

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
 Data File : VW007775.D
 Acq On : 21 Dec 2018 06:04
 Operator : SY/AP
 Sample : VW1220SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS02

Quant Time: Dec 21 10:04:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	116063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	45792	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	7.88	113	42881	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
50) Toluene-d8	10.32	98	163965	55.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.88%	
62) 4-Bromofluorobenzene	12.62	95	64377	56.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10541	15.493	ug/l	99
3) Chloromethane	2.21	50	10530	25.204	ug/l	96
4) Vinyl Chloride	2.37	62	12702	23.883	ug/l	92
5) Bromomethane	2.78	94	9311	25.136	ug/l	99
6) Chloroethane	2.92	64	7673	26.967	ug/l	95
7) Trichlorofluoromethane	3.26	101	10262	18.534	ug/l	90
8) Diethyl Ether	3.67	74	8175	24.105	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15411	18.899	ug/l	98
10) Methyl Iodide	4.26	142	27274	21.032	ug/l	96
11) Tert butyl alcohol	5.17	59	7565	133.687	ug/l	96
12) 1,1-Dichloroethene	4.03	96	15534	20.572	ug/l	95
13) Acrolein	3.89	56	5134	113.471	ug/l	95
14) Allyl chloride	4.66	41	23269	23.499	ug/l	92
15) Acrylonitrile	5.37	53	16283	112.555	ug/l	99
16) Acetone	4.12	43	14678	93.440	ug/l	# 87
17) Carbon Disulfide	4.38	76	44342	18.976	ug/l	99
18) Methyl Acetate	4.67	43	9008	24.113	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	27454	25.325	ug/l	92
20) Methylene Chloride	4.91	84	20509	22.659	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	17394	20.945	ug/l	95
22) Diisopropyl ether	6.31	45	45674	24.633	ug/l	98
23) Vinyl Acetate	6.26	43	125241	113.689	ug/l	99
24) 1,1-Dichloroethane	6.21	63	30749	22.543	ug/l	99
25) 2-Butanone	7.17	43	19368	105.266	ug/l	93
26) 2,2-Dichloropropane	7.16	77	19535	19.571	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	19973	22.574	ug/l	99
28) Bromochloromethane	7.51	49	10341	22.235	ug/l	97
29) Tetrahydrofuran	7.53	42	12951	118.007	ug/l	97
30) Chloroform	7.67	83	32080	20.782	ug/l	100
31) Cyclohexane	7.95	56	26181	20.966	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	28971	20.607	ug/l	99
36) 1,1-Dichloropropene	8.08	75	24668	20.053	ug/l	99
37) Ethyl Acetate	7.26	43	9915	23.355	ug/l	99
38) Carbon Tetrachloride	8.07	117	25411	17.541	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007775.D
 Acq On : 21 Dec 2018 06:04
 Operator : SY/AP
 Sample : VW1222SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WV1222SBS02

Quant Time: Dec 21 10:04:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	30288	19.815	ug/l	98
40) Benzene	8.32	78	69392	21.140	ug/l	99
41) Methacrylonitrile	7.48	41	5419	22.483	ug/l	96
42) 1,2-Dichloroethane	8.40	62	22062	20.056	ug/l	99
43) Isopropyl Acetate	8.43	43	18990	22.327	ug/l	99
44) Trichloroethene	9.09	130	20110	20.258	ug/l	99
45) 1,2-Dichloropropane	9.37	63	15876	21.797	ug/l	94
46) Dibromomethane	9.46	93	8846	19.730	ug/l	97
47) Bromodichloromethane	9.65	83	23323	19.787	ug/l	96
48) Methyl methacrylate	9.43	41	9364	22.057	ug/l	98
49) 1,4-Dioxane	9.45	88	3381	475.625	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	43960	109.365	ug/l	100
52) Toluene	10.39	92	47275	21.466	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	24001	20.471	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	27224	21.022	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13051	21.115	ug/l	95
56) Ethyl methacrylate	10.65	69	16614	22.750	ug/l	95
57) 1,3-Dichloropropane	10.93	76	22188	21.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	41476	124.391	ug/l	96
59) 2-Hexanone	10.97	43	29993	106.101	ug/l	98
60) Dibromochloromethane	11.13	129	14930	18.243	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13302	21.251	ug/l	98
64) Tetrachloroethene	10.87	164	17373	21.138	ug/l	96
65) Chlorobenzene	11.66	112	52687	20.973	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	17679	19.696	ug/l	98
67) Ethyl Benzene	11.73	91	94717	21.972	ug/l	94
68) m/p-Xylenes	11.84	106	71861	42.974	ug/l	98
69) o-Xylene	12.17	106	34342	21.909	ug/l	100
70) Styrene	12.18	104	56426	21.899	ug/l	99
71) Bromoform	12.35	173	7879	16.909	ug/l #	97
73) Isopropylbenzene	12.47	105	95172	21.746	ug/l	100
74) N-amyl acetate	12.27	43	17696	23.343	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	13908	21.195	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	19137	42.764	ug/l #	100
77) Bromobenzene	12.75	156	21399	21.335	ug/l	98
78) n-propylbenzene	12.80	91	109095	21.414	ug/l	99
79) 2-Chlorotoluene	12.90	91	64368	21.689	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	83352	22.080	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3898	18.284	ug/l	95
82) 4-Chlorotoluene	12.99	91	68378	21.638	ug/l	99
83) tert-Butylbenzene	13.21	119	72980	22.033	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	84801	22.262	ug/l	99
85) sec-Butylbenzene	13.39	105	97761	21.415	ug/l	100
86) p-Isopropyltoluene	13.50	119	89511	21.564	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	42463	21.323	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	42406	21.288	ug/l	99
89) n-Butylbenzene	13.83	91	79997	21.019	ug/l	99
90) Hexachloroethane	14.10	117	12557	17.231	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	38543	21.617	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2638	19.576	ug/l	97

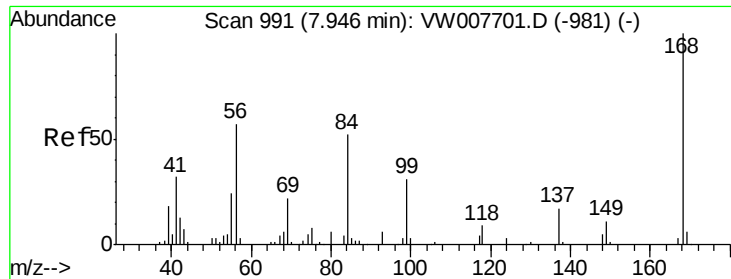
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
Data File : VW007775.D
Acq On : 21 Dec 2018 06:04
Operator : SY/AP
Sample : VW1220SBSD01
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Quant Time: Dec 21 10:04:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26470	21.387	ug/l	99
94) Hexachlorobutadiene	15.24	225	13944	21.082	ug/l	99
95) Naphthalene	15.37	128	53893	23.552	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	23153	21.854	ug/l	98

(#) = 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: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

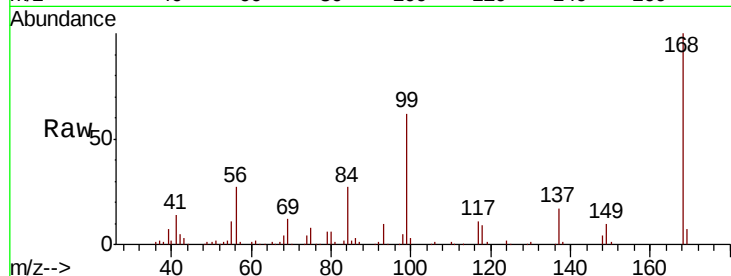
VW1222SBSD02

Tot Ion:168 Resp: 76535

Ion Ratio Lower Upper

168 100

99 61.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

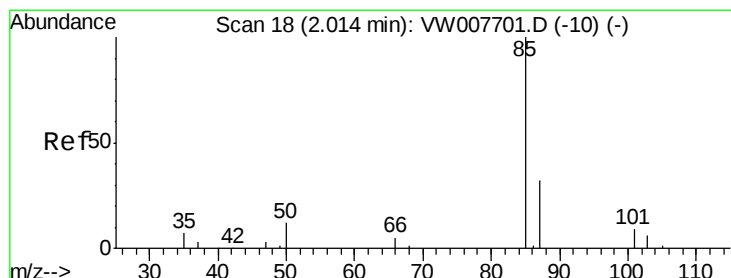
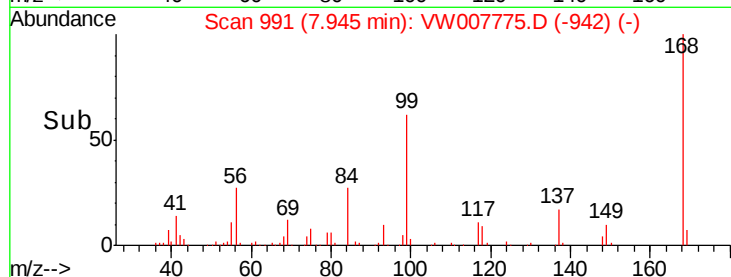
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 15.493 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007775.D

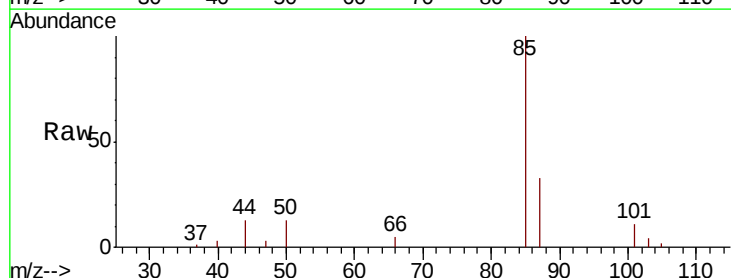
Acq: 21 Dec 2018 06:04

Tgt Ion: 85 Resp: 10541

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

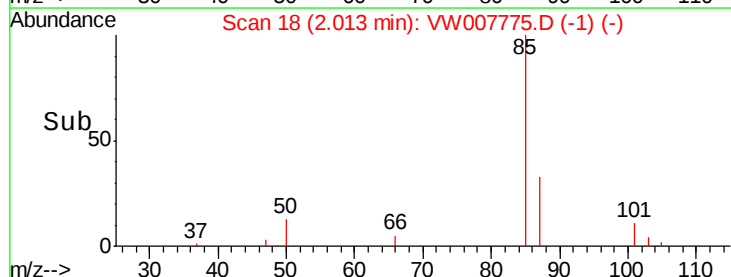
2000

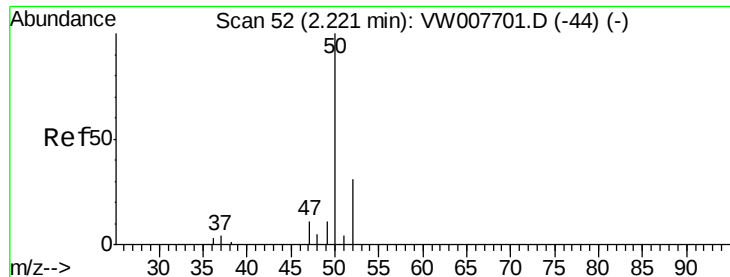
1000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 25.204 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

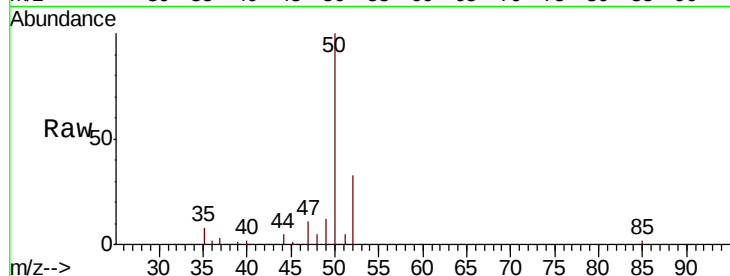
VW1222SBSD02

Tot Ion: 50 Resp: 10530

Ion Ratio Lower Upper

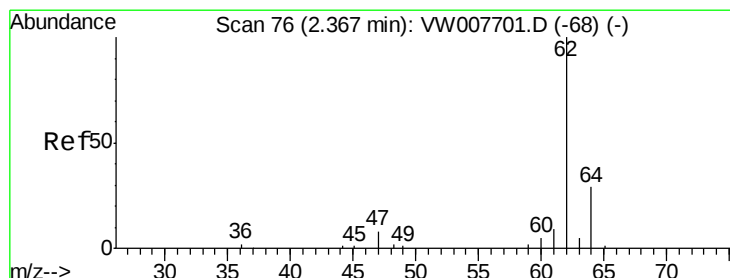
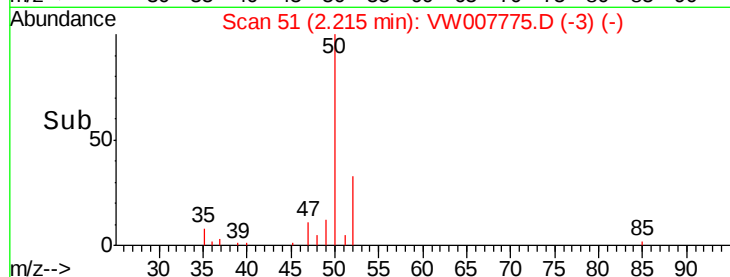
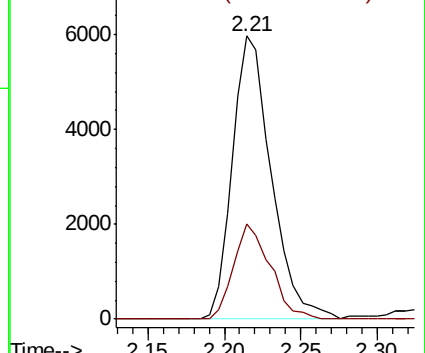
50 100

52 33.5 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 23.883 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007775.D

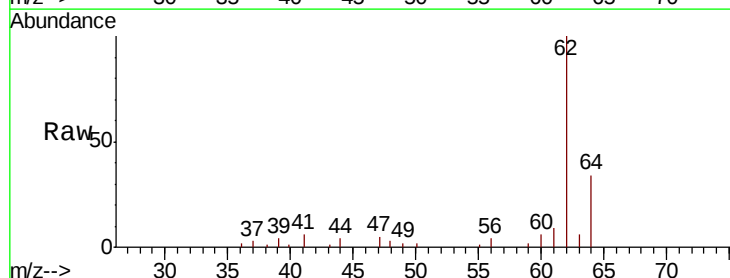
Acq: 21 Dec 2018 06:04

Tgt Ion: 62 Resp: 12702

Ion Ratio Lower Upper

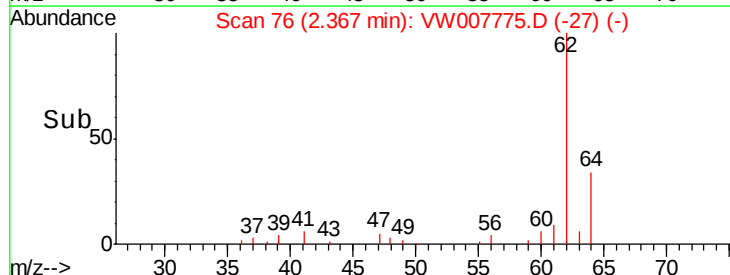
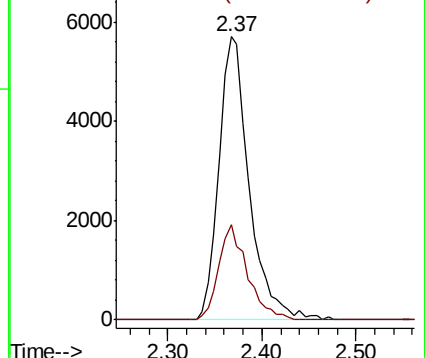
62 100

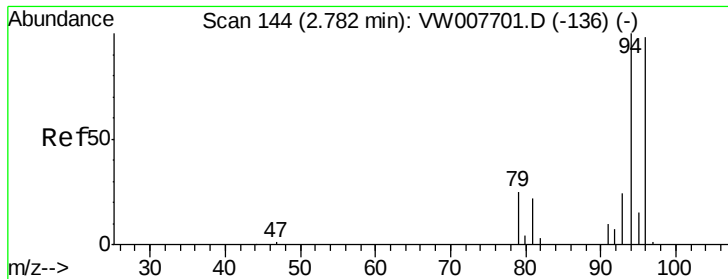
64 33.6 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 25.136 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

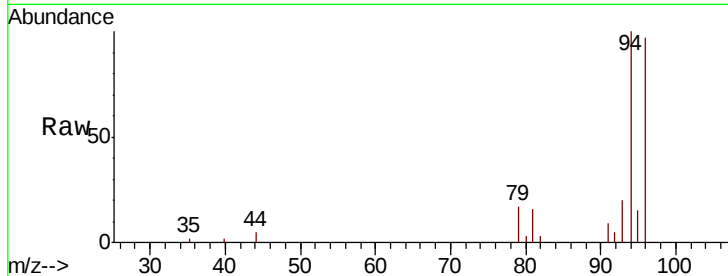
VW1222SBSD02

Tot Ion: 94 Resp: 9311

Ion Ratio Lower Upper

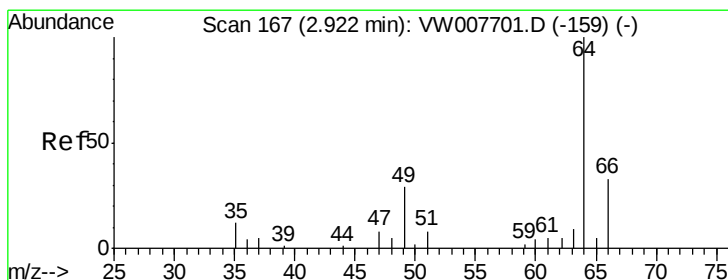
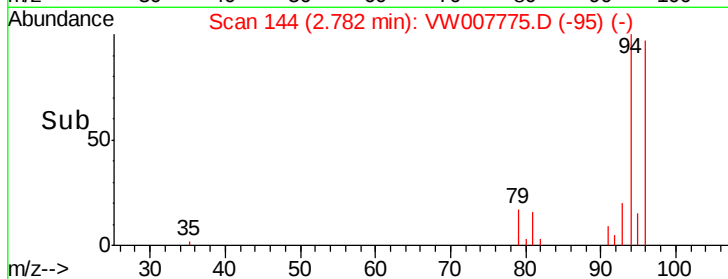
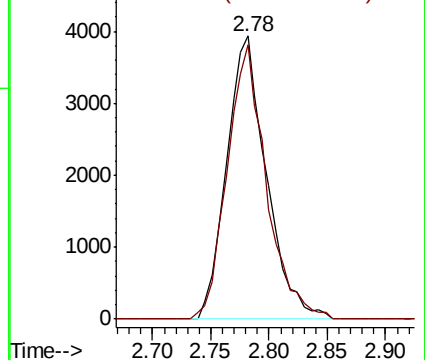
94 100

96 96.9 78.2 117.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 26.967 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007775.D

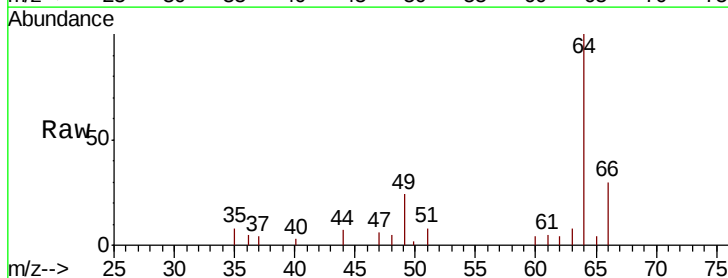
Acq: 21 Dec 2018 06:04

Tgt Ion: 64 Resp: 7673

Ion Ratio Lower Upper

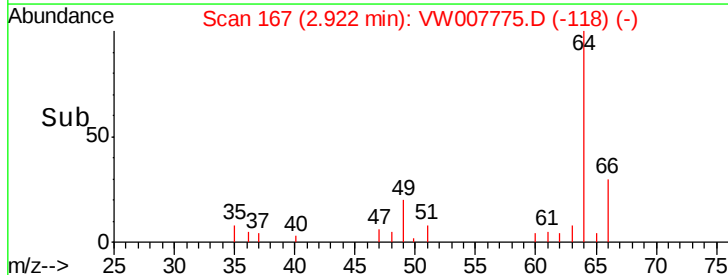
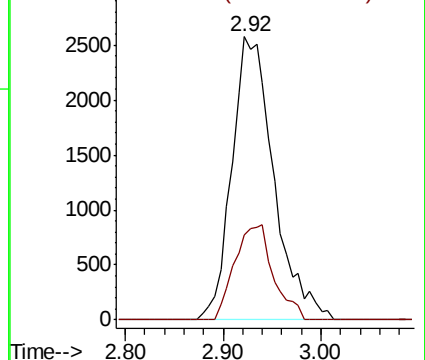
64 100

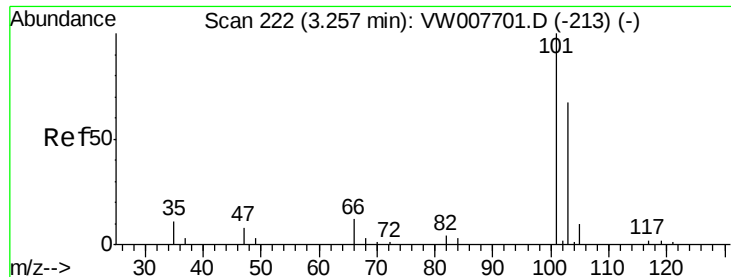
66 30.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



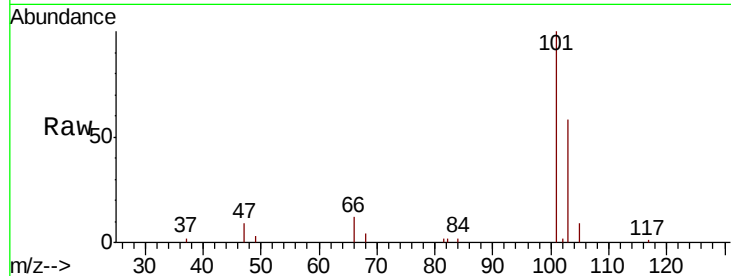


#7

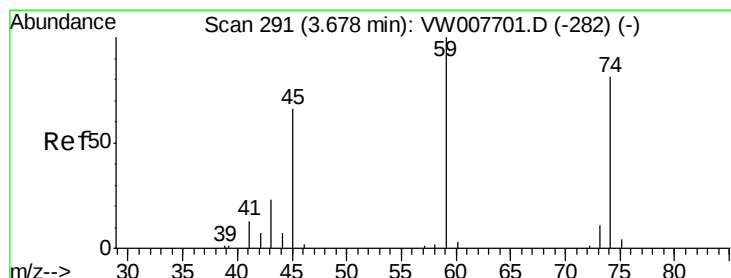
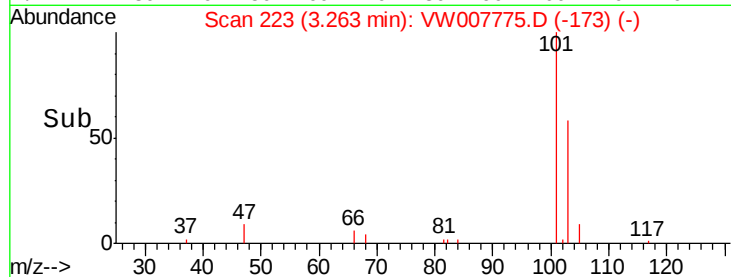
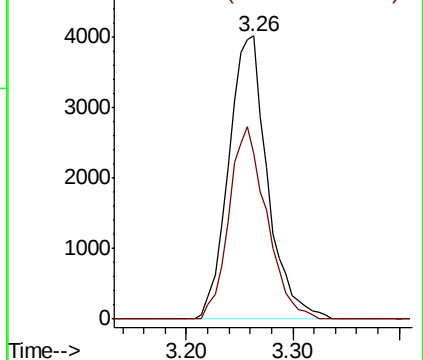
Trichlorofluoromethane
 Concen: 18.534 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBSD02

Tot Ion:101 Resp: 10262
 Ion Ratio Lower Upper
 101 100
 103 58.5 53.4 80.2



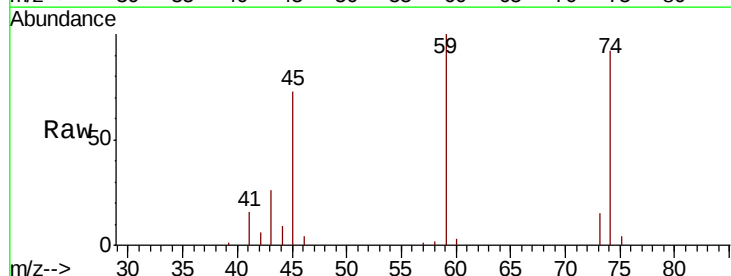
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



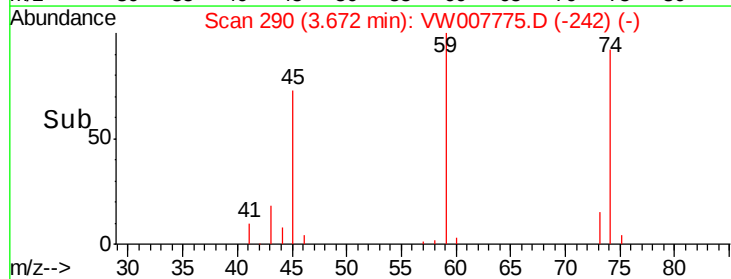
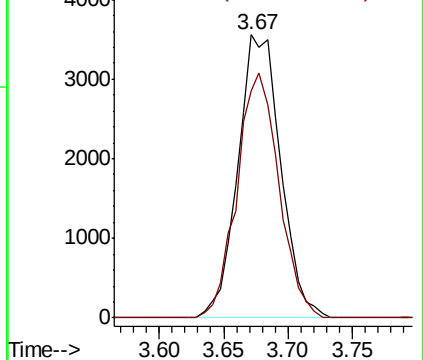
#8

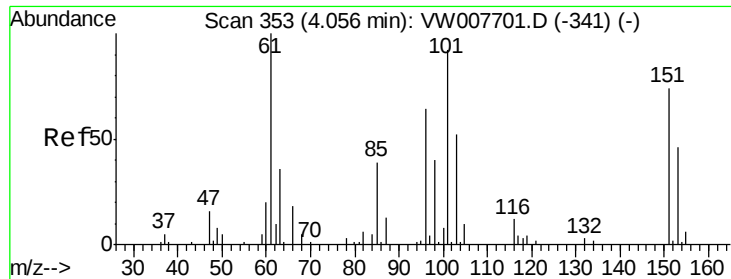
Diethyl Ether
 Concen: 24.105 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion: 74 Resp: 8175
 Ion Ratio Lower Upper
 74 100
 45 84.8 39.4 118.1



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: 18.899 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS02

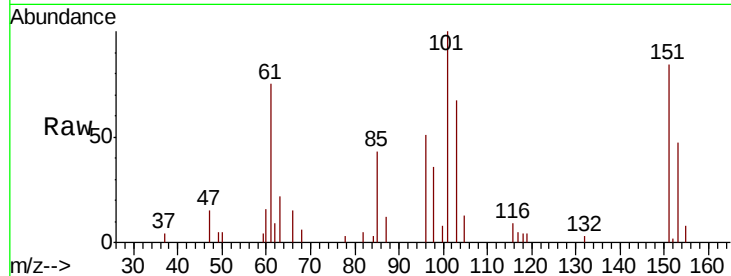
Tot Ion:101 Resp: 15411

Ion Ratio Lower Upper

101 100

85 43.2 34.3 51.5

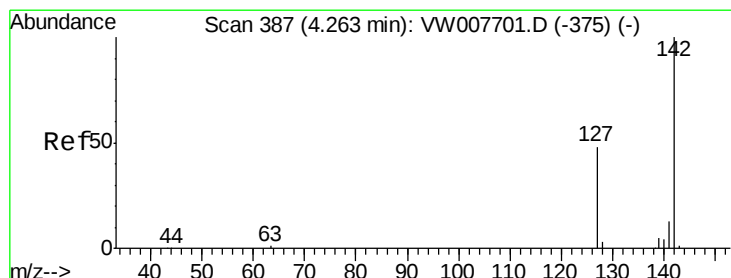
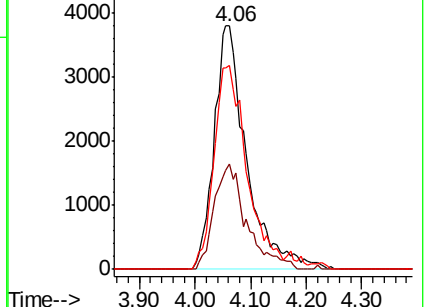
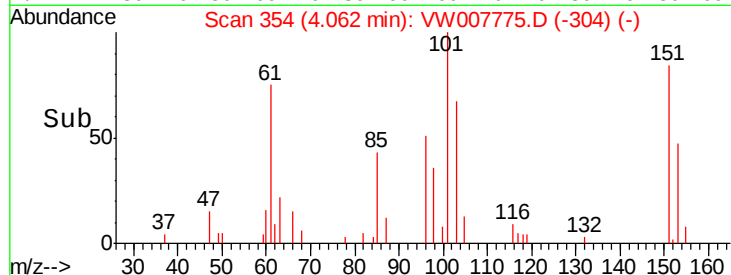
151 83.9 64.6 96.8



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: 21.032 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

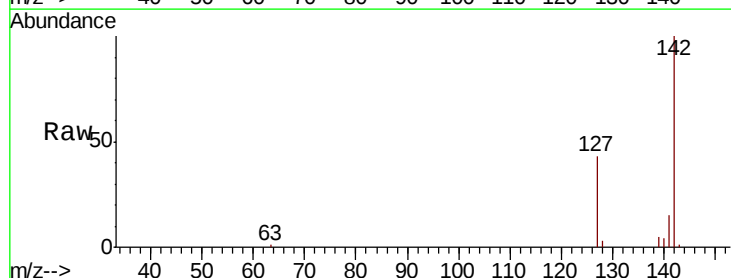
Tgt Ion:142 Resp: 27274

Ion Ratio Lower Upper

142 100

127 44.0 37.7 56.5

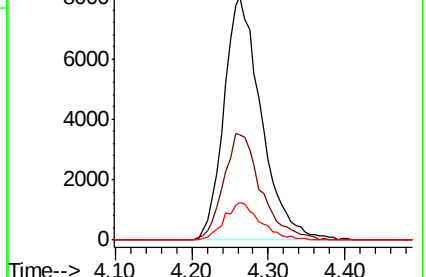
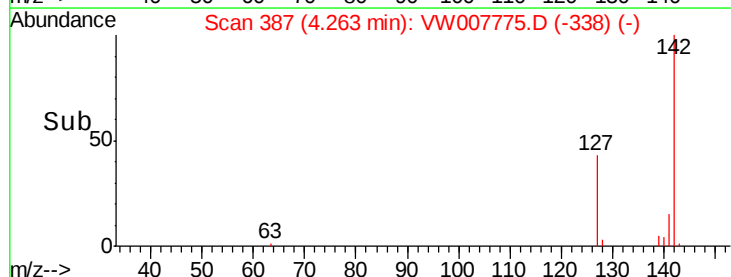
141 14.7 11.5 17.3

