

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007284.D
 Acq On : 06 Dec 2018 17:48
 Operator : SY/AP
 Sample : VW1206SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 18:23:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	93566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	140820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	68159	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	44351	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	7.89	113	41324	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.33	98	179740	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.62	95	67378	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	22641	22.117	ug/l	97
3) Chloromethane	2.22	50	23975	18.494	ug/l	94
4) Vinyl Chloride	2.35	62	16158	19.907	ug/l	96
5) Bromomethane	2.75	94	10189	25.051	ug/l	91
6) Chloroethane	2.91	64	9253	20.317	ug/l	92
7) Trichlorofluoromethane	3.26	101	34154	21.582	ug/l	95
8) Diethyl Ether	3.69	74	9343	21.181	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20239	21.172	ug/l	99
10) Methyl Iodide	4.28	142	13788	16.931	ug/l	99
11) Tert butyl alcohol	5.16	59	8413	88.984	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	18119	20.225	ug/l	96
13) Acrolein	3.90	56	5810	95.183	ug/l	97
14) Allyl chloride	4.68	41	27647	19.253	ug/l	96
15) Acrylonitrile	5.37	53	19028	103.186	ug/l	100
16) Acetone	4.13	43	19604	95.060	ug/l	96
17) Carbon Disulfide	4.38	76	59976	20.310	ug/l	99
18) Methyl Acetate	4.68	43	9947	21.131	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	43002	20.387	ug/l	97
20) Methylene Chloride	4.92	84	24260	20.257	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	20106	20.100	ug/l	94
22) Diisopropyl ether	6.32	45	52065	20.197	ug/l	97
23) Vinyl Acetate	6.26	43	143066	101.711	ug/l	99
24) 1,1-Dichloroethane	6.22	63	33416	20.225	ug/l	97
25) 2-Butanone	7.18	43	23243	97.226	ug/l	97
26) 2,2-Dichloropropane	7.17	77	33161	20.885	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	21647	20.187	ug/l	99
28) Bromochloromethane	7.52	49	12069	20.258	ug/l	98
29) Tetrahydrofuran	7.53	42	14826	100.360	ug/l	99
30) Chloroform	7.68	83	34889	20.318	ug/l	95
31) Cyclohexane	7.96	56	35234	20.381	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	34040	21.065	ug/l	99
36) 1,1-Dichloropropene	8.09	75	29056	21.206	ug/l	100
37) Ethyl Acetate	7.26	43	10427	21.038	ug/l	98
38) Carbon Tetrachloride	8.07	117	29329	20.971	ug/l	90

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37805	20.611	ug/l	97
40) Benzene	8.32	78	77609	20.656	ug/l	99
41) Methacrylonitrile	7.48	41	6464	21.773	ug/l	93
42) 1,2-Dichloroethane	8.40	62	23092	21.991	ug/l	100
43) Isopropyl Acetate	8.43	43	20690	21.493	ug/l	99
44) Trichloroethene	9.10	130	22678	21.473	ug/l	95
45) 1,2-Dichloropropane	9.37	63	18146	20.754	ug/l	99
46) Dibromomethane	9.46	93	9694	21.337	ug/l	97
47) Bromodichloromethane	9.65	83	25718	21.520	ug/l	97
48) Methyl methacrylate	9.44	41	11007	22.031	ug/l	98
49) 1,4-Dioxane	9.45	88	3237	407.848	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	49493	104.331	ug/l	98
52) Toluene	10.39	92	54765	20.954	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	25990	21.631	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	29140	20.694	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13807	21.365	ug/l	94
56) Ethyl methacrylate	10.65	69	17240	20.451	ug/l	97
57) 1,3-Dichloropropane	10.93	76	22875	20.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	39545	116.789	ug/l	99
59) 2-Hexanone	10.97	43	37133	107.980	ug/l	96
60) Dibromochloromethane	11.13	129	16473	20.739	ug/l	100
61) 1,2-Dibromoethane	11.24	107	13088	21.115	ug/l	100
64) Tetrachloroethene	10.87	164	19752	20.722	ug/l	97
65) Chlorobenzene	11.66	112	58587	20.107	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.73	131	18491	20.549	ug/l	99
67) Ethyl Benzene	11.73	91	101739	19.158	ug/l	99
68) m/p-Xylenes	11.84	106	80814	38.790	ug/l	90
69) o-Xylene	12.17	106	38907	19.989	ug/l	94
70) Styrene	12.18	104	63052	19.789	ug/l	95
71) Bromoform	12.35	173	9249	20.532	ug/l #	98
73) Isopropylbenzene	12.47	105	105498	19.031	ug/l	98
74) N-amyl acetate	12.27	43	19492	19.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14571	20.239	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	20757	39.330	ug/l #	100
77) Bromobenzene	12.75	156	23201	19.389	ug/l	98
78) n-propylbenzene	12.80	91	127715	19.338	ug/l	97
79) 2-Chlorotoluene	12.90	91	72549	19.452	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	91756	19.348	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.52	75	4813	19.656	ug/l	93
82) 4-Chlorotoluene	12.99	91	80647	20.326	ug/l	95
83) tert-Butylbenzene	13.21	119	81019	19.549	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	93517	19.318	ug/l	96
85) sec-Butylbenzene	13.39	105	111977	18.926	ug/l	100
86) p-Isopropyltoluene	13.51	119	108918	20.680	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	48309	19.666	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	47658	19.207	ug/l	96
89) n-Butylbenzene	13.83	91	95526	19.409	ug/l	98
90) Hexachloroethane	14.10	117	14768	18.400	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	42783	20.118	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2830	20.291	ug/l	96

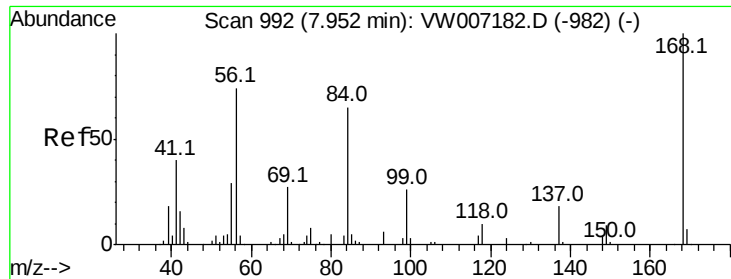
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
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Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	30698	20.830	ug/l	94
94) Hexachlorobutadiene	15.24	225	16415	20.655	ug/l	100
95) Naphthalene	15.38	128	52294	19.799	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	25013	20.128	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

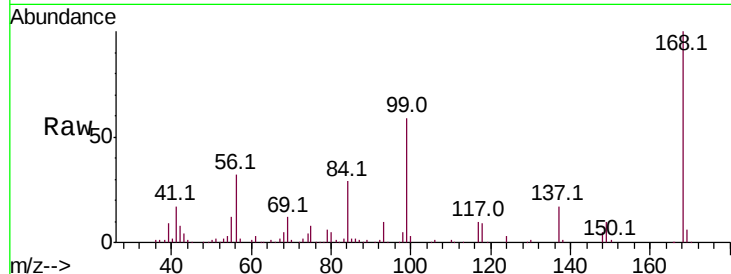
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 93566

Ion Ratio Lower Upper

168 100

99 59.2 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

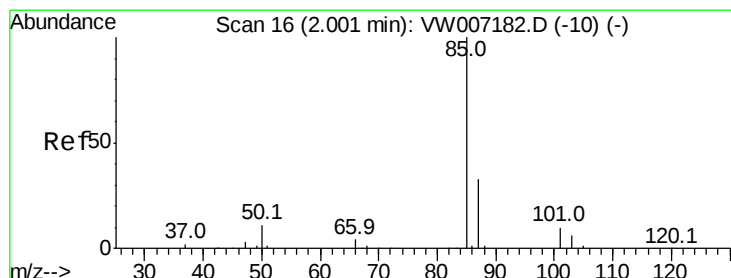
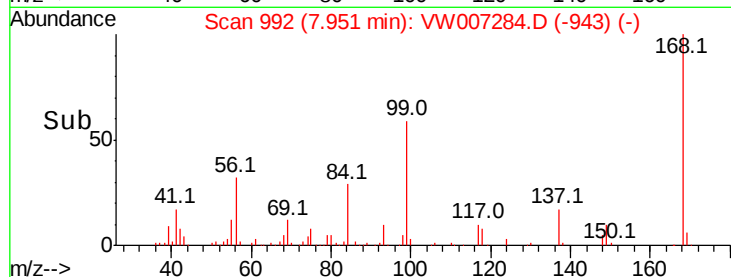
20000

10000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.117 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007284.D

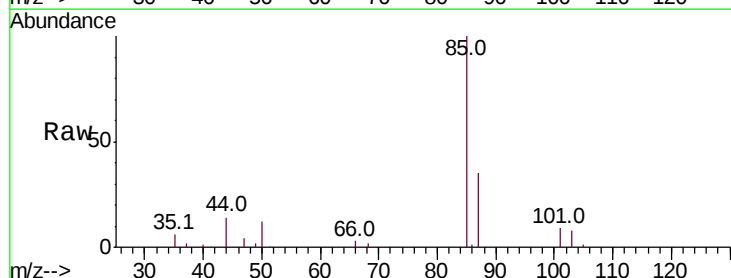
Acq: 06 Dec 2018 17:48

Tgt Ion: 85 Resp: 22641

Ion Ratio Lower Upper

85 100

87 34.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

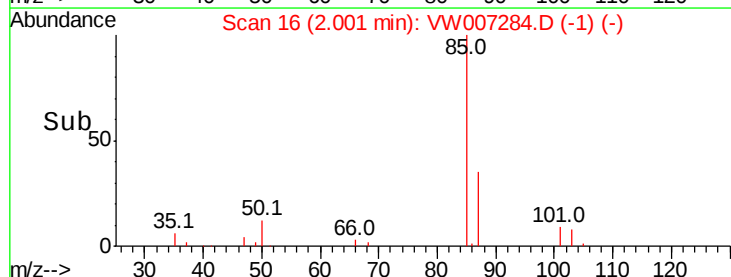
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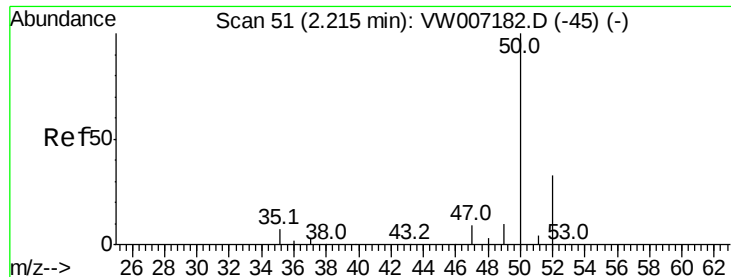
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 18.494 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

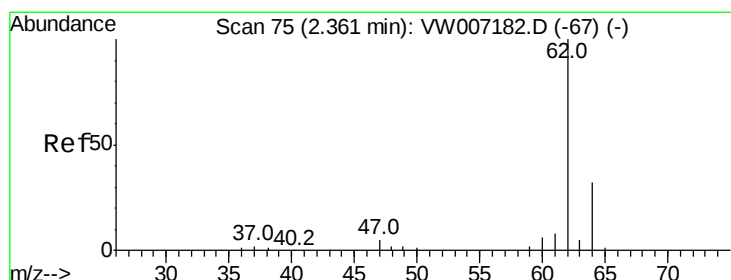
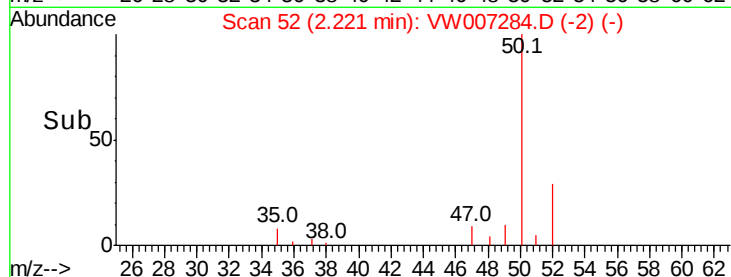
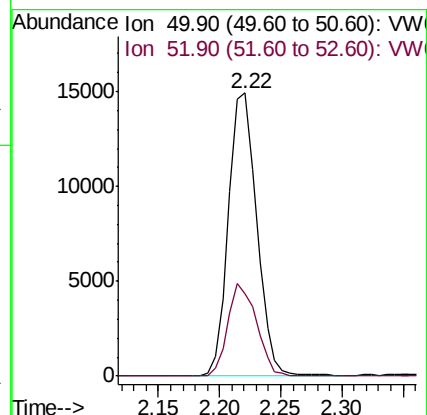
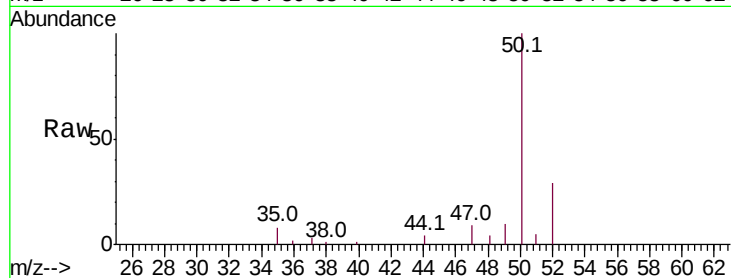
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 23975

Ion Ratio Lower Upper

50 100

52 29.3 26.2 39.2



#4

Vinyl Chloride

Concen: 19.907 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007284.D

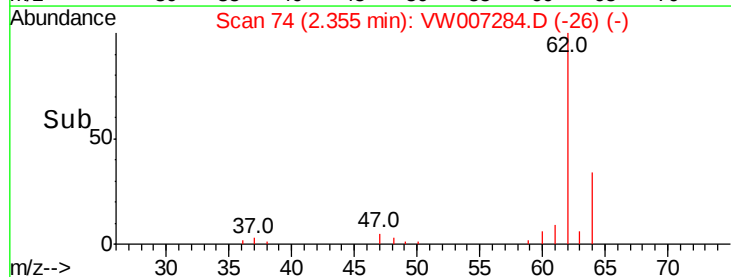
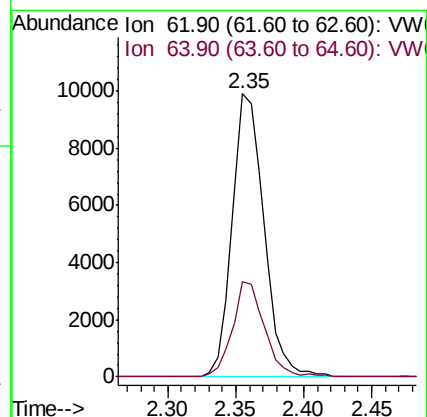
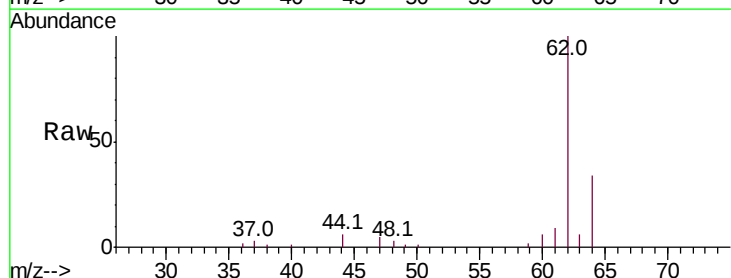
Acq: 06 Dec 2018 17:48

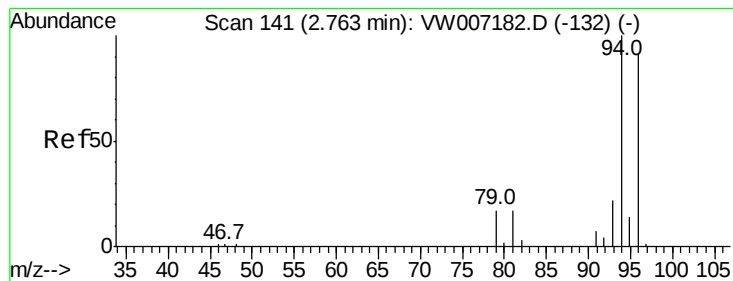
Tgt Ion: 62 Resp: 16158

Ion Ratio Lower Upper

62 100

64 33.7 25.3 37.9





#5

Bromomethane

Concen: 25.051 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

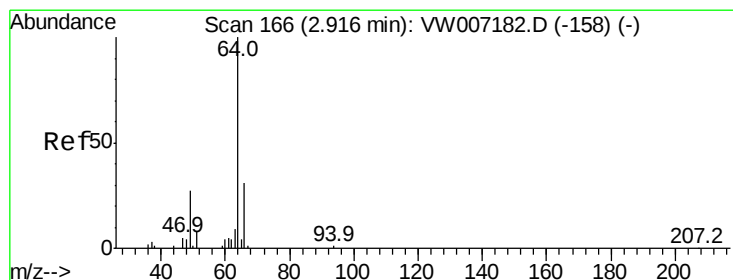
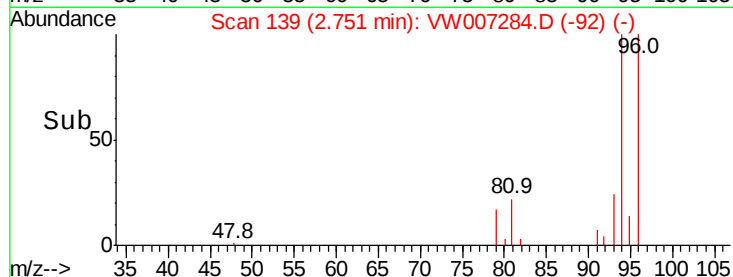
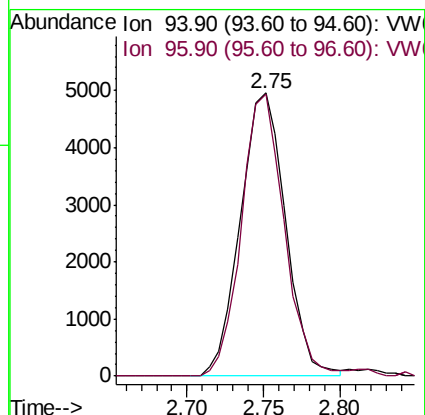
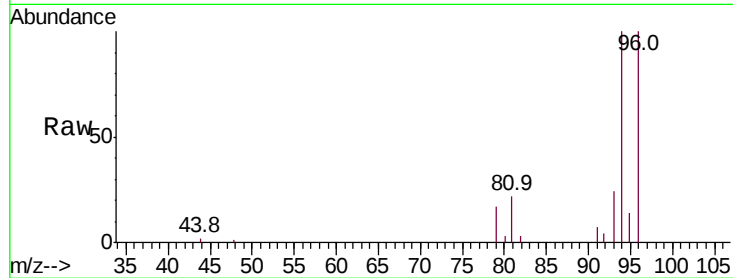
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 10189

Ion Ratio Lower Upper

94 100

96 99.7 72.8 109.2



#6

Chloroethane

Concen: 20.317 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007284.D

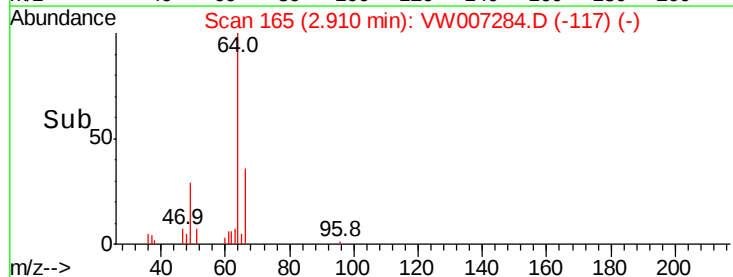
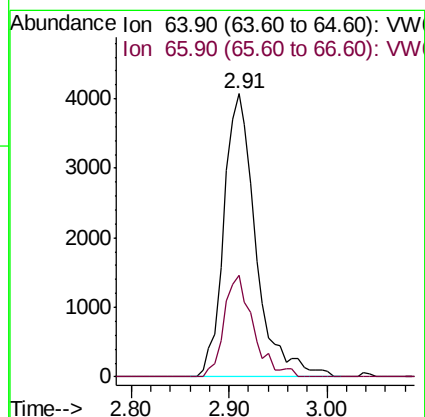
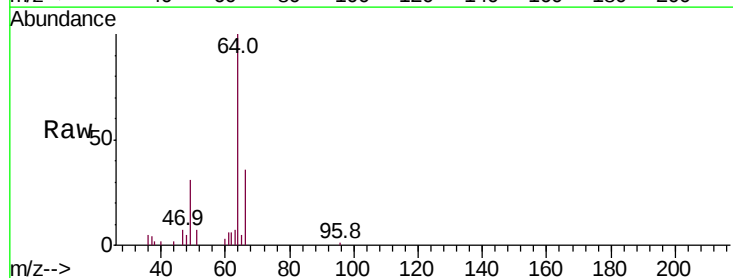
Acq: 06 Dec 2018 17:48

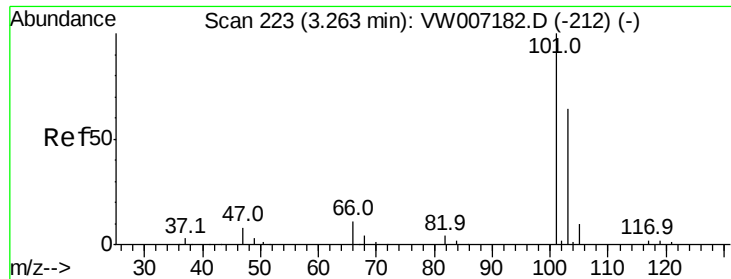
Tgt Ion: 64 Resp: 9253

Ion Ratio Lower Upper

64 100

66 35.8 25.0 37.6



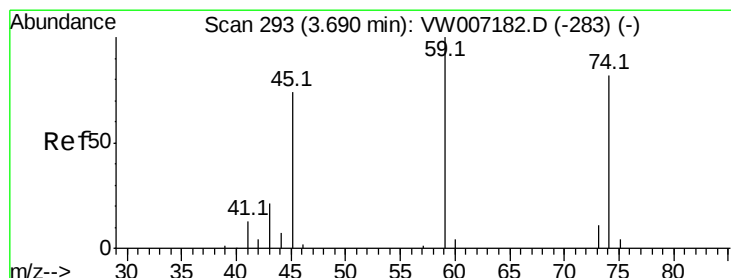
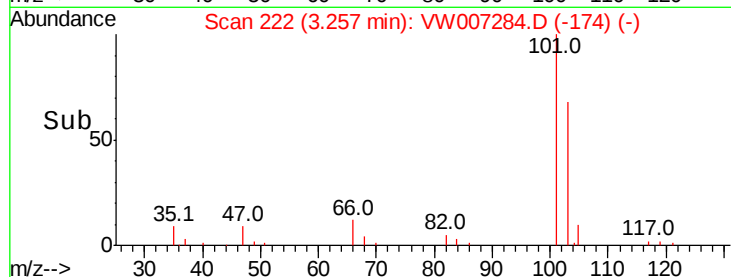
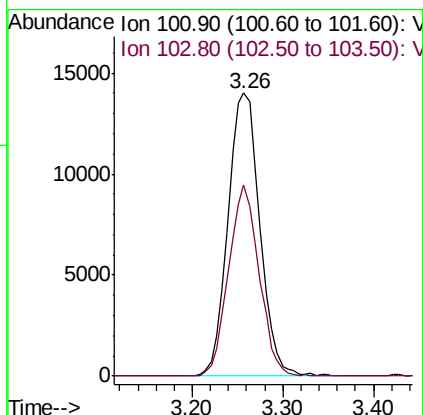
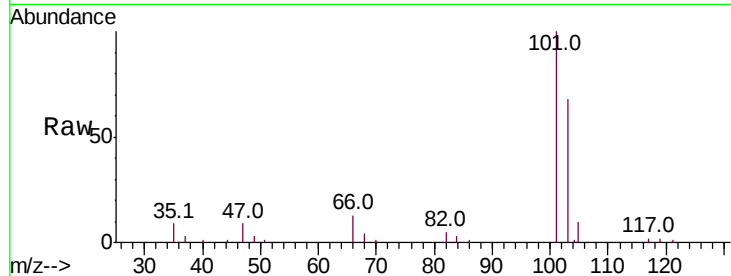


#7

Trichlorofluoromethane
 Concen: 21.582 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Instrument :
 MSVOA_W
 ClientSampleId :

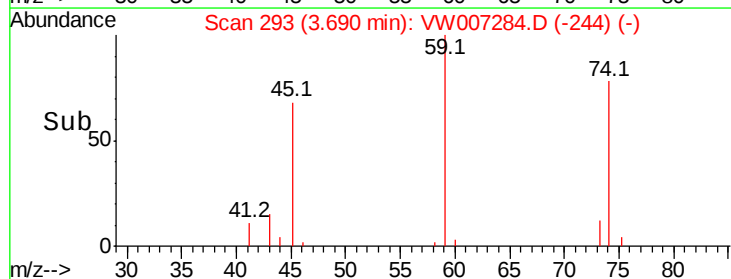
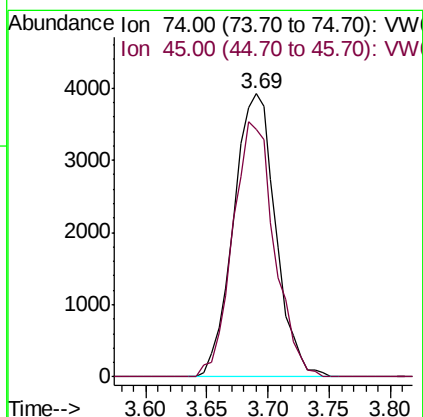
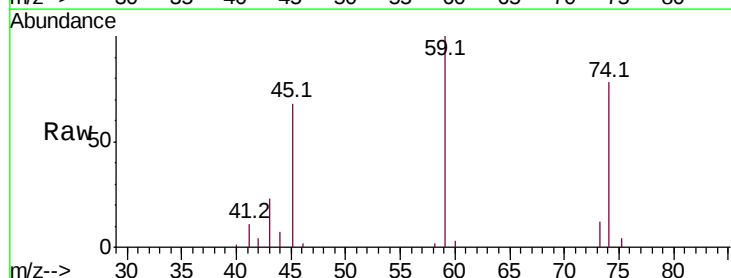
Tot Ion:101 Resp: 34154
 Ion Ratio Lower Upper
 101 100
 103 67.6 50.9 76.3

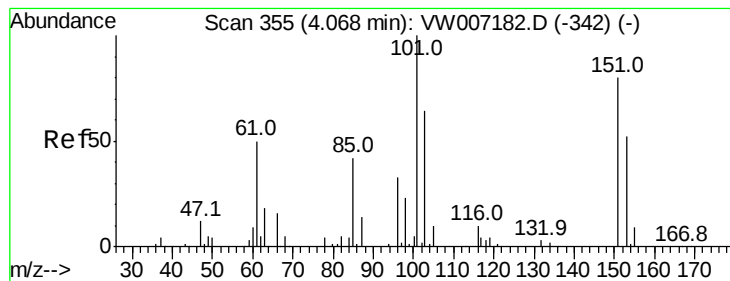


#8

Diethyl Ether
 Concen: 21.181 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion: 74 Resp: 9343
 Ion Ratio Lower Upper
 74 100
 45 89.2 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.172 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

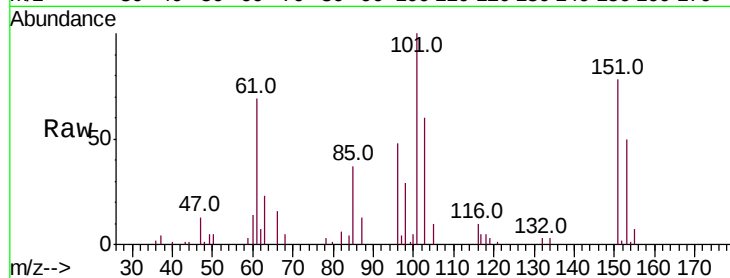
Tot Ion:101 Resp: 20239

Ion Ratio Lower Upper

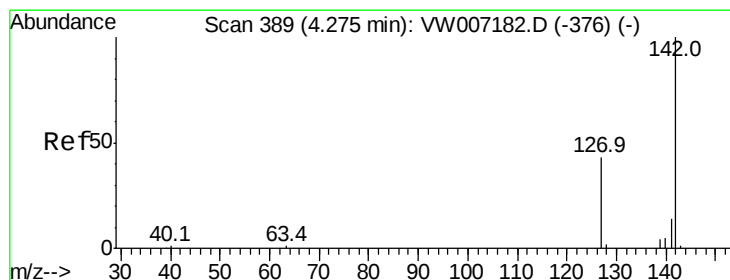
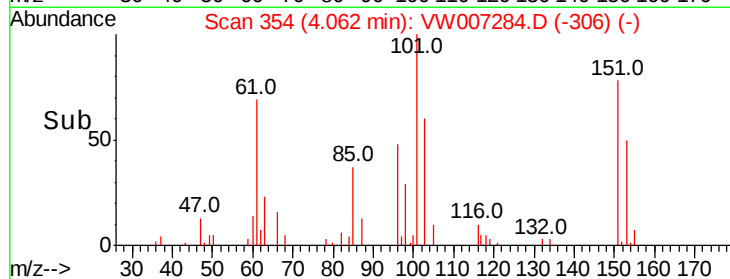
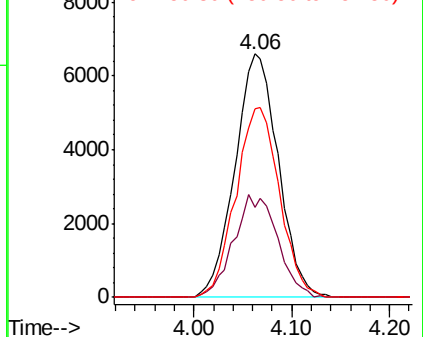
101 100

85 42.8 33.4 50.2

151 78.7 63.9 95.9



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



#10

Methyl Iodide

Concen: 16.931 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

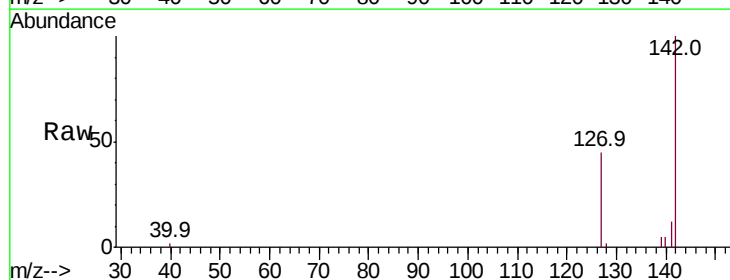
Tgt Ion:142 Resp: 13788

Ion Ratio Lower Upper

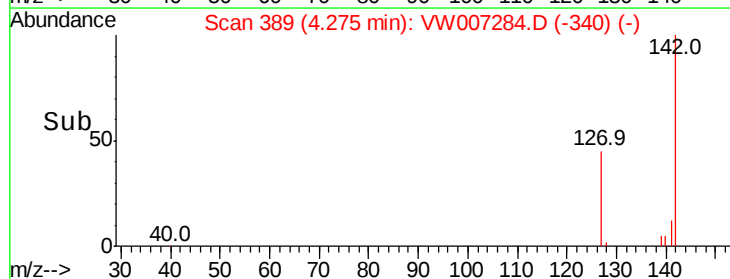
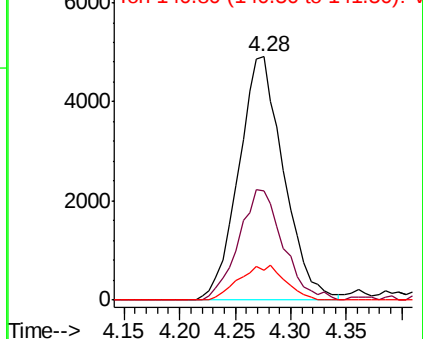
142 100

