

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007563.D
 Acq On : 15 Dec 2018 05:23
 Operator : SY/AP
 Sample : J6391-02MS
 Misc : 4.30G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

Quant Time: Dec 15 06:01:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	38550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	66687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	42804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	10994	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	29593	69.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.38%	
35) Dibromofluoromethane	7.88	113	24009	59.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.94%	
50) Toluene-d8	10.32	98	65079	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	
62) 4-Bromofluorobenzene	12.62	95	15041	27.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	14228	52.816	ug/l	94
3) Chloromethane	2.21	50	12279	54.424	ug/l	99
4) Vinyl Chloride	2.37	62	14079	53.175	ug/l	96
5) Bromomethane	2.78	94	10438	58.676	ug/l	85
6) Chloroethane	2.93	64	8678	59.542	ug/l	99
7) Trichlorofluoromethane	3.26	101	13780	57.890	ug/l	97
8) Diethyl Ether	3.68	74	15894	85.311	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	15499	39.461	ug/l	97
10) Methyl Iodide	4.26	142	34022	52.301	ug/l	98
11) Tert butyl alcohol	5.17	59	11724	399.147	ug/l	99
12) 1,1-Dichloroethene	4.03	96	19808	52.379	ug/l	96
13) Acrolein	3.89	56	440	22.639	ug/l #	78
14) Allyl chloride	4.67	41	33081	59.346	ug/l	99
15) Acrylonitrile	5.36	53	23881	304.065	ug/l	99
16) Acetone	4.12	43	29614	396.422	ug/l	98
17) Carbon Disulfide	4.37	76	53547	46.700	ug/l	99
18) Methyl Acetate	4.67	43	40408	199.297	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	51975	91.107	ug/l	100
20) Methylene Chloride	4.91	84	29785	74.858	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	23302	55.083	ug/l	96
22) Diisopropyl ether	6.31	45	80366	75.007	ug/l	98
23) Vinyl Acetate	6.31	43	43414	72.442	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	45758	63.189	ug/l	98
25) 2-Butanone	7.17	43	34106	349.714	ug/l	100
26) 2,2-Dichloropropane	7.17	77	26771	55.860	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	27240	58.808	ug/l	98
28) Bromochloromethane	7.51	49	18140	66.597	ug/l	99
29) Tetrahydrofuran	7.53	42	26209	424.506	ug/l	96
30) Chloroform	7.68	83	49060	62.255	ug/l	99
31) Cyclohexane	7.95	56	15950	24.007	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	35835	51.855	ug/l	99
36) 1,1-Dichloropropene	8.08	75	24875	40.890	ug/l	100
37) Ethyl Acetate	7.26	43	3992	17.643	ug/l #	78
38) Carbon Tetrachloride	8.07	117	28378	42.872	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10738	14.577	ug/l	92
40) Benzene	8.32	78	92171	54.595	ug/l	99
41) Methacrylonitrile	7.52	41	22807	177.008	ug/l #	44
42) 1,2-Dichloroethane	8.40	62	38817	73.194	ug/l	98
43) Isopropyl Acetate	8.43	43	13991	31.304	ug/l #	80
44) Trichloroethene	9.09	130	20695	42.927	ug/l	98
45) 1,2-Dichloropropane	9.37	63	23459	60.046	ug/l	94
46) Dibromomethane	9.46	93	15695	70.742	ug/l	97
47) Bromodichloromethane	9.65	83	35648	61.256	ug/l	94
48) Methyl methacrylate	9.44	41	16536	72.040	ug/l	97
49) 1,4-Dioxane	9.45	88	5619	1560.889	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	82420	390.284	ug/l	98
52) Toluene	10.39	92	50064	45.823	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	32209	57.010	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	35454	54.284	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	20858	69.076	ug/l	96
56) Ethyl methacrylate	10.65	69	3775	10.401	ug/l #	72
57) 1,3-Dichloropropane	10.93	76	34198	69.001	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	39830	237.978	ug/l	98
59) 2-Hexanone	10.97	43	47354	336.287	ug/l	100
60) Dibromochloromethane	11.13	129	22496	59.034	ug/l	97
61) 1,2-Dibromoethane	11.24	107	19799	66.350	ug/l	94
64) Tetrachloroethene	10.87	164	11319	36.772	ug/l	93
65) Chlorobenzene	11.66	112	44243	49.590	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	20351	64.766	ug/l	97
67) Ethyl Benzene	11.73	91	69384	45.234	ug/l	91
68) m/p-Xylenes	11.84	106	50832	85.244	ug/l	100
69) o-Xylene	12.17	106	25464	45.723	ug/l	100
70) Styrene	12.18	104	41165	45.763	ug/l	98
71) Bromoform	12.35	173	11543	71.770	ug/l #	98
73) Isopropylbenzene	12.47	105	49639	58.925	ug/l	99
74) N-amyl acetate	12.27	43	1187	7.753	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.72	83	17357	139.113	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	23759	262.100	ug/l #	2
77) Bromobenzene	12.75	156	14804	79.281	ug/l	84
78) n-propylbenzene	12.81	91	47412	50.010	ug/l	99
79) 2-Chlorotoluene	12.90	91	32197	56.127	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	36509	51.579	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5252	127.985	ug/l	97
82) 4-Chlorotoluene	12.99	91	33500	55.401	ug/l	97
83) tert-Butylbenzene	13.21	119	28311	45.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	37224	51.105	ug/l	99
85) sec-Butylbenzene	13.39	105	30468	35.785	ug/l	96
86) p-Isopropyltoluene	13.51	119	27746	36.275	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	17487	46.971	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	18313	48.928	ug/l	96
89) n-Butylbenzene	13.83	91	18893	26.644	ug/l	98
90) Hexachloroethane	14.10	117	4890	35.930	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	16287	48.844	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3075	122.810	ug/l	99

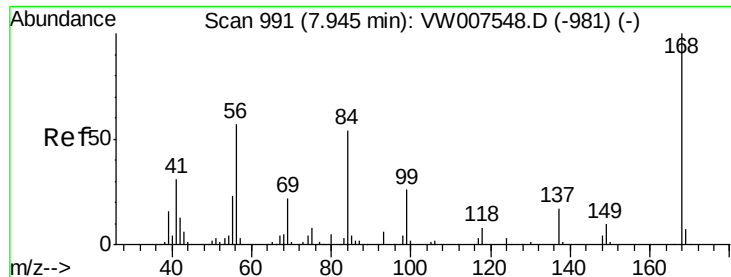
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	5053	22.020	ug/l	92
94) Hexachlorobutadiene	15.24	225	2003	16.451	ug/l	94
95) Naphthalene	15.38	128	15349	34.964	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	3995	20.041	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

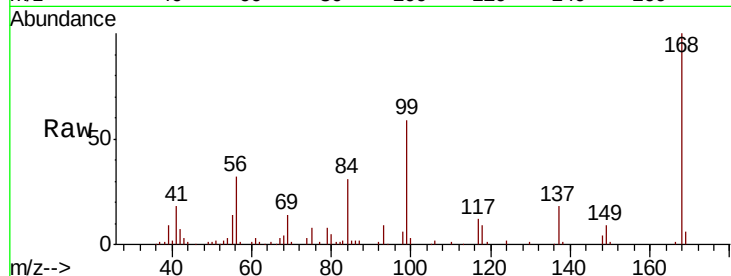
P001-SS015-0612-01MS

Tgt Ion:168 Resp: 38550

Ion Ratio Lower Upper

168 100

99 59.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

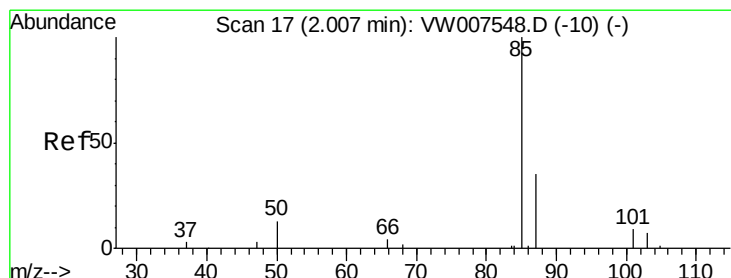
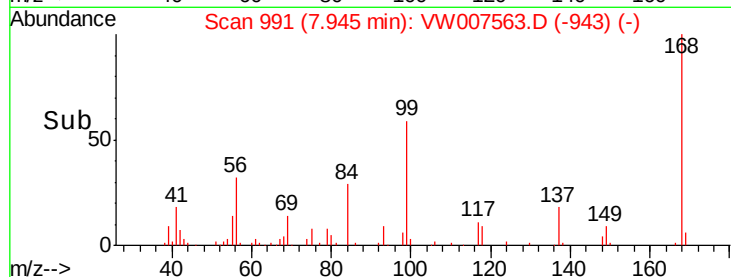
10000

5000

0

7.85 7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.816 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007563.D

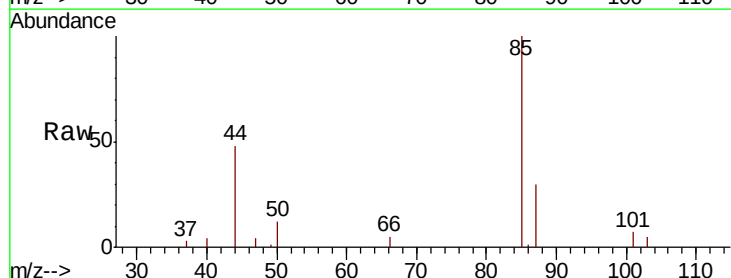
Acq: 15 Dec 2018 05:23

Tgt Ion: 85 Resp: 14228

Ion Ratio Lower Upper

85 100

87 29.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

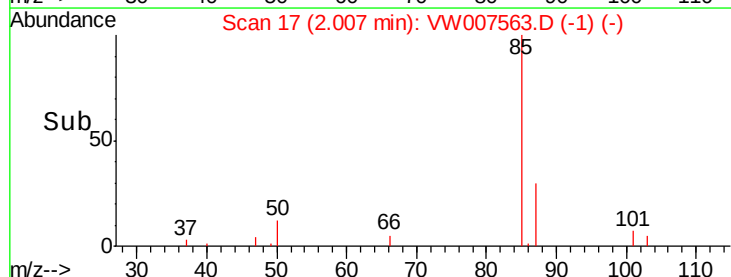
2000

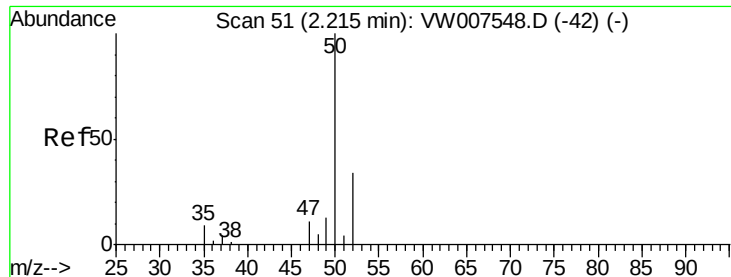
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 54.424 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

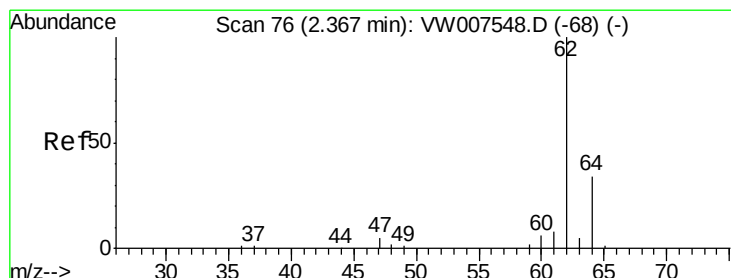
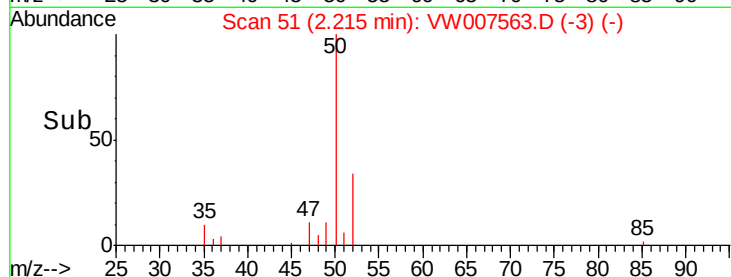
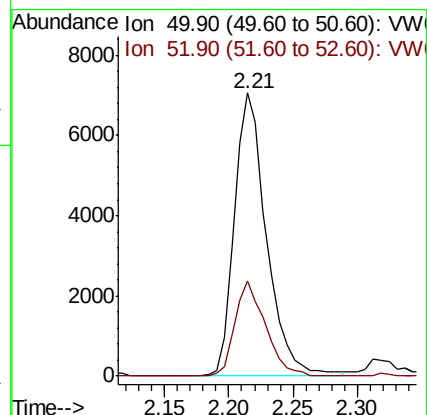
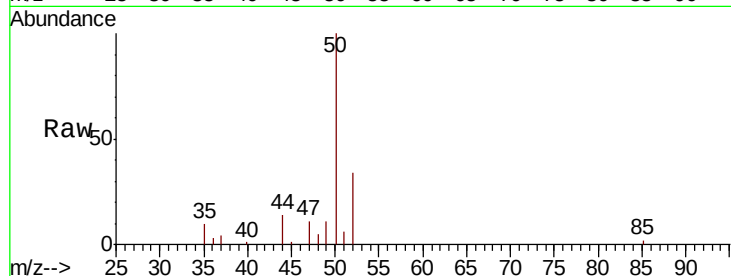
P001-SS015-0612-01MS

Tgt Ion: 50 Resp: 12279

Ion Ratio Lower Upper

50 100

52 33.5 27.4 41.0



#4

Vinyl Chloride

Concen: 53.175 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007563.D

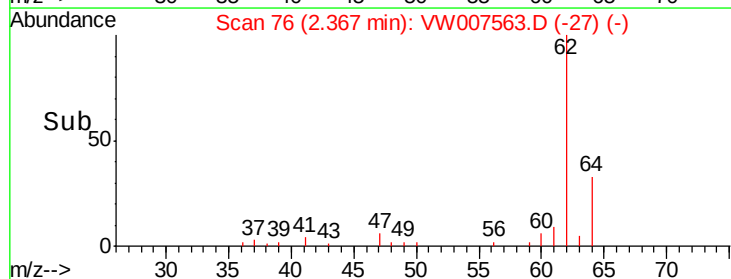
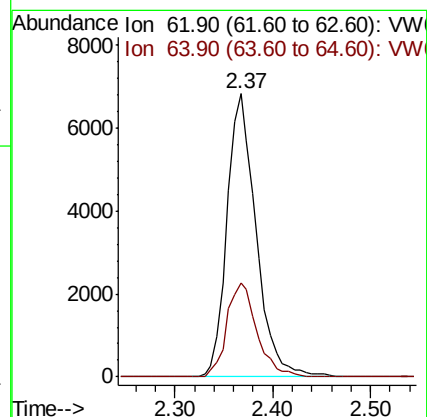
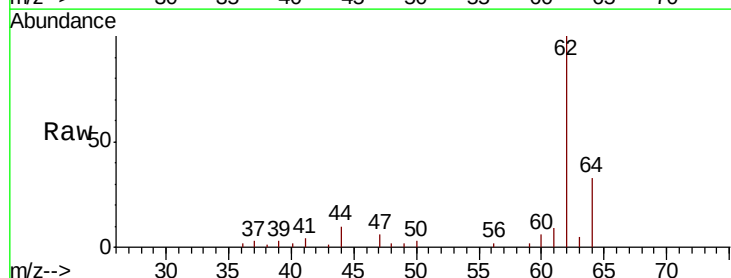
Acq: 15 Dec 2018 05:23

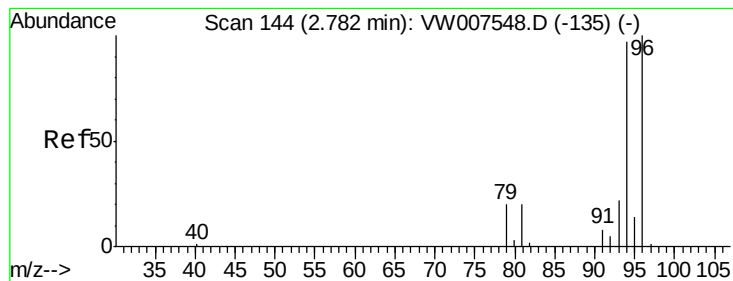
Tgt Ion: 62 Resp: 14079

Ion Ratio Lower Upper

62 100

64 33.0 24.6 37.0





#5

Bromomethane

Concen: 58.676 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

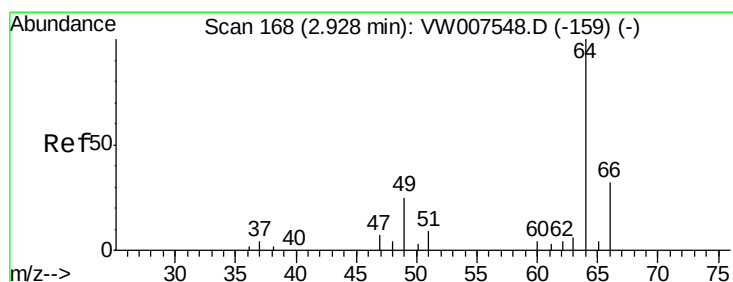
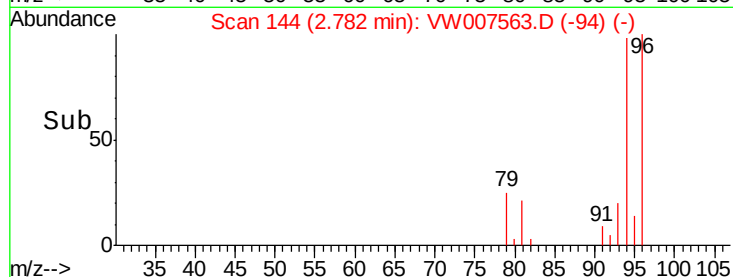
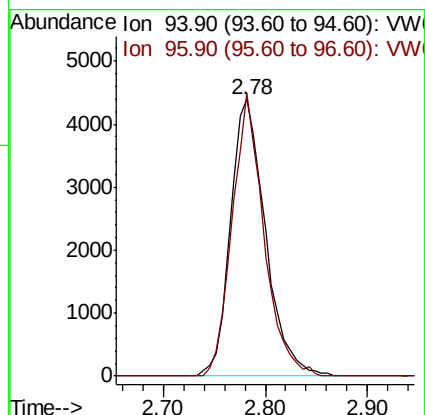
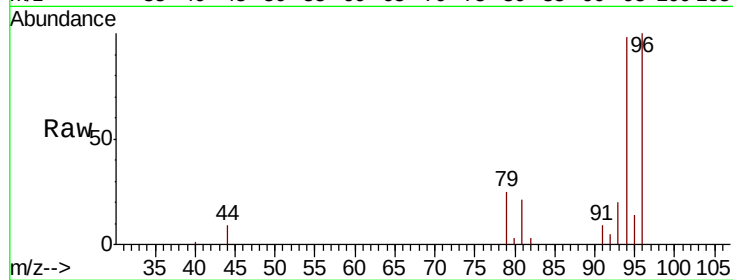
P001-SS015-0612-01MS

