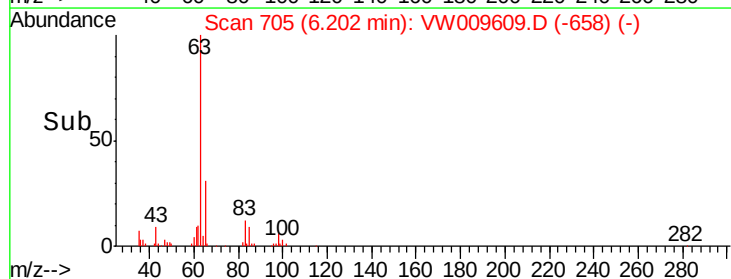
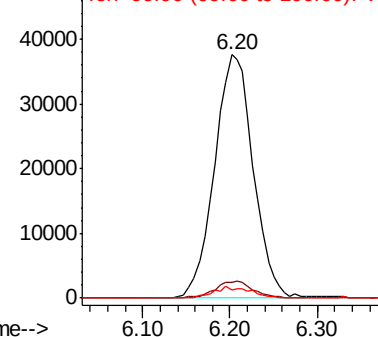
63 100

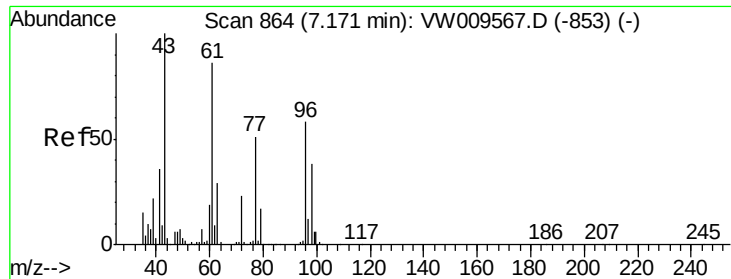
98 6.3 3.7 11.1

100 3.2 2.4 7.1



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: 102.377 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

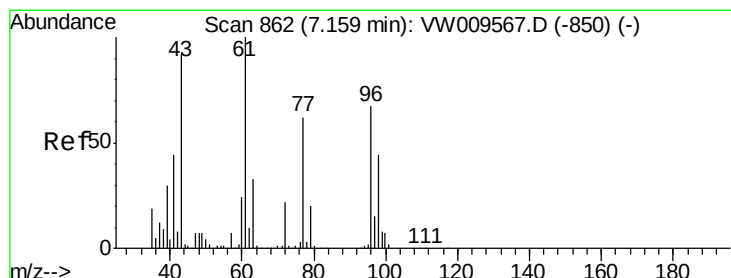
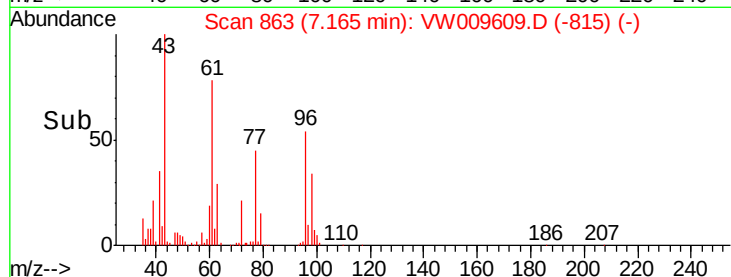
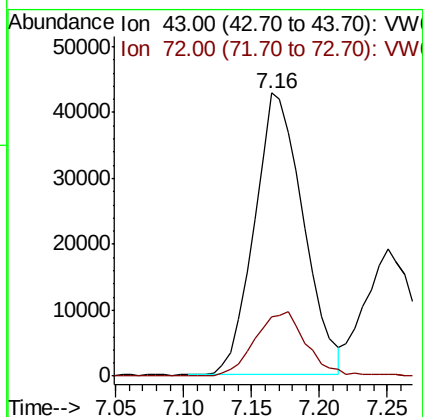
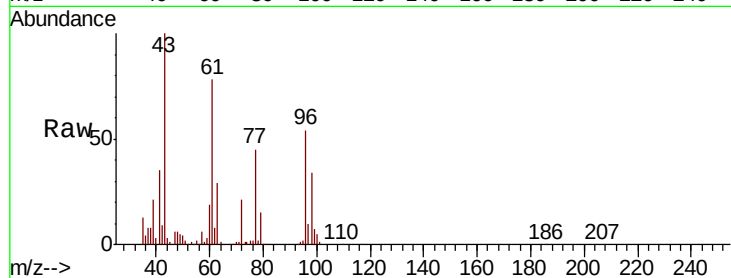
ClientSampled :

Tot Ion: 43 Resp: 107862

Ion Ratio Lower Upper

43 100

72 20.9 20.0 30.0



#26

2,2-Dichloropropane

Concen: 18.010 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW009609.D

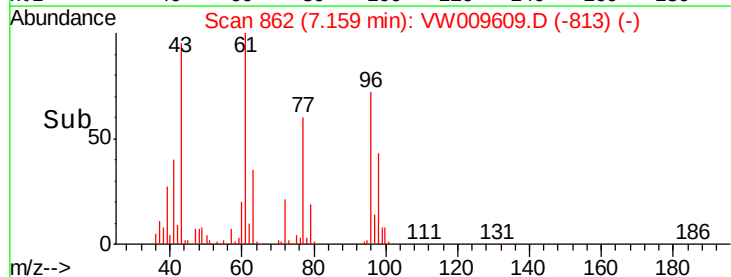
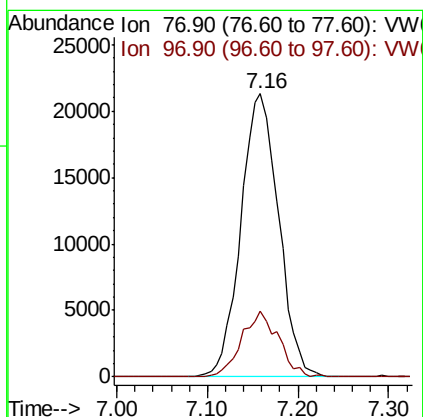
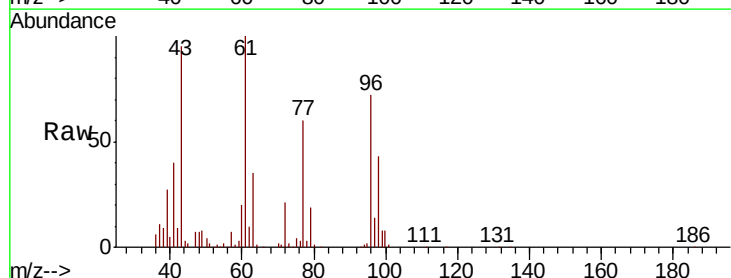
Acq: 31 Mar 2019 14:31

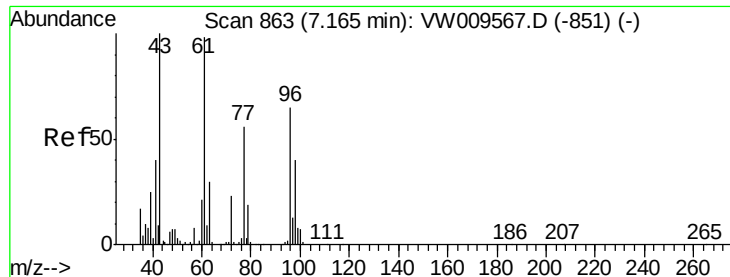
Tgt Ion: 77 Resp: 61275

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7



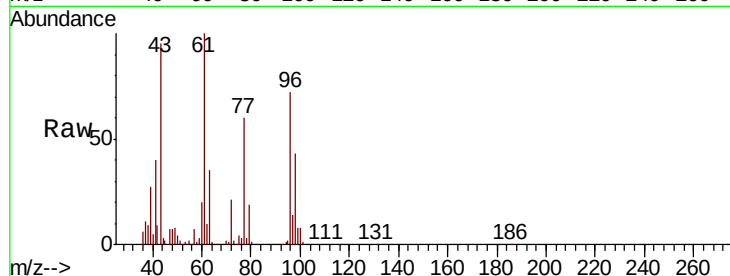


#27

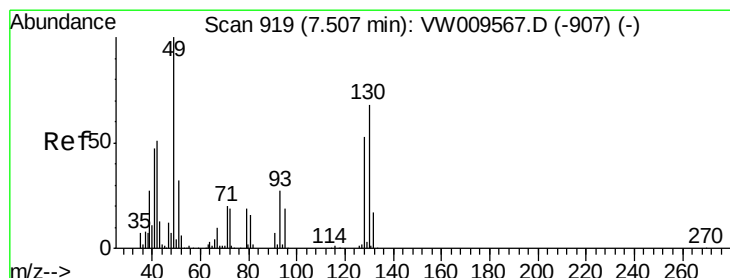
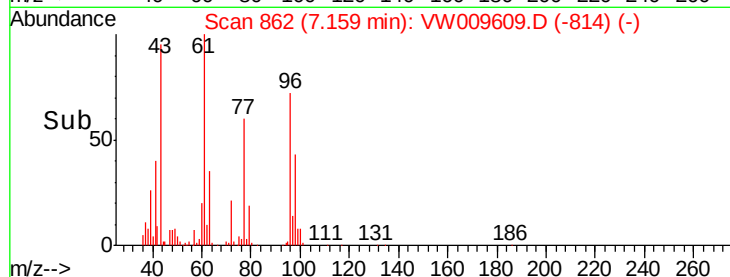
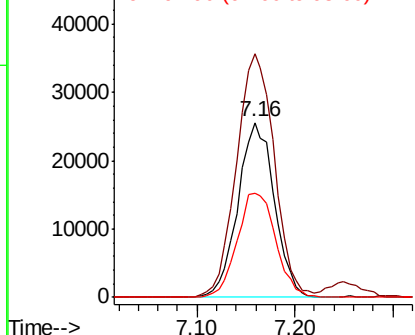
cis-1,2-Dichloroethene
 Concen: 19.945 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	66193
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	289.8
98	62.8	0.0	130.8



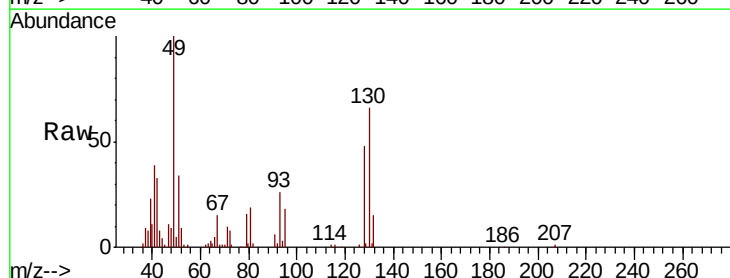
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



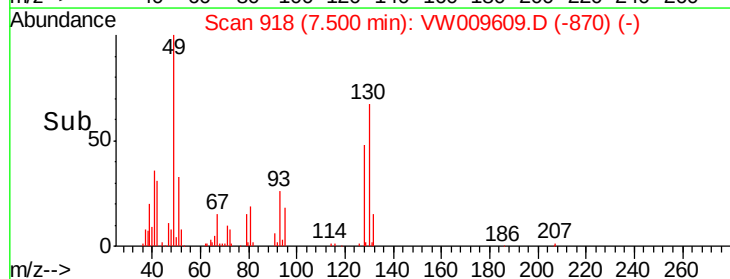
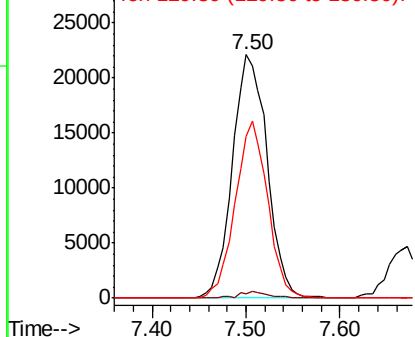
#28

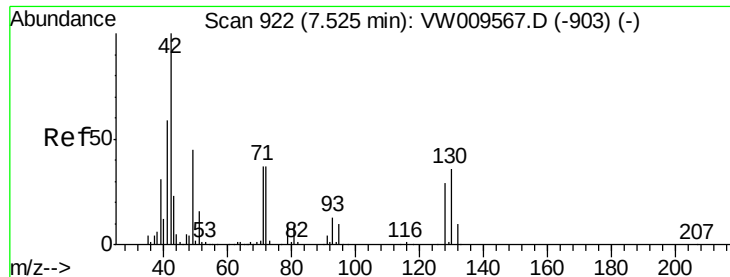
Bromochloromethane
 Concen: 21.985 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	49	Resp	56691
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	1.4#
130	68.1	58.6	88.0



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

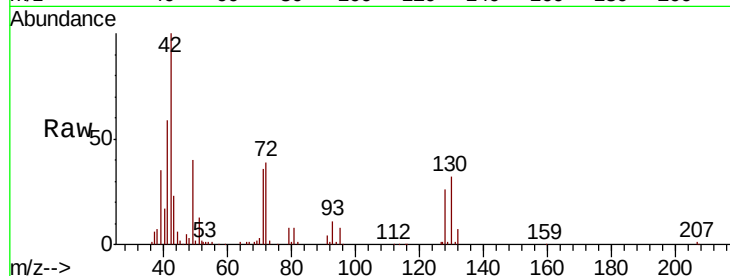




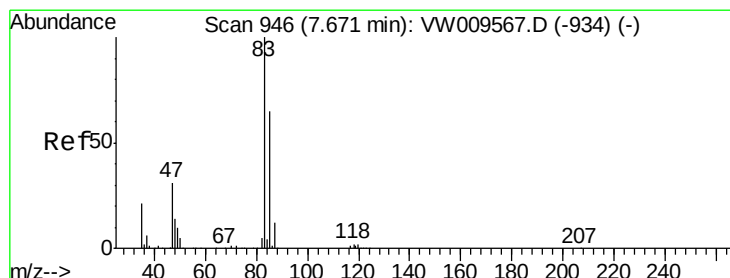
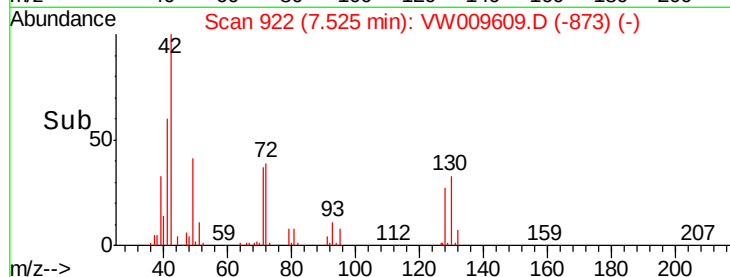
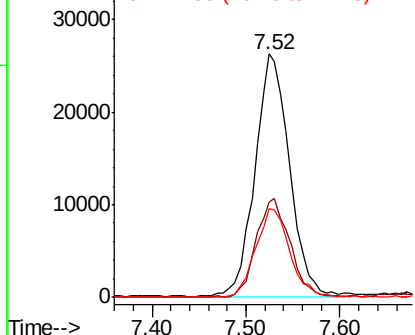
#29
Tetrahydrofuran
Concen: 102.848 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 67284
Ion Ratio Lower Upper
42 100
72 39.9 32.4 48.6
71 36.3 30.1 45.1

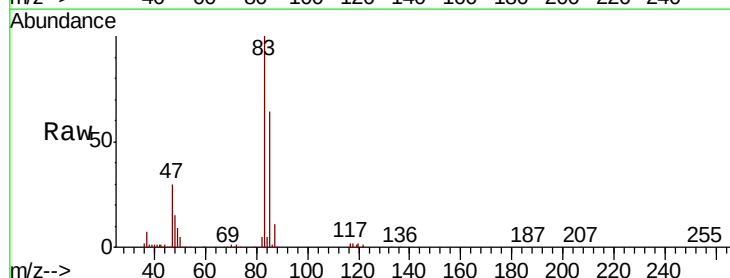


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

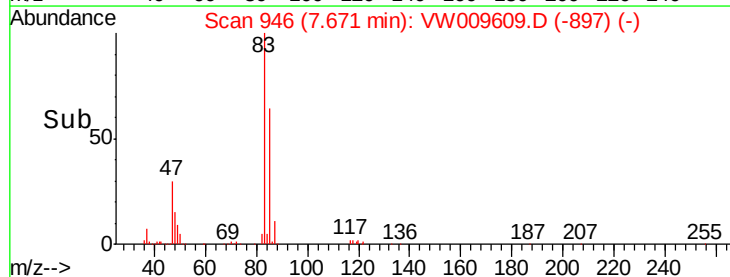
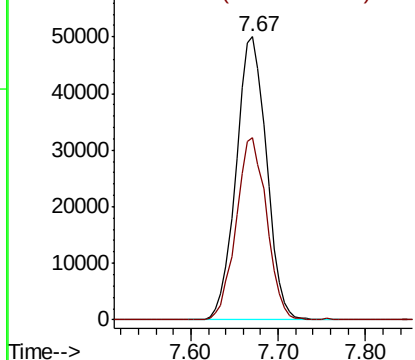


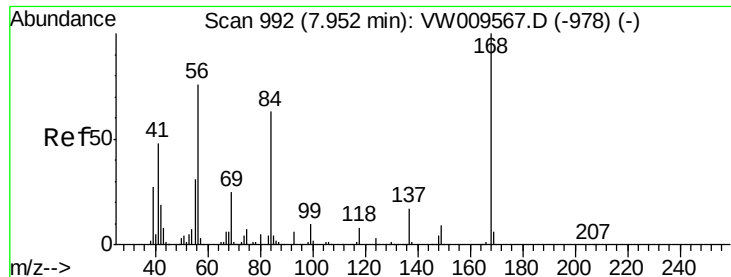
#30
Chloroform
Concen: 19.647 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 83 Resp: 121092
Ion Ratio Lower Upper
83 100
85 64.5 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

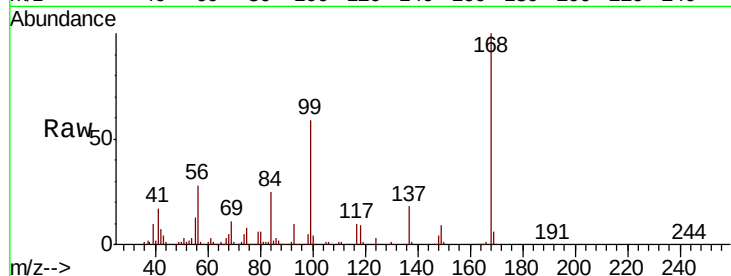




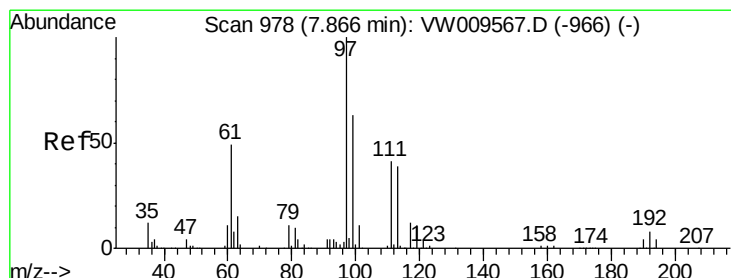
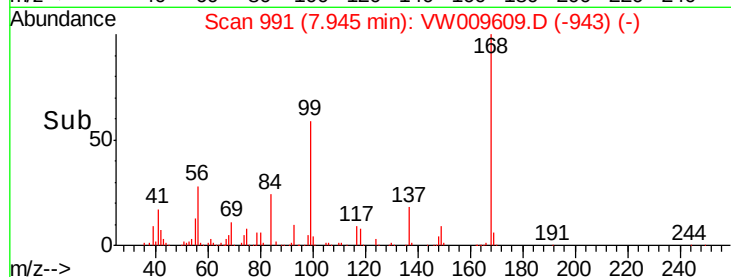
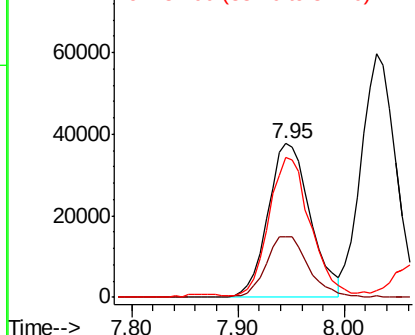
#31
Cyclohexane
Concen: 18.610 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 103824
Ion Ratio Lower Upper
56 100
69 39.6 26.1 39.1#
84 89.1 68.6 103.0

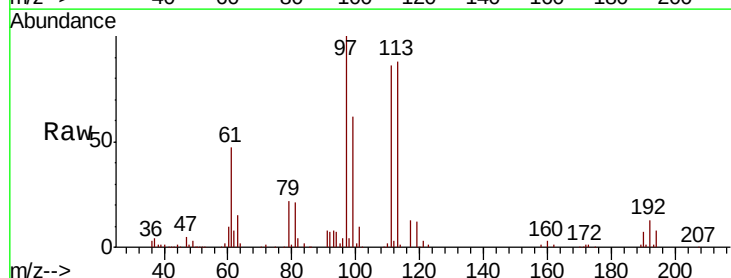


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

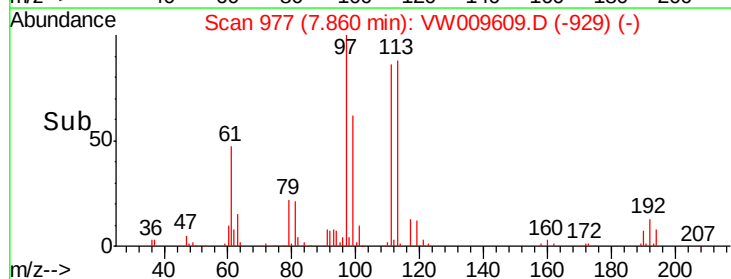
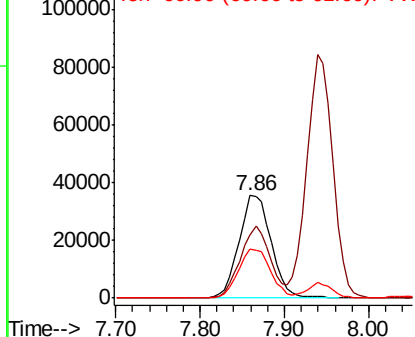


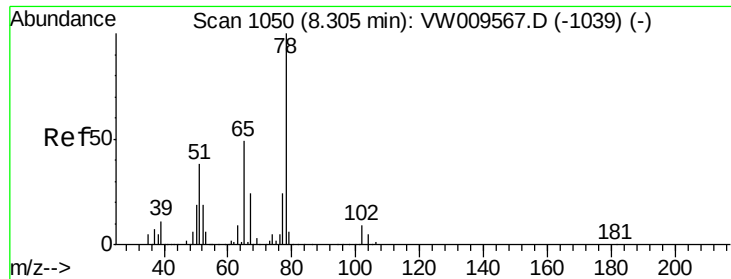
#32
1,1,1-Trichloroethane
Concen: 18.354 ug/l
RT: 7.86 min Scan# 977
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 97 Resp: 91575
Ion Ratio Lower Upper
97 100
99 65.8 51.9 77.9
61 48.0 36.8 55.2