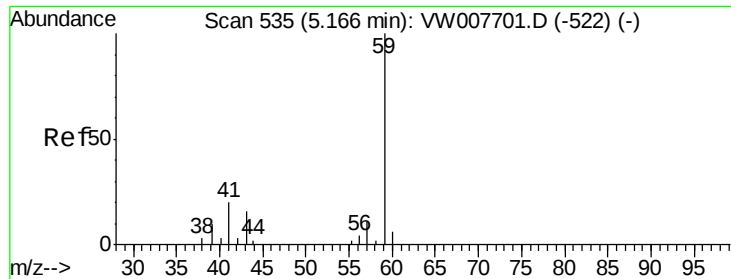


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

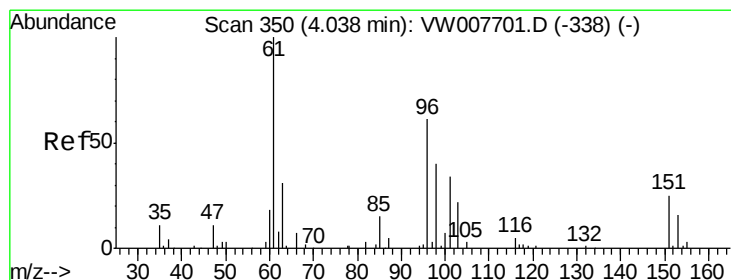
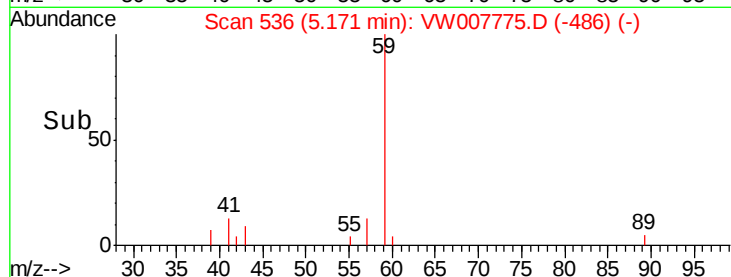
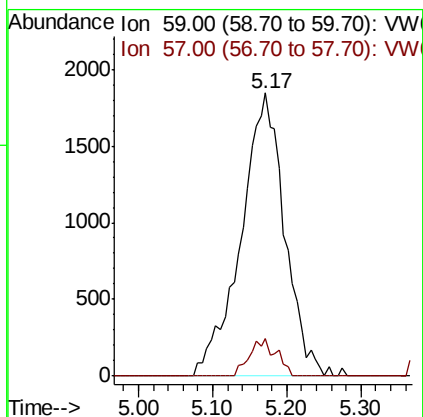
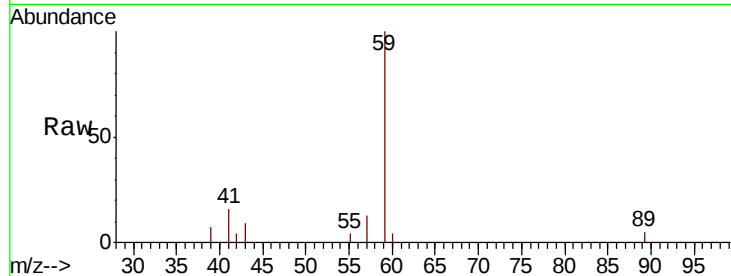




#11
Tert butyl alcohol
Concen: 133.687 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

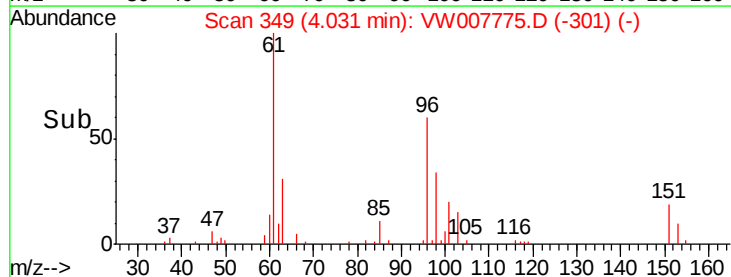
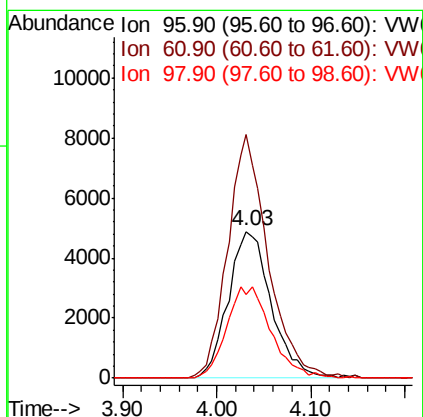
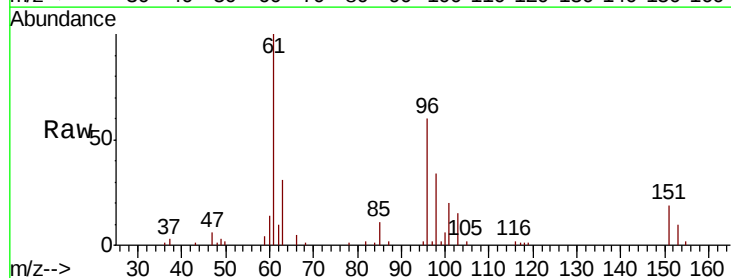
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS02

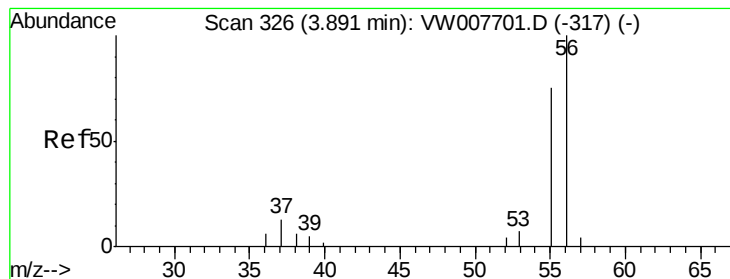
Tot Ion: 59 Resp: 7565
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.8



#12
1,1-Dichloroethene
Concen: 20.572 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 96 Resp: 15534
Ion Ratio Lower Upper
96 100
61 166.2 130.6 195.8
98 56.7 52.3 78.5





#13

Acrolein

Concen: 113.471 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

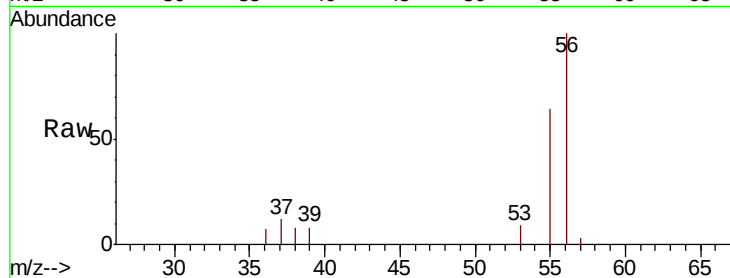
VW1222SBSD02

Tot Ion: 56 Resp: 5134

Ion Ratio Lower Upper

56 100

55 68.1 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

2500

2000

1500

1000

500

0

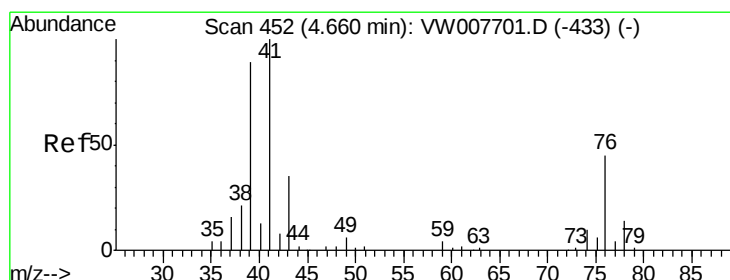
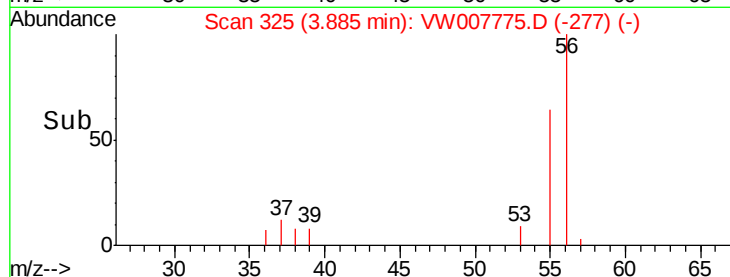
3.89

3.85

3.90

3.95

Time-->



#14

Allyl chloride

Concen: 23.499 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

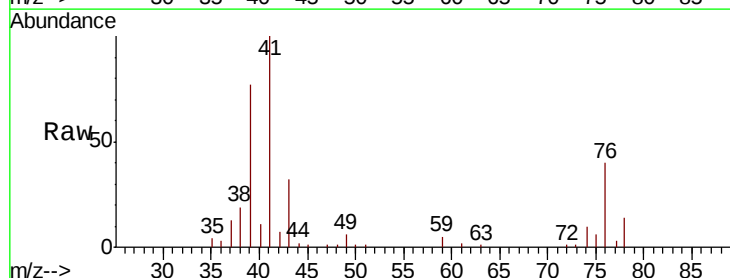
Tgt Ion: 41 Resp: 23269

Ion Ratio Lower Upper

41 100

39 78.3 69.5 104.3

76 40.6 34.8 52.2



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

10000

8000

6000

4000

2000

0

4.66

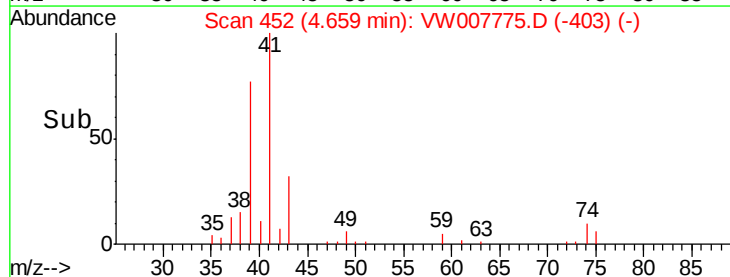
4.50

4.60

4.70

4.80

Time-->





#15

Acrylonitrile

Concen: 112.555 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBSD02

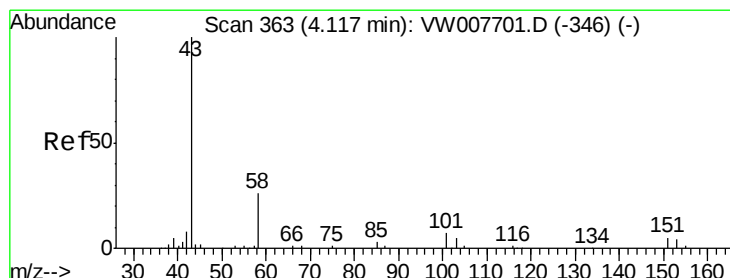
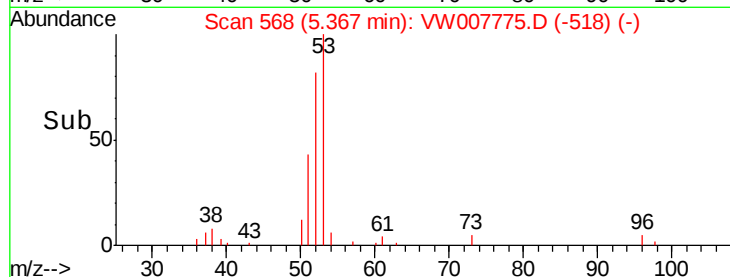
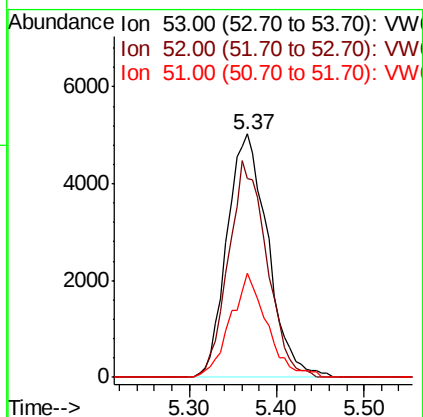
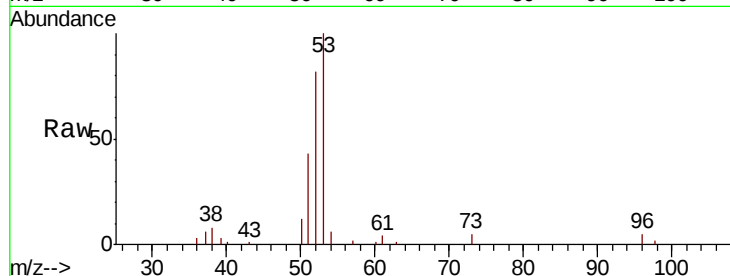
Tot Ion: 53 Resp: 16283

Ion Ratio Lower Upper

53 100

52 83.3 67.0 100.4

51 38.5 30.2 45.2



#16

Acetone

Concen: 93.440 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007775.D

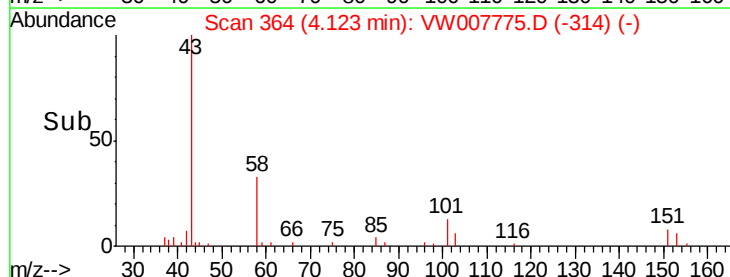
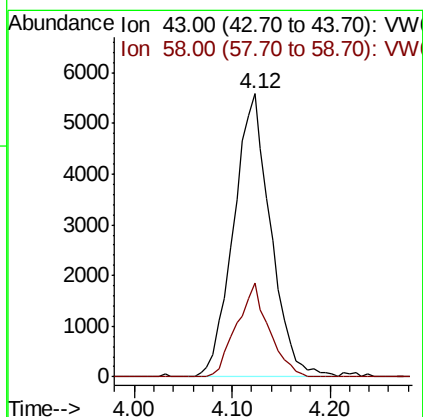
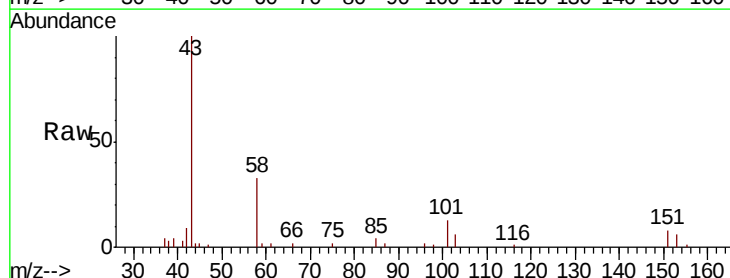
Acq: 21 Dec 2018 06:04

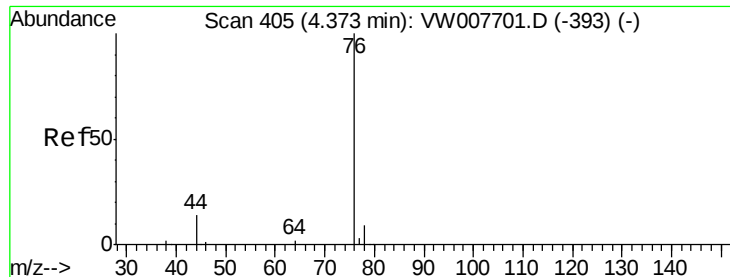
Tgt Ion: 43 Resp: 14678

Ion Ratio Lower Upper

43 100

58 33.2 21.2 31.8#

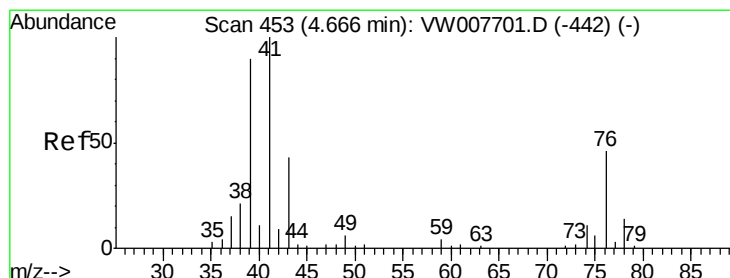
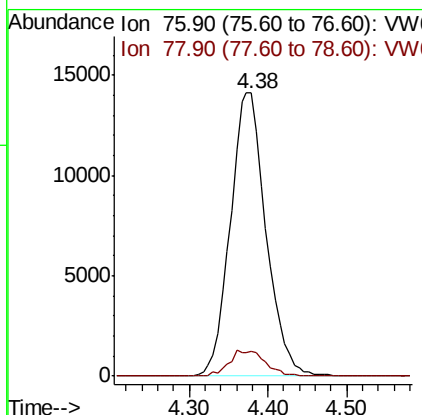
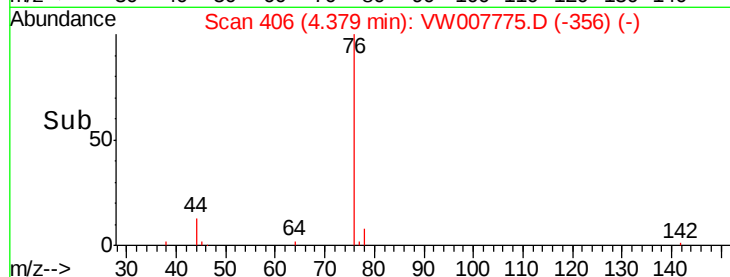
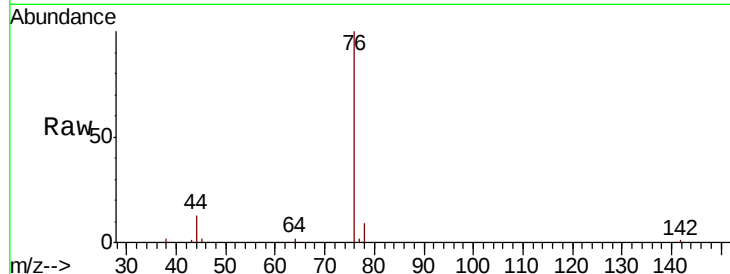




#17
Carbon Disulfide
Concen: 18.976 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

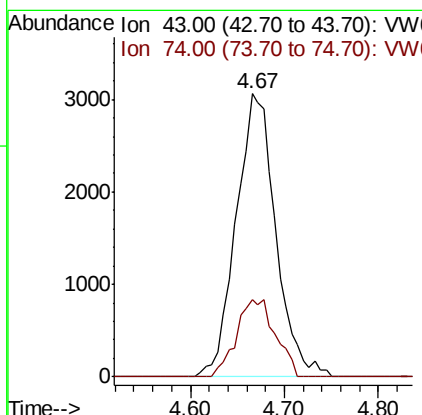
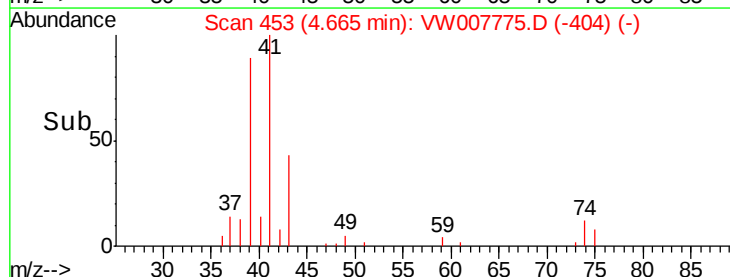
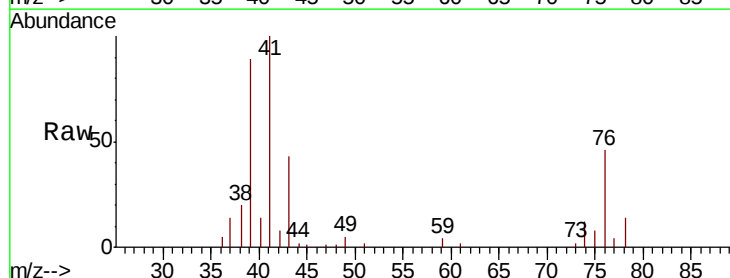
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

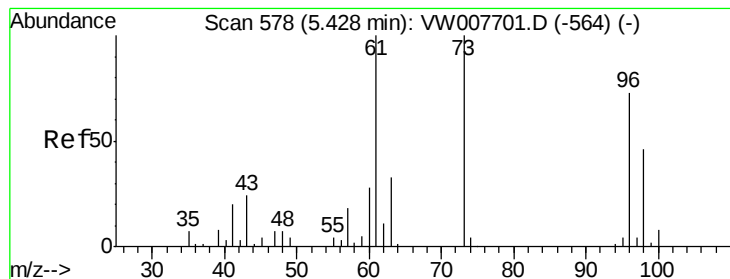
Tot Ion: 76 Resp: 44342
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 24.113 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 43 Resp: 9008
Ion Ratio Lower Upper
43 100
74 26.8 22.7 34.1



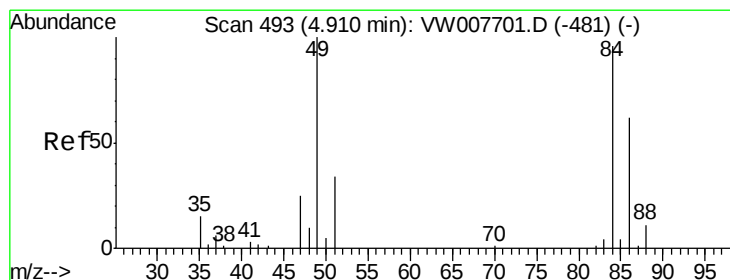
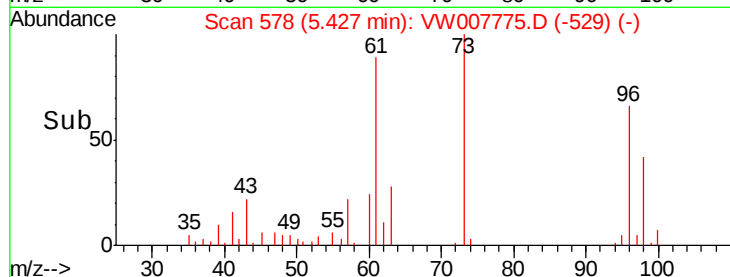
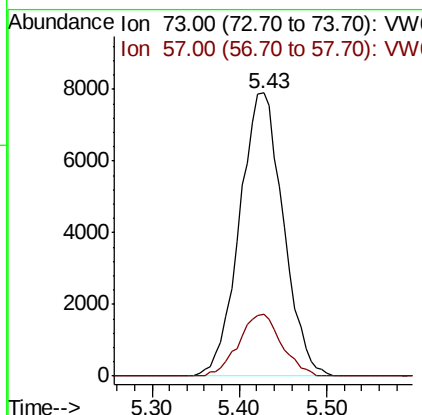
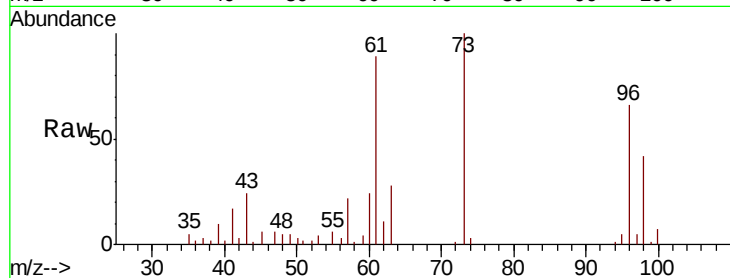


#19

Methyl tert-butyl Ether
 Concen: 25.325 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS02

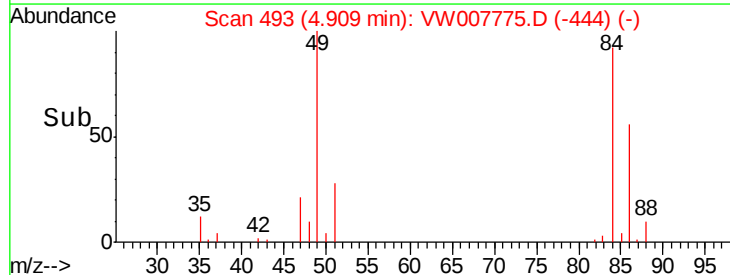
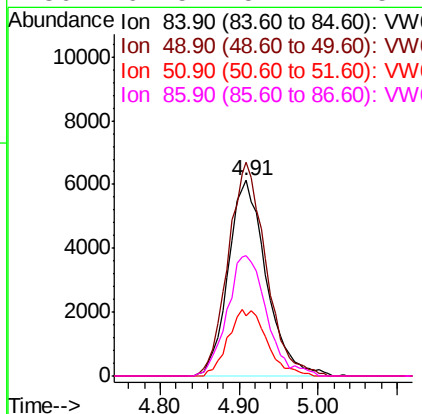
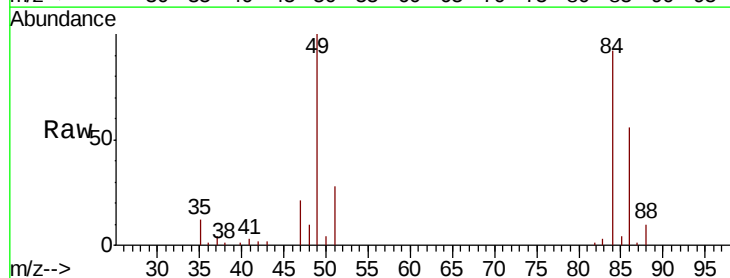
Tot Ion: 73 Resp: 27454
 Ion Ratio Lower Upper
 73 100
 57 21.9 14.7 22.1

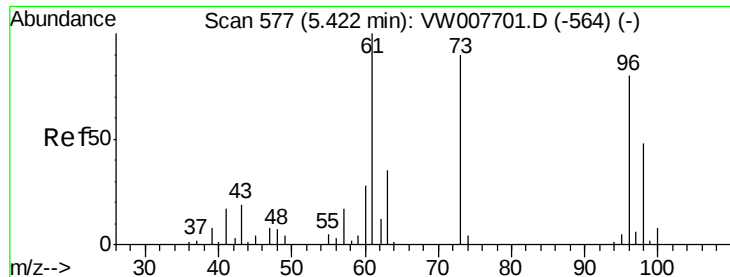


#20

Methylene Chloride
 Concen: 22.659 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion: 84 Resp: 20509
 Ion Ratio Lower Upper
 84 100
 49 109.1 83.7 125.5
 51 30.6 28.2 42.2
 86 61.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.945 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBSD02

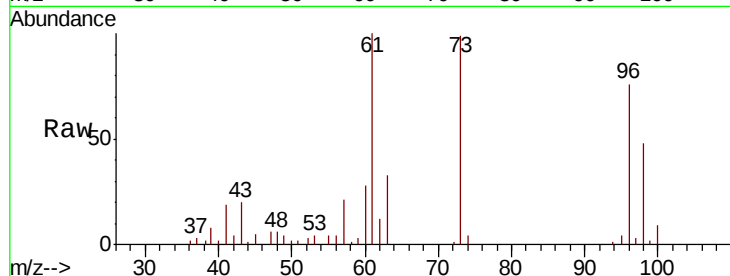
Tot Ion: 96 Resp: 17394

Ion Ratio Lower Upper

96 100

61 131.4 100.1 150.1

98 62.8 48.5 72.7

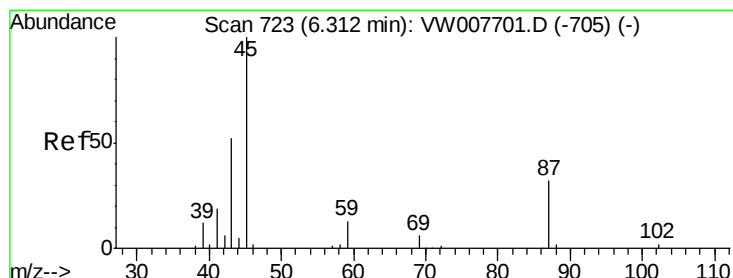
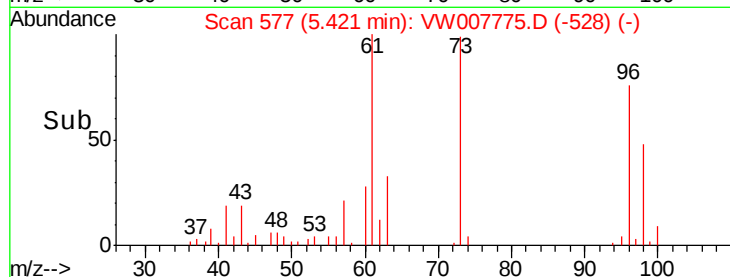
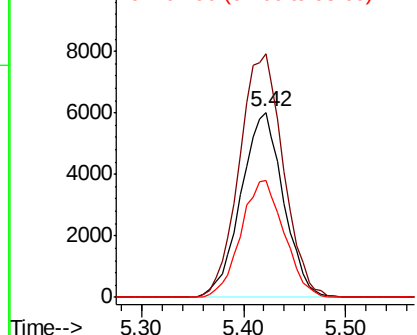


Abundance

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: 24.633 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Tgt Ion: 45 Resp: 45674

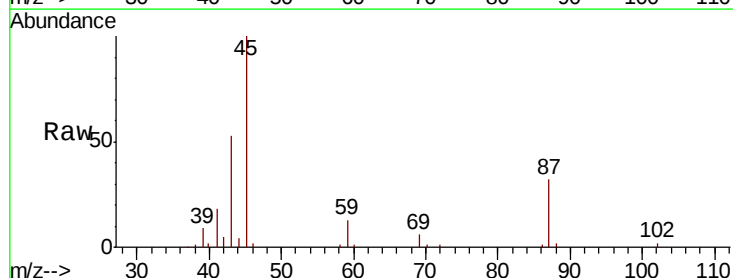
Ion Ratio Lower Upper

45 100

43 53.0 43.7 65.5

87 32.4 26.6 40.0

59 12.8 10.2 15.2



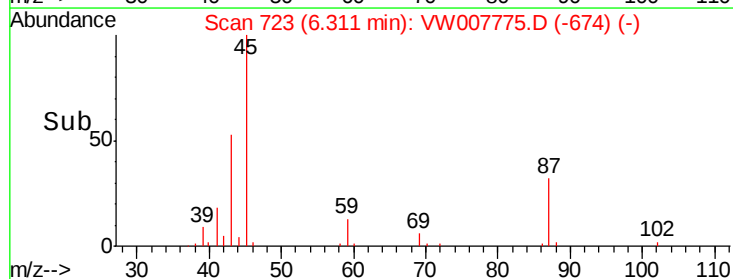
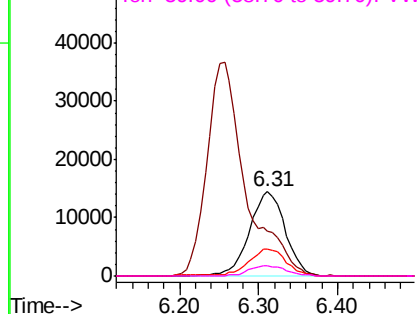
Abundance

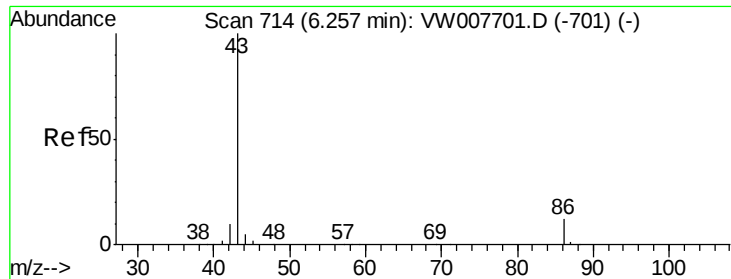
Ion 45.00 (44.70 to 45.70): VW

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: 113.689 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