Tgt Ion: 94 Resp: 10438

Ion Ratio Lower Upper

94 100

96 102.3 71.0 106.4



#6

Chloroethane

Concen: 59.542 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007563.D

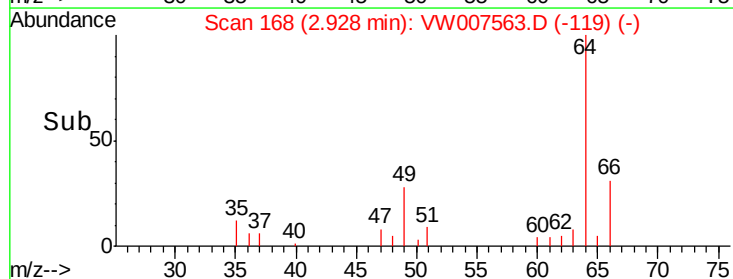
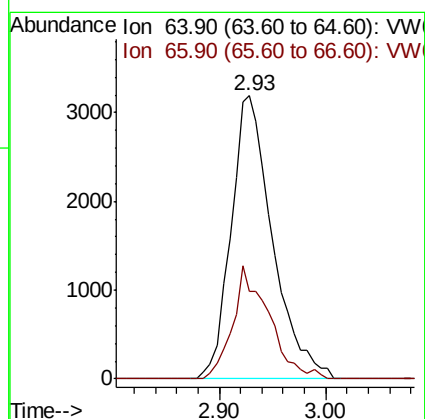
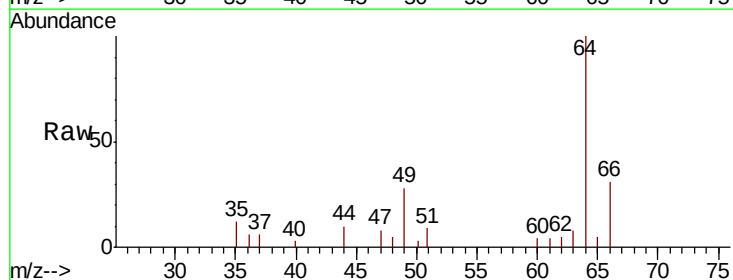
Acq: 15 Dec 2018 05:23

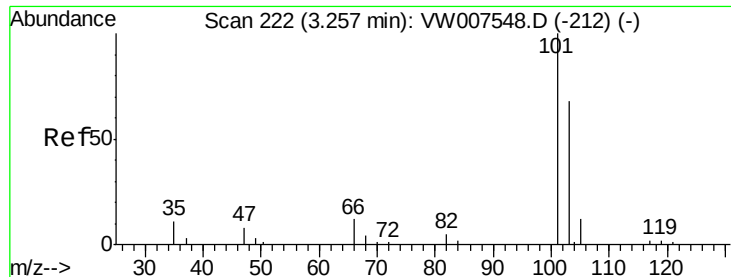
Tgt Ion: 64 Resp: 8678

Ion Ratio Lower Upper

64 100

66 31.1 24.6 37.0



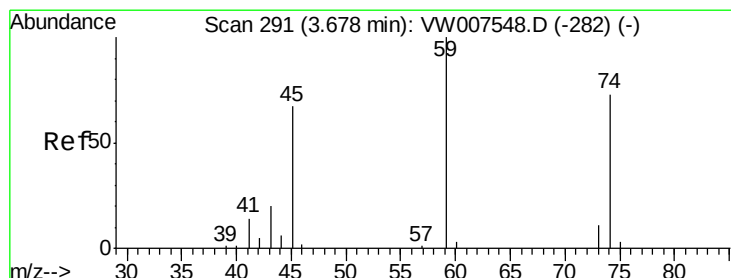
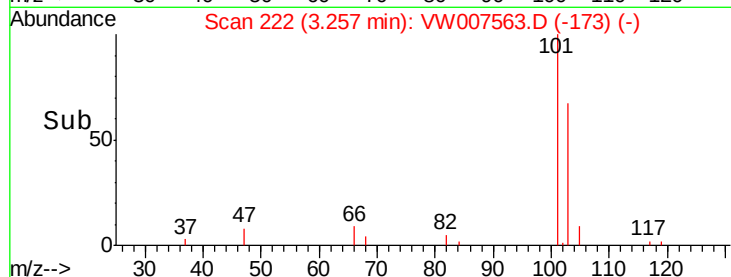
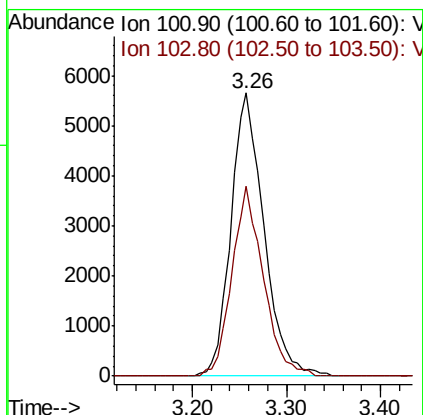
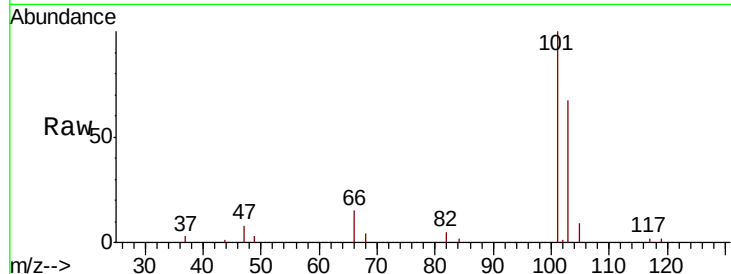


#7

Trichlorofluoromethane
 Concen: 57.890 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007563.D
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 P001-SS015-0612-01MS

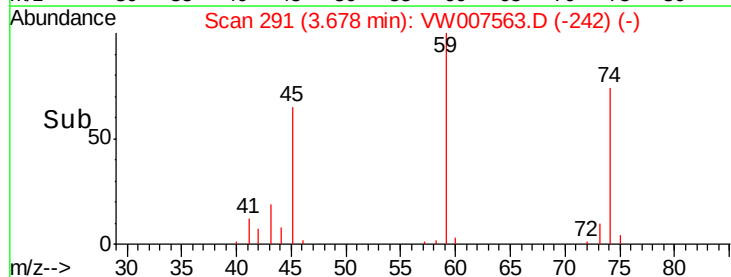
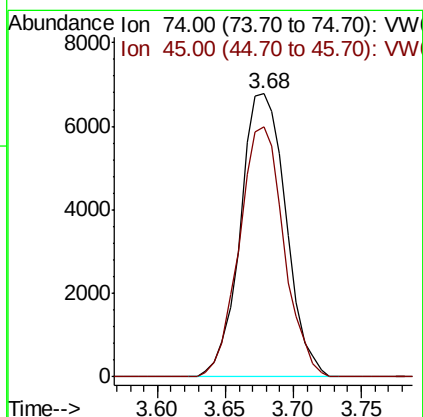
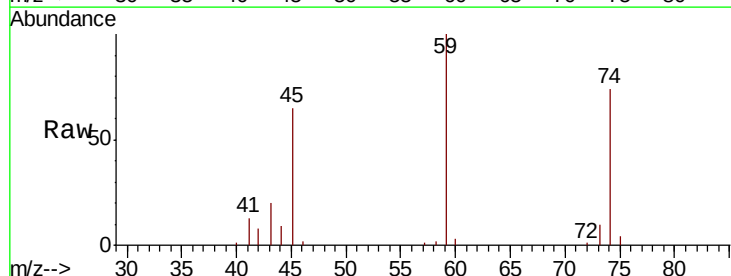
Tgt Ion: 101 Resp: 13780
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.7 77.5

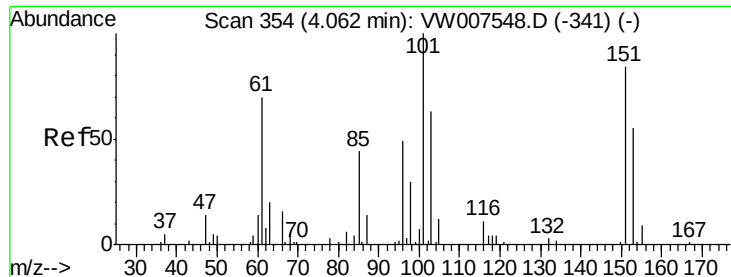


#8

Diethyl Ether
 Concen: 85.311 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion: 74 Resp: 15894
 Ion Ratio Lower Upper
 74 100
 45 86.5 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.461 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

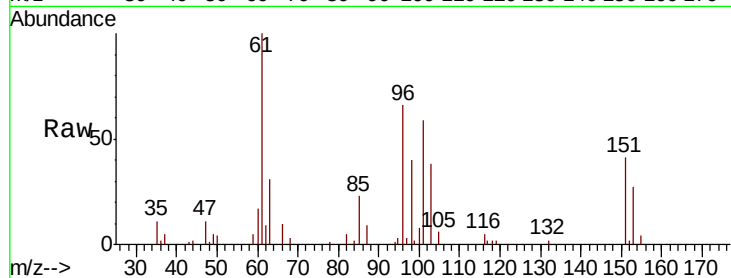
Tgt Ion:101 Resp: 15499

Ion Ratio Lower Upper

101 100

85 43.3 33.9 50.9

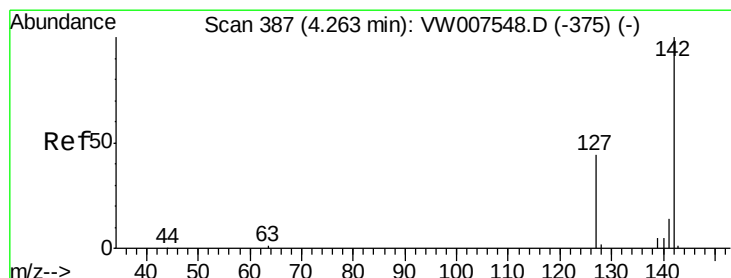
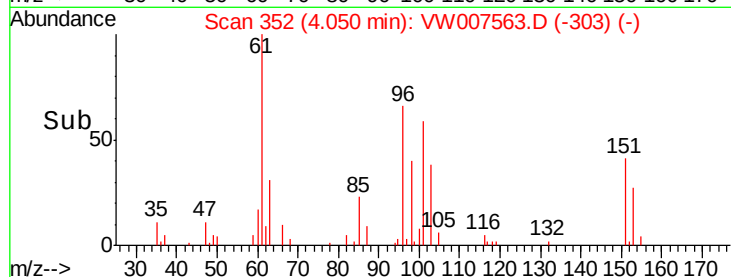
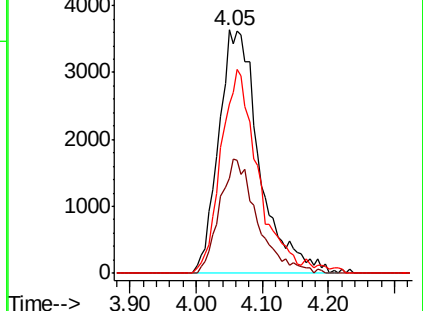
151 75.8 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.301 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

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Acq: 15 Dec 2018 05:23

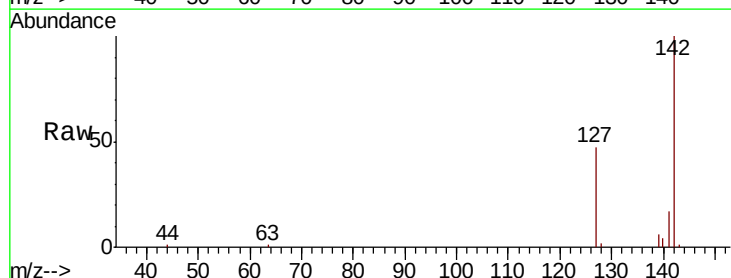
Tgt Ion:142 Resp: 34022

Ion Ratio Lower Upper

142 100

127 45.8 35.8 53.6

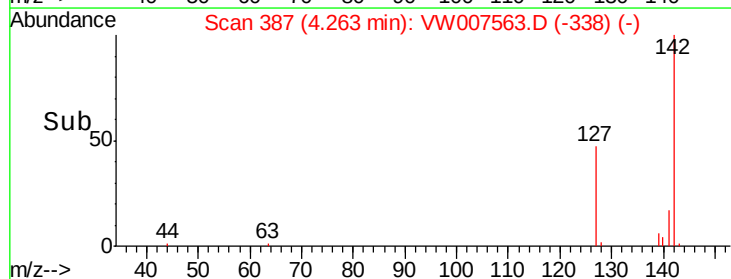
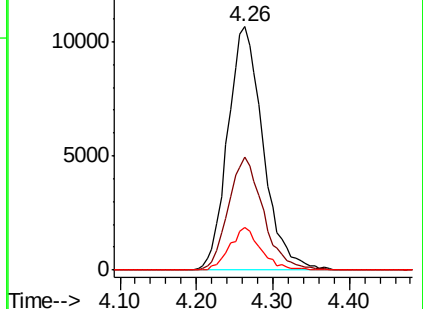
141 15.5 11.1 16.7

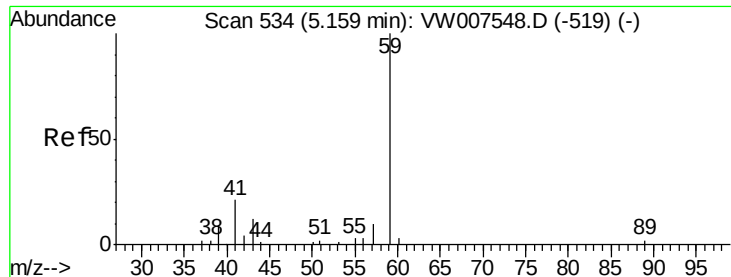


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

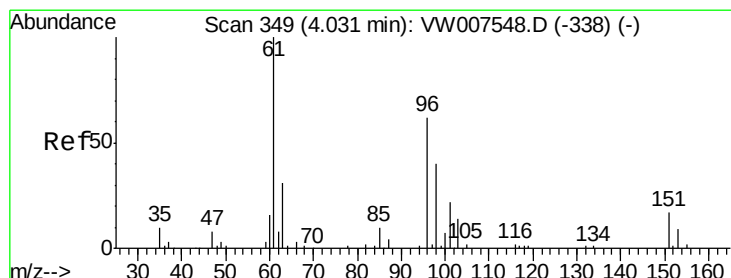
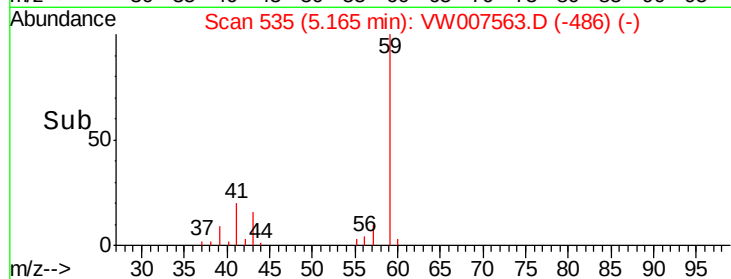
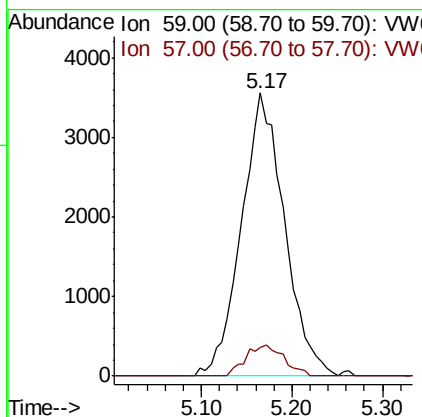
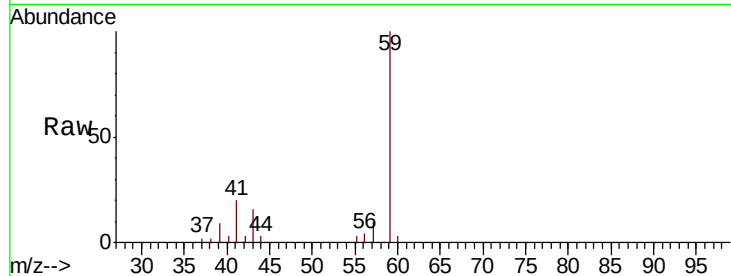




#11
Tert butyl alcohol
Concen: 399.147 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