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

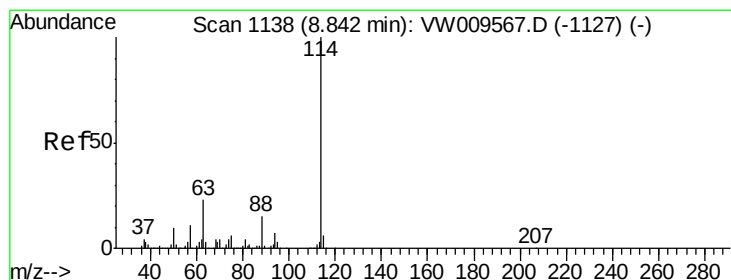
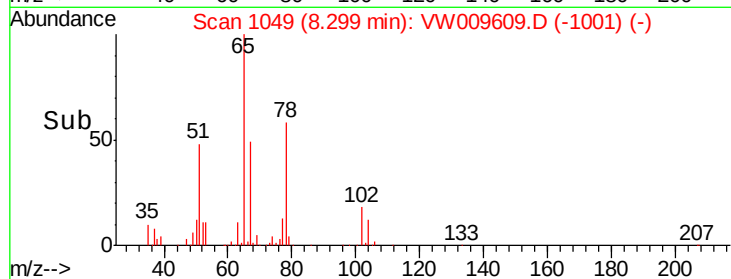
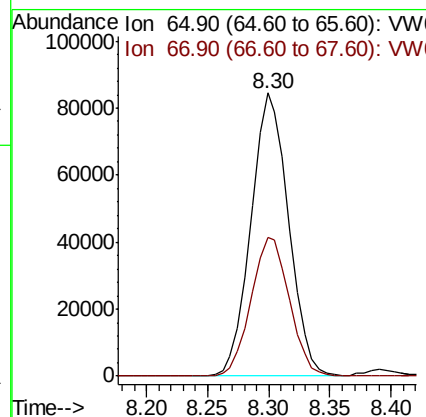
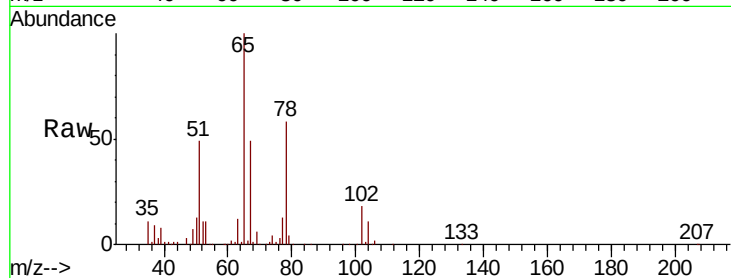




#33
 1,2-Dichloroethane-d4
 Concen: 53.263 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

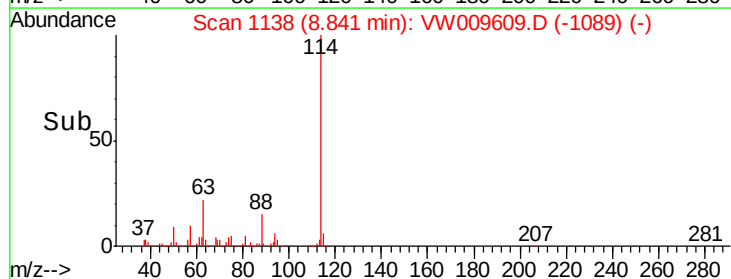
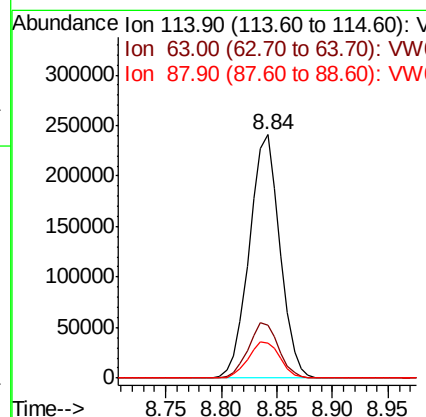
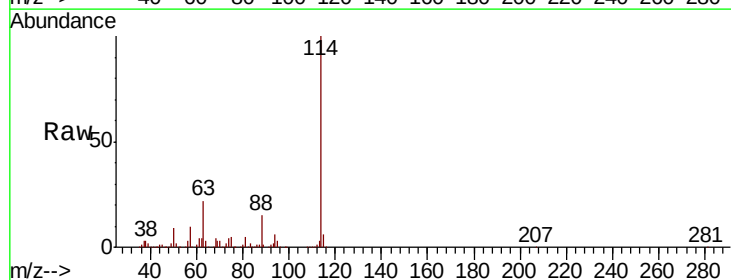
Instrument :
 MSVOA_W
 ClientSampleId :

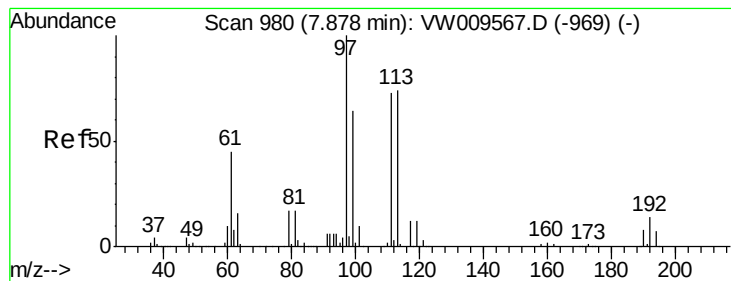
Tot Ion: 65 Resp: 180617
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion: 114 Resp: 461148
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.2
 88 14.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.182 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

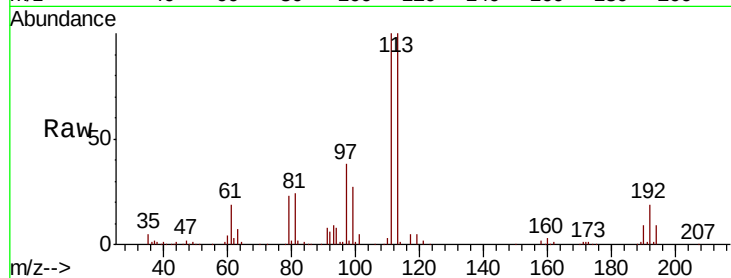
Tot Ion:113 Resp: 151138

Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

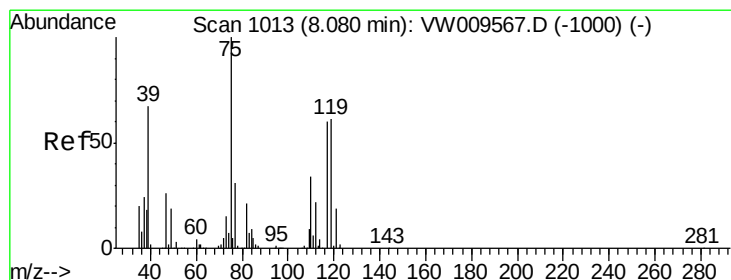
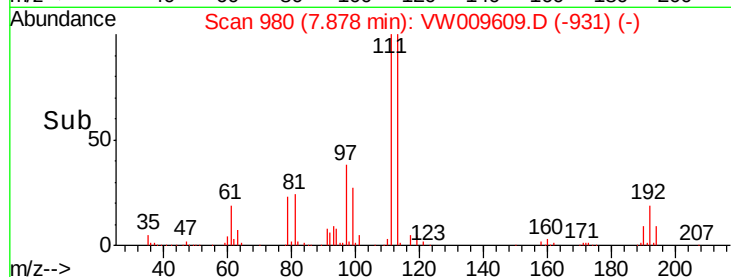
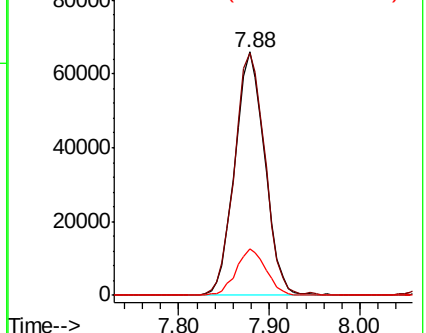
192 19.0 16.4 24.6



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: 19.759 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

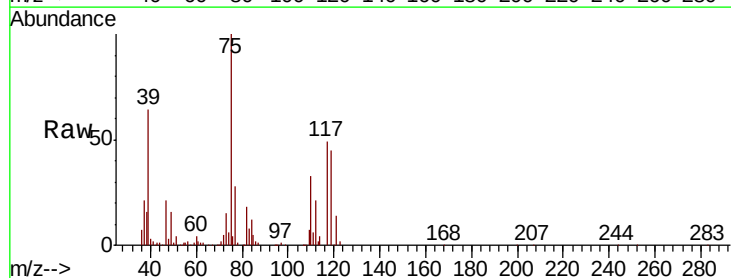
Tgt Ion: 75 Resp: 94248

Ion Ratio Lower Upper

75 100

110 33.1 16.8 50.4

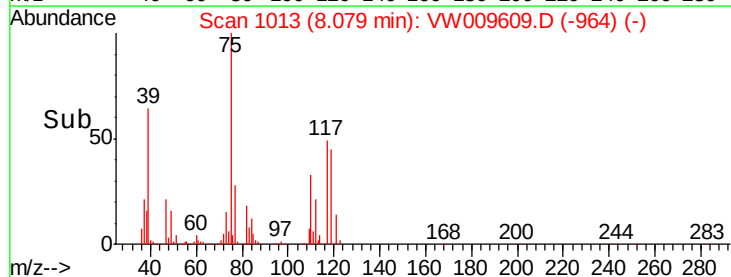
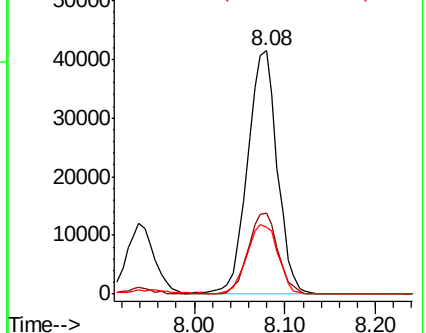
77 30.0 24.6 36.8

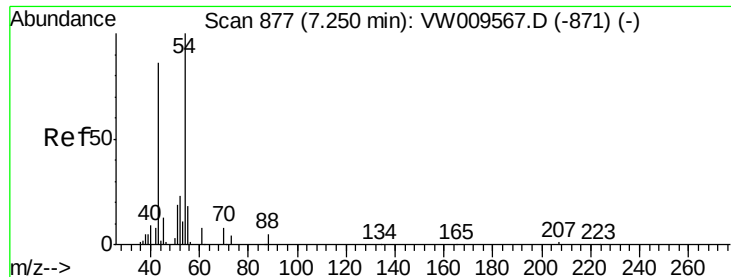


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

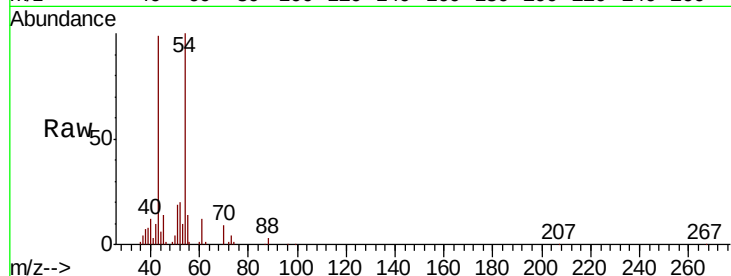




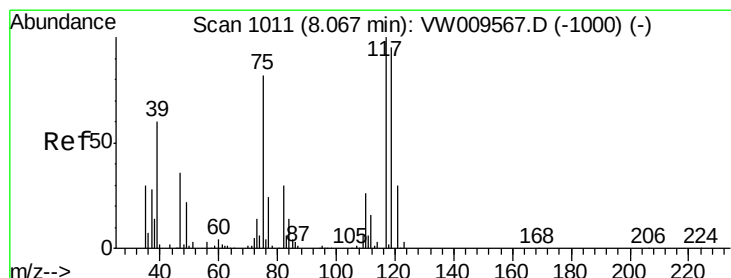
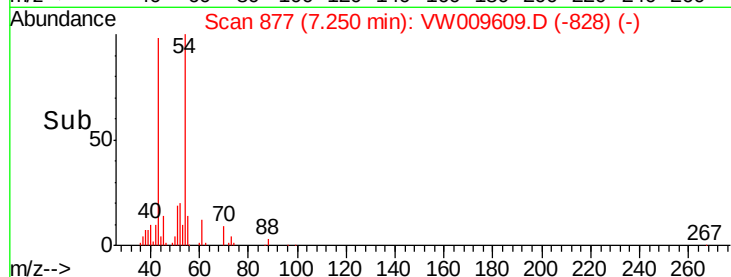
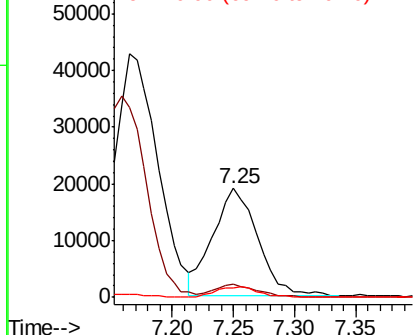
#37
Ethyl Acetate
Concen: 21.154 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 47938
Ion Ratio Lower Upper
43 100
61 12.3 10.0 15.0
70 9.4 7.3 10.9

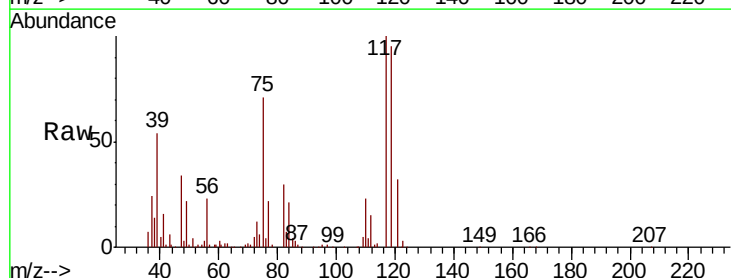


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

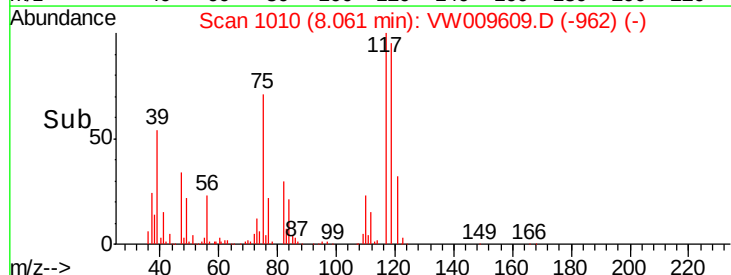
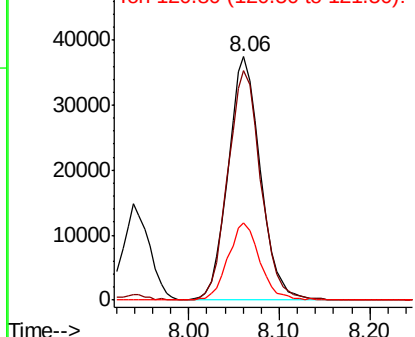


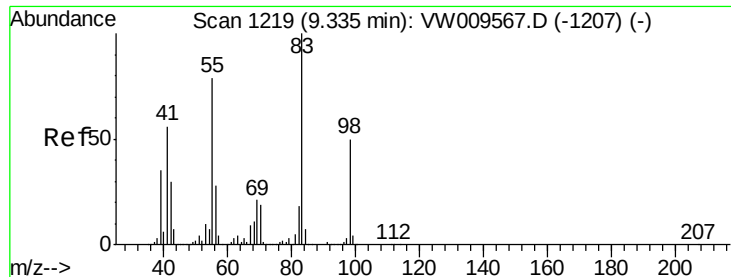
#38
Carbon Tetrachloride
Concen: 19.012 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 117 Resp: 92919
Ion Ratio Lower Upper
117 100
119 94.5 75.4 113.0
121 31.6 24.9 37.3



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

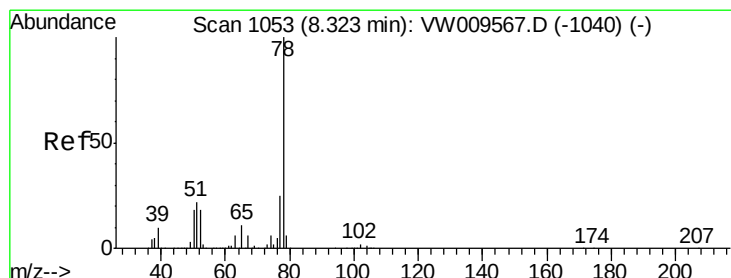
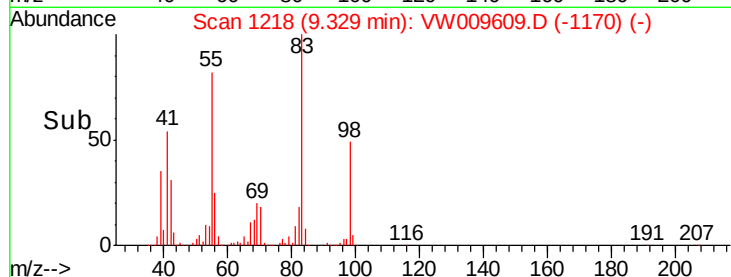
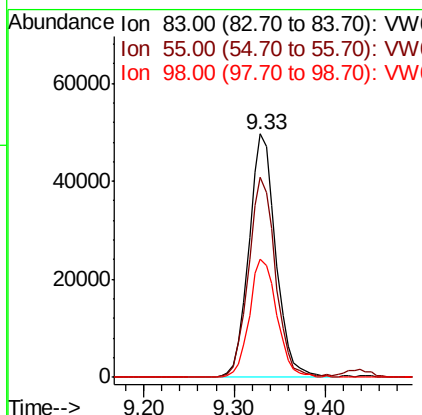
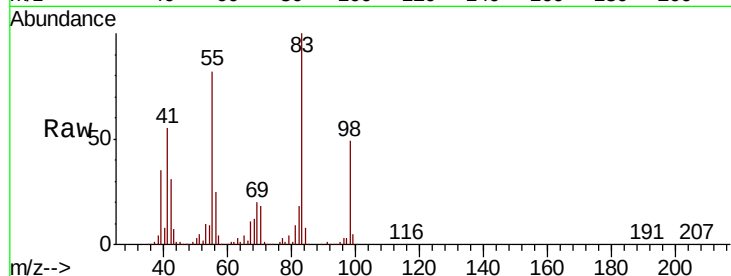




#39
Methylvlcyclohexane
Concen: 18.731 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

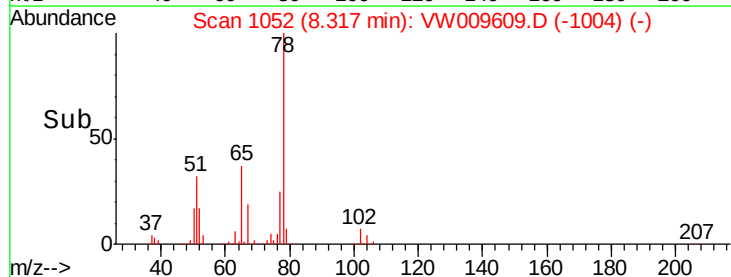
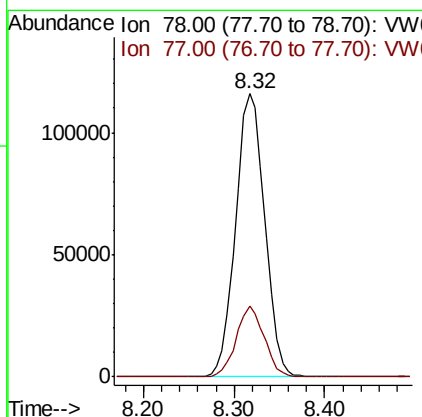
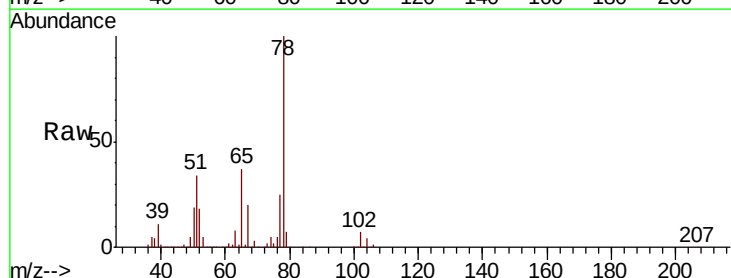
Instrument :
MSVOA_W
ClientSampleId :

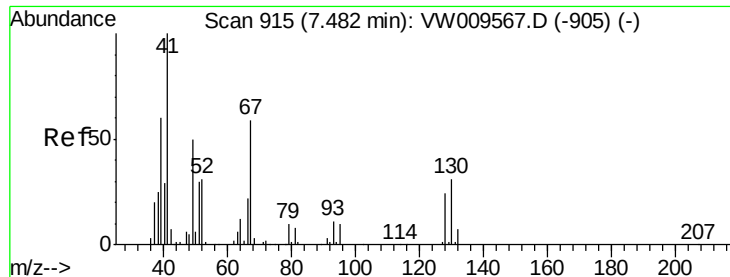
Tot Ion: 83 Resp: 102058
Ion Ratio Lower Upper
83 100
55 82.2 61.1 91.7
98 48.6 39.0 58.4



#40
Benzene
Concen: 19.940 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 78 Resp: 257619
Ion Ratio Lower Upper
78 100
77 24.9 19.8 29.6

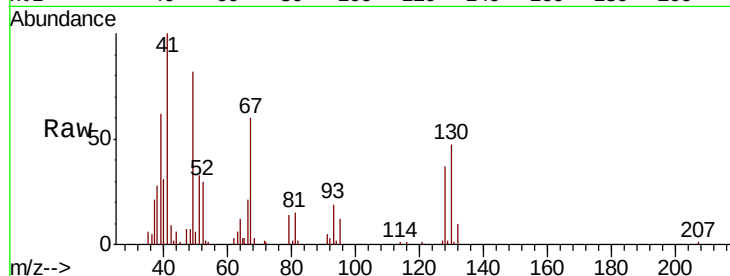




#41
Methacrylonitrile
Concen: 21.289 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	27812
Ion	Ratio	Lower	Upper
41	100		
39	59.1	52.5	78.7
67	60.5	56.6	84.8
52	32.4	27.2	40.8



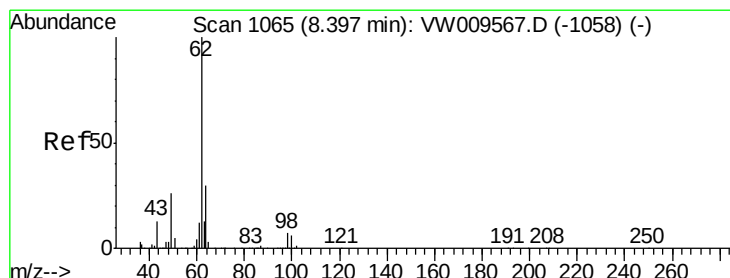
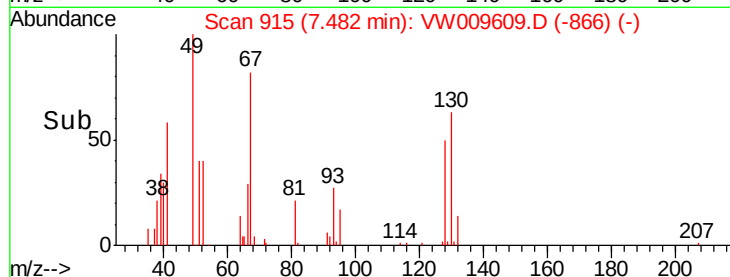
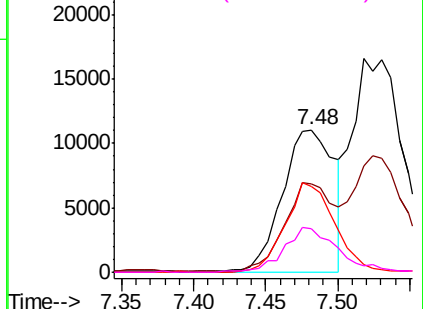
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

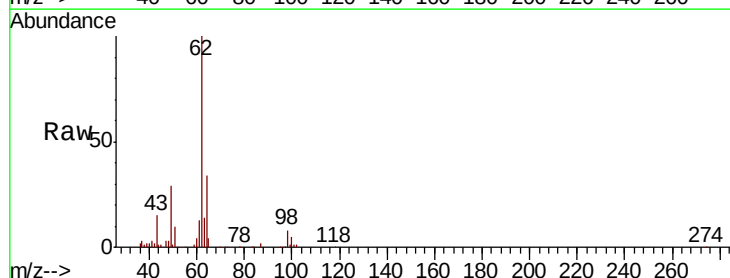
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 20.172 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