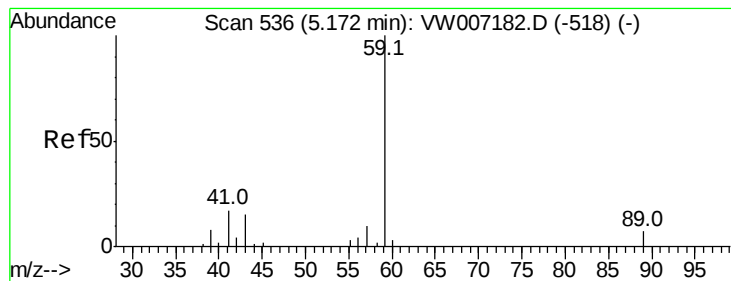
127 44.7 34.9 52.3

141 14.6 11.7 17.5



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



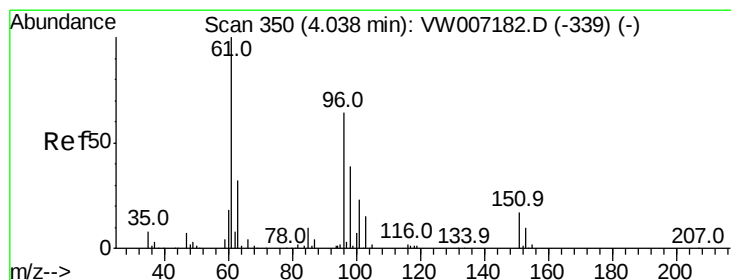
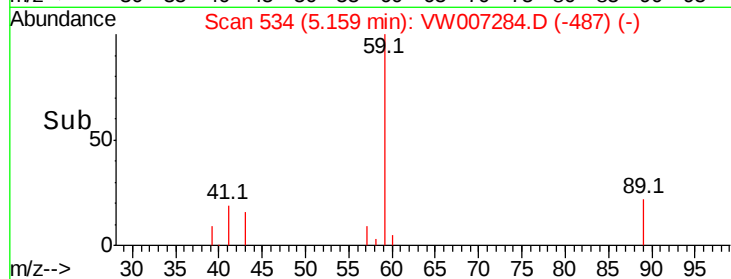
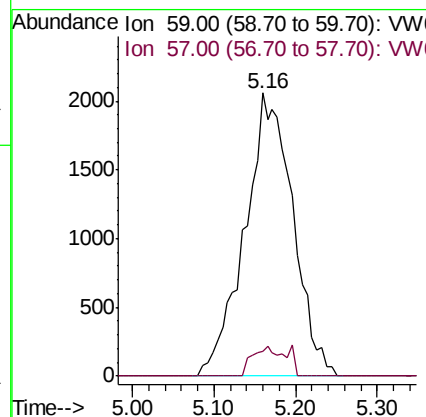
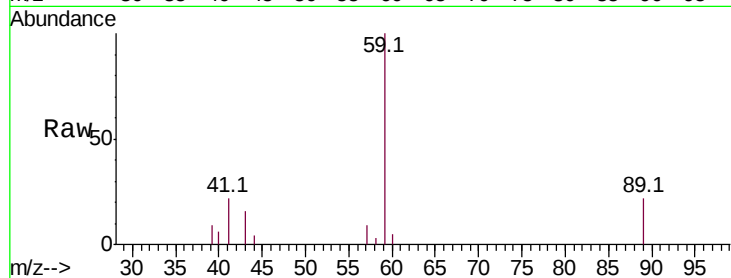


#11

Tert butyl alcohol
 Concen: 88.984 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Instrument :
 MSVOA_W
 ClientSampleId :

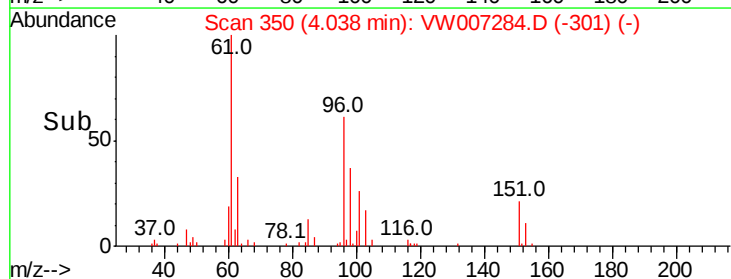
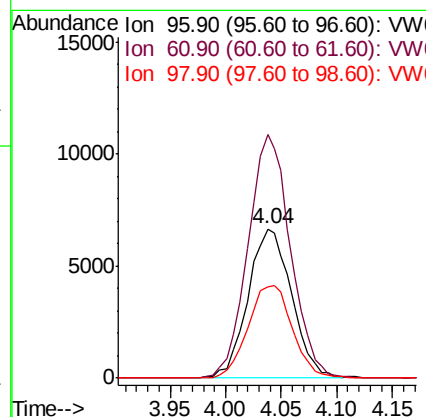
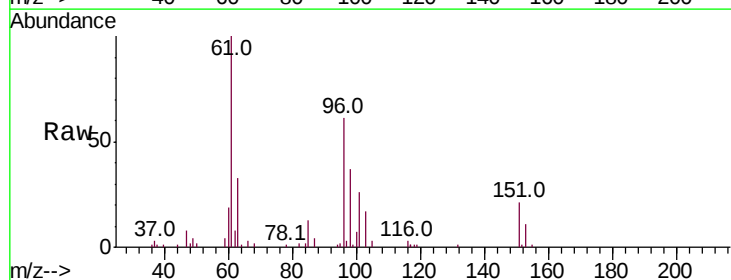
Tot Ion: 59 Resp: 8413
 Ion Ratio Lower Upper
 59 100
 57 5.1 7.1 10.7#

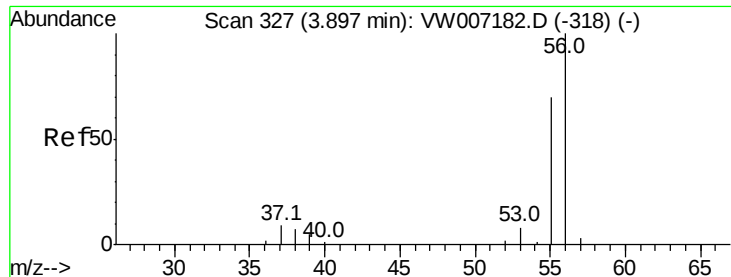


#12

1,1-Dichloroethene
 Concen: 20.225 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion: 96 Resp: 18119
 Ion Ratio Lower Upper
 96 100
 61 163.0 124.1 186.1
 98 60.9 48.6 72.8





#13

Acrolein

Concen: 95.183 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

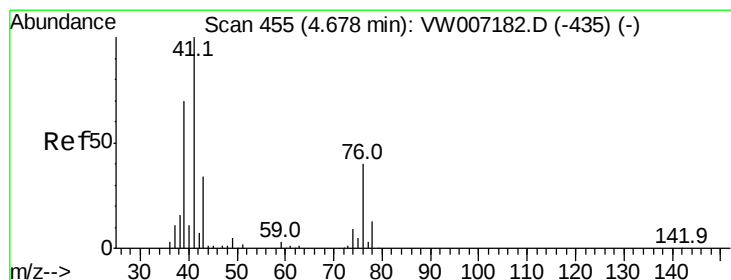
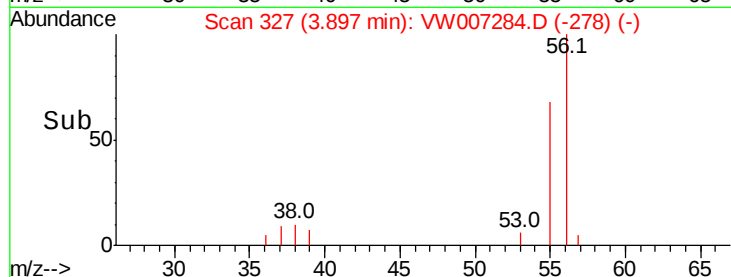
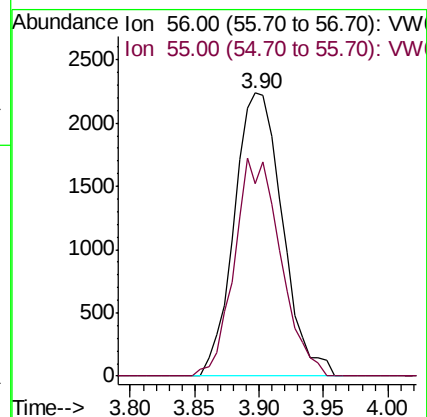
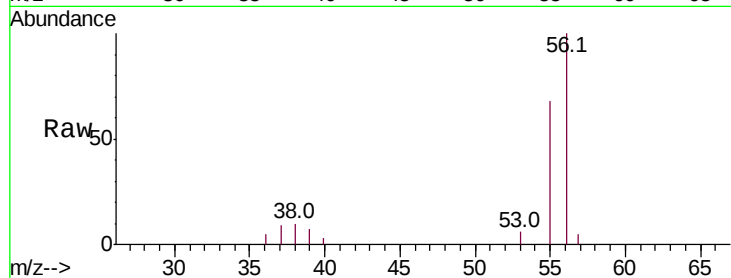
ClientSampleId :

Tot Ion: 56 Resp: 5810

Ion Ratio Lower Upper

56 100

55 73.6 56.9 85.3



#14

Allyl chloride

Concen: 19.253 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

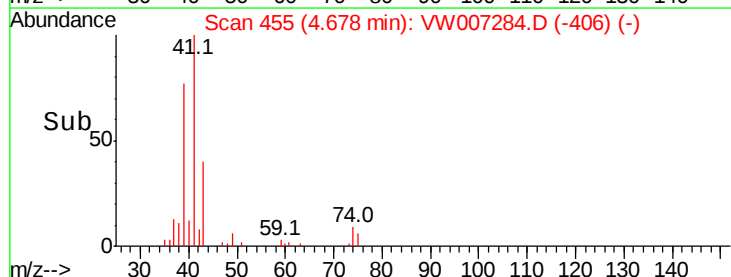
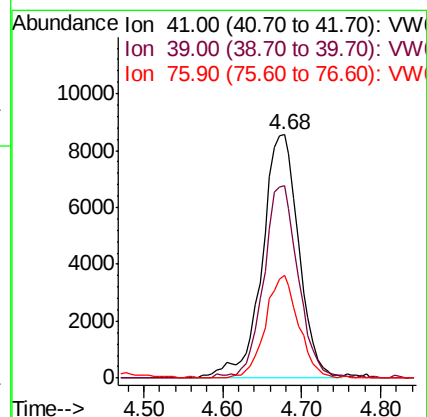
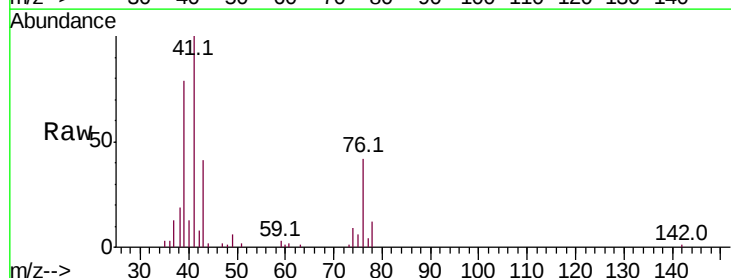
Tgt Ion: 41 Resp: 27647

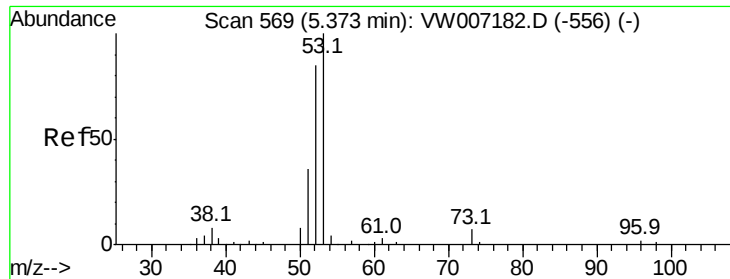
Ion Ratio Lower Upper

41 100

39 74.7 55.9 83.9

76 38.1 30.8 46.2





#15

Acrylonitrile

Concen: 103.186 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

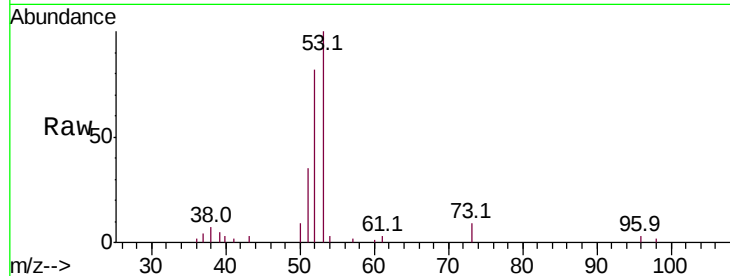
Tot Ion: 53 Resp: 19028

Ion Ratio Lower Upper

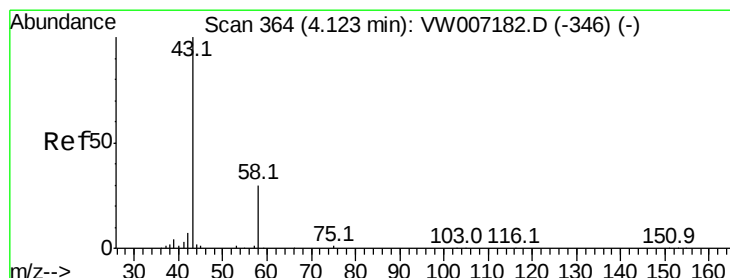
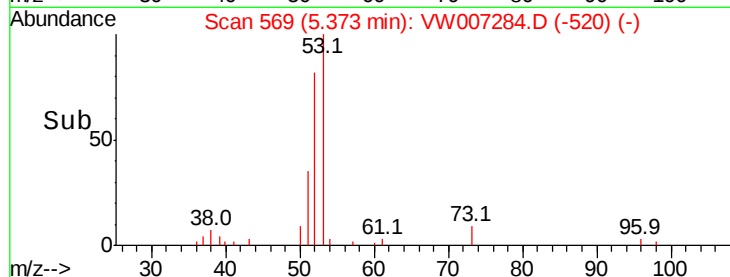
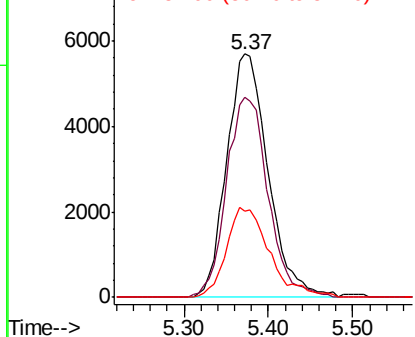
53 100

52 82.4 66.1 99.1

51 38.3 30.3 45.5



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



#16

Acetone

Concen: 95.060 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007284.D

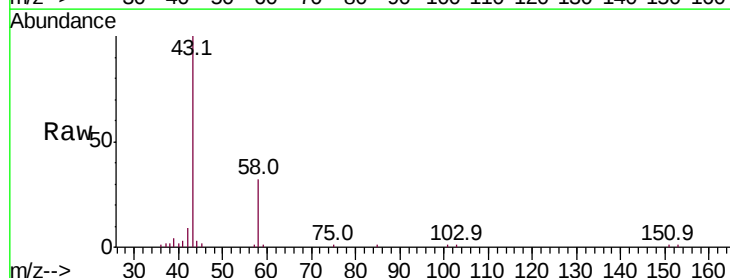
Acq: 06 Dec 2018 17:48

Tgt Ion: 43 Resp: 19604

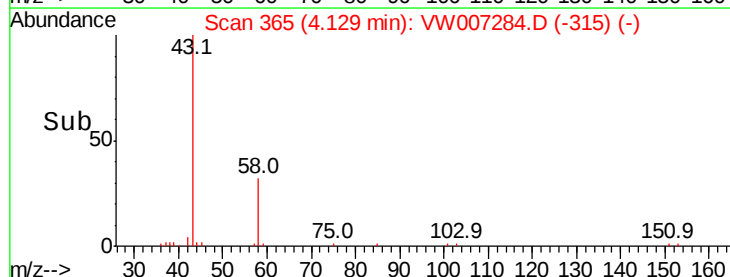
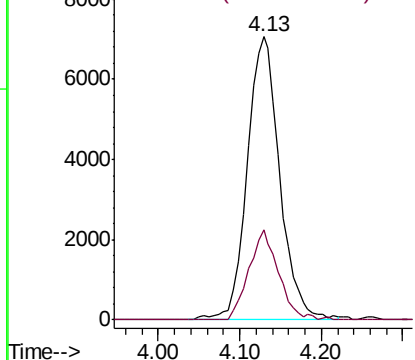
Ion Ratio Lower Upper

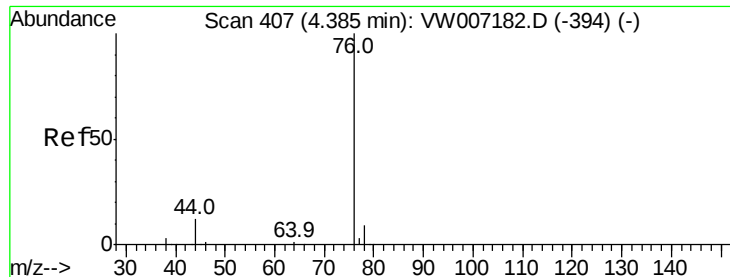
43 100

58 31.8 23.8 35.8



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

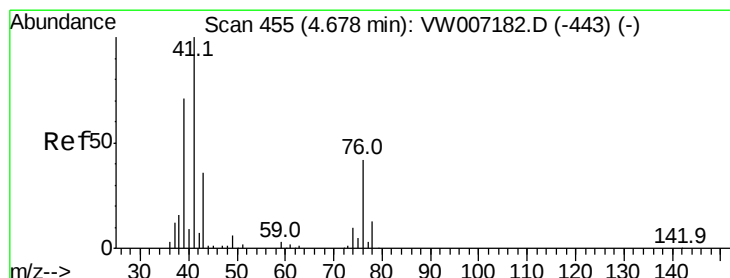
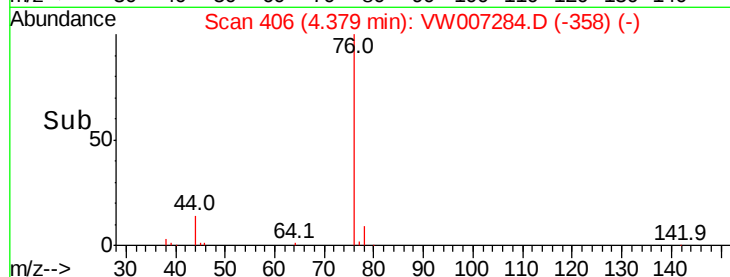
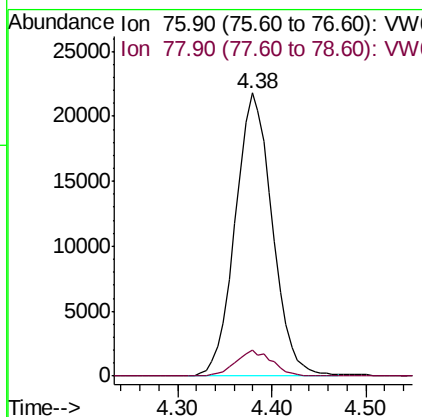
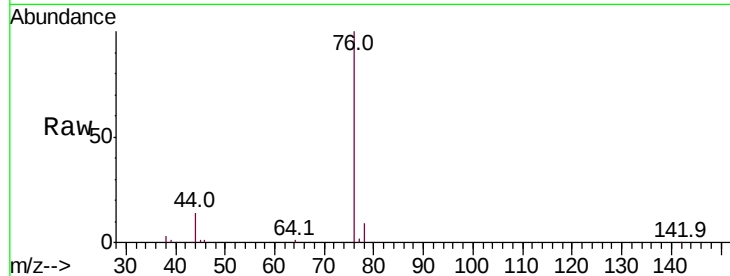




#17
Carbon Disulfide
Concen: 20.310 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

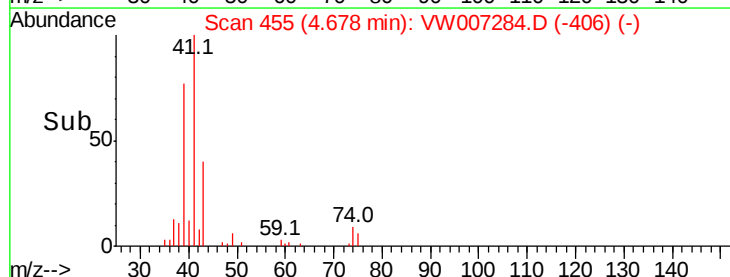
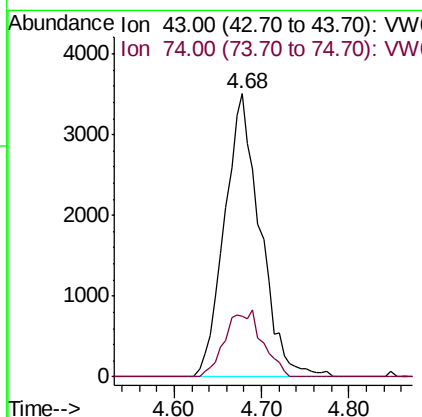
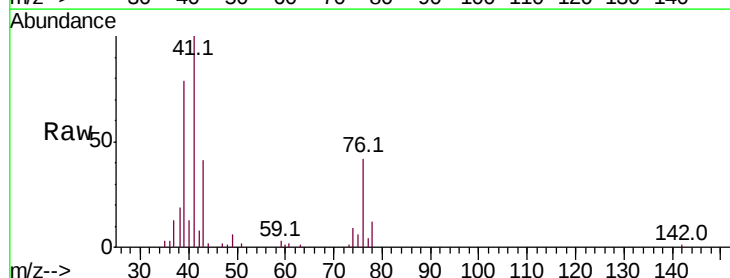
Instrument :
MSVOA_W
ClientSampleId :

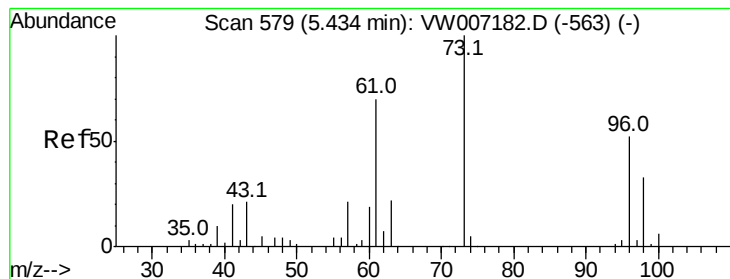
Tot Ion: 76 Resp: 59976
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 21.131 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion: 43 Resp: 9947
Ion Ratio Lower Upper
43 100
74 24.6 20.1 30.1



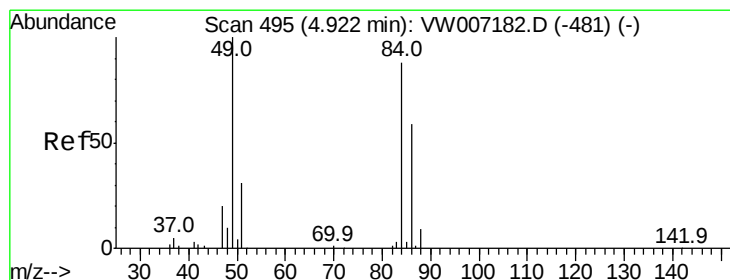
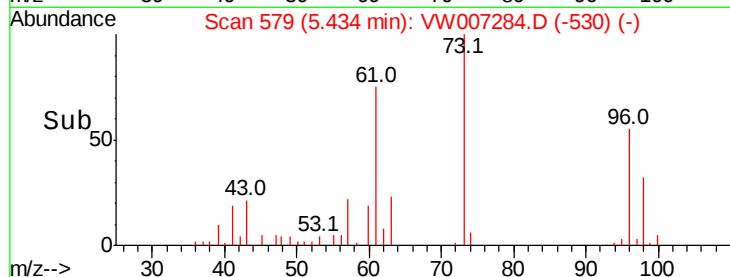
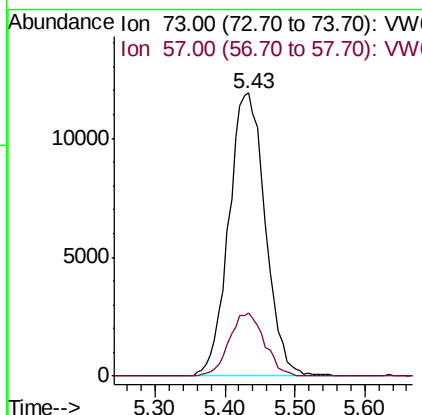
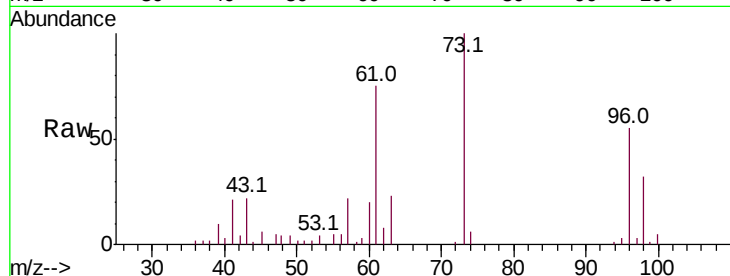


#19

Methyl tert-butyl Ether
 Concen: 20.387 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Instrument :
 MSVOA_W
 ClientSampled :

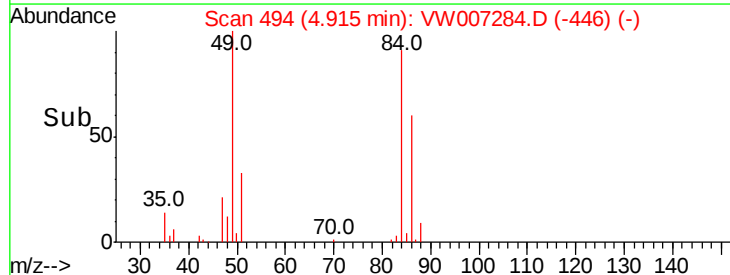
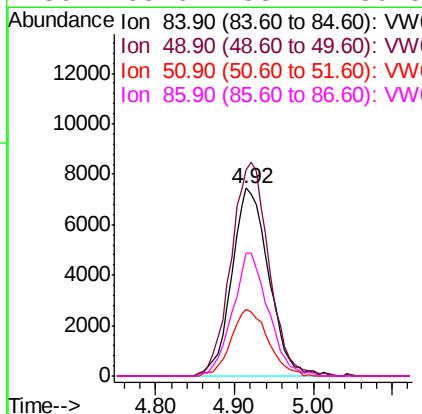
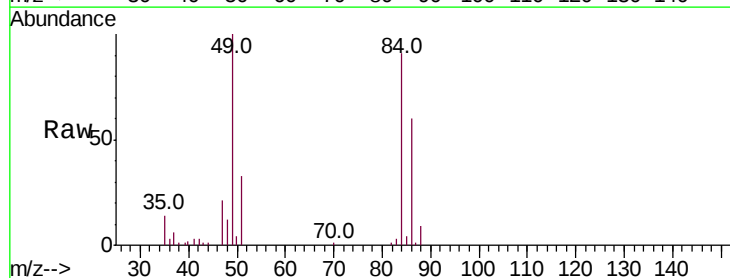
Tot Ion: 73 Resp: 43002
 Ion Ratio Lower Upper
 73 100
 57 22.2 16.6 25.0

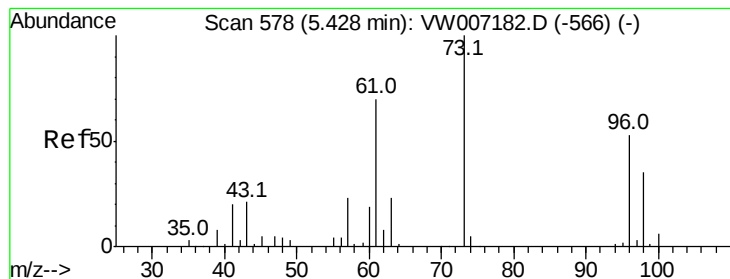


#20

Methylene Chloride
 Concen: 20.257 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion: 84 Resp: 24260
 Ion Ratio Lower Upper
 84 100
 49 109.7 90.6 135.8
 51 35.7 27.6 41.4
 86 65.6 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 20.100 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

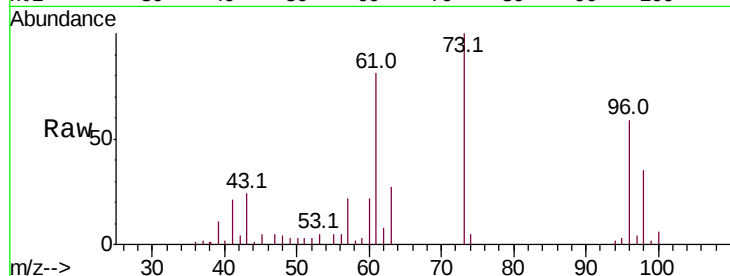
Tot Ion: 96 Resp: 20106

Ion Ratio Lower Upper

96 100

61 137.7 105.5 158.3

98 58.5 52.6 79.0

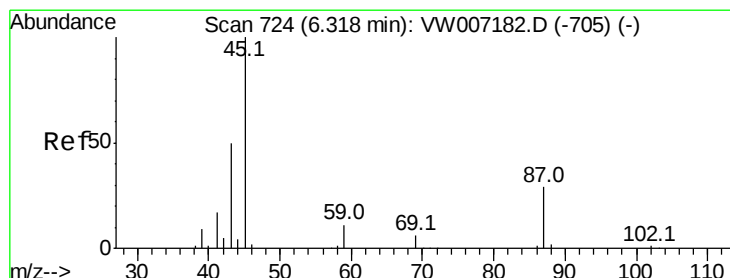
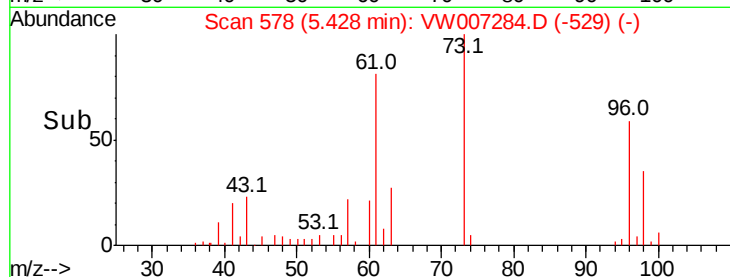
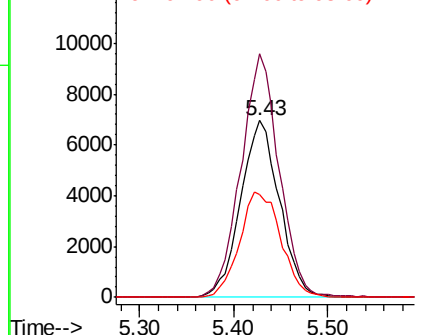


Abundance

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: 20.197 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Tgt Ion: 45 Resp: 52065

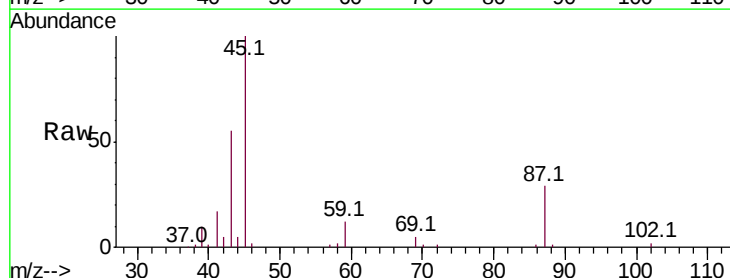
Ion Ratio Lower Upper

45 100

43 53.7 40.8 61.2

87 28.8 24.0 36.0

59 12.1 9.1 13.7



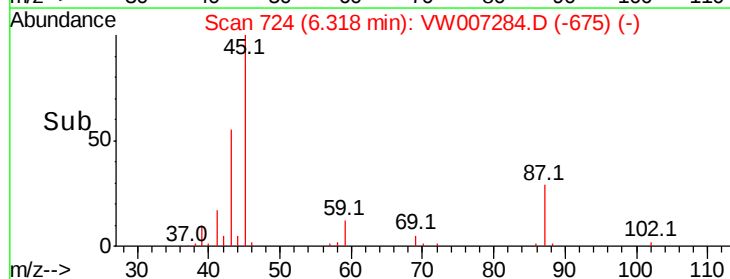
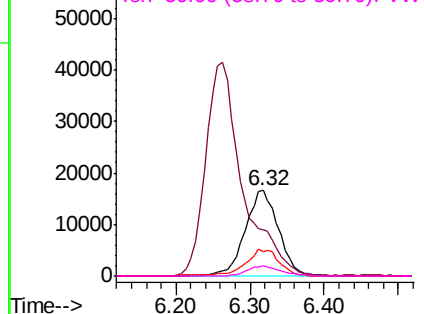
Abundance

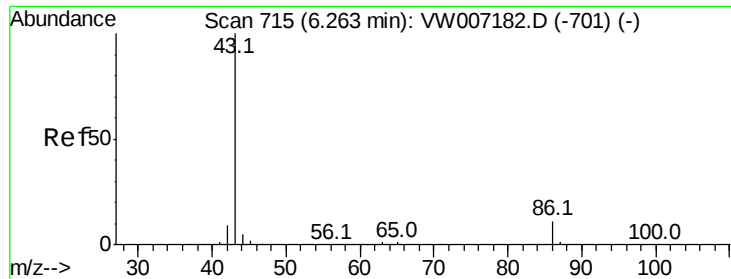
Ion 45.00 (44.70 to 45.70): VW

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: 101.711 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