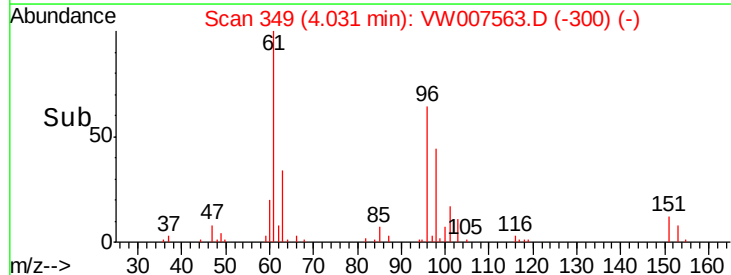
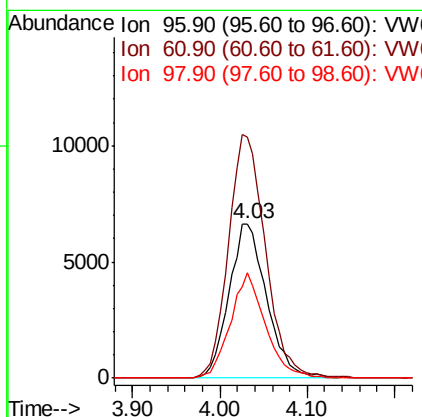
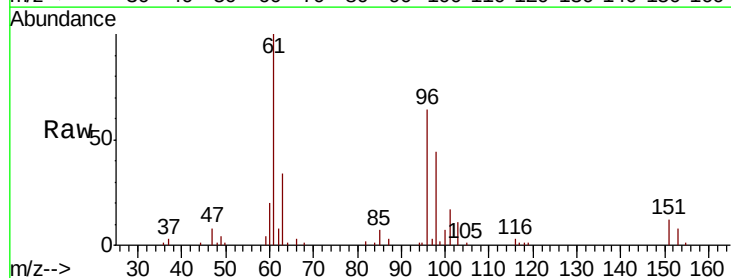
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

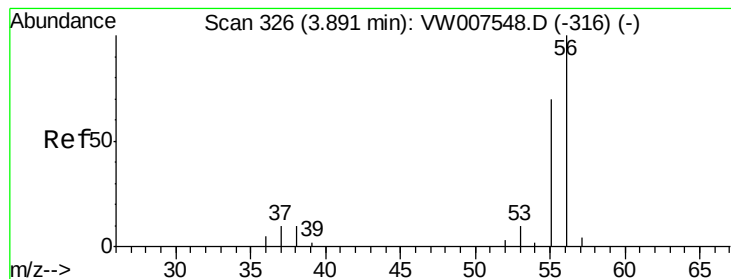
Tgt Ion: 59 Resp: 11724
Ion Ratio Lower Upper
59 100
57 9.7 7.6 11.4



#12
1,1-Dichloroethene
Concen: 52.379 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 96 Resp: 19808
Ion Ratio Lower Upper
96 100
61 155.6 126.2 189.2
98 68.1 48.3 72.5





#13

Acrolein

Concen: 22.639 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

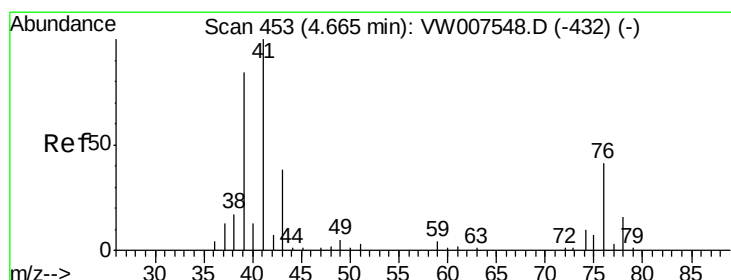
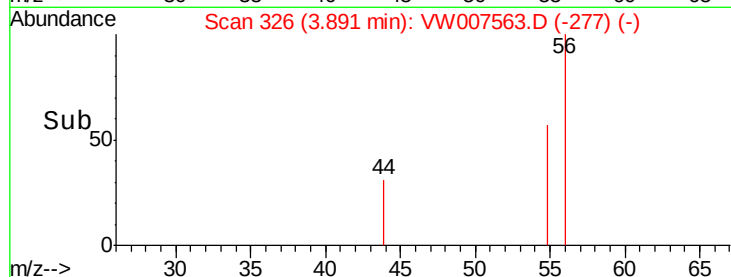
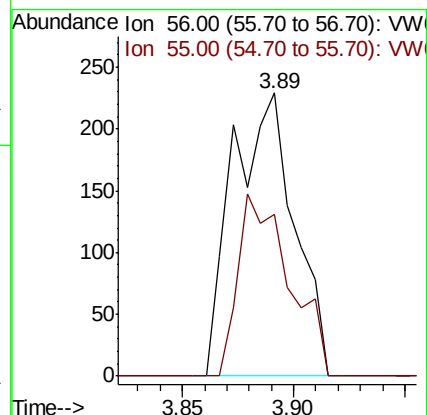
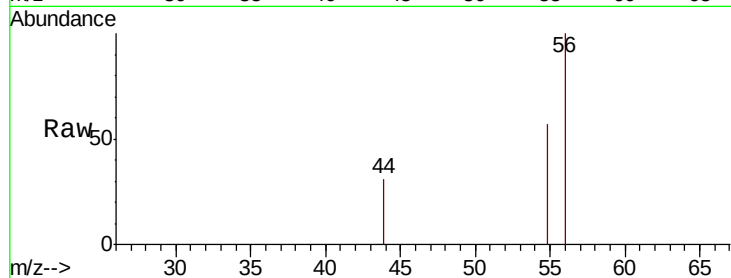
P001-SS015-0612-01MS

Tgt Ion: 56 Resp: 440

Ion Ratio Lower Upper

56 100

55 53.9 57.4 86.2#



#14

Allyl chloride

Concen: 59.346 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

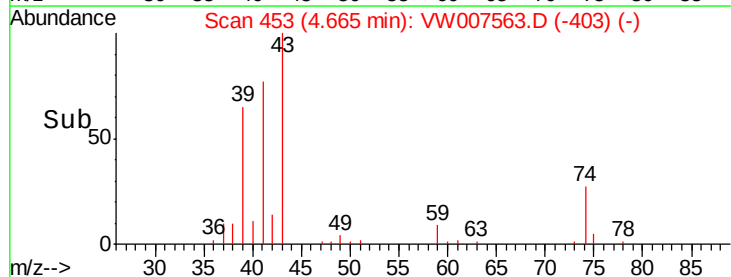
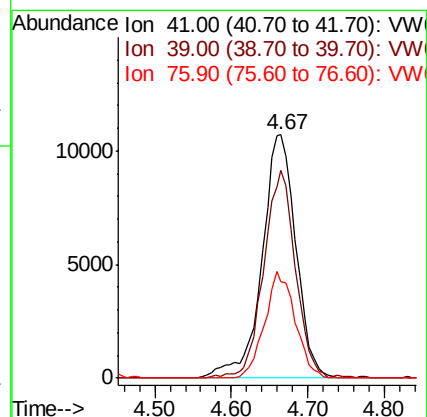
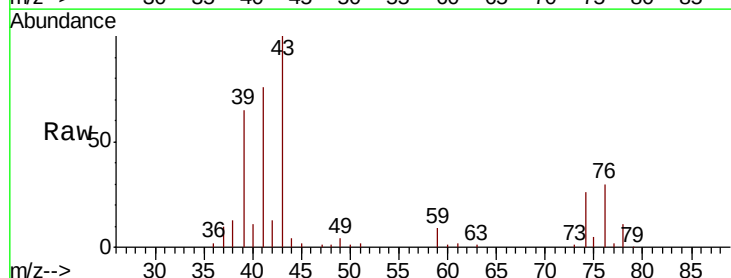
Tgt Ion: 41 Resp: 33081

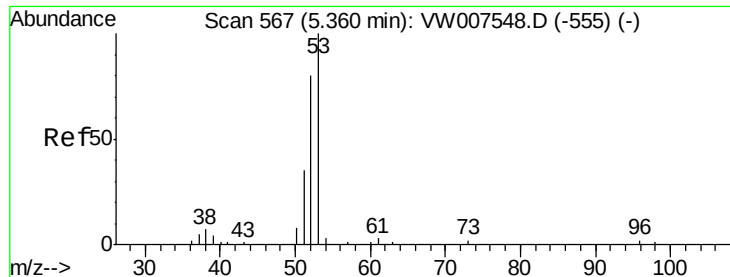
Ion Ratio Lower Upper

41 100

39 79.8 63.4 95.2

76 39.4 32.1 48.1





#15

Acrylonitrile

Concen: 304.065 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

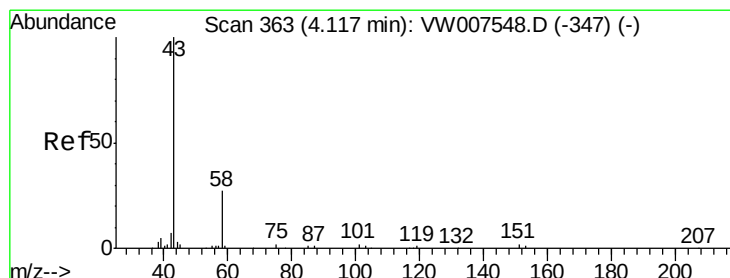
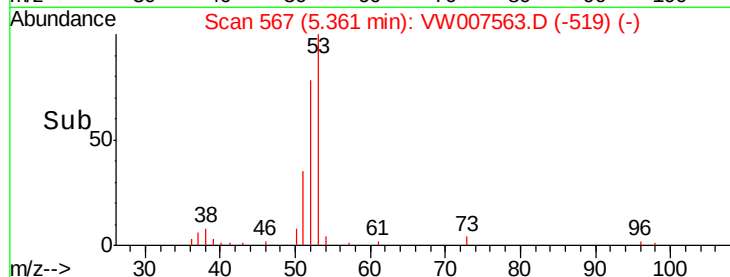
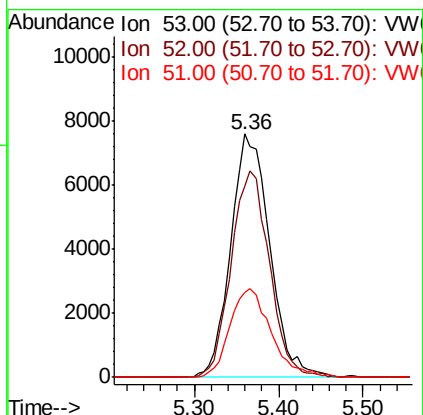
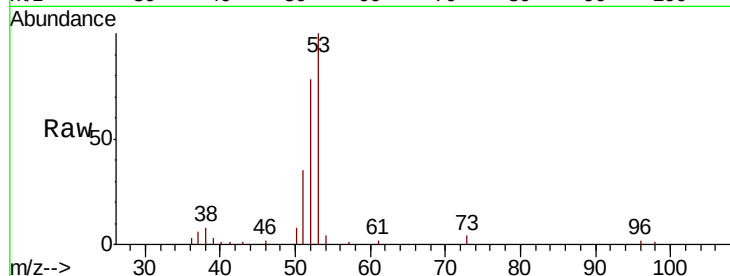
Tgt Ion: 53 Resp: 23881

Ion Ratio Lower Upper

53 100

52 83.1 67.4 101.2

51 38.5 30.2 45.2



#16

Acetone

Concen: 396.422 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007563.D

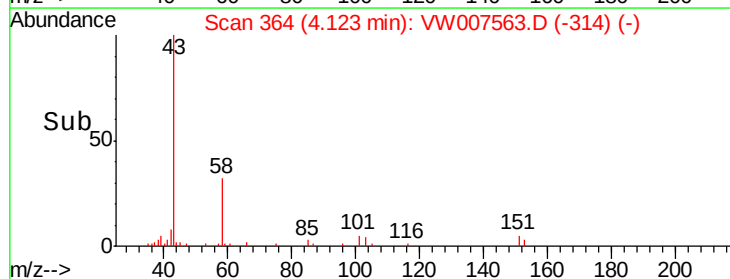
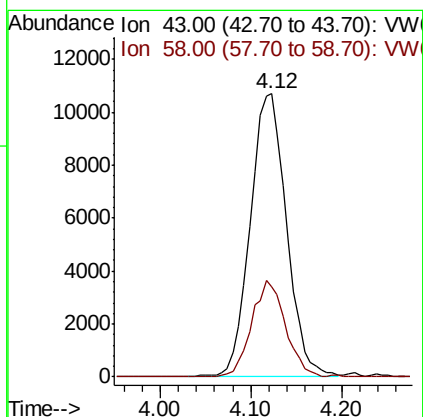
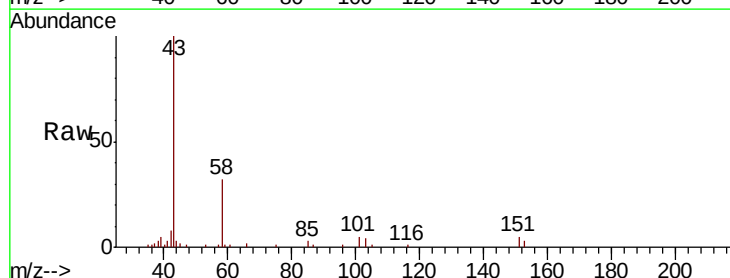
Acq: 15 Dec 2018 05:23

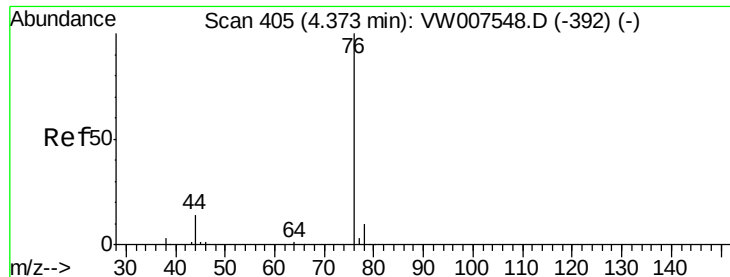
Tgt Ion: 43 Resp: 29614

Ion Ratio Lower Upper

43 100

58 31.9 24.9 37.3

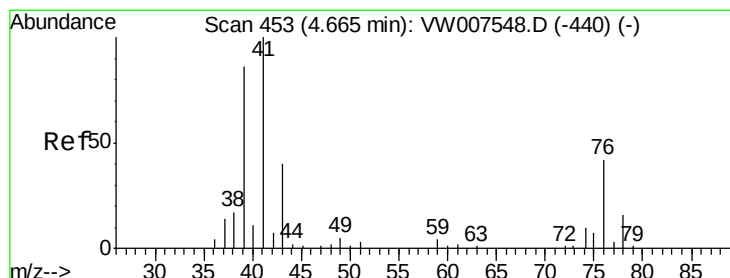
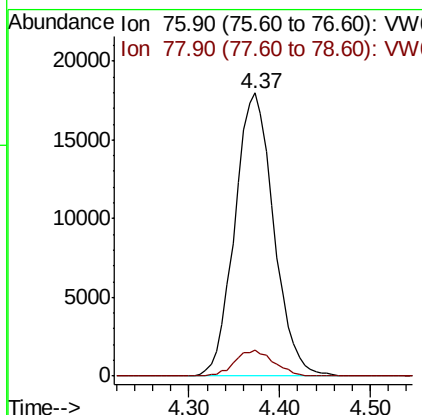
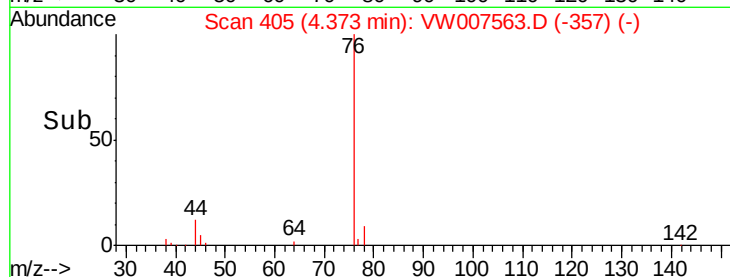
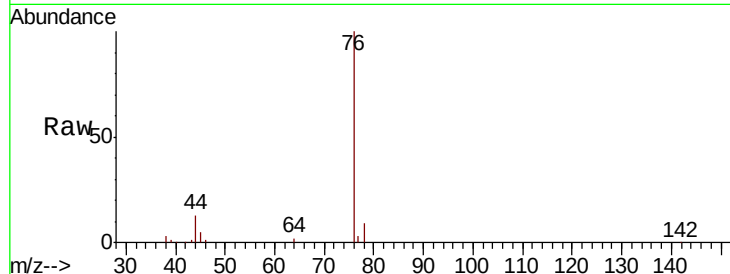




#17
Carbon Disulfide
Concen: 46.700 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

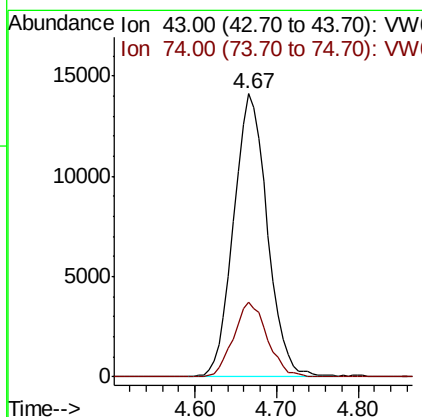
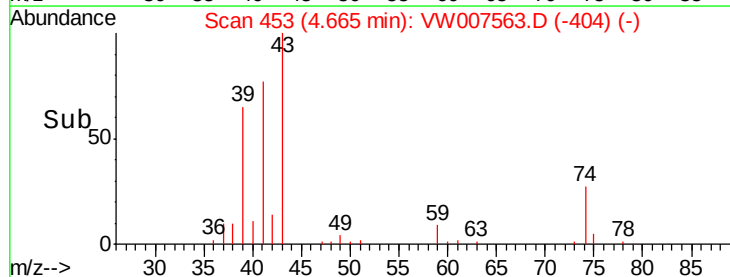
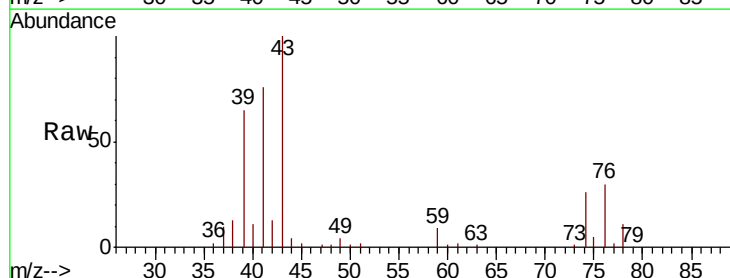
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