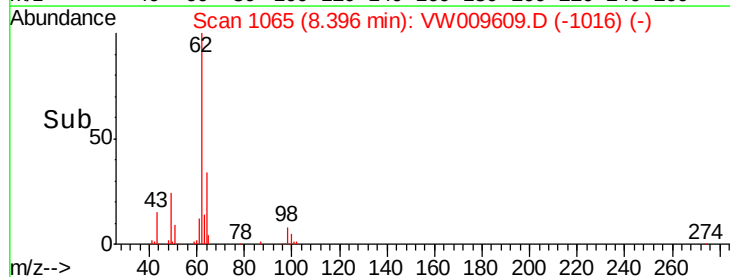
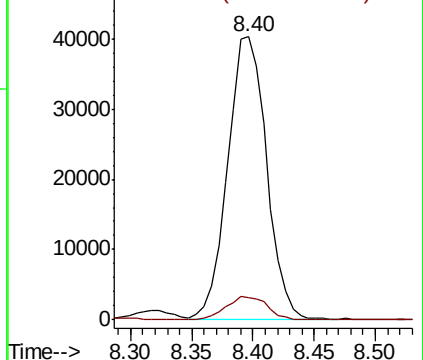
Tgt Ion:	62	Resp:	88849
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4

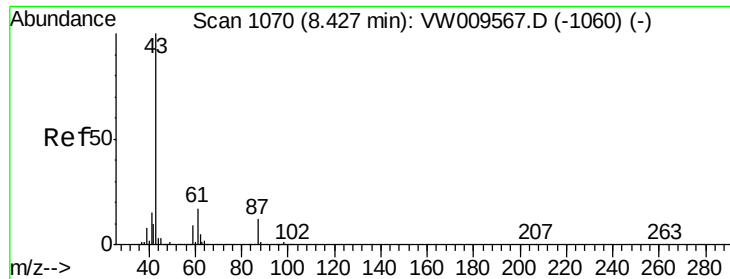


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.904 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

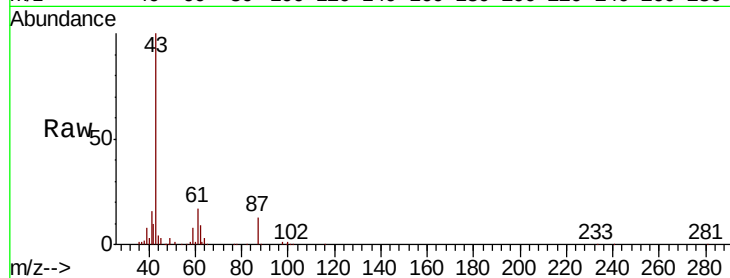
Tot Ion: 43 Resp: 88395

Ion Ratio Lower Upper

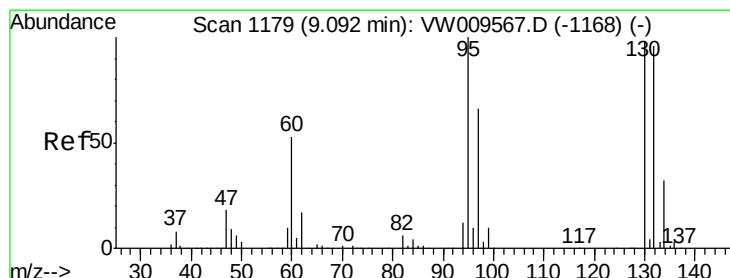
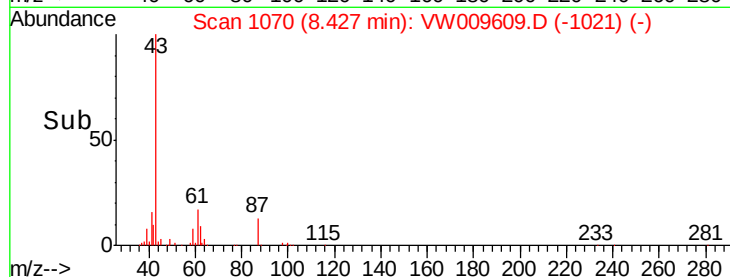
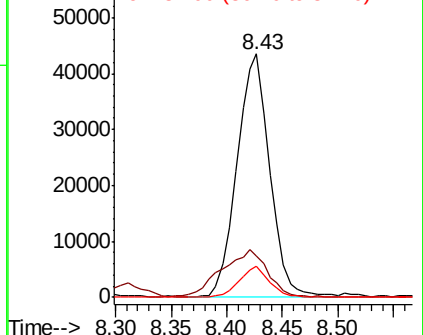
43 100

61 27.8 22.2 33.2

87 11.8 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.299 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009609.D

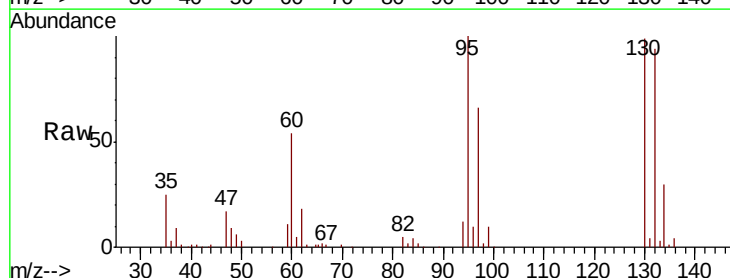
Acq: 31 Mar 2019 14:31

Tgt Ion:130 Resp: 64551

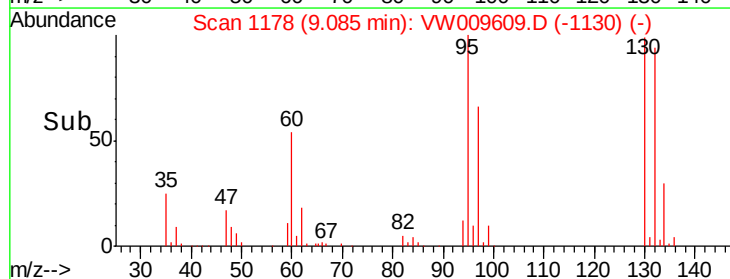
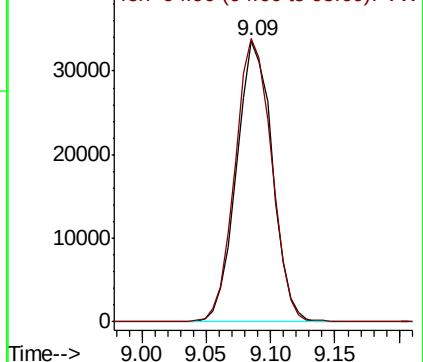
Ion Ratio Lower Upper

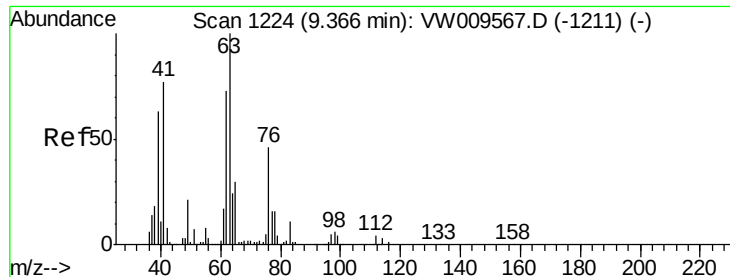
130 100

95 100.6 0.0 192.6



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

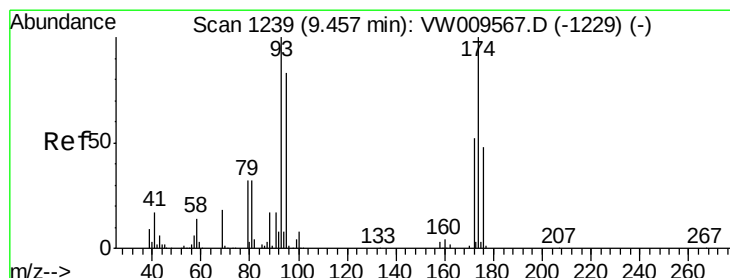
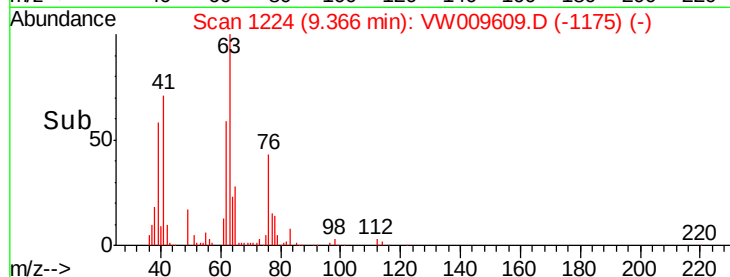
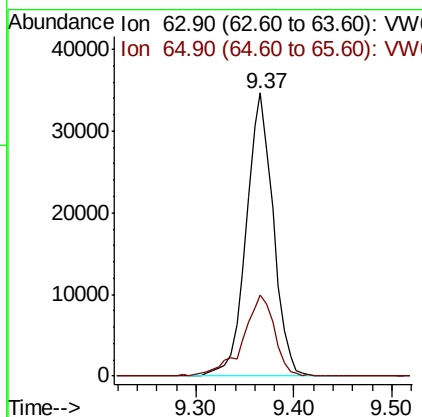
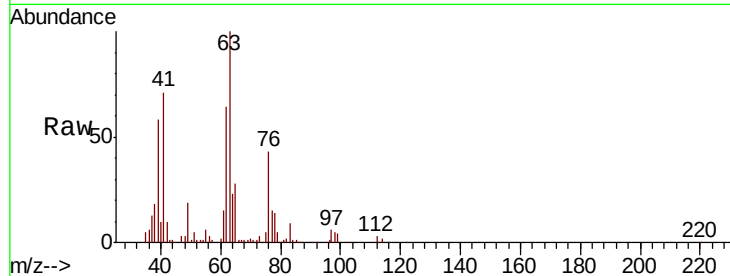




#45
 1,2-Dichloropropane
 Concen: 20.025 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

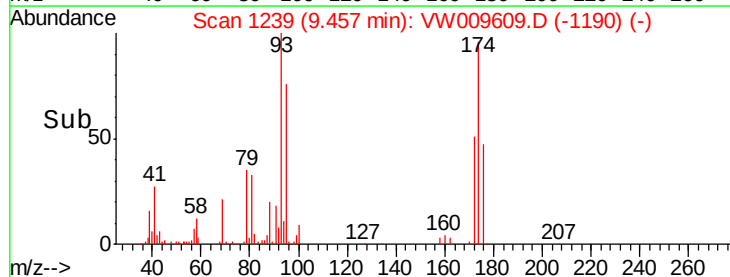
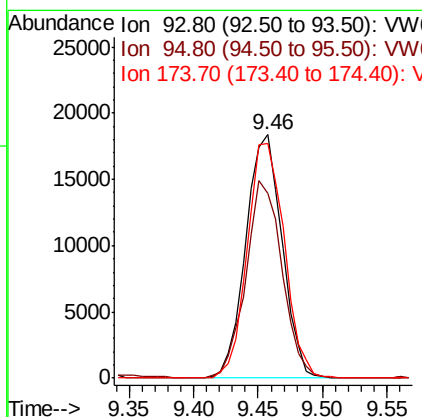
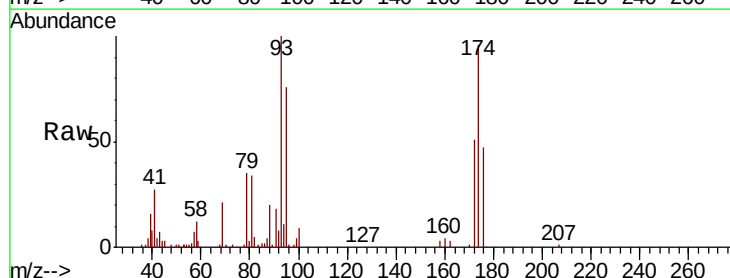
Instrument :
 MSVOA_W
 ClientSampleId :

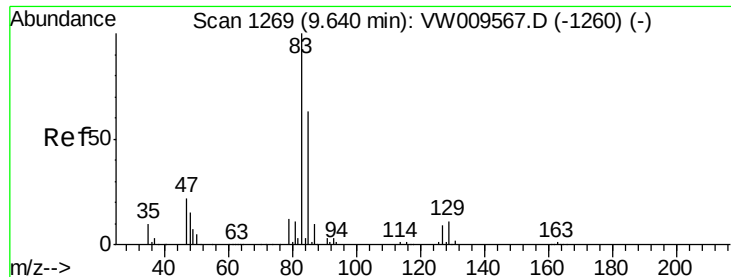
Tot Ion: 63 Resp: 66221
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.8 38.8



#46
 Dibromomethane
 Concen: 19.957 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion: 93 Resp: 35752
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.9 100.3
 174 98.7 80.8 121.2





#47

Bromodichloromethane

Concen: 19.689 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

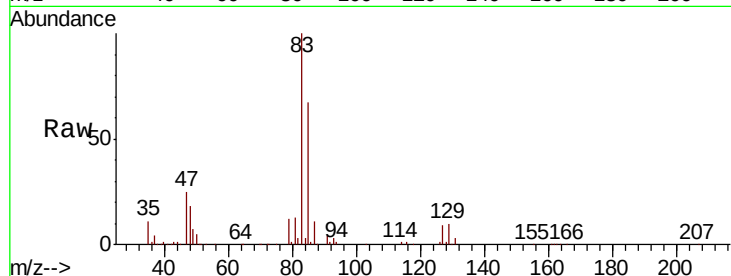
Tot Ion: 83 Resp: 89974

Ion Ratio Lower Upper

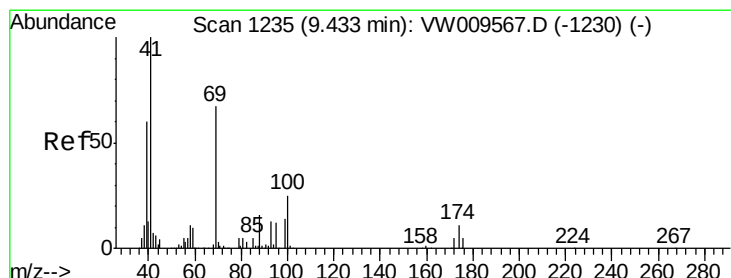
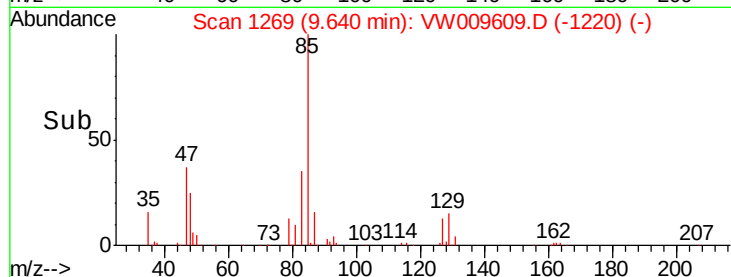
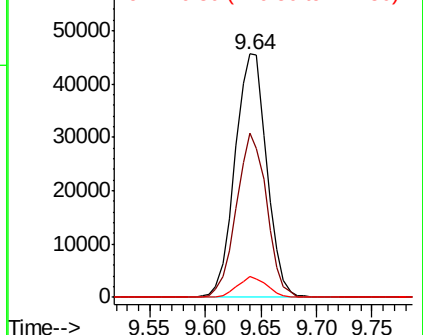
83 100

85 67.1 52.6 79.0

127 8.8 6.5 9.7



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): VW



#48

Methyl methacrylate

Concen: 19.659 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

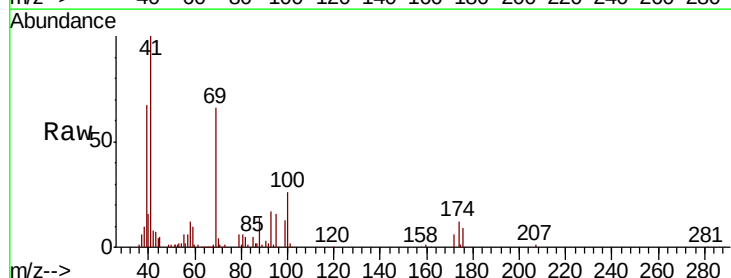
Tgt Ion: 41 Resp: 40926

Ion Ratio Lower Upper

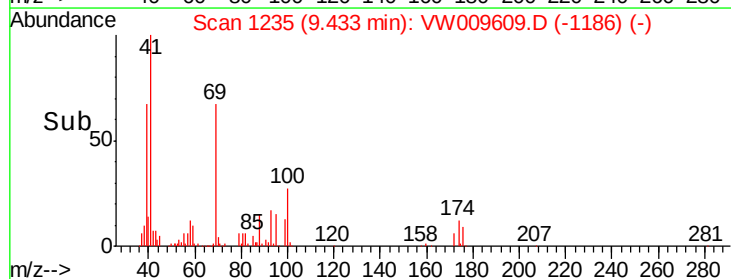
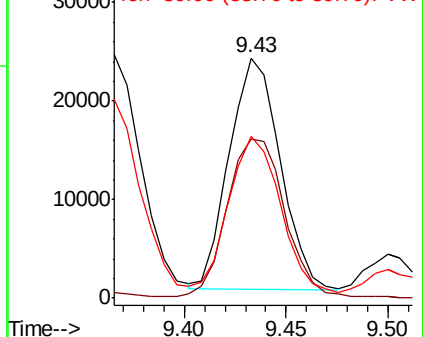
41 100

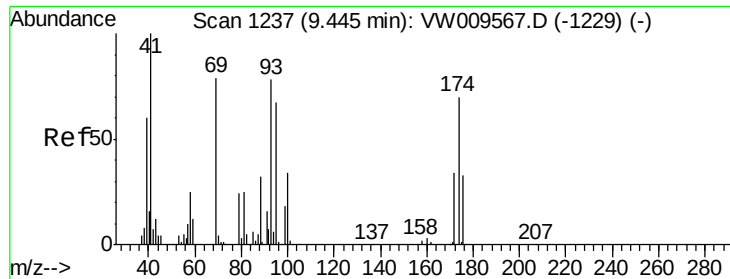
69 78.8 63.0 94.6

39 72.3 57.2 85.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

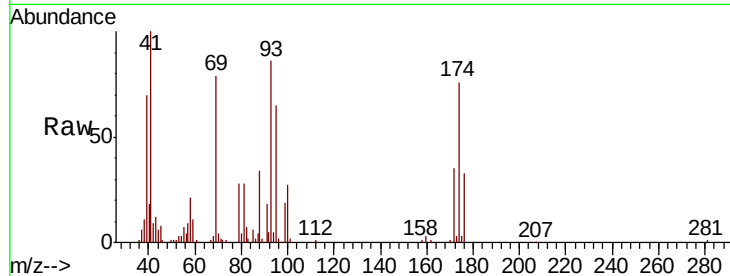




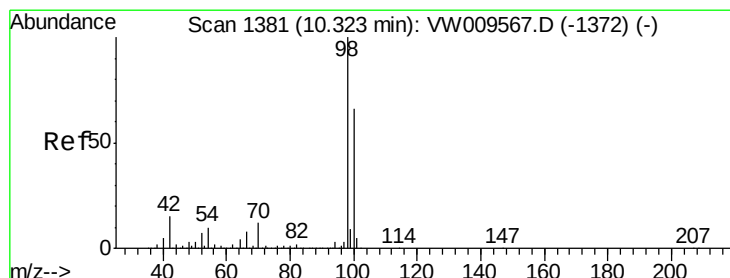
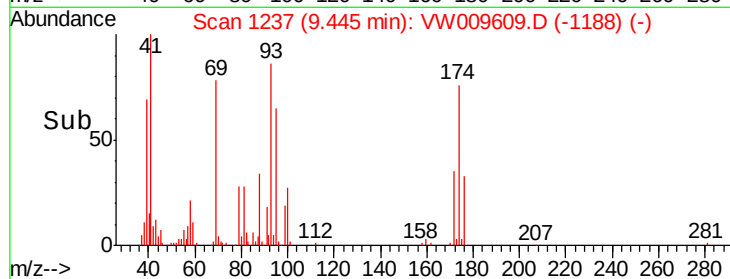
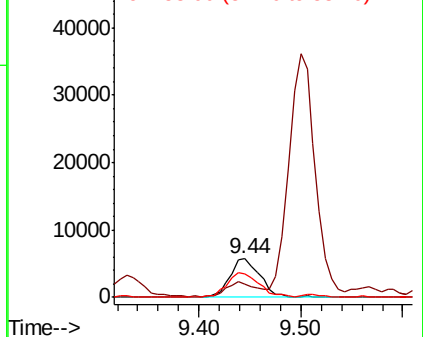
#49
1,4-Dioxane
Concen: 442.685 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 11810
Ion Ratio Lower Upper
88 100
43 35.2 29.7 44.5
58 68.5 58.1 87.1

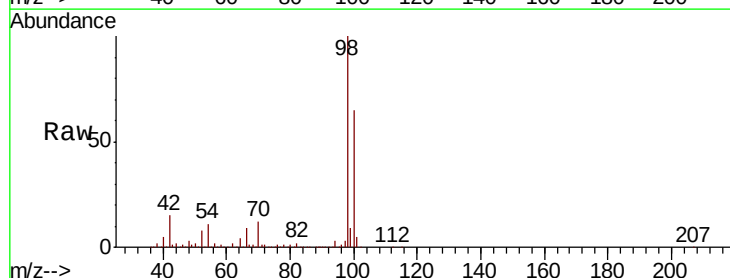


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

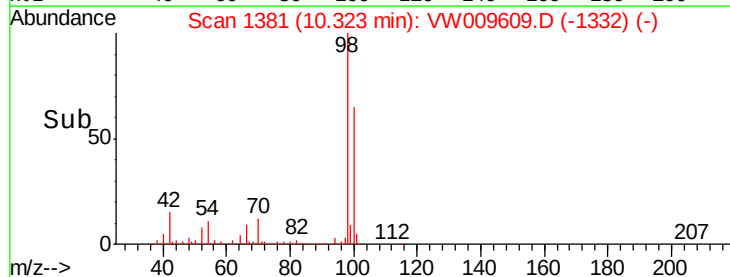
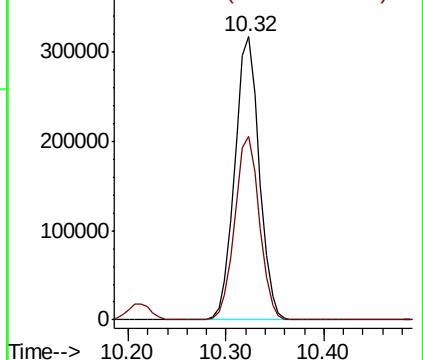


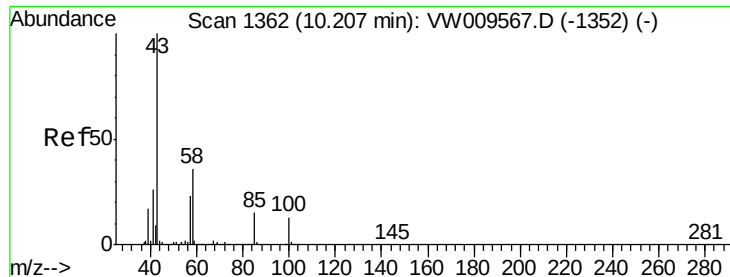
#50
Toluene-d8
Concen: 51.496 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 98 Resp: 551283
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0



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: 101.621 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

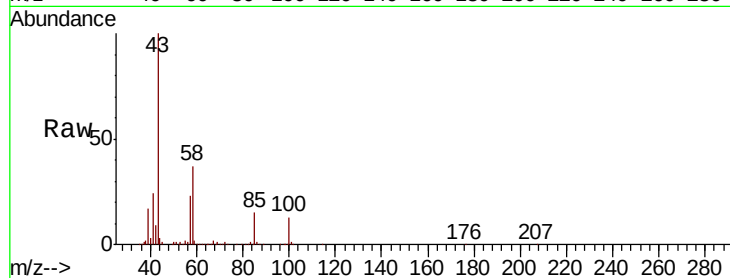
ClientSampled :