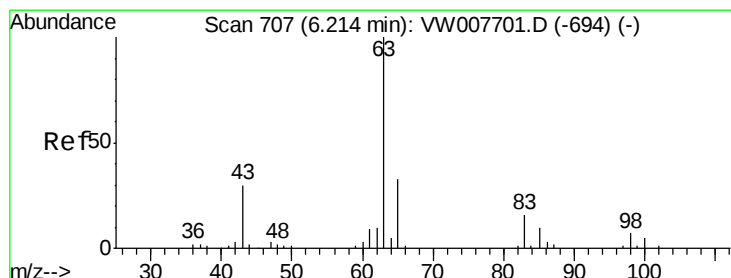
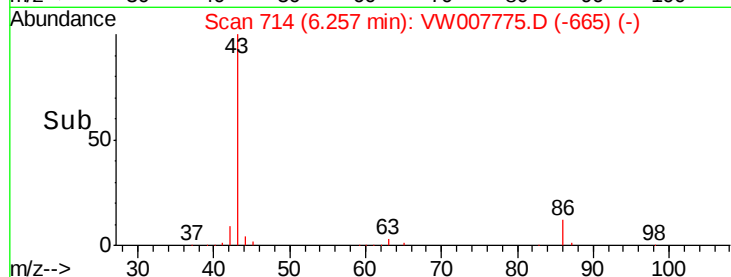
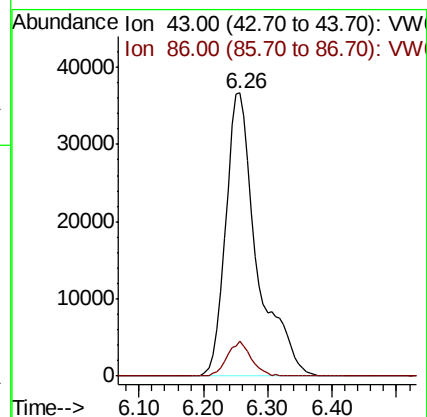
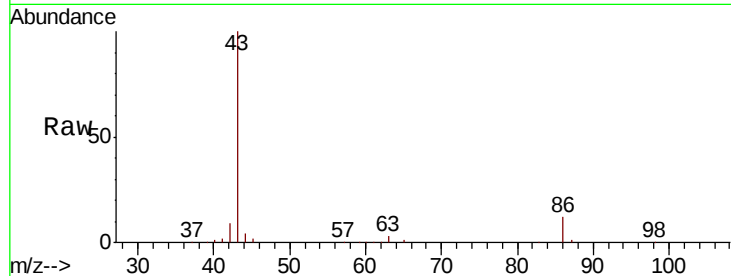
VW1222SBSD02

Tot Ion: 43 Resp: 125241

Ion Ratio Lower Upper

43 100

86 12.2 9.6 14.4



#24

1,1-Dichloroethane

Concen: 22.543 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

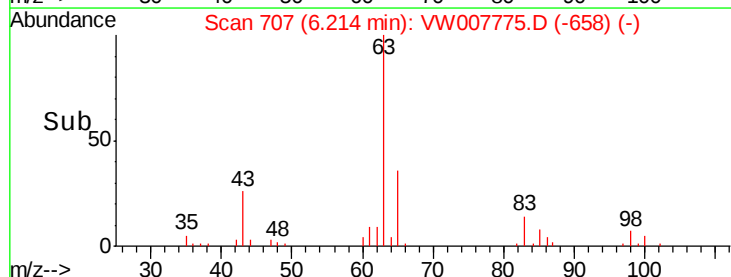
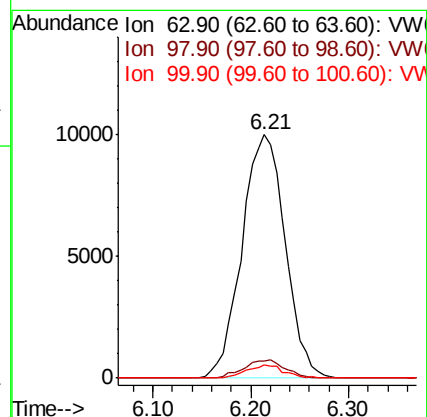
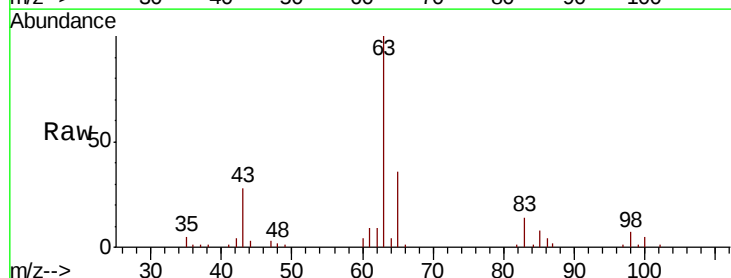
Tgt Ion: 63 Resp: 30749

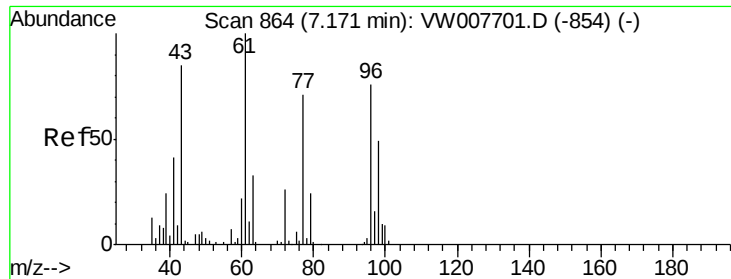
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 5.2 2.5 7.5





#25

2-Butanone

Concen: 105.266 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

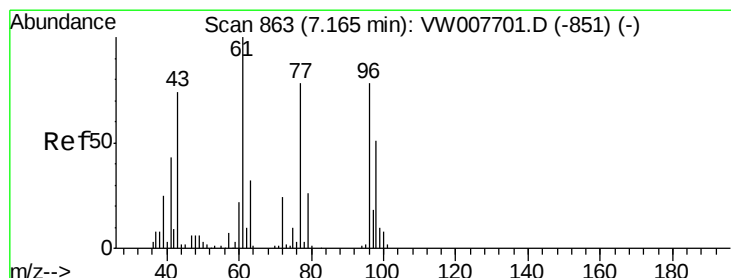
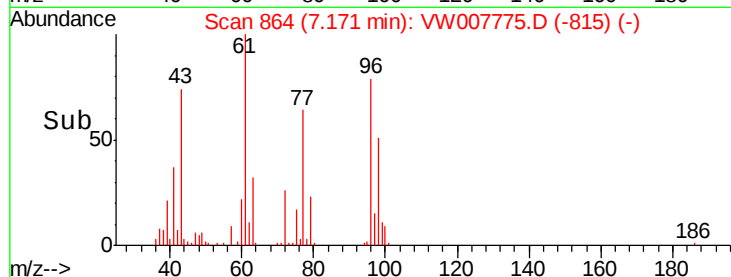
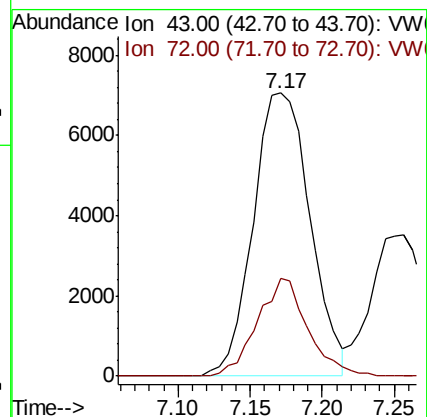
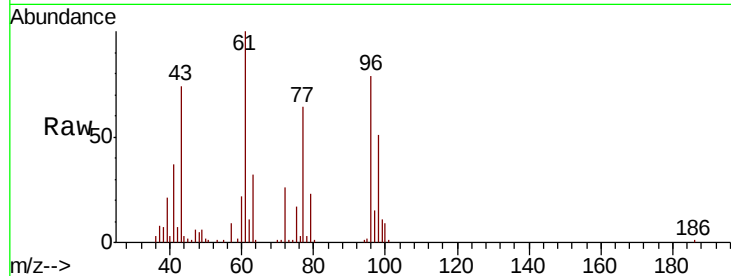
VW1222SBSD02

Tot Ion: 43 Resp: 19368

Ion Ratio Lower Upper

43 100

72 34.6 24.5 36.7



#26

2,2-Dichloropropane

Concen: 19.571 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007775.D

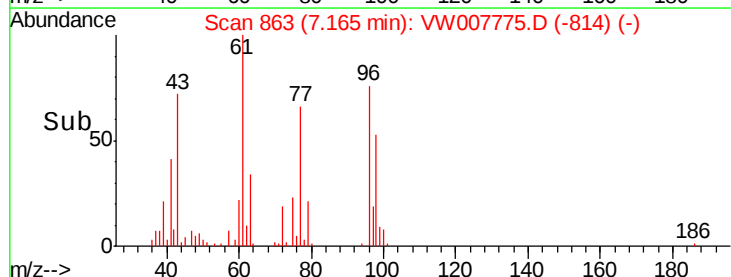
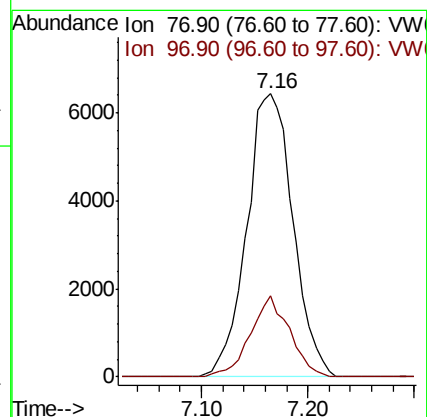
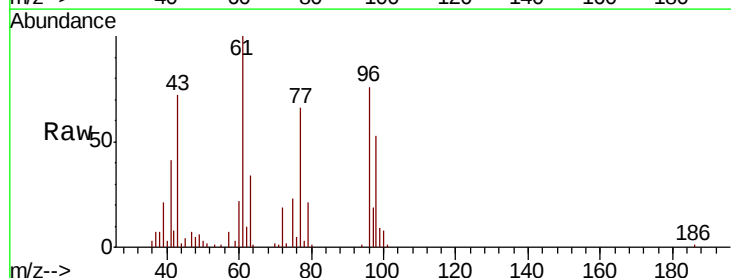
Acq: 21 Dec 2018 06:04

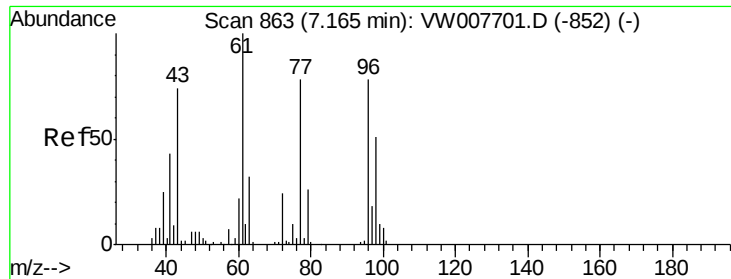
Tgt Ion: 77 Resp: 19535

Ion Ratio Lower Upper

77 100

97 24.3 11.3 33.9



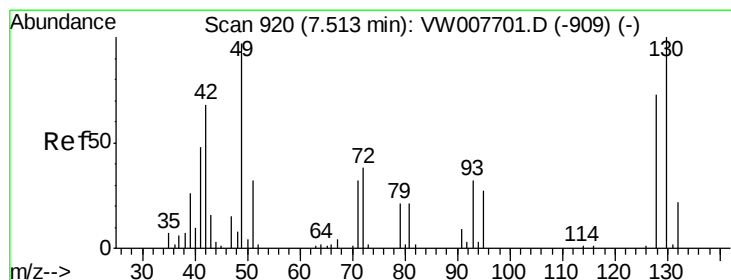
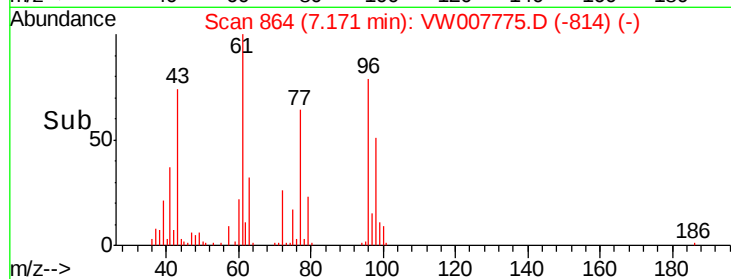
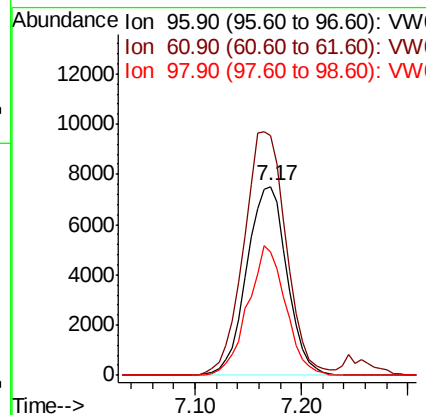
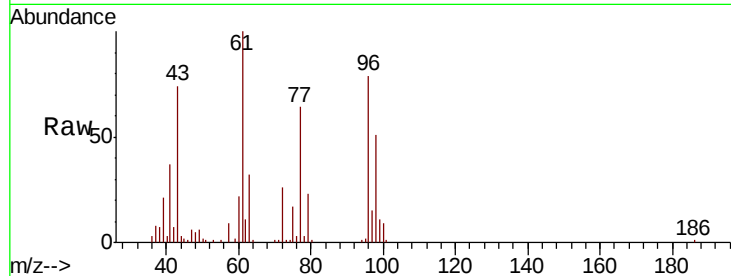


#27

cis-1,2-Dichloroethene
 Concen: 22.574 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS02

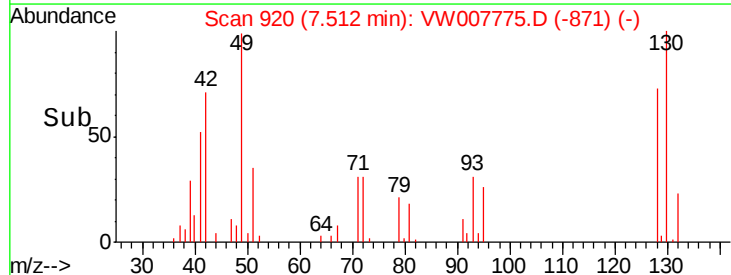
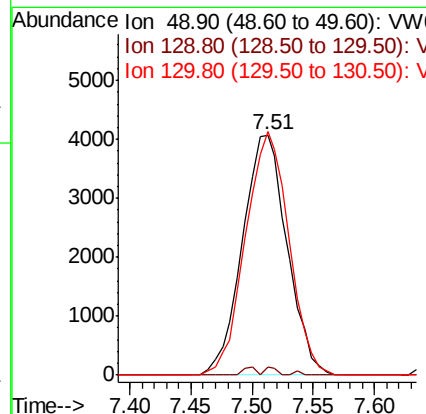
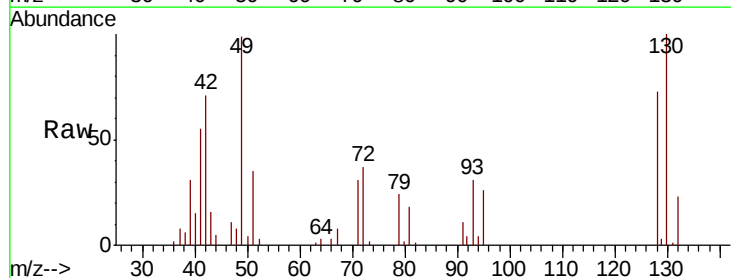
Tot Ion: 96 Resp: 19973
 Ion Ratio Lower Upper
 96 100
 61 135.5 0.0 271.6
 98 64.0 0.0 131.2

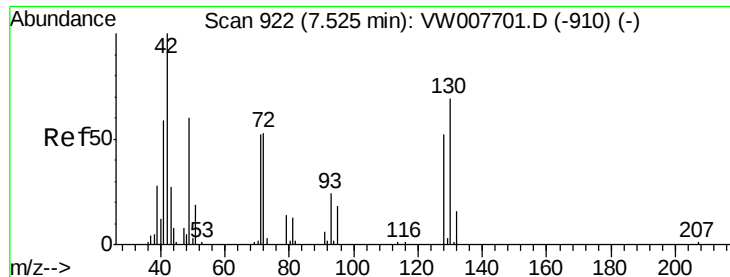


#28

Bromochloromethane
 Concen: 22.235 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion: 49 Resp: 10341
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 2.2
 130 98.3 81.5 122.3

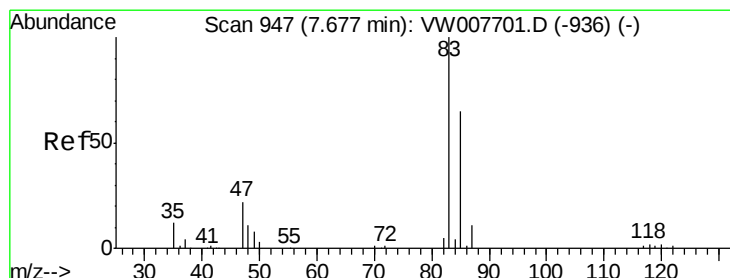
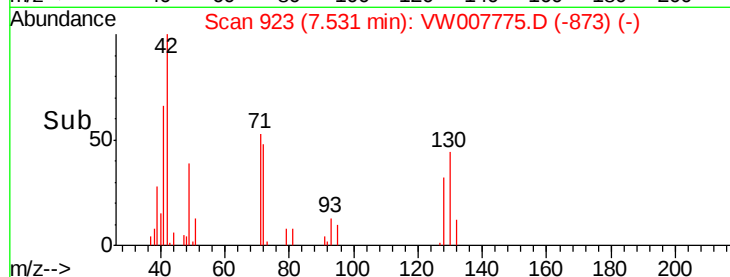
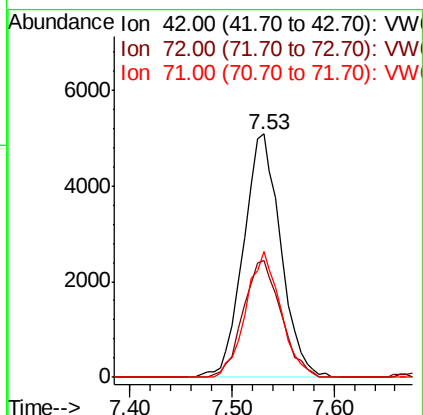
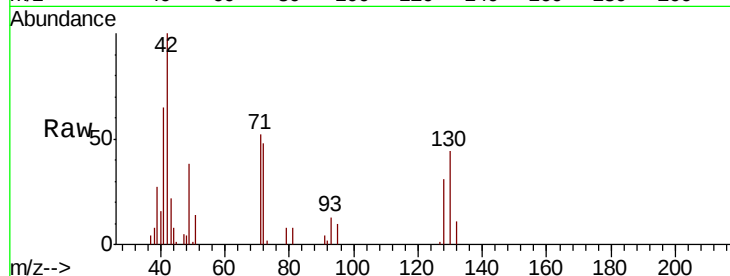




#29
Tetrahydrofuran
Concen: 118.007 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

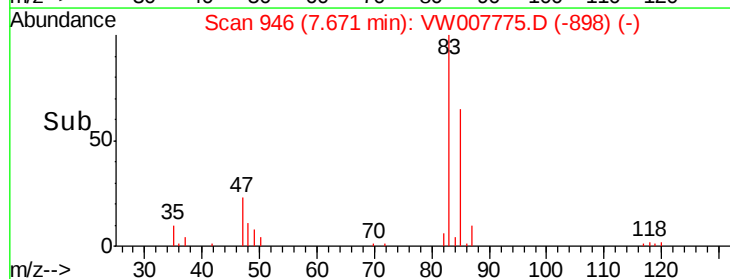
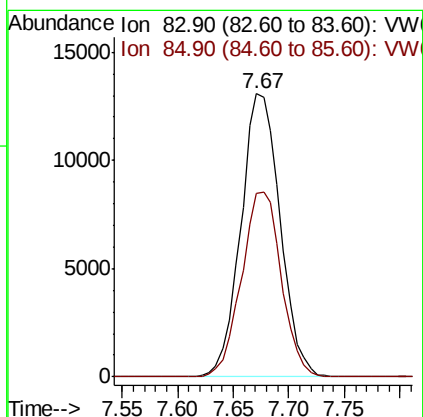
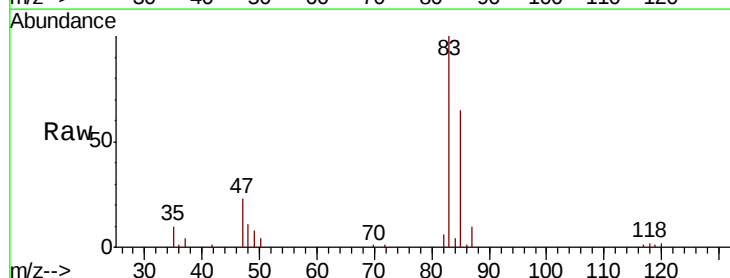
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

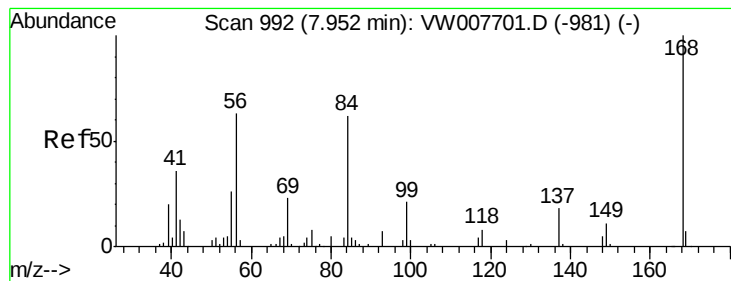
Tot Ion: 42 Resp: 12951
Ion Ratio Lower Upper
42 100
72 48.7 41.7 62.5
71 48.2 39.0 58.6



#30
Chloroform
Concen: 20.782 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 83 Resp: 32080
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.2





#31

Cyclohexane

Concen: 20.966 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS02

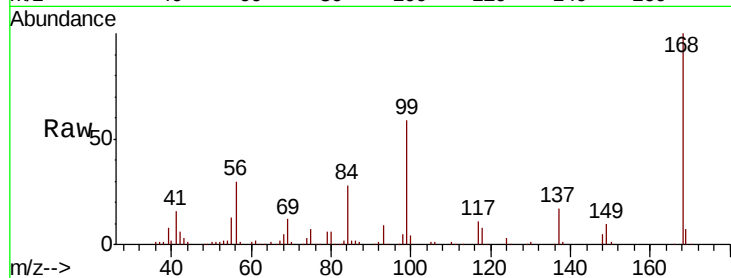
Tot Ion: 56 Resp: 26181

Ion Ratio Lower Upper

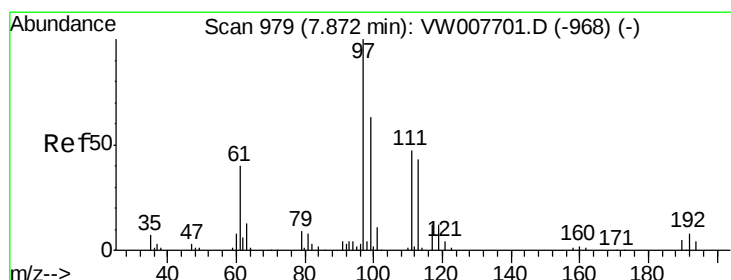
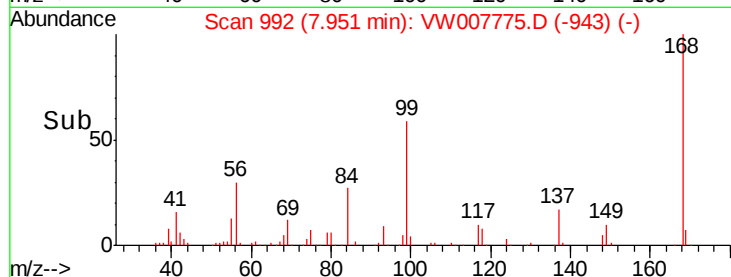
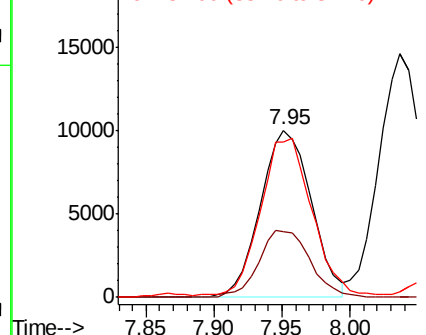
56 100

69 39.3 29.7 44.5

84 91.8 78.9 118.3



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: 20.607 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

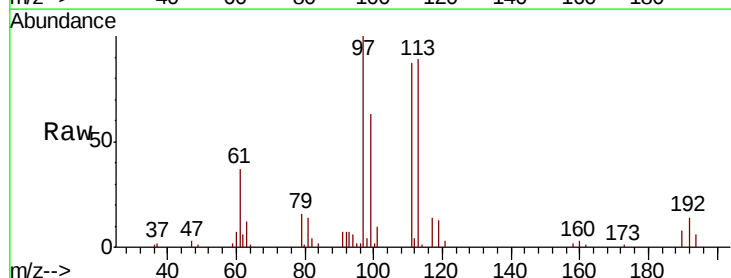
Tgt Ion: 97 Resp: 28971

Ion Ratio Lower Upper

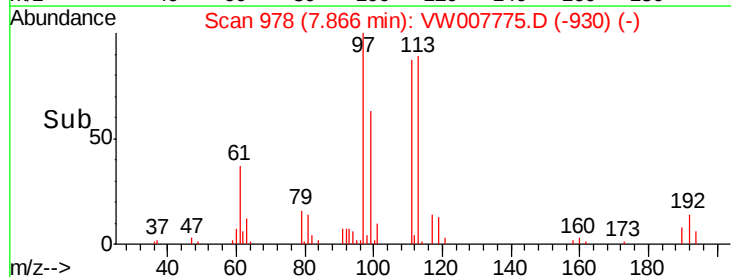
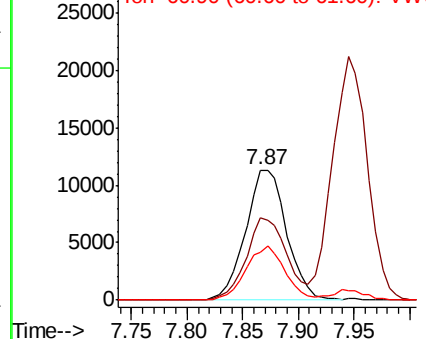
97 100

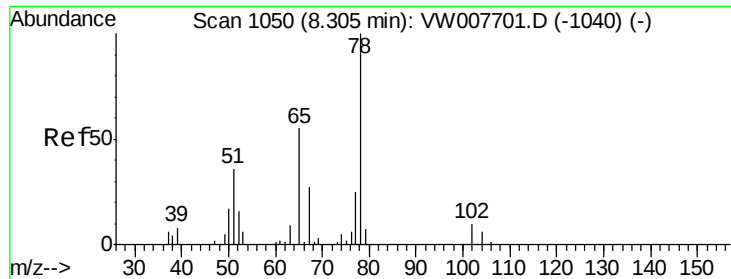
99 62.8 50.6 76.0

61 39.5 32.3 48.5



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

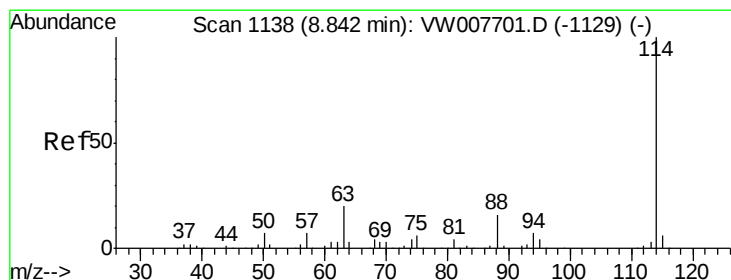
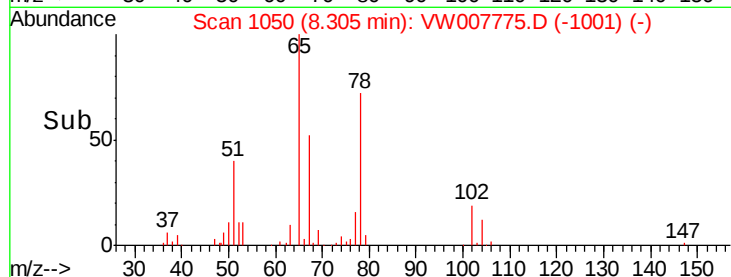
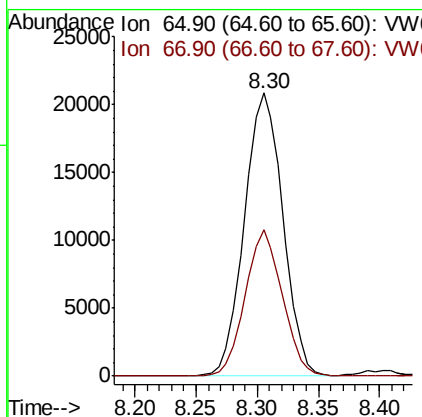
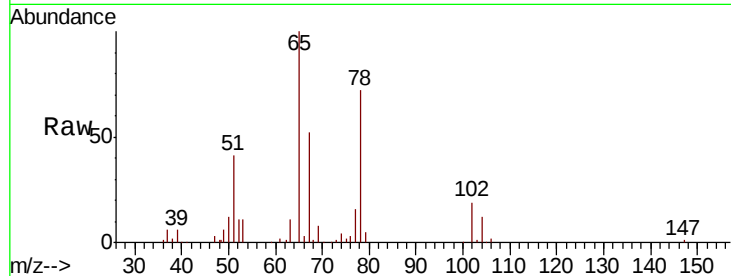




#33
 1,2-Dichloroethane-d4
 Concen: 54.589 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

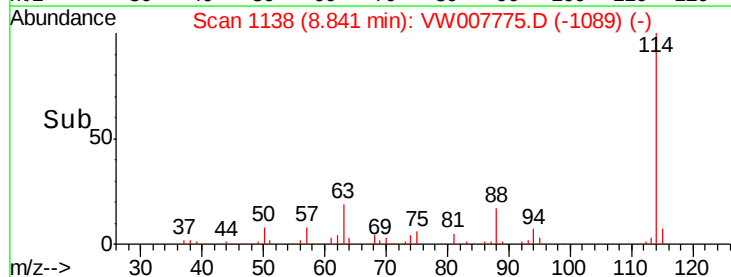
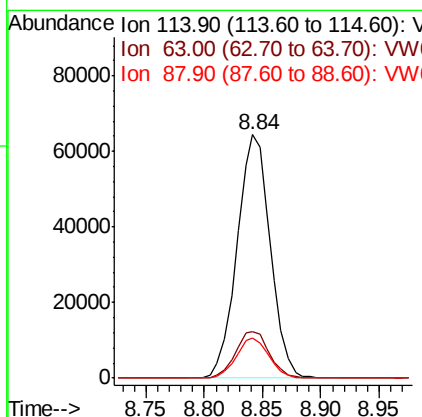
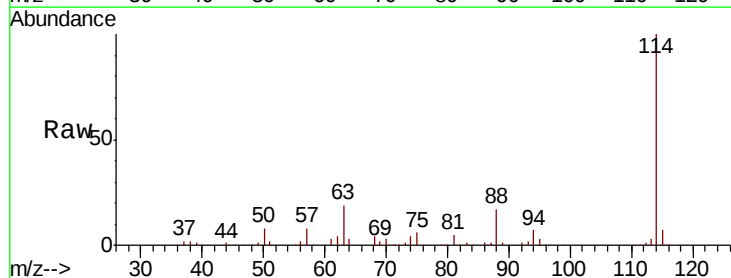
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS02