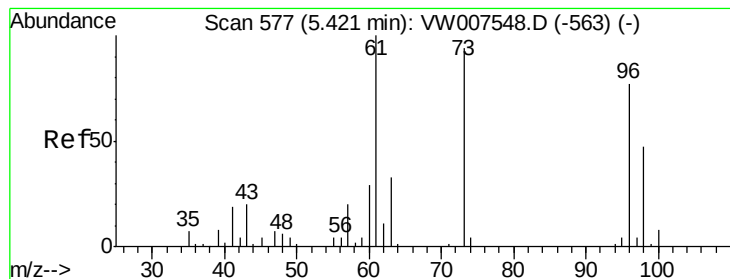
Tgt Ion: 76 Resp: 53547
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 199.297 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 43 Resp: 40408
Ion Ratio Lower Upper
43 100
74 26.2 21.1 31.7





#19

Methyl tert-butyl Ether

Concen: 91.107 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

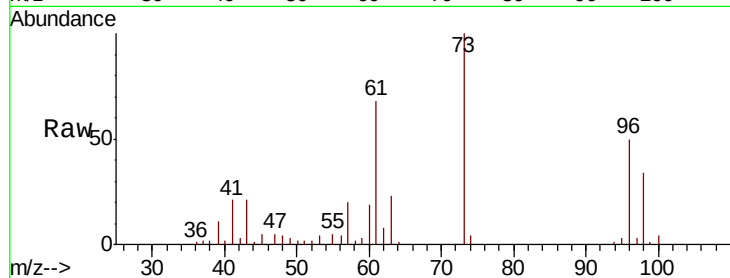
P001-SS015-0612-01MS

Tgt Ion: 73 Resp: 51975

Ion Ratio Lower Upper

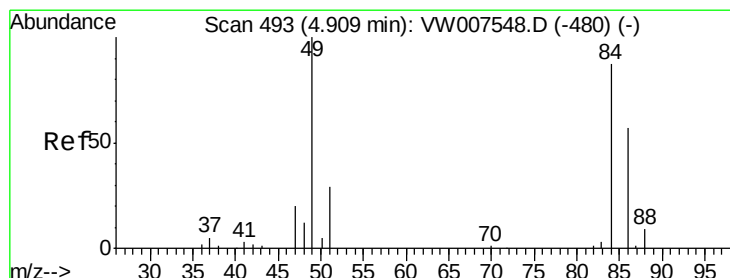
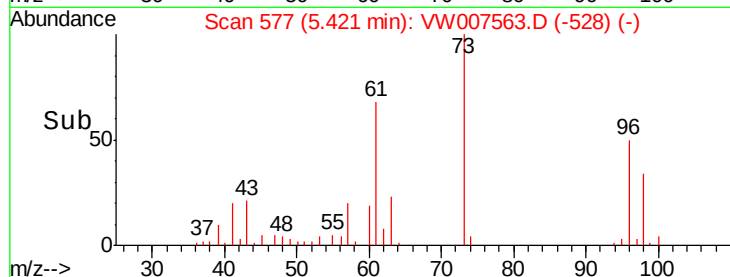
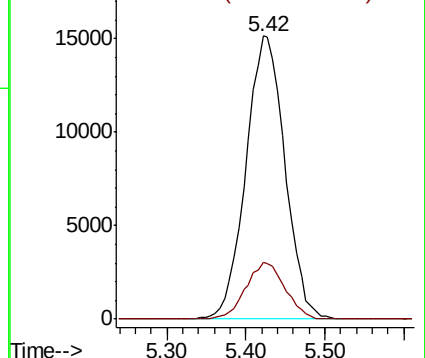
73 100

57 20.3 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 74.858 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Tgt Ion: 84 Resp: 29785

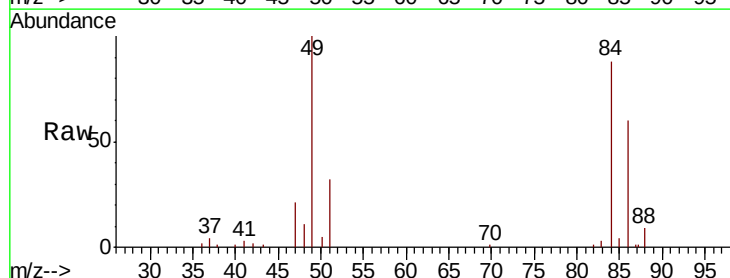
Ion Ratio Lower Upper

84 100

49 113.1 87.1 130.7

51 35.8 28.2 42.2

86 67.6 50.8 76.2

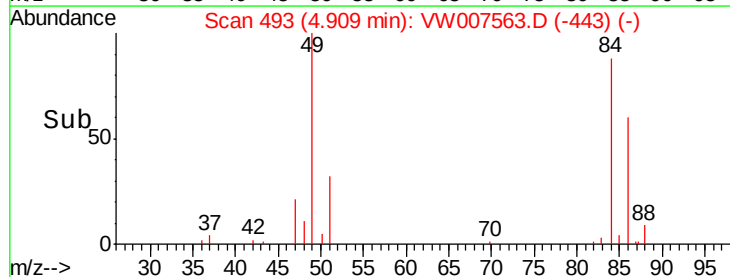
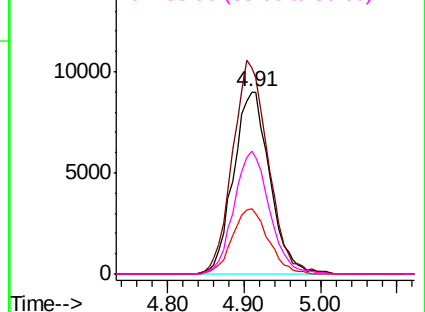


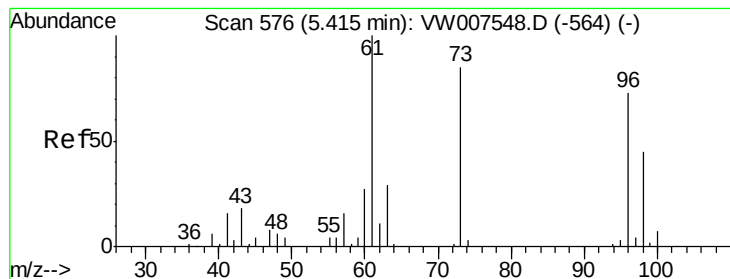
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 55.083 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

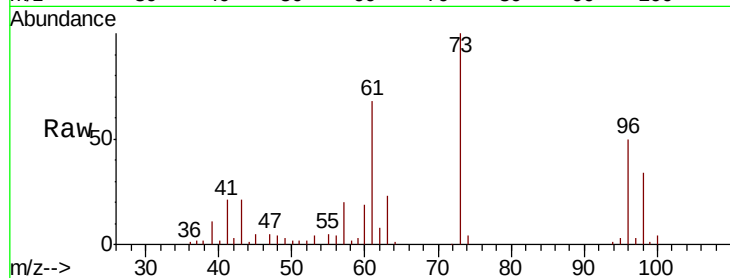
Tgt Ion: 96 Resp: 23302

Ion Ratio Lower Upper

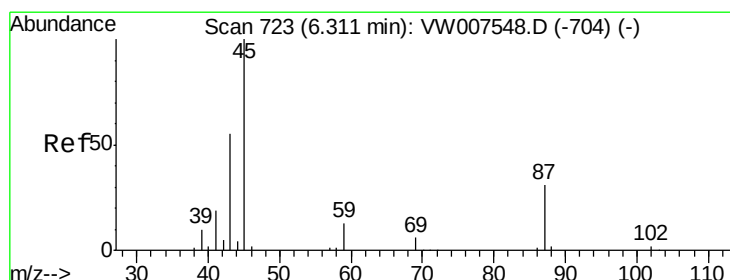
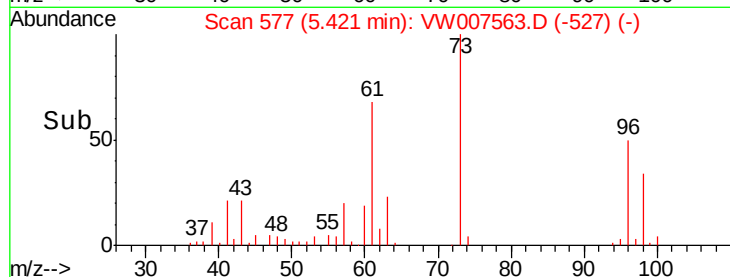
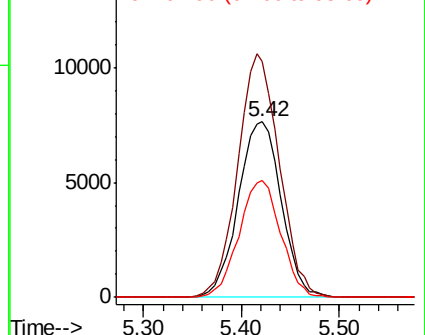
96 100

61 134.6 105.0 157.6

98 67.0 49.7 74.5



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



#22

Diisopropyl ether

Concen: 75.007 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Tgt Ion: 45 Resp: 80366

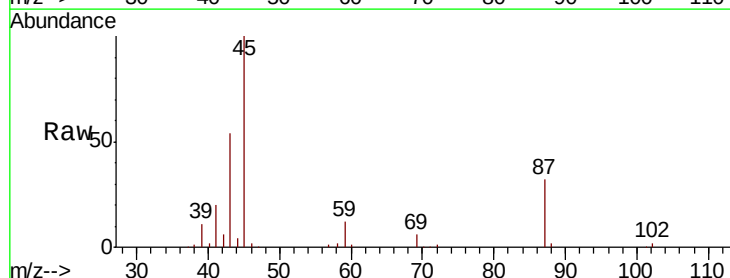
Ion Ratio Lower Upper

45 100

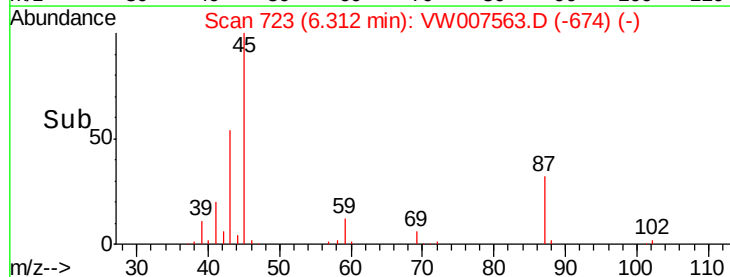
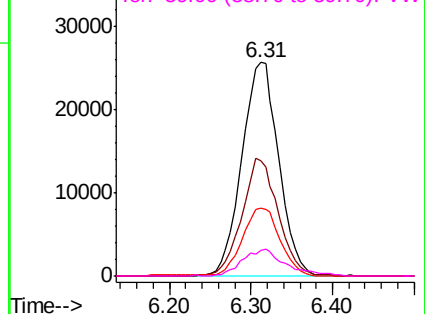
43 53.8 41.6 62.4

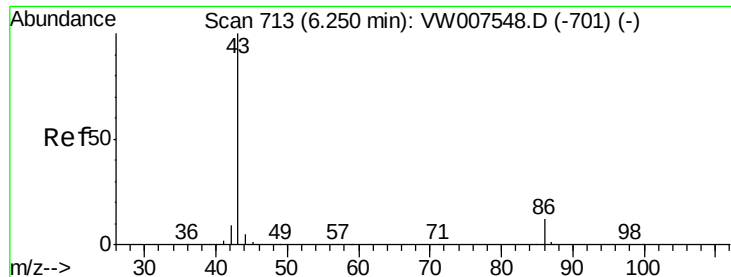
87 31.8 24.3 36.5

59 11.8 9.4 14.0



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





#23

Vinyl Acetate

Concen: 72.442 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.05 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

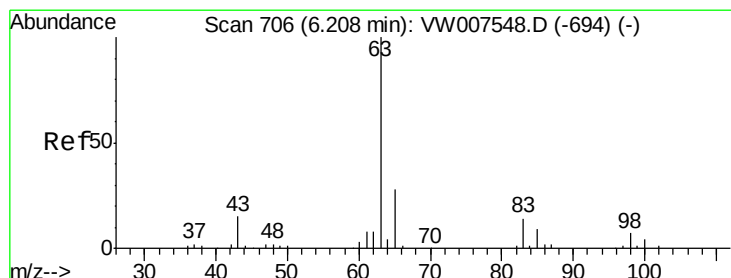
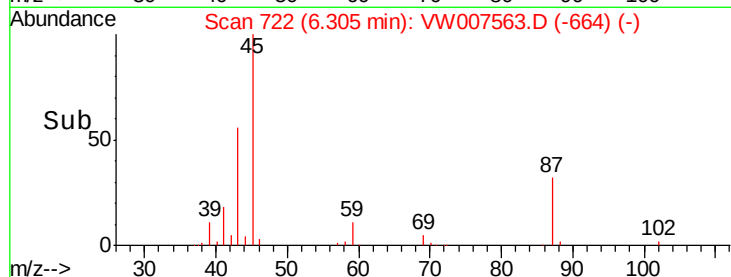
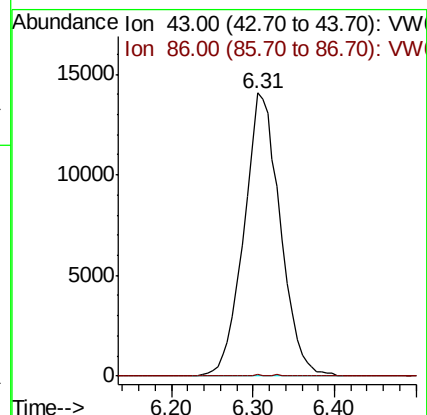
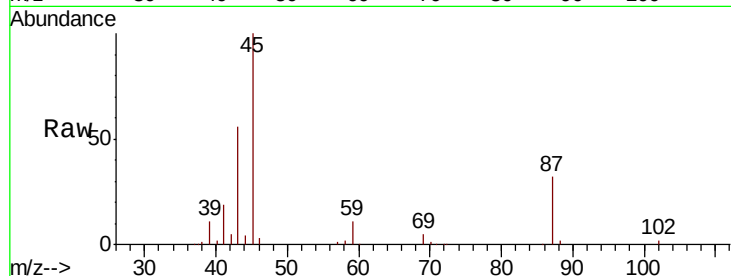
P001-SS015-0612-01MS

Tgt Ion: 43 Resp: 43414

Ion Ratio Lower Upper

43 100

86 0.5 8.6 12.8#



#24

1,1-Dichloroethane

Concen: 63.189 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

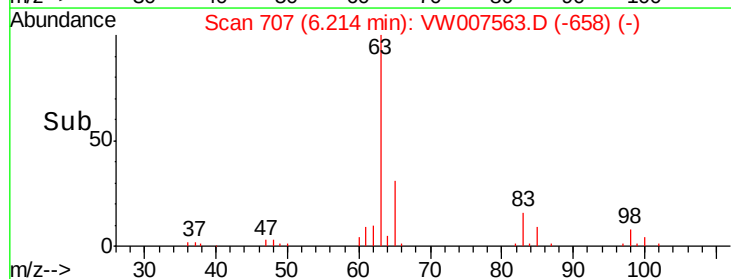
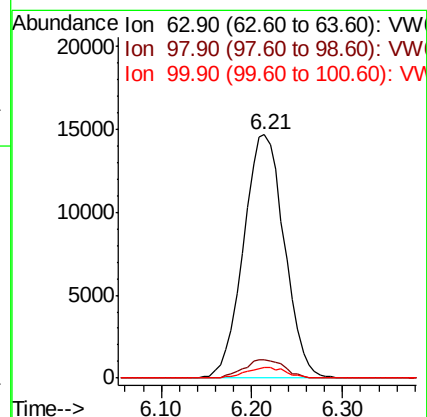
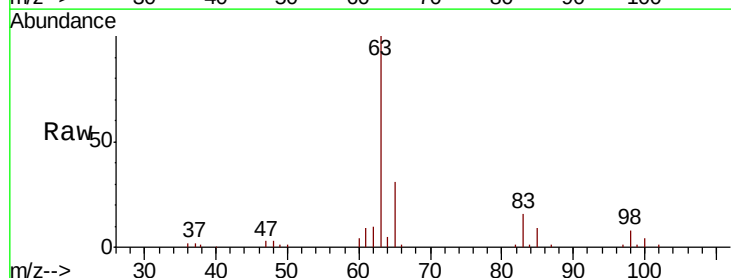
Tgt Ion: 63 Resp: 45758

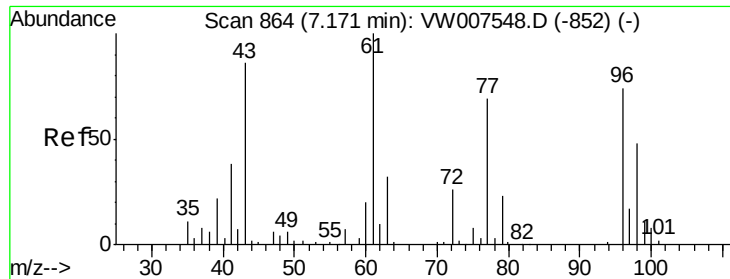
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.4 2.5 7.5