Tot Ion: 43 Resp: 241465

Ion Ratio Lower Upper

43 100

58 35.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

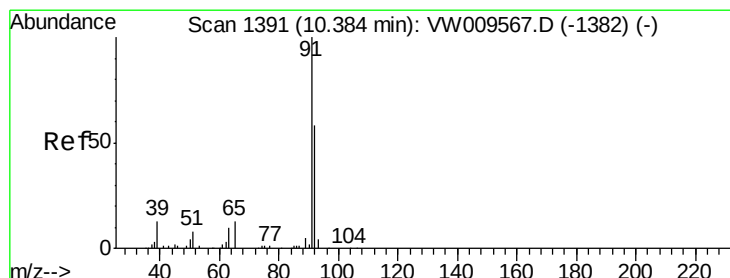
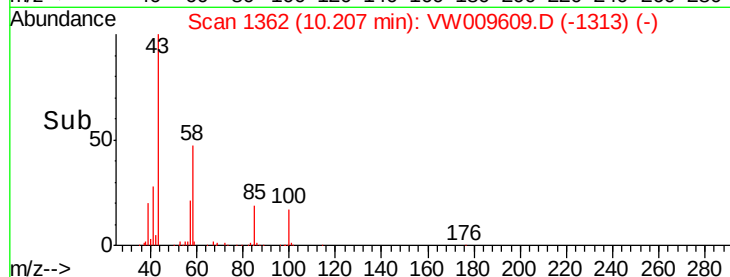
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.868 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009609.D

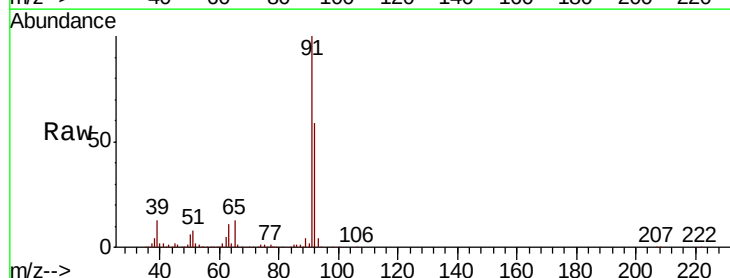
Acq: 31 Mar 2019 14:31

Tgt Ion: 92 Resp: 160749

Ion Ratio Lower Upper

92 100

91 170.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

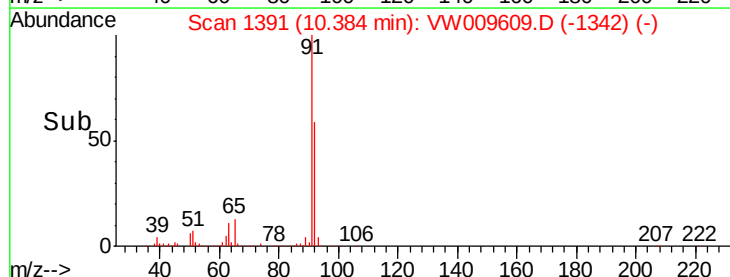
150000

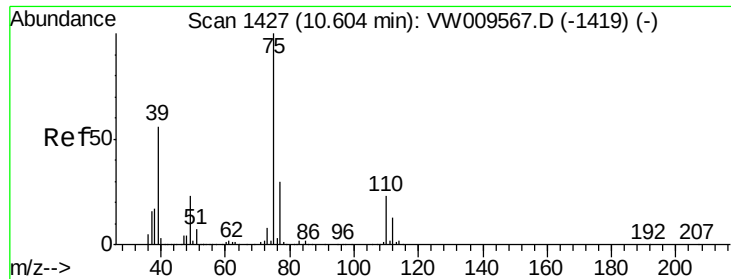
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.279 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

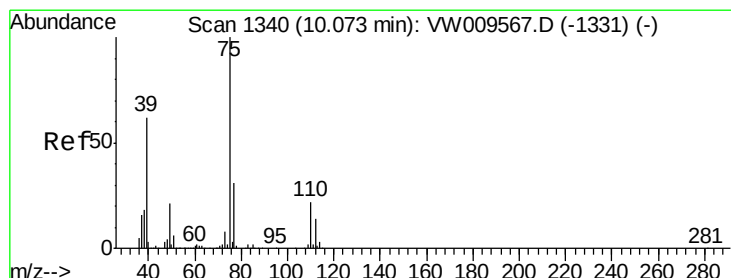
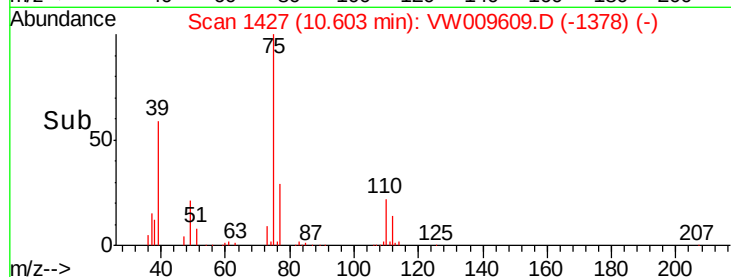
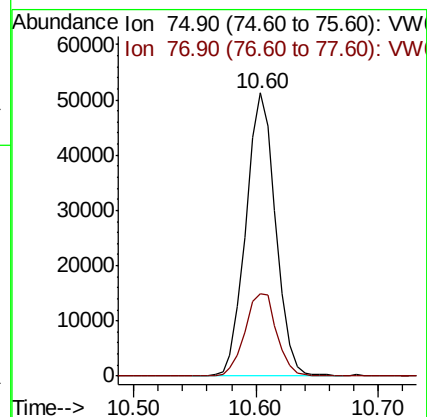
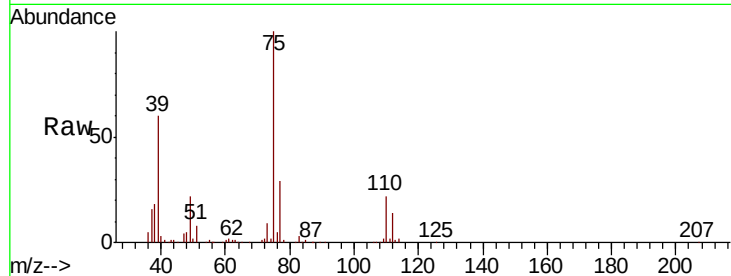
ClientSampled :

Tot Ion: 75 Resp: 86264

Ion Ratio Lower Upper

75 100

77 29.3 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.307 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

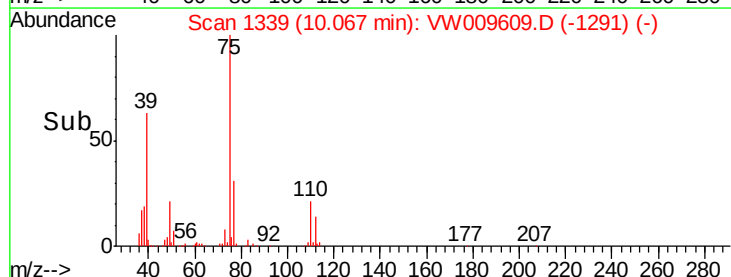
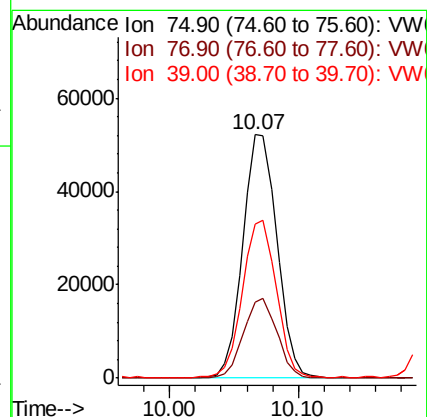
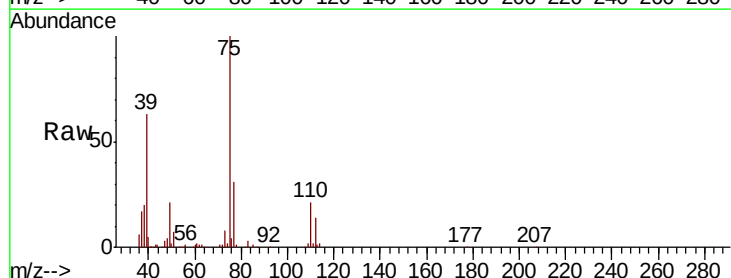
Tgt Ion: 75 Resp: 95783

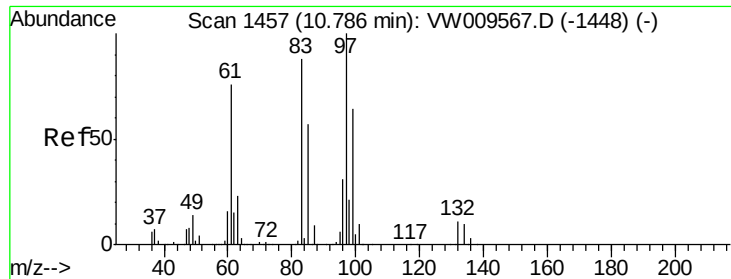
Ion Ratio Lower Upper

75 100

77 31.2 25.9 38.9

39 62.9 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 19.953 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 48316

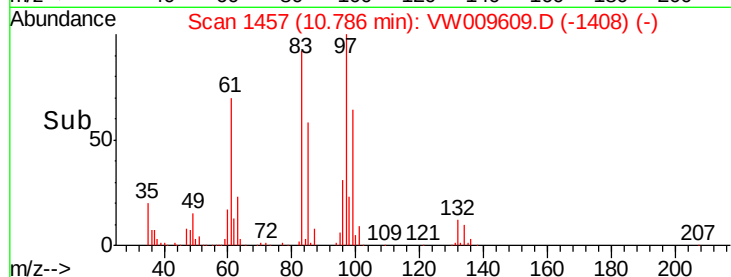
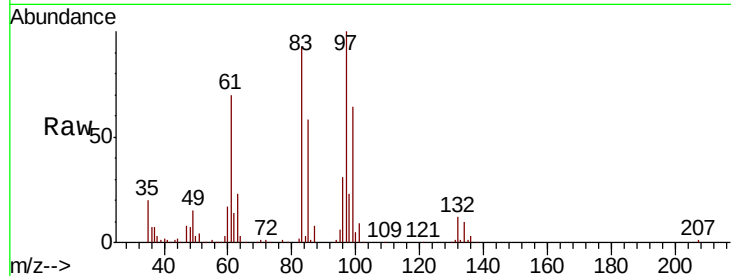
Ion	Ratio	Lower	Upper
97	100		
83	92.7	66.3	99.5
85	58.2	41.4	62.2
99	63.8	48.7	73.1

97 100

83 92.7 66.3 99.5

85 58.2 41.4 62.2

99 63.8 48.7 73.1



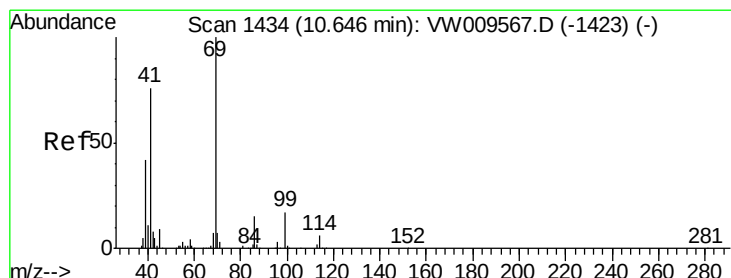
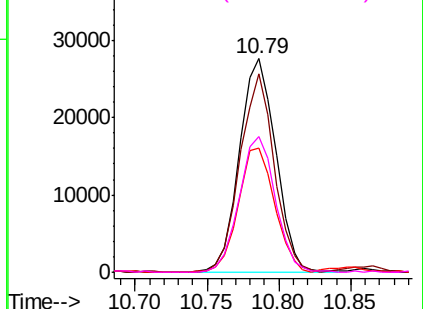
Abundance

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: 19.608 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

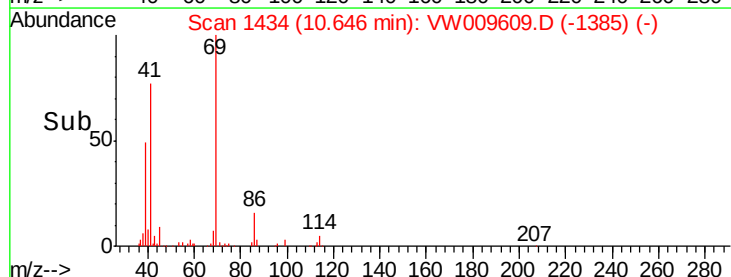
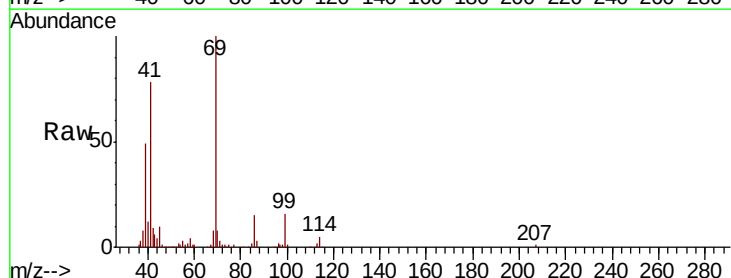
Tgt Ion: 69 Resp: 57385

Ion	Ratio	Lower	Upper
69	100		
41	78.4	59.3	88.9
39	46.4	36.2	54.2

69 100

41 78.4 59.3 88.9

39 46.4 36.2 54.2

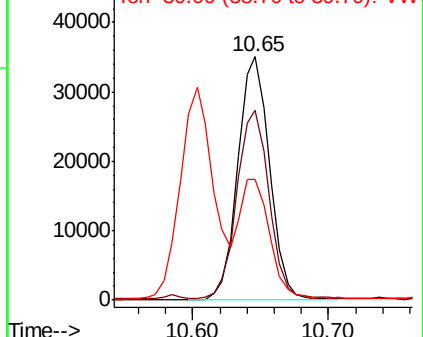


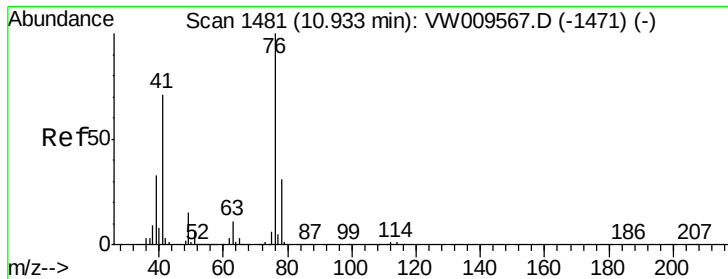
Abundance

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

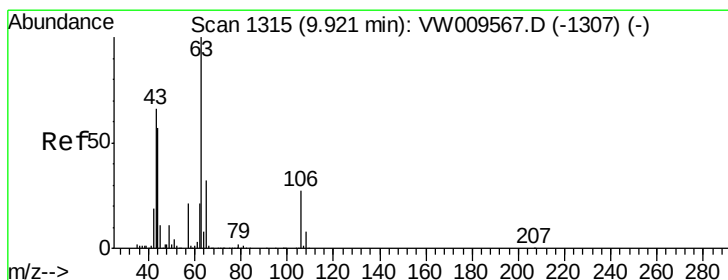
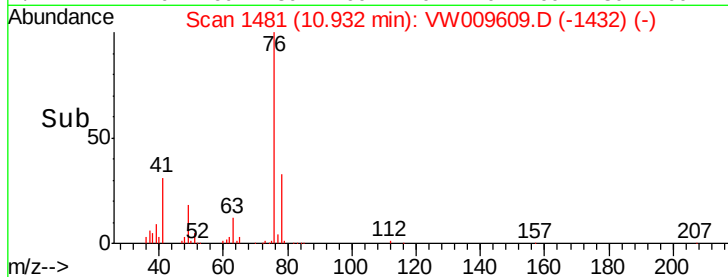
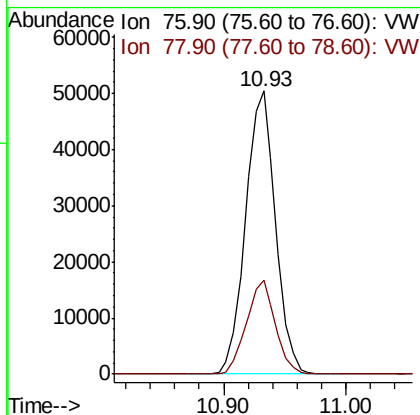
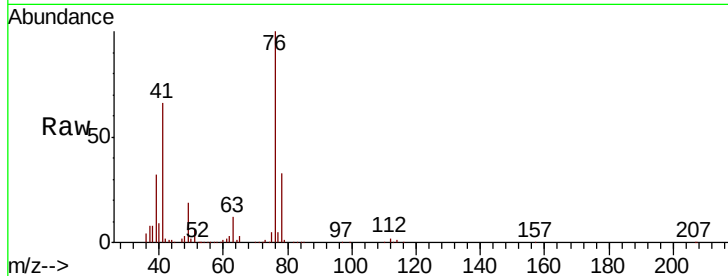




#57
 1,3-Dichloropropane
 Concen: 19.909 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

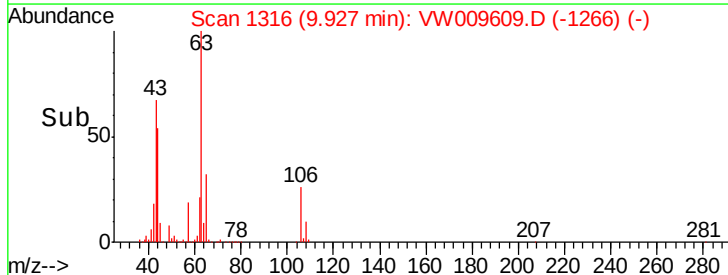
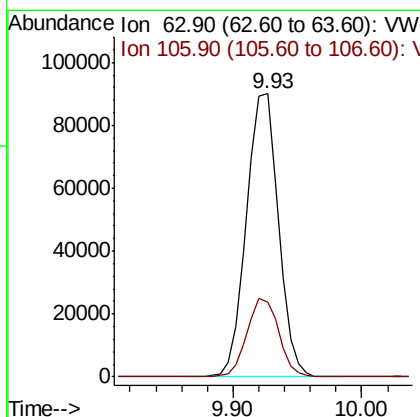
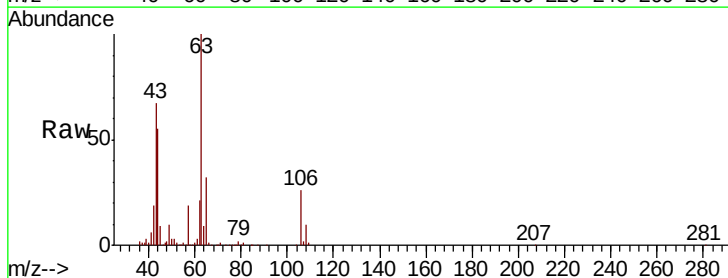
Instrument :
 MSVOA_W
 ClientSampleId :

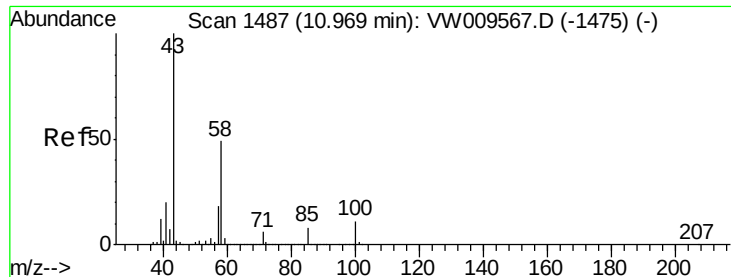
Tot Ion: 76 Resp: 85455
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.121 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion: 63 Resp: 154507
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.9 34.3

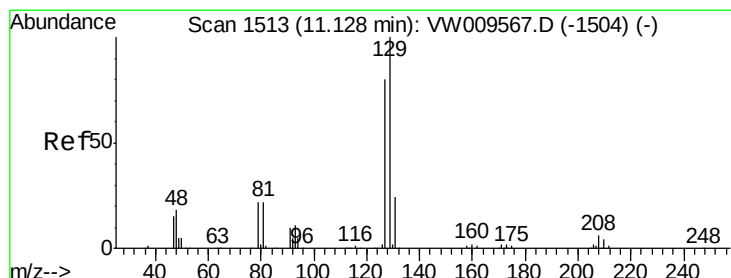
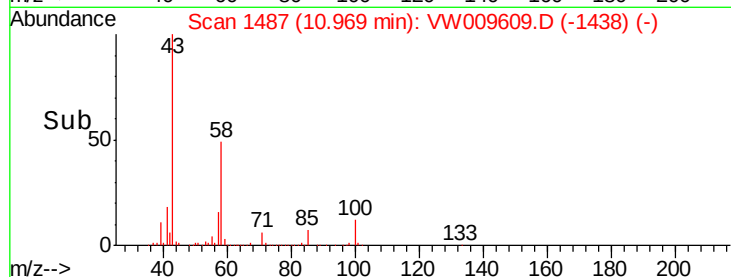
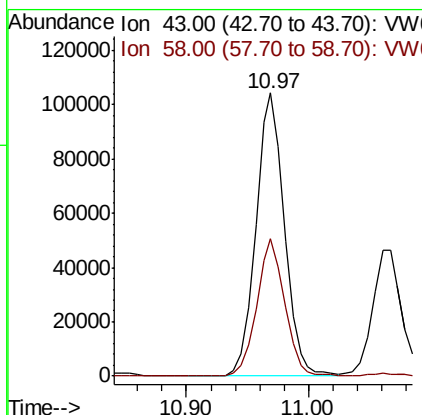
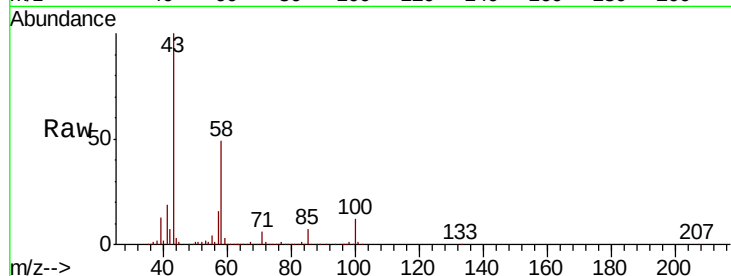




#59
2-Hexanone
Concen: 102.374 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

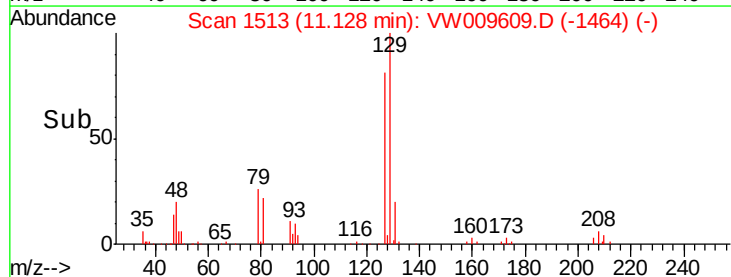
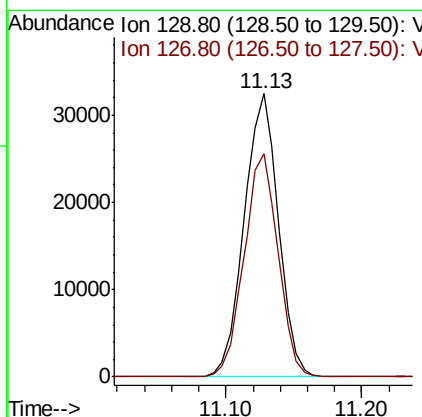
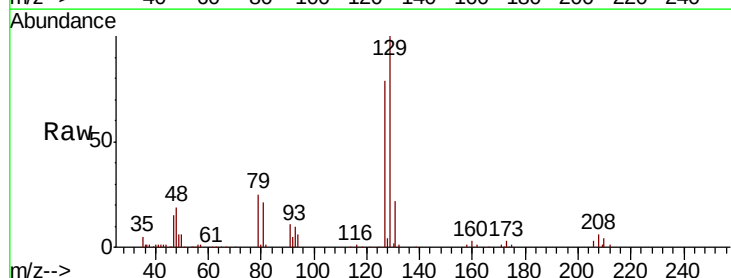
Instrument :
MSVOA_W
ClientSampled :