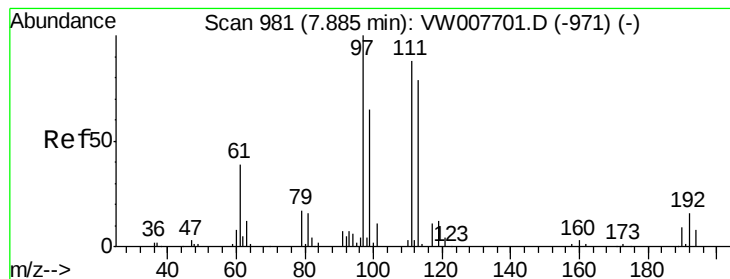
Tot Ion: 65 Resp: 45792
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion: 114 Resp: 127449
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.152 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBSD02

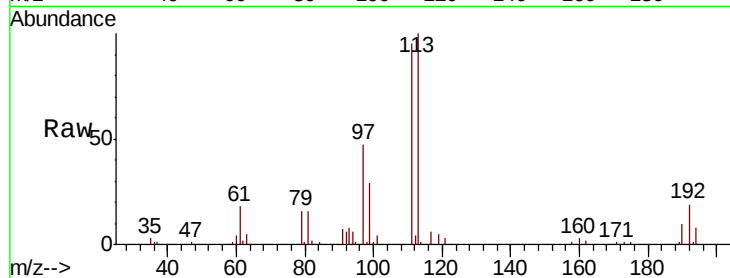
Tot Ion:113 Resp: 42881

Ion Ratio Lower Upper

113 100

111 99.8 82.6 124.0

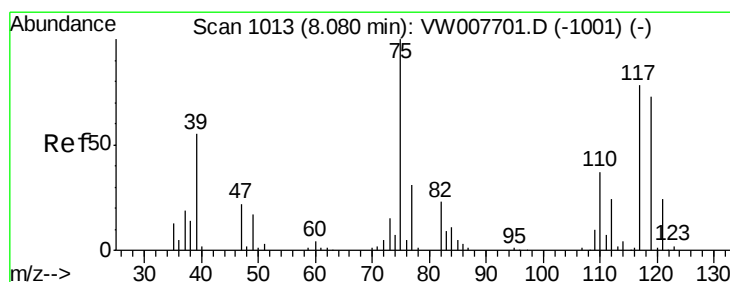
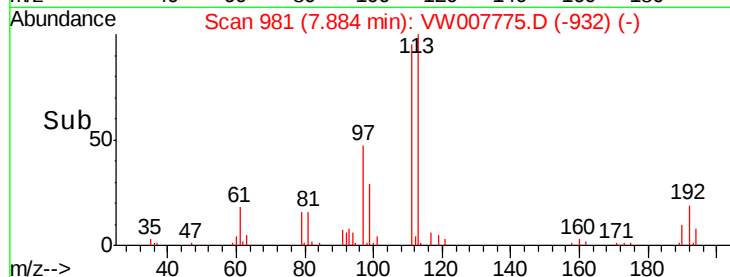
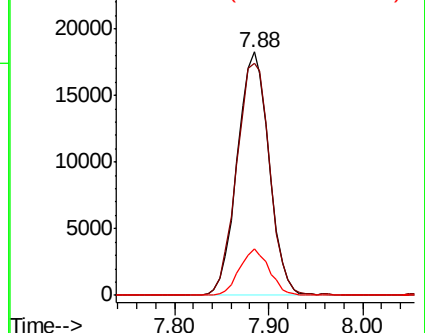
192 18.1 15.5 23.3



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: 20.053 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

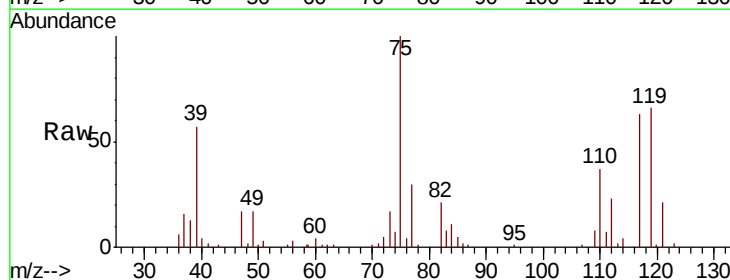
Tgt Ion: 75 Resp: 24668

Ion Ratio Lower Upper

75 100

110 36.2 18.6 55.8

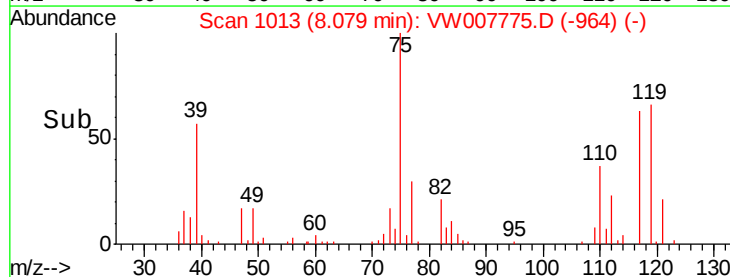
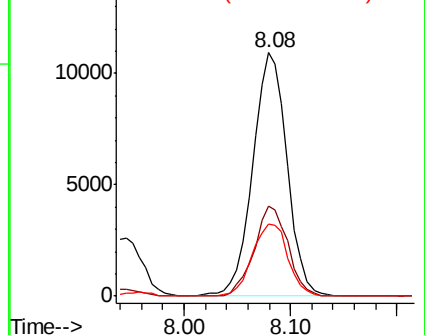
77 31.0 25.0 37.4

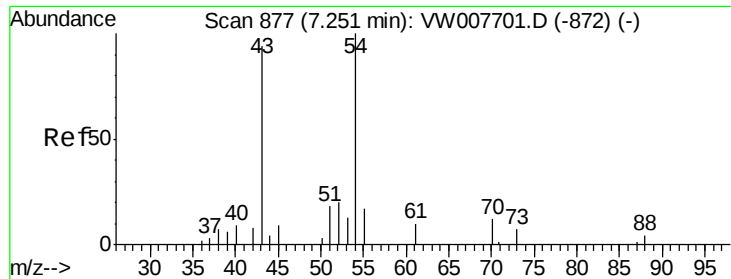


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

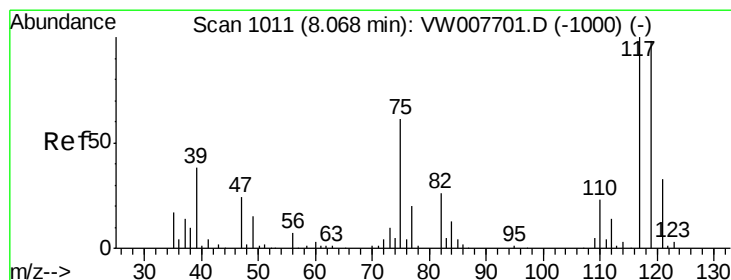
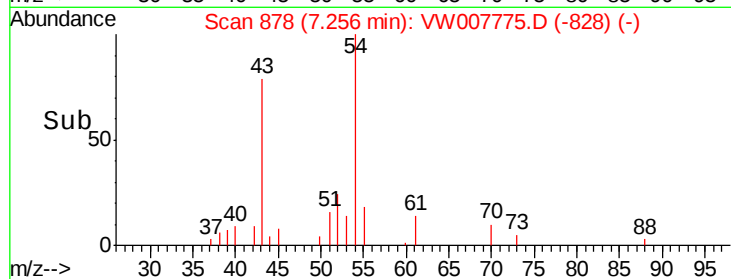
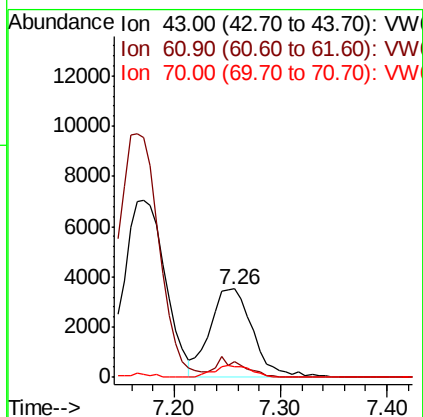
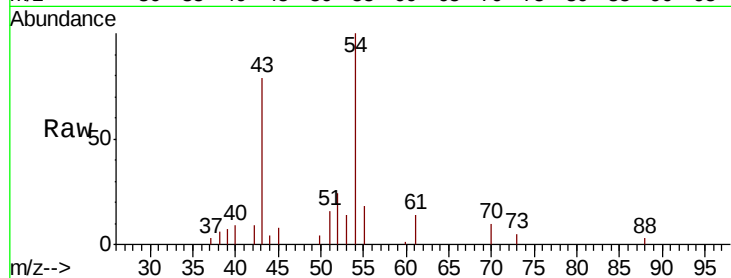




#37
Ethyl Acetate
Concen: 23.355 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

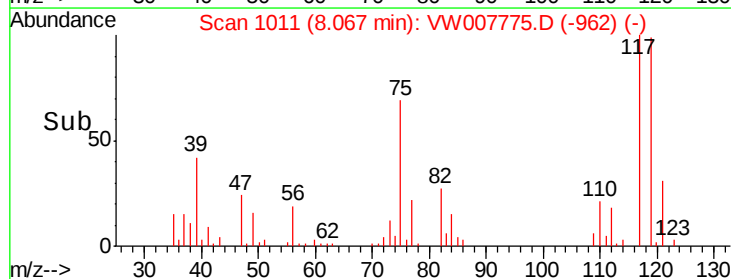
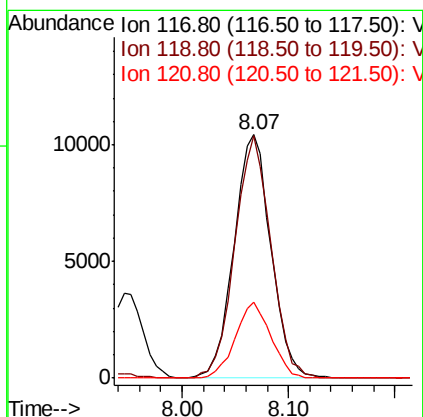
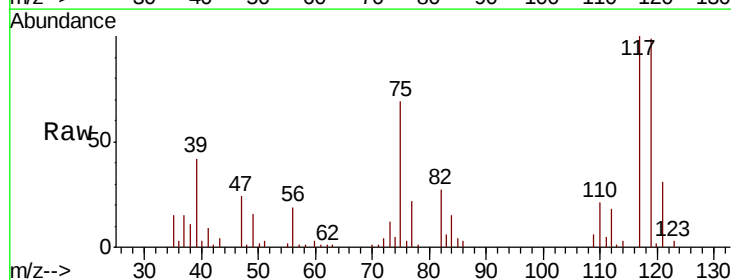
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS02

Tot Ion: 43 Resp: 9915
Ion Ratio Lower Upper
43 100
61 14.6 11.2 16.8
70 11.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 17.541 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 117 Resp: 25411
Ion Ratio Lower Upper
117 100
119 99.5 78.2 117.2
121 31.1 26.1 39.1

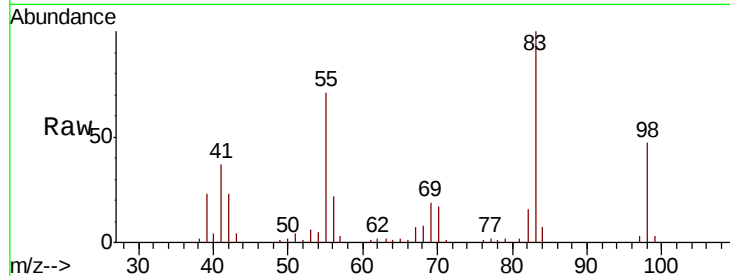




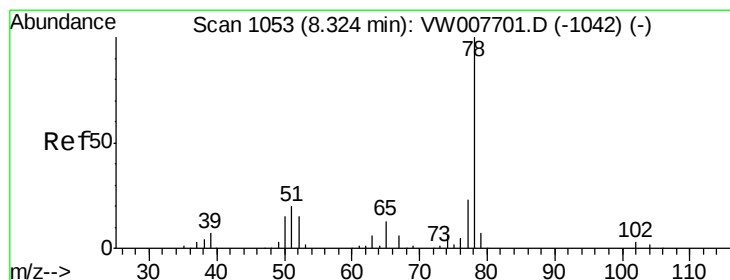
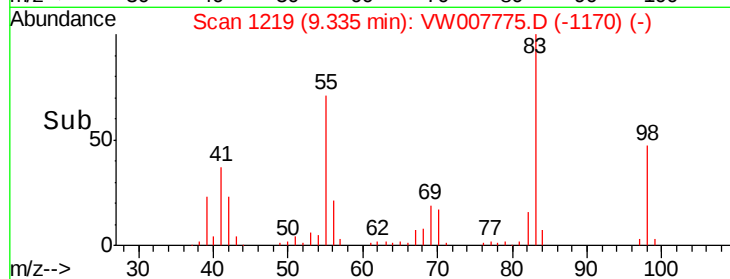
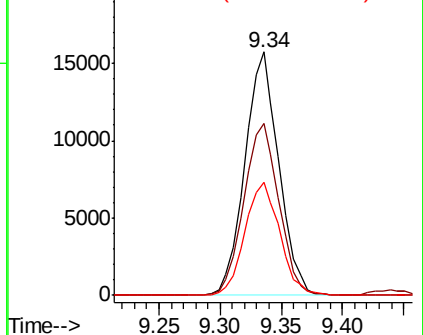
#39
Methvlcvclohexane
Concen: 19.815 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS02

Tot Ion: 83 Resp: 30288
Ion Ratio Lower Upper
83 100
55 70.5 57.2 85.8
98 46.6 38.6 58.0

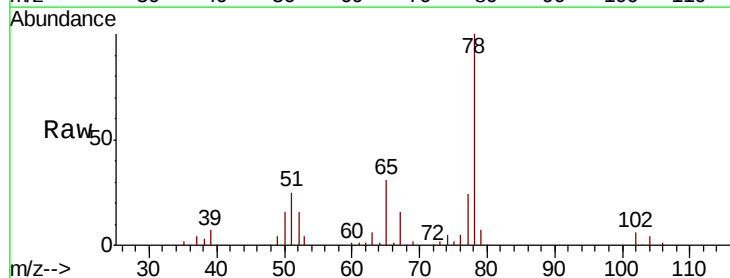


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

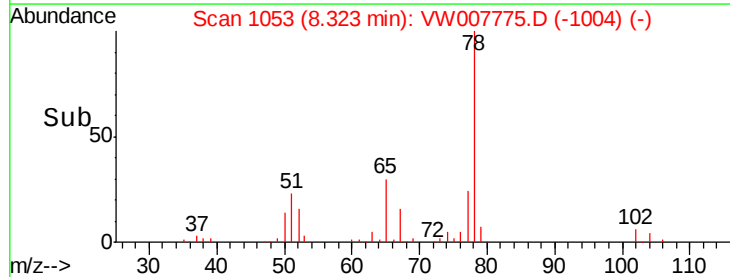
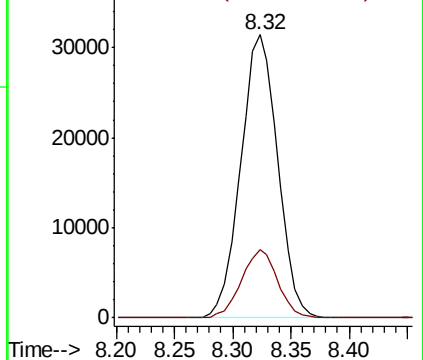


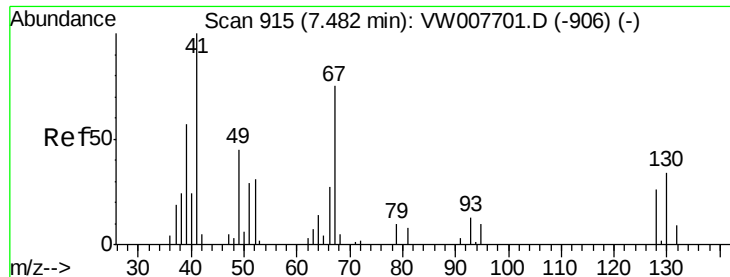
#40
Benzene
Concen: 21.140 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 78 Resp: 69392
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

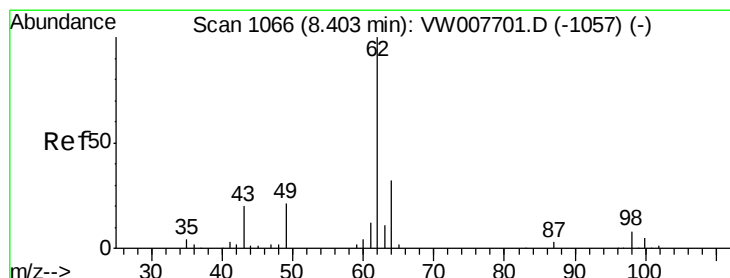
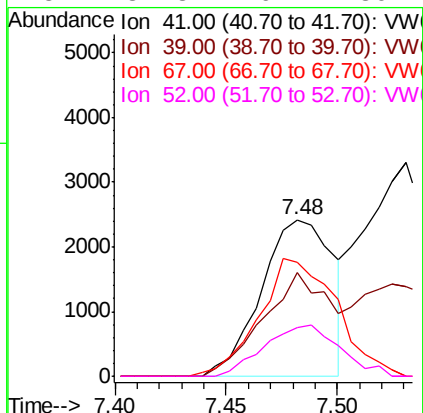
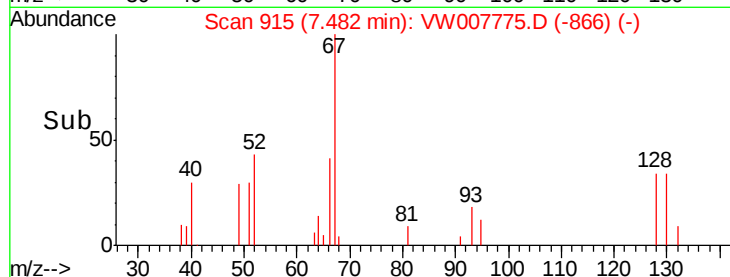
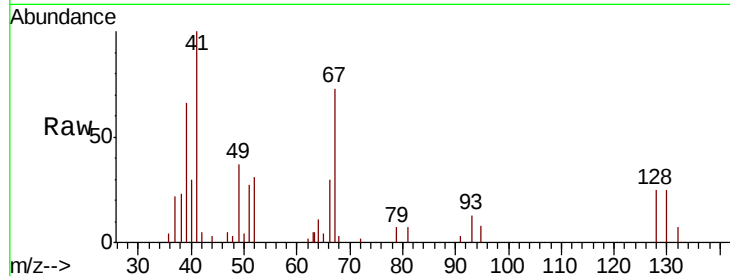




#41
Methacrylonitrile
Concen: 22.483 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

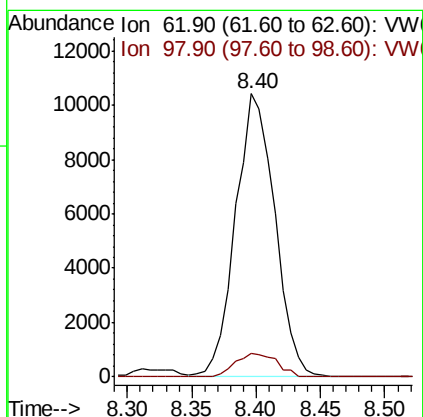
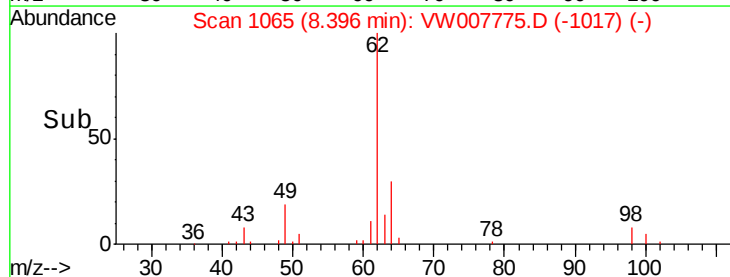
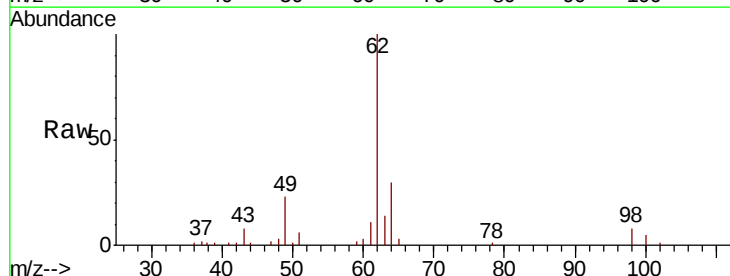
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS02

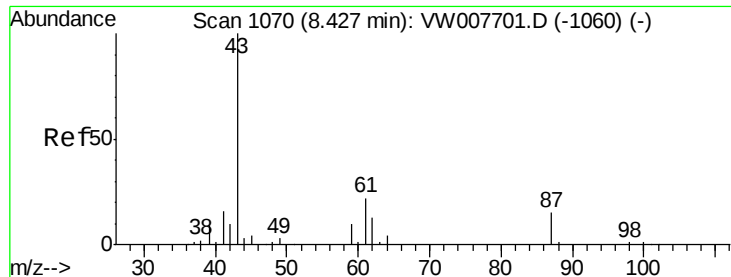
Tot Ion:	41	Resp:	5419
Ion	Ratio	Lower	Upper
41	100		
39	61.0	54.2	81.4
67	80.8	65.7	98.5
52	34.3	26.2	39.4



#42
1,2-Dichloroethane
Concen: 20.056 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:	62	Resp:	22062
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6



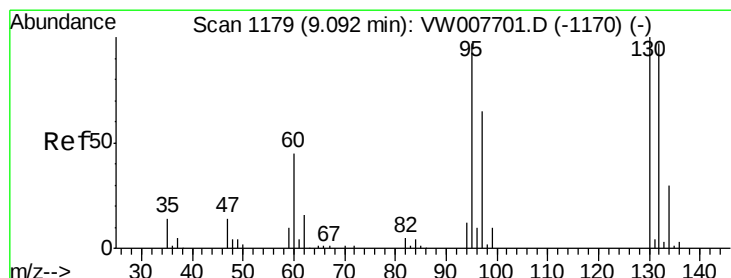
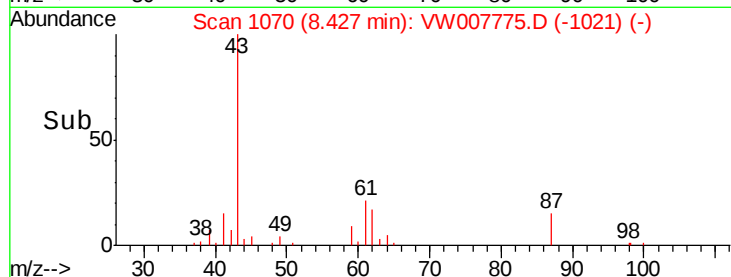
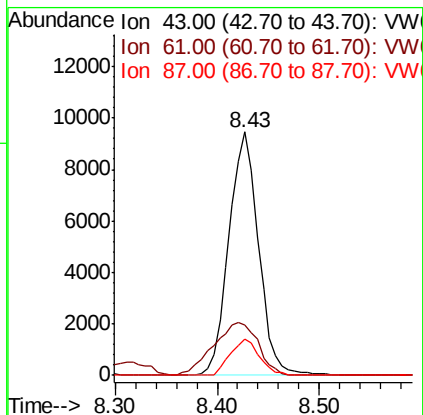
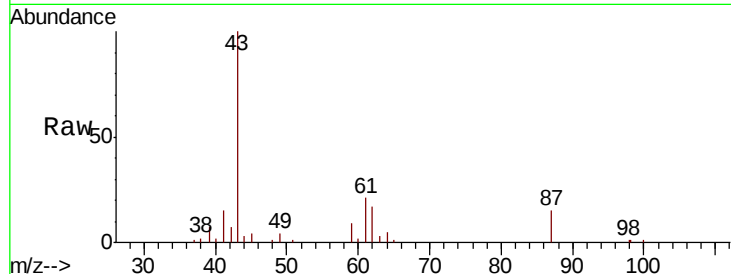


#43

Isopropyl Acetate
 Concen: 22.327 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS02

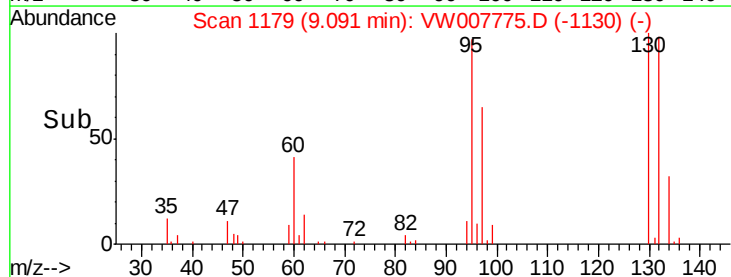
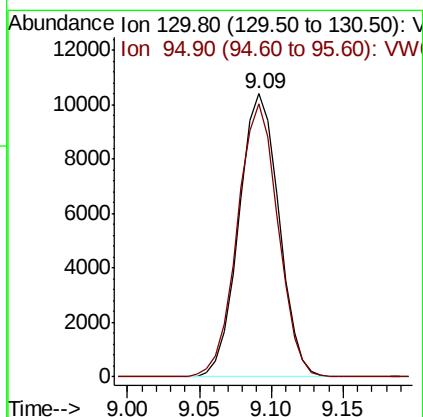
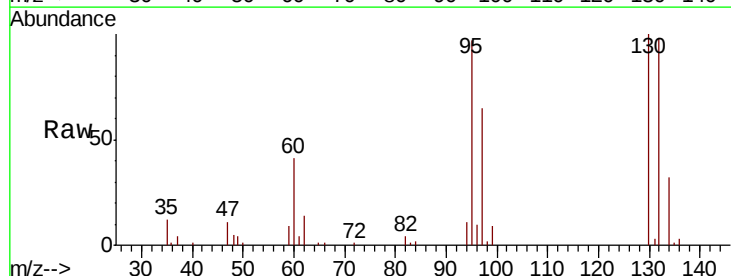
Tot Ion	43	Resp	18990
Ion Ratio	Lower	Upper	
43	100		
61	32.6	26.3	39.5
87	14.6	12.0	18.0

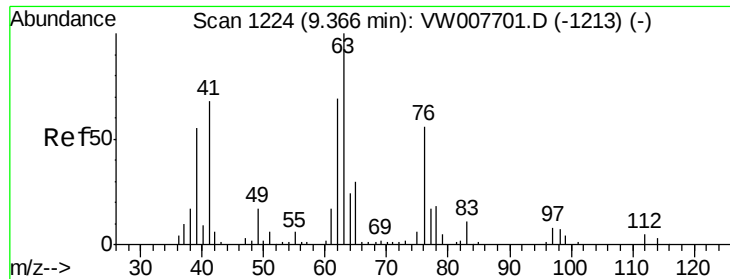


#44

Trichloroethene
 Concen: 20.258 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion	130	Resp	20110
Ion Ratio	Lower	Upper	
130	100		
95	96.7	0.0	194.8

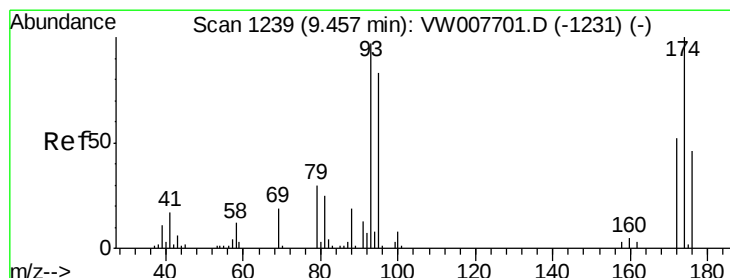
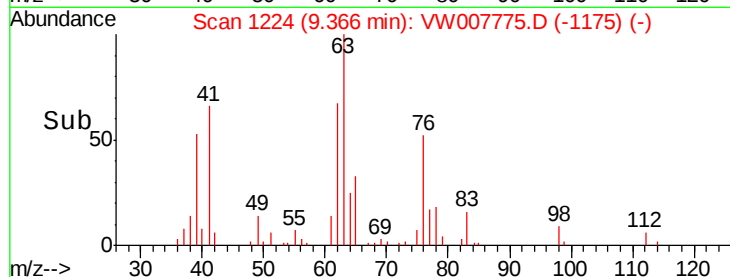
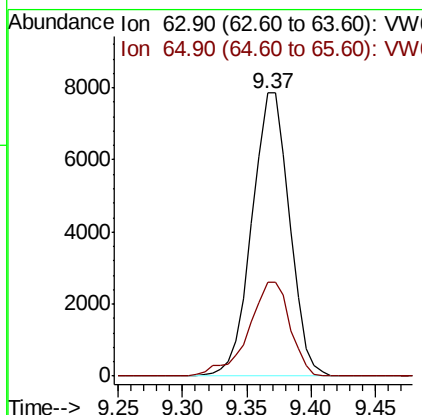
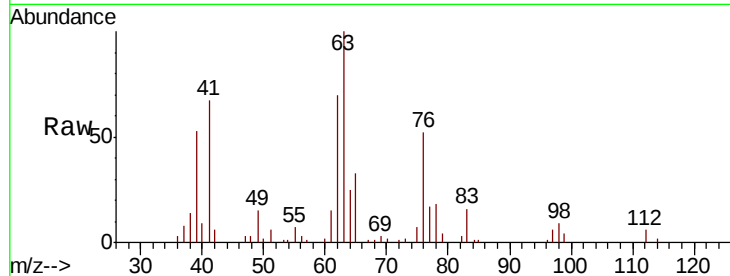




#45
 1,2-Dichloropropane
 Concen: 21.797 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

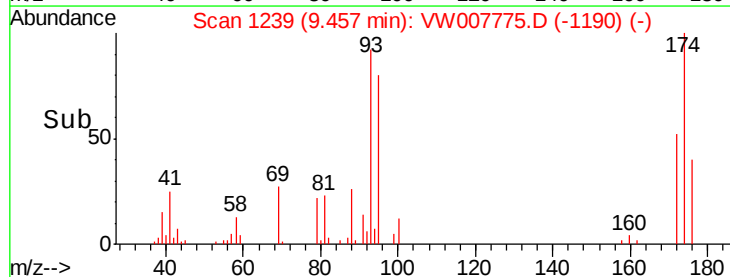
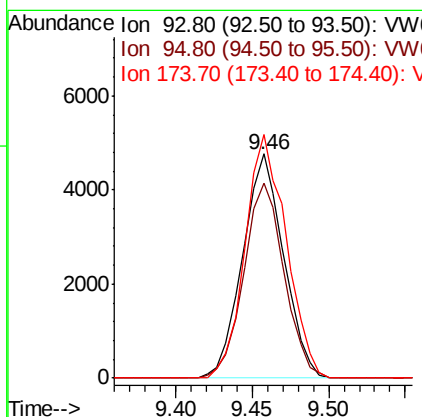
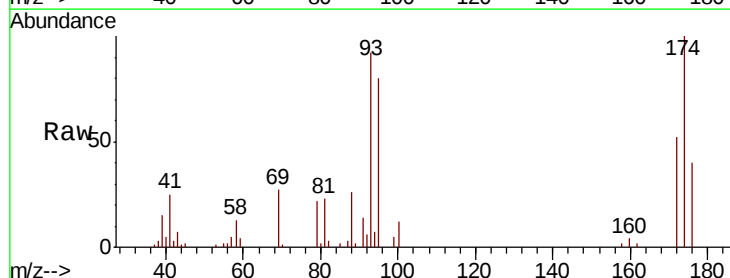
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBSD02