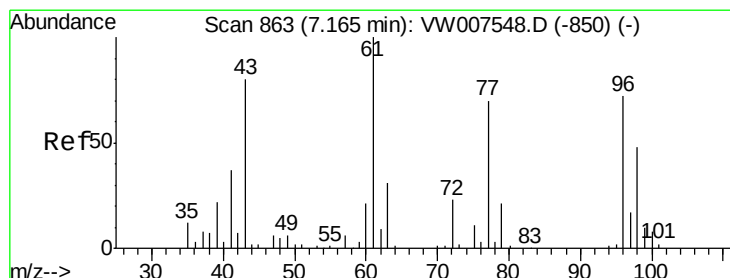
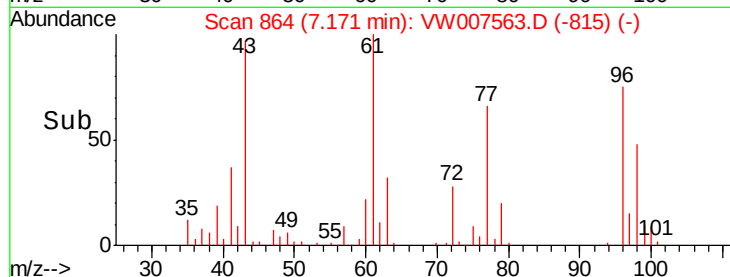
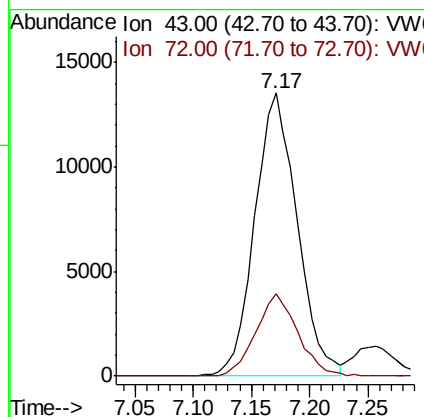
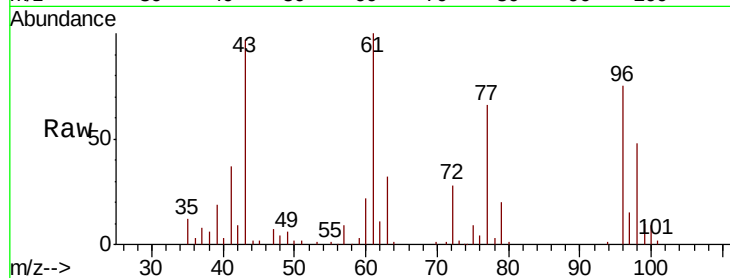




#25
 2-Butanone
 Concen: 349.714 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

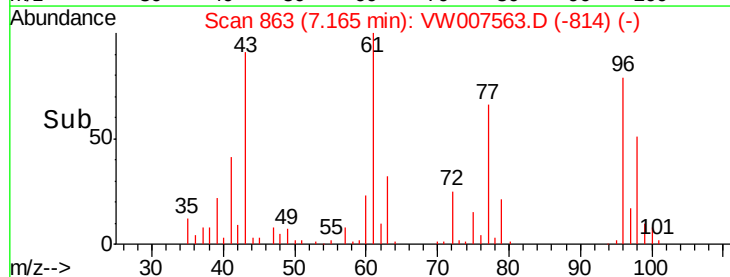
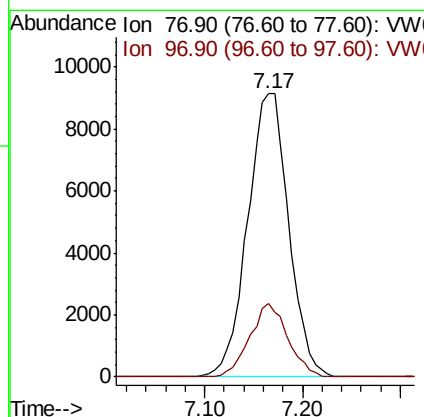
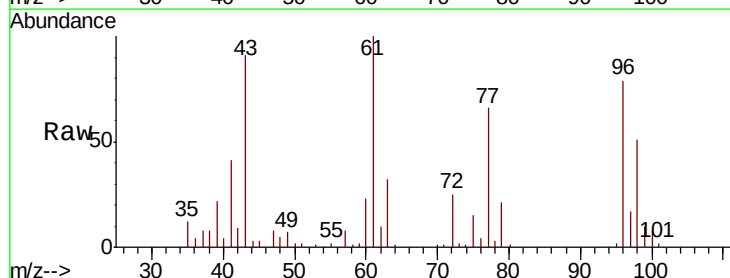
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

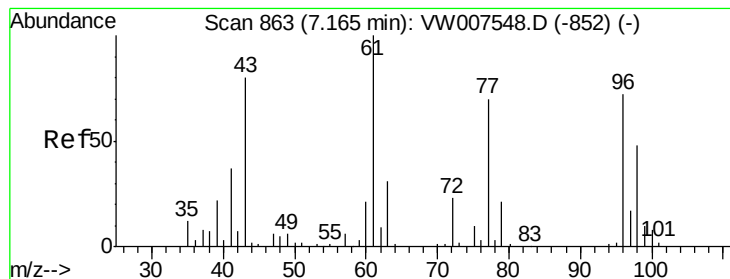
Tgt Ion: 43 Resp: 34106
 Ion Ratio Lower Upper
 43 100
 72 29.2 23.4 35.2



#26
 2,2-Dichloropropane
 Concen: 55.860 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion: 77 Resp: 26771
 Ion Ratio Lower Upper
 77 100
 97 23.8 11.6 34.8



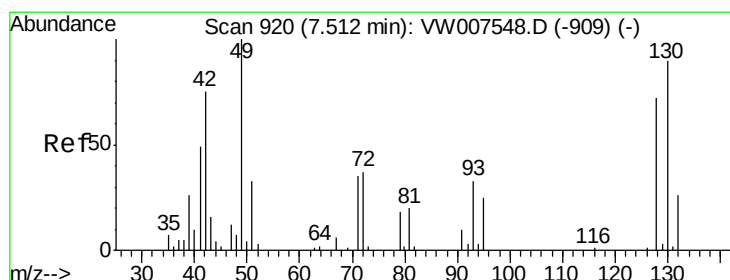
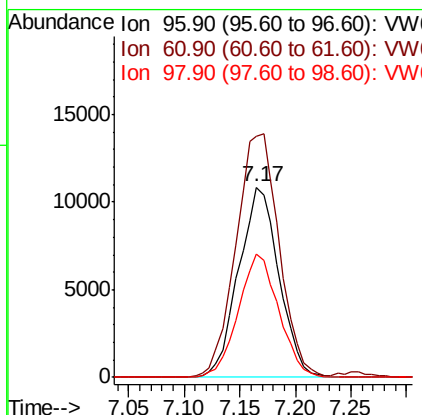
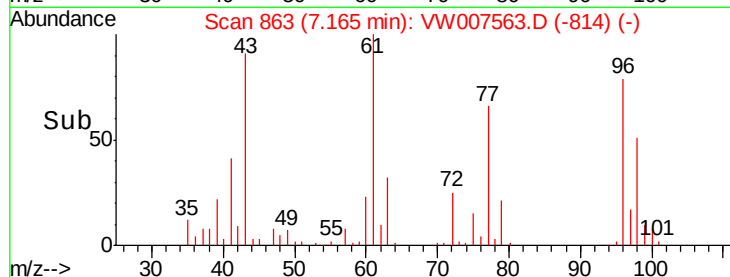
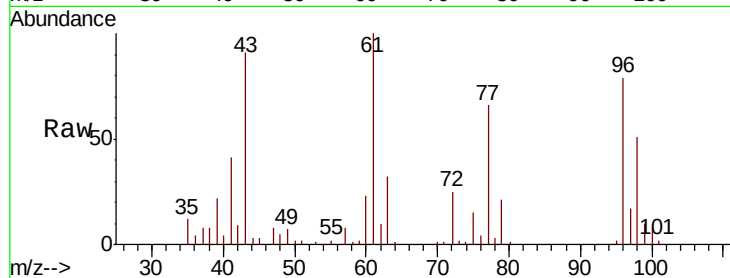


#27

cis-1,2-Dichloroethene
Concen: 58.808 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

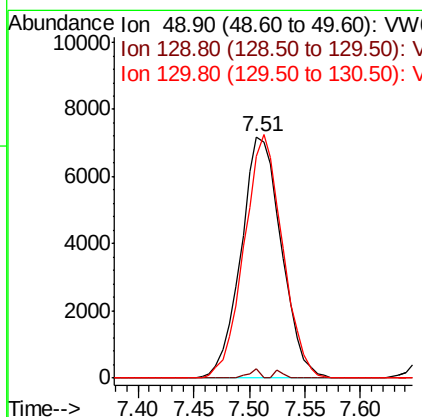
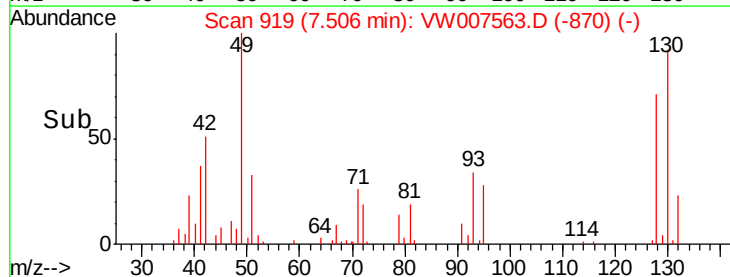
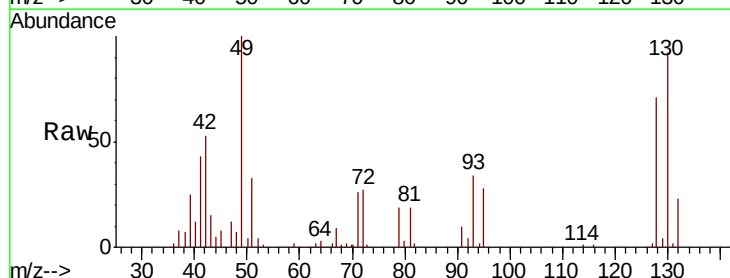
Tgt Ion: 96 Resp: 27240
Ion Ratio Lower Upper
96 100
61 137.9 0.0 268.4
98 64.8 0.0 127.8

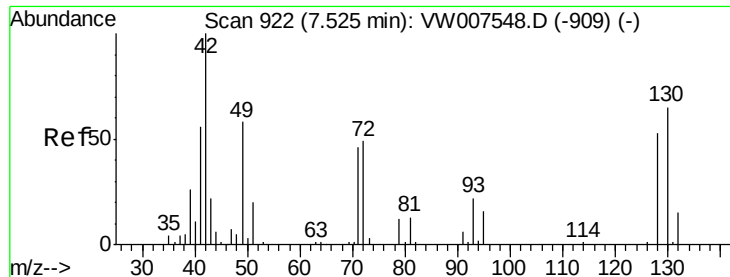


#28

Bromochloromethane
Concen: 66.597 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 49 Resp: 18140
Ion Ratio Lower Upper
49 100
129 0.9 0.0 2.6
130 95.9 75.9 113.9





#29

Tetrahydrofuran

Concen: 424.506 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

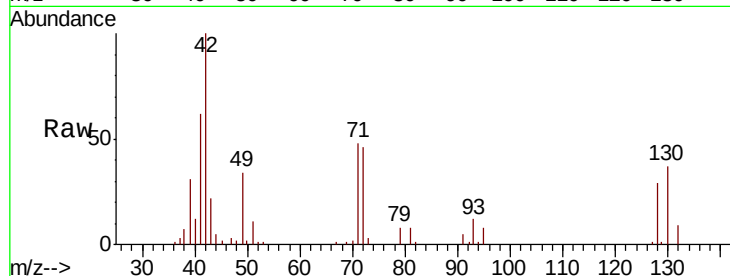
Tgt Ion: 42 Resp: 26209

Ion Ratio Lower Upper

42 100

72 50.7 38.2 57.4

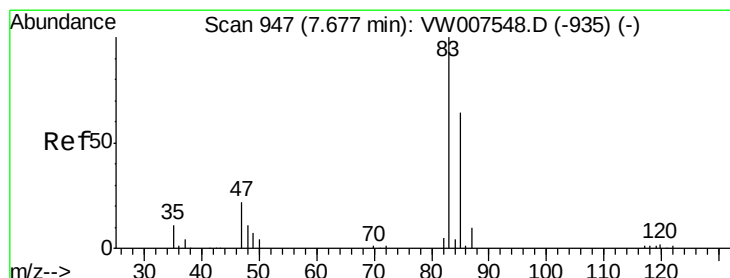
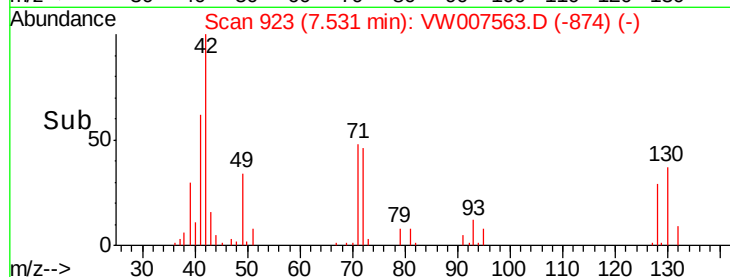
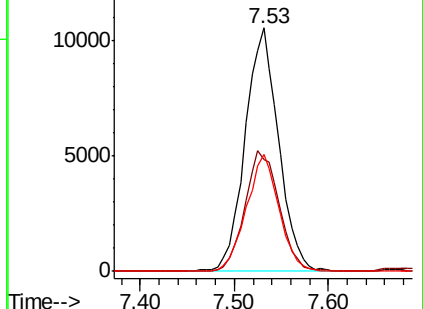
71 46.9 35.5 53.3



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 62.255 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007563.D

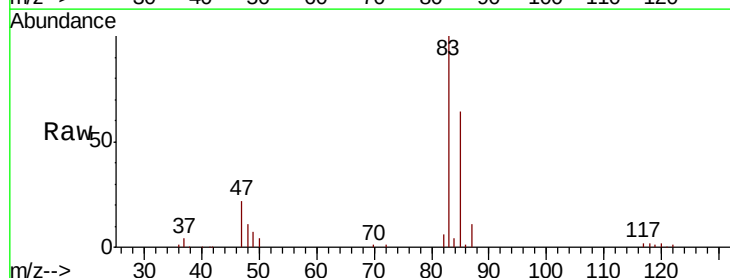
Acq: 15 Dec 2018 05:23

Tgt Ion: 83 Resp: 49060

Ion Ratio Lower Upper

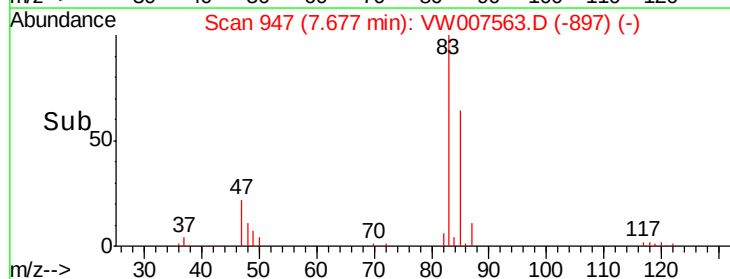
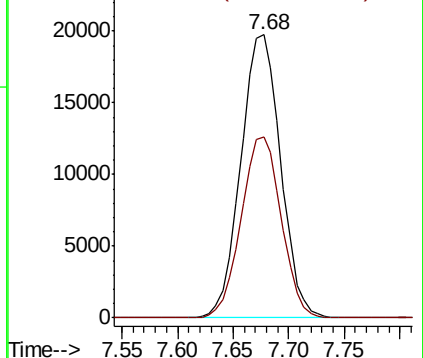
83 100

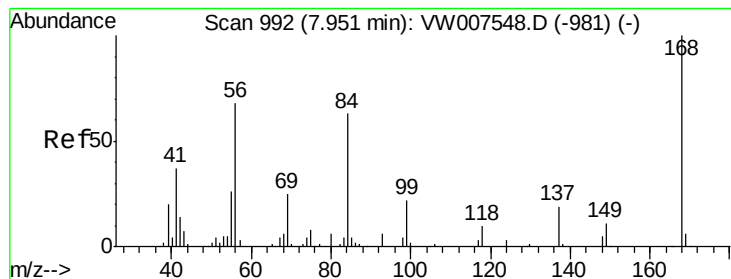
85 63.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 24.007 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

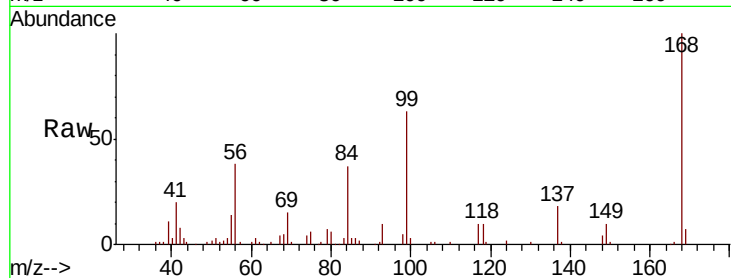
Tgt Ion: 56 Resp: 15950

Ion Ratio Lower Upper

56 100

69 37.9 28.9 43.3

84 93.3 71.8 107.6

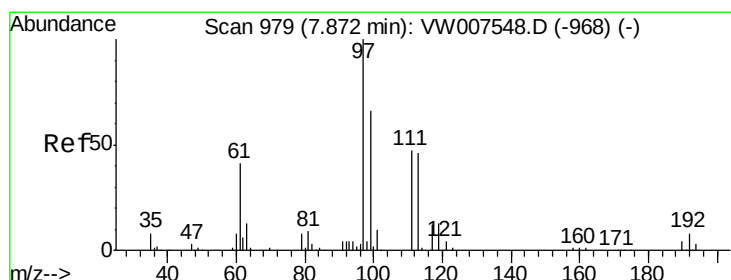
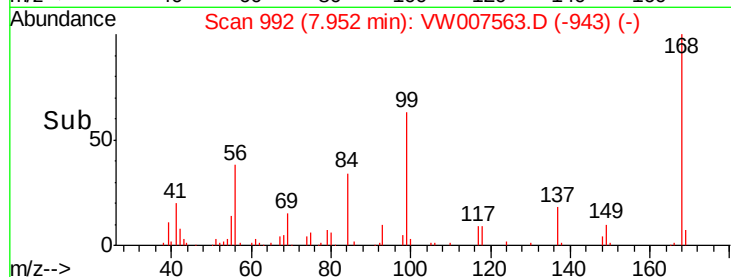
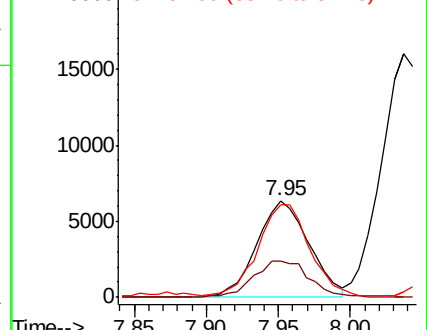