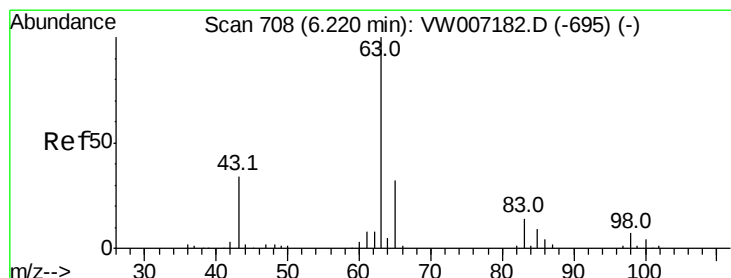
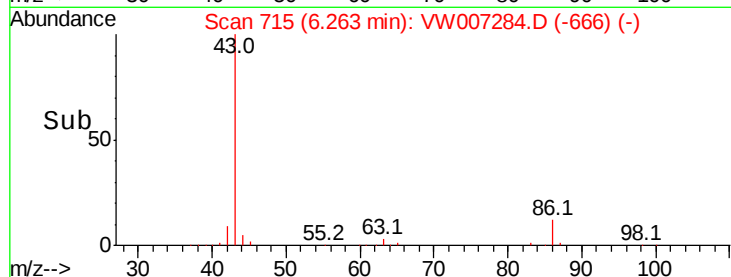
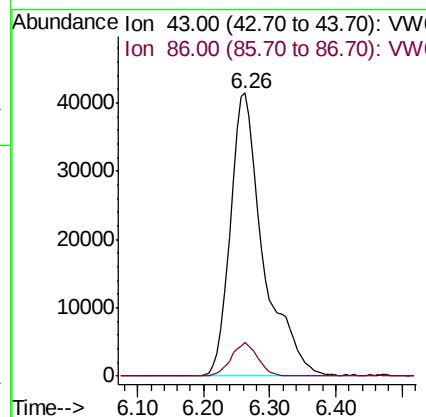
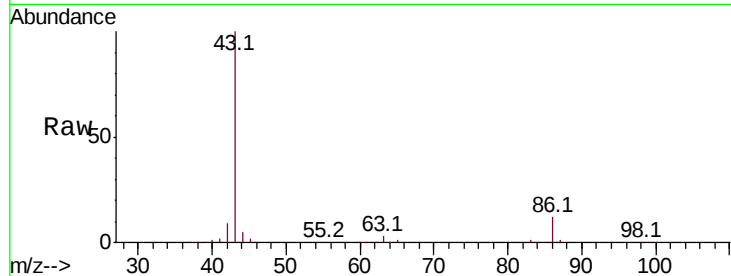
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 143066

Ion Ratio Lower Upper

43 100

86 11.8 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.225 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

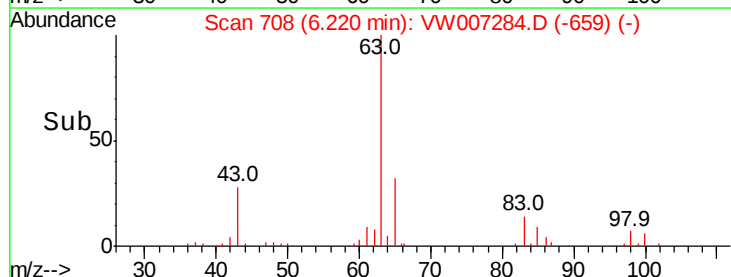
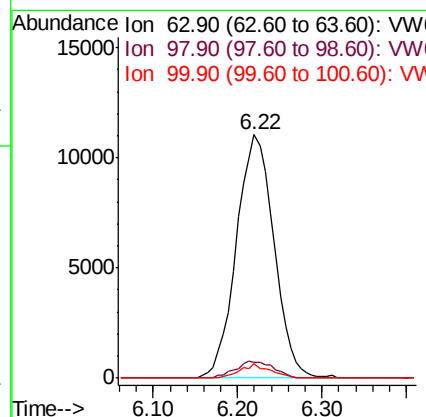
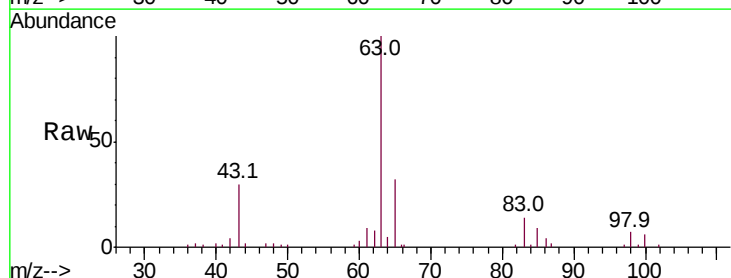
Tgt Ion: 63 Resp: 33416

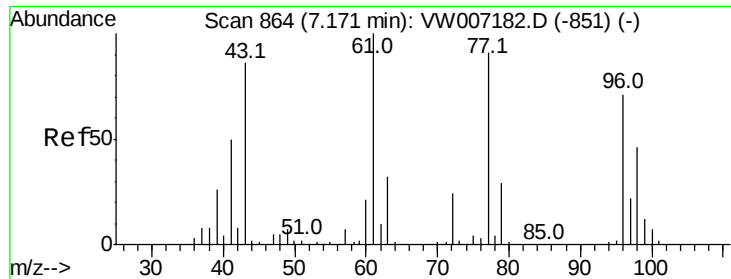
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 5.8 2.1 6.2

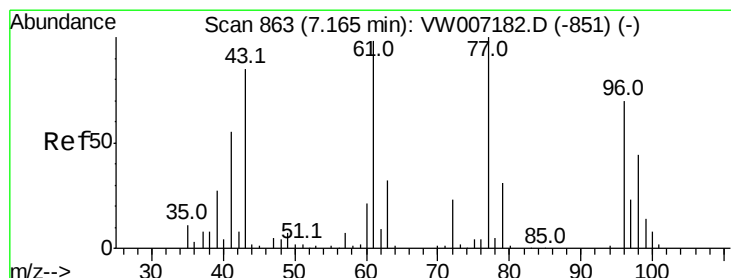
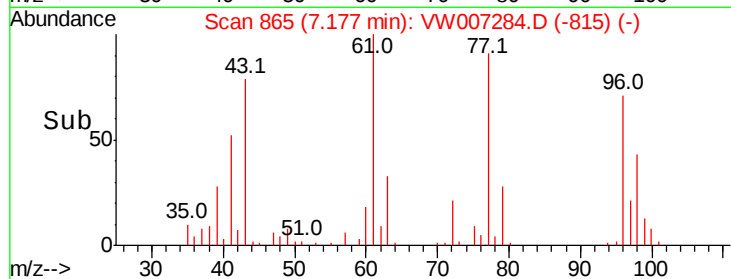
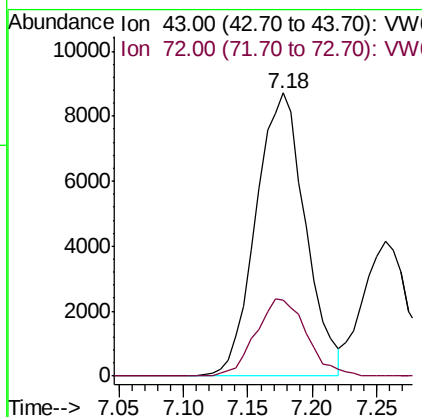
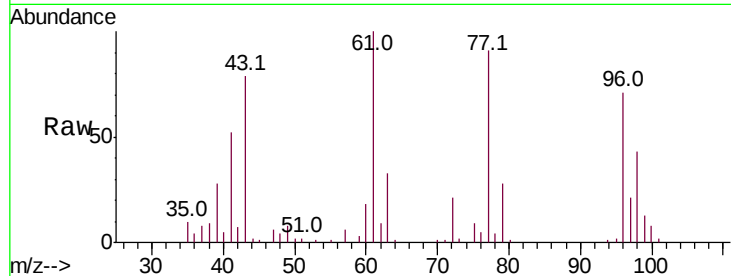




#25
2-Butanone
Concen: 97.226 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

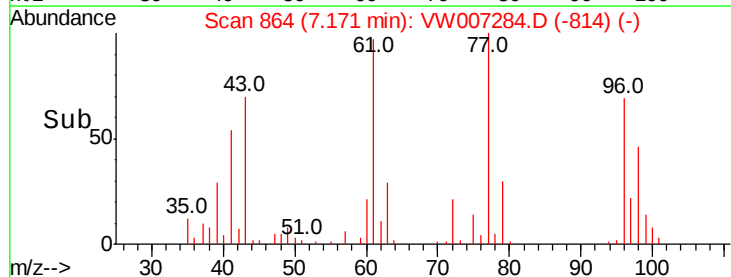
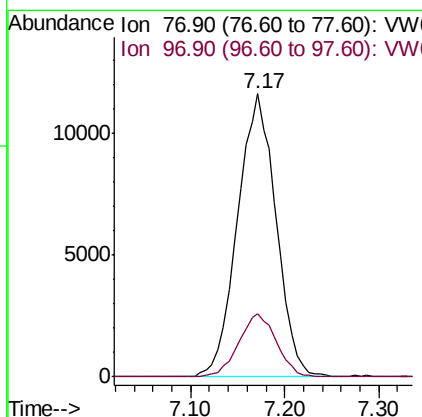
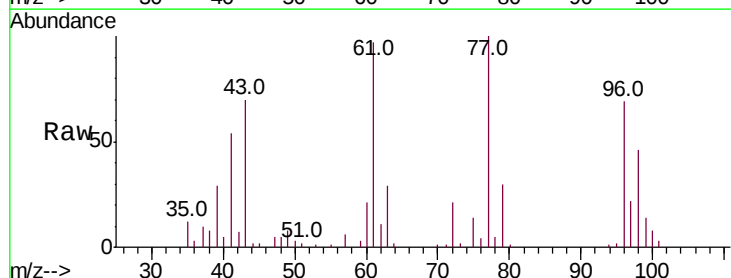
Instrument :
MSVOA_W
ClientSampled :

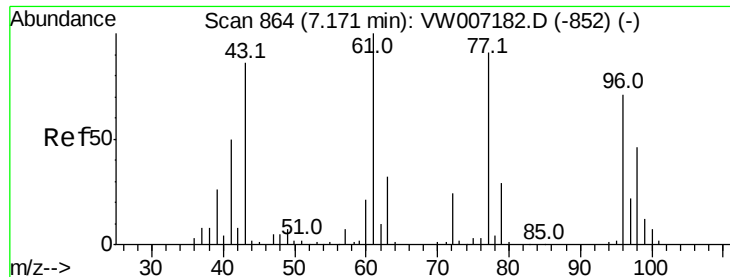
Tot Ion: 43 Resp: 23243
Ion Ratio Lower Upper
43 100
72 27.1 22.8 34.2



#26
2,2-Dichloropropane
Concen: 20.885 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion: 77 Resp: 33161
Ion Ratio Lower Upper
77 100
97 21.7 11.5 34.4

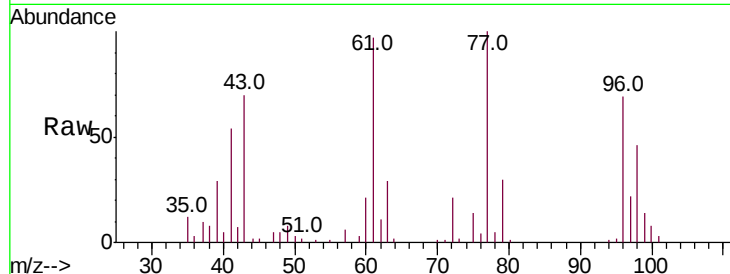




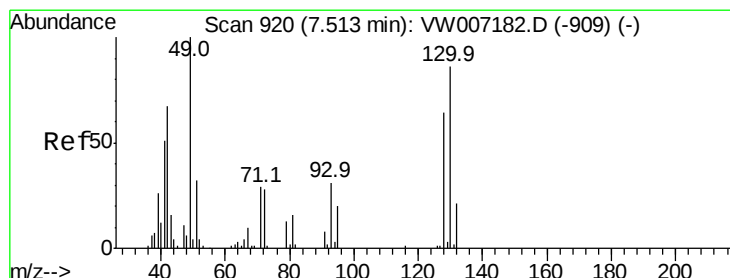
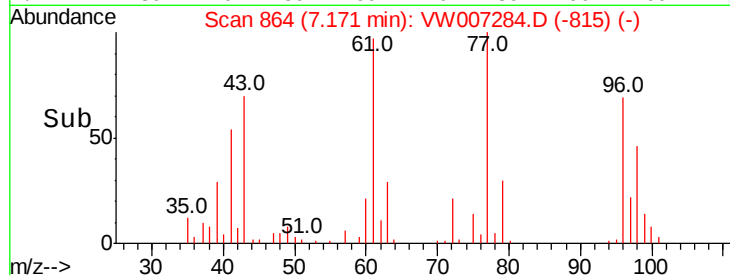
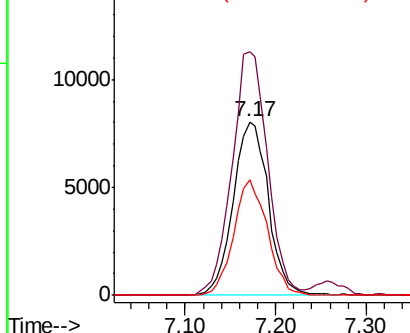
#27
 cis-1,2-Dichloroethene
 Concen: 20.187 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	96	Resp	21647
Ion Ratio	Lower	Upper	
96	100		
61	142.3	0.0	282.4
98	63.7	0.0	129.8

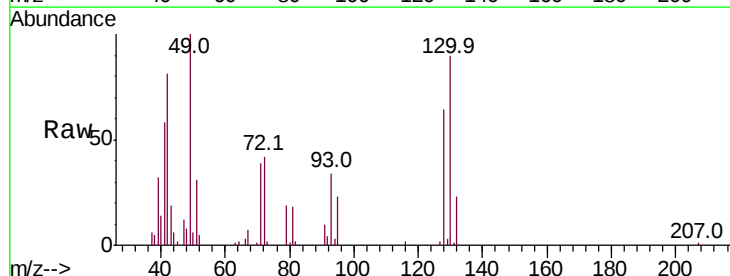


Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW

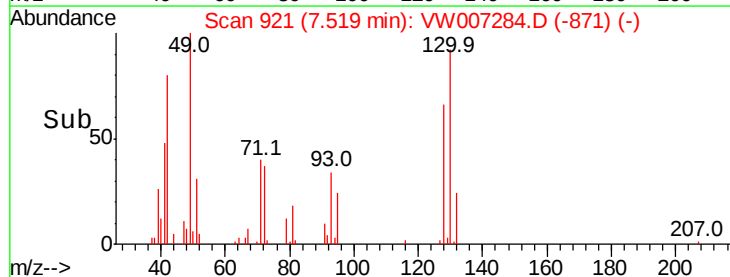
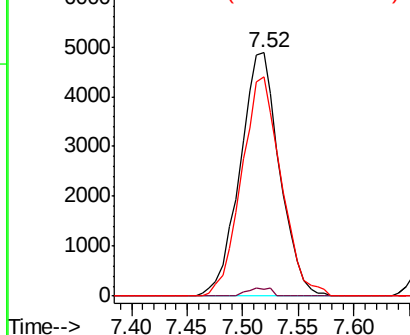


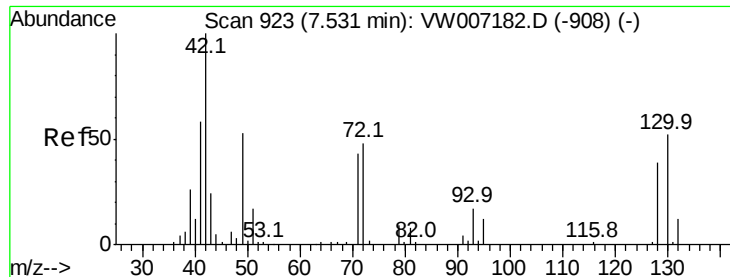
#28
 Bromochloromethane
 Concen: 20.258 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion	49	Resp	12069
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	90.0	70.3	105.5



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





#29

Tetrahydrofuran

Concen: 100.360 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

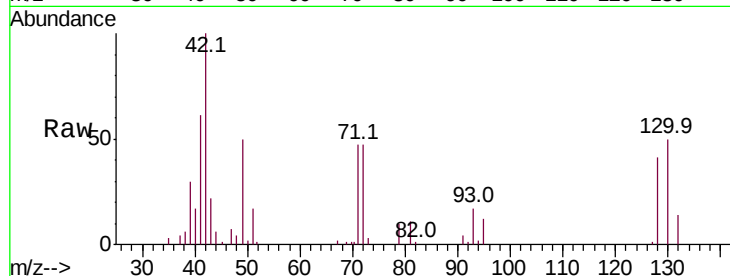
Tot Ion: 42 Resp: 14826

Ion Ratio Lower Upper

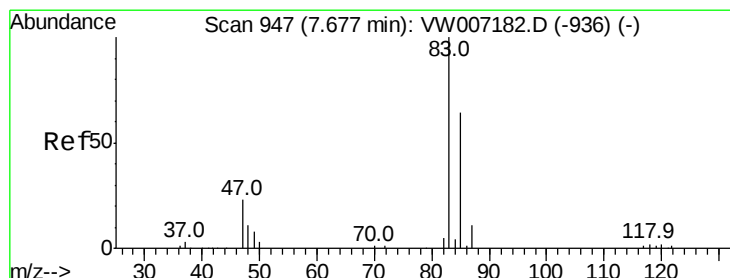
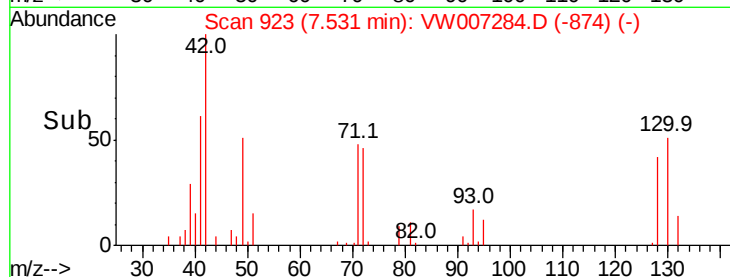
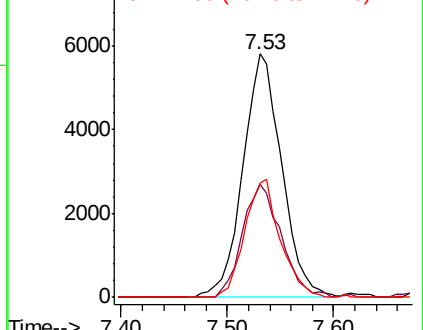
42 100

72 46.4 36.6 55.0

71 44.4 34.8 52.2



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



#30

Chloroform

Concen: 20.318 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW007284.D

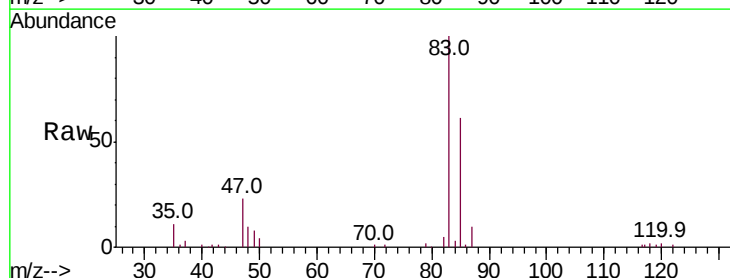
Acq: 06 Dec 2018 17:48

Tgt Ion: 83 Resp: 34889

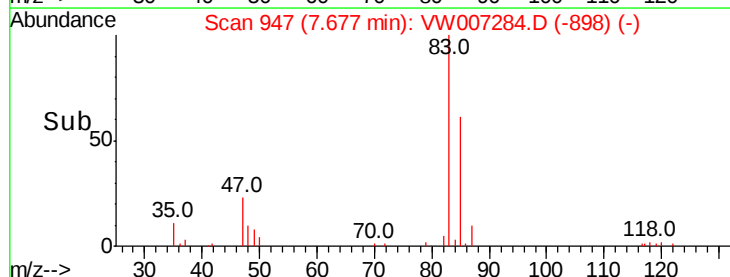
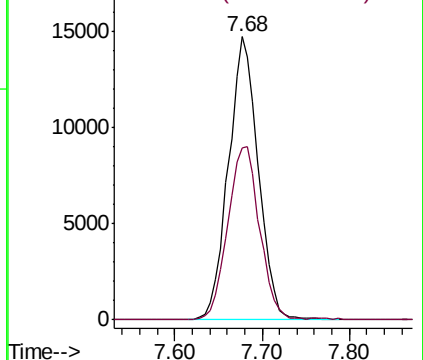
Ion Ratio Lower Upper

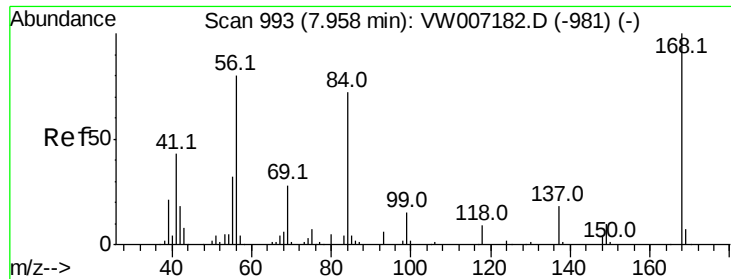
83 100

85 60.7 51.5 77.3



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

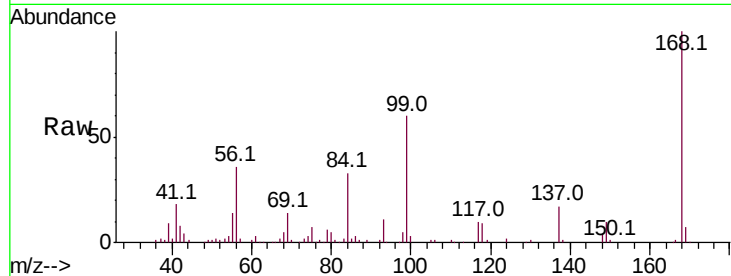




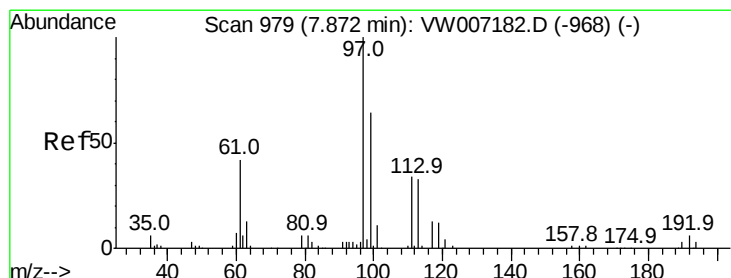
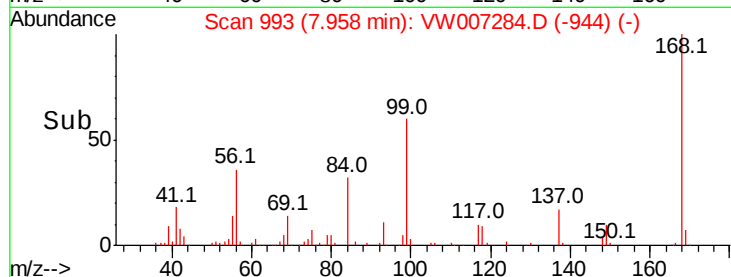
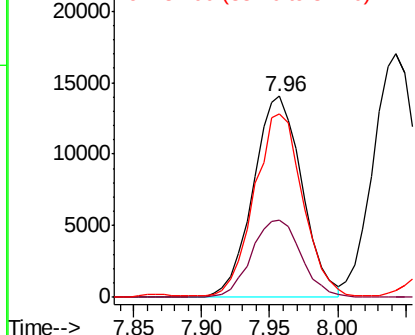
#31
Cyclohexane
Concen: 20.381 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 35234
Ion Ratio Lower Upper
56 100
69 38.1 28.2 42.2
84 90.6 72.1 108.1

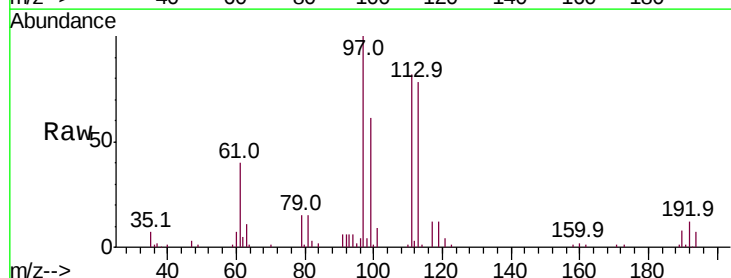


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

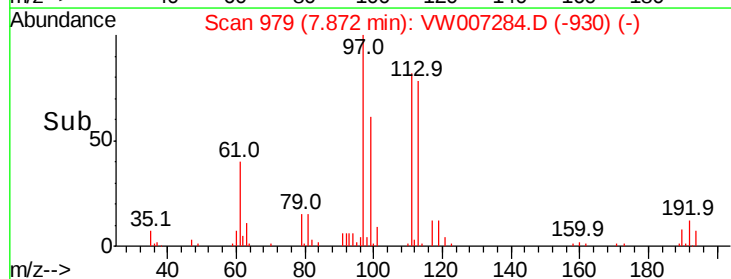
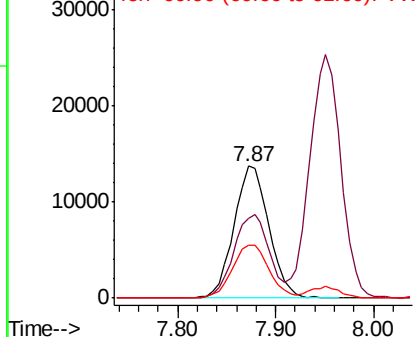


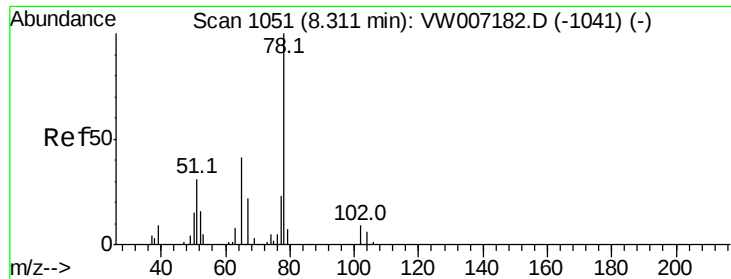
#32
1,1,1-Trichloroethane
Concen: 21.065 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion: 97 Resp: 34040
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 42.3 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

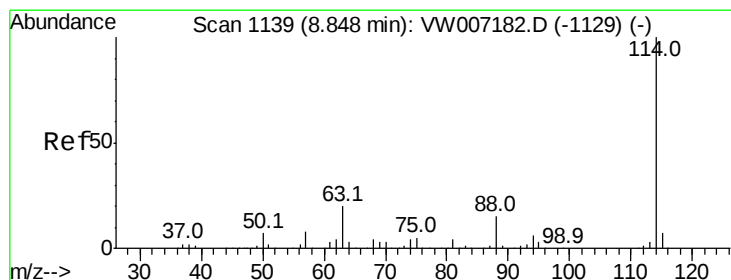
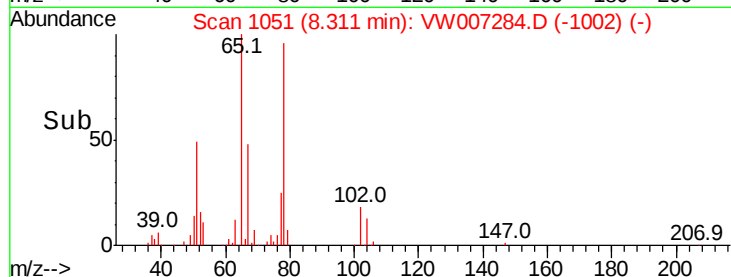
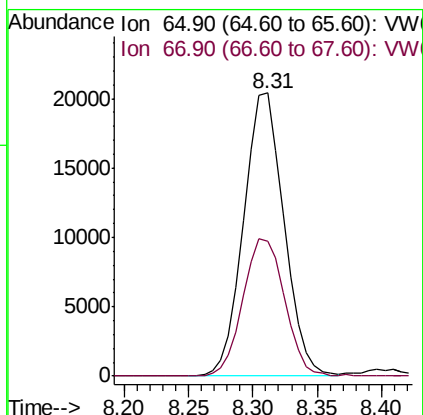
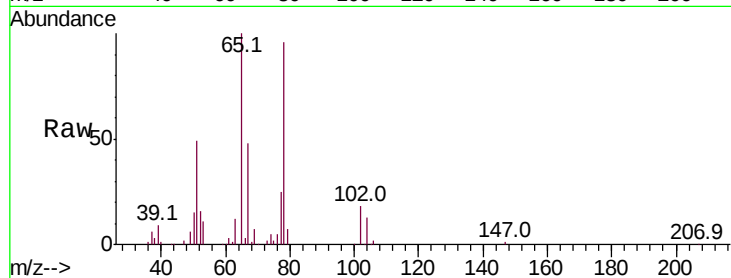




#33
 1,2-Dichloroethane-d4
 Concen: 50.912 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

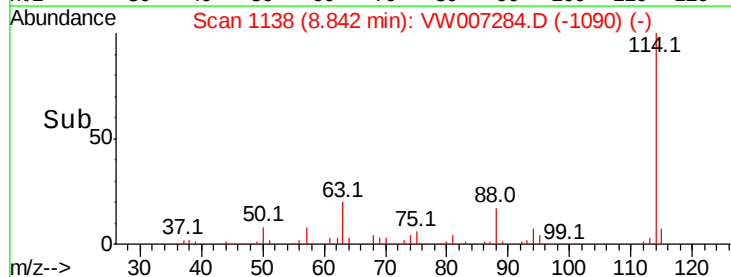
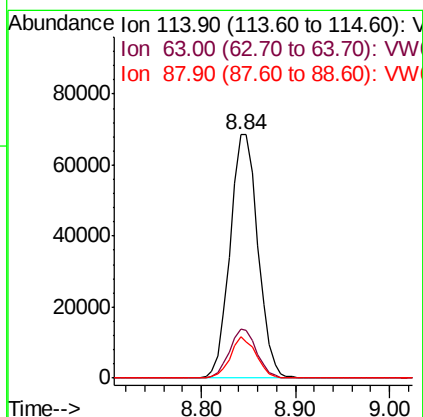
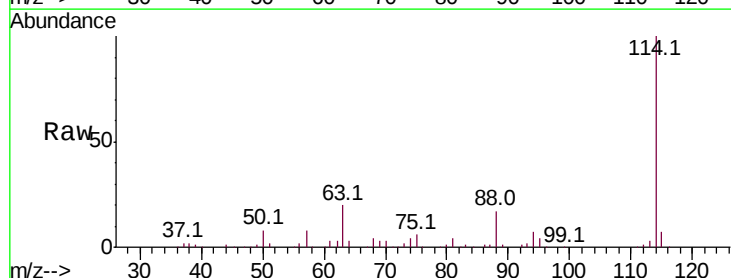
Instrument :
 MSVOA_W
 ClientSampleId :

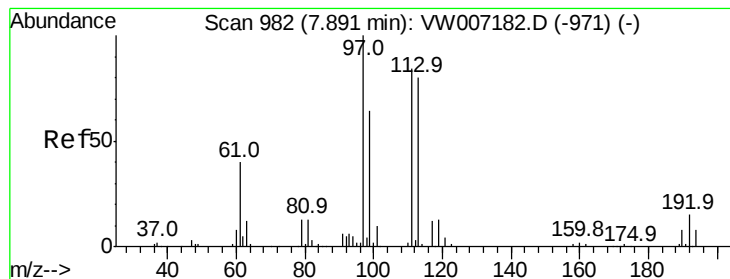
Tot Ion: 65 Resp: 44351
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion: 114 Resp: 140820
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 17.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.249 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampled :

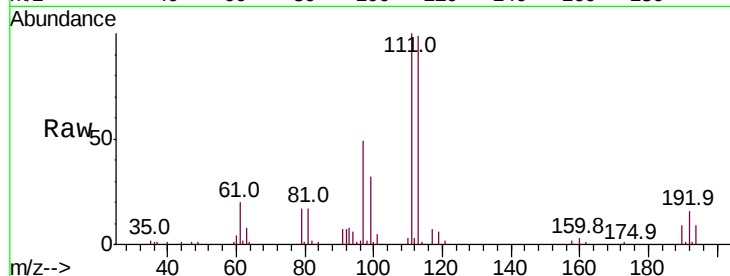
Tot Ion:113 Resp: 41324

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

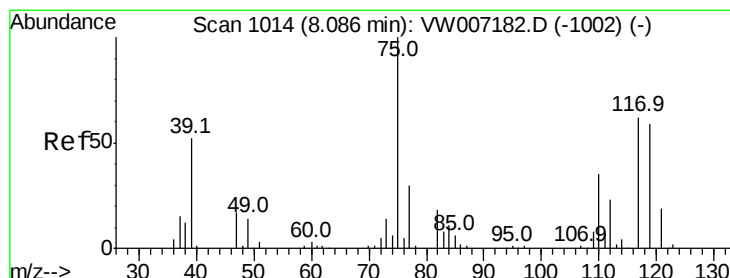
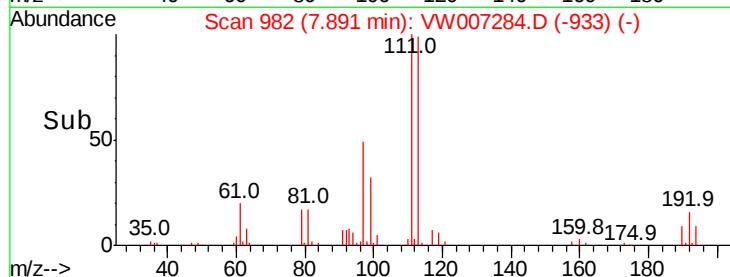
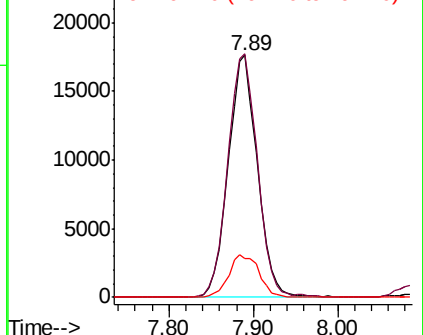
192 18.1 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.206 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

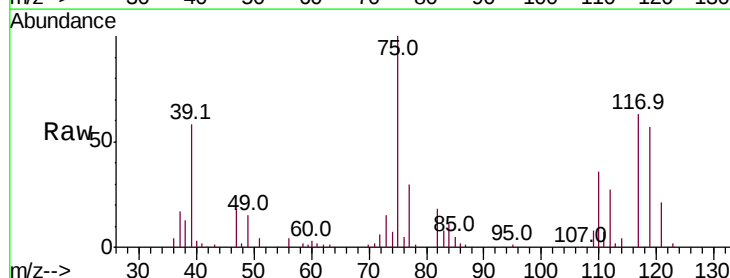
Tgt Ion: 75 Resp: 29056

Ion Ratio Lower Upper

75 100

110 36.8 18.3 54.9

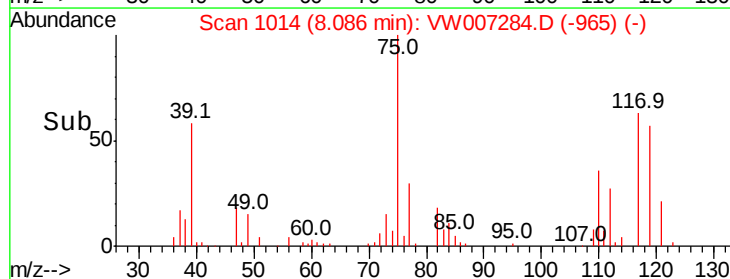
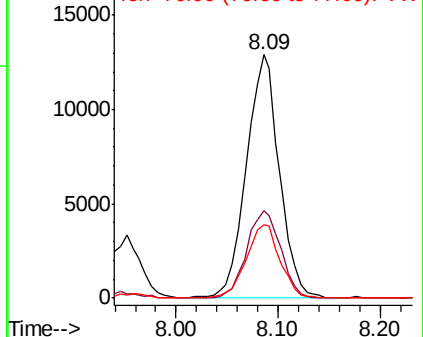
77 30.9 24.9 37.3

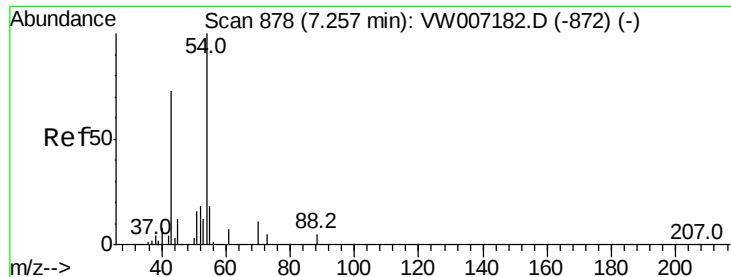


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

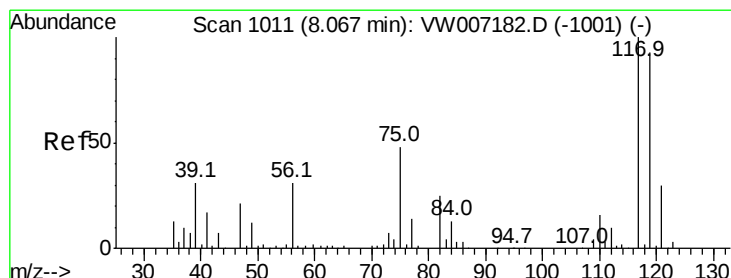
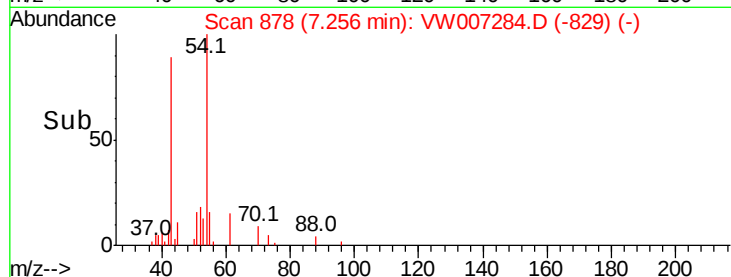
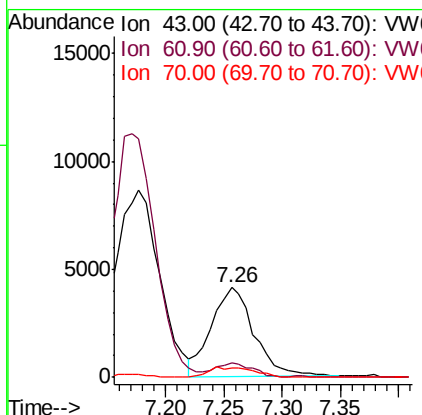
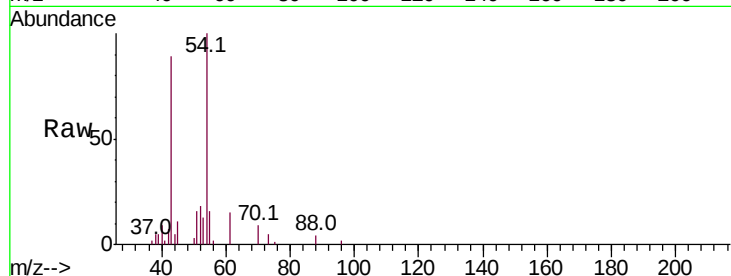




#37
Ethyl Acetate
Concen: 21.038 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

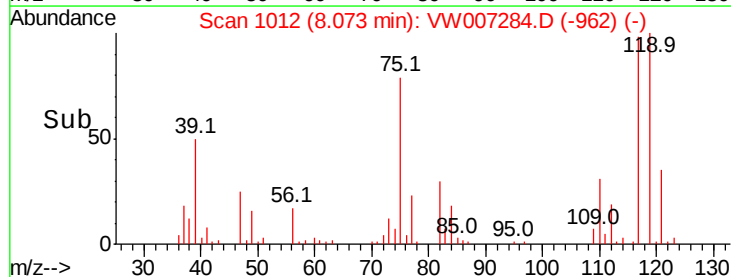
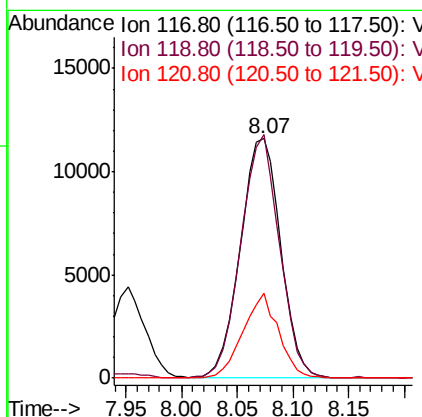
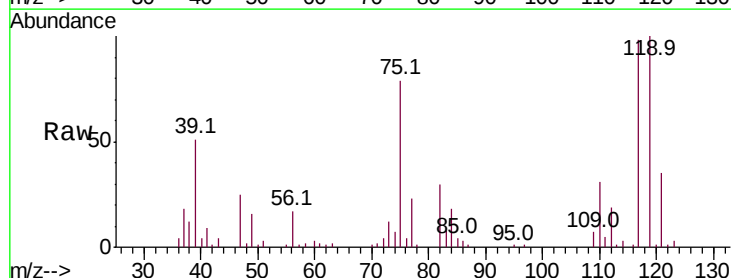
Instrument :
MSVOA_W
ClientSampled :

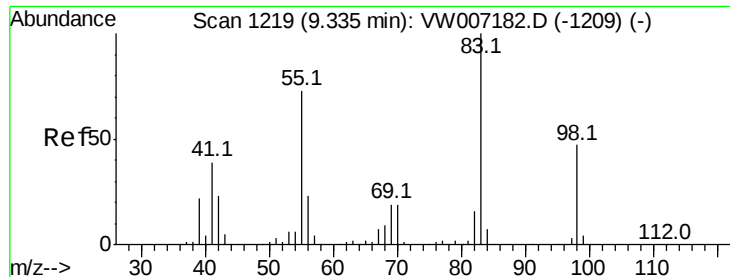
Tot Ion: 43 Resp: 10427
Ion Ratio Lower Upper
43 100
61 14.2 12.1 18.1
70 11.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 20.971 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion: 117 Resp: 29329
Ion Ratio Lower Upper
117 100
119 101.6 74.1 111.1
121 35.6 23.9 35.9

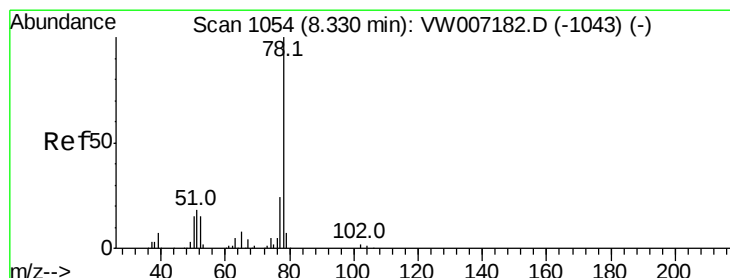
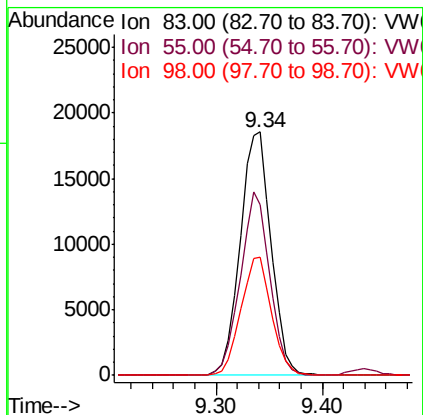
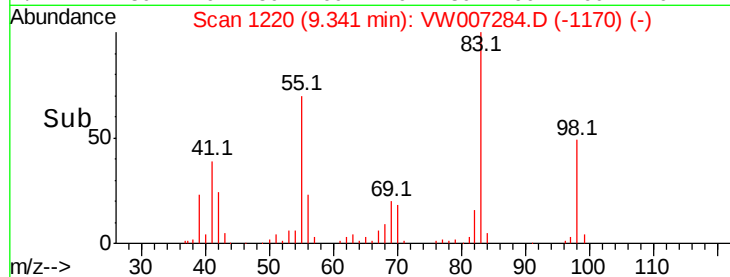
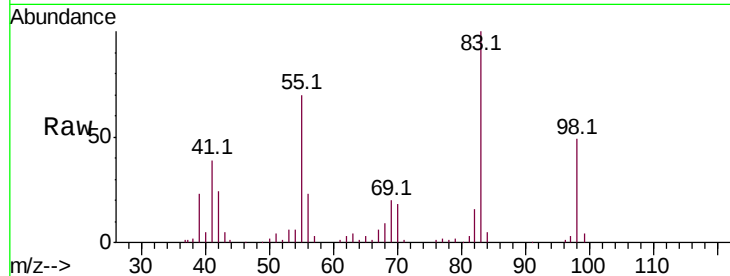




#39
Methvlcvclohexane
Concen: 20.611 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

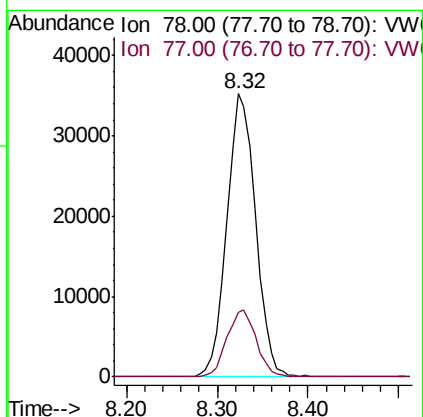
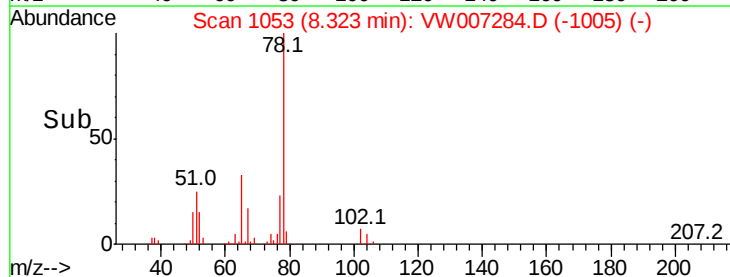
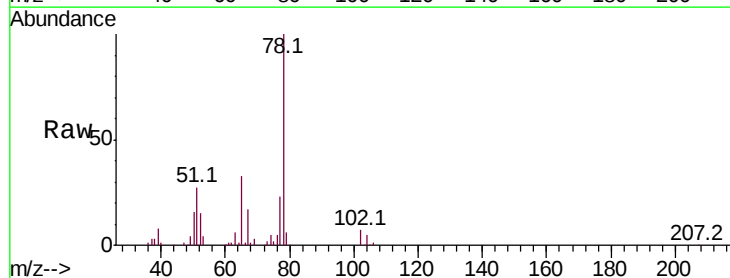
Instrument :
MSVOA_W
ClientSampleId :

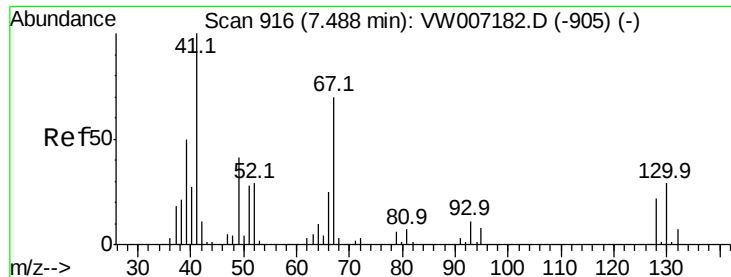
Tot Ion: 83 Resp: 37805
Ion Ratio Lower Upper
83 100
55 70.3 58.1 87.1
98 48.7 37.3 55.9



#40
Benzene
Concen: 20.656 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion: 78 Resp: 77609
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3





#41

Methacrylonitrile

Concen: 21.773 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 6464

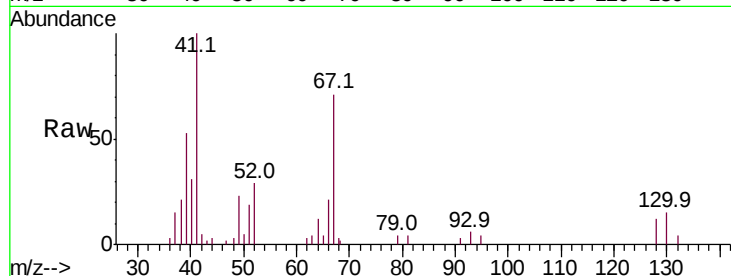
Ion Ratio Lower Upper

41 100

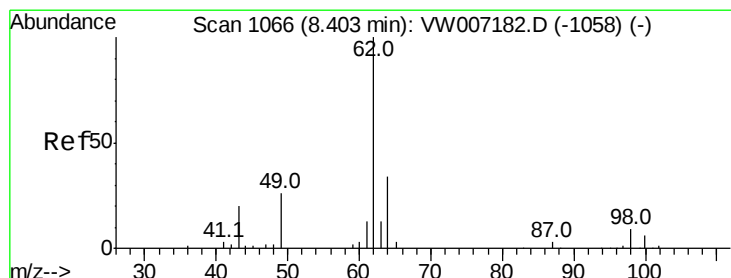
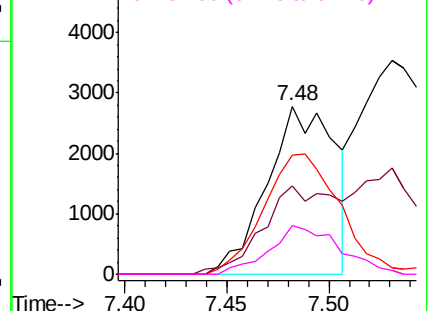
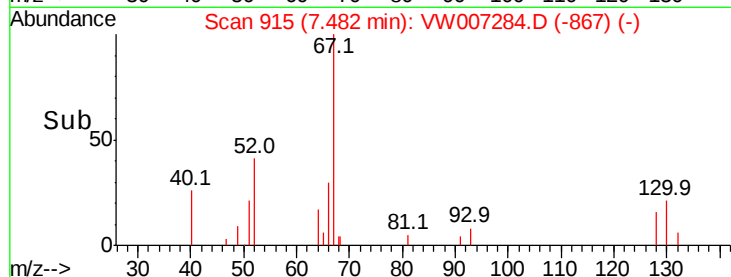
39 49.6 43.4 65.0

67 79.8 57.4 86.0

52 29.7 23.3 34.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.991 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW007284.D

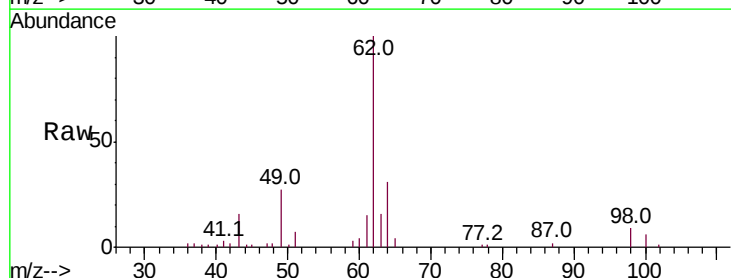
Acq: 06 Dec 2018 17:48

Tgt Ion: 62 Resp: 23092

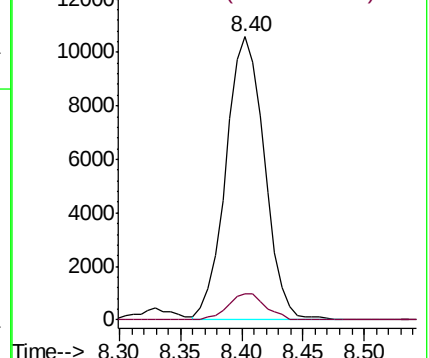
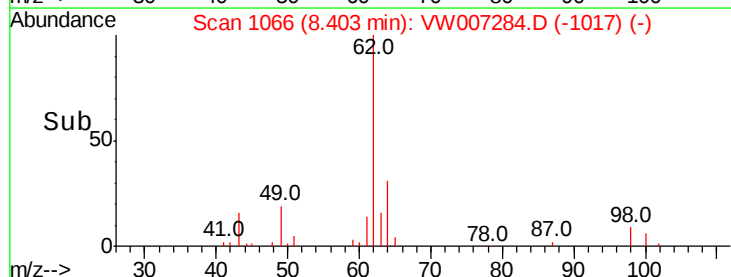
Ion Ratio Lower Upper

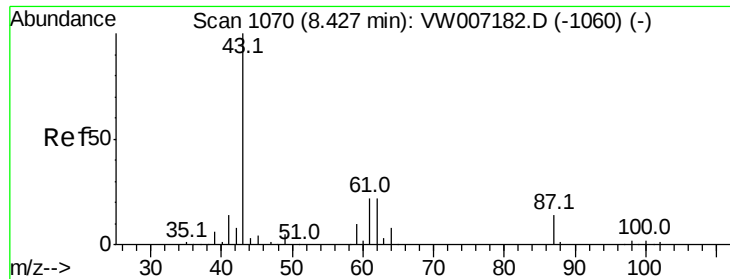
62 100

98 9.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.493 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

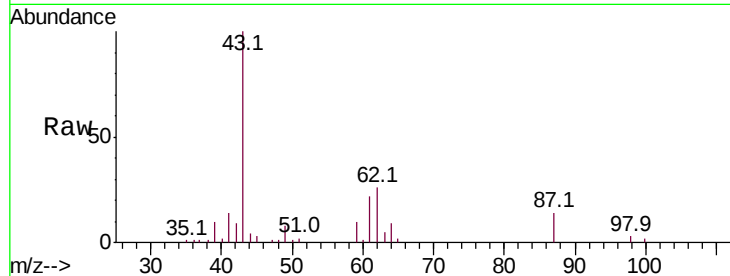
Tot Ion: 43 Resp: 20690

Ion Ratio Lower Upper

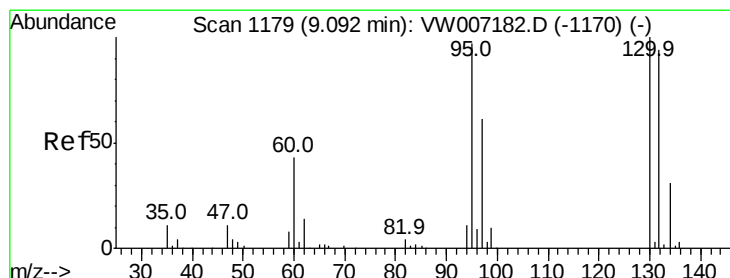
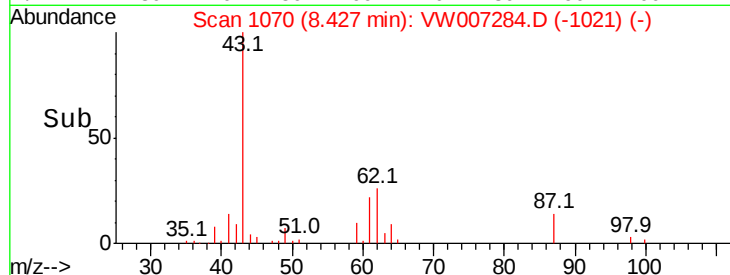
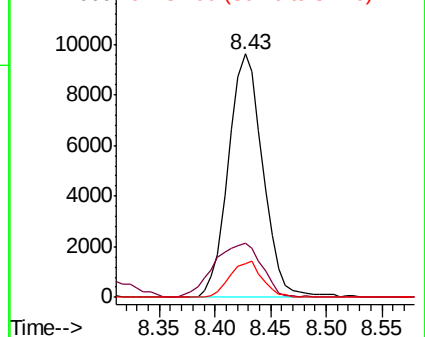
43 100

61 30.9 25.4 38.0

87 13.9 11.4 17.0



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



#44

Trichloroethene

Concen: 21.473 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007284.D

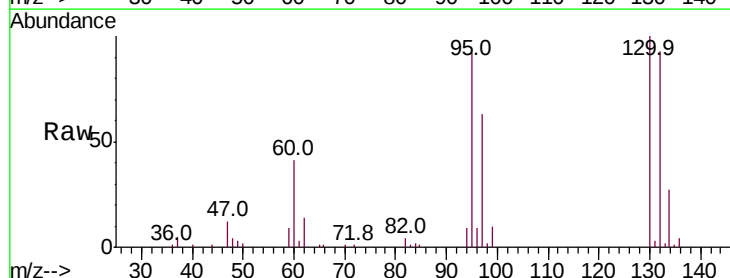
Acq: 06 Dec 2018 17:48

Tgt Ion:130 Resp: 22678

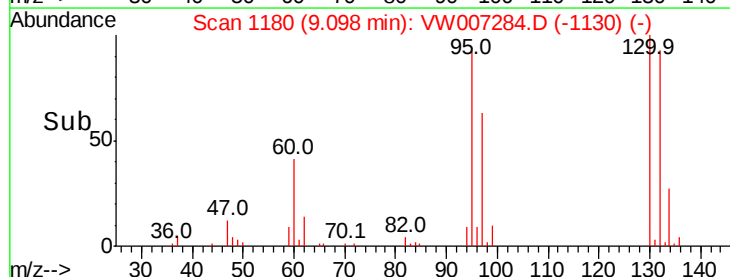
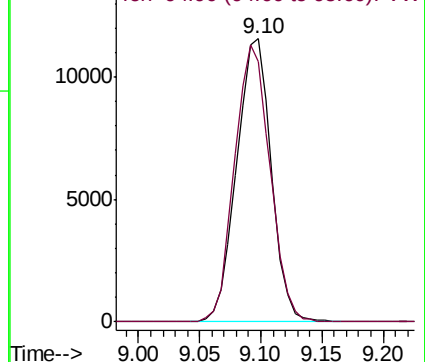
Ion Ratio Lower Upper

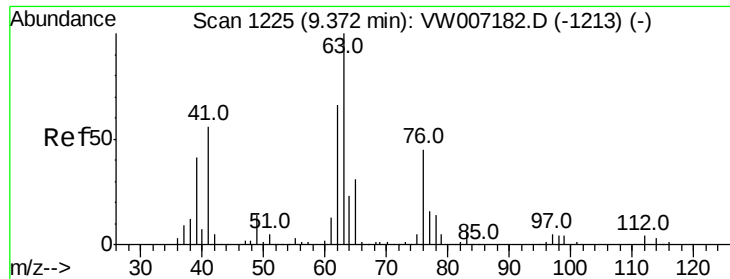
130 100

95 91.9 0.0 194.0



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





#45

1,2-Dichloropropane

Concen: 20.754 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

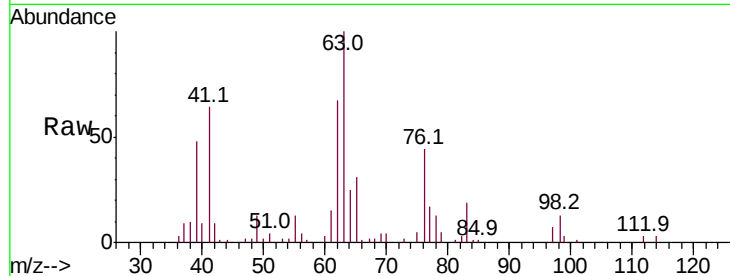
ClientSampled :

Tot Ion: 63 Resp: 18146

Ion Ratio Lower Upper

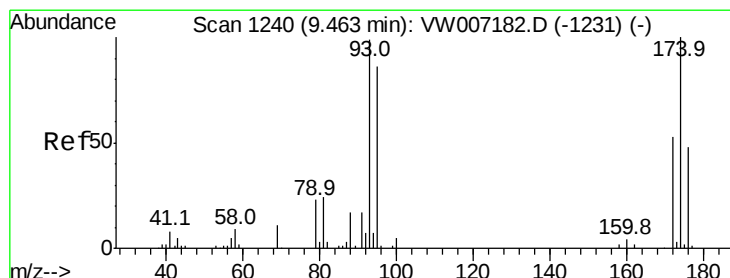
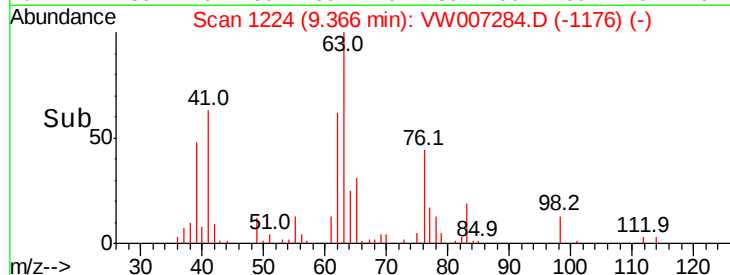
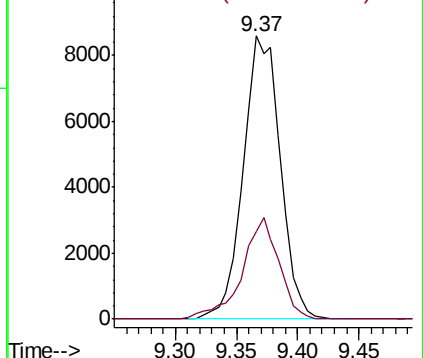
63 100

65 30.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.337 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

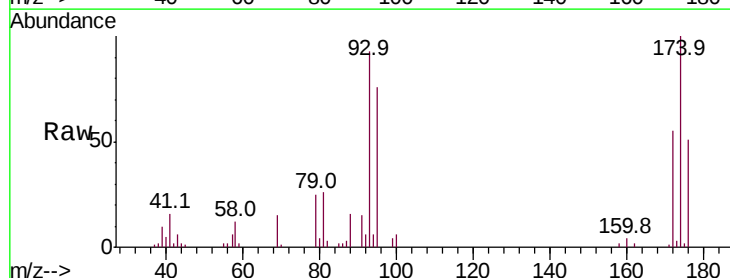
Tgt Ion: 93 Resp: 9694

Ion Ratio Lower Upper

93 100

95 82.8 68.7 103.1

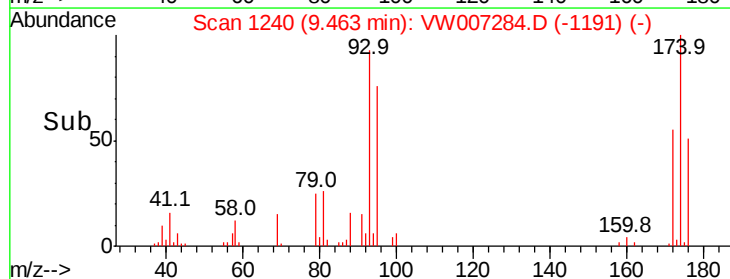
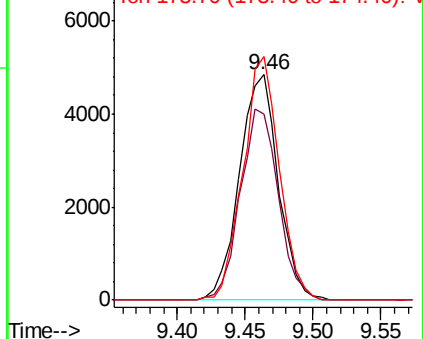
174 101.3 82.9 124.3

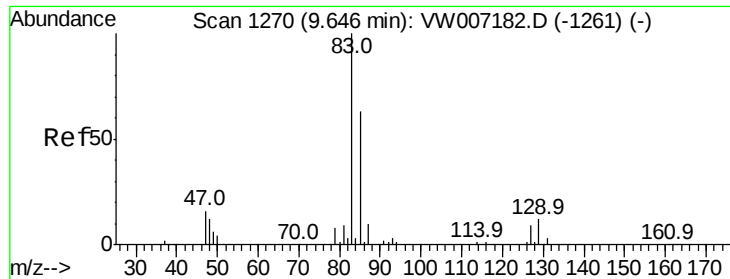


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.520 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

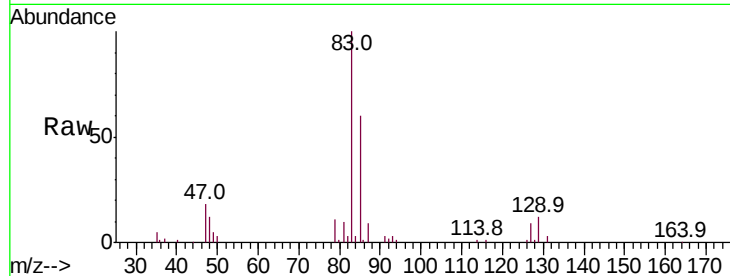
Tot Ion: 83 Resp: 25718

Ion Ratio Lower Upper

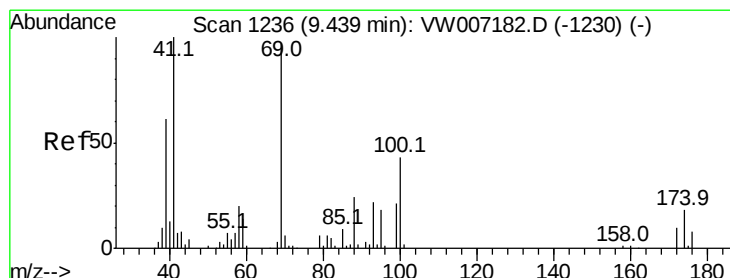
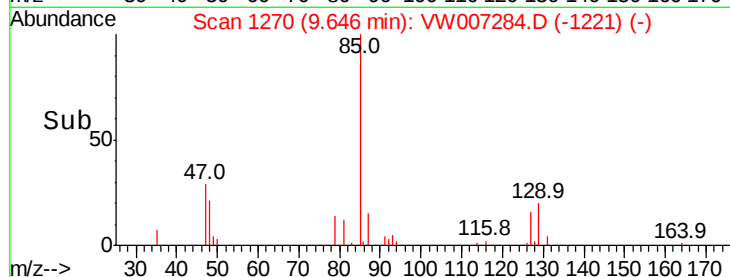
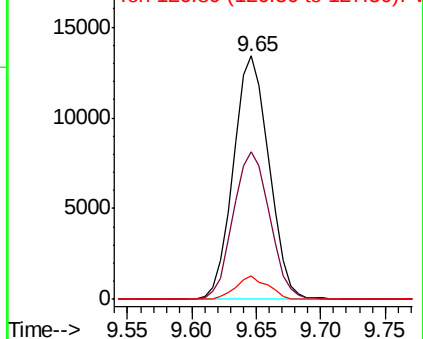
83 100