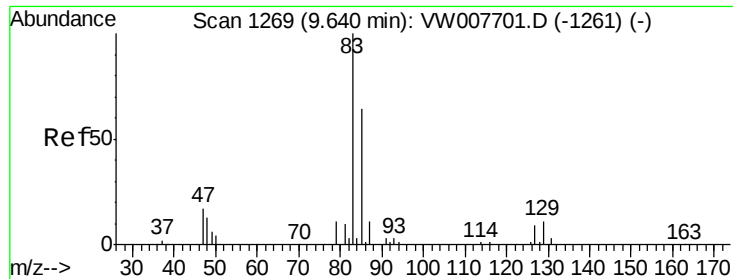
Tot Ion: 63 Resp: 15876
 Ion Ratio Lower Upper
 63 100
 65 33.0 23.8 35.8



#46
 Dibromomethane
 Concen: 19.730 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion: 93 Resp: 8846
 Ion Ratio Lower Upper
 93 100
 95 86.1 67.5 101.3
 174 109.0 83.9 125.9





#47

Bromodichloromethane

Concen: 19.787 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBSD02

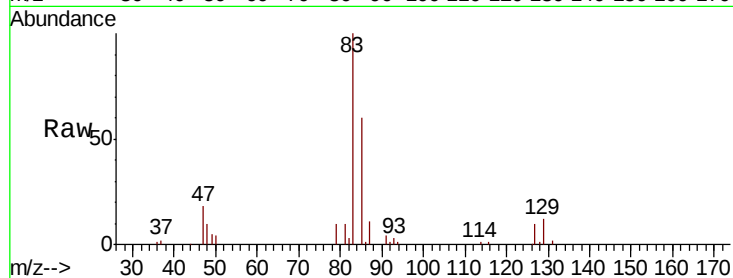
Tot Ion: 83 Resp: 23323

Ion Ratio Lower Upper

83 100

85 60.4 51.4 77.0

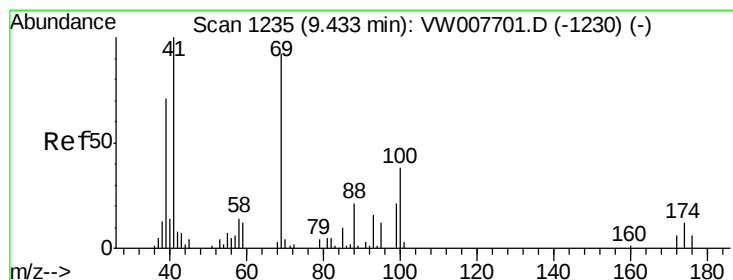
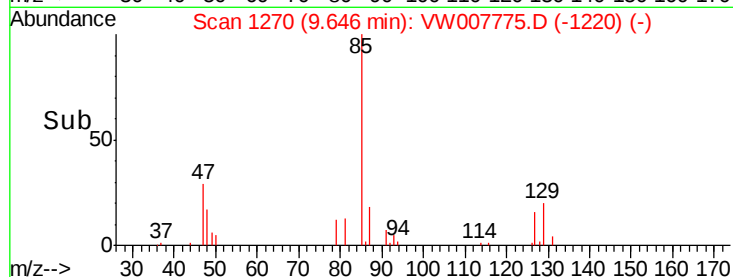
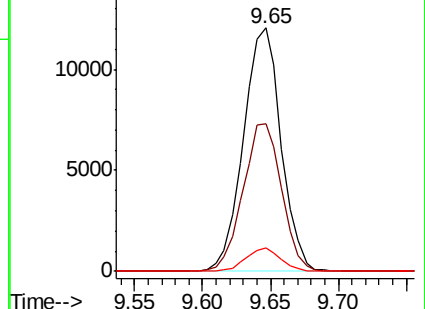
127 9.6 7.5 11.3



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: 22.057 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

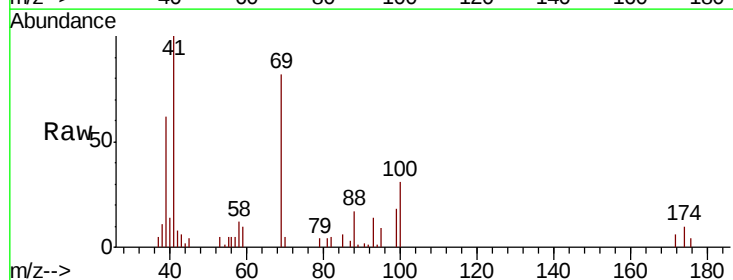
Tgt Ion: 41 Resp: 9364

Ion Ratio Lower Upper

41 100

69 90.0 74.2 111.2

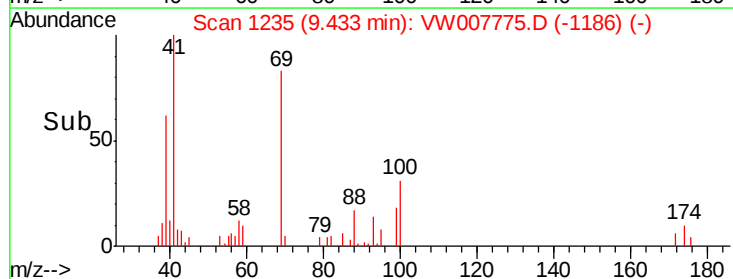
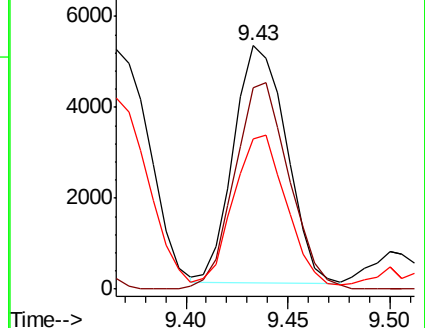
39 66.8 53.9 80.9

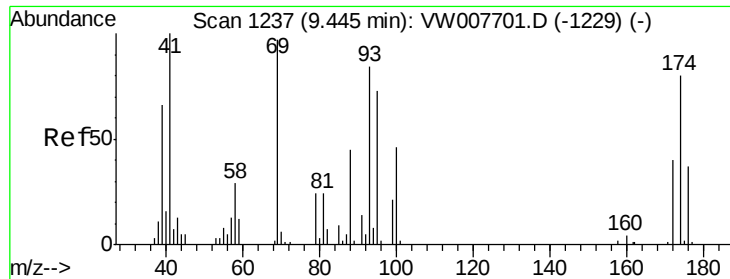


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

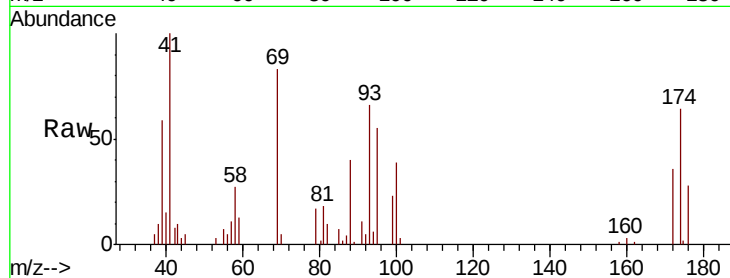




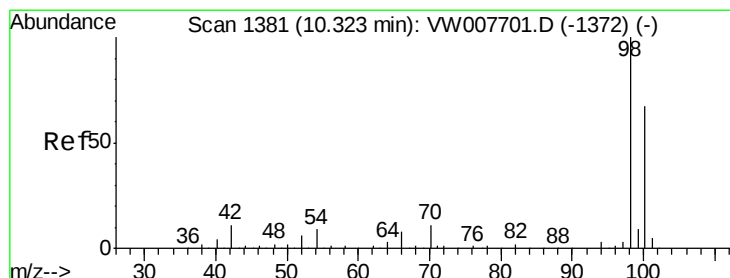
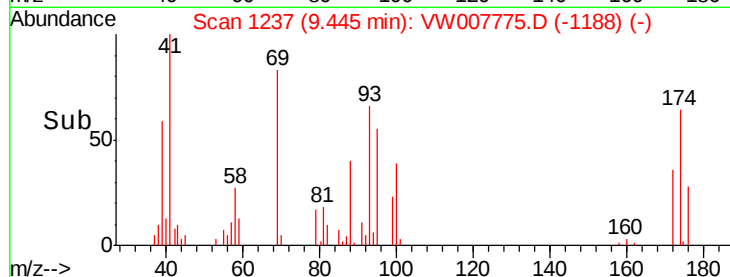
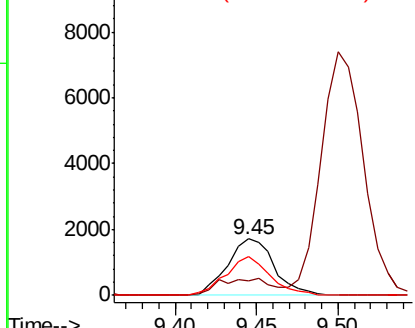
#49
1,4-Dioxane
Concen: 475.625 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Tot Ion: 88 Resp: 3381
Ion Ratio Lower Upper
88 100
43 36.1 25.6 38.4
58 65.2 52.3 78.5

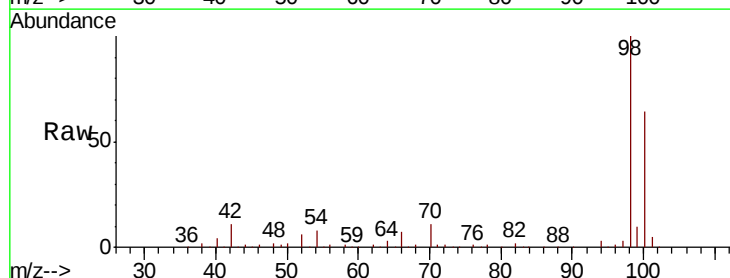


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

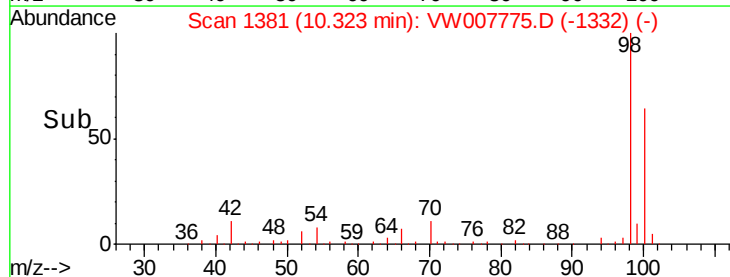
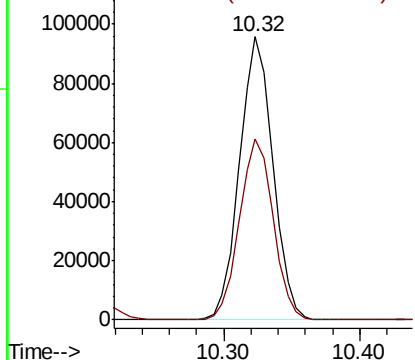


#50
Toluene-d8
Concen: 55.940 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 98 Resp: 163965
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



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: 109.365 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

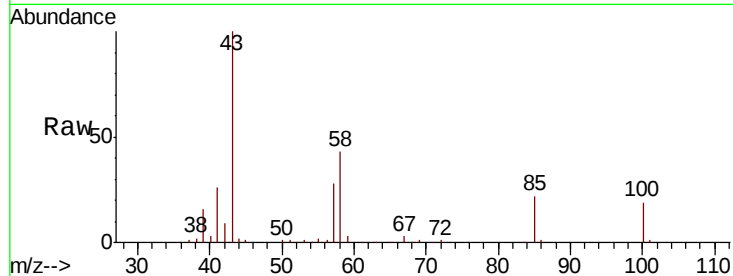
VW1222SBS02

Tot Ion: 43 Resp: 43960

Ion Ratio Lower Upper

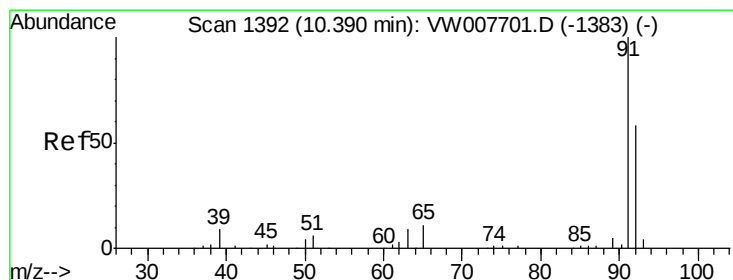
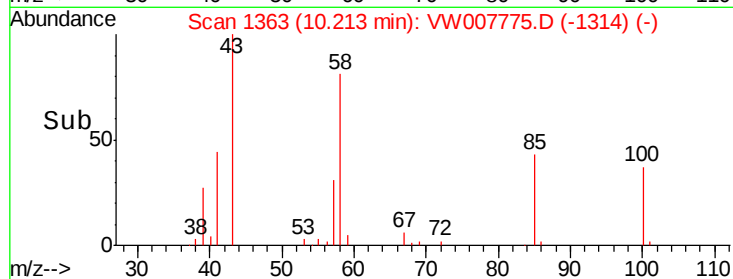
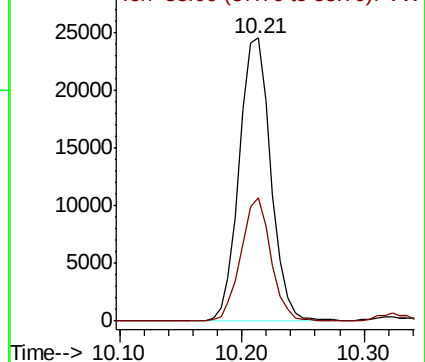
43 100

58 41.5 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.466 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007775.D

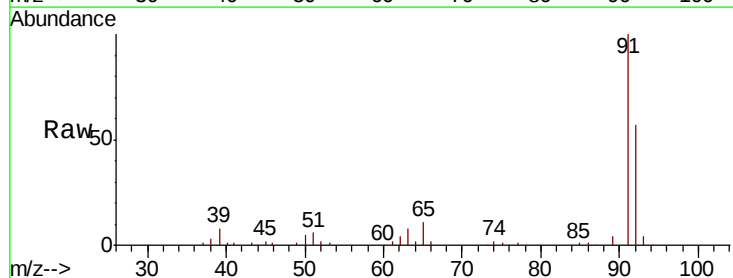
Acq: 21 Dec 2018 06:04

Tgt Ion: 92 Resp: 47275

Ion Ratio Lower Upper

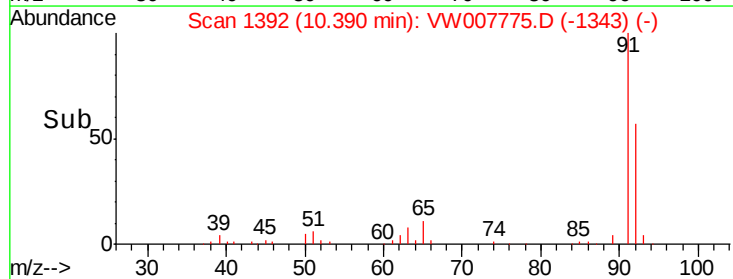
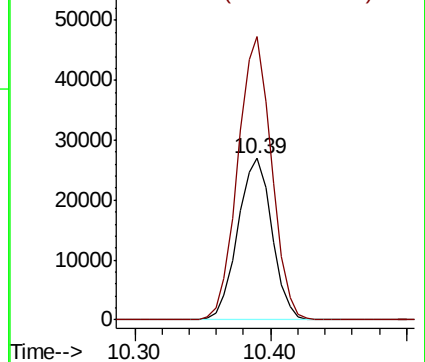
92 100

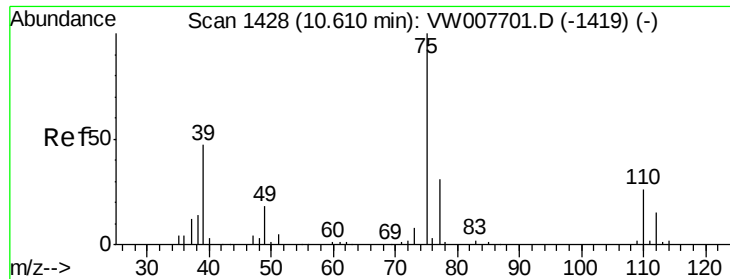
91 173.2 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.471 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

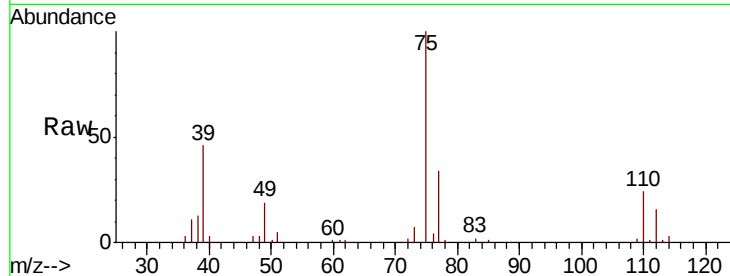
VW1222SBSD02

Tot Ion: 75 Resp: 24001

Ion Ratio Lower Upper

75 100

77 33.7 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

15000

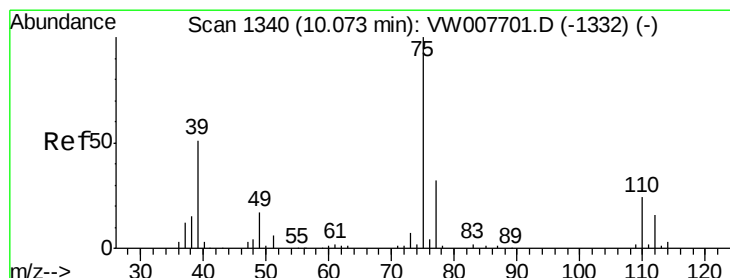
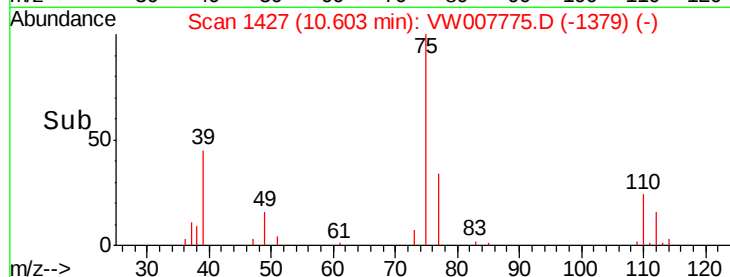
10000

5000

0

Time-->

10.55 10.60 10.65



#54

cis-1,3-Dichloropropene

Concen: 21.022 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

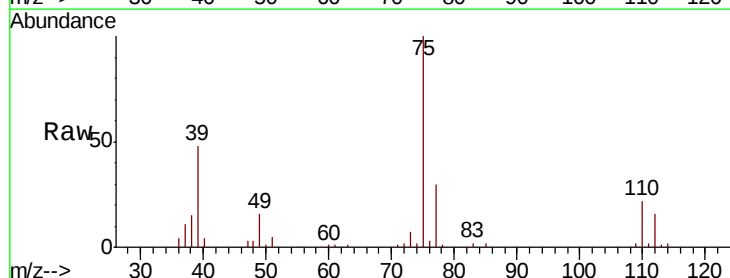
Tgt Ion: 75 Resp: 27224

Ion Ratio Lower Upper

75 100

77 29.9 25.5 38.3

39 48.2 41.2 61.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

20000

15000

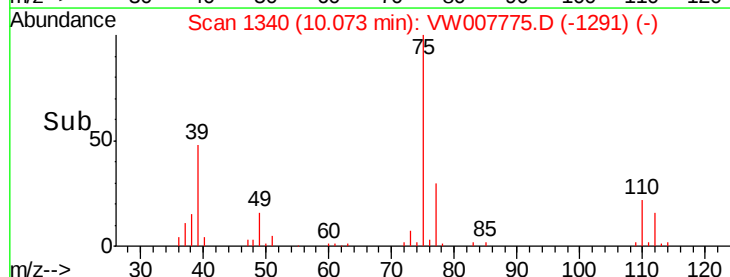
10000

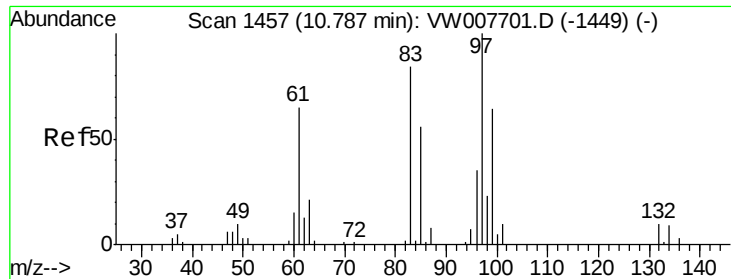
5000

0

Time-->

10.00 10.05 10.10 10.15

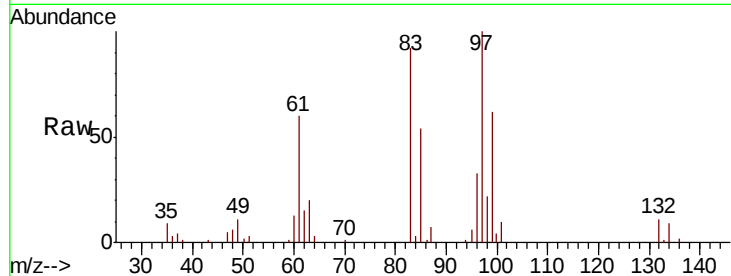




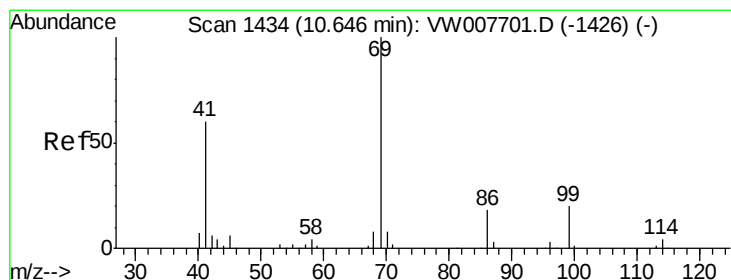
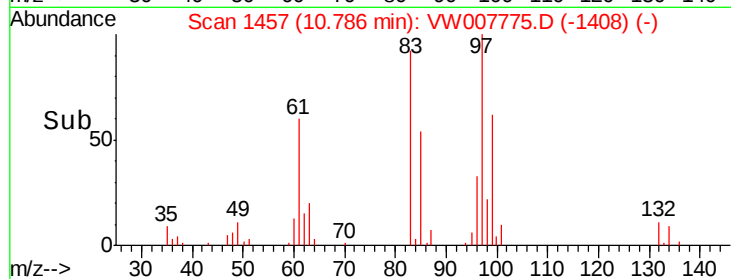
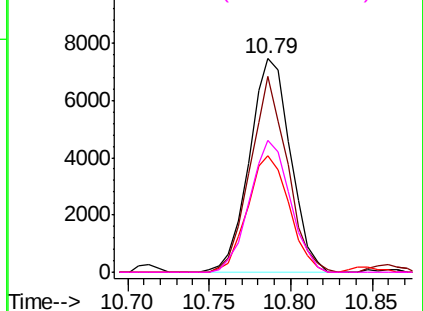
#55
1,1,2-Trichloroethane
Concen: 21.115 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Tot Ion:	97	Resp:	13051
Ion	Ratio	Lower	Upper
97	100		
83	92.0	67.5	101.3
85	54.3	44.8	67.2
99	61.6	51.0	76.4

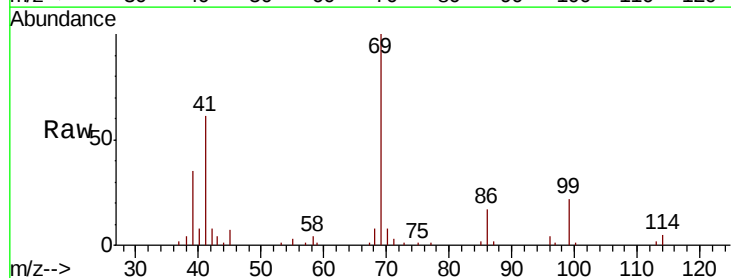


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

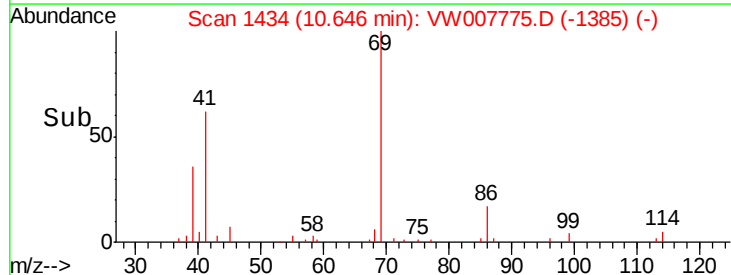
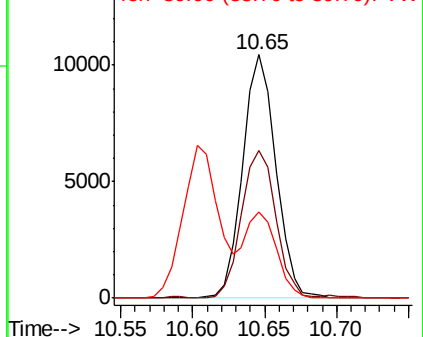


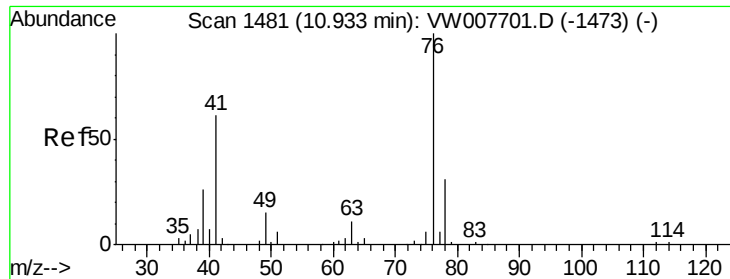
#56
Ethyl methacrylate
Concen: 22.750 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:	69	Resp:	16614
Ion	Ratio	Lower	Upper
69	100		
41	63.3	48.9	73.3
39	34.8	31.3	46.9



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: 21.618 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

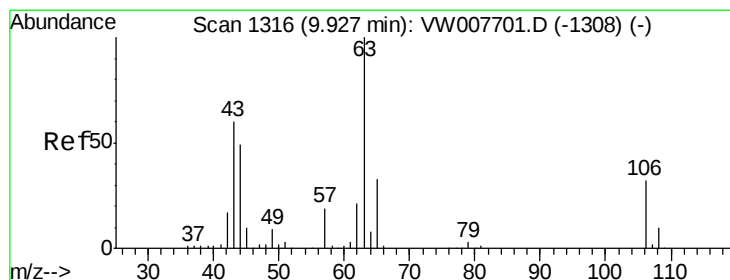
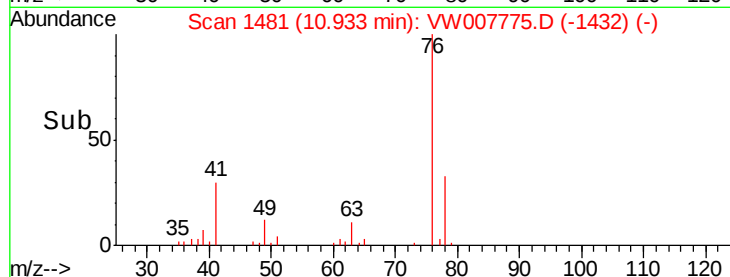
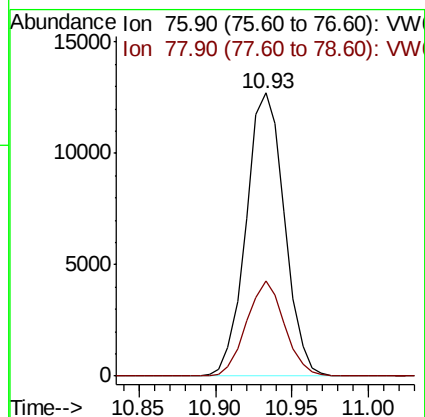
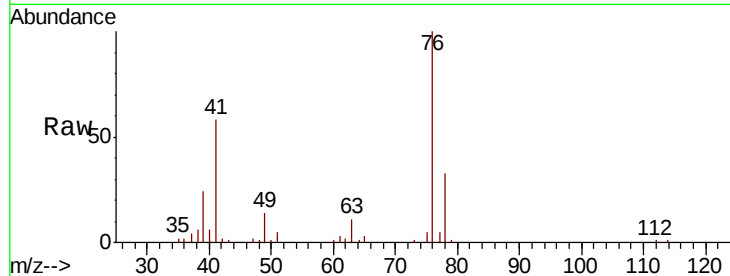
VW1222SBSD02

Tot Ion: 76 Resp: 22188

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 124.391 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007775.D

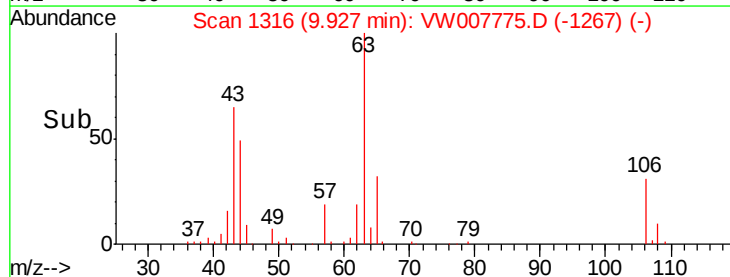
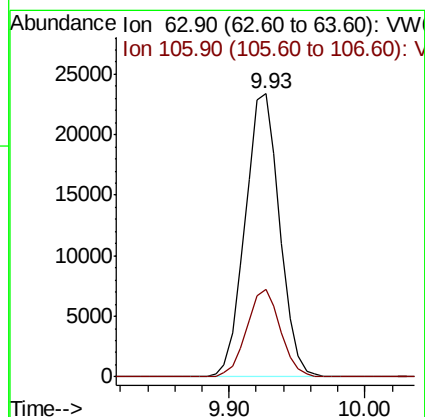
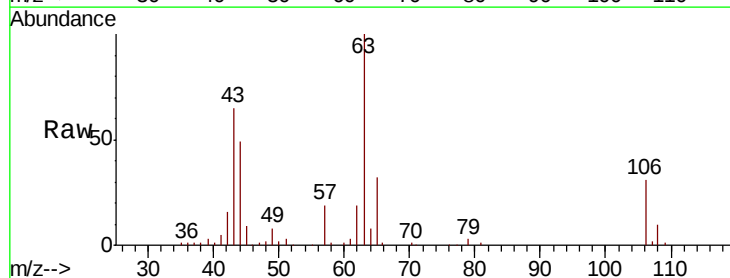
Acq: 21 Dec 2018 06:04