Abundance

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: 51.855 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

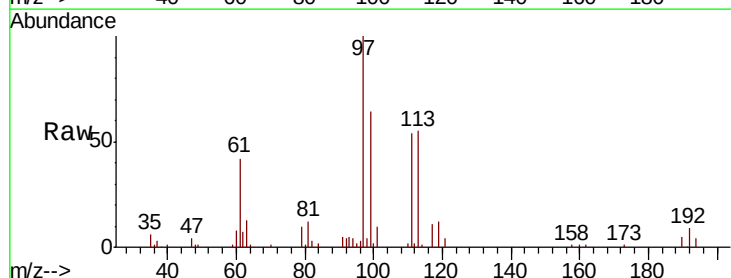
Tgt Ion: 97 Resp: 35835

Ion Ratio Lower Upper

97 100

99 65.3 51.1 76.7

61 42.0 33.2 49.8

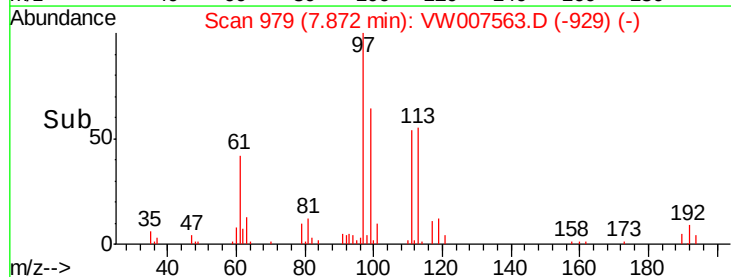
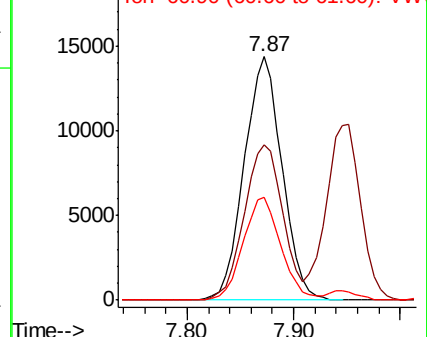


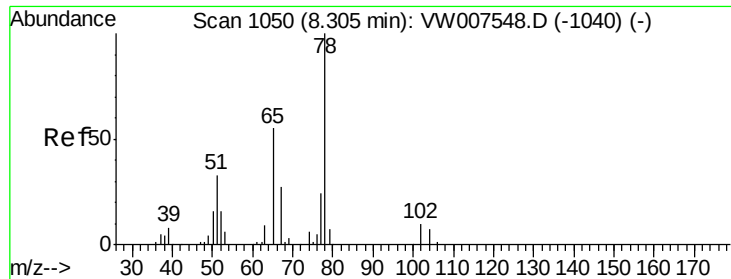
Abundance

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

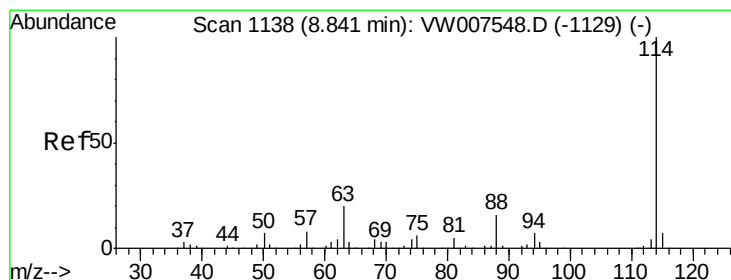
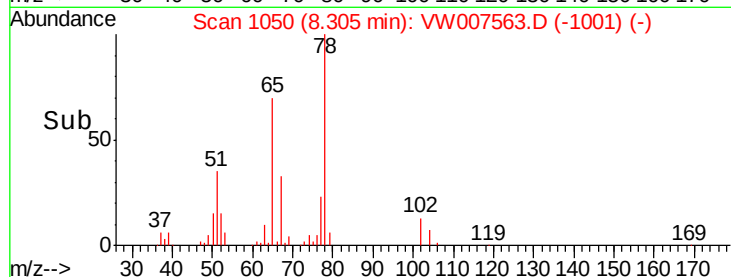
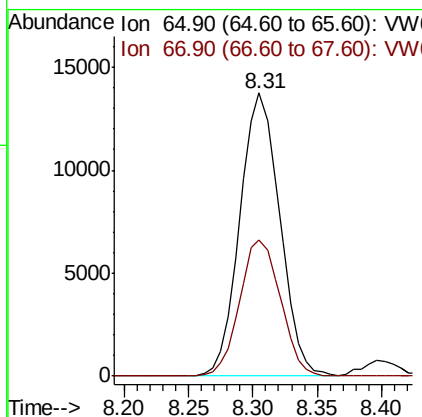
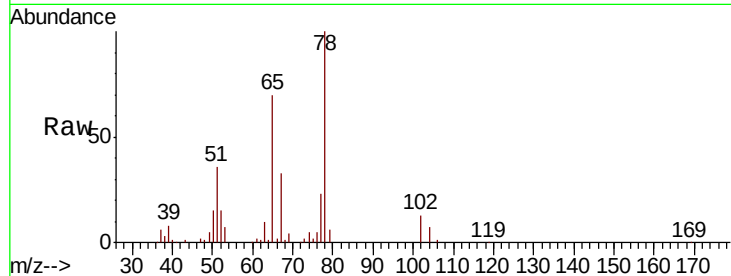




#33
 1,2-Dichloroethane-d4
 Concen: 69.194 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

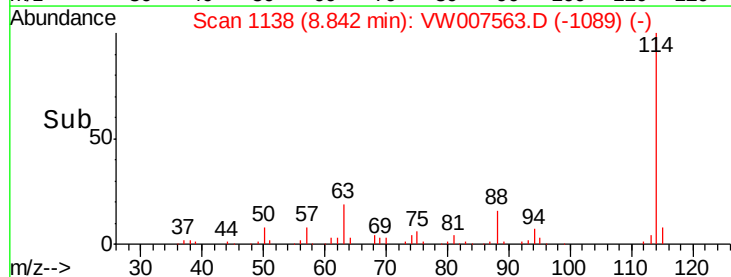
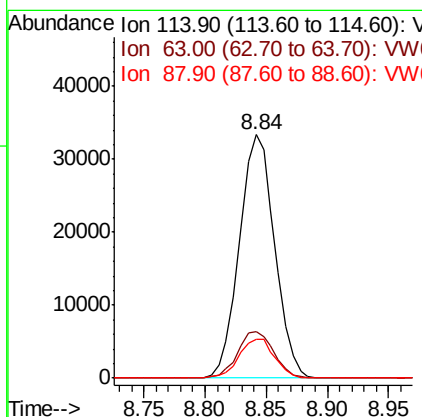
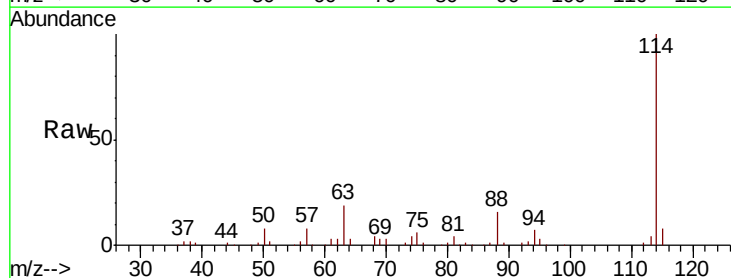
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

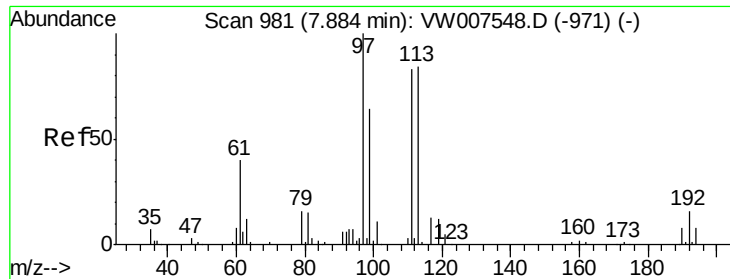
Tgt Ion: 65 Resp: 29593
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion: 114 Resp: 66687
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 59.475 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

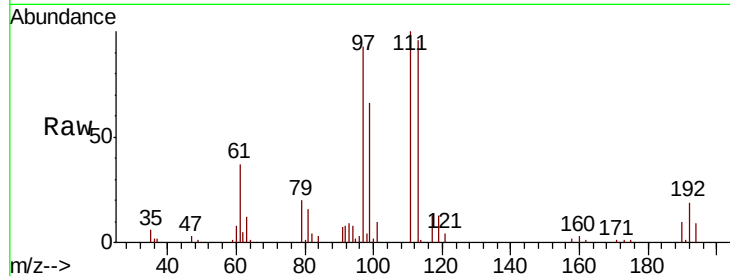
Tgt Ion: 113 Resp: 24009

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

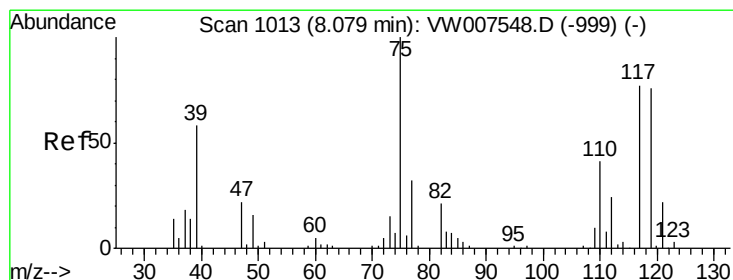
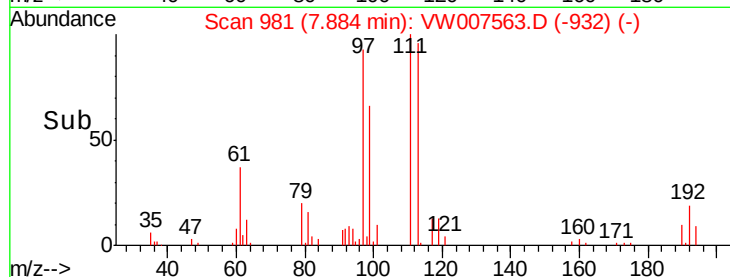
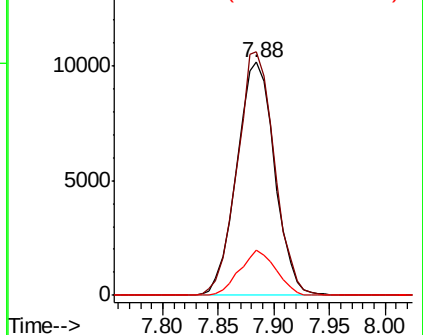
192 18.6 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 40.890 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

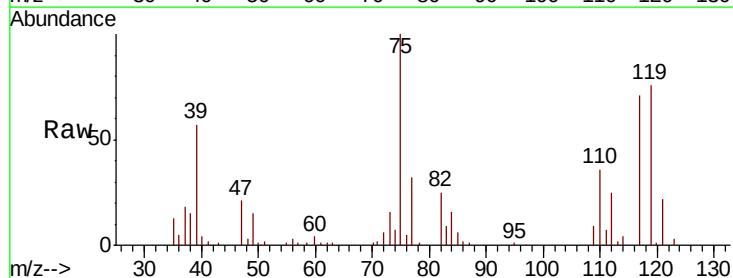
Tgt Ion: 75 Resp: 24875

Ion Ratio Lower Upper

75 100

110 36.9 18.5 55.5

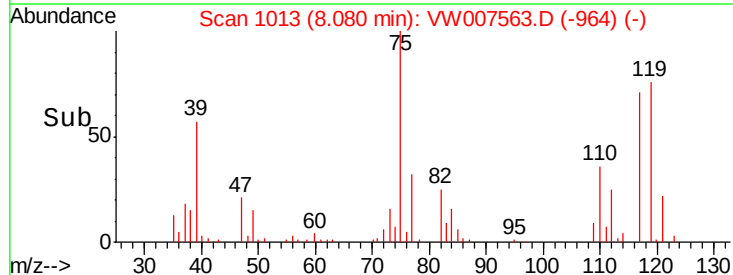
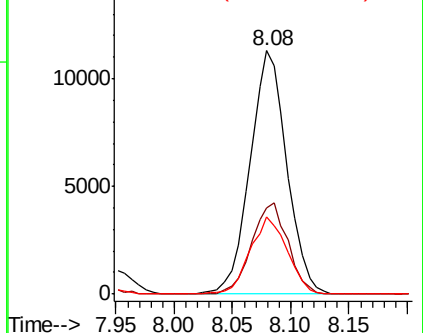
77 32.0 25.6 38.4

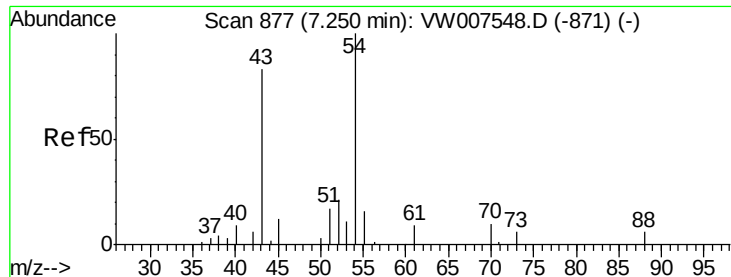


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

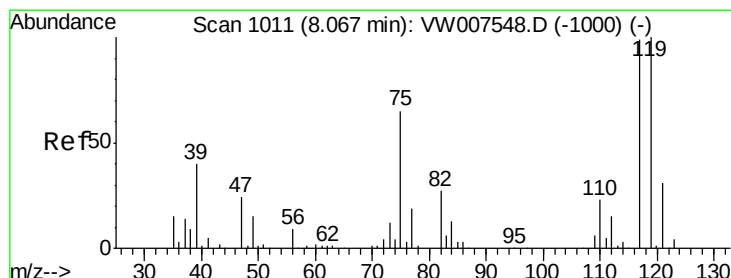
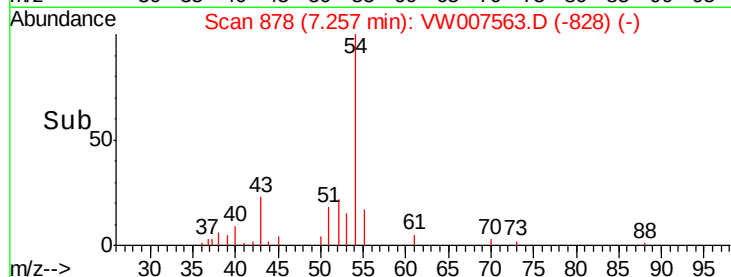
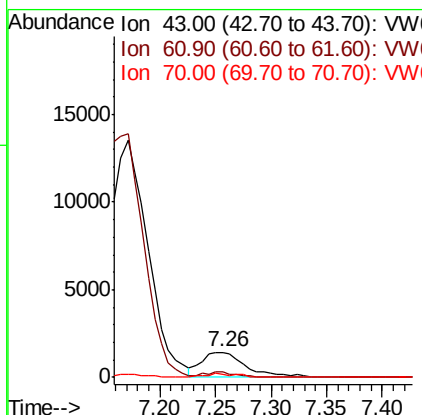
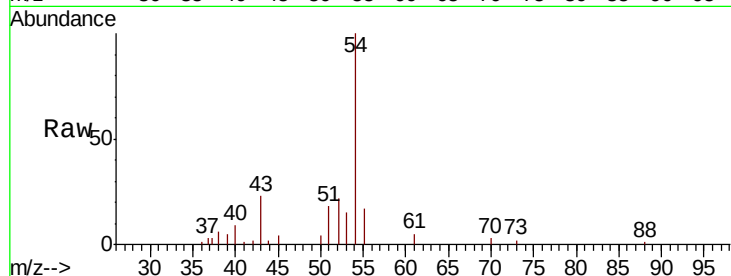




#37
Ethyl Acetate
Concen: 17.643 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

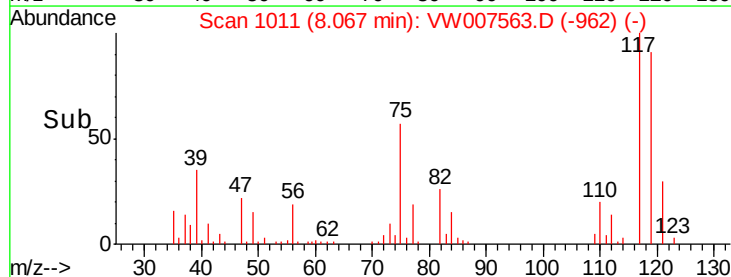
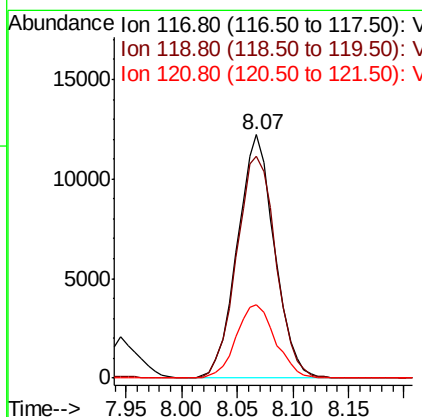
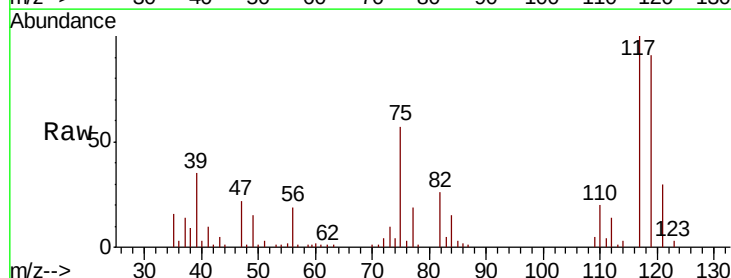
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