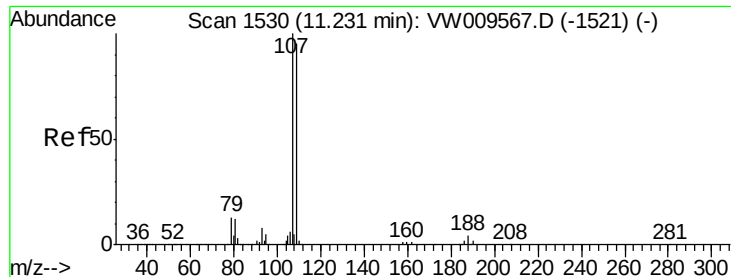
Tot Ion: 43 Resp: 168350
Ion Ratio Lower Upper
43 100
58 47.8 24.2 72.6



#60
Dibromochloromethane
Concen: 19.552 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion:129 Resp: 57166
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.375 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

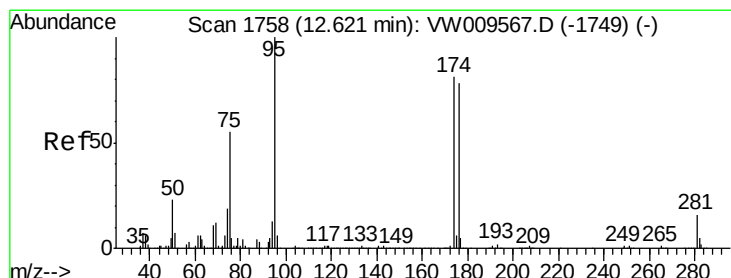
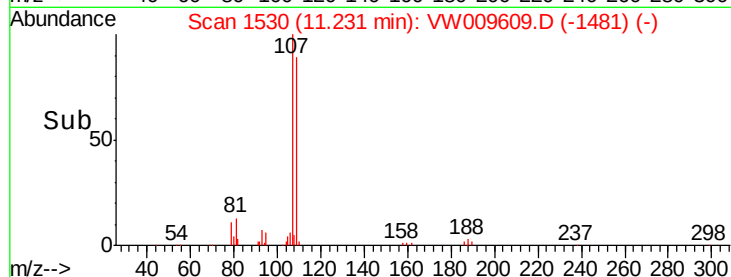
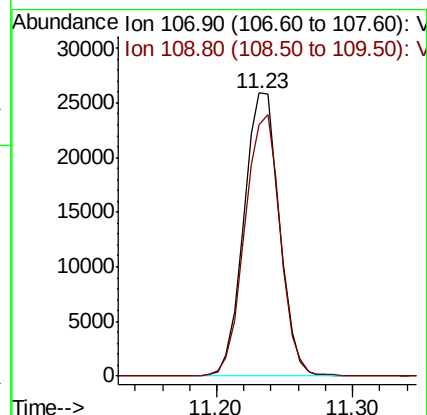
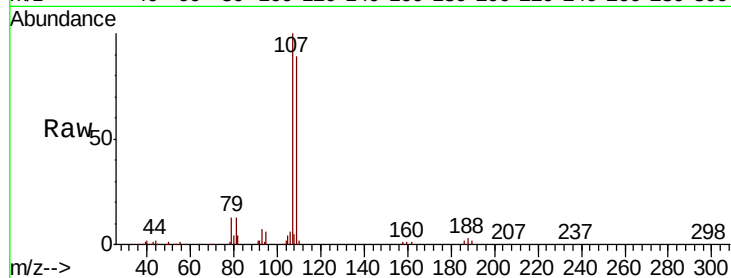
ClientSampled :

Tot Ion:107 Resp: 47312

Ion Ratio Lower Upper

107 100

109 92.5 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 52.375 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

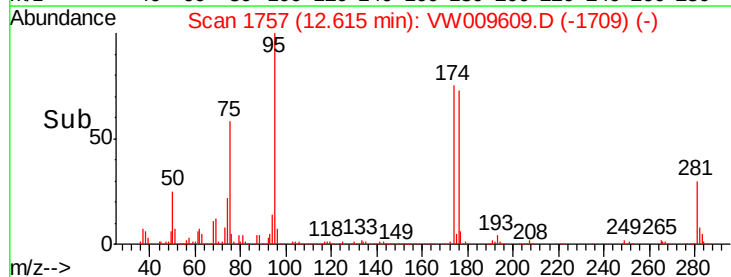
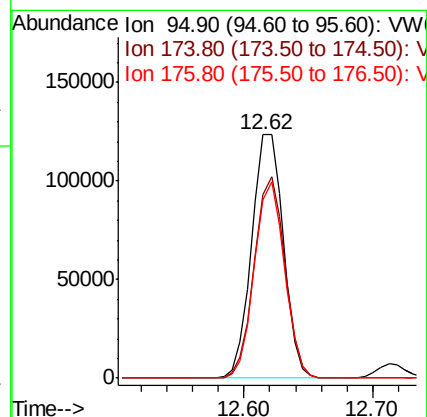
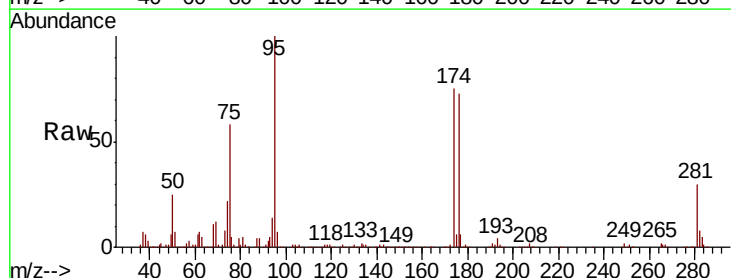
Tgt Ion: 95 Resp: 209169

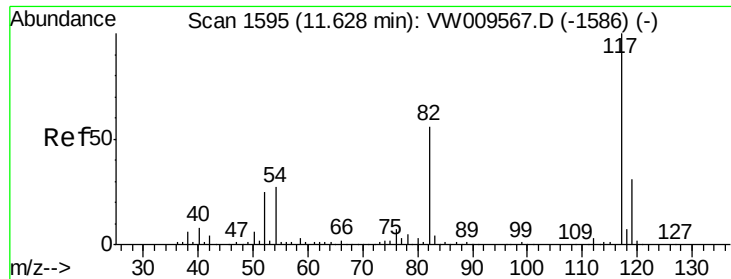
Ion Ratio Lower Upper

95 100

174 80.1 0.0 168.4

176 77.0 0.0 161.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

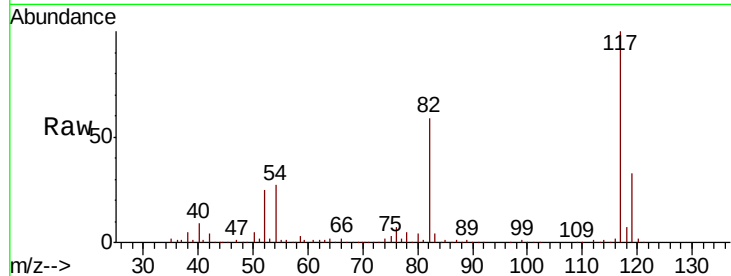
Tot Ion:117 Resp: 424441

Ion Ratio Lower Upper

117 100

82 58.9 43.6 65.4

119 32.7 26.0 39.0

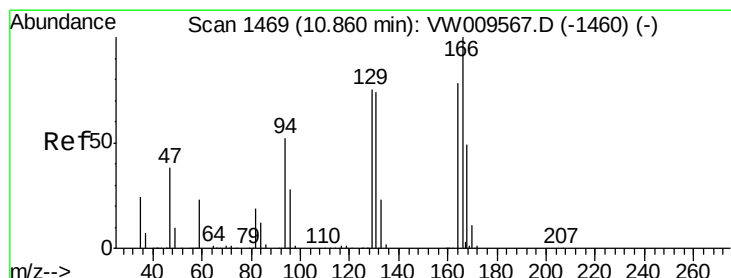
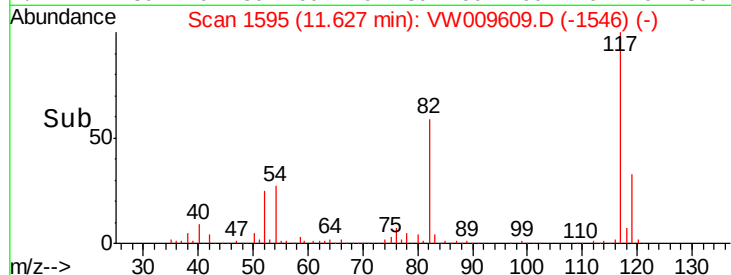
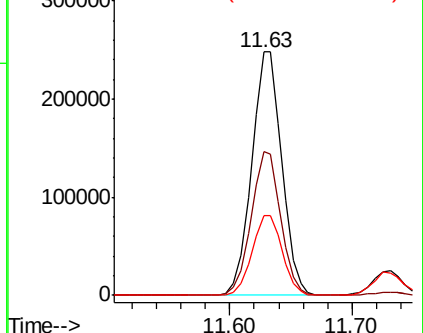


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.633 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:164 Resp: 56579

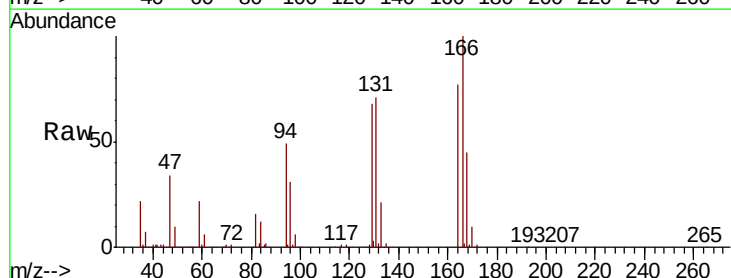
Ion Ratio Lower Upper

164 100

166 129.8 100.9 151.3

129 88.5 72.0 108.0

131 91.8 69.8 104.6



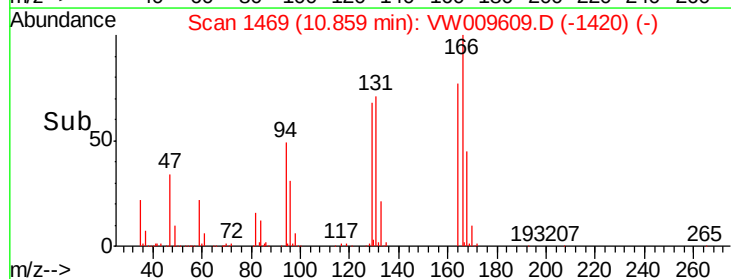
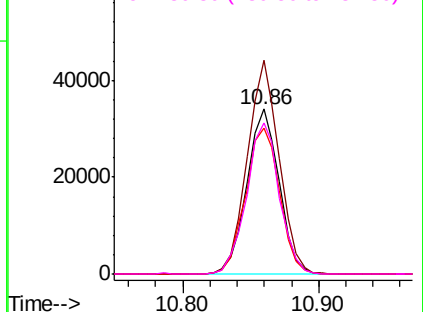
Abundance

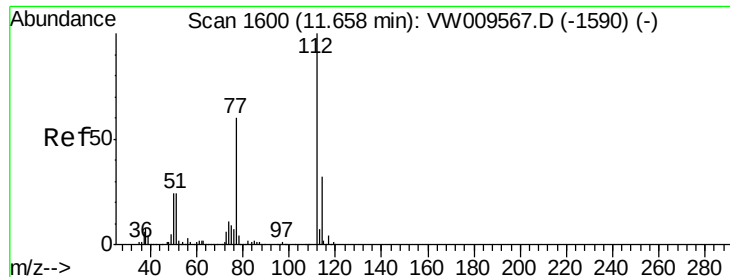
Ion 163.80 (163.50 to 164.50): V

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

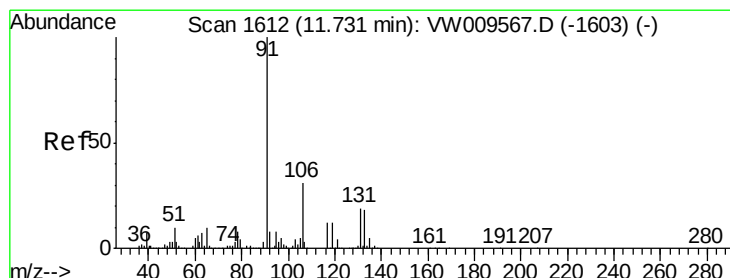
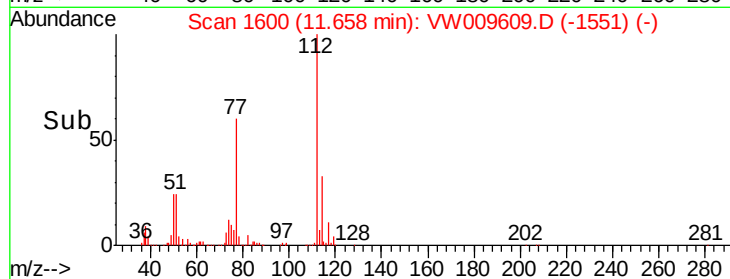
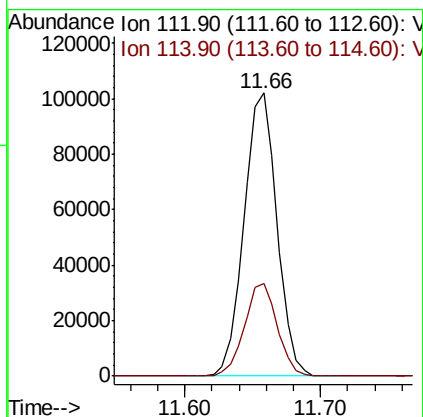
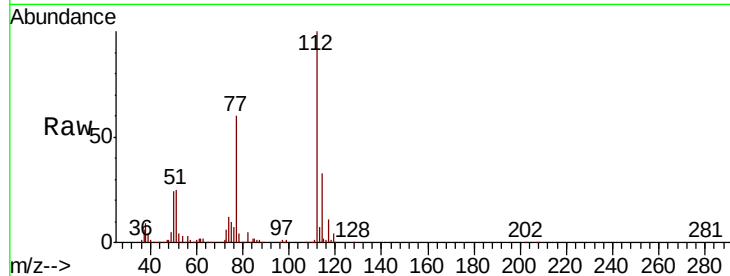




#65
Chlorobenzene
Concen: 19.339 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

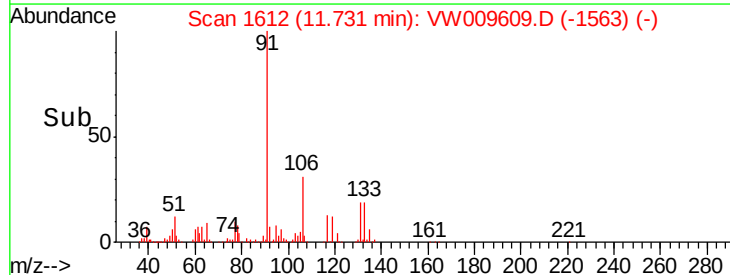
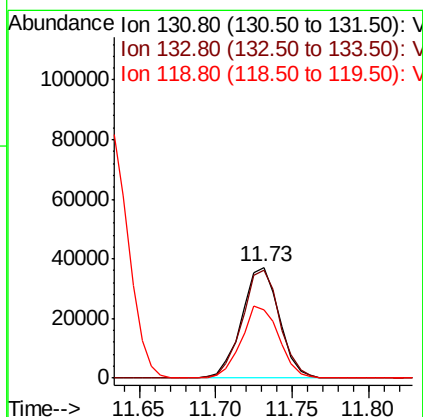
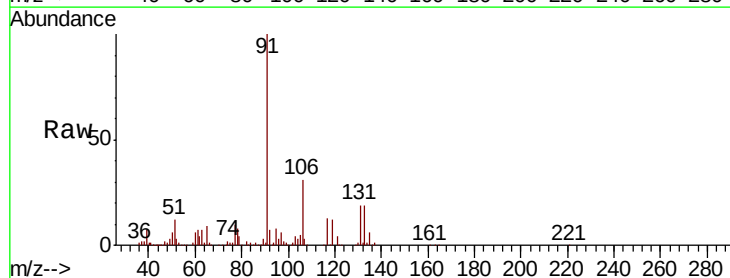
Instrument :
MSVOA_W
ClientSampled :

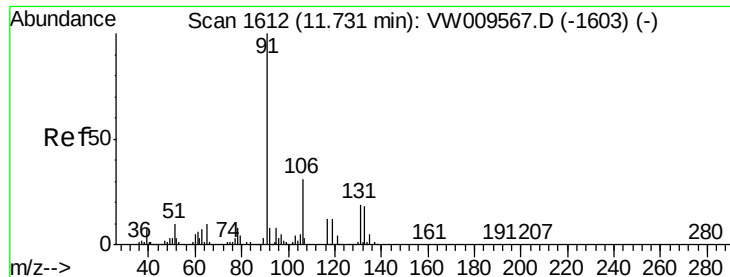
Tot Ion:112 Resp: 172880
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.453 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion:131 Resp: 63360
Ion Ratio Lower Upper
131 100
133 97.3 47.3 141.8
119 64.9 31.6 95.0

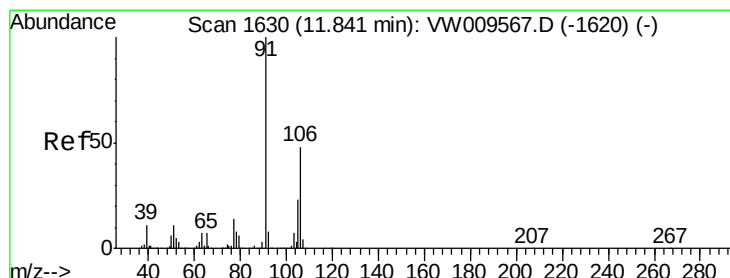
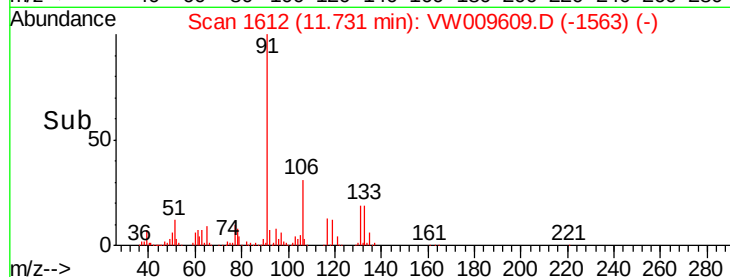
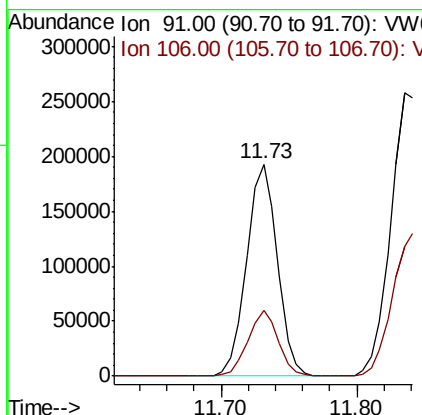
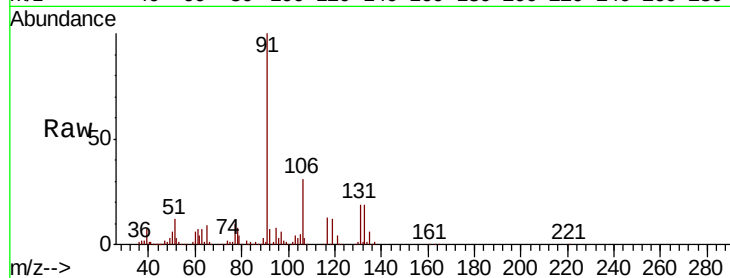




#67
Ethyl Benzene
Concen: 19.368 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

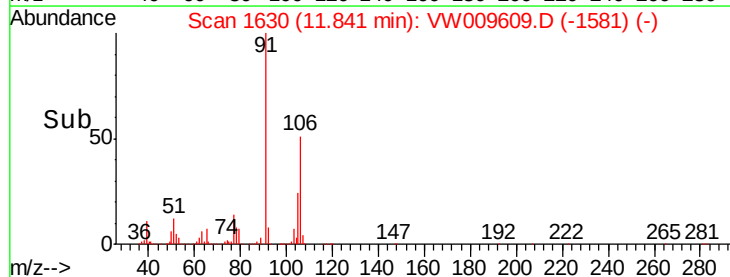
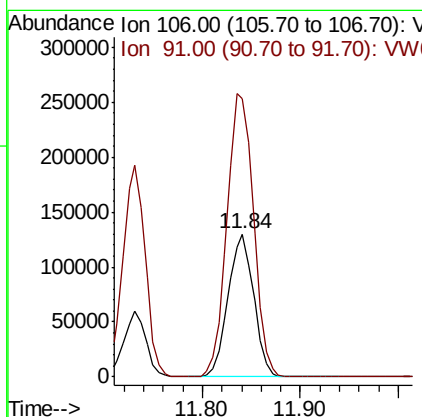
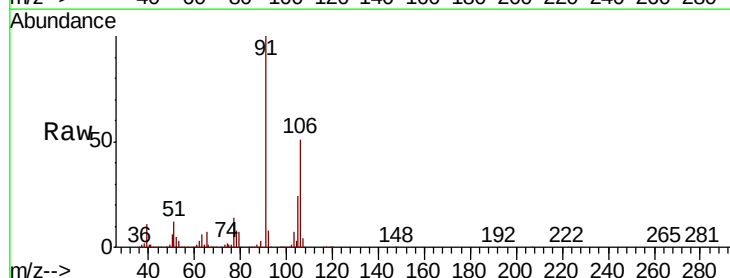
Instrument :
MSVOA_W
ClientSampled :

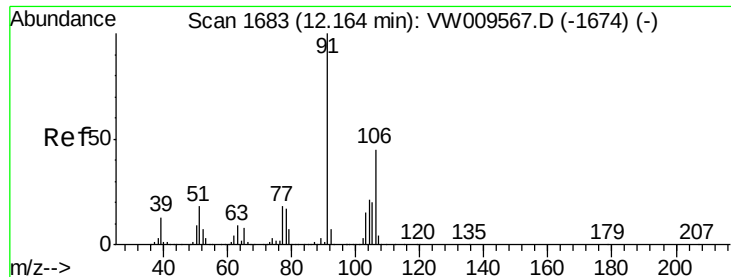
Tot Ion: 91 Resp: 305034
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8



#68
m/p-Xylenes
Concen: 39.383 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 106 Resp: 235517
Ion Ratio Lower Upper
106 100
91 206.4 163.1 244.7