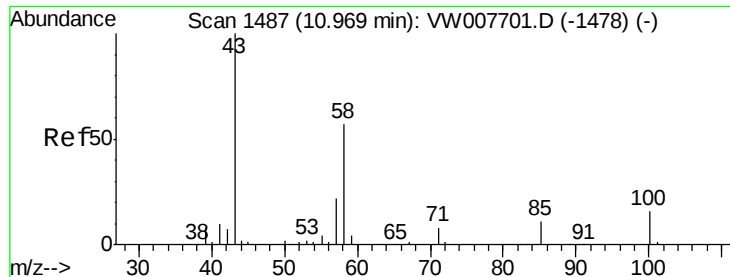
Tgt Ion: 63 Resp: 41476

Ion Ratio Lower Upper

63 100

106 30.4 25.9 38.9

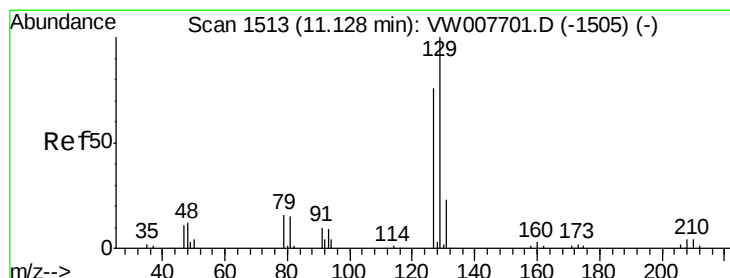
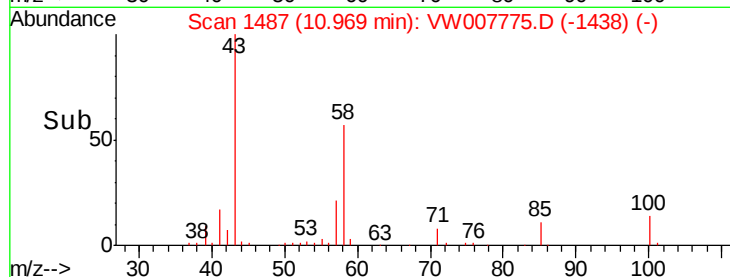
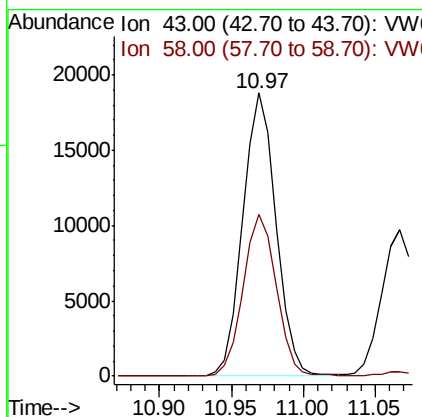
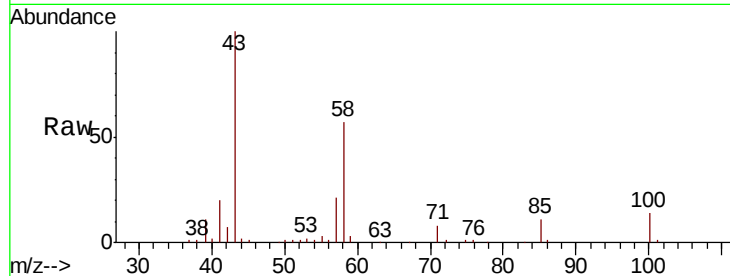




#59
2-Hexanone
Concen: 106.101 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

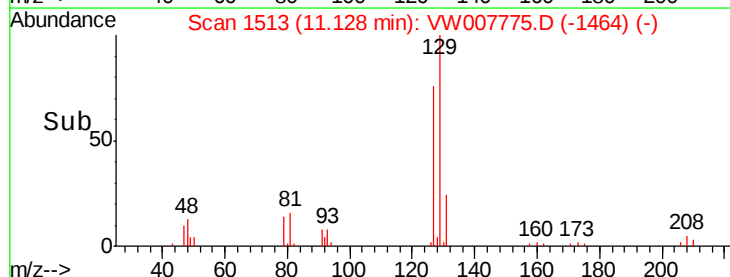
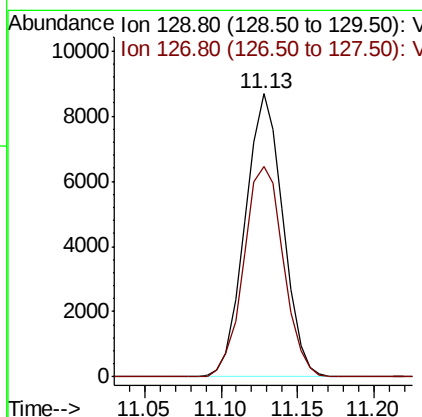
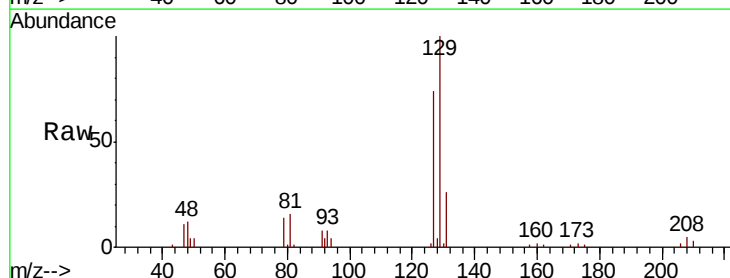
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Tot Ion: 43 Resp: 29993
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.1



#60
Dibromochloromethane
Concen: 18.243 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 129 Resp: 14930
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9

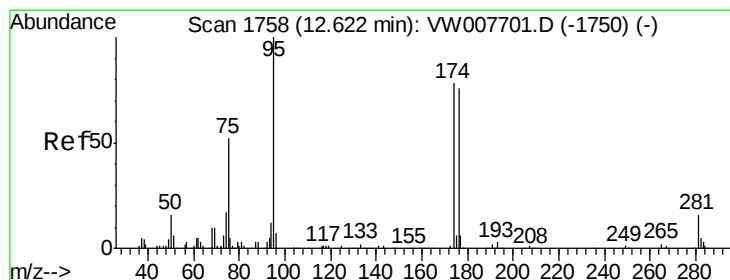
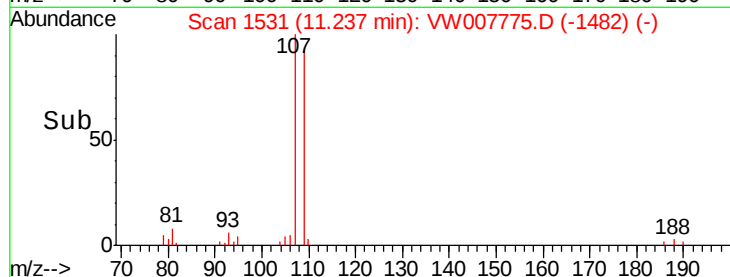
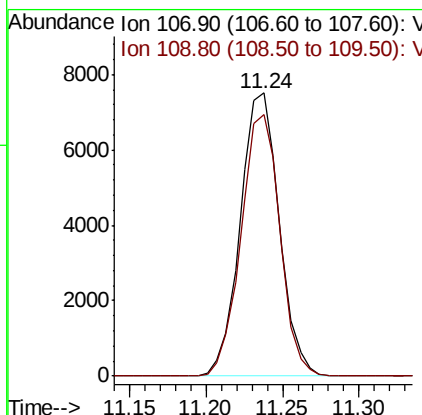
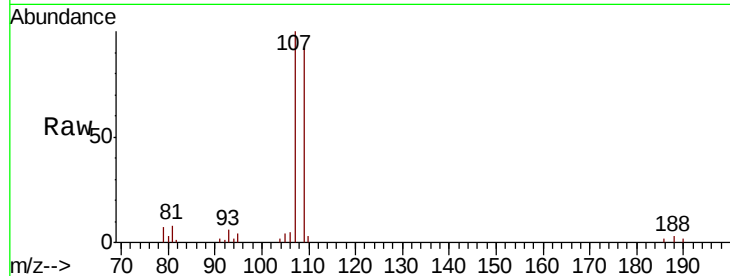




#61
 1,2-Dibromoethane
 Concen: 21.251 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

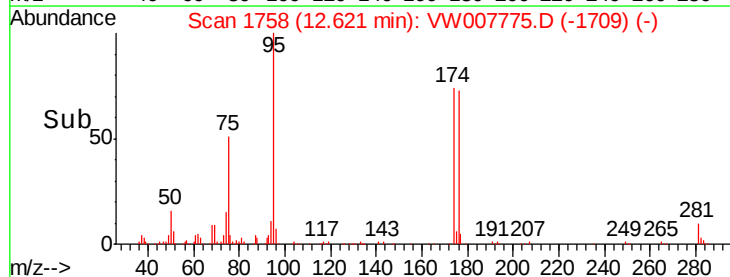
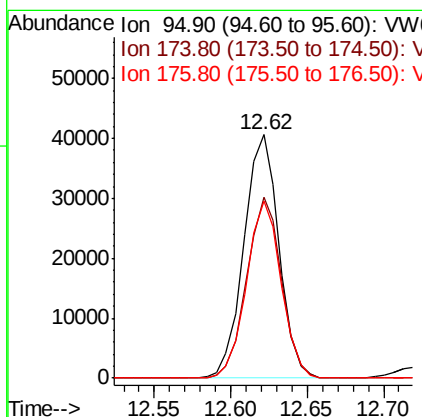
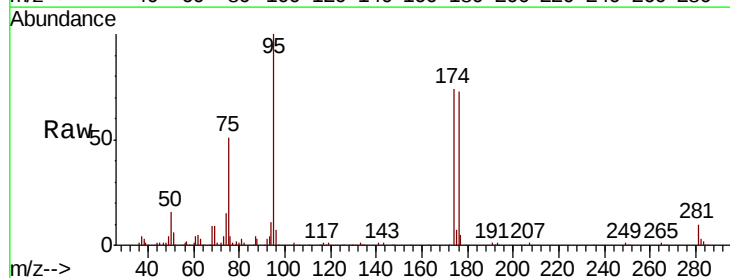
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBSD02

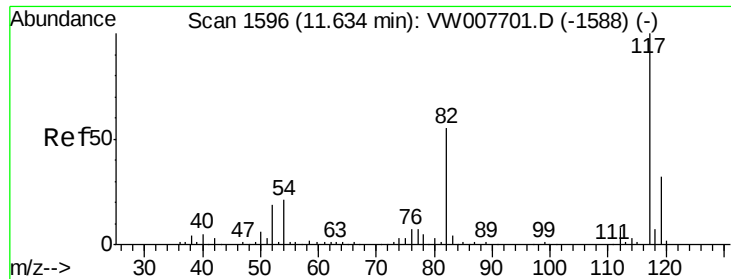
Tot Ion:107 Resp: 13302
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 56.853 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion: 95 Resp: 64377
 Ion Ratio Lower Upper
 95 100
 174 73.8 0.0 152.2
 176 72.1 0.0 146.8

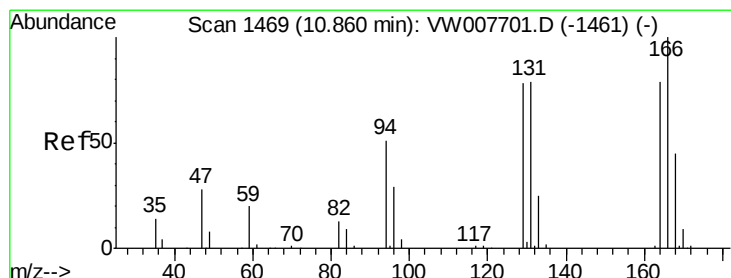
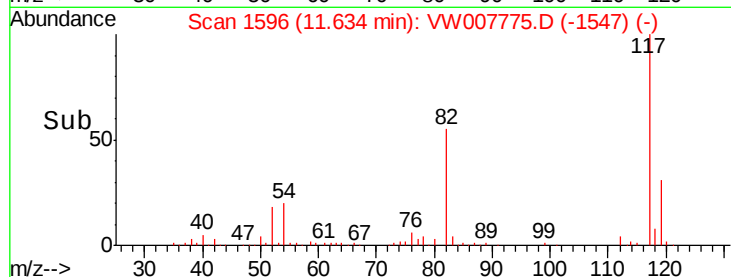
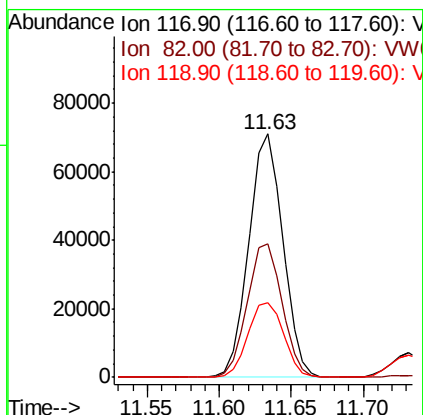
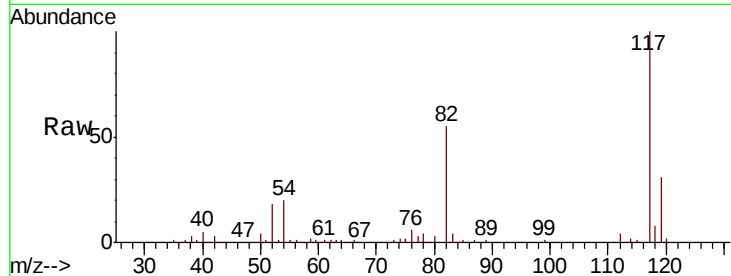




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

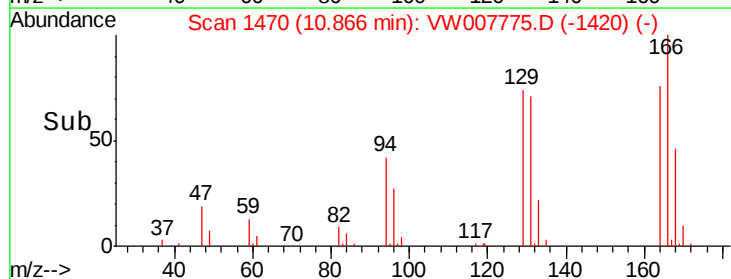
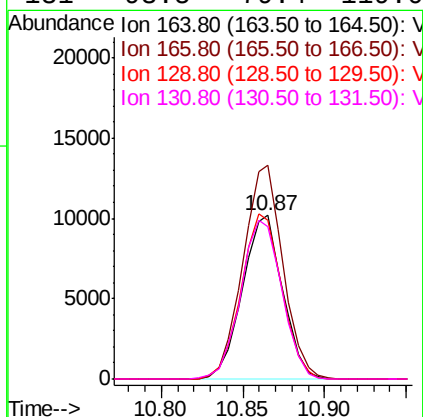
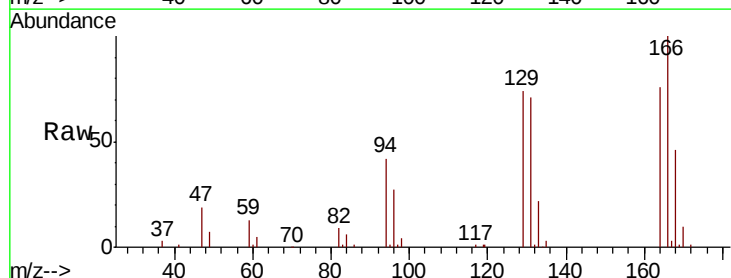
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

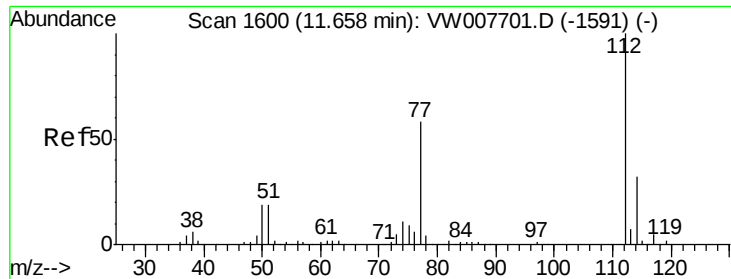
Tot Ion:117 Resp: 116063
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 30.7 25.7 38.5



#64
Tetrachloroethene
Concen: 21.138 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:164 Resp: 17373
Ion Ratio Lower Upper
164 100
166 130.7 101.0 151.6
129 97.1 78.7 118.1
131 93.5 79.4 119.0

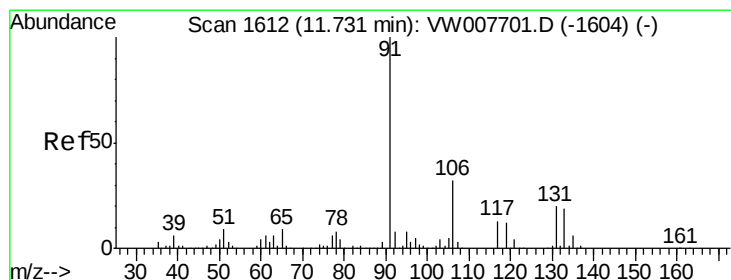
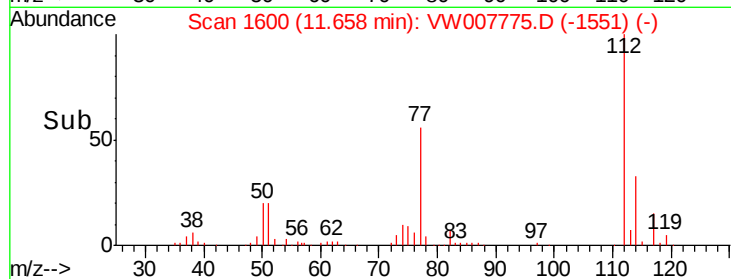
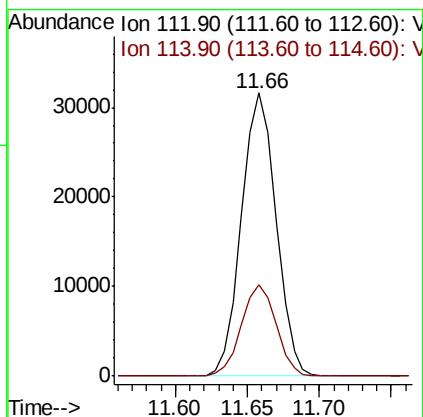
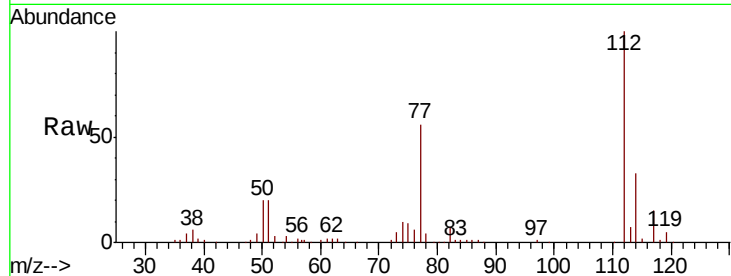




#65
Chlorobenzene
Concen: 20.973 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

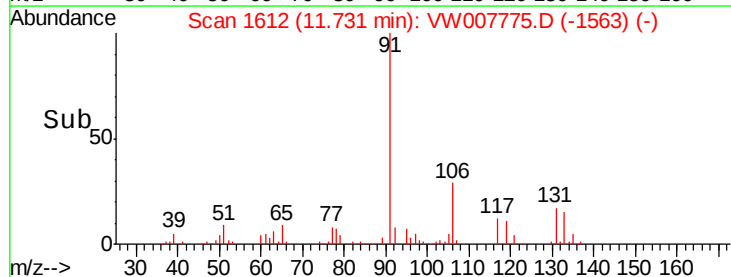
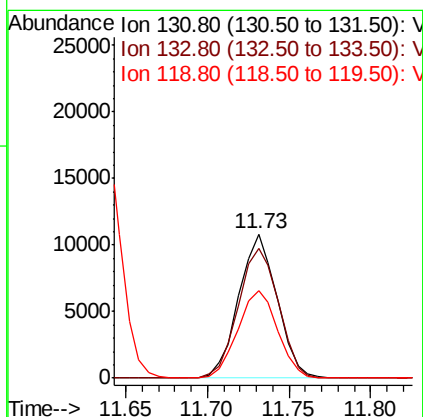
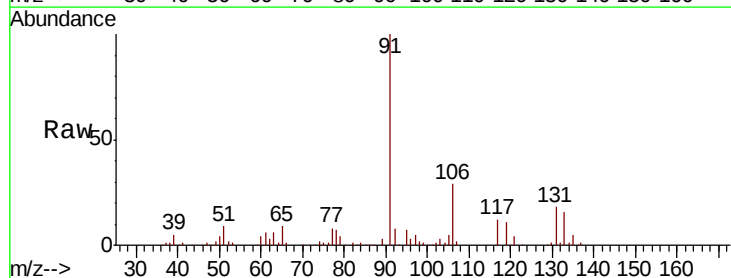
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Tot Ion:112 Resp: 52687
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.696 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:131 Resp: 17679
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 63.3 30.2 90.6

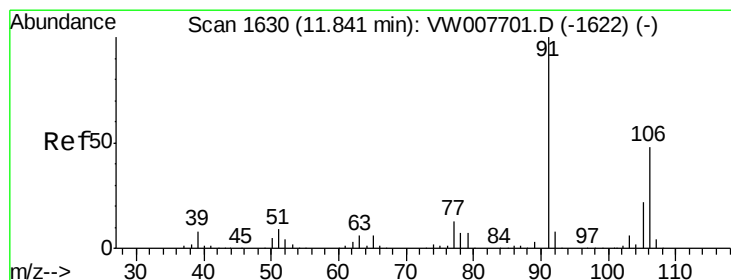
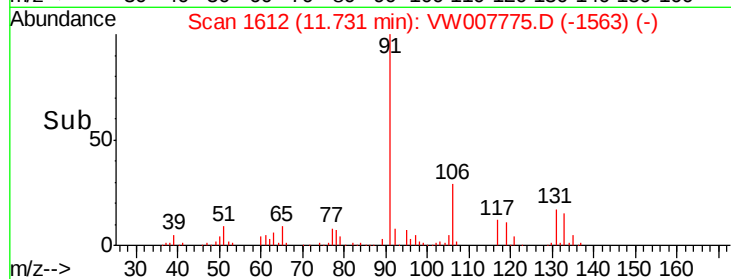
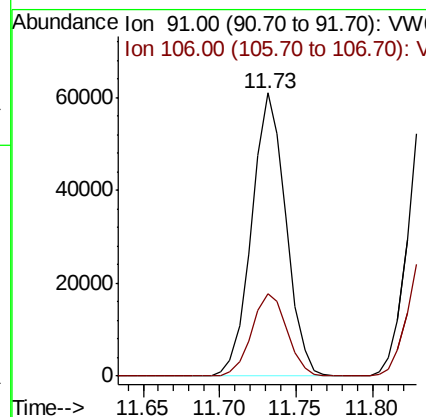
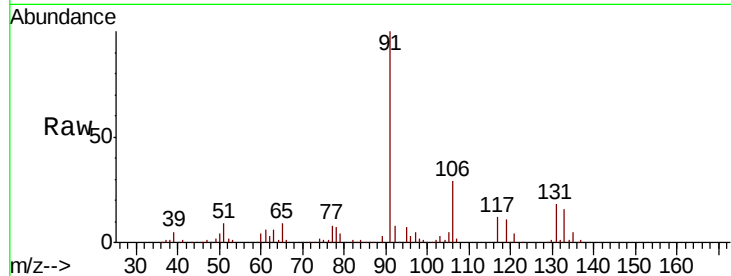




#67
Ethyl Benzene
Concen: 21.972 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

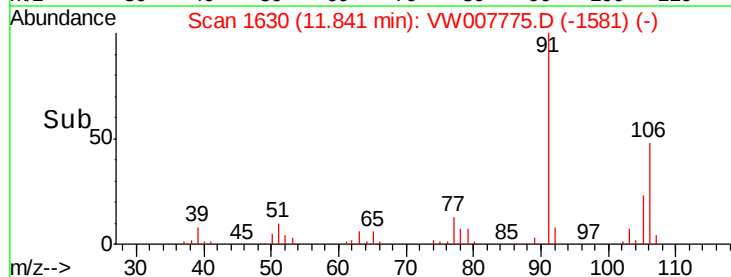
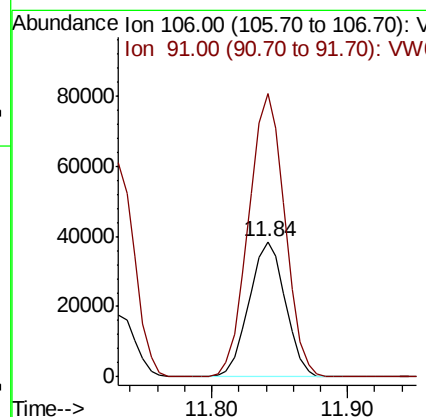
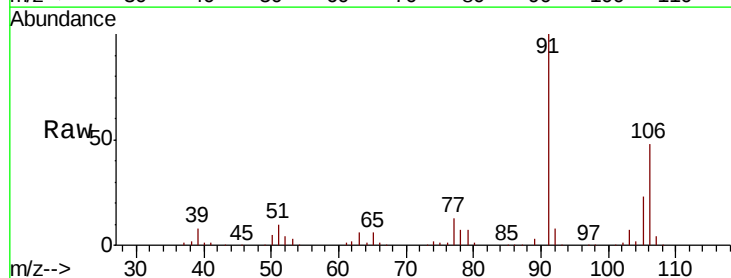
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS02

Tot Ion: 91 Resp: 94717
Ion Ratio Lower Upper
91 100
106 29.1 25.8 38.8



#68
m/p-Xylenes
Concen: 42.974 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 106 Resp: 71861
Ion Ratio Lower Upper
106 100
91 209.7 165.2 247.8

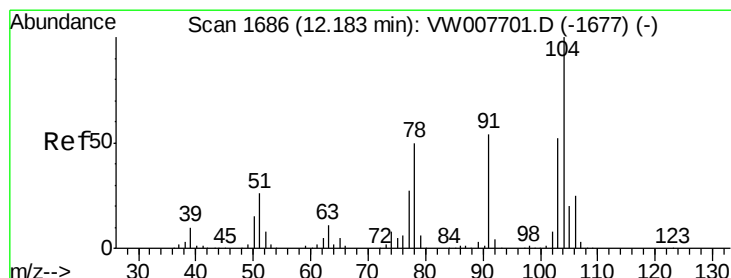
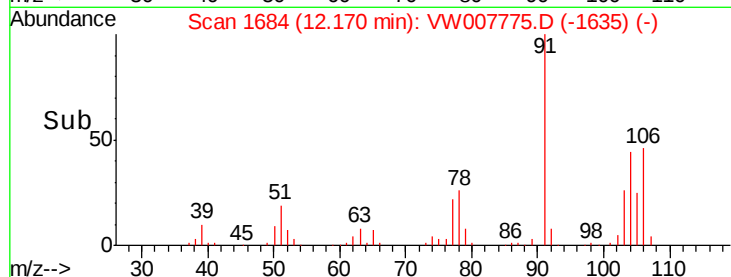
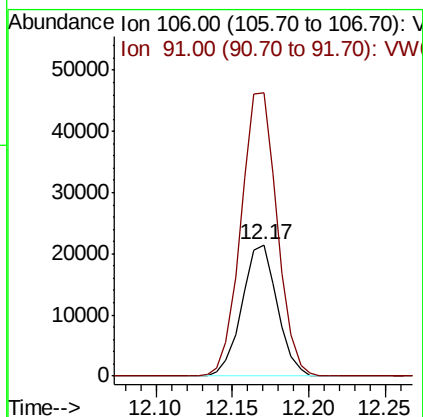
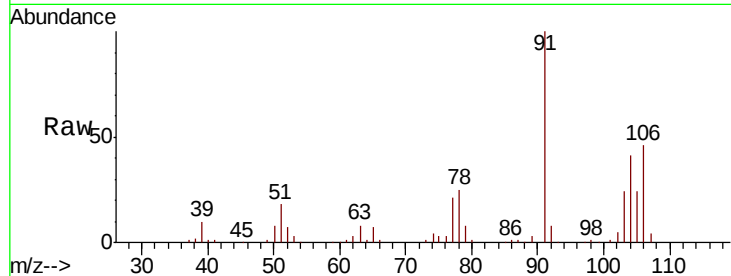




#69
o-Xylene
Concen: 21.909 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

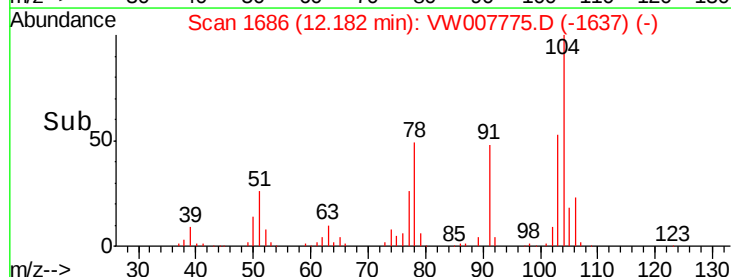
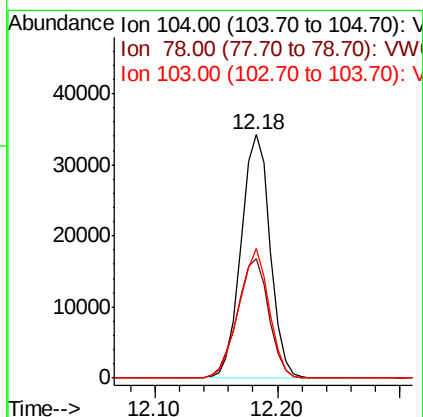
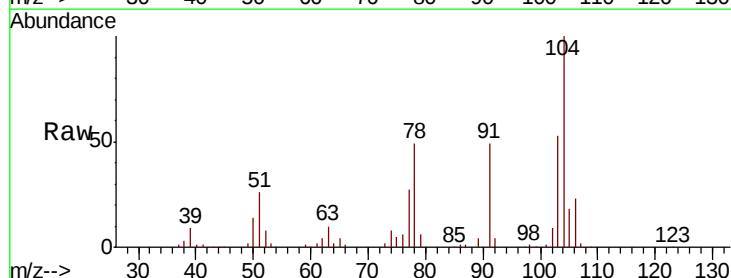
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS02

Tot Ion:106 Resp: 34342
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.4



#70
Styrene
Concen: 21.899 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:104 Resp: 56426
Ion Ratio Lower Upper
104 100
78 53.2 43.4 65.0
103 55.3 44.5 66.7

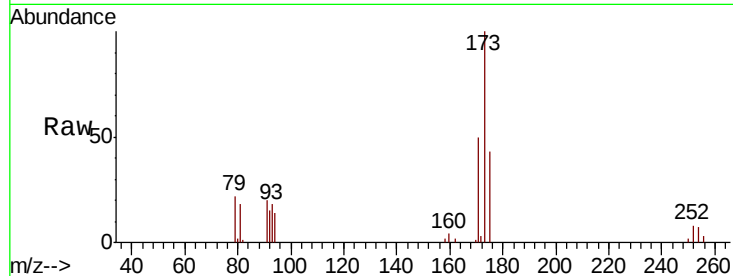




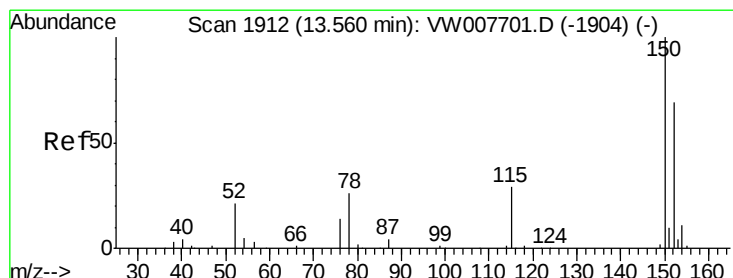
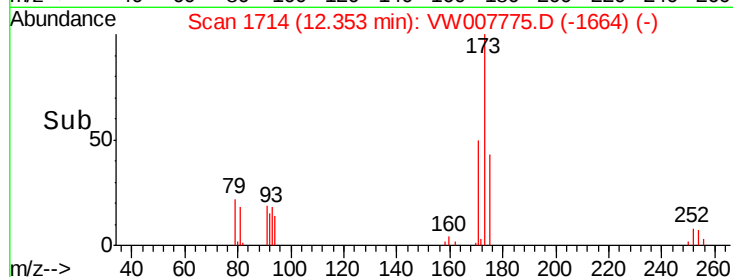
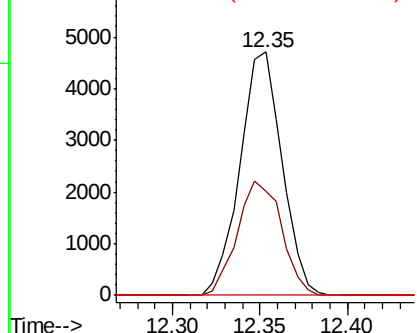
#71
Bromoform
Concen: 16.909 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Tot Ion:173 Resp: 7879
Ion Ratio Lower Upper
173 100
175 49.5 23.9 71.7
254 0.0 0.0 0.0