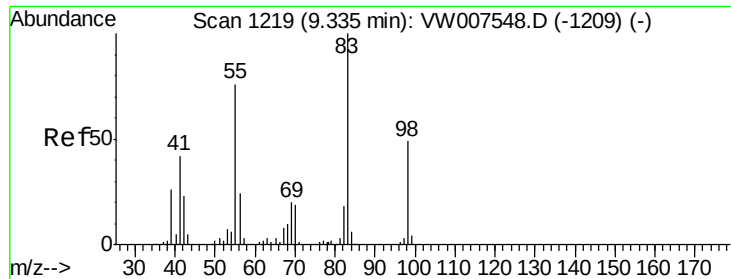
Tgt Ion: 43 Resp: 3992
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 10.5 10.0 15.0



#38
Carbon Tetrachloride
Concen: 42.872 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 117 Resp: 28378
Ion Ratio Lower Upper
117 100
119 91.4 74.3 111.5
121 29.9 24.3 36.5

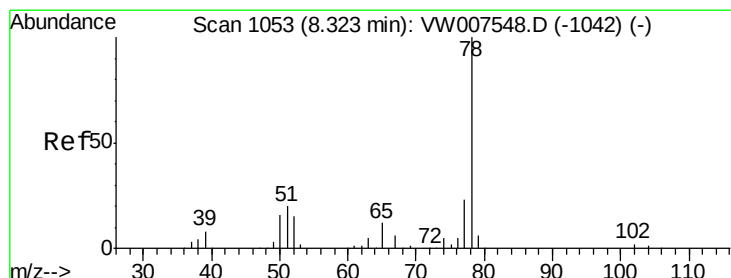
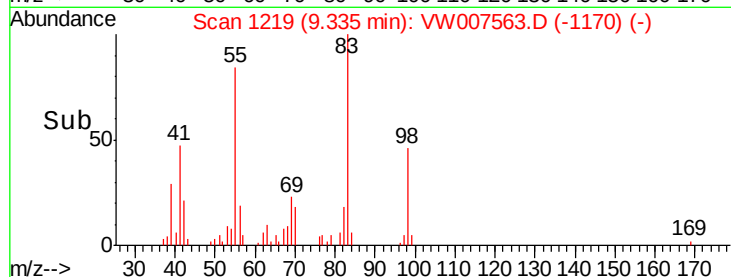
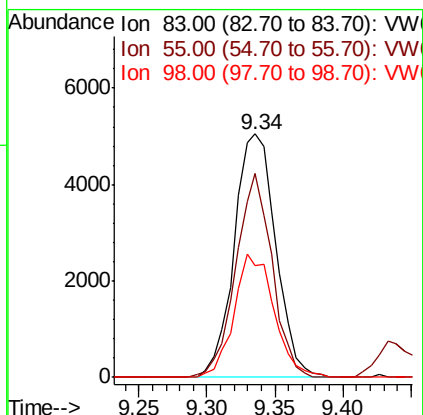
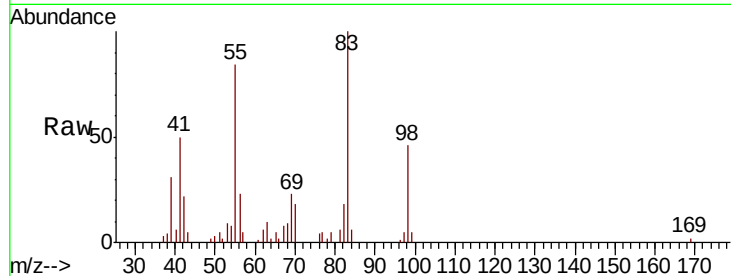




#39
Methylcyclohexane
Concen: 14.577 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

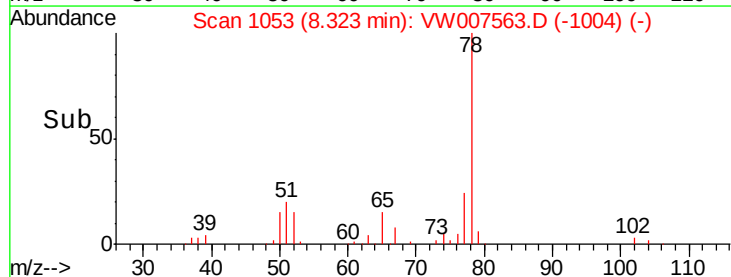
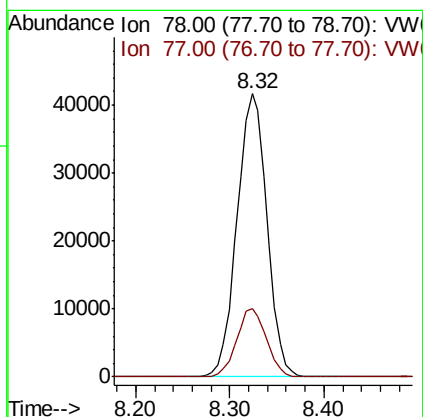
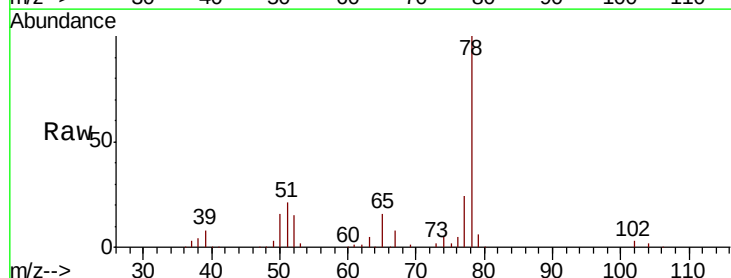
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

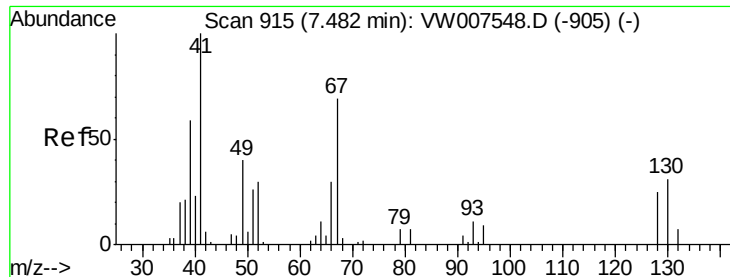
Tgt Ion: 83 Resp: 10738
Ion Ratio Lower Upper
83 100
55 83.8 62.8 94.2
98 45.8 42.2 63.2



#40
Benzene
Concen: 54.595 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 78 Resp: 92171
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

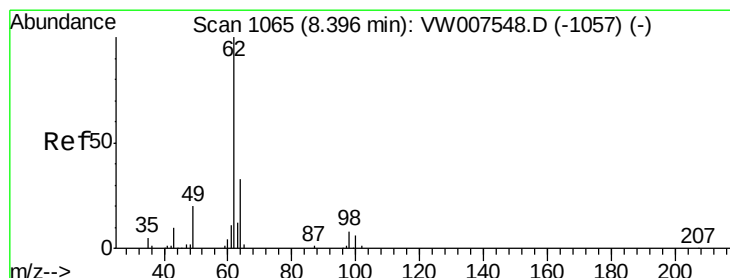
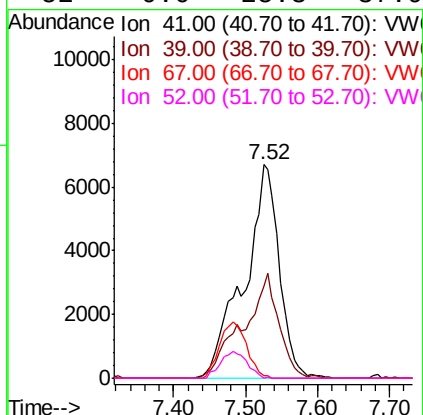
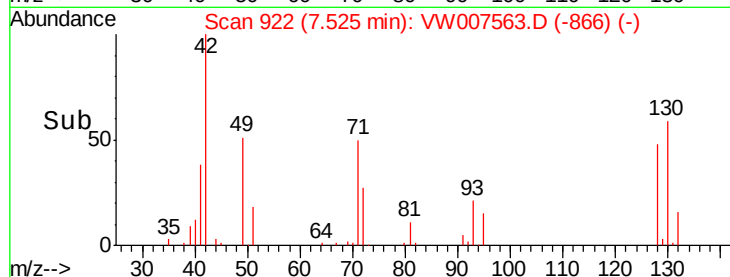
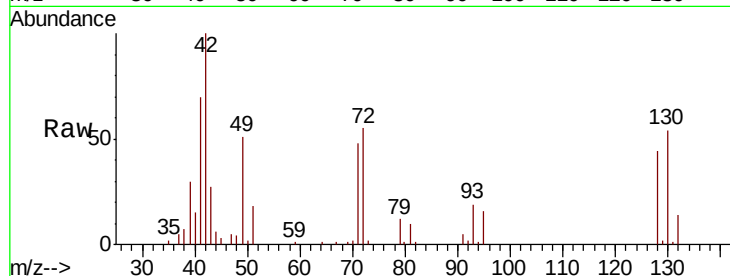




#41
Methacrylonitrile
Concen: 177.008 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

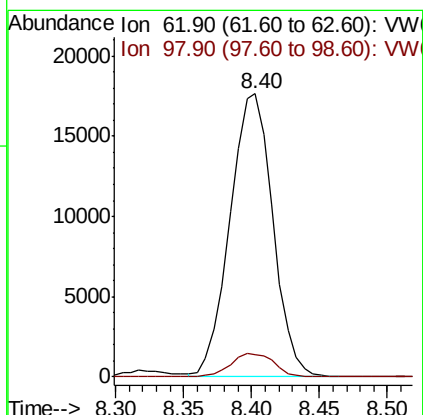
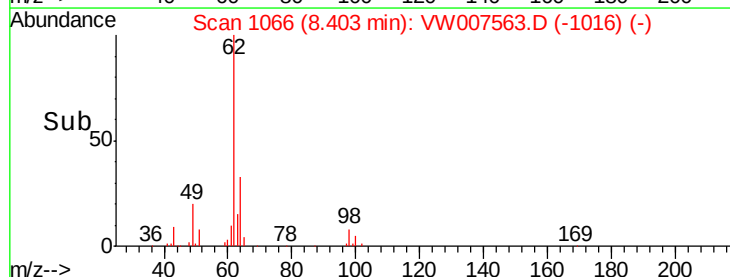
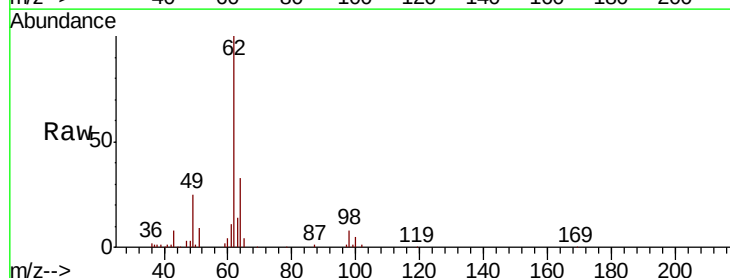
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

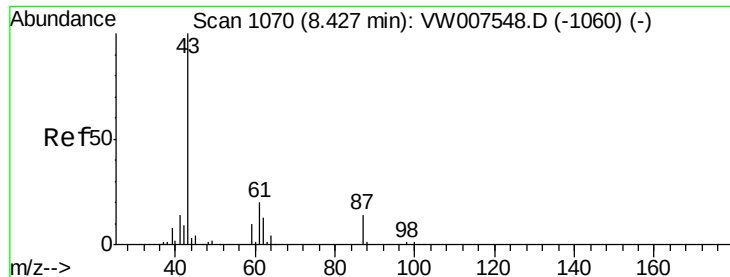
Tgt Ion: 41 Resp: 22807
Ion Ratio Lower Upper
41 100
39 50.6 52.2 78.2#
67 0.0 60.5 90.7#
52 0.0 25.3 37.9#



#42
1,2-Dichloroethane
Concen: 73.194 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 62 Resp: 38817
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.6





#43

Isopropyl Acetate

Concen: 31.304 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

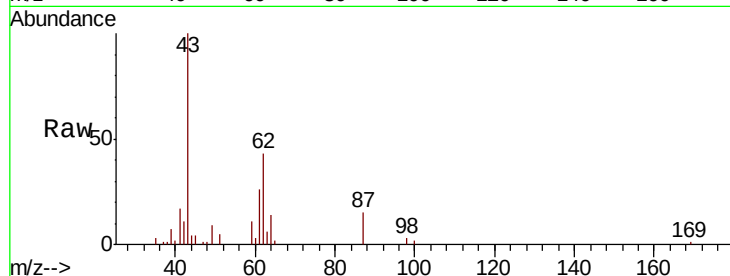
Tgt Ion: 43 Resp: 13991

Ion Ratio Lower Upper

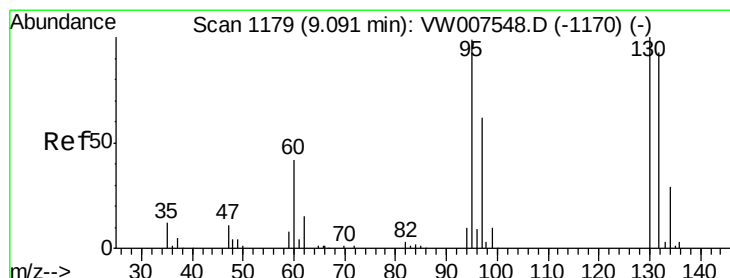
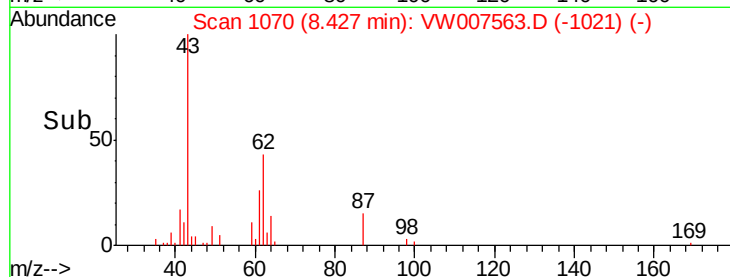
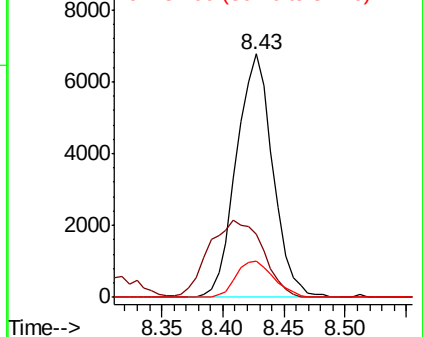
43 100

61 47.2 25.3 37.9#

87 15.4 11.8 17.8



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: 42.927 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007563.D

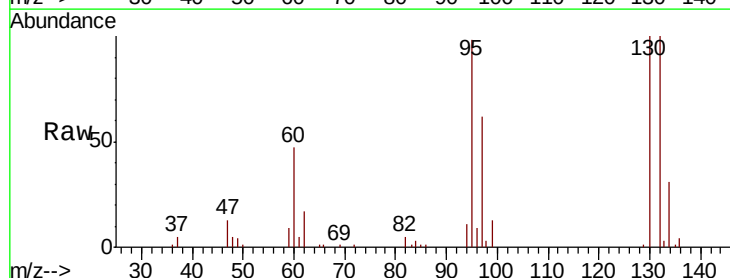
Acq: 15 Dec 2018 05:23

Tgt Ion: 130 Resp: 20695

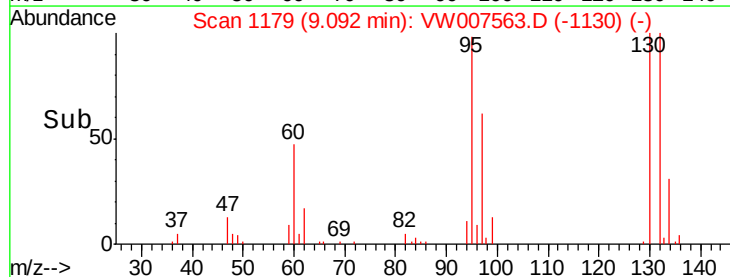
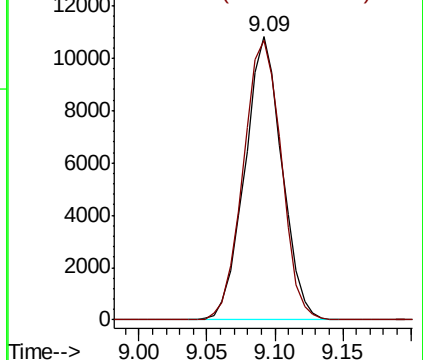
Ion Ratio Lower Upper