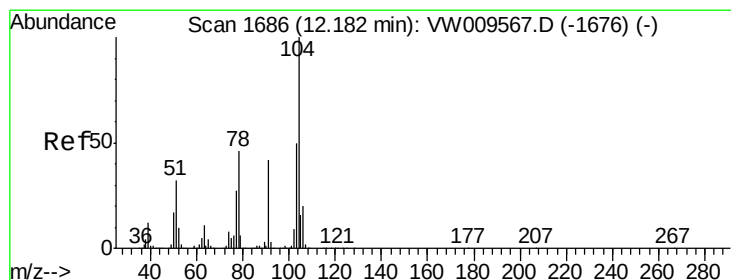
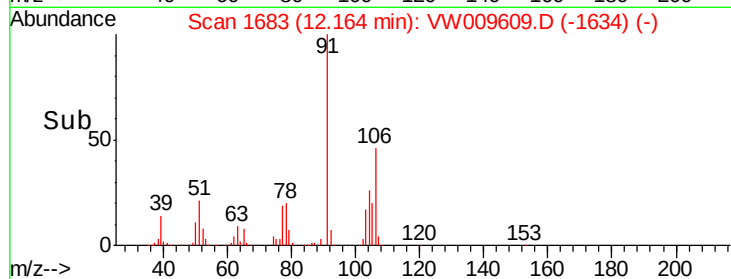
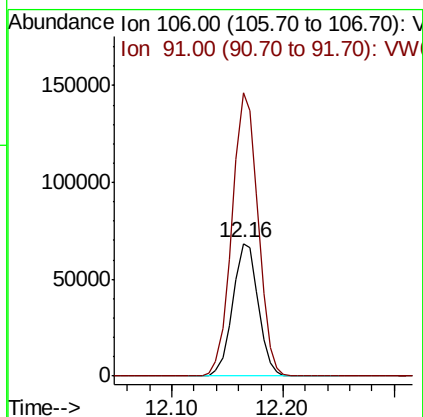
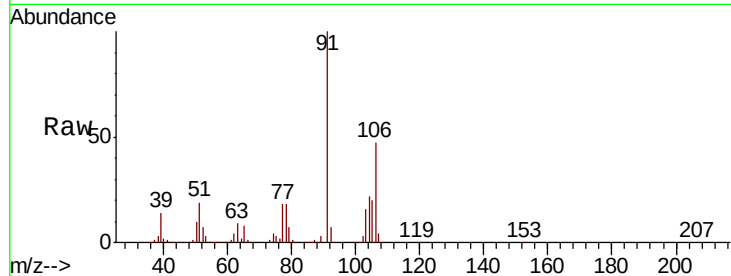




#69
o-Xylene
Concen: 19.500 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

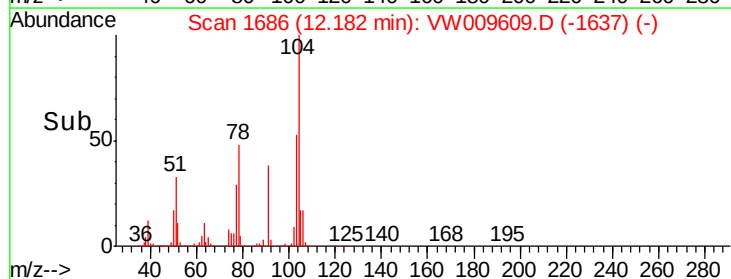
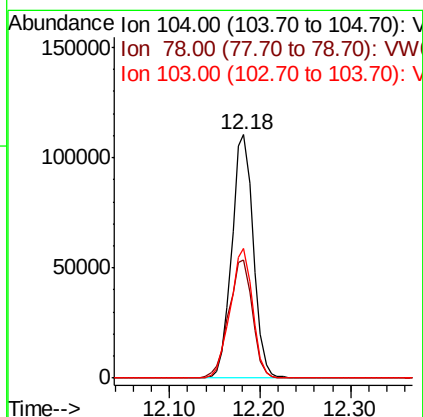
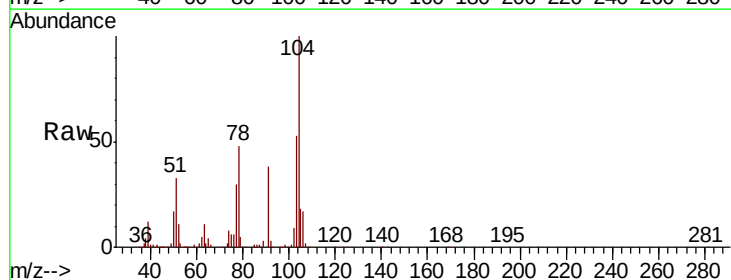
Instrument :
MSVOA_W
ClientSampled :

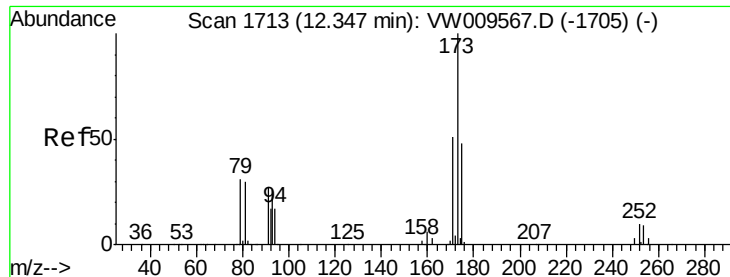
Tot Ion:106 Resp: 108596
Ion Ratio Lower Upper
106 100
91 217.7 108.6 325.8



#70
Styrene
Concen: 19.545 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion:104 Resp: 181808
Ion Ratio Lower Upper
104 100
78 53.4 42.2 63.4
103 55.6 44.6 66.8





#71

Bromoform

Concen: 19.358 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

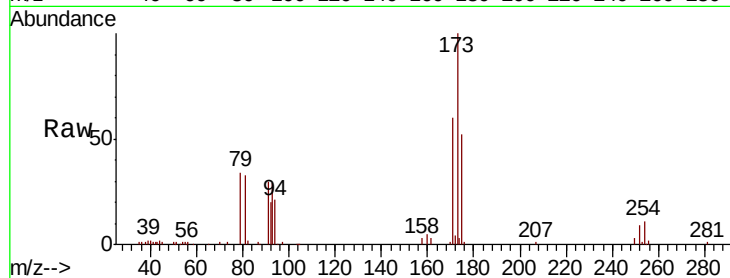
Tot Ion:173 Resp: 33931

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.4

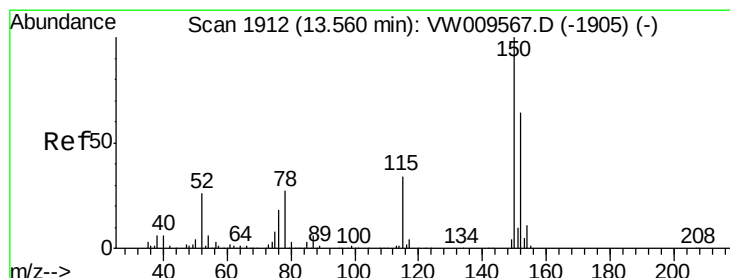
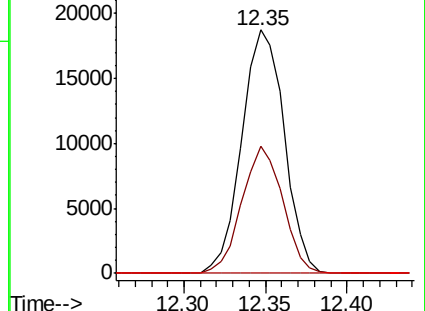
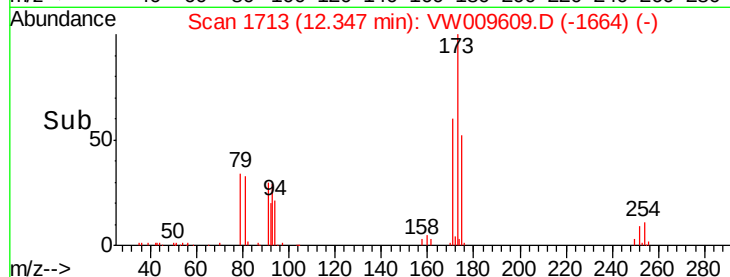
254 0.1 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

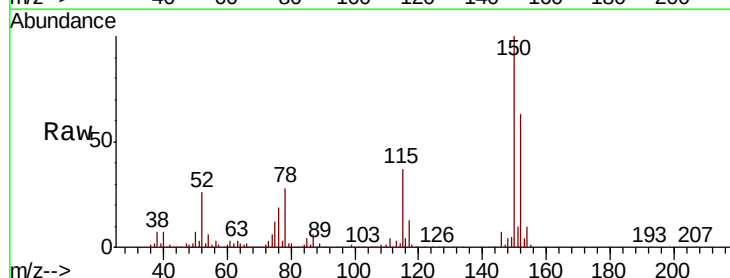
Tgt Ion:152 Resp: 236030

Ion Ratio Lower Upper

152 100

115 58.8 29.6 88.8

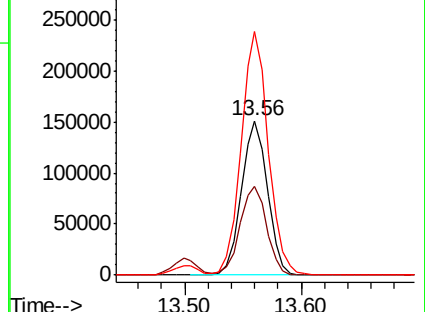
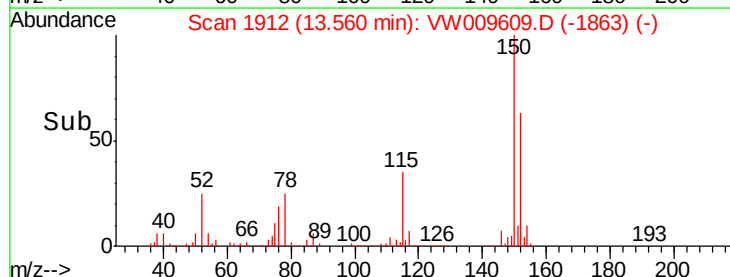
150 163.2 0.0 349.2

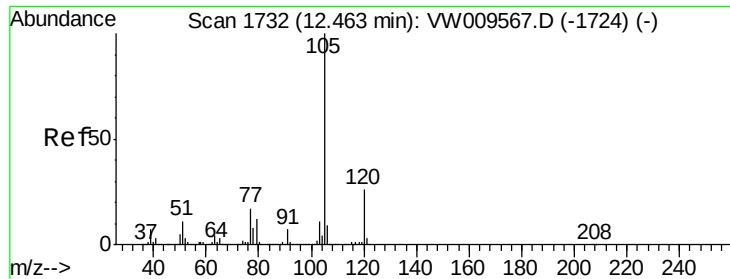


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.755 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

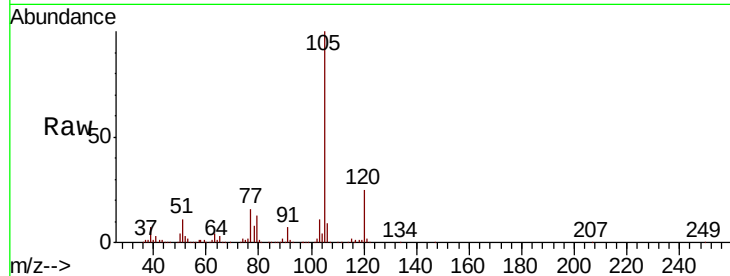
ClientSampleId :

Tot Ion:105 Resp: 308068

Ion Ratio Lower Upper

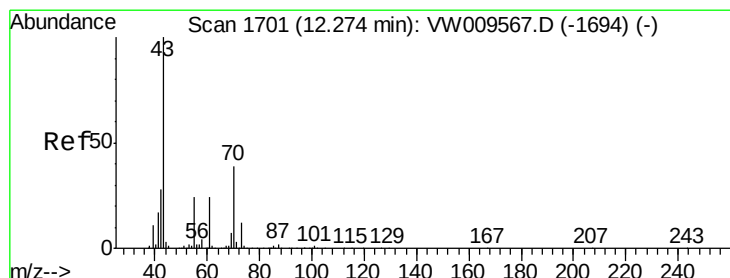
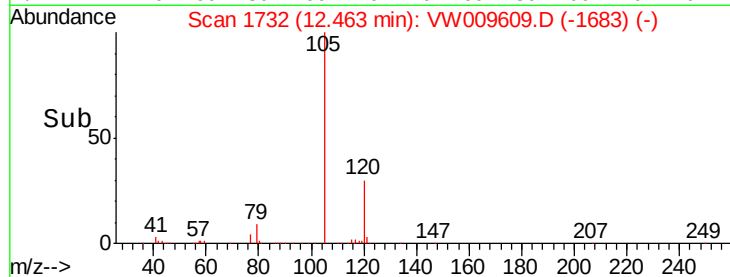
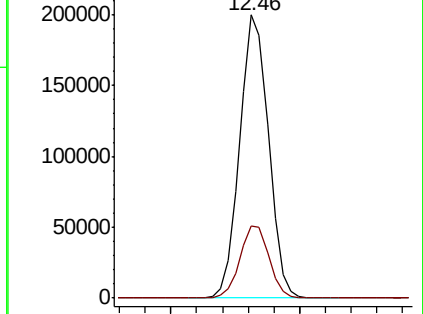
105 100

120 25.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.941 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion: 43 Resp: 86351

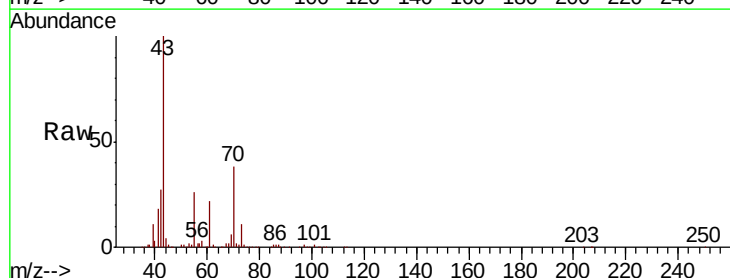
Ion Ratio Lower Upper

43 100

70 38.2 30.6 46.0

55 25.6 19.3 28.9

61 21.5 17.0 25.4

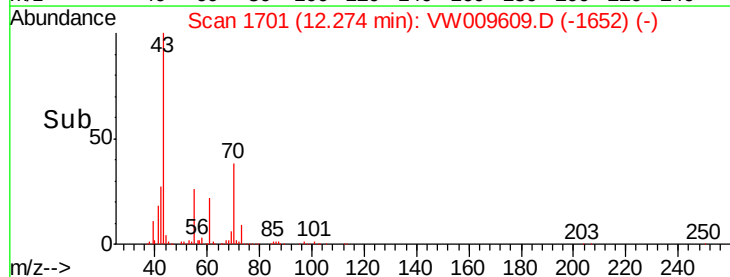
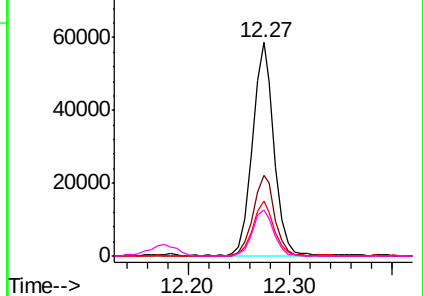


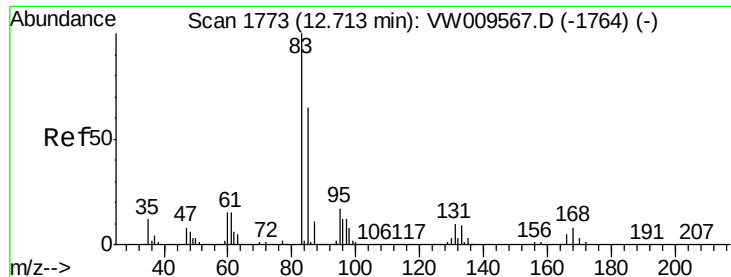
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 19.826 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

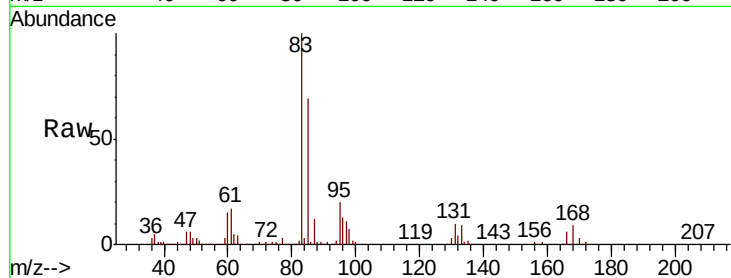
Tot Ion: 83 Resp: 61586

Ion Ratio Lower Upper

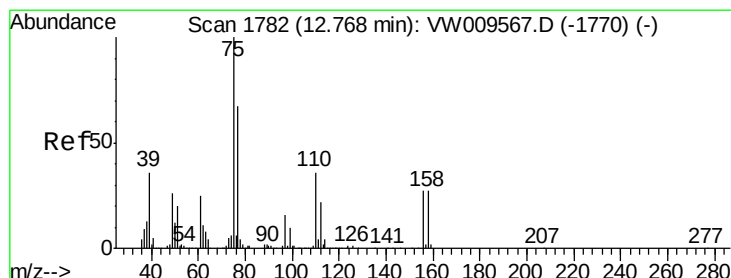
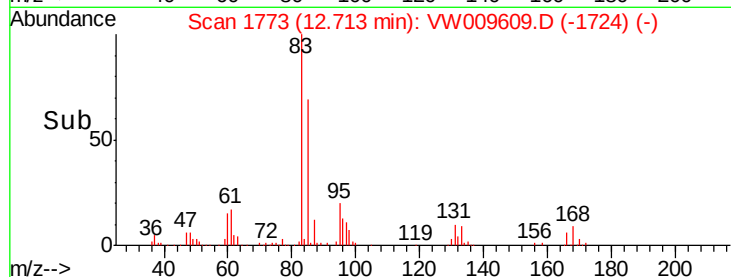
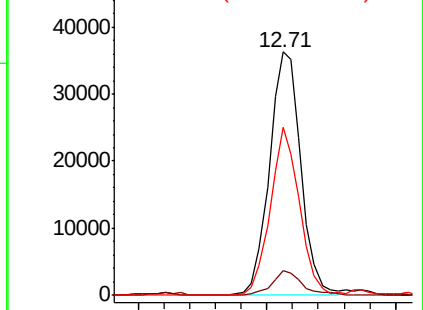
83 100

131 9.8 5.3 16.1

85 64.2 32.6 97.8



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: 37.235 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009609.D

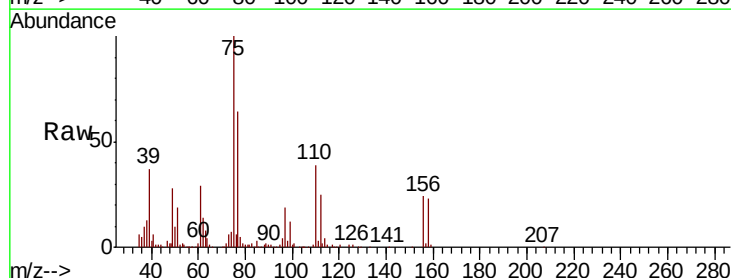
Acq: 31 Mar 2019 14:31

Tgt Ion: 75 Resp: 82647

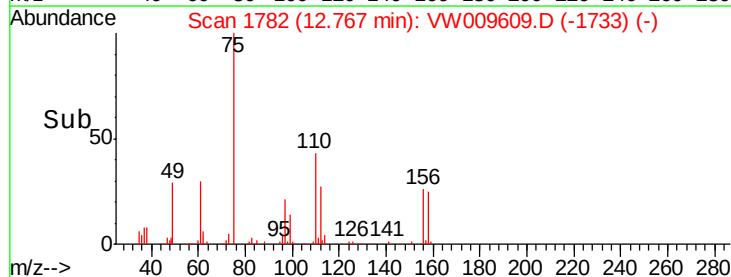
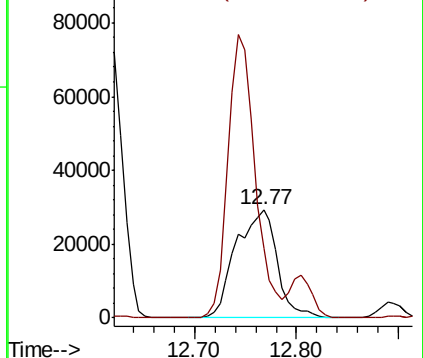
Ion Ratio Lower Upper

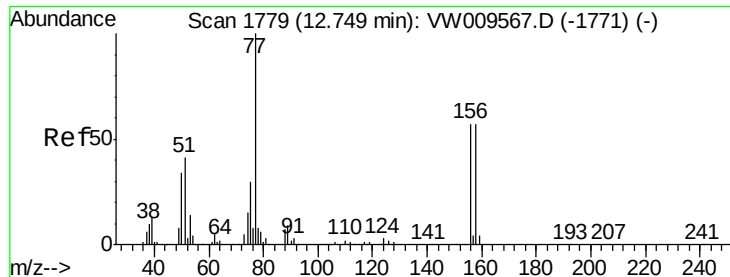
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.140 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

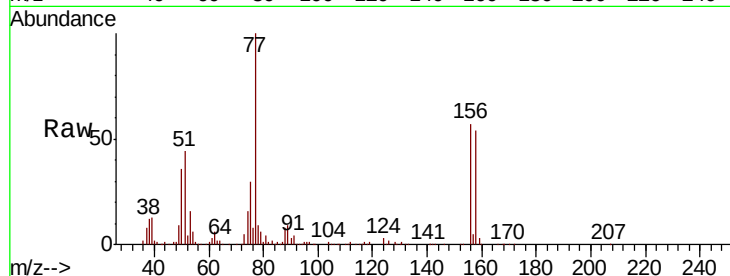
Tot Ion:156 Resp: 72400

Ion Ratio Lower Upper

156 100

77 196.5 96.0 288.0

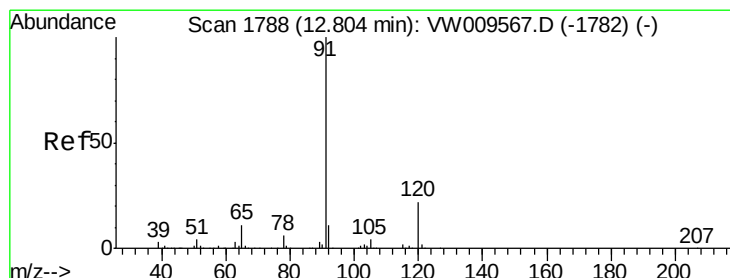
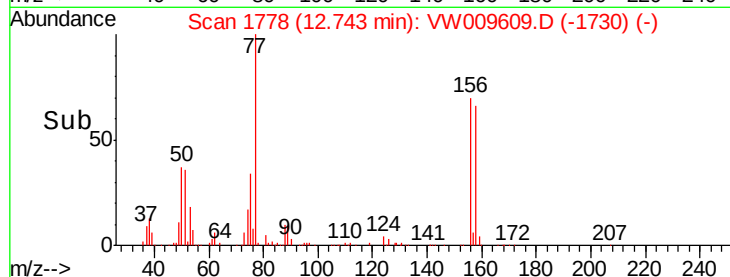
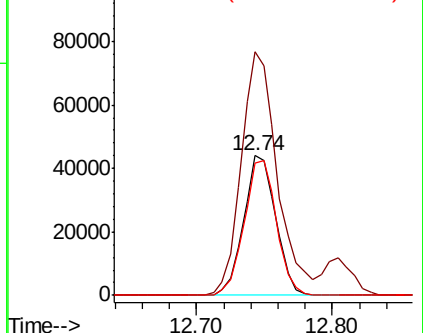
158 97.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.294 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009609.D

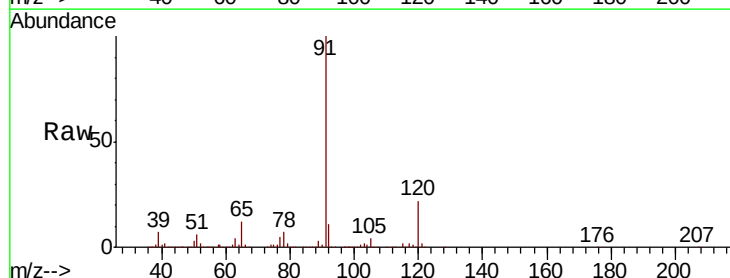
Acq: 31 Mar 2019 14:31

Tgt Ion: 91 Resp: 390789

Ion Ratio Lower Upper

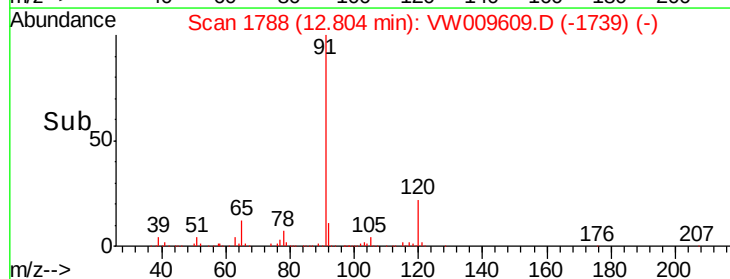
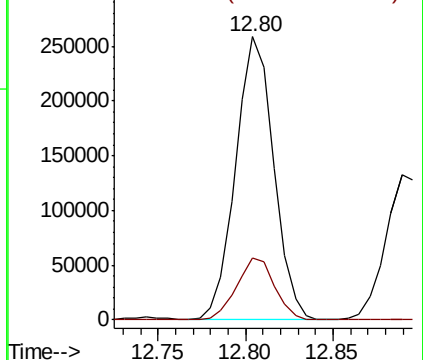
91 100