85 60.4 50.6 76.0

127 9.4 7.3 10.9



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: 22.031 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

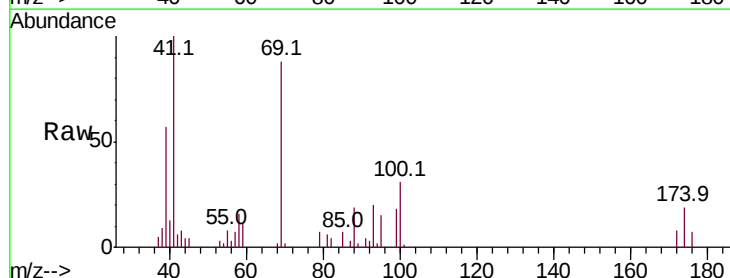
Tgt Ion: 41 Resp: 11007

Ion Ratio Lower Upper

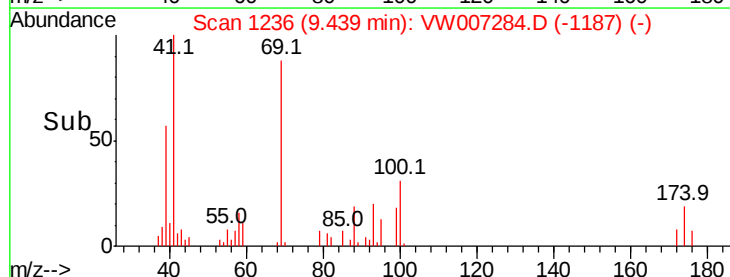
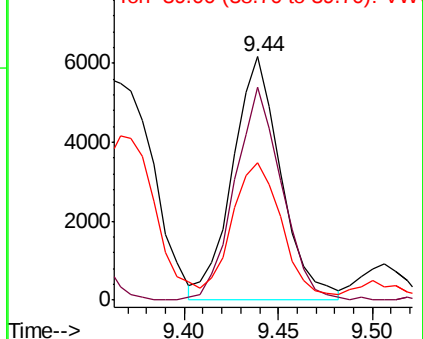
41 100

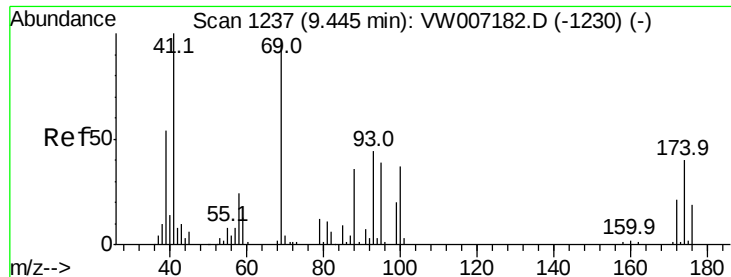
69 84.7 69.6 104.4

39 53.3 42.4 63.6



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: 407.848 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :
MSVOA_W
ClientSampled :

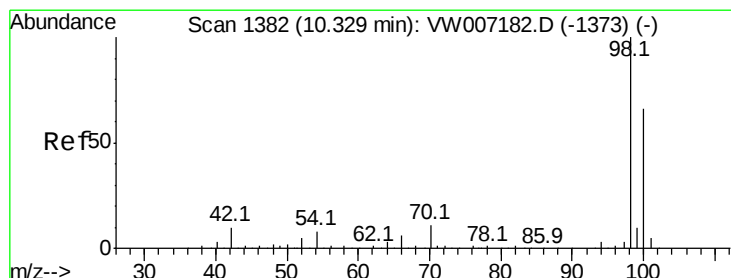
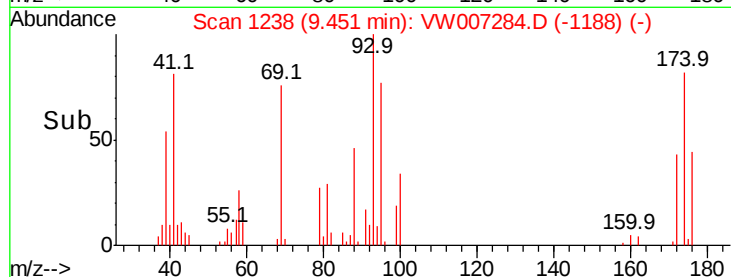
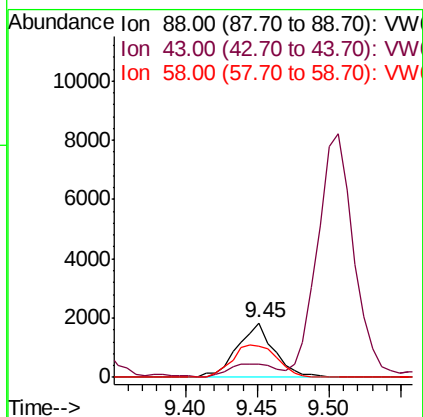
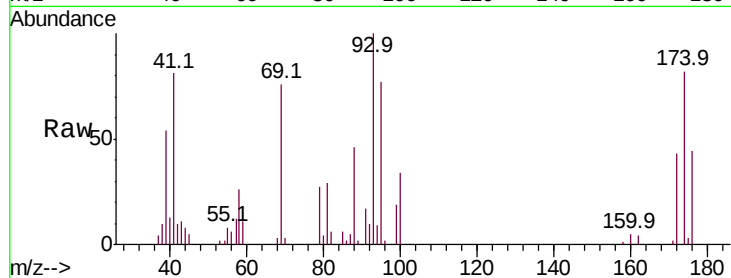
Tot Ion: 88 Resp: 3237

Ion Ratio Lower Upper

88 100

43 33.2 25.8 38.8

58 71.7 58.9 88.3



#50

Toluene-d8

Concen: 50.604 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007284.D

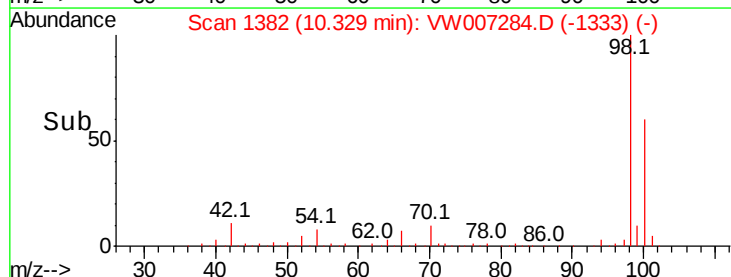
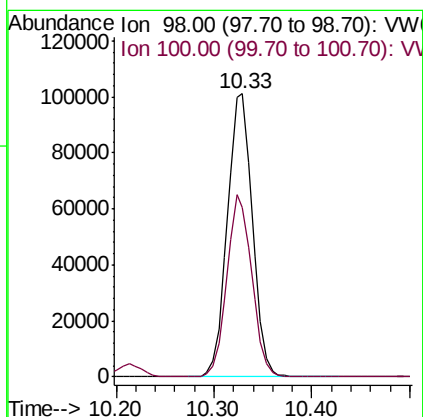
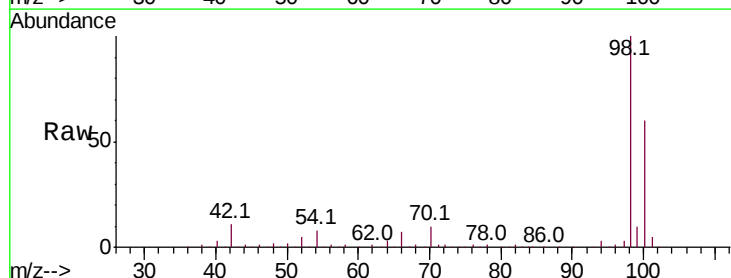
Acq: 06 Dec 2018 17:48

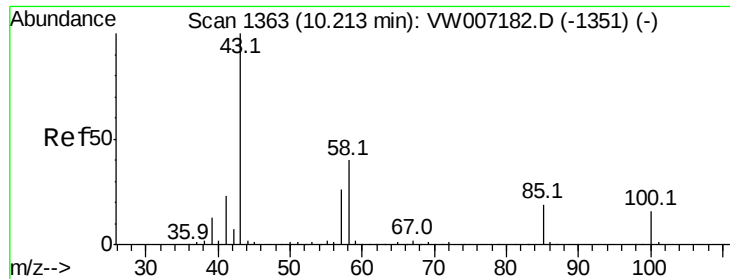
Tgt Ion: 98 Resp: 179740

Ion Ratio Lower Upper

98 100

100 63.9 52.7 79.1

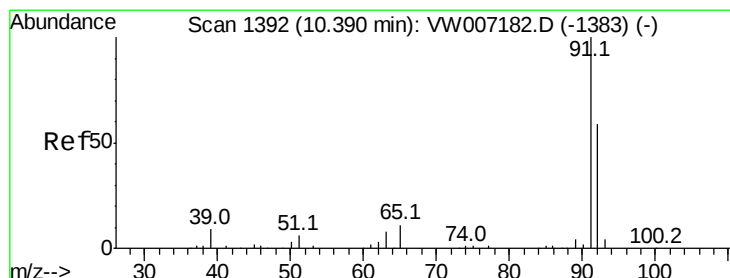
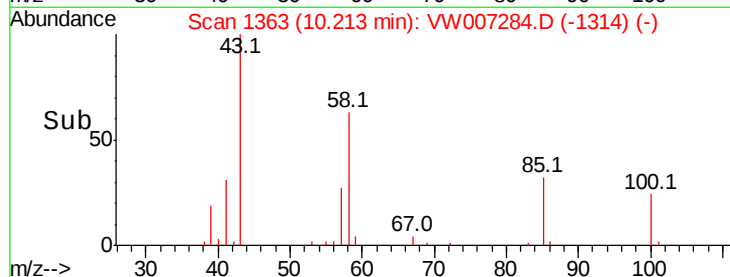
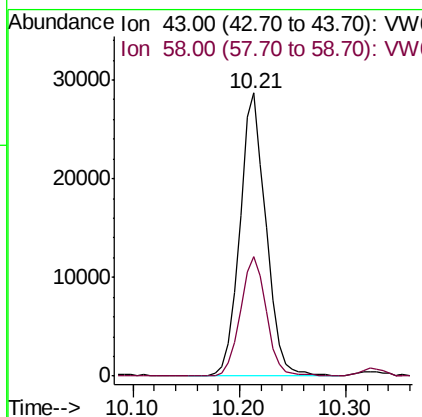
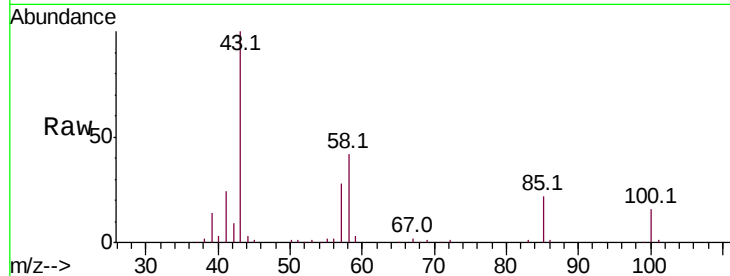




#51
4-Methyl-2-Pentanone
Concen: 104.331 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

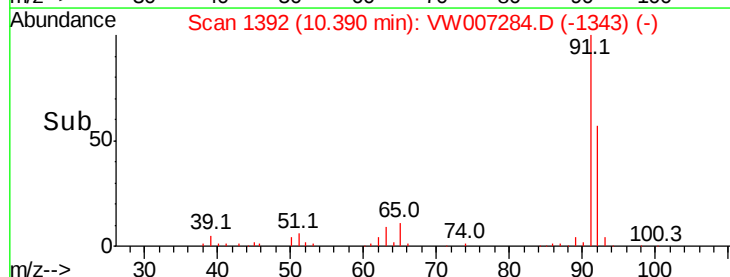
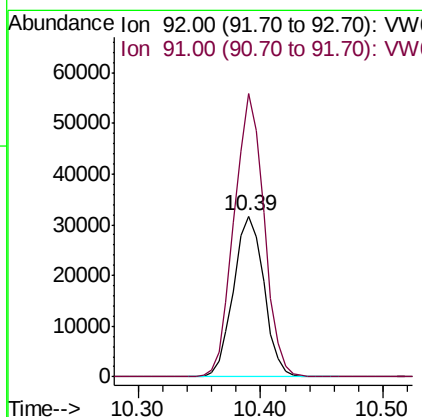
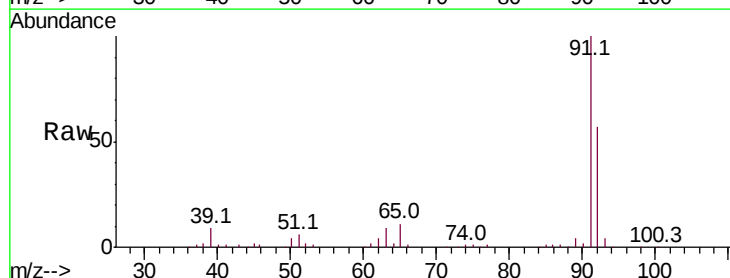
Instrument :
MSVOA_W
ClientSampled :

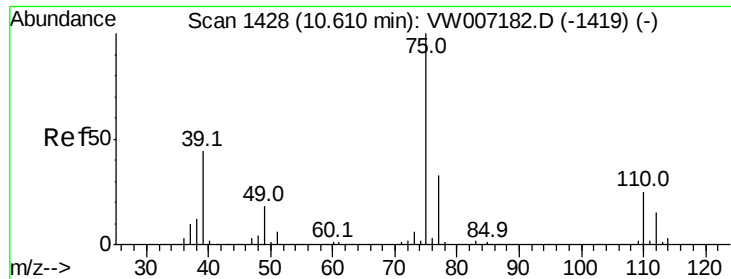
Tot Ion: 43 Resp: 49493
Ion Ratio Lower Upper
43 100
58 41.8 32.3 48.5



#52
Toluene
Concen: 20.954 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion: 92 Resp: 54765
Ion Ratio Lower Upper
92 100
91 173.4 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 21.631 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

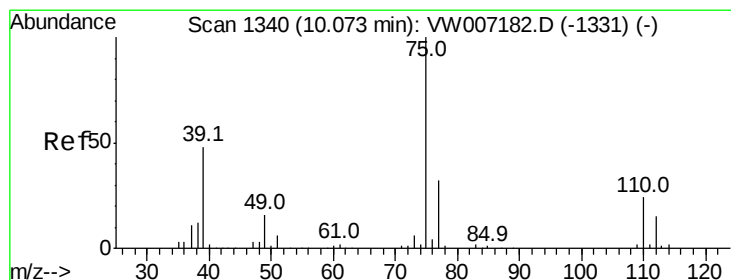
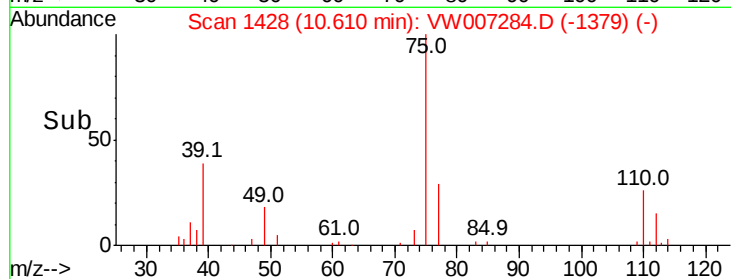
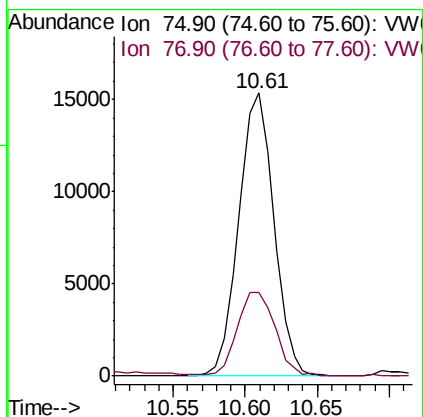
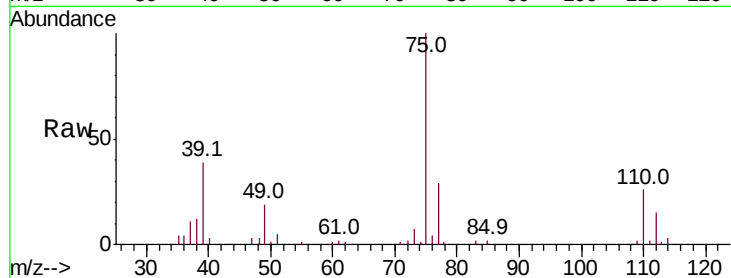
ClientSampleId :

Tot Ion: 75 Resp: 25990

Ion Ratio Lower Upper

75 100

77 29.4 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 20.694 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

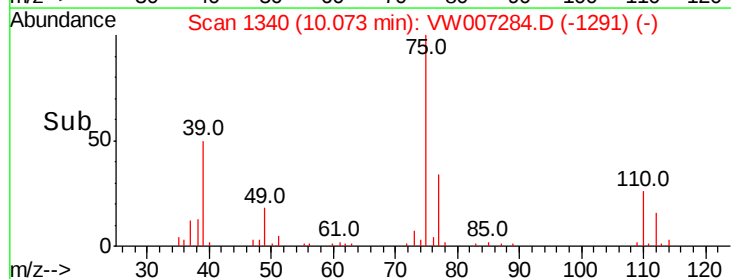
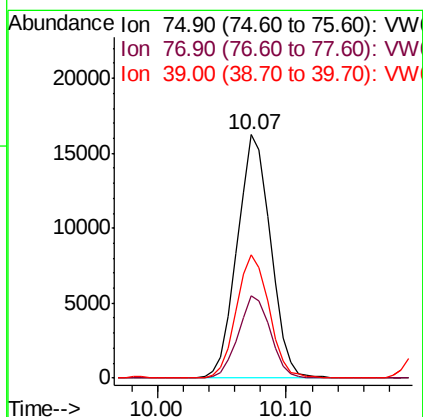
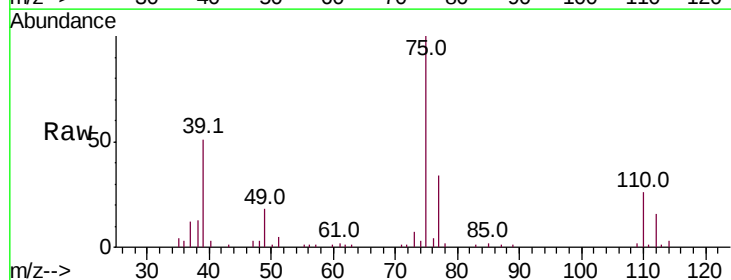
Tgt Ion: 75 Resp: 29140

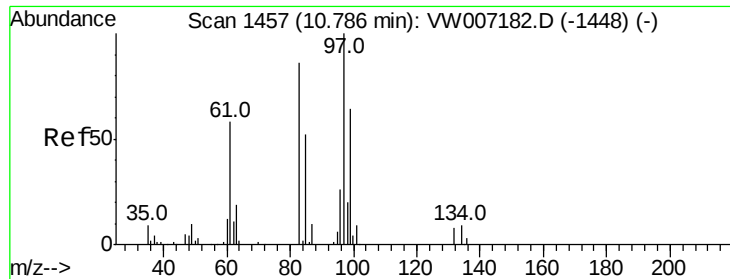
Ion Ratio Lower Upper

75 100

77 34.0 26.0 39.0

39 50.6 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 21.365 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

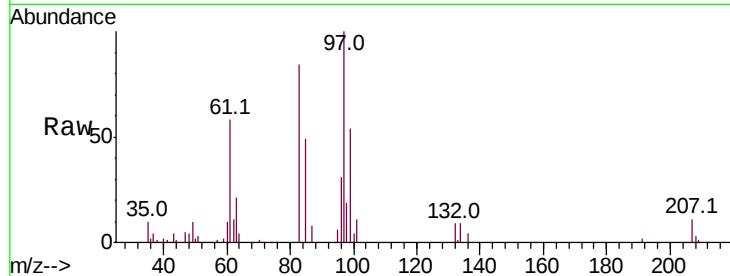
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 13807

Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.6	102.8
85	49.5	41.4	62.2
99	53.8	51.2	76.8



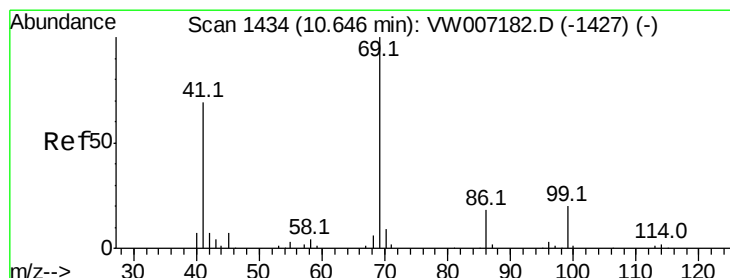
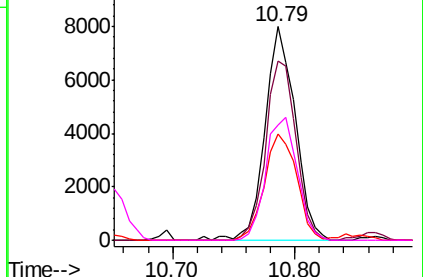
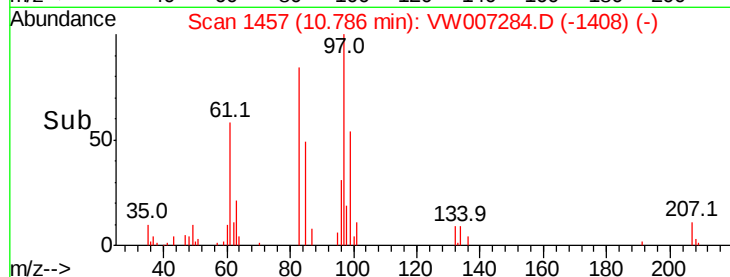
Abundance

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: 20.451 ug/l

RT: 10.65 min Scan# 1434

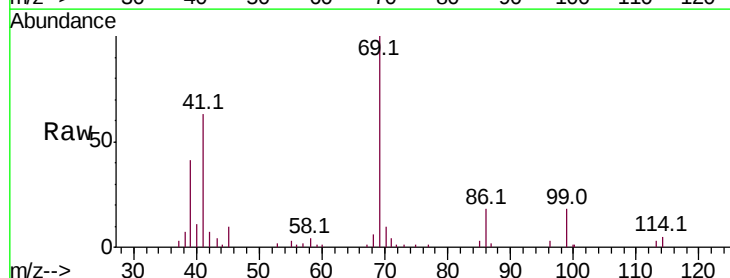
Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Tgt Ion: 69 Resp: 17240

Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.8	77.6
39	38.7	28.7	43.1

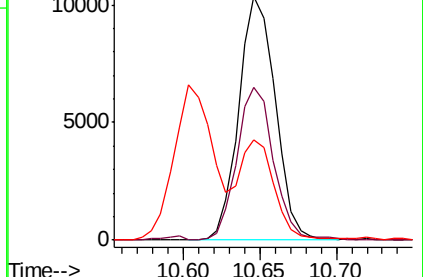
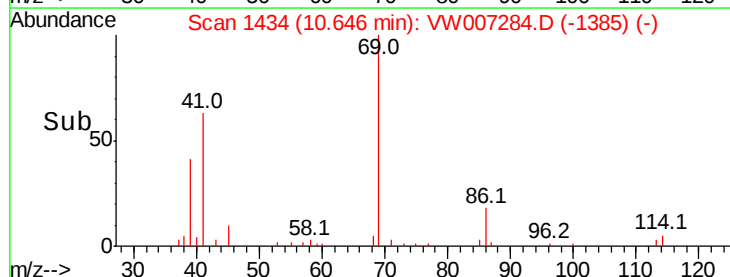


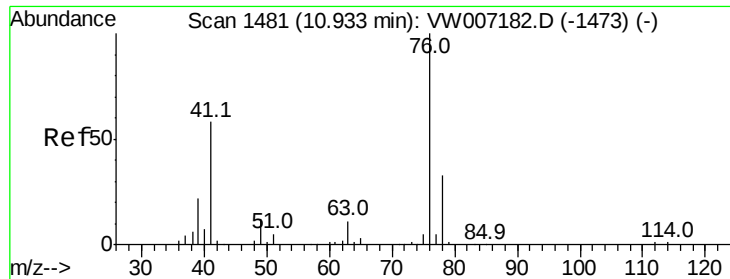
Abundance

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: 20.966 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

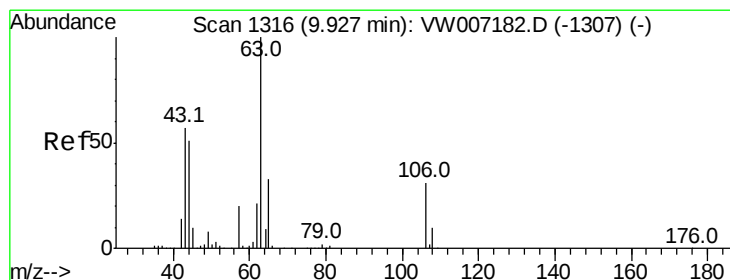
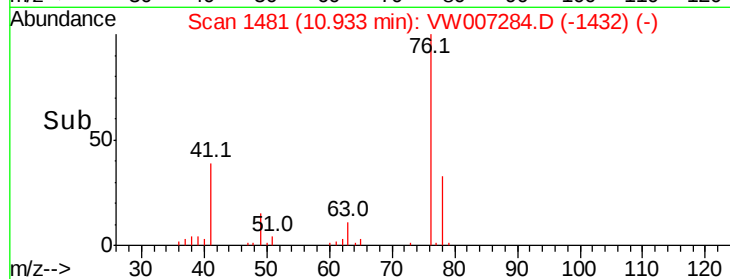
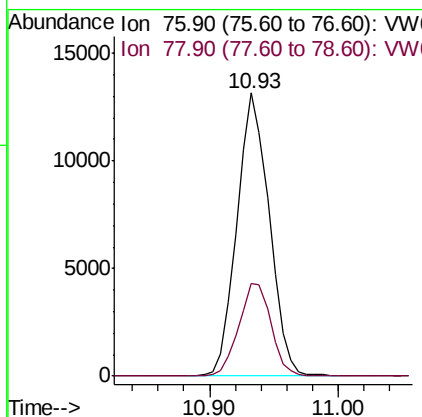
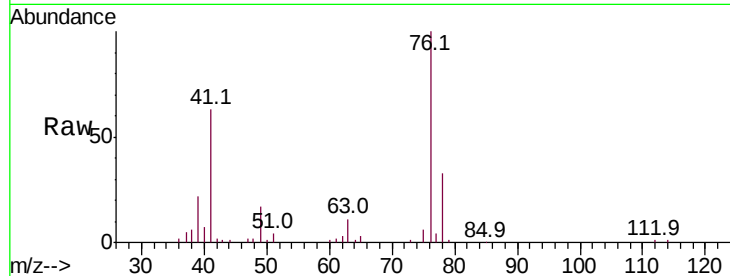
Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 22875

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.6	40.0



#58

2-Chloroethyl Vinyl ether

Concen: 116.789 ug/l

RT: 9.93 min Scan# 1316

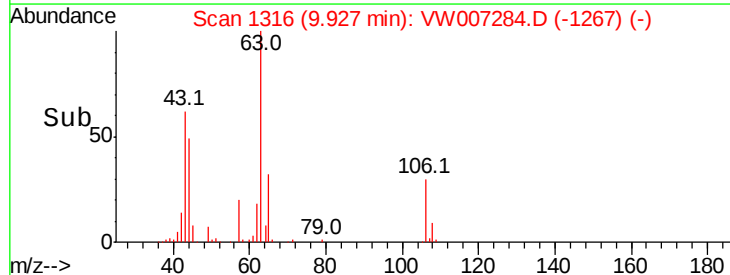
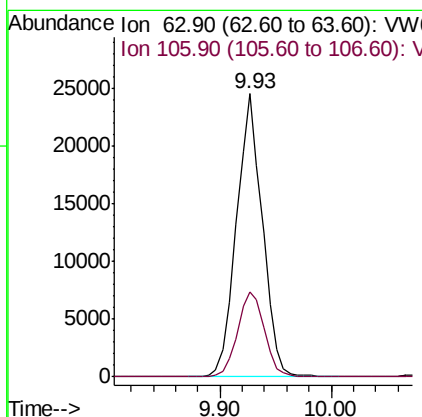
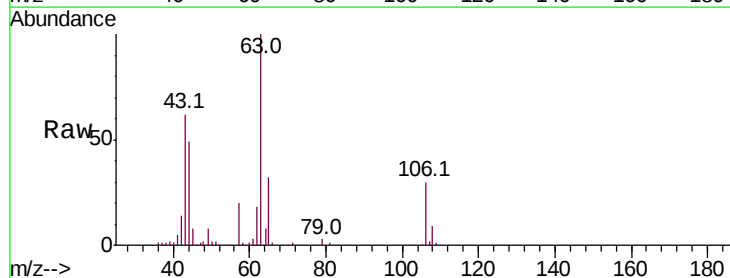
Delta R.T. -0.00 min

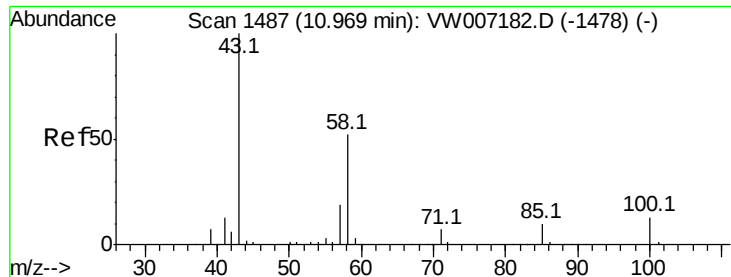
Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Tgt Ion: 63 Resp: 39545

Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.1	36.1





#59

2-Hexanone

Concen: 107.980 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

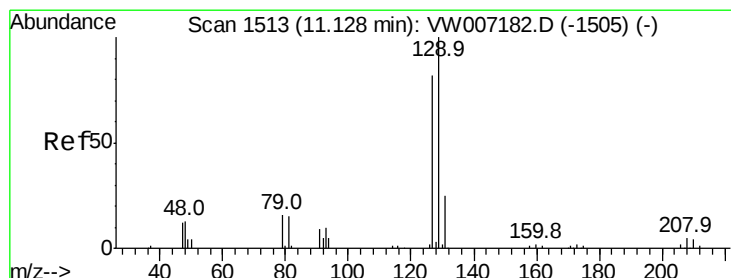
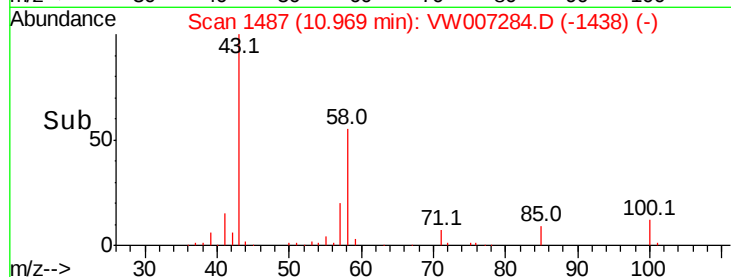
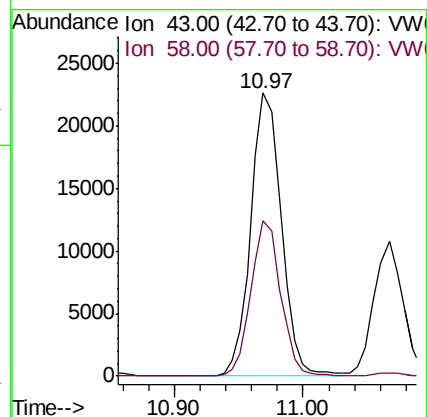
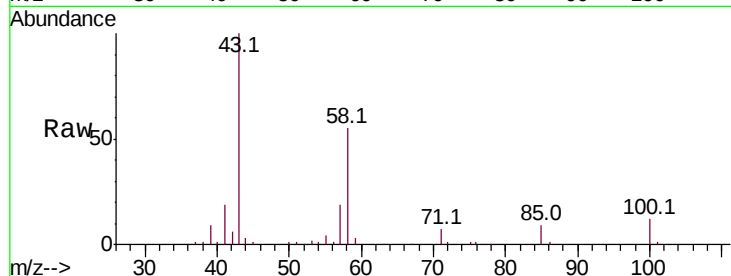
ClientSampleId :