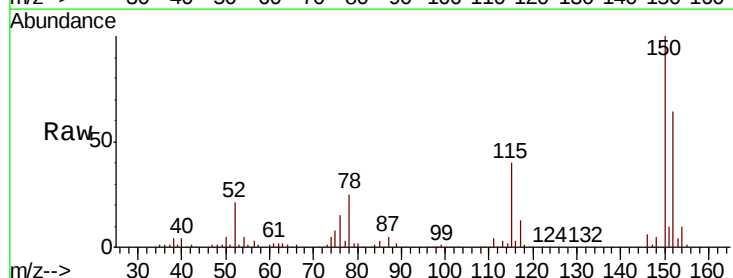


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

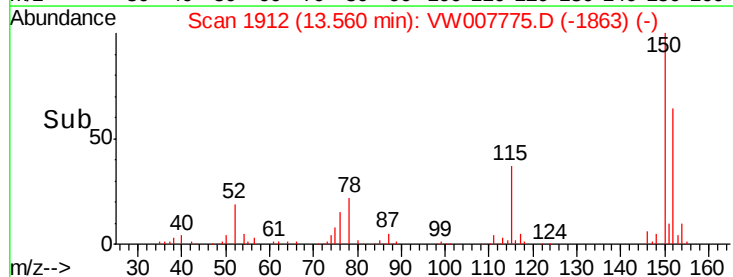
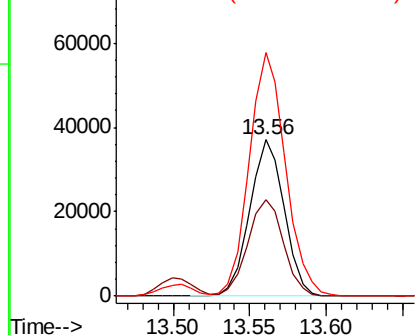


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:152 Resp: 57899
Ion Ratio Lower Upper
152 100
115 63.7 31.8 95.4
150 164.3 0.0 350.8



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: 21.746 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

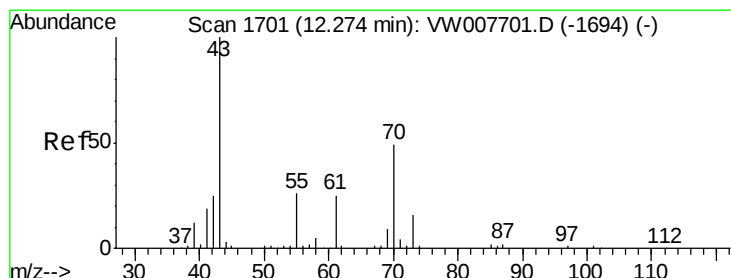
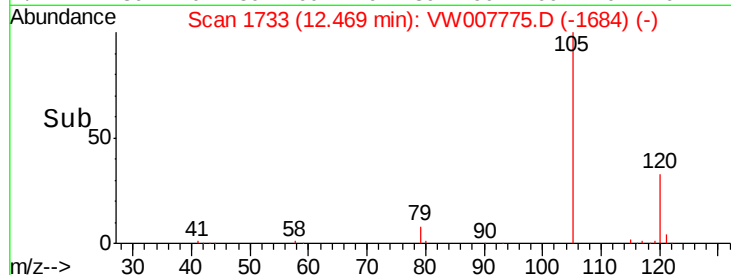
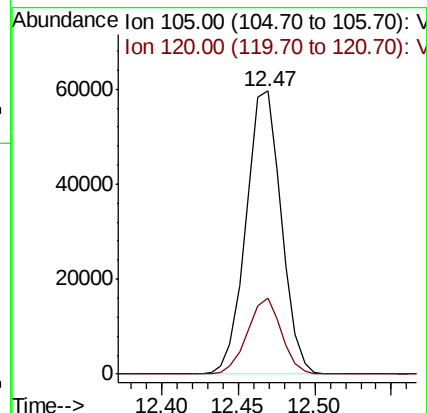
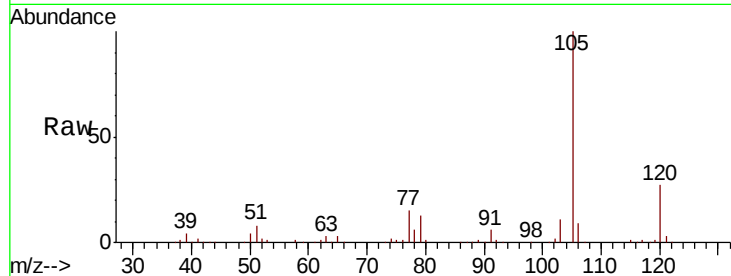
VW1222SBSD02

Tot Ion:105 Resp: 95172

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 23.343 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Tgt Ion: 43 Resp: 17696

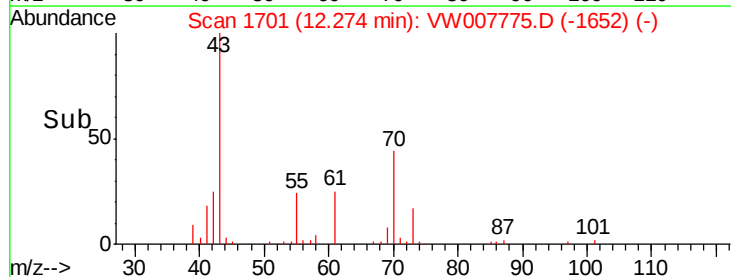
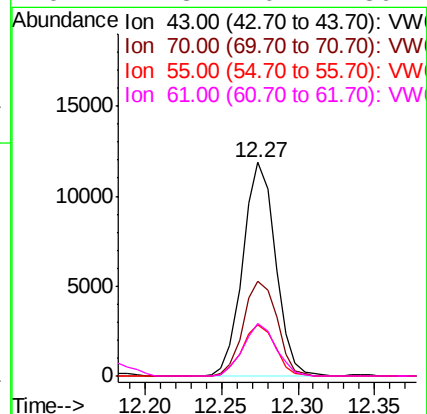
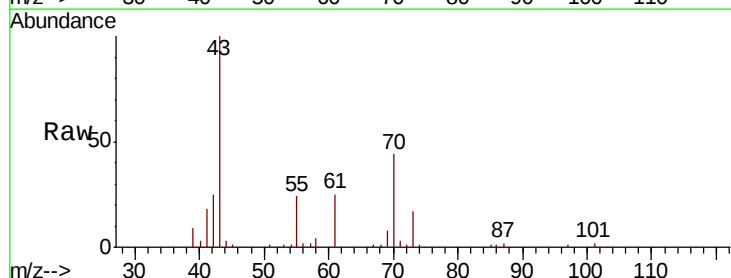
Ion Ratio Lower Upper

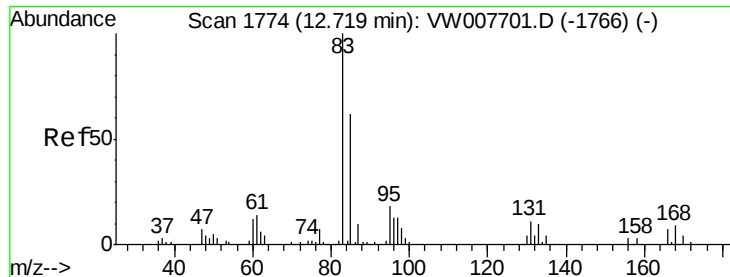
43 100

70 45.7 37.6 56.4

55 24.1 21.7 32.5

61 24.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.195 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBSD02

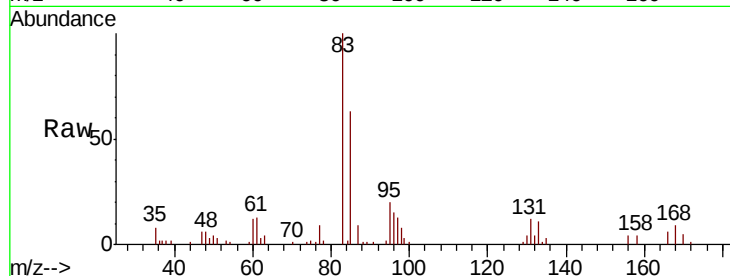
Tot Ion: 83 Resp: 13908

Ion Ratio Lower Upper

83 100

131 12.2 6.3 18.8

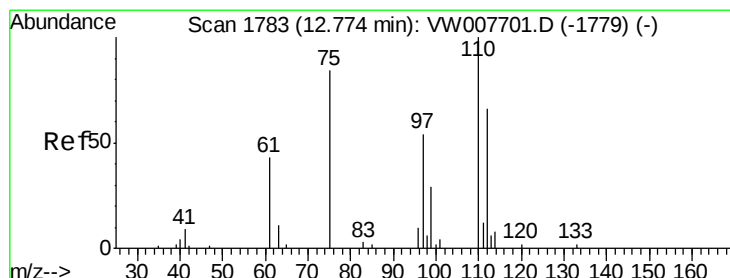
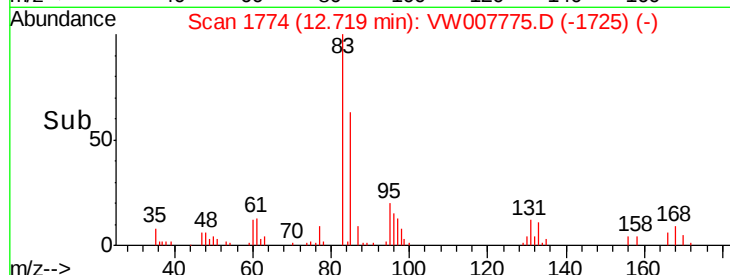
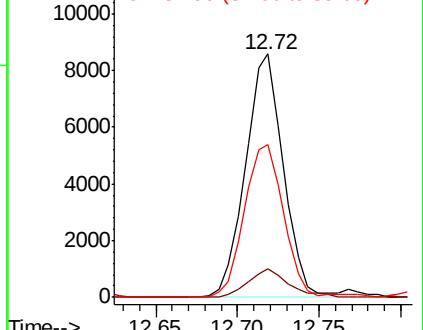
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 42.764 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007775.D

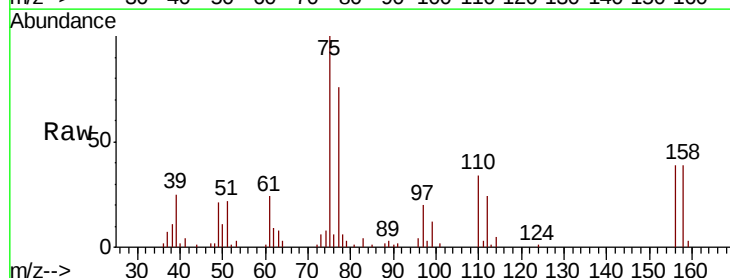
Acq: 21 Dec 2018 06:04

Tgt Ion: 75 Resp: 19137

Ion Ratio Lower Upper

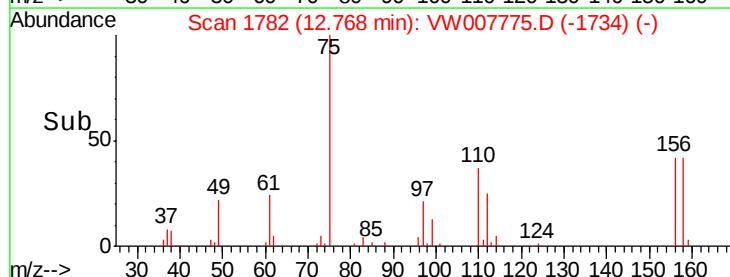
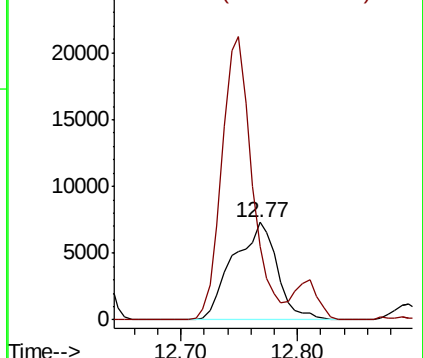
75 100

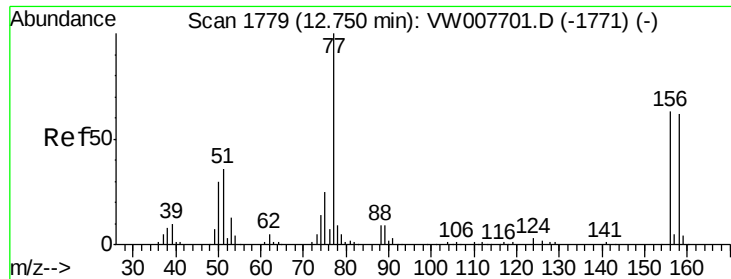
77 199.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.335 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBSD02

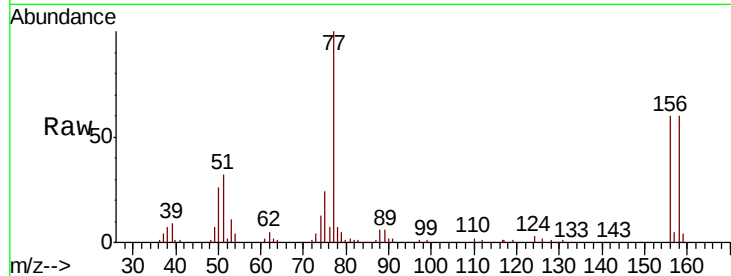
Tot Ion:156 Resp: 21399

Ion Ratio Lower Upper

156 100

77 178.7 87.4 262.1

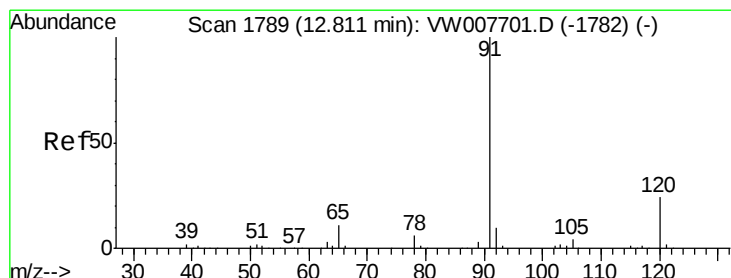
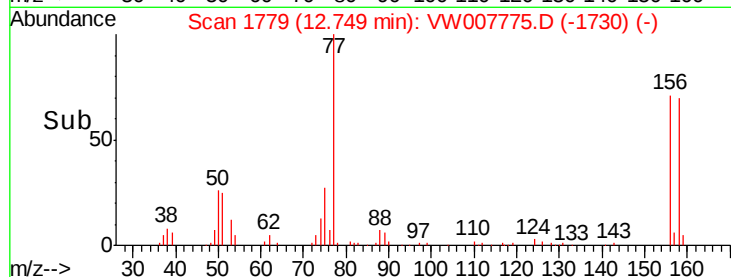
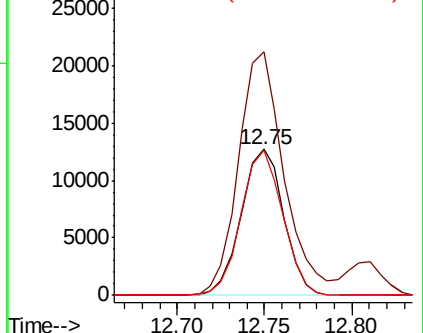
158 98.2 48.4 145.0



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: 21.414 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007775.D

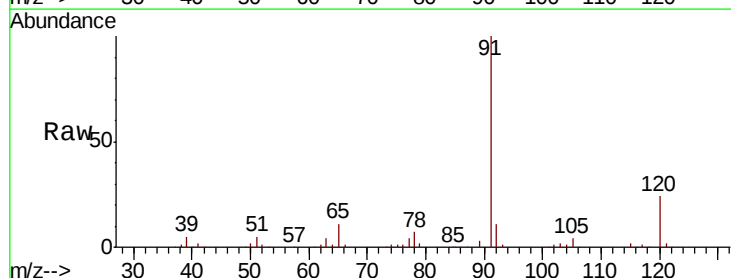
Acq: 21 Dec 2018 06:04

Tgt Ion: 91 Resp: 109095

Ion Ratio Lower Upper

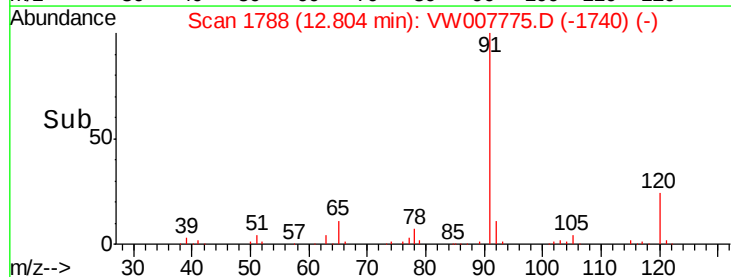
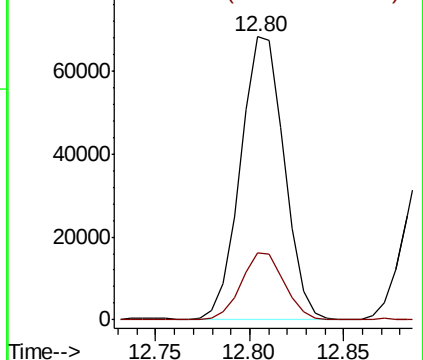
91 100

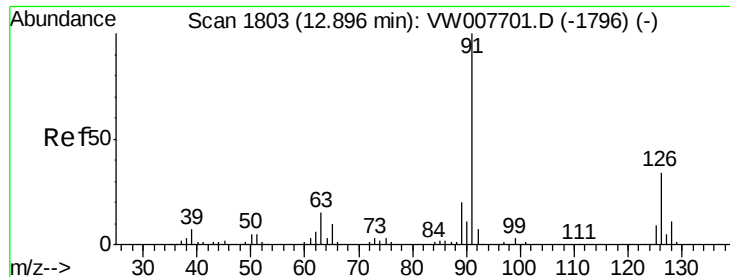
120 23.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.689 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

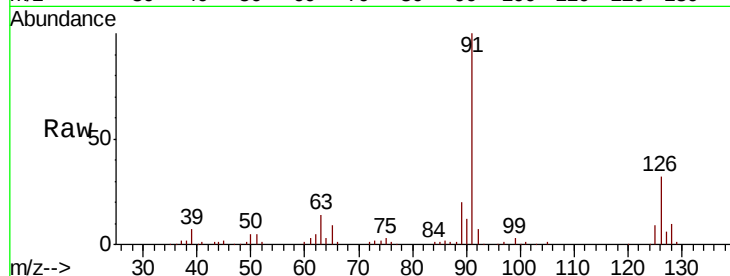
VW1222SBS02

Tot Ion: 91 Resp: 64368

Ion Ratio Lower Upper

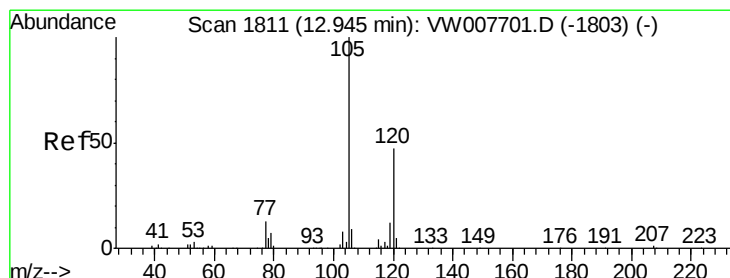
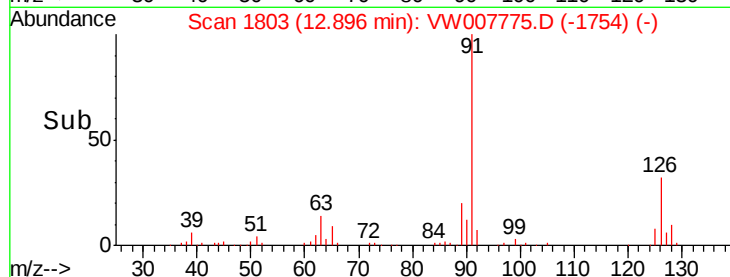
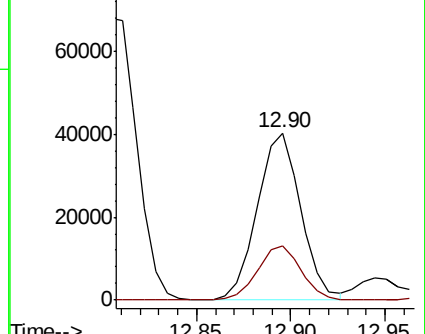
91 100

126 32.5 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: 22.080 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007775.D

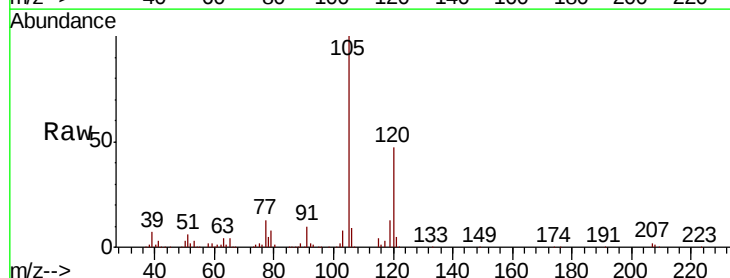
Acq: 21 Dec 2018 06:04

Tgt Ion:105 Resp: 83352

Ion Ratio Lower Upper

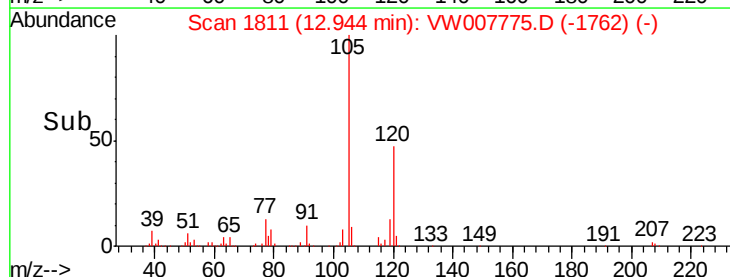
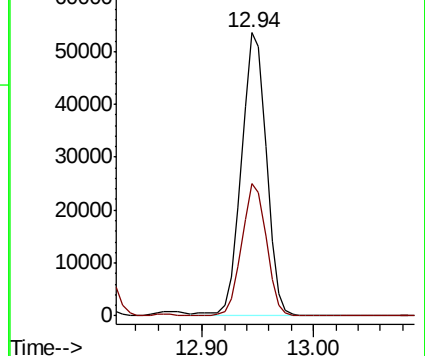
105 100

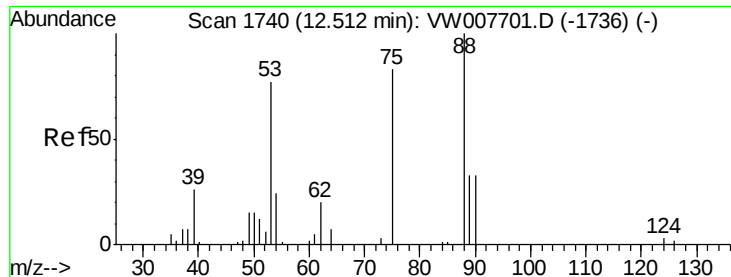
120 46.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

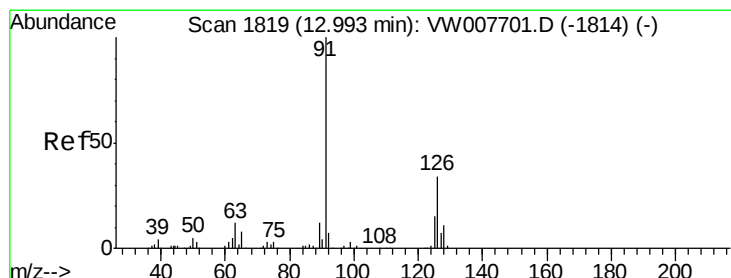
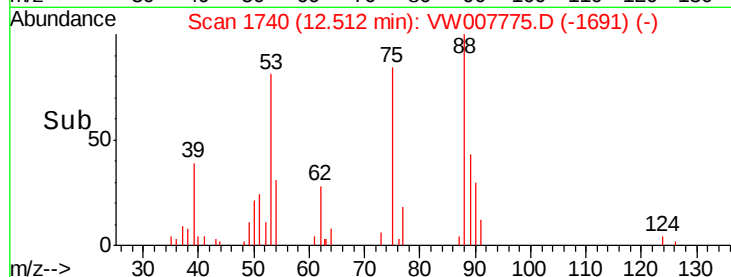
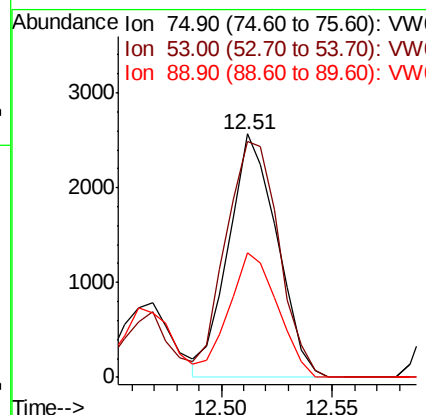
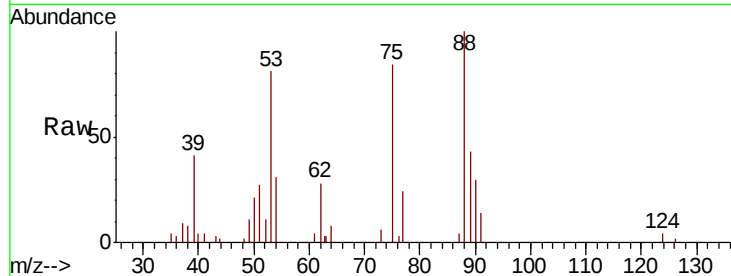




#81
trans-1,4-Dichloro-2-butene
Concen: 18.284 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

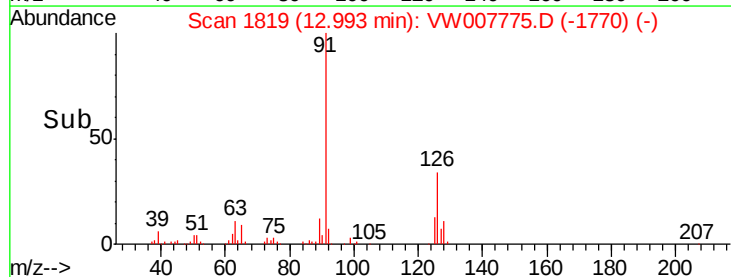
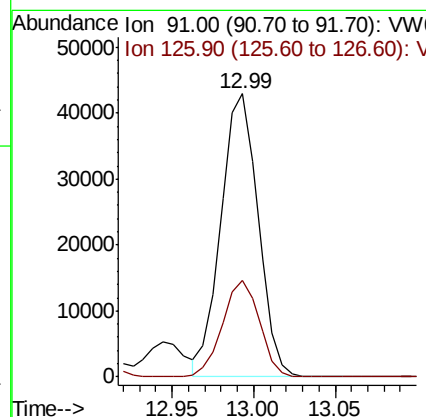
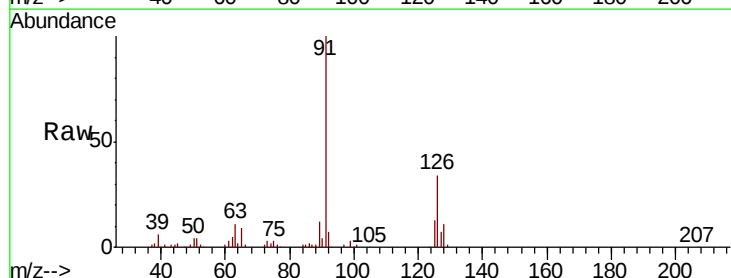
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

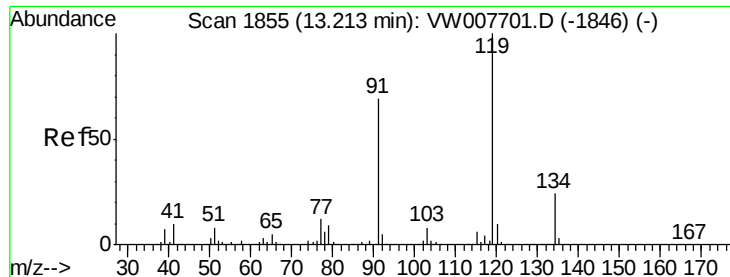
Tot Ion: 75 Resp: 3898
Ion Ratio Lower Upper
75 100
53 106.1 80.2 120.2
89 51.7 39.2 58.8



#82
4-Chlorotoluene
Concen: 21.638 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion: 91 Resp: 68378
Ion Ratio Lower Upper
91 100
126 33.8 16.5 49.5

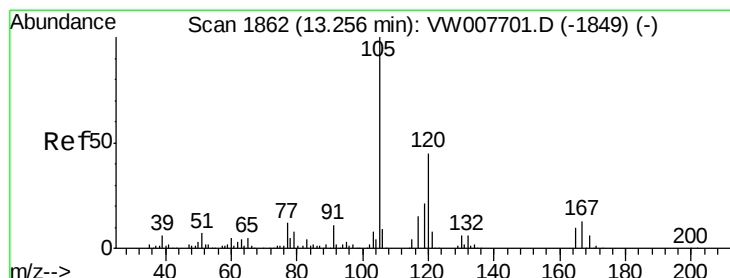
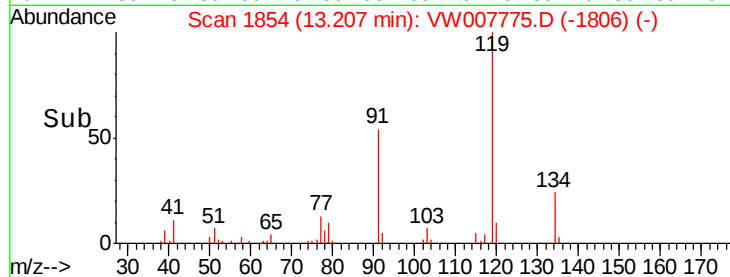
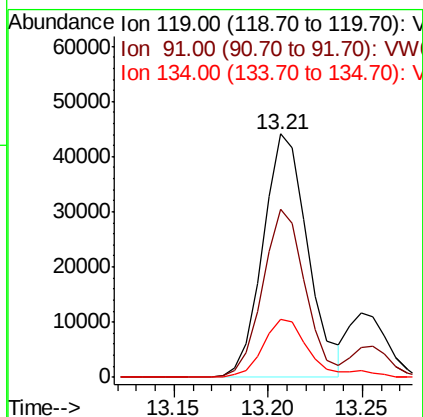
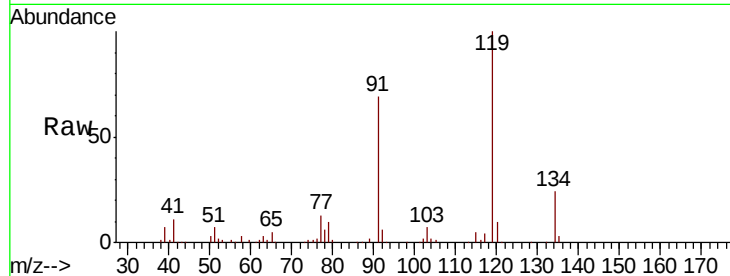