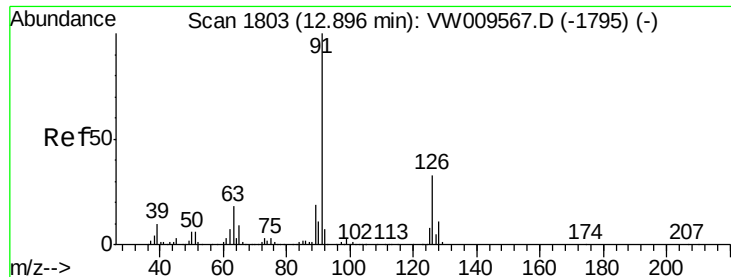
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.982 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

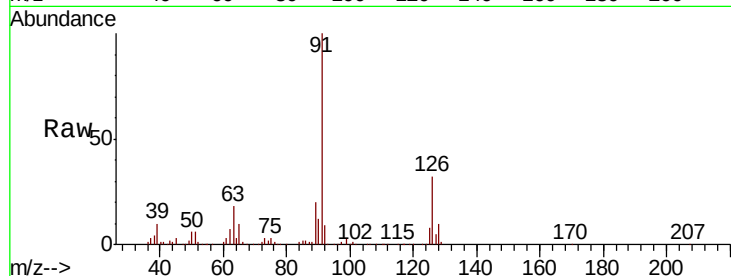
ClientSampleId :

Tot Ion: 91 Resp: 218498

Ion Ratio Lower Upper

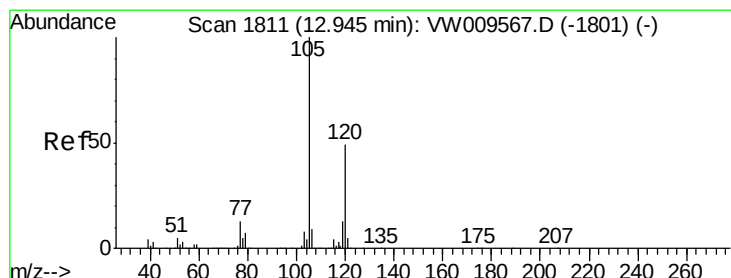
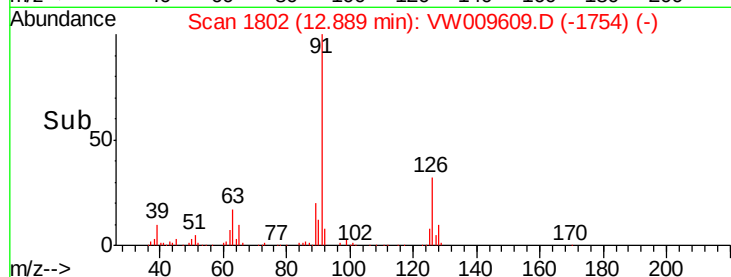
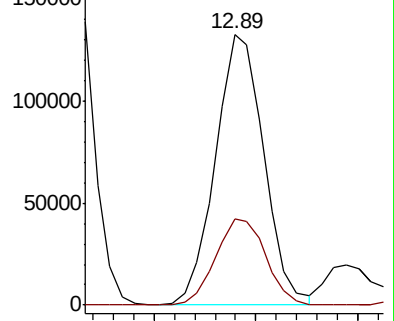
91 100

126 33.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.431 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009609.D

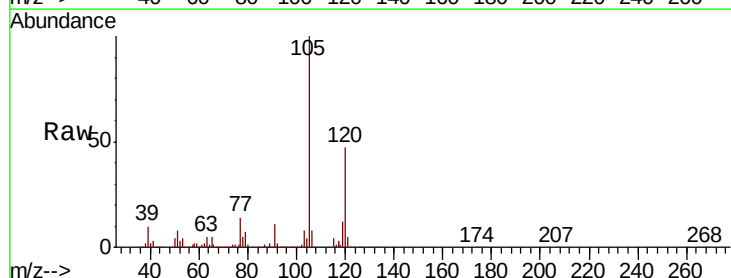
Acq: 31 Mar 2019 14:31

Tgt Ion:105 Resp: 268796

Ion Ratio Lower Upper

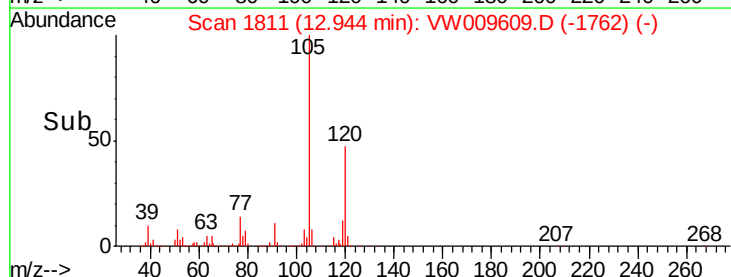
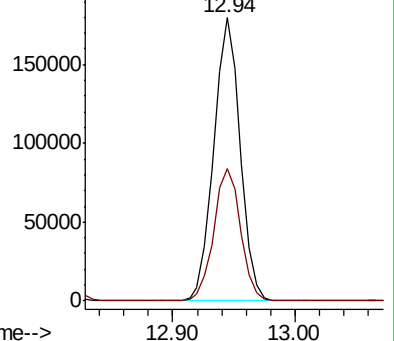
105 100

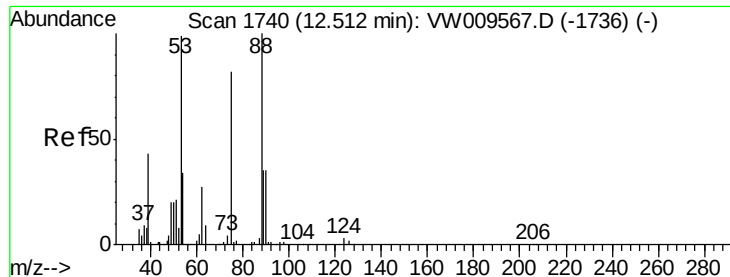
120 47.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

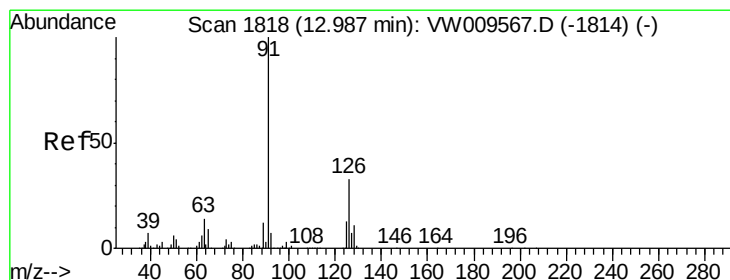
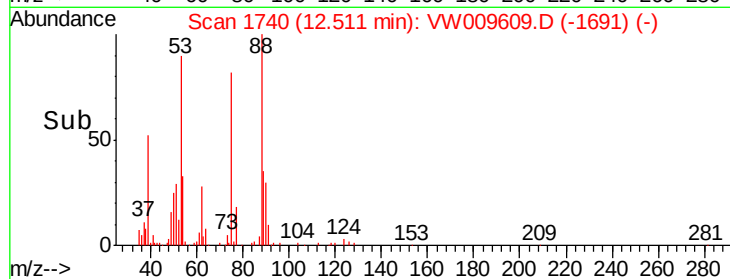
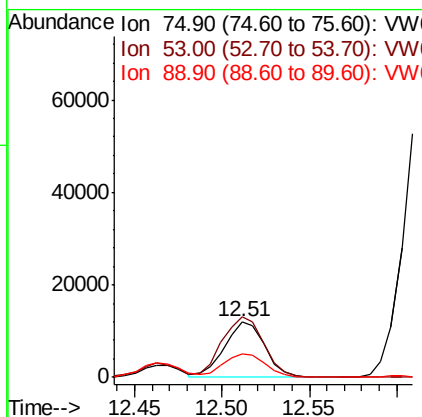
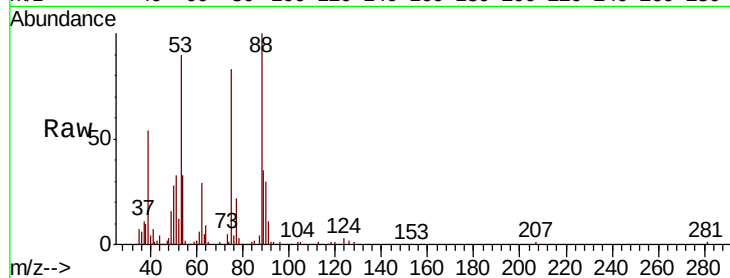




#81
trans-1,4-Dichloro-2-butene
Concen: 19.731 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

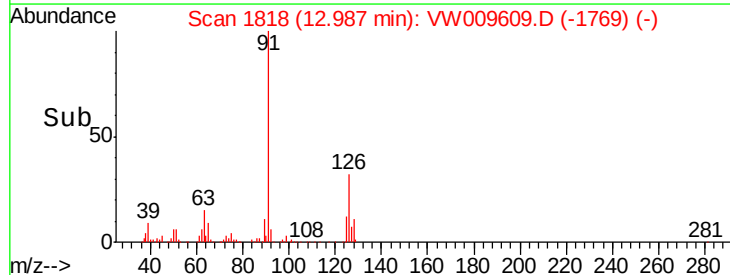
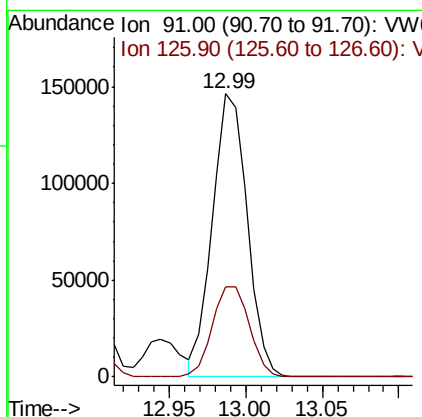
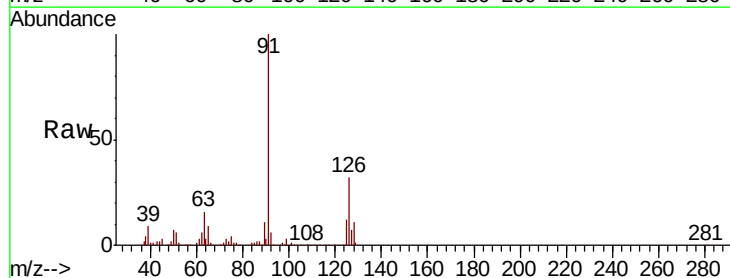
Instrument :
MSVOA_W
ClientSampleId :

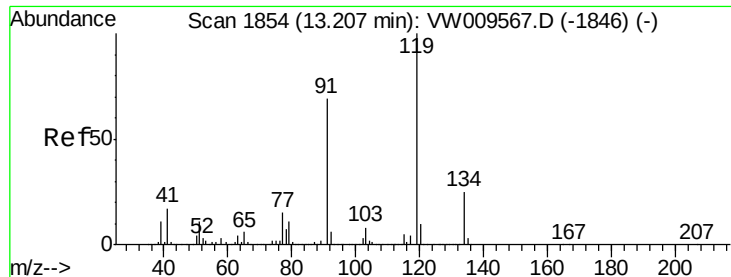
Tot Ion: 75 Resp: 18833
Ion Ratio Lower Upper
75 100
53 116.7 86.7 130.1
89 45.0 36.4 54.6



#82
4-Chlorotoluene
Concen: 19.113 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 91 Resp: 231537
Ion Ratio Lower Upper
91 100
126 34.2 16.9 50.6

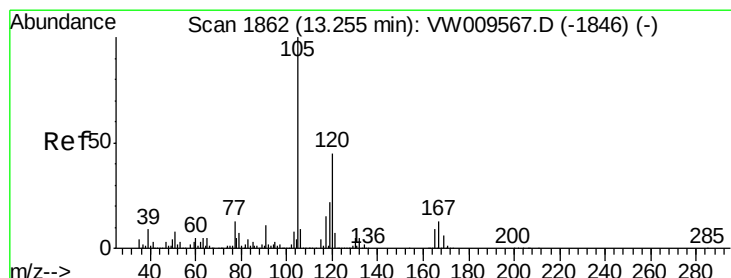
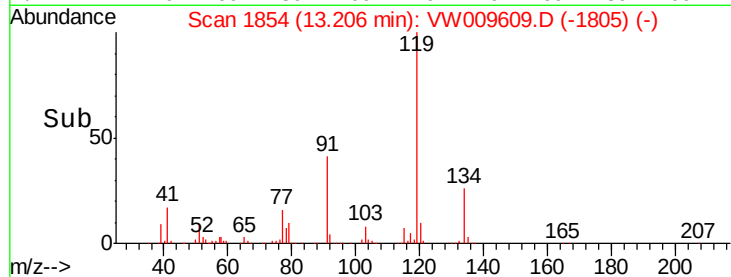
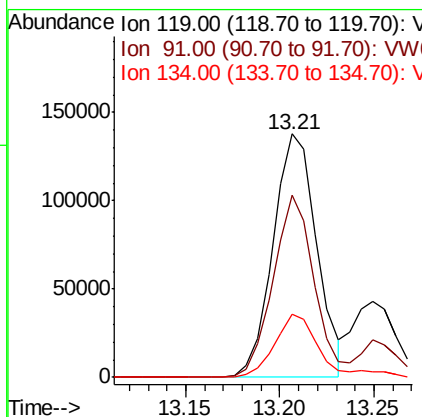
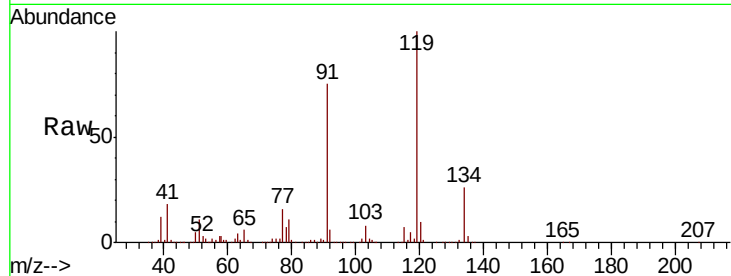




#83
 tert-Butylbenzene
 Concen: 18.804 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

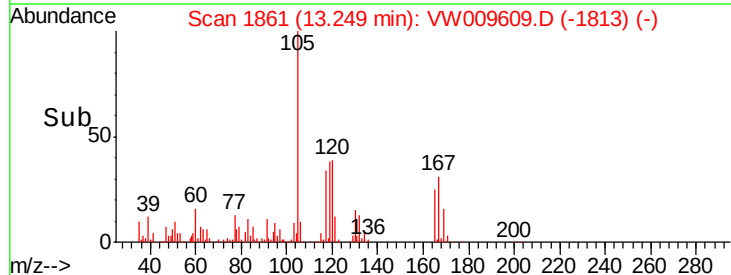
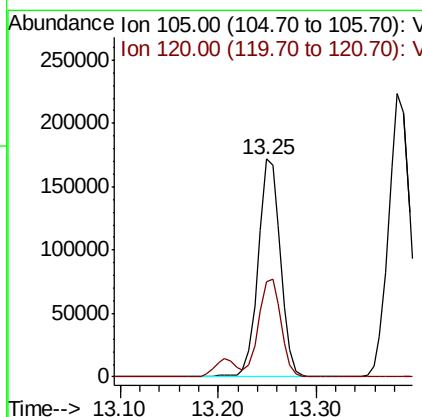
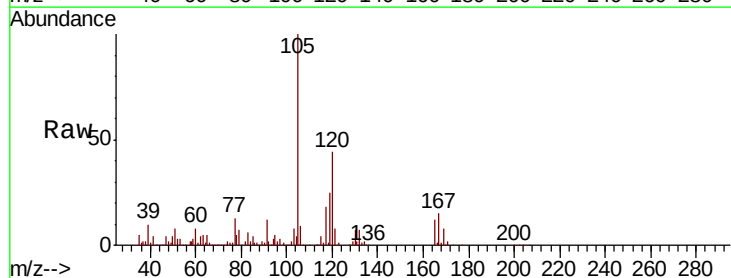
Instrument :
 MSVOA_W
 ClientSampled :

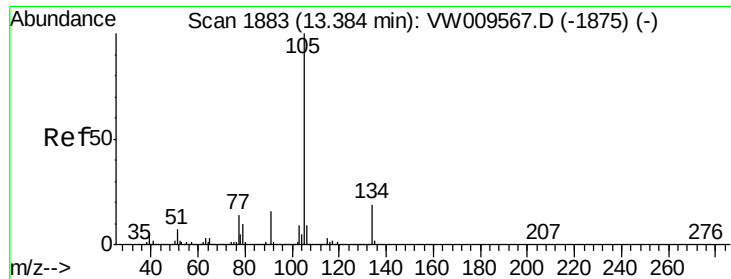
Tot Ion:119 Resp: 221425
 Ion Ratio Lower Upper
 119 100
 91 70.9 34.4 103.2
 134 27.0 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.208 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion:105 Resp: 273156
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.8 68.3





#85

sec-Butylbenzene

Concen: 19.156 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

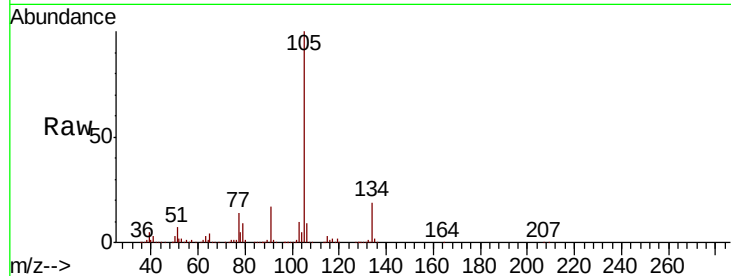
ClientSampled :

Tot Ion:105 Resp: 340306

Ion Ratio Lower Upper

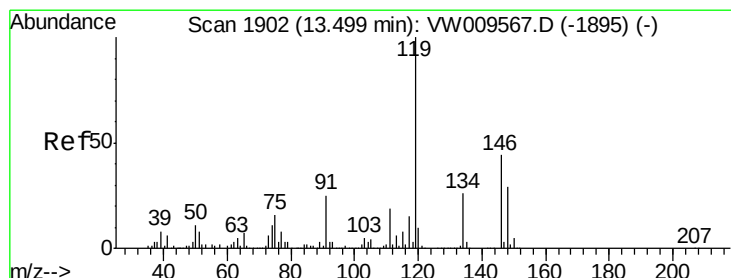
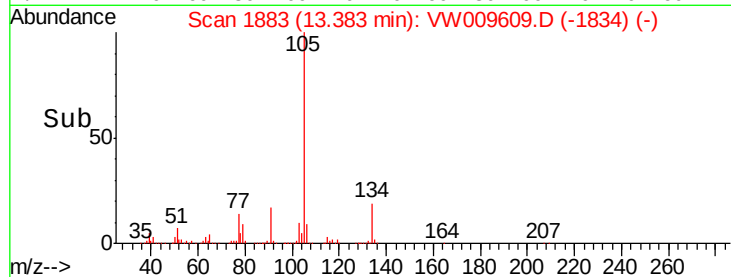
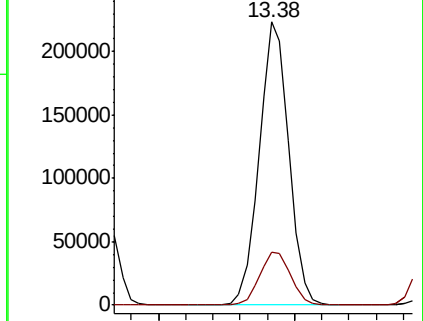
105 100

134 19.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.997 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

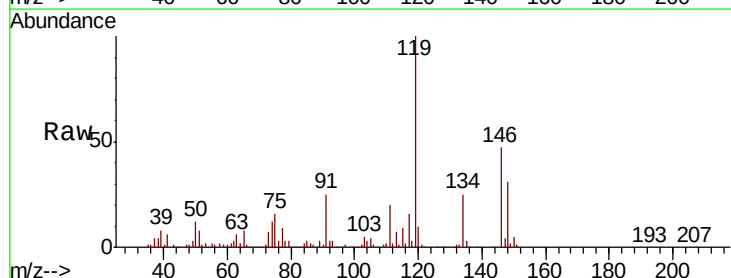
Tgt Ion:119 Resp: 293547

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

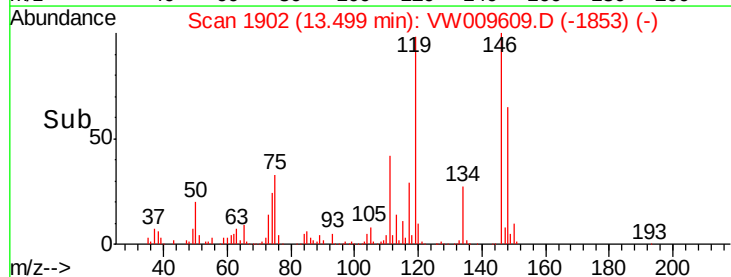
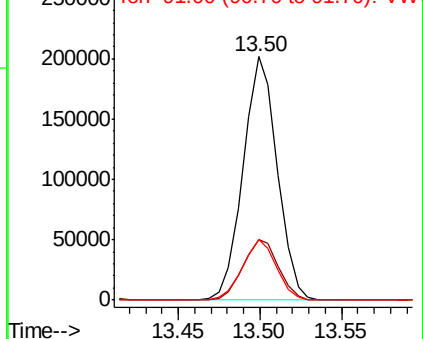
91 24.5 12.3 36.8

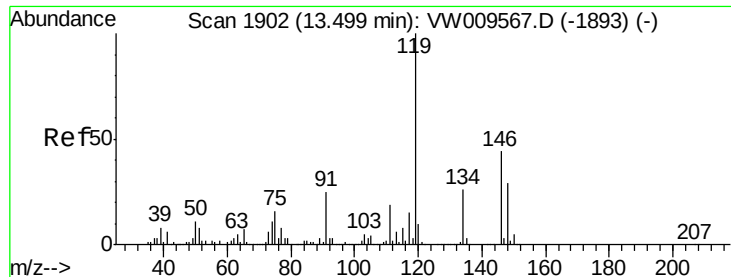


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.213 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009609.D