Tot Ion: 43 Resp: 37133

Ion Ratio Lower Upper

43 100

58 53.4 28.1 84.4



#60

Dibromochloromethane

Concen: 20.739 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007284.D

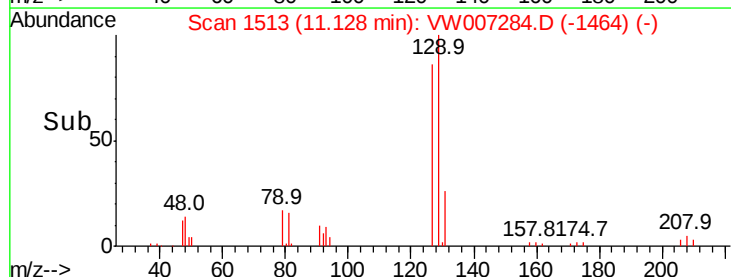
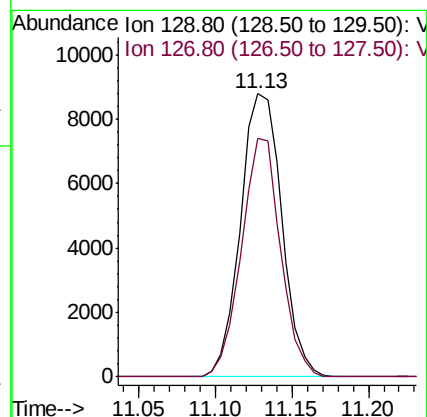
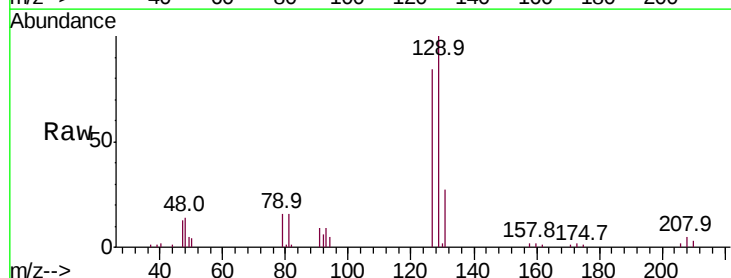
Acq: 06 Dec 2018 17:48

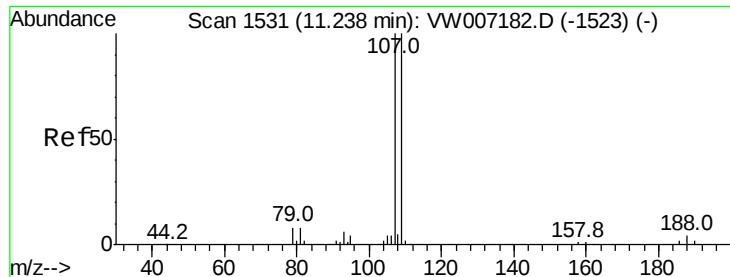
Tgt Ion: 129 Resp: 16473

Ion Ratio Lower Upper

129 100

127 79.7 39.8 119.4

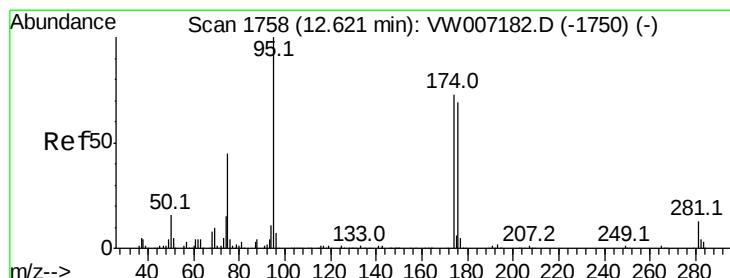
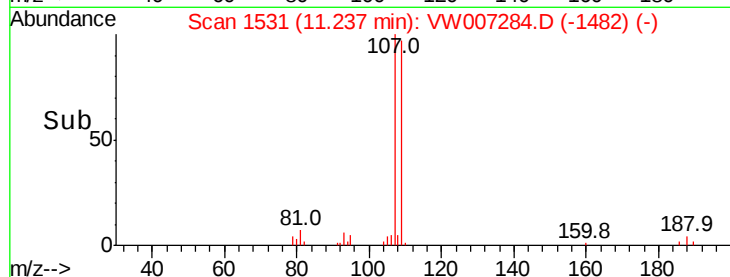
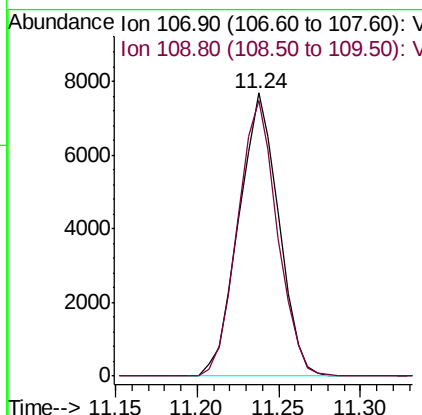
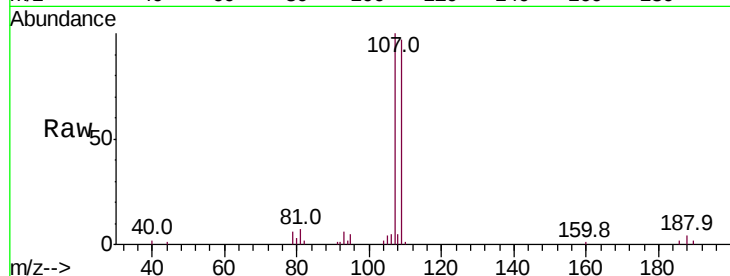




#61
 1,2-Dibromoethane
 Concen: 21.115 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

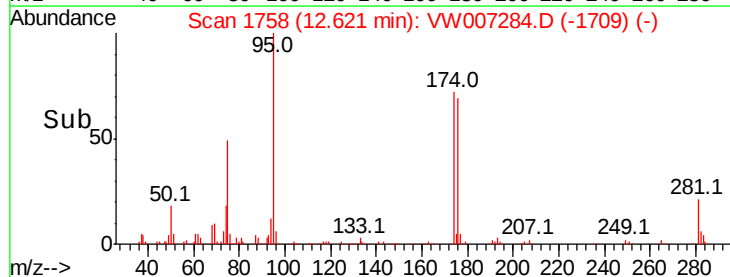
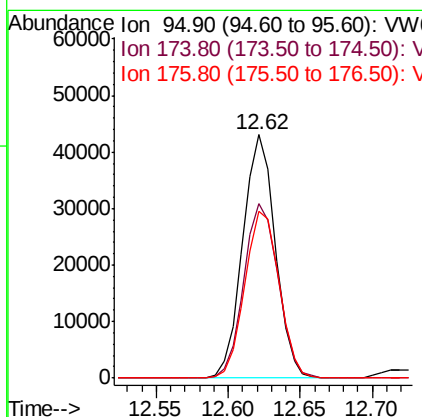
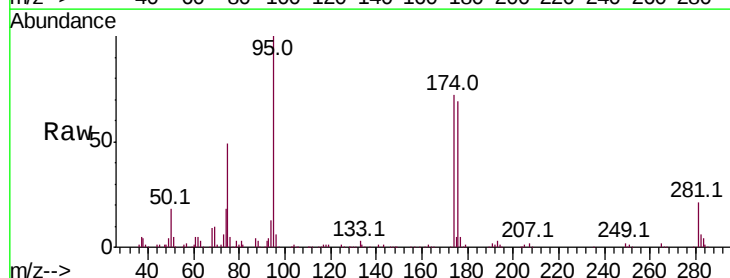
Instrument :
 MSVOA_W
 ClientSampleId :

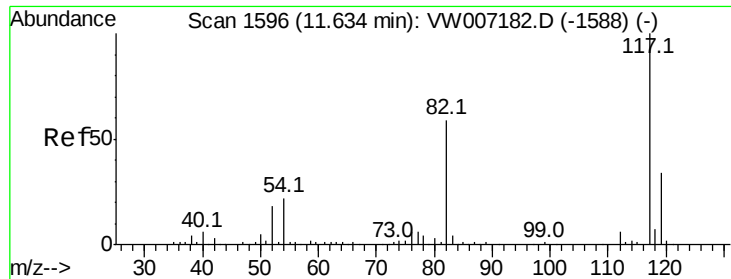
Tot Ion:107 Resp: 13088
 Ion Ratio Lower Upper
 107 100
 109 97.0 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 50.258 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion: 95 Resp: 67378
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 148.0
 176 72.1 0.0 139.4

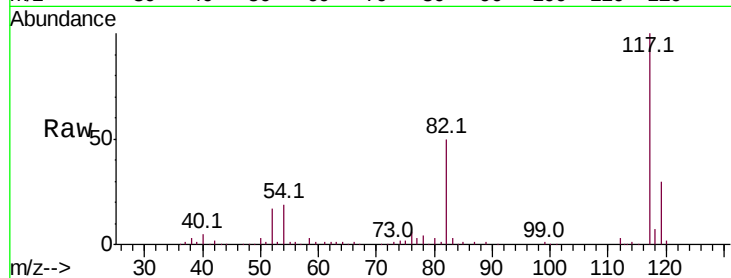




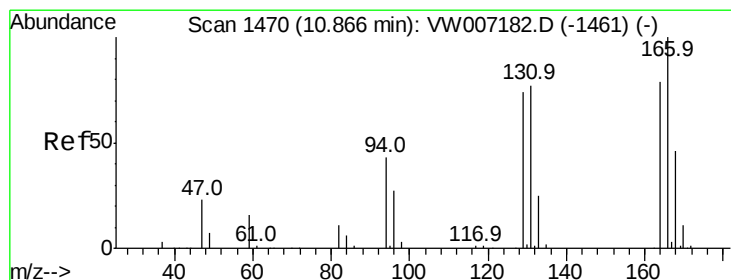
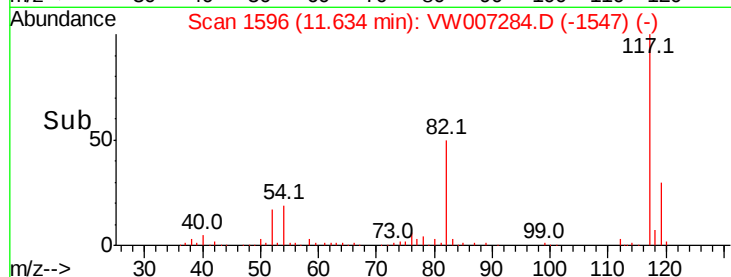
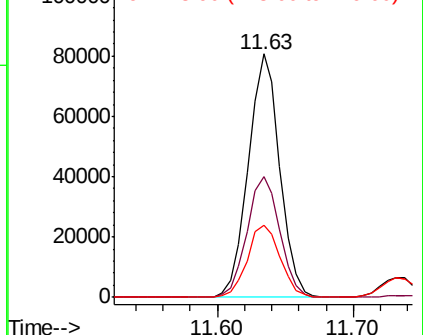
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 130463
Ion Ratio Lower Upper
117 100
82 49.7 47.4 71.2
119 29.6 26.8 40.2

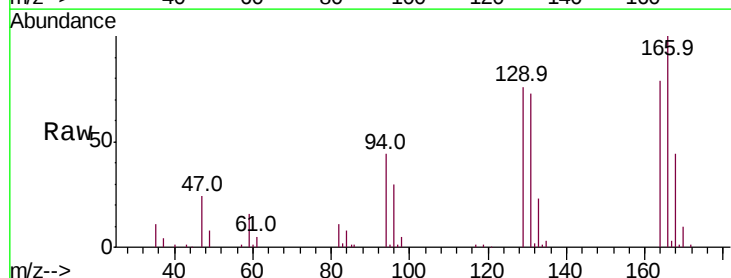


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

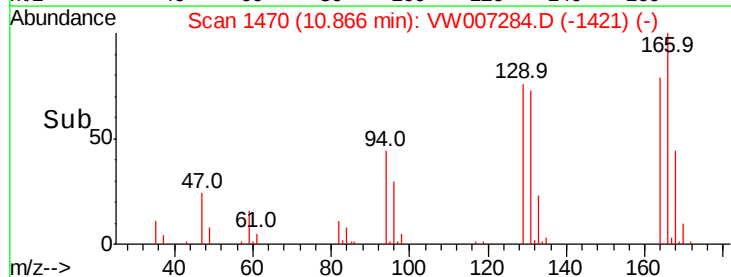
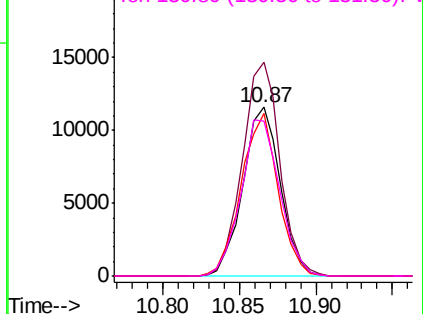


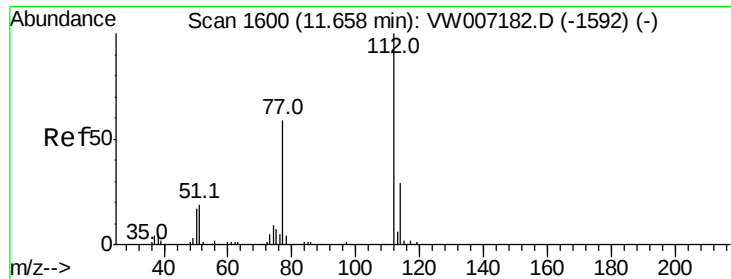
#64
Tetrachloroethene
Concen: 20.722 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion:164 Resp: 19752
Ion Ratio Lower Upper
164 100
166 126.7 101.0 151.4
129 96.3 74.6 111.8
131 92.2 77.6 116.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

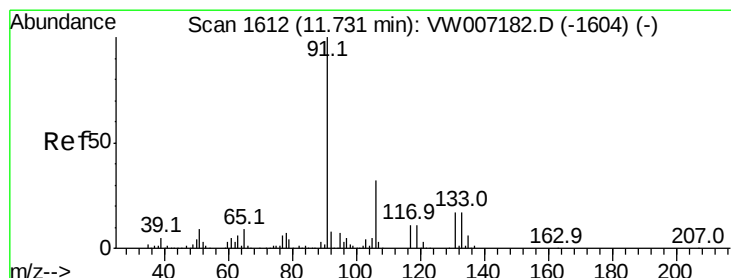
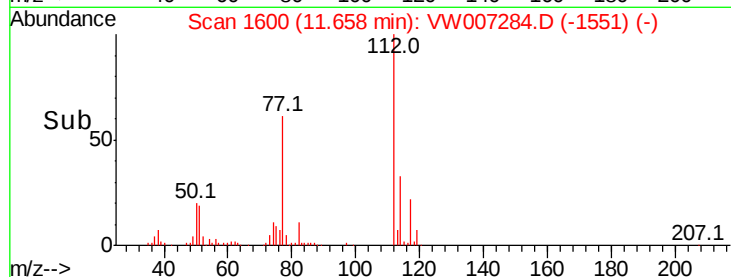
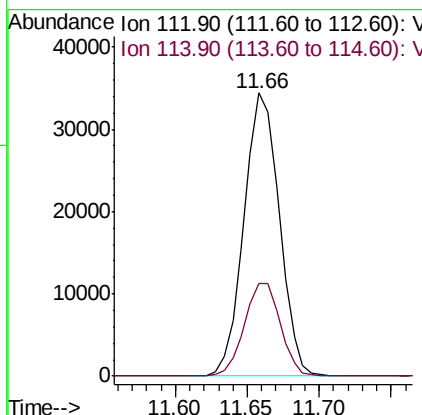
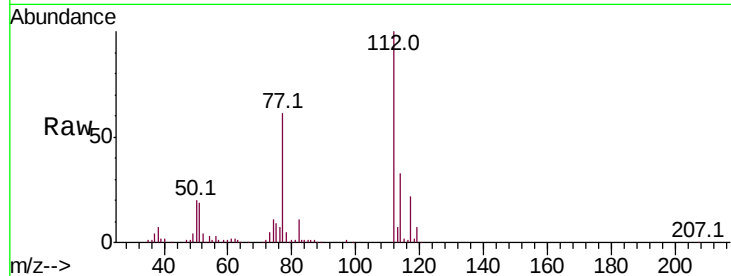




#65
Chlorobenzene
Concen: 20.107 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

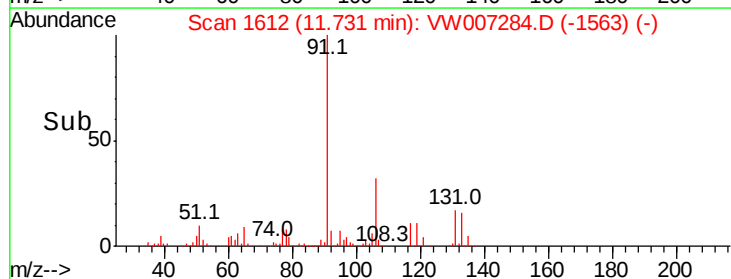
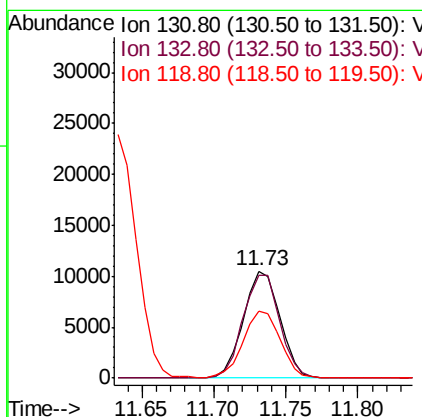
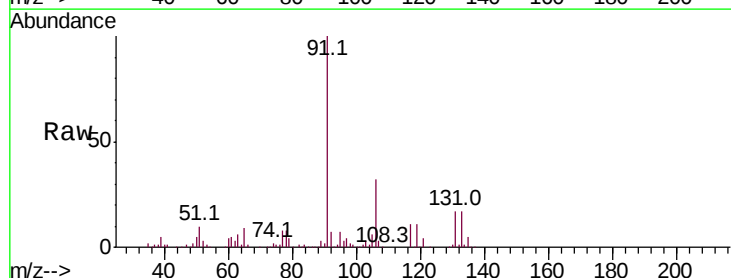
Instrument :
MSVOA_W
ClientSampleId :

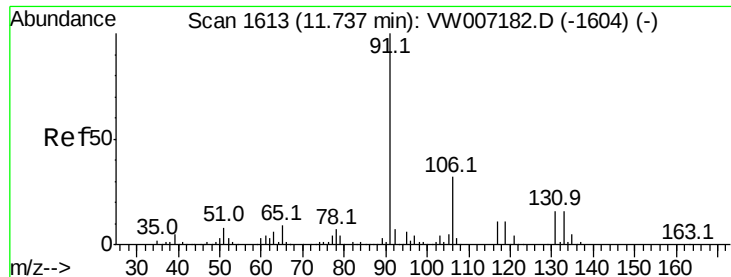
Tot Ion:112 Resp: 58587
Ion Ratio Lower Upper
112 100
114 32.7 23.0 34.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.549 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion:131 Resp: 18491
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.2
119 63.8 32.8 98.4

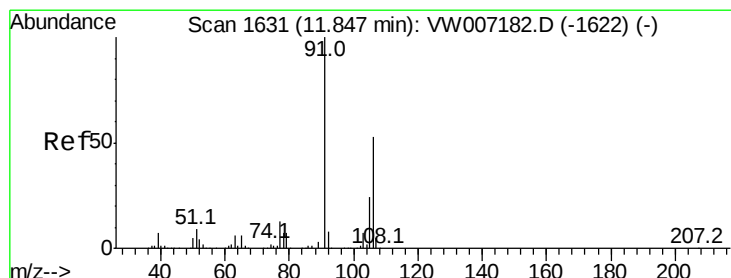
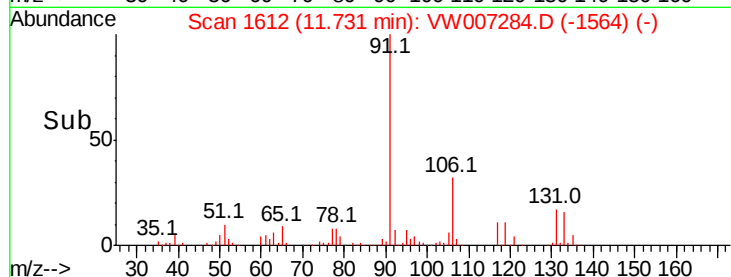
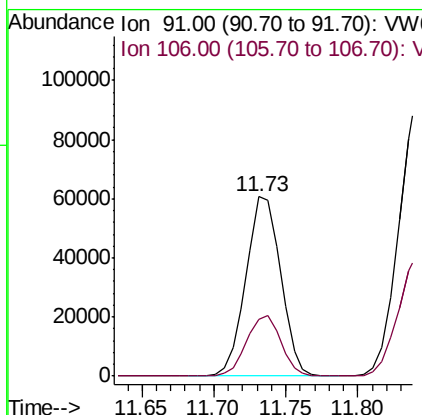
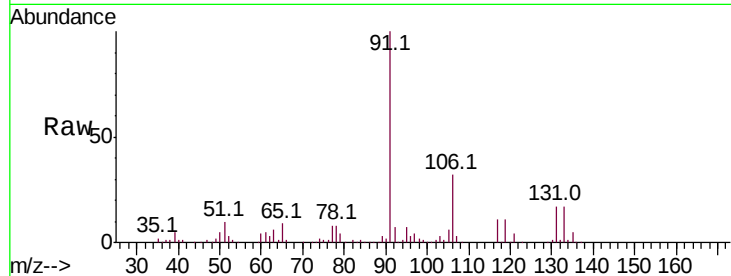




#67
Ethyl Benzene
Concen: 19.158 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

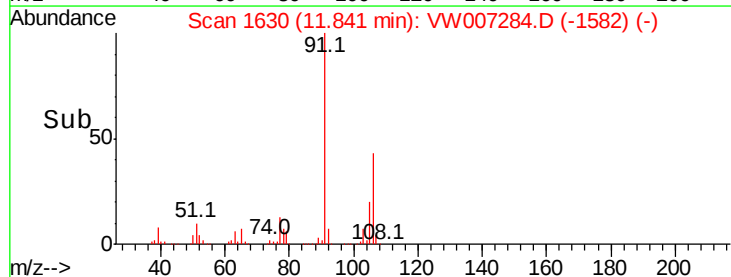
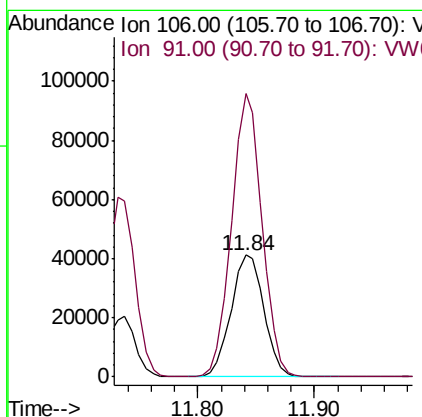
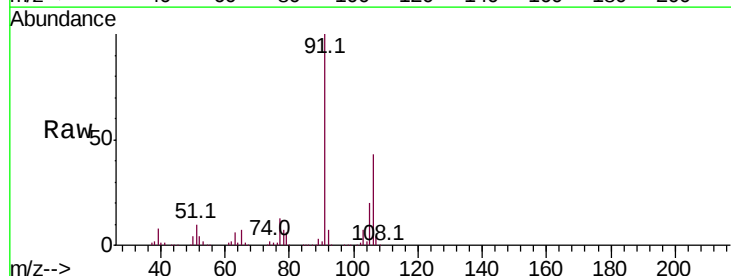
Instrument :
MSVOA_W
ClientSampleId :

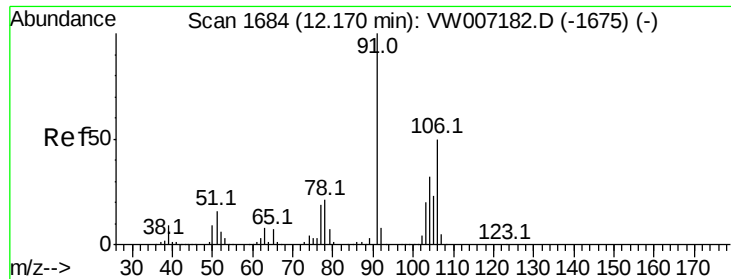
Tot Ion: 91 Resp: 101739
Ion Ratio Lower Upper
91 100
106 32.0 26.0 39.0



#68
m/p-Xylenes
Concen: 38.790 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion:106 Resp: 80814
Ion Ratio Lower Upper
106 100
91 215.9 160.2 240.4





#69

o-Xylene

Concen: 19.989 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

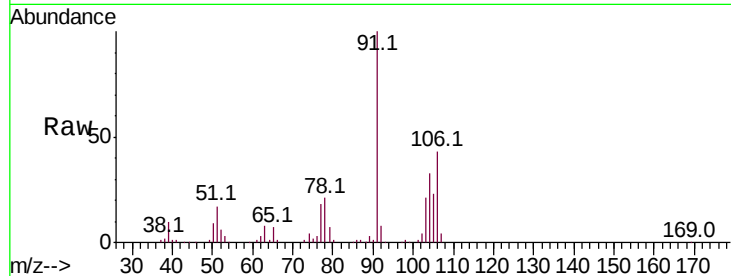
ClientSampleId :

Tot Ion:106 Resp: 38907

Ion Ratio Lower Upper

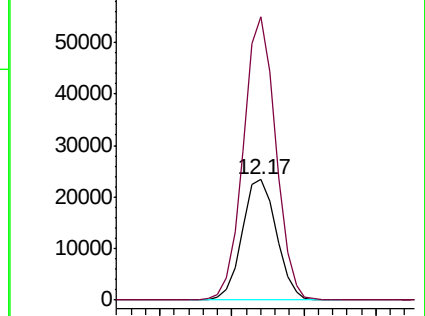
106 100

91 219.7 104.9 314.7

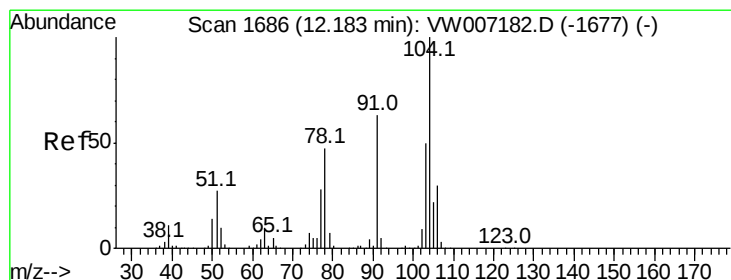
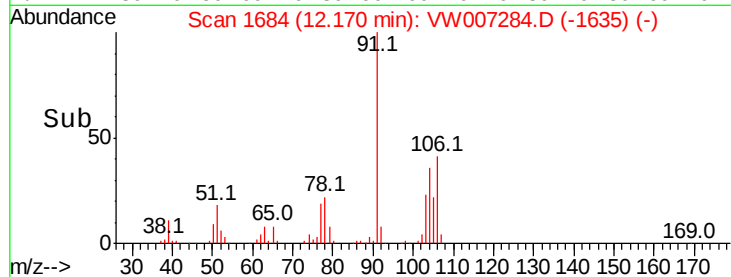


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#70

Styrene

Concen: 19.789 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

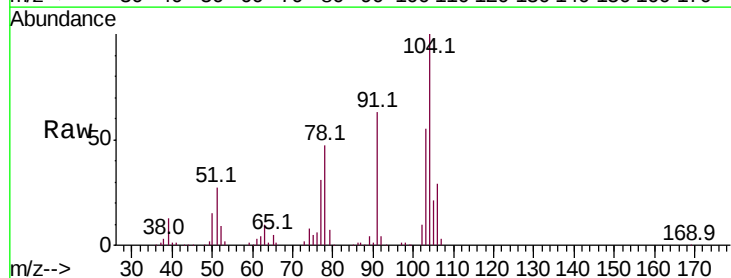
Tgt Ion:104 Resp: 63052

Ion Ratio Lower Upper

104 100

78 51.6 40.6 60.8

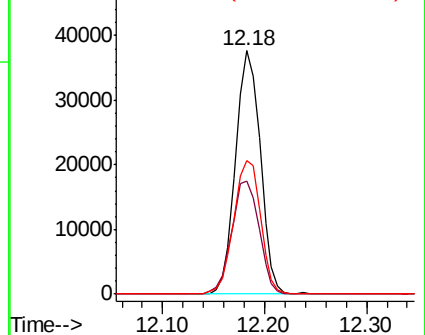
103 59.6 43.0 64.4



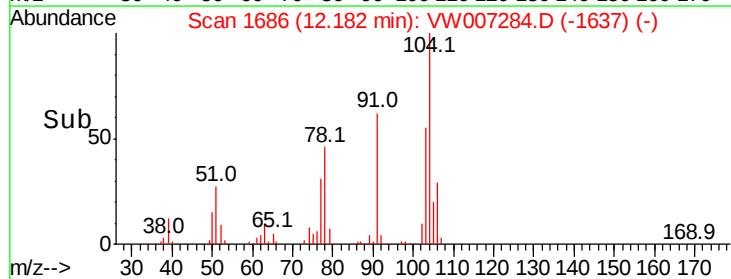
Abundance Ion 104.00 (103.70 to 104.70): V

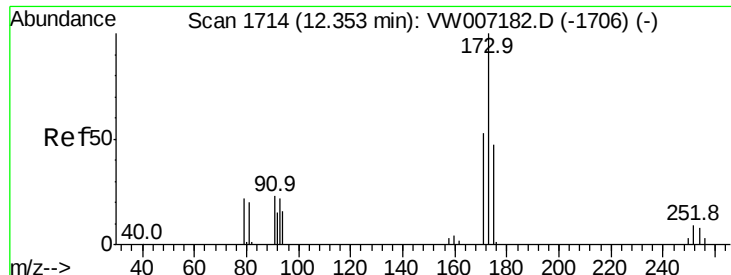
Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 20.532 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

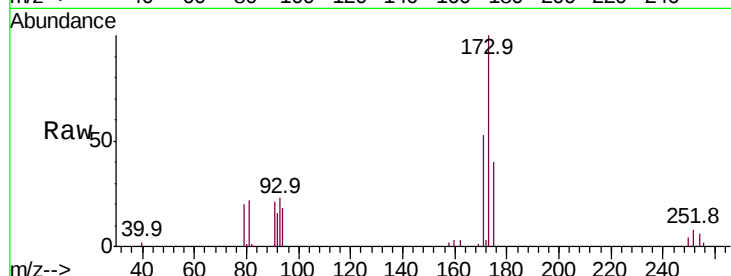
Tot Ion:173 Resp: 9249

Ion Ratio Lower Upper

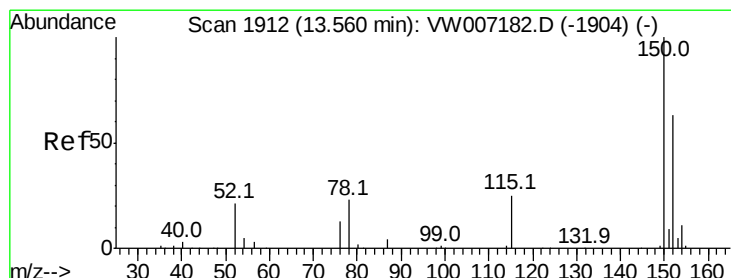
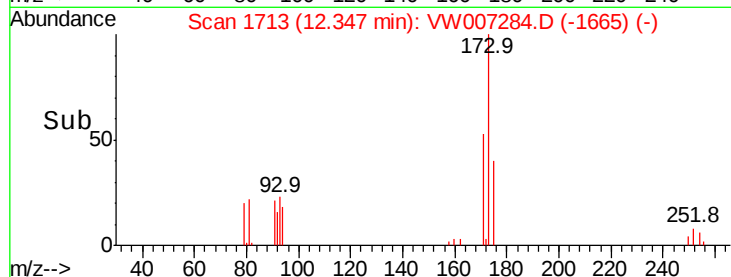
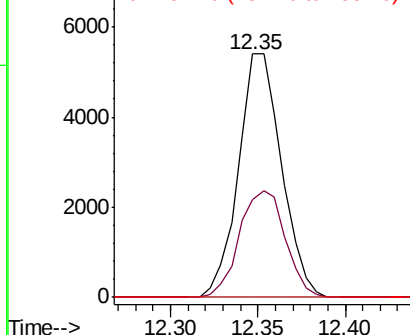
173 100