#83
tert-Butylbenzene
Concen: 22.033 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

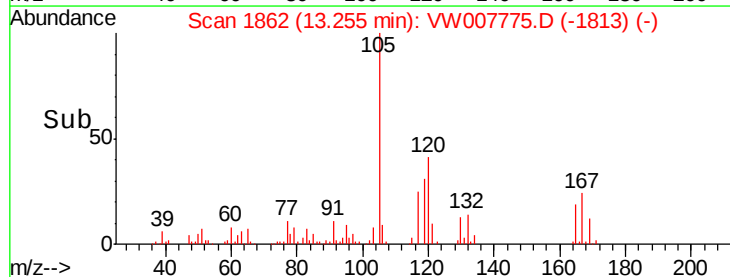
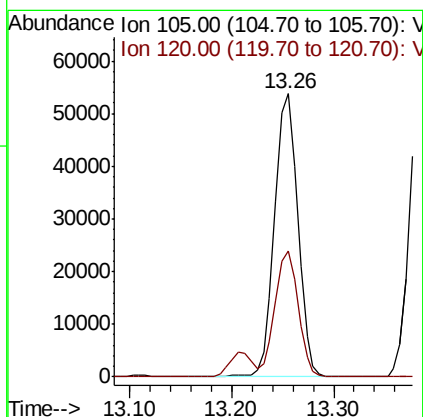
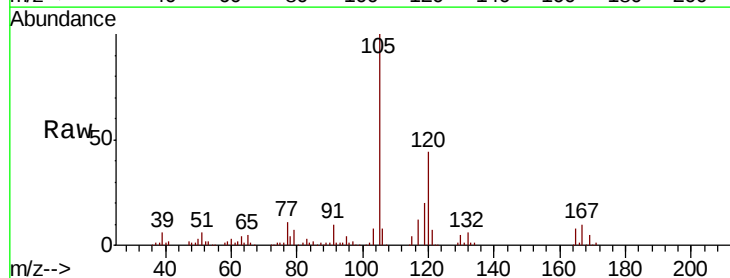
Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS02

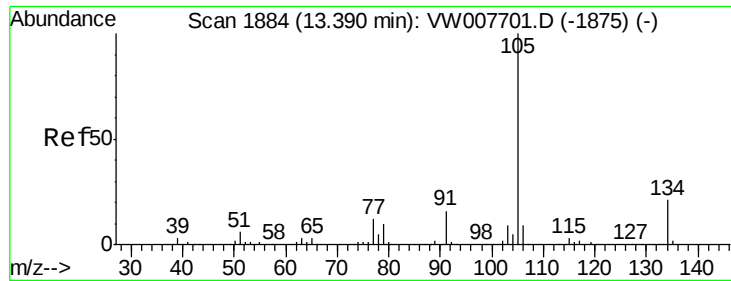
Tot Ion:119 Resp: 72980
Ion Ratio Lower Upper
119 100
91 65.7 34.2 102.5
134 25.0 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 22.262 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:105 Resp: 84801
Ion Ratio Lower Upper
105 100
120 44.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 21.415 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

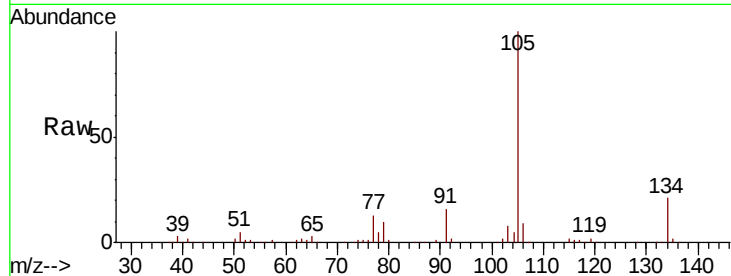
VW1222SBSD02

Tot Ion:105 Resp: 97761

Ion Ratio Lower Upper

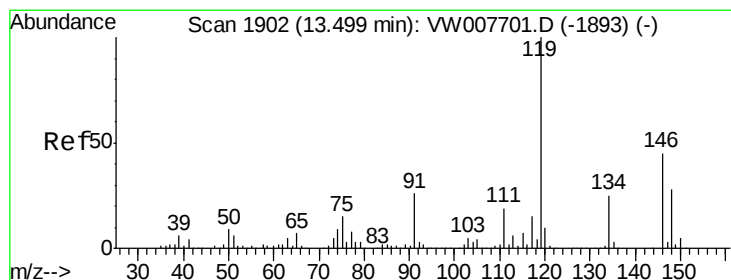
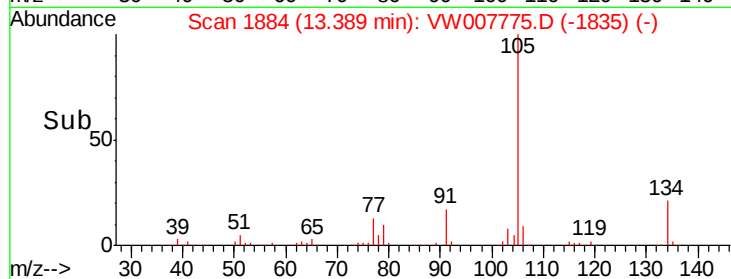
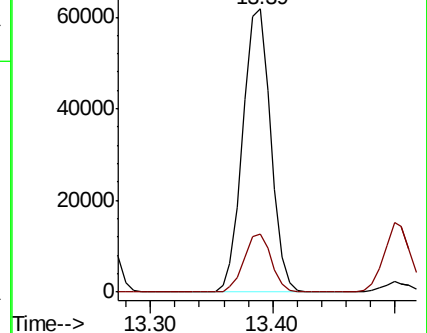
105 100

134 20.1 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.564 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

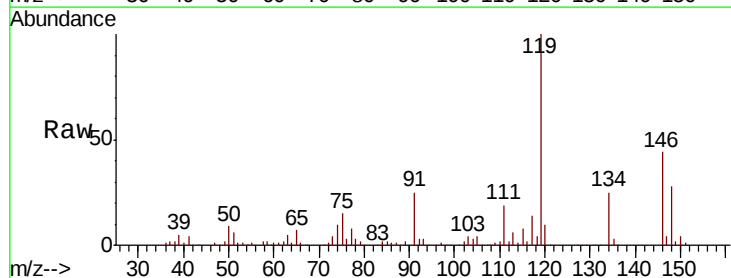
Tgt Ion:119 Resp: 89511

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

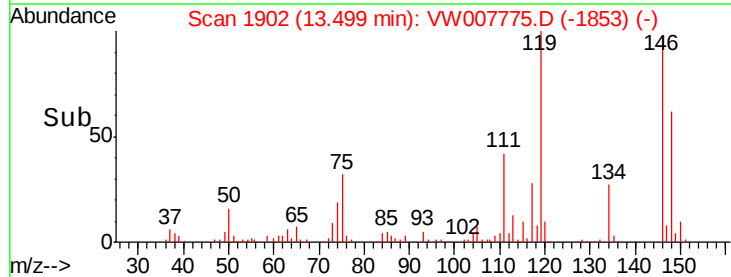
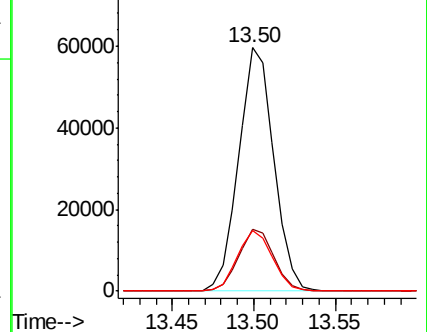
91 24.8 12.8 38.4



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): VW





#87

1,3-Dichlorobenzene

Concen: 21.323 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

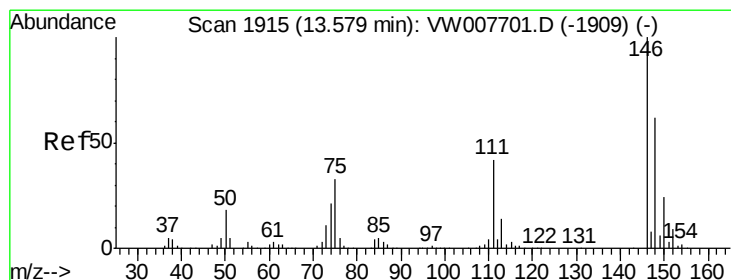
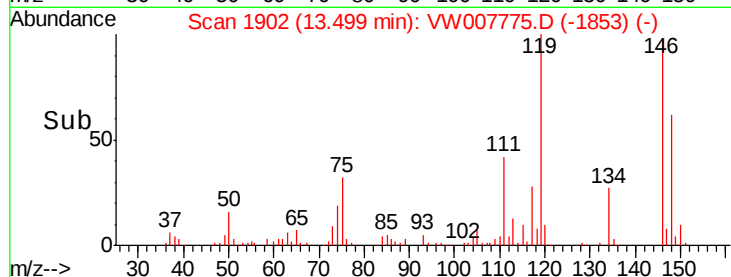
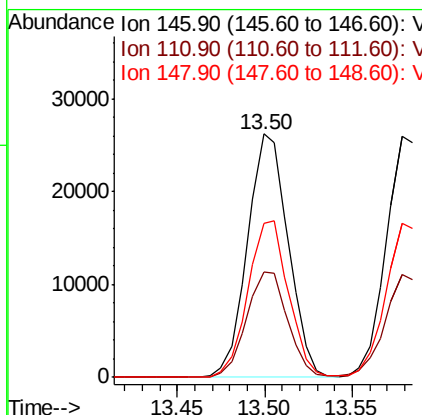
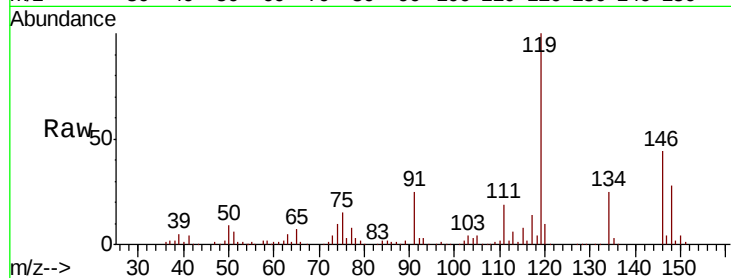
Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Tot Ion:146 Resp: 42463

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.1	63.4
148	63.9	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 21.288 ug/l

RT: 13.58 min Scan# 1915

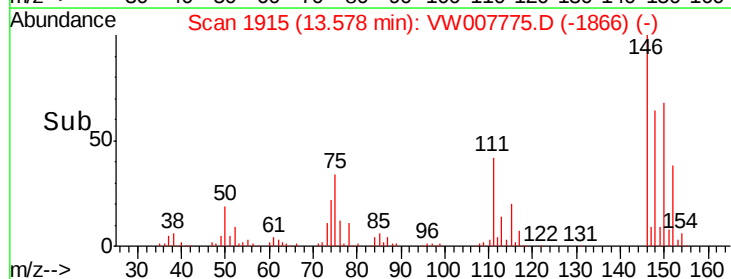
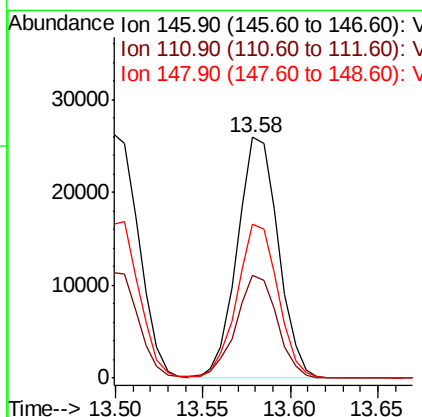
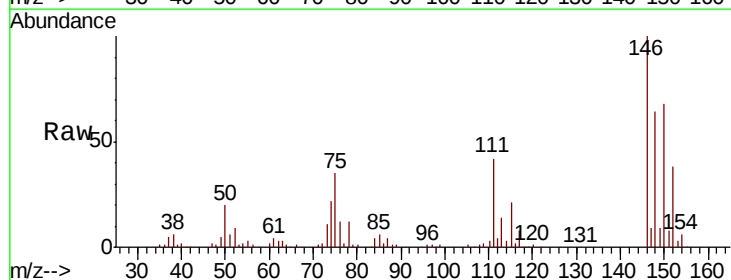
Delta R.T. -0.00 min

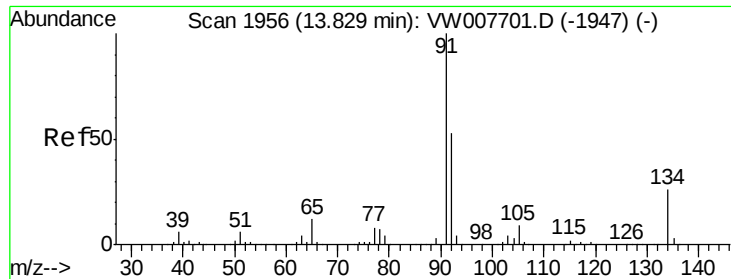
Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Tgt Ion:146 Resp: 42406

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.0	63.0
148	63.9	31.8	95.4





#89

n-Butylbenzene

Concen: 21.019 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS02

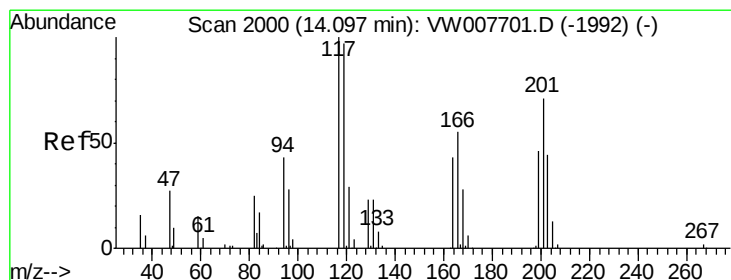
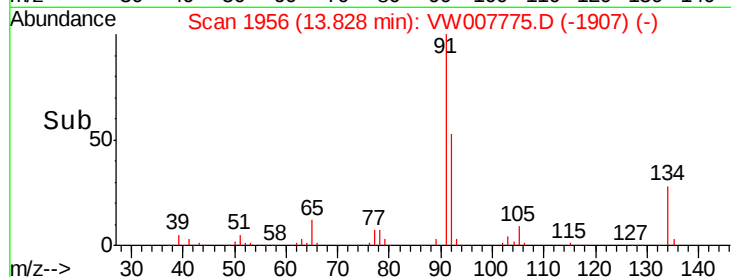
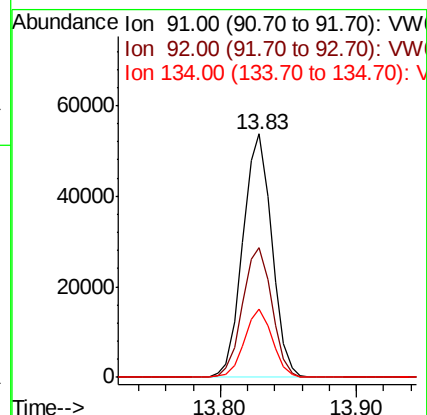
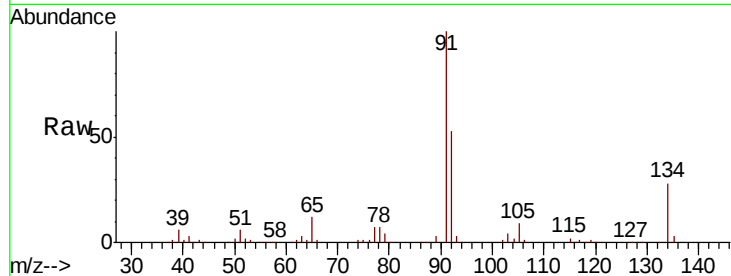
Tot Ion: 91 Resp: 79997

Ion Ratio Lower Upper

91 100

92 53.7 26.4 79.2

134 27.1 13.7 41.0



#90

Hexachloroethane

Concen: 17.231 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007775.D

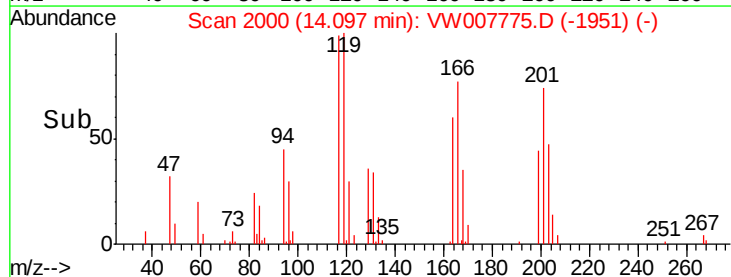
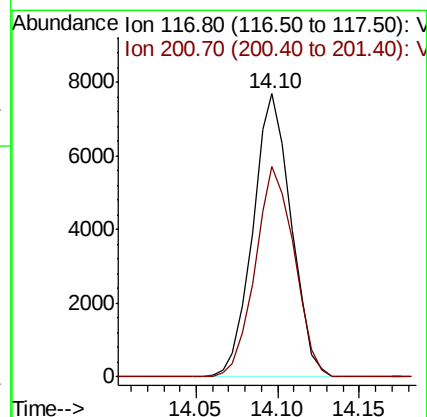
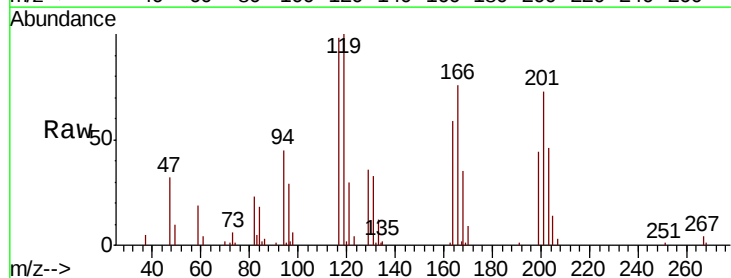
Acq: 21 Dec 2018 06:04

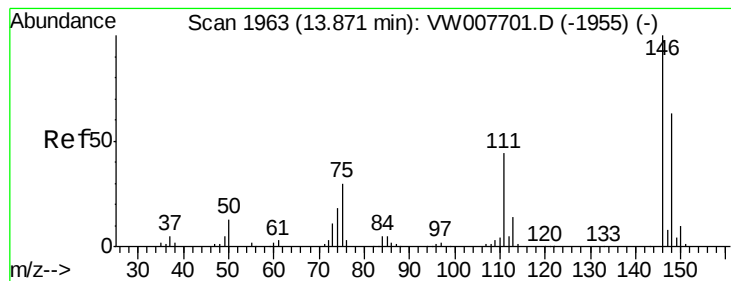
Tgt Ion: 117 Resp: 12557

Ion Ratio Lower Upper

117 100

201 75.9 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 21.617 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS02

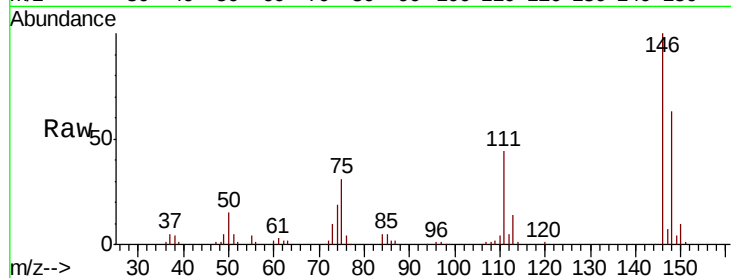
Tot Ion:146 Resp: 38543

Ion Ratio Lower Upper

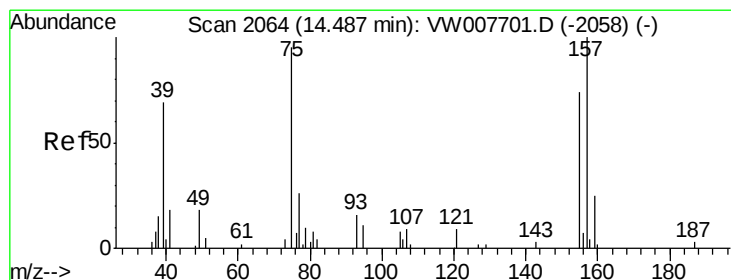
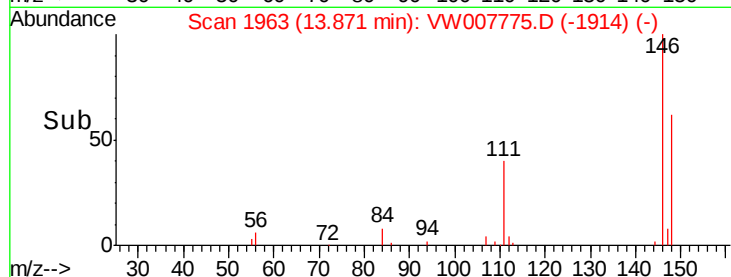
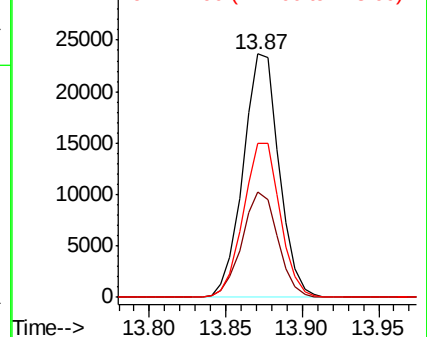
146 100

111 43.3 21.7 65.1

148 64.8 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.576 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007775.D

Acq: 21 Dec 2018 06:04

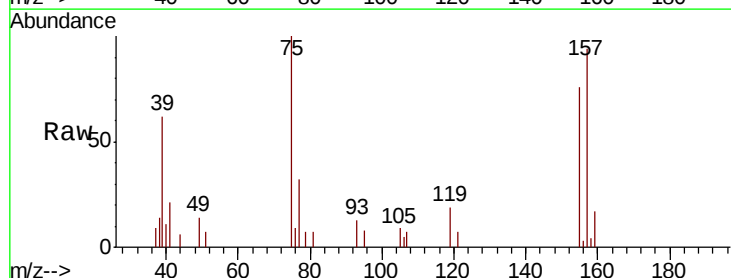
Tgt Ion: 75 Resp: 2638

Ion Ratio Lower Upper

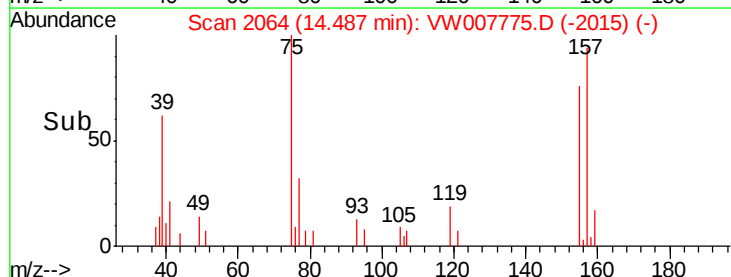
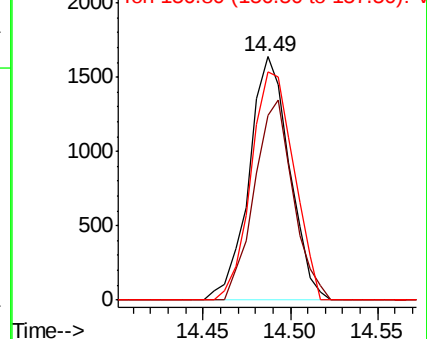
75 100

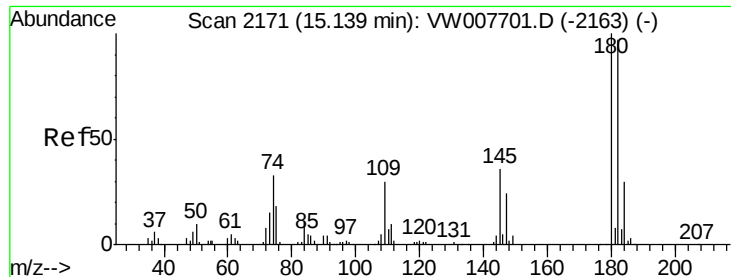
155 79.0 39.4 118.1

157 98.7 52.0 156.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

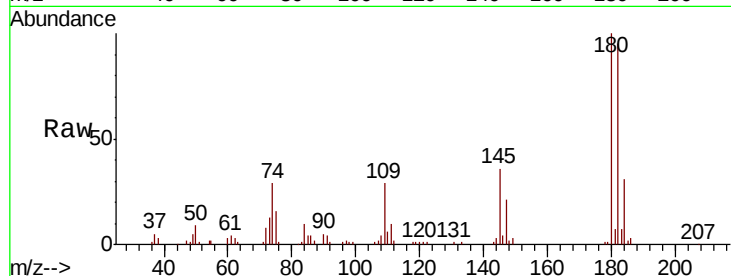




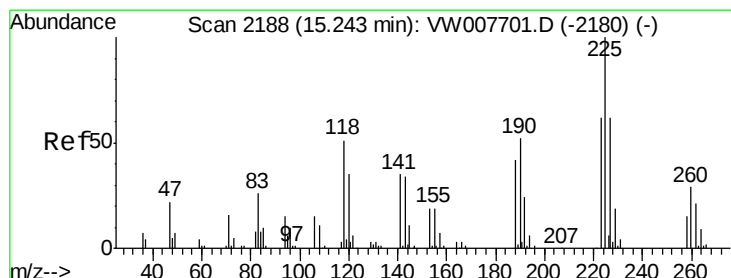
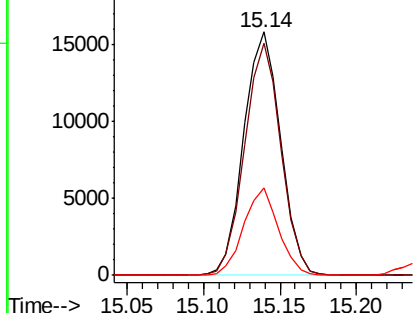
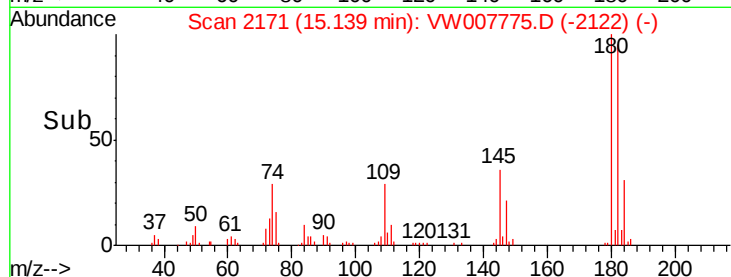
#93
 1,2,4-Trichlorobenzene
 Concen: 21.387 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS02

Tot Ion:180 Resp: 26470
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.5 142.6
 145 33.8 17.5 52.5

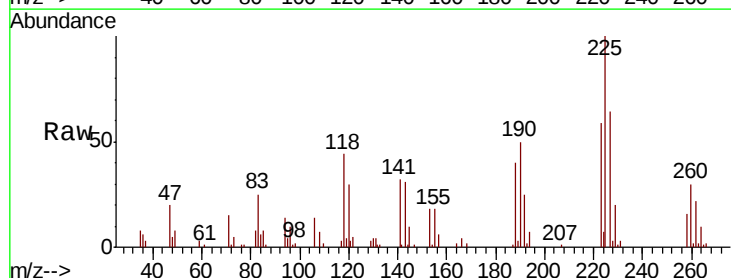


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

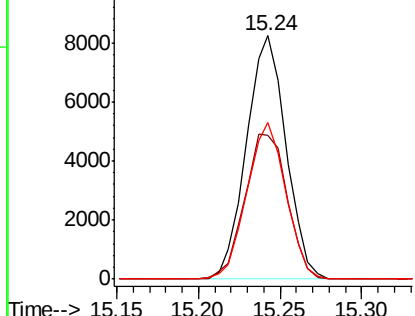
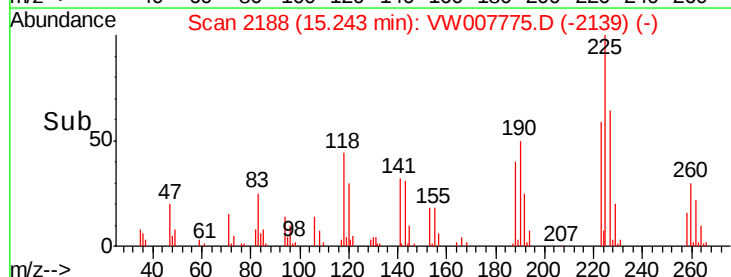


#94
 Hexachlorobutadiene
 Concen: 21.082 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007775.D
 Acq: 21 Dec 2018 06:04

Tgt Ion:225 Resp: 13944
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.6 94.8
 227 62.9 32.1 96.3



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

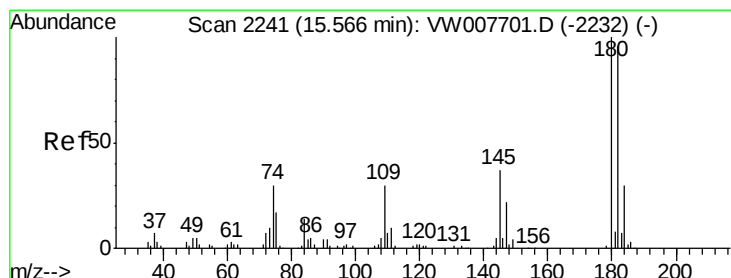
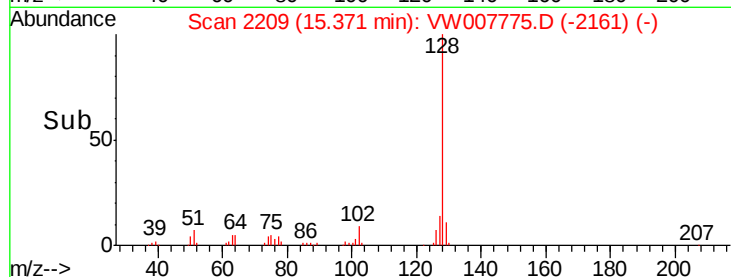
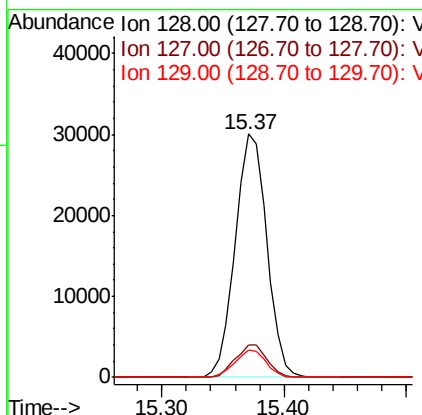
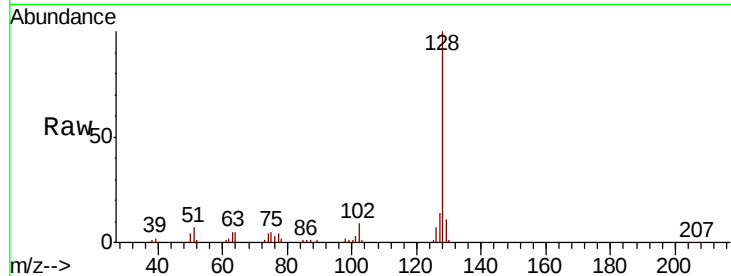




#95
Naphthalene
Concen: 23.552 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBSD02

Tot Ion:128 Resp: 53893
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.854 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007775.D
Acq: 21 Dec 2018 06:04

Tgt Ion:180 Resp: 23153
Ion Ratio Lower Upper
180 100
182 92.3 47.4 142.2
145 36.4 18.4 55.0