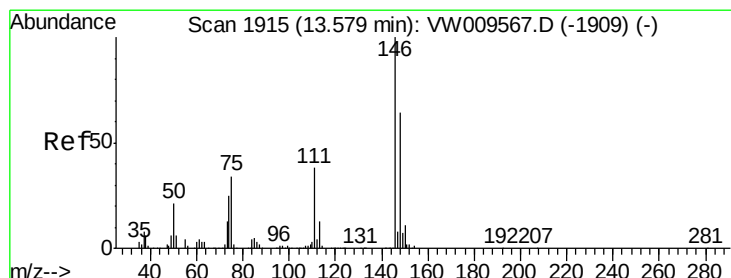
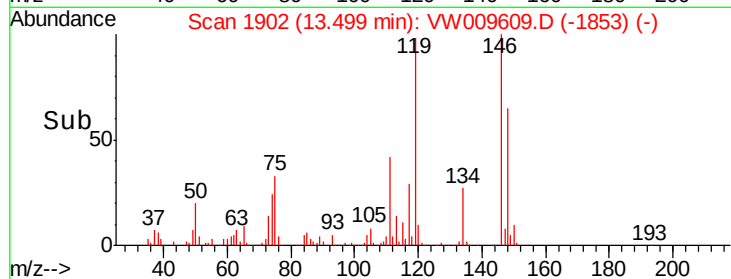
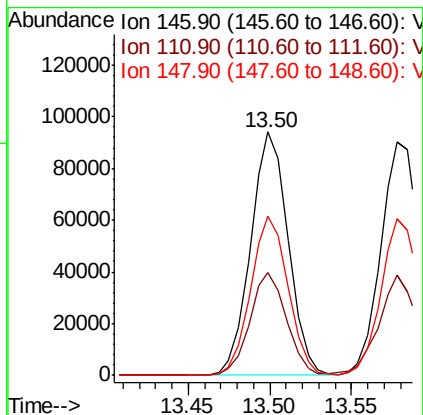
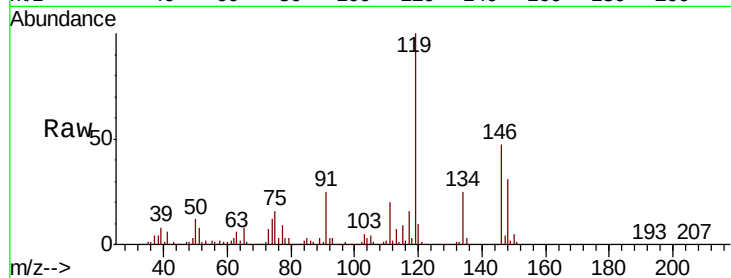
Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	150060
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.2
148	65.2	31.4	94.3



#88

1,4-Dichlorobenzene

Concen: 19.038 ug/l

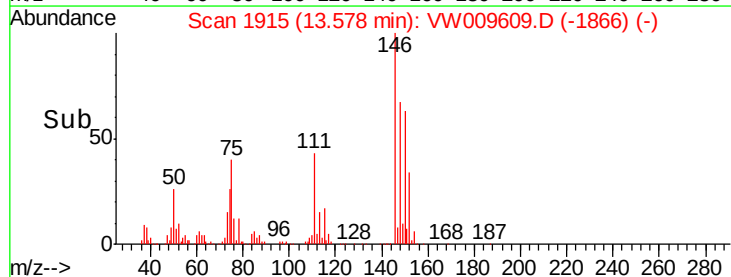
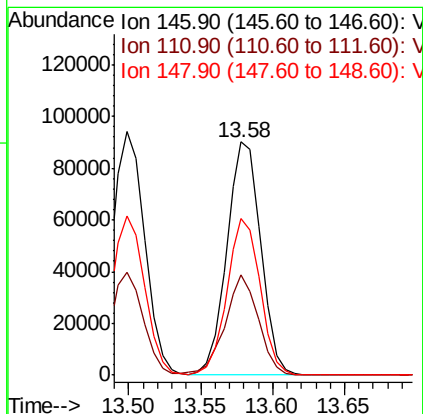
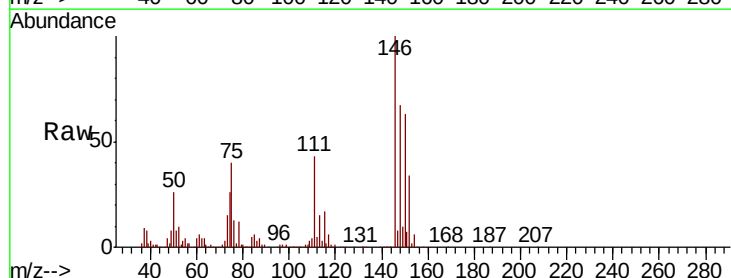
RT: 13.58 min Scan# 1915

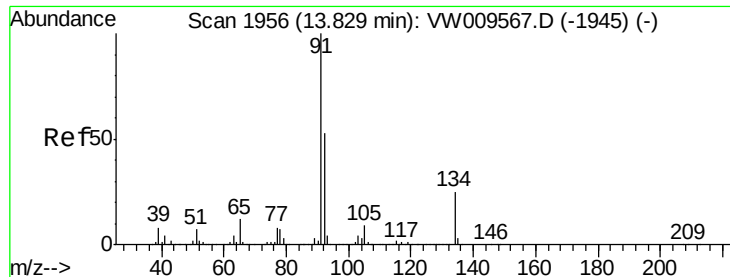
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	146	Resp:	148518
Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.9	59.6
148	65.9	32.2	96.6





#89

n-Butylbenzene

Concen: 19.027 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

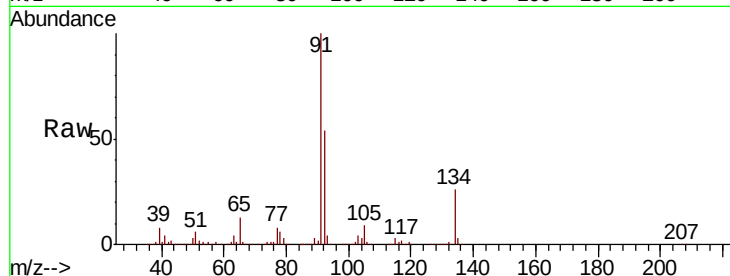
Tot Ion: 91 Resp: 290198

Ion Ratio Lower Upper

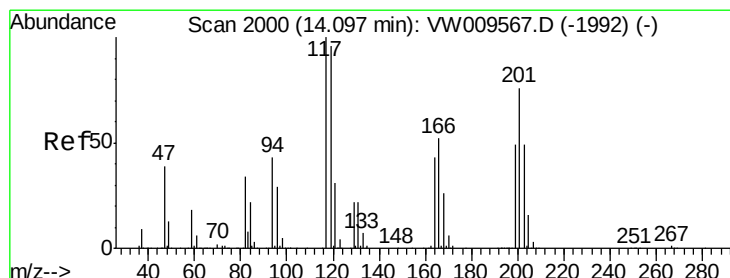
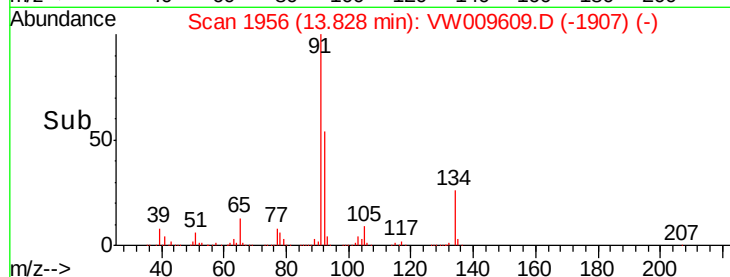
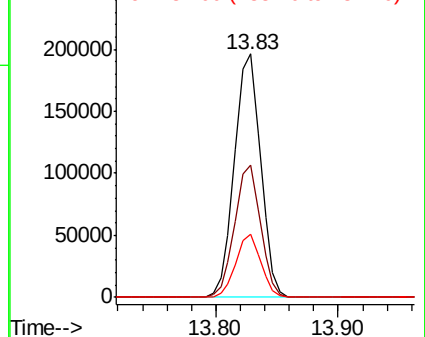
91 100

92 53.6 26.4 79.0

134 24.7 12.9 38.6



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: 19.507 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW009609.D

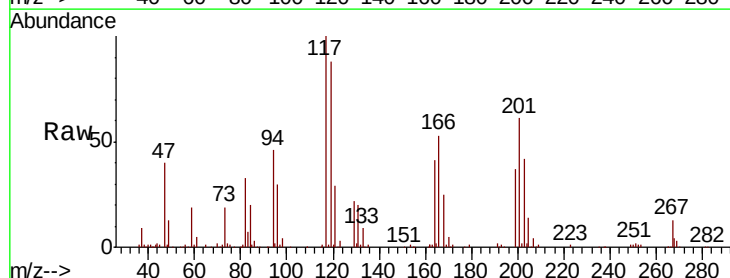
Acq: 31 Mar 2019 14:31

Tgt Ion: 117 Resp: 57721

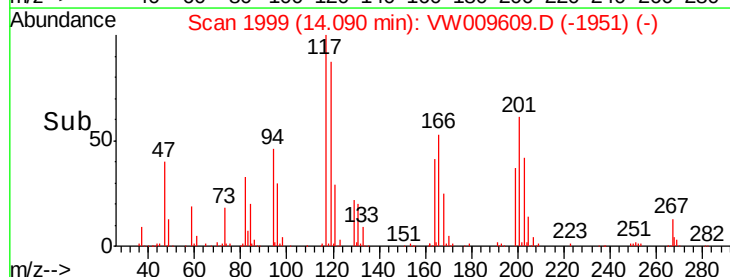
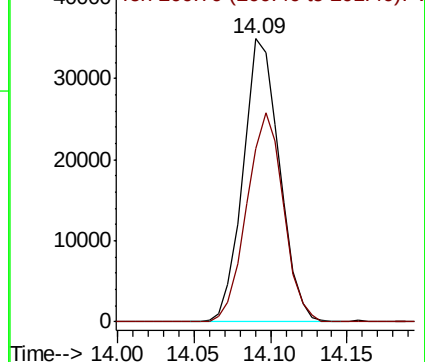
Ion Ratio Lower Upper

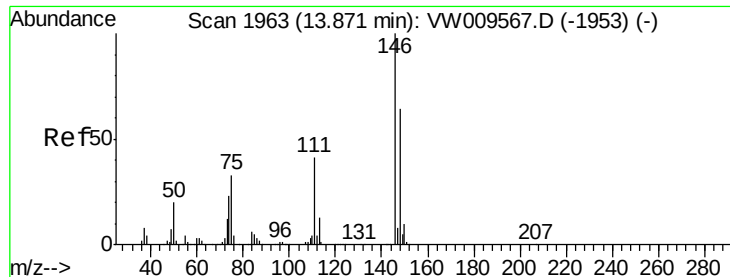
117 100

201 74.5 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

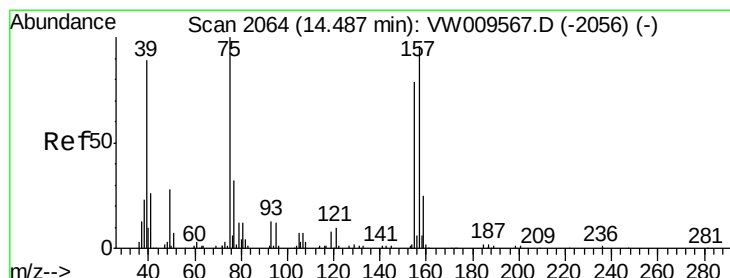
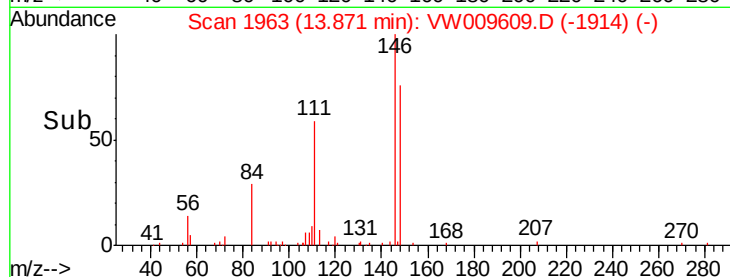
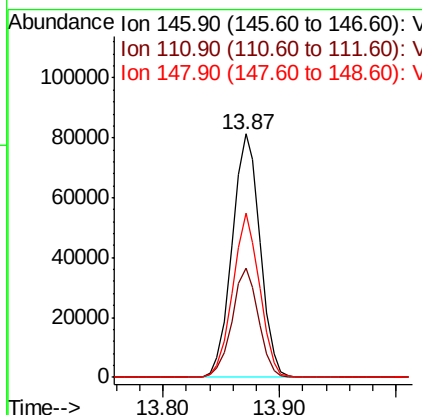
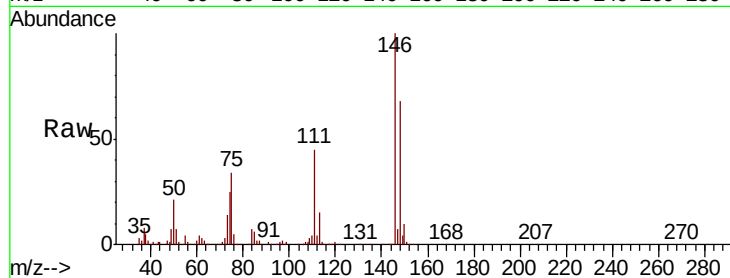




#91
 1,2-Dichlorobenzene
 Concen: 19.381 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

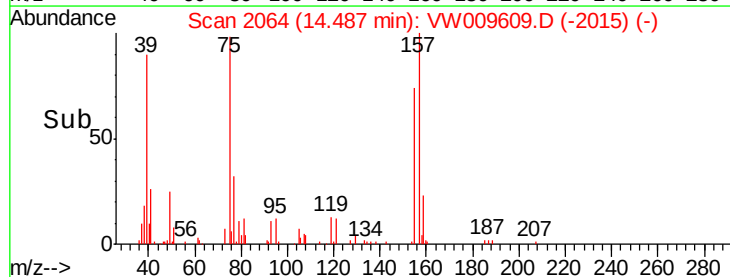
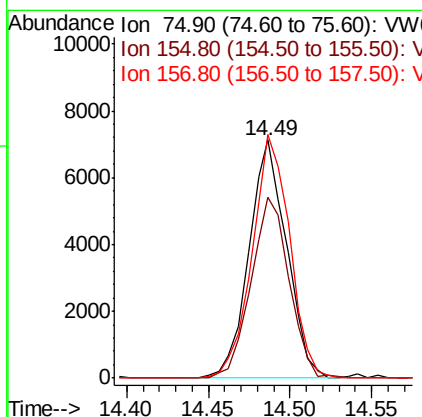
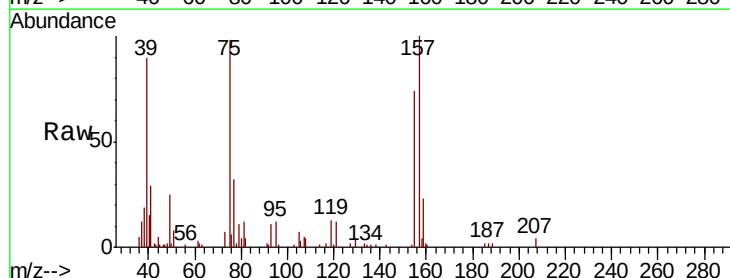
Instrument :
 MSVOA_W
 ClientSampled :

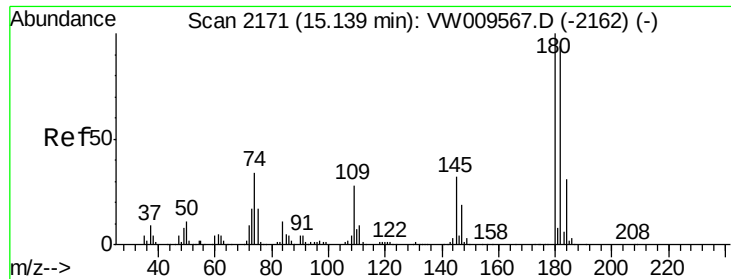
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.4	61.2
148	64.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.129 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	39.3	117.8
157	101.7	49.5	148.5

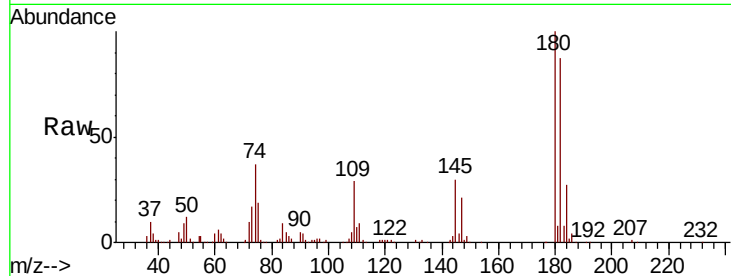




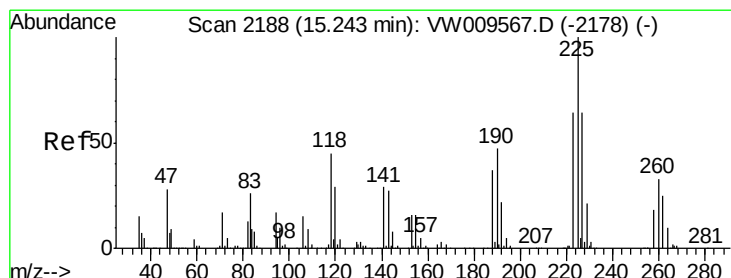
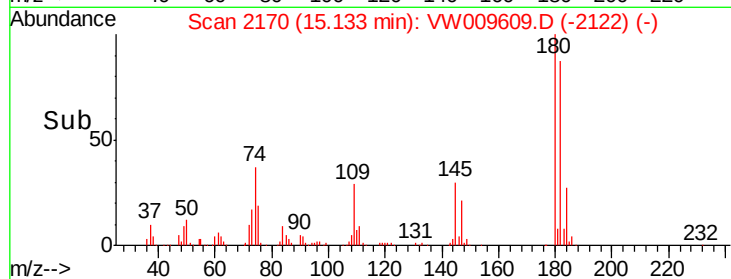
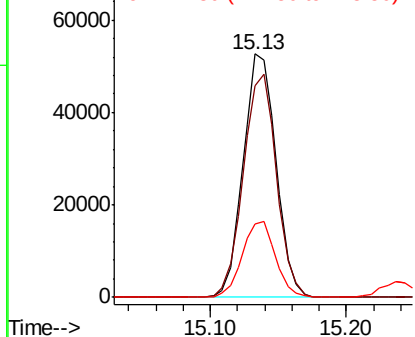
#93
 1,2,4-Trichlorobenzene
 Concen: 19.795 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.7
145	31.5	15.0	45.0

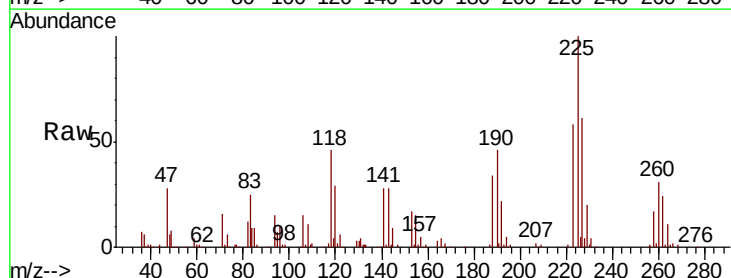


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

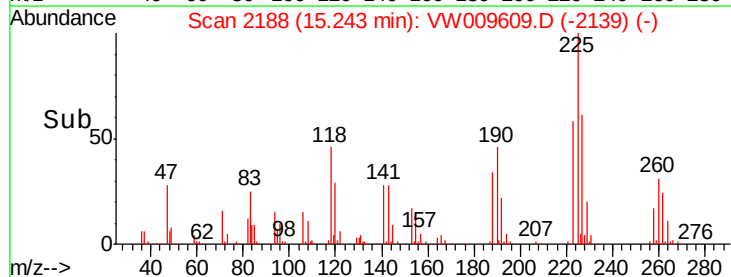
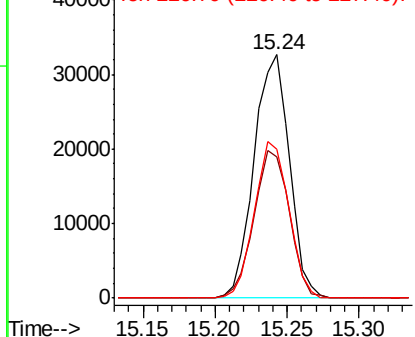


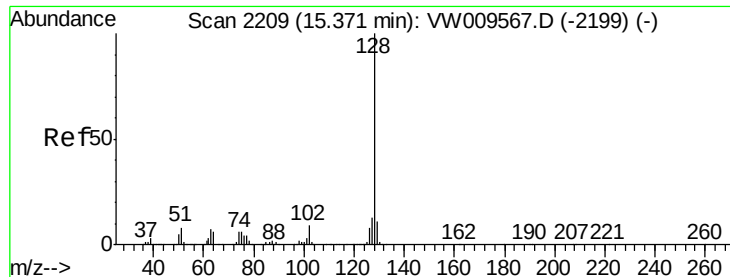
#94
 Hexachlorobutadiene
 Concen: 19.131 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.4	94.3
227	62.6	32.1	96.5



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: 19.095 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

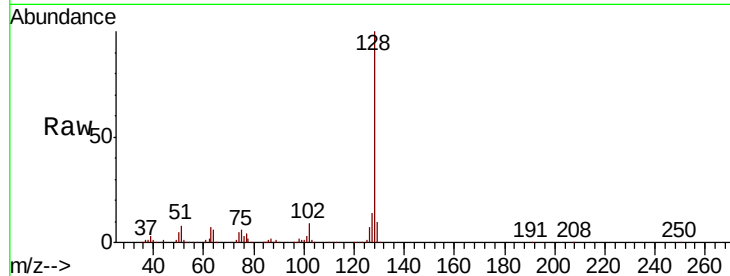
Tot Ion:128 Resp: 158286

Ion Ratio Lower Upper

128 100

127 14.0 10.8 16.2

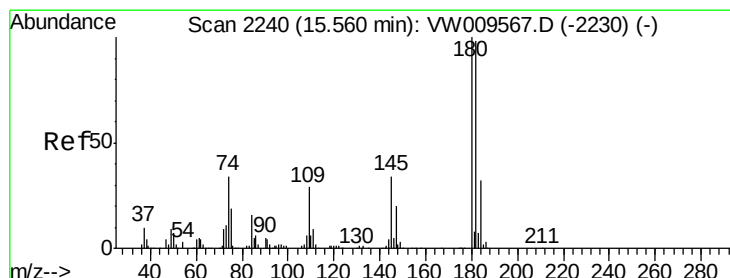
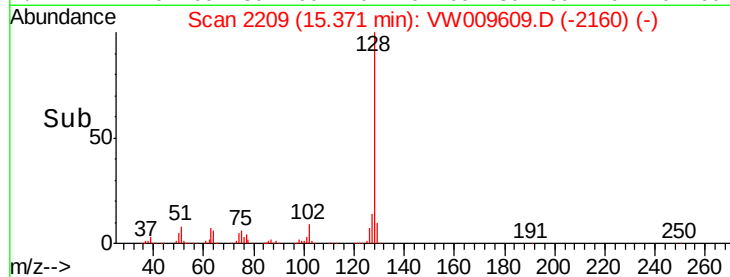
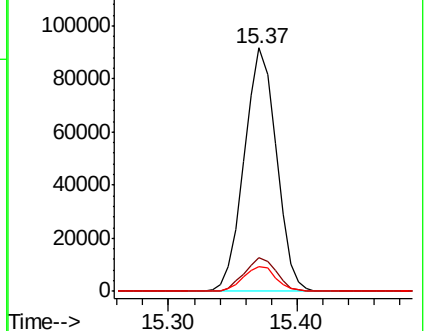
129 10.3 8.7 13.1



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: 19.901 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

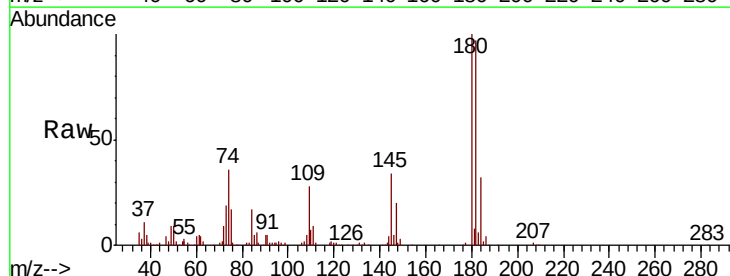
Tgt Ion:180 Resp: 79969

Ion Ratio Lower Upper

180 100

182 97.4 47.3 141.9

145 33.4 16.0 48.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