175 46.6 24.0 72.0

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: VW007284.D

Acq: 06 Dec 2018 17:48

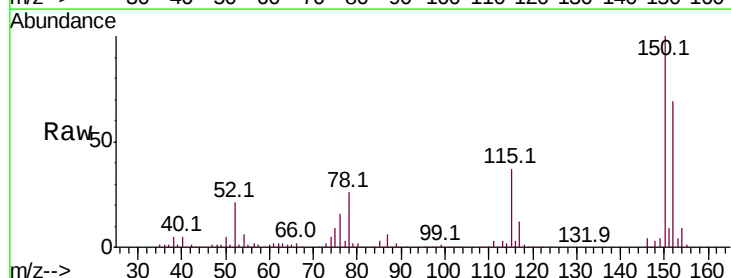
Tgt Ion:152 Resp: 68159

Ion Ratio Lower Upper

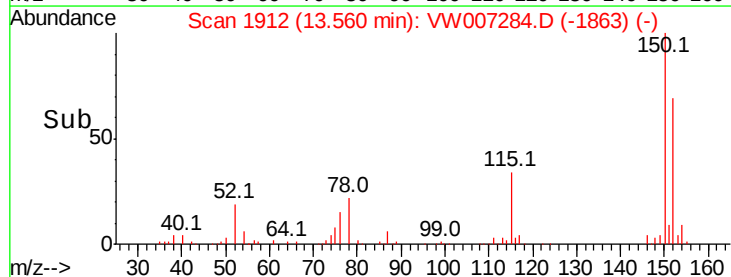
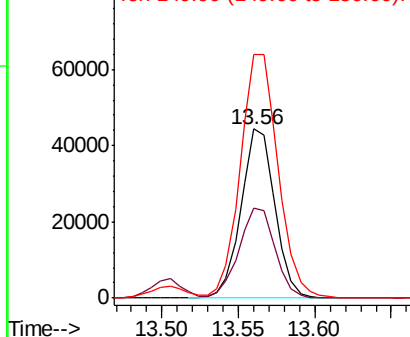
152 100

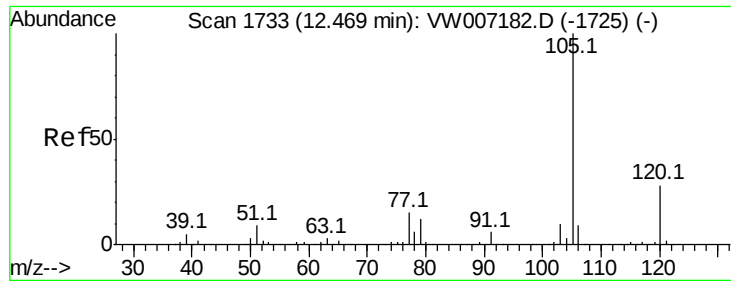
115 56.6 31.3 93.8

150 160.6 0.0 358.0



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: 19.031 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

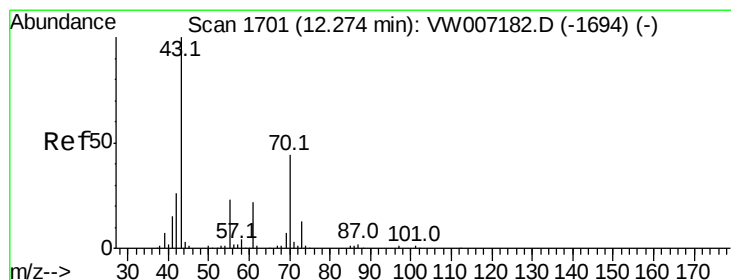
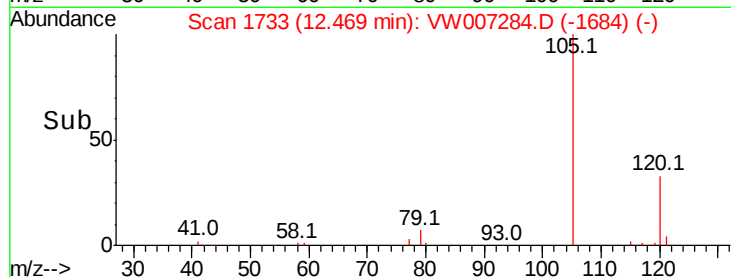
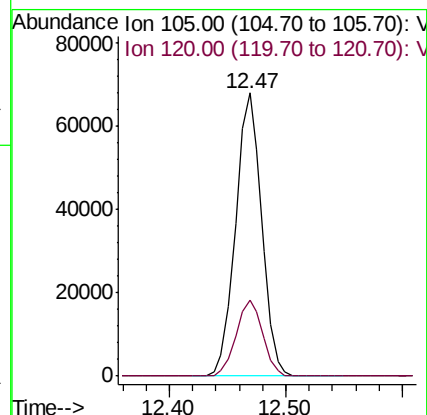
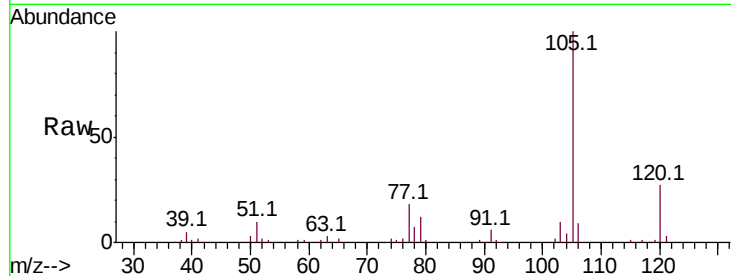
ClientSampleId :

Tot Ion:105 Resp: 105498

Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.6



#74

N-ethyl acetate

Concen: 19.832 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Tgt Ion: 43 Resp: 19492

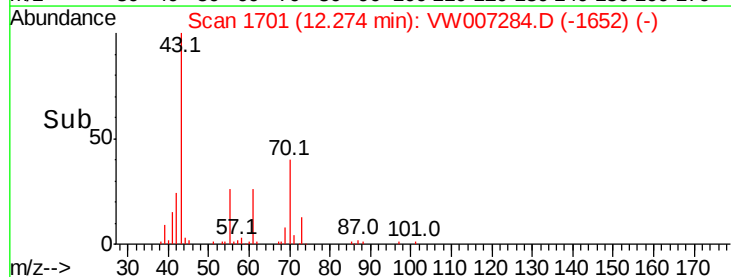
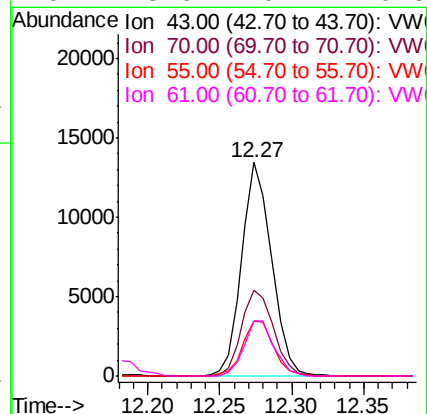
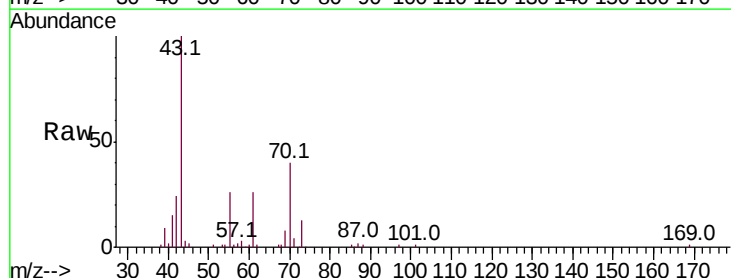
Ion Ratio Lower Upper

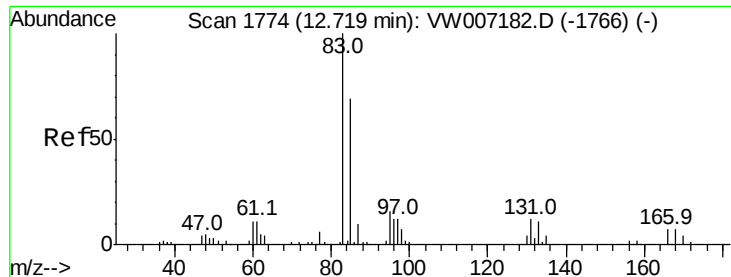
43 100

70 42.6 34.0 51.0

55 26.3 19.0 28.6

61 25.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.239 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

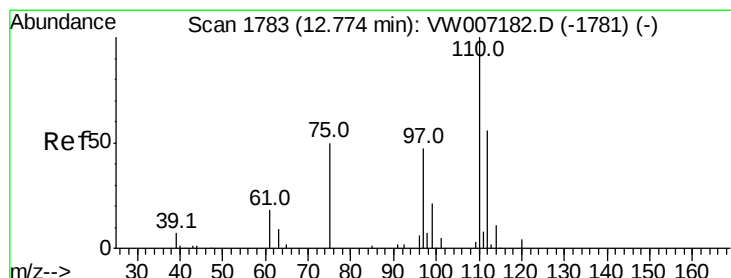
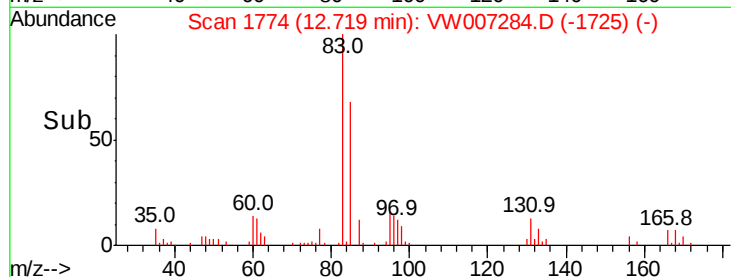
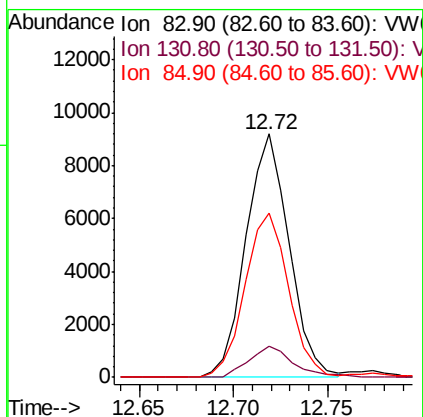
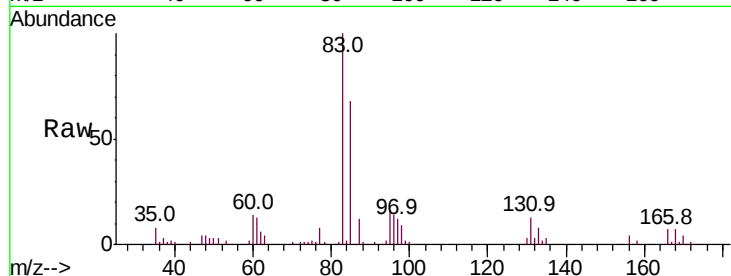
Tot Ion: 83 Resp: 14571

Ion Ratio Lower Upper

83 100

131 13.3 6.0 18.1

85 68.4 33.0 99.0



#76

1,2,3-Trichloropropane

Concen: 39.330 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007284.D

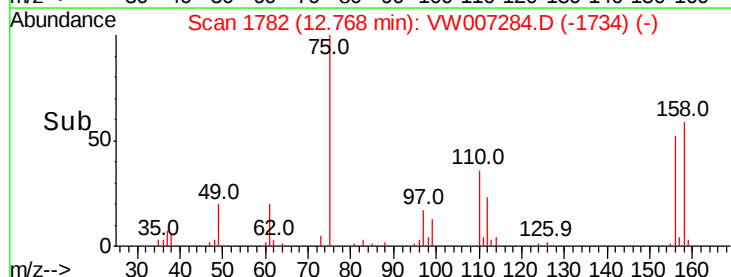
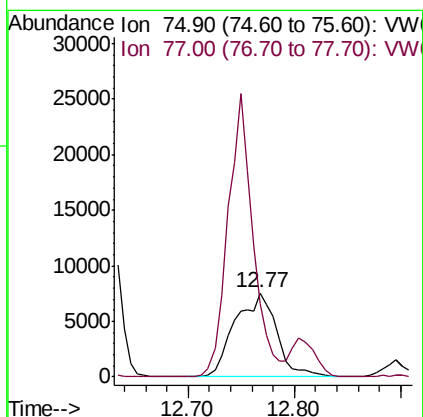
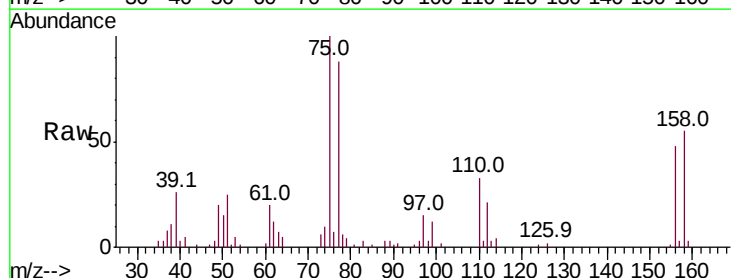
Acq: 06 Dec 2018 17:48

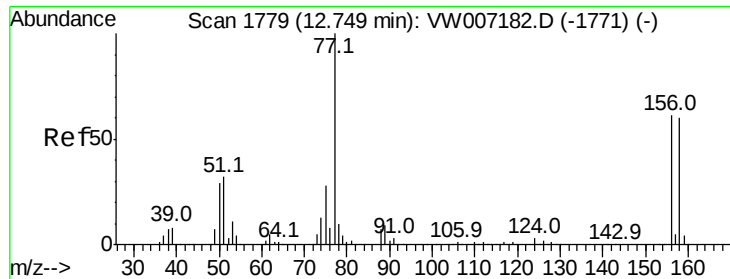
Tgt Ion: 75 Resp: 20757

Ion Ratio Lower Upper

75 100

77 202.7 0.0 0.0#





#77

Bromobenzene

Concen: 19.389 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

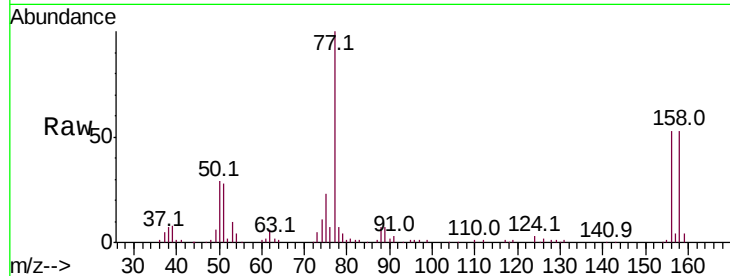
Tot Ion:156 Resp: 23201

Ion Ratio Lower Upper

156 100

77 181.3 92.0 276.1

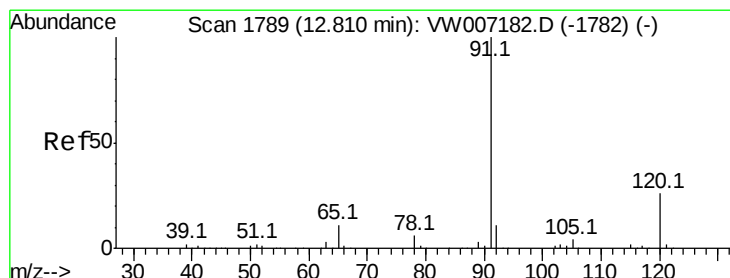
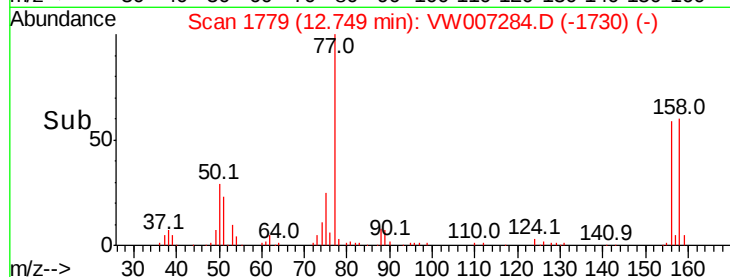
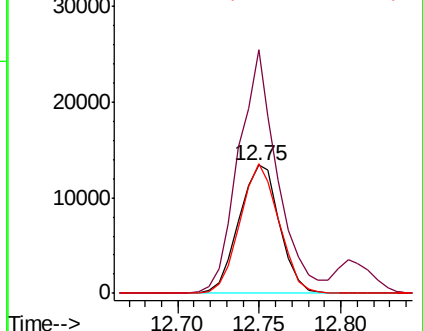
158 96.3 49.0 147.0



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: 19.338 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007284.D

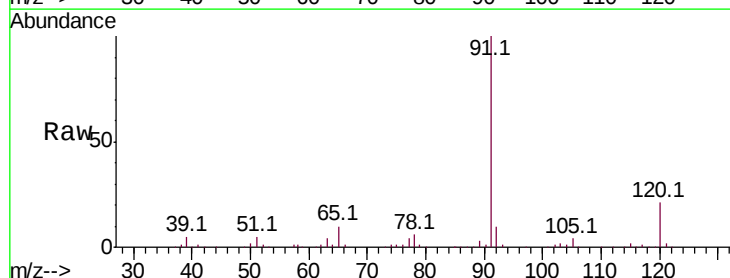
Acq: 06 Dec 2018 17:48

Tgt Ion: 91 Resp: 127715

Ion Ratio Lower Upper

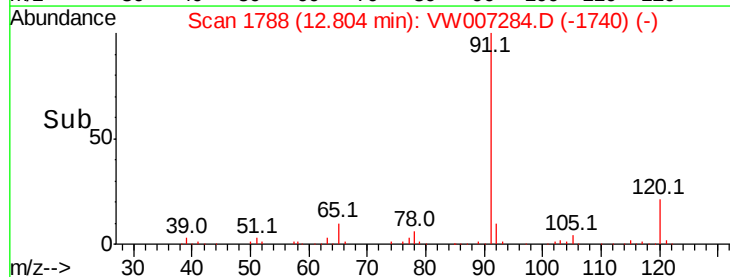
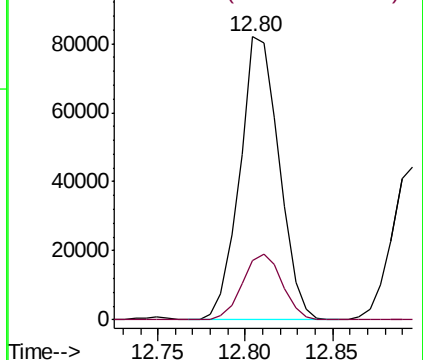
91 100

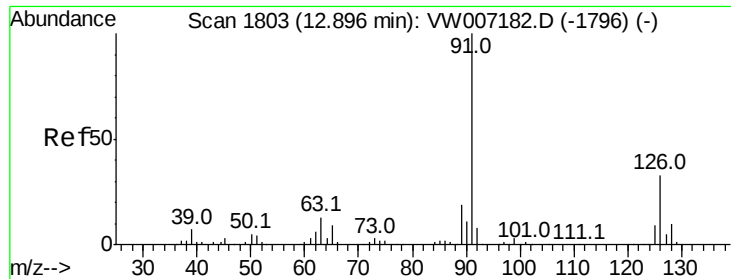
120 23.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.452 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

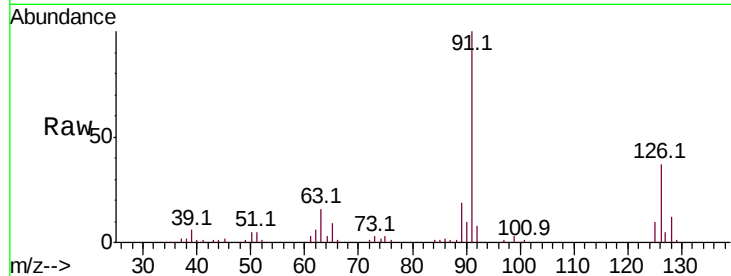
ClientSampled :

Tot Ion: 91 Resp: 72549

Ion Ratio Lower Upper

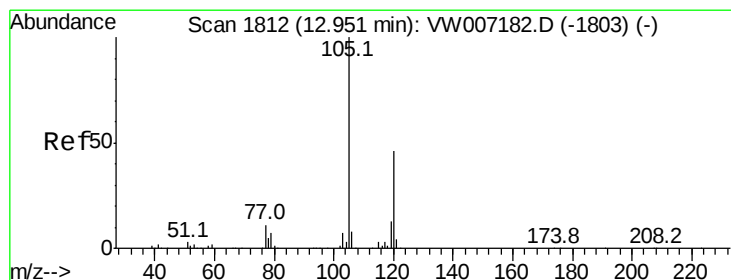
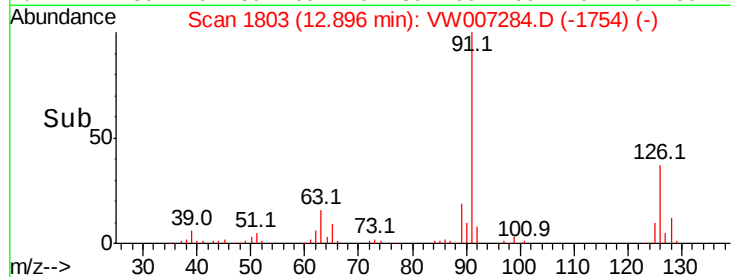
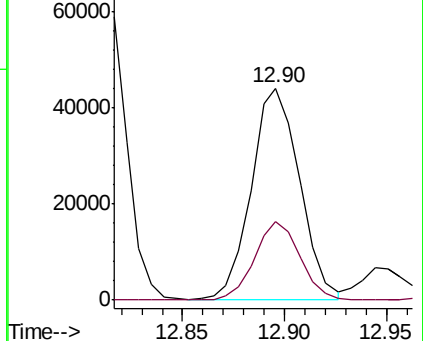
91 100

126 35.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.348 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW007284.D

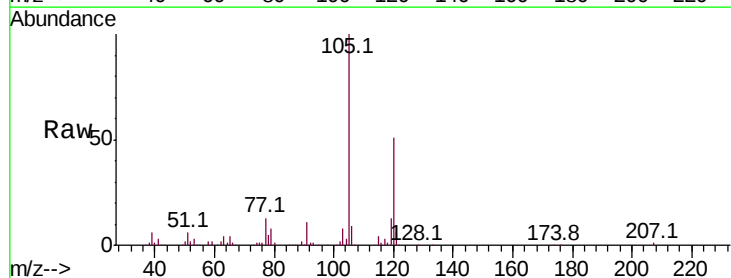
Acq: 06 Dec 2018 17:48

Tgt Ion:105 Resp: 91756

Ion Ratio Lower Upper

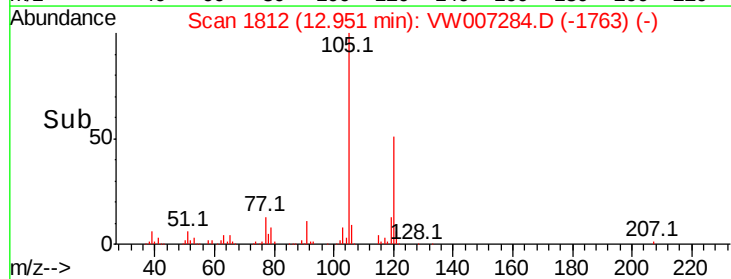
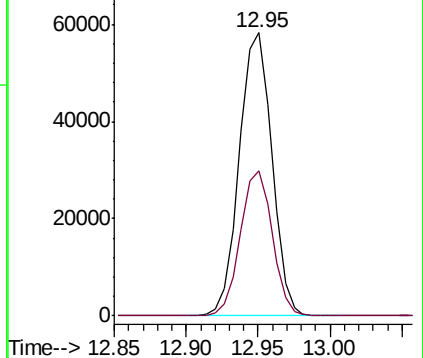
105 100

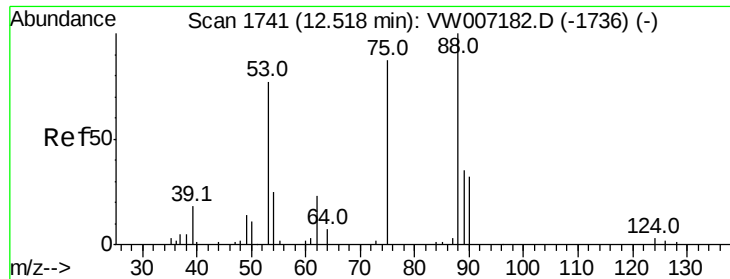
120 50.1 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.656 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

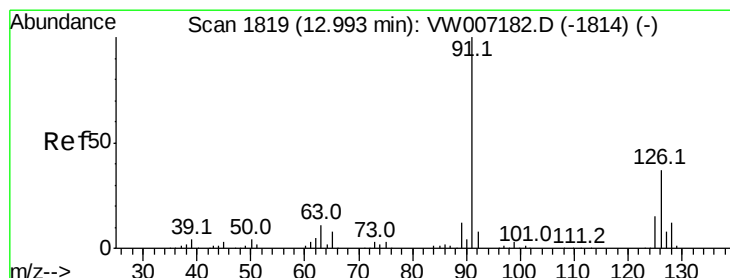
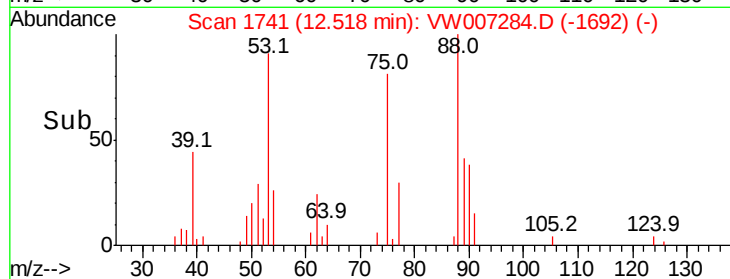
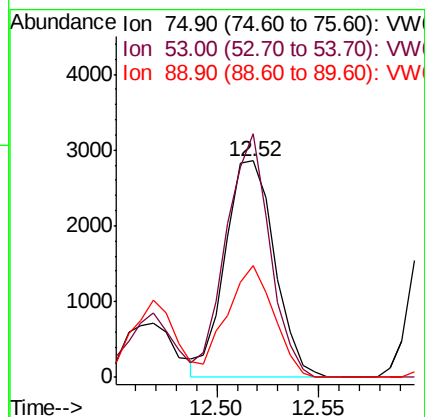
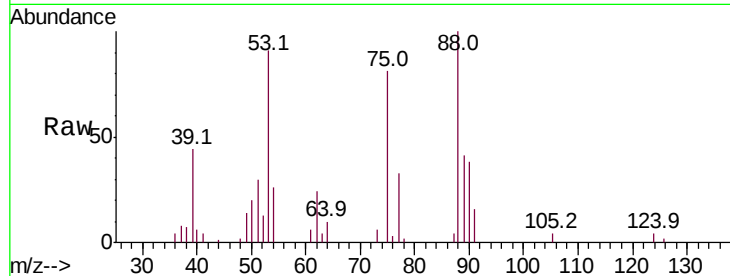
Tot Ion: 75 Resp: 4813

Ion Ratio Lower Upper

75 100

53 98.8 72.8 109.2

89 48.3 36.4 54.6



#82

4-Chlorotoluene

Concen: 20.326 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007284.D

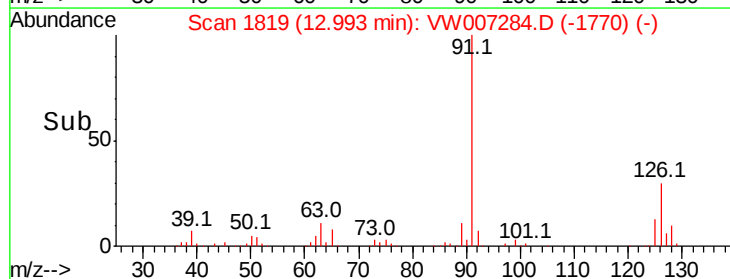
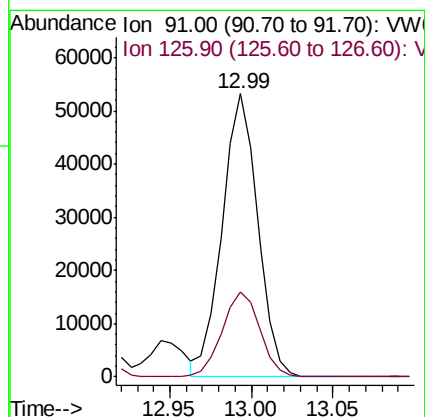
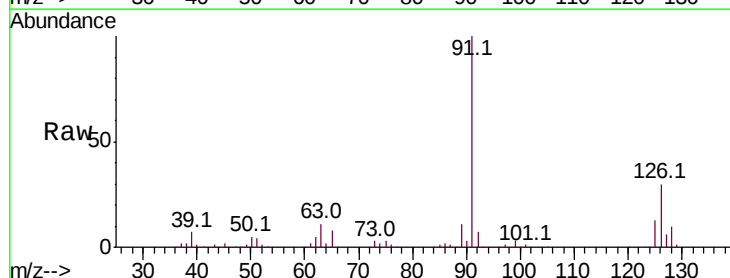
Acq: 06 Dec 2018 17:48

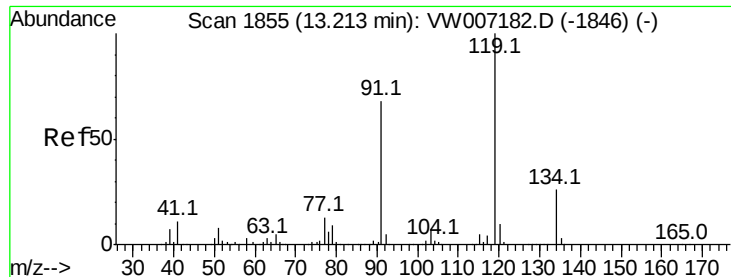
Tgt Ion: 91 Resp: 80647

Ion Ratio Lower Upper

91 100

126 31.9 17.4 52.3





#83

tert-Butylbenzene

Concen: 19.549 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

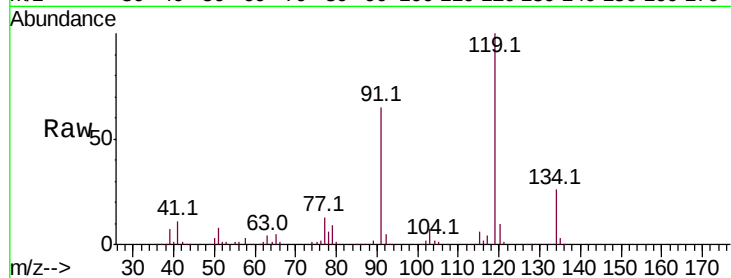
Tot Ion:119 Resp: 81019

Ion Ratio Lower Upper

119 100

91 63.1 34.0 101.8

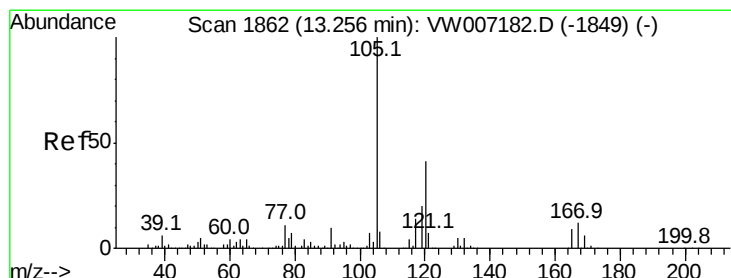
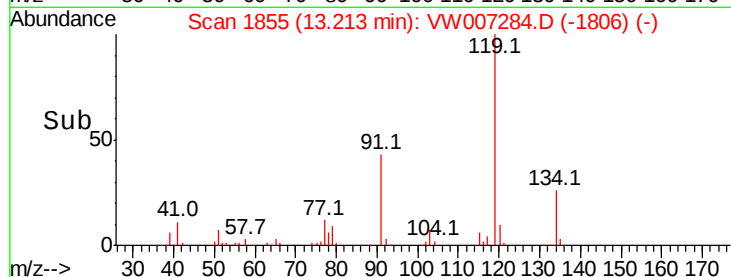
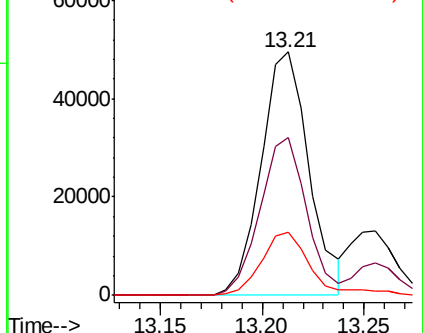
134 26.8 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.318 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007284.D

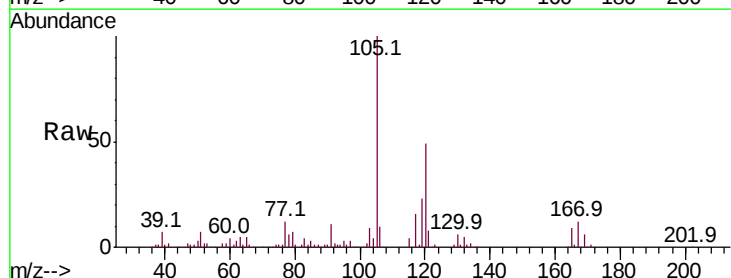
Acq: 06 Dec 2018 17:48

Tgt Ion:105 Resp: 93517

Ion Ratio Lower Upper

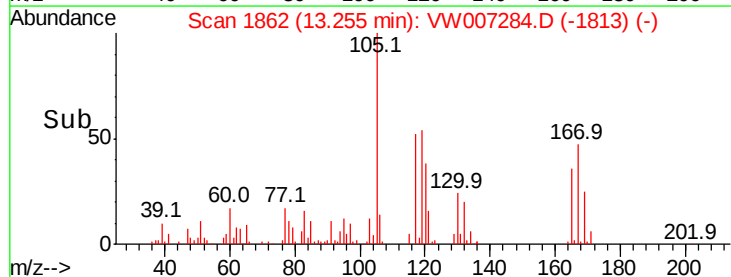
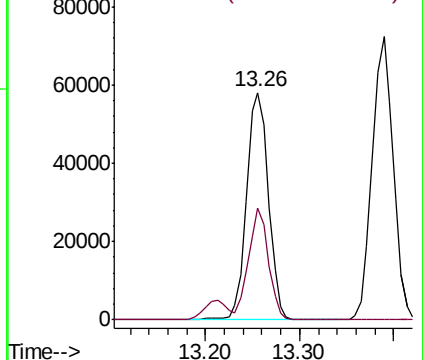
105 100

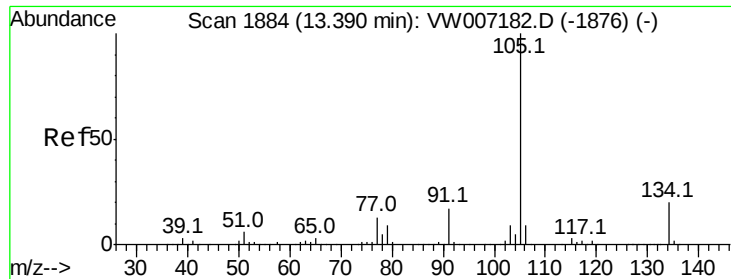
120 44.7 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

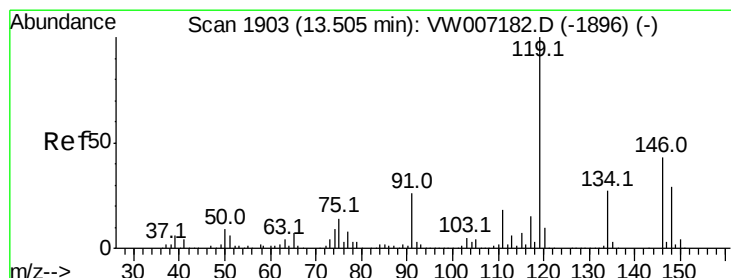
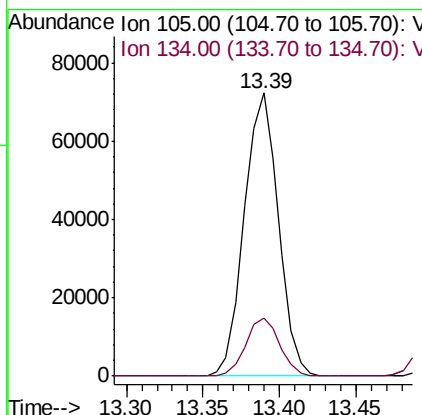
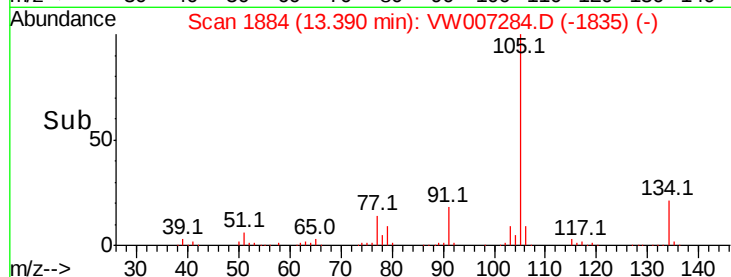
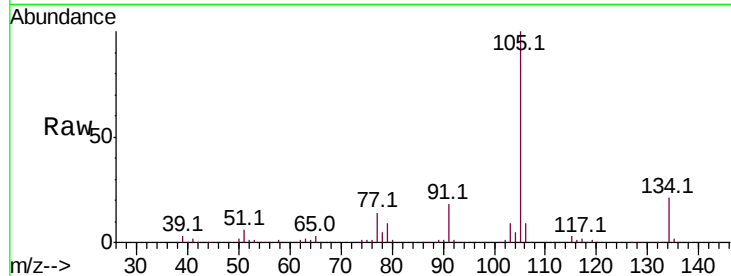




#85
 sec-Butylbenzene
 Concen: 18.926 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

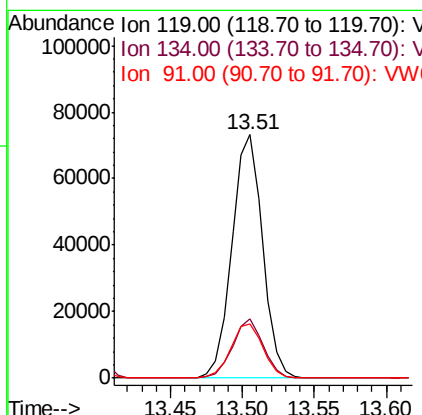
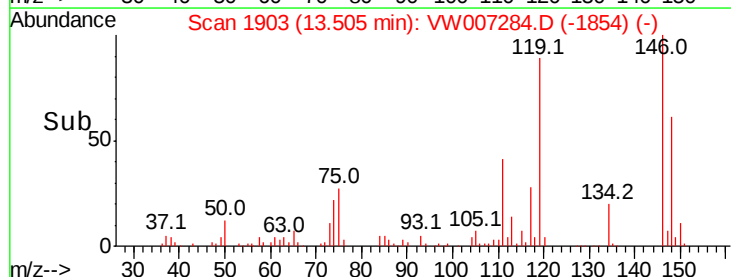
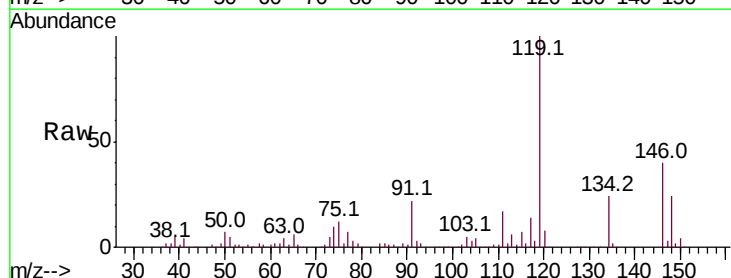
Instrument :
 MSVOA_W
 ClientSampleId :

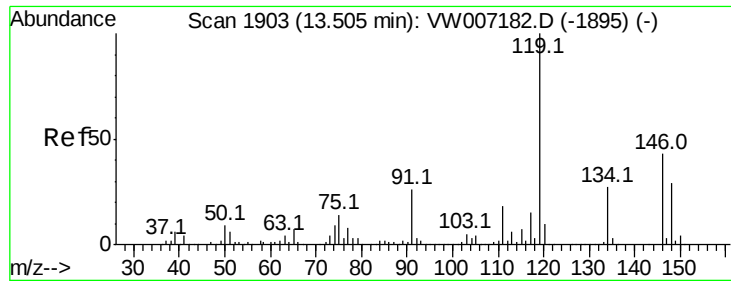
Tot Ion:105 Resp: 111977
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.680 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion:119 Resp: 108918
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.2 39.6
 91 23.4 12.4 37.2

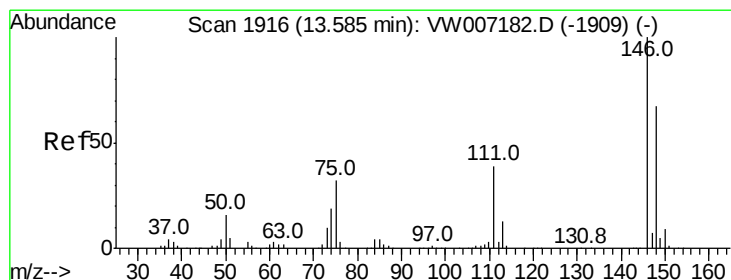
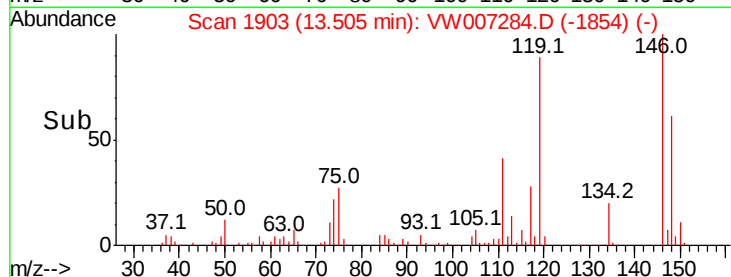
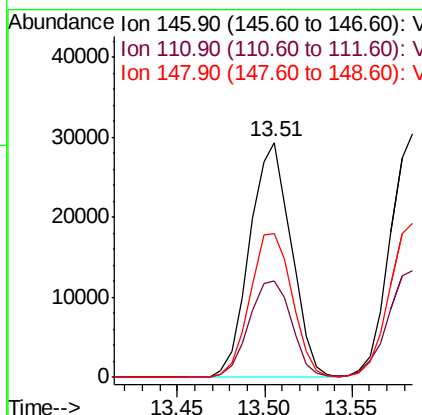
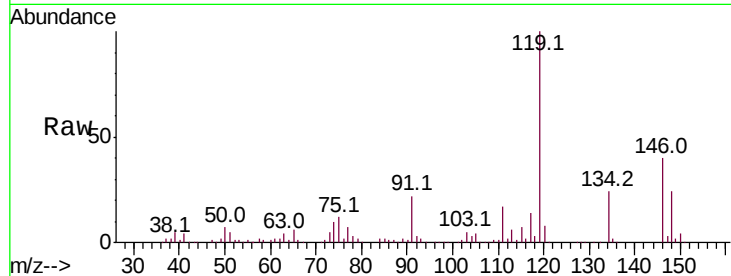




#87
 1,3-Dichlorobenzene
 Concen: 19.666 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

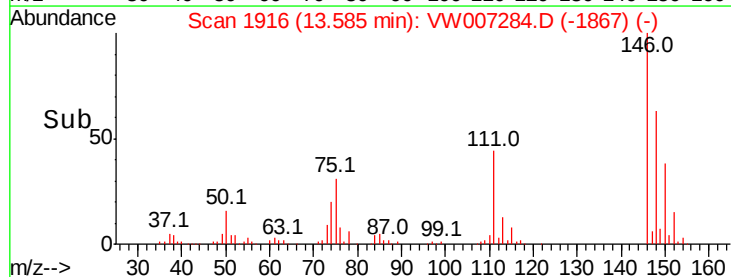
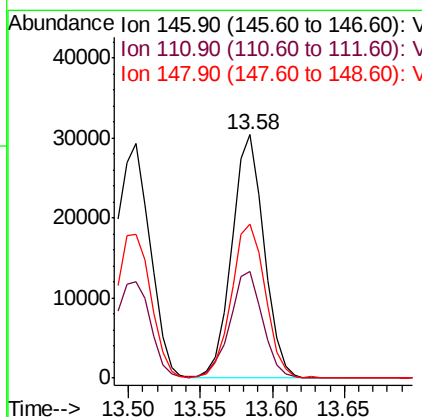
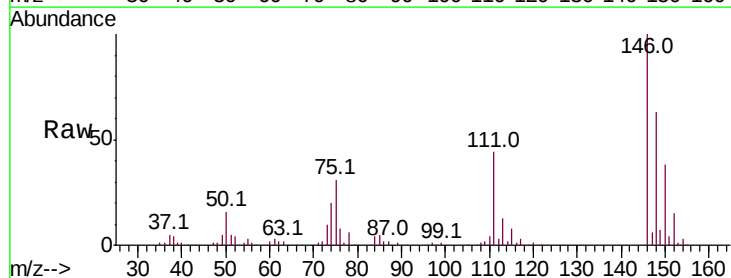
Instrument :
 MSVOA_W
 ClientSampleId :

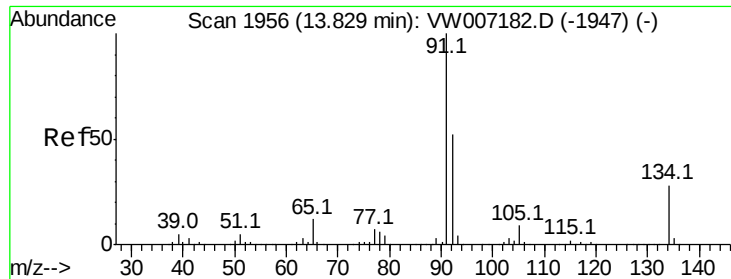
Tot Ion:146 Resp: 48309
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.1 63.4
 148 62.3 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 19.207 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion:146 Resp: 47658
 Ion Ratio Lower Upper
 146 100
 111 44.3 19.6 58.8
 148 66.5 32.6 98.0

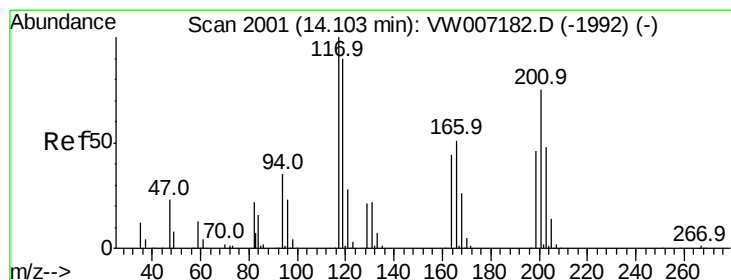
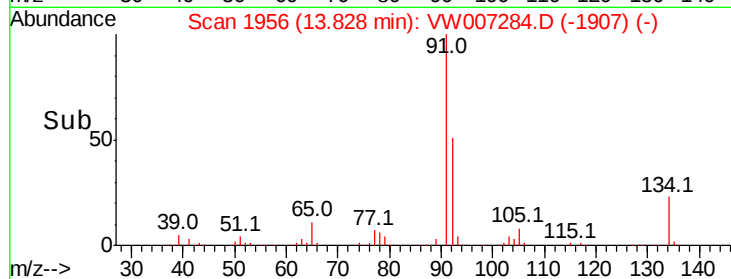
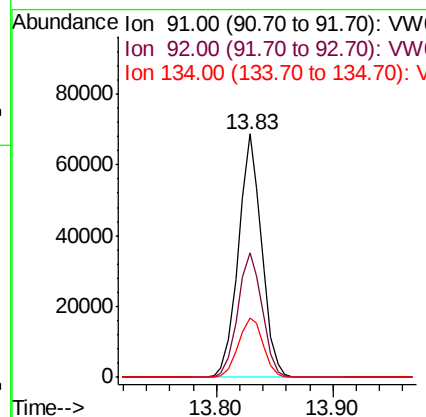
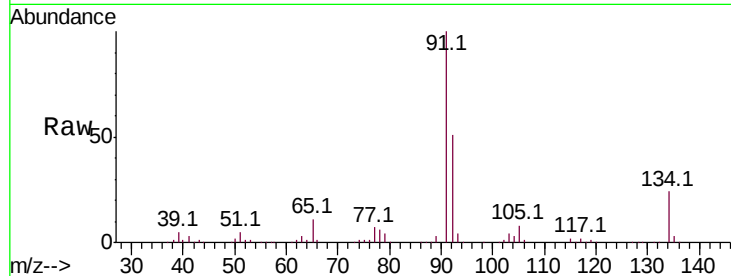




#89
n-Butylbenzene
Concen: 19.409 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

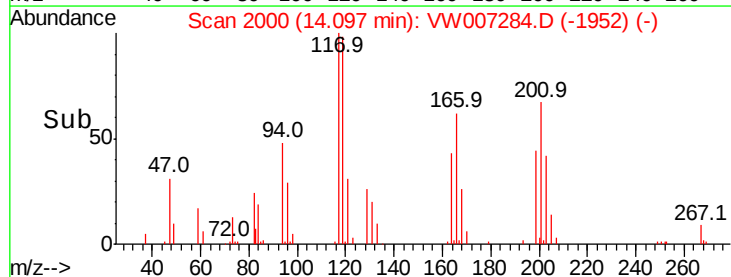
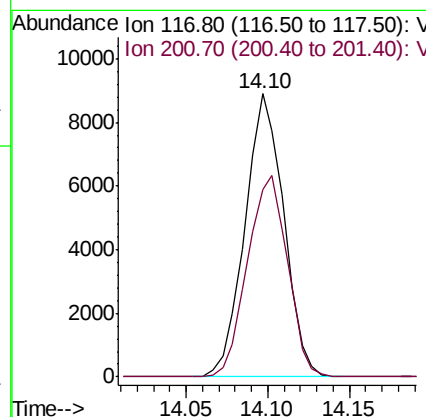
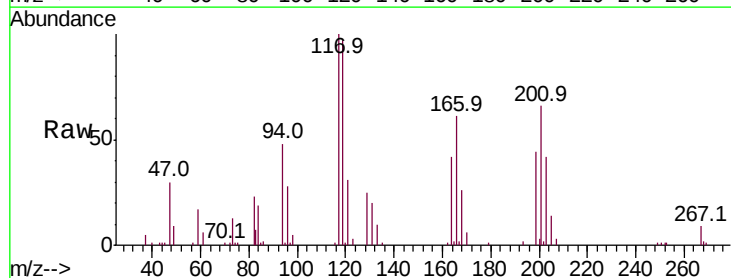
Instrument :
MSVOA_W
ClientSampleId :

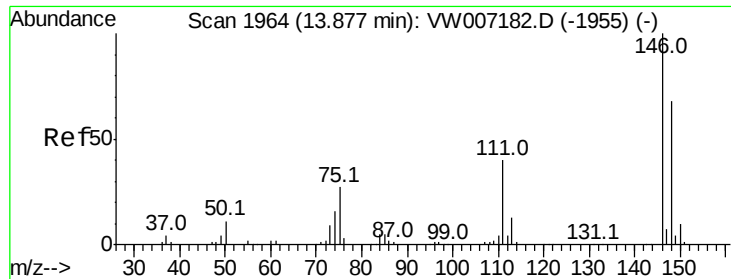
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.5
134	26.2	14.1	42.2



#90
Hexachloroethane
Concen: 18.400 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.0	108.1





#91

1,2-Dichlorobenzene

Concen: 20.118 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

Instrument :

MSVOA_W

ClientSampleId :

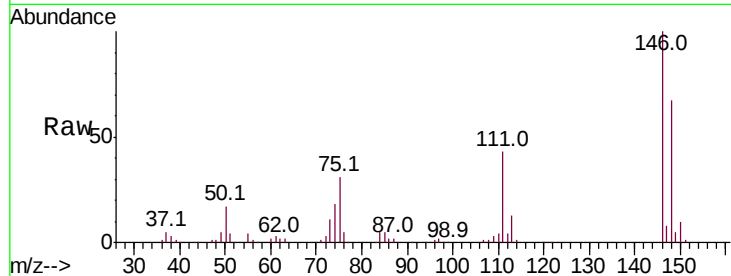
Tot Ion:146 Resp: 42783

Ion Ratio Lower Upper

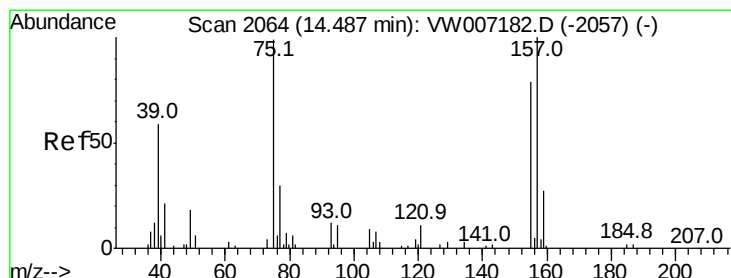
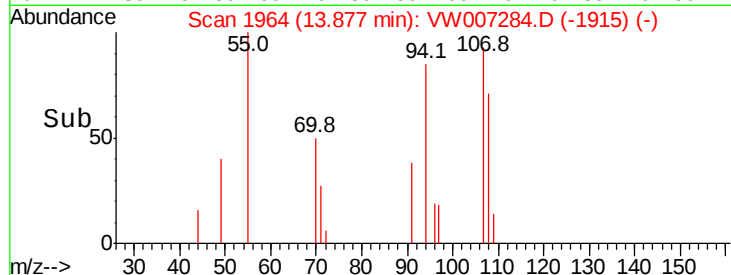
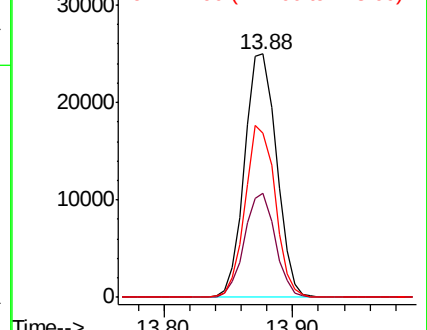
146 100

111 41.2 21.6 65.0

148 66.7 32.7 98.1



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: 20.291 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007284.D

Acq: 06 Dec 2018 17:48

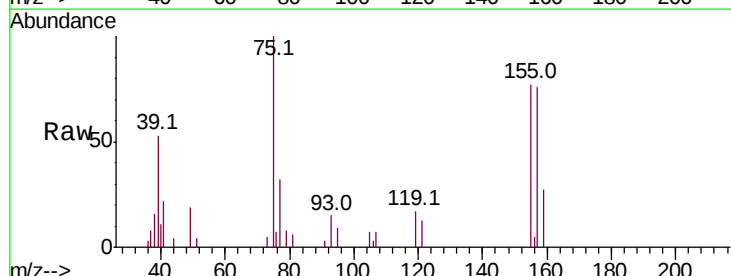
Tgt Ion: 75 Resp: 2830

Ion Ratio Lower Upper

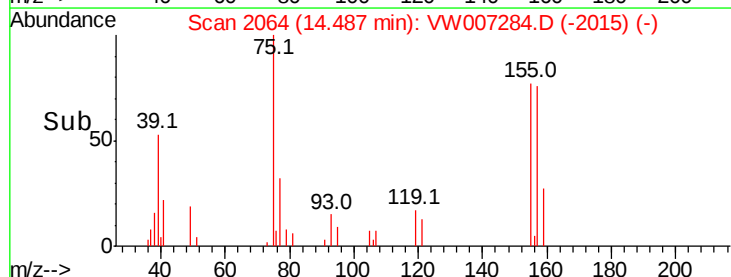
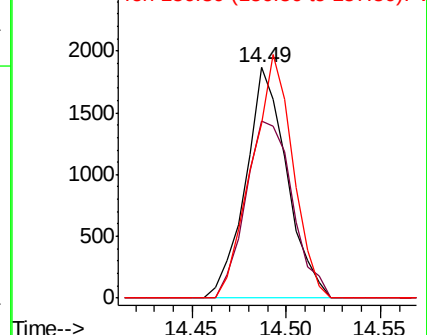
75 100

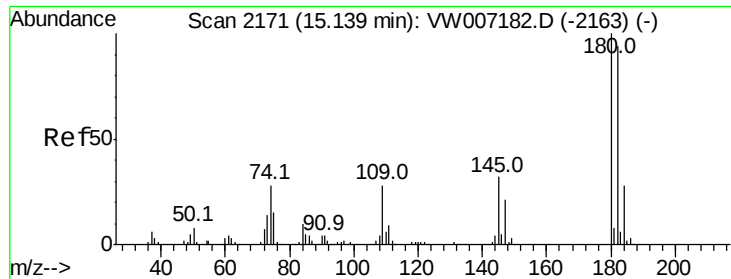
155 87.3 42.4 127.2

157 104.9 55.3 165.9



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

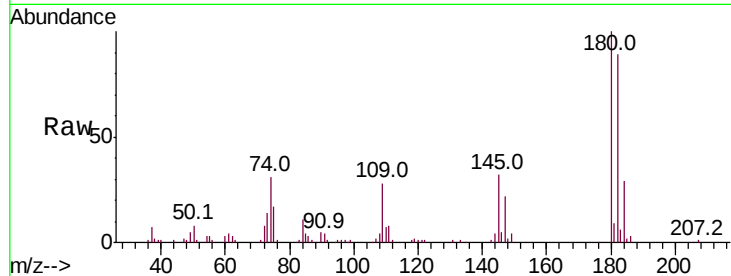




#93
 1,2,4-Trichlorobenzene
 Concen: 20.830 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.9	143.8
145	31.3	16.6	49.7

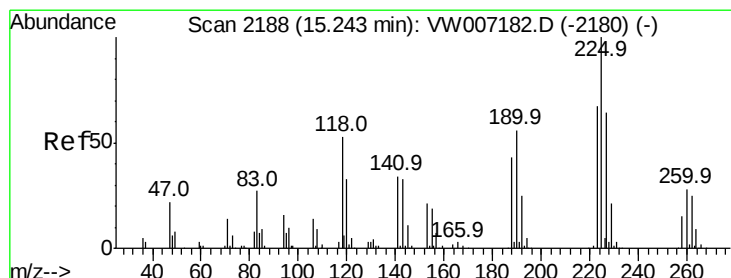
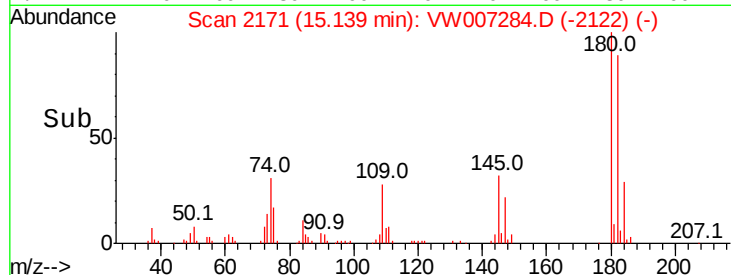
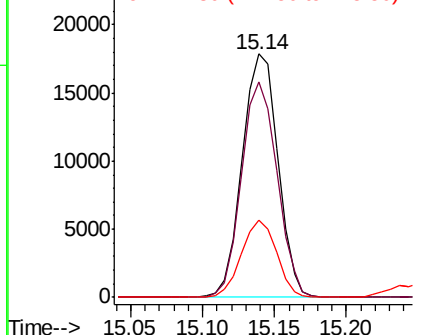


Abundance

Ion 179.80 (179.50 to 180.50): V

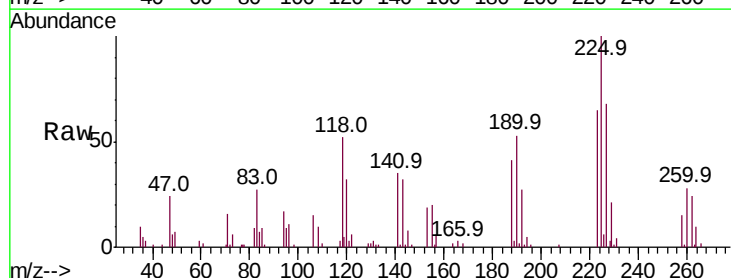
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.655 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007284.D
 Acq: 06 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.3	96.8
227	64.5	32.1	96.3

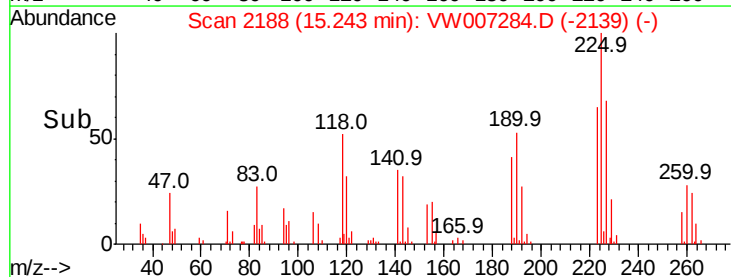
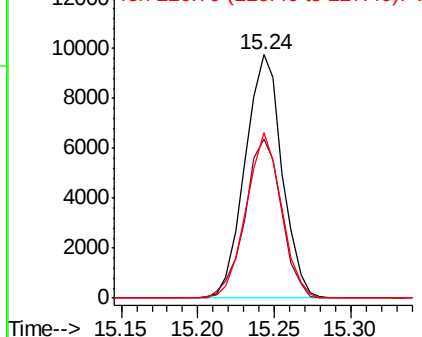


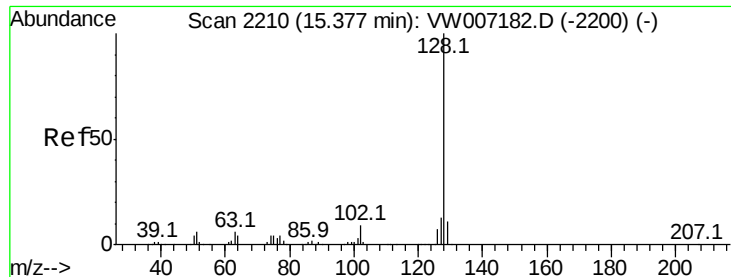
Abundance

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

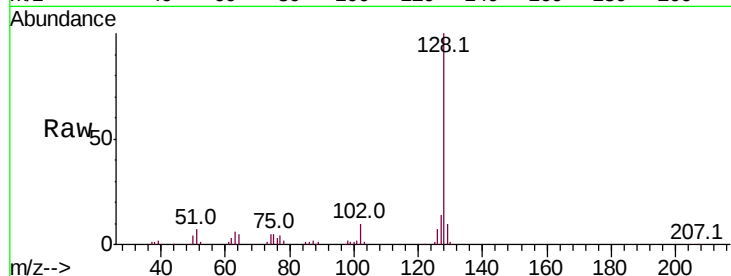




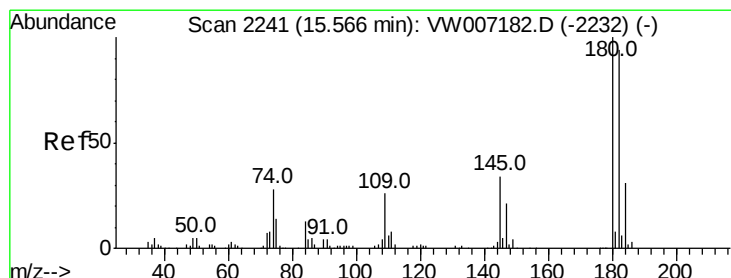
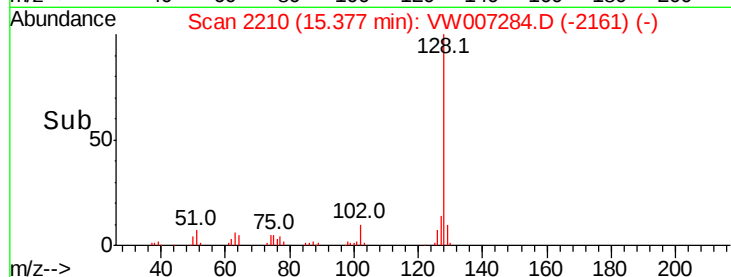
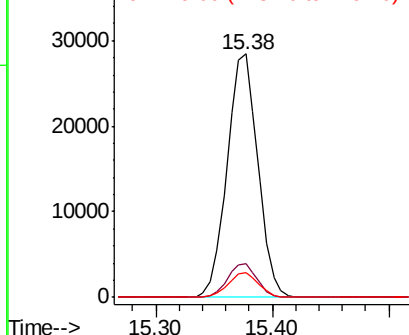
#95
Naphthalene
Concen: 19.799 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 52294
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.0 8.6 13.0

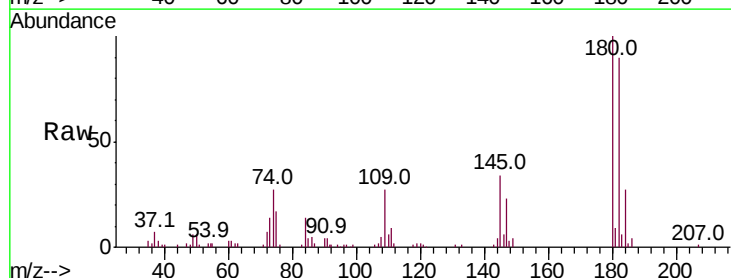


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.128 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007284.D
Acq: 06 Dec 2018 17:48

Tgt Ion:180 Resp: 25013
Ion Ratio Lower Upper
180 100
182 93.2 47.4 142.2
145 34.1 17.6 52.8



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