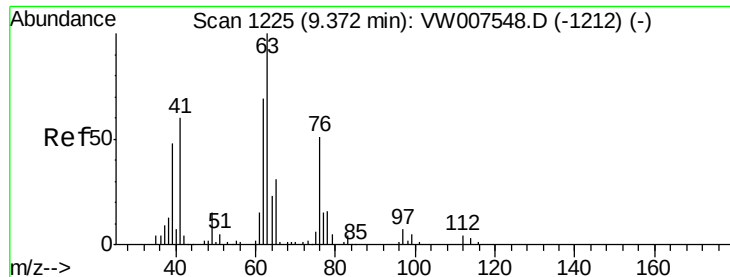
130 100

95 98.7 0.0 193.2



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

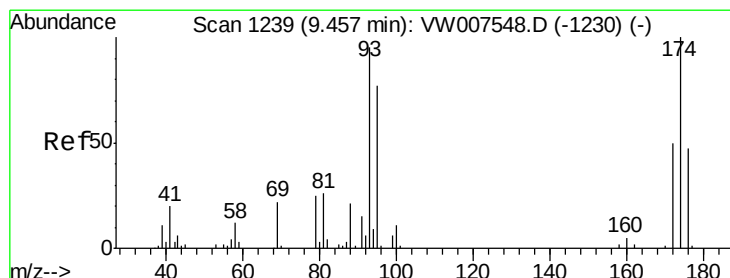
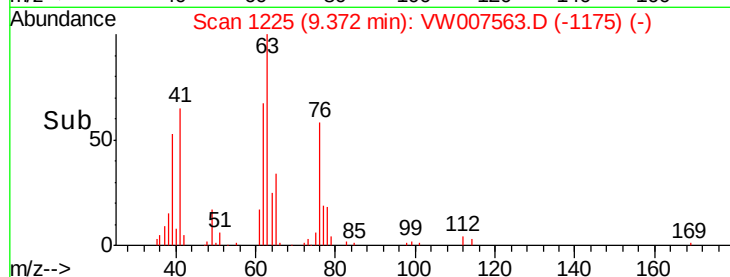
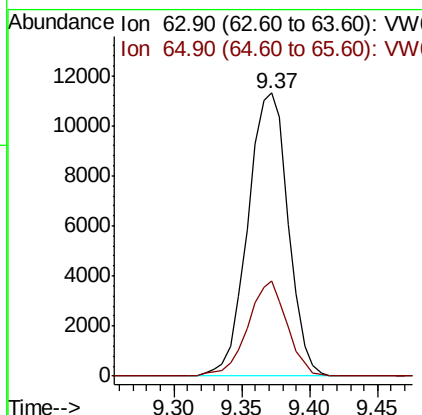
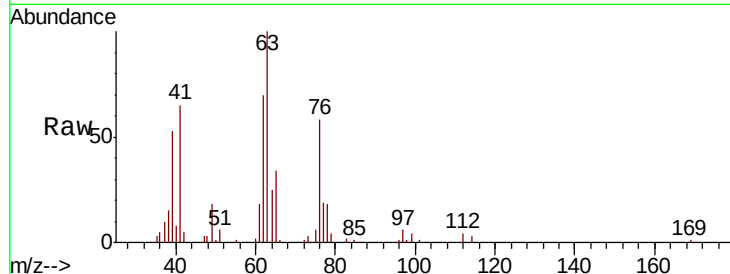




#45
 1,2-Dichloropropane
 Concen: 60.046 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

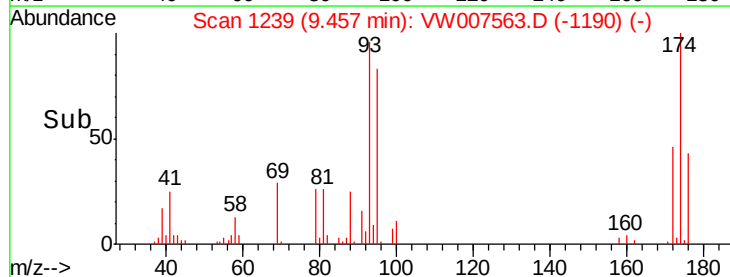
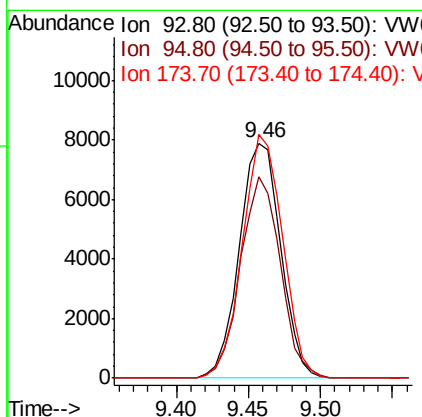
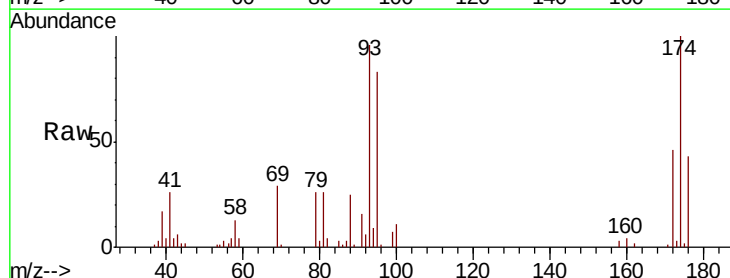
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

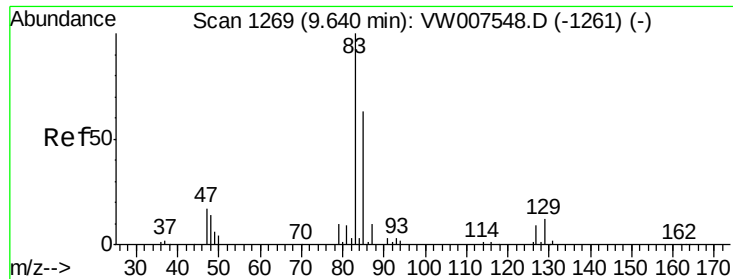
Tgt Ion: 63 Resp: 23459
 Ion Ratio Lower Upper
 63 100
 65 33.6 24.4 36.6



#46
 Dibromomethane
 Concen: 70.742 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion: 93 Resp: 15695
 Ion Ratio Lower Upper
 93 100
 95 82.6 68.0 102.0
 174 100.9 83.2 124.8

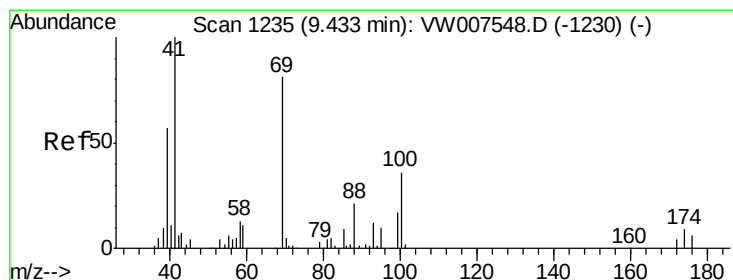
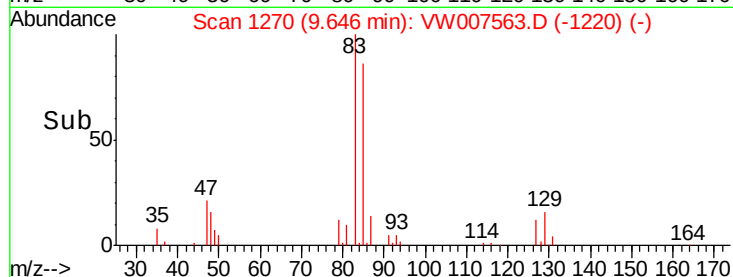
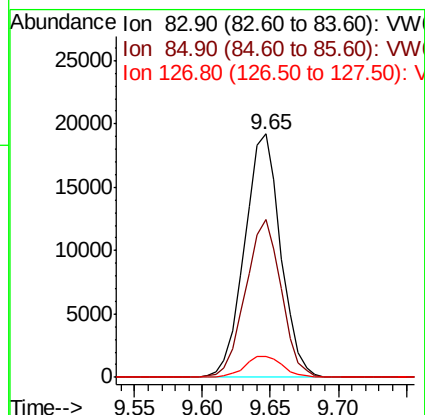
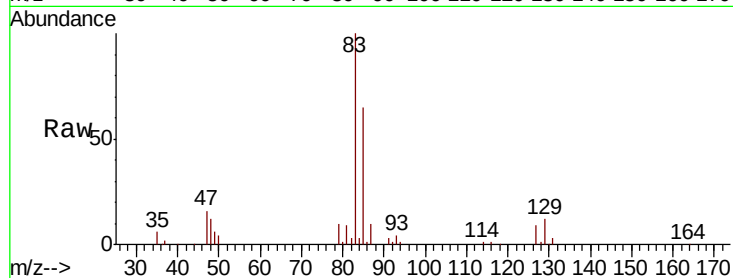




#47
Bromodichloromethane
Concen: 61.256 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

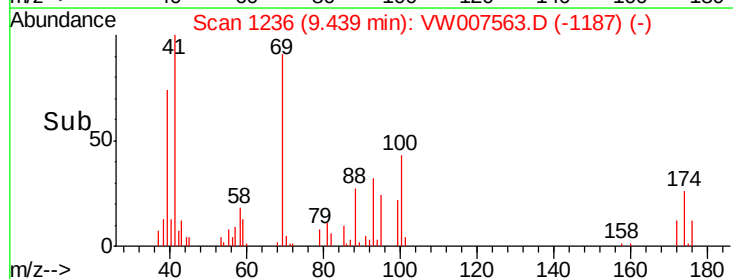
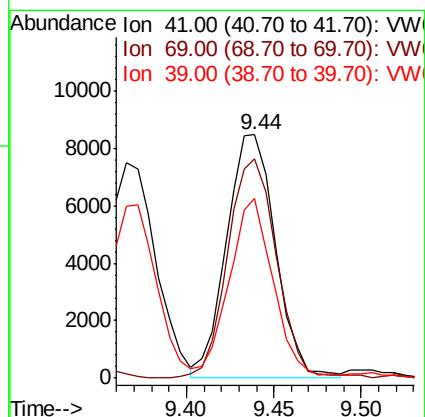
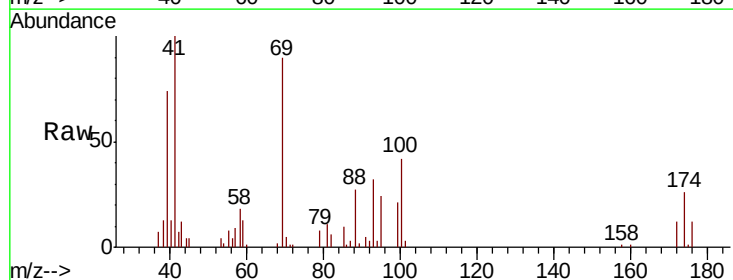
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

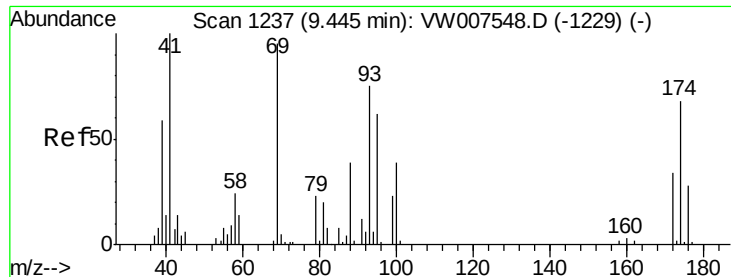
Tgt Ion: 83 Resp: 35648
Ion Ratio Lower Upper
83 100
85 64.7 47.6 71.4
127 8.8 6.7 10.1



#48
Methyl methacrylate
Concen: 72.040 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 41 Resp: 16536
Ion Ratio Lower Upper
41 100
69 89.8 69.8 104.8
39 66.6 50.9 76.3





#49

1,4-Dioxane

Concen: 1560.889 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

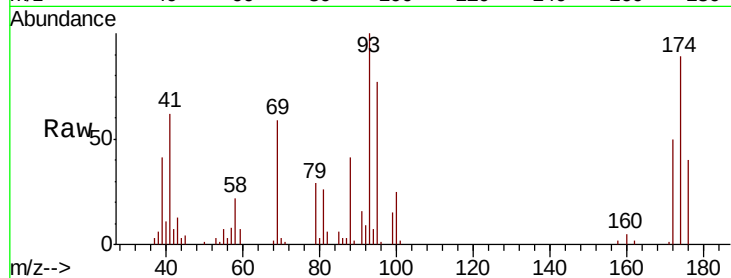
Tgt Ion: 88 Resp: 5619

Ion Ratio Lower Upper

88 100

43 36.9 25.0 37.4

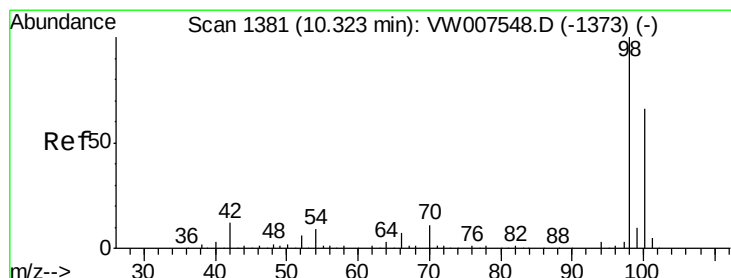
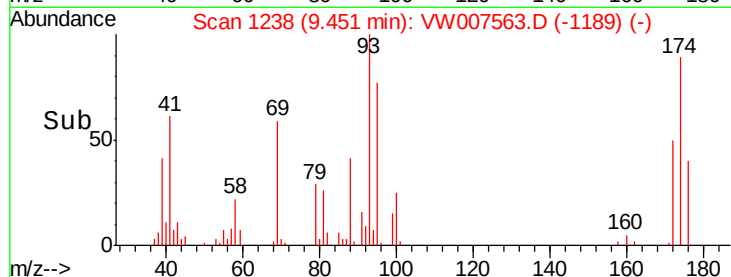
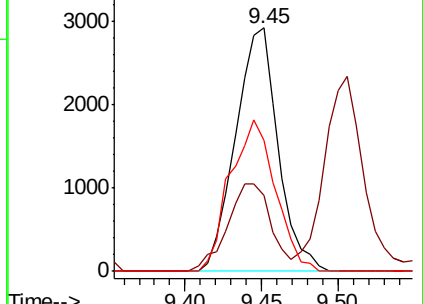
58 66.1 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 42.997 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007563.D

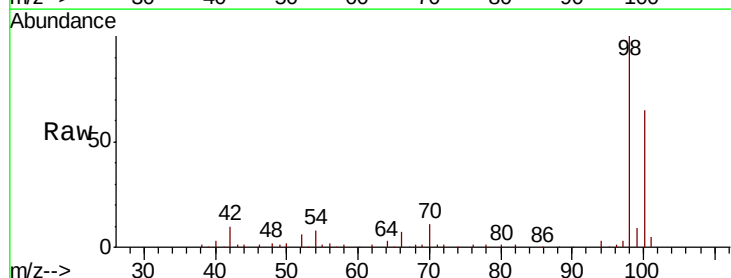
Acq: 15 Dec 2018 05:23

Tgt Ion: 98 Resp: 65079

Ion Ratio Lower Upper

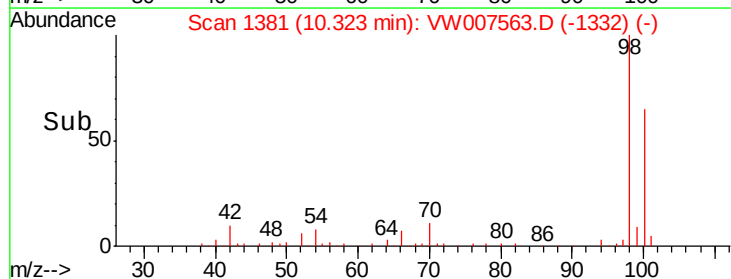
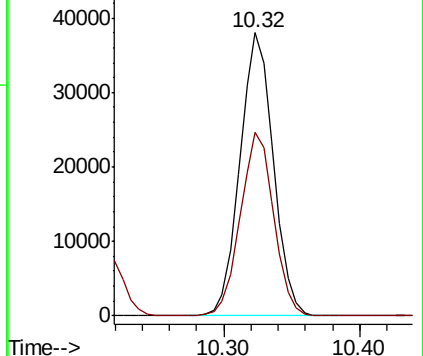
98 100

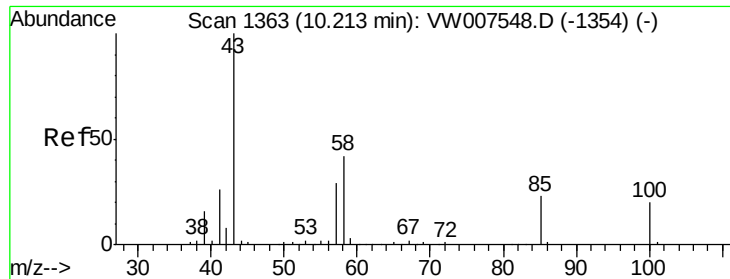
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 390.284 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

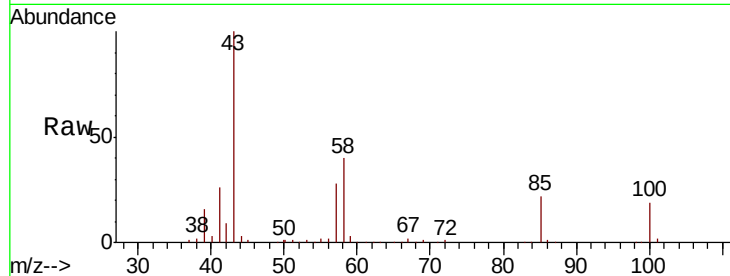
P001-SS015-0612-01MS

Tgt Ion: 43 Resp: 82420

Ion Ratio Lower Upper

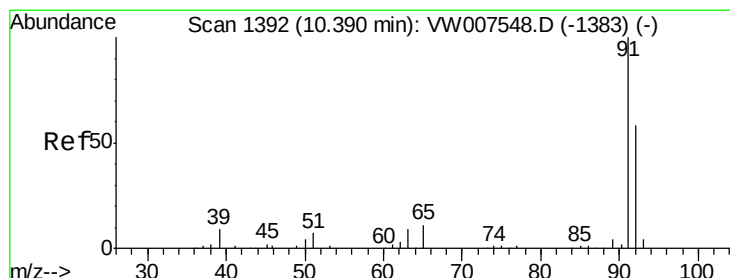
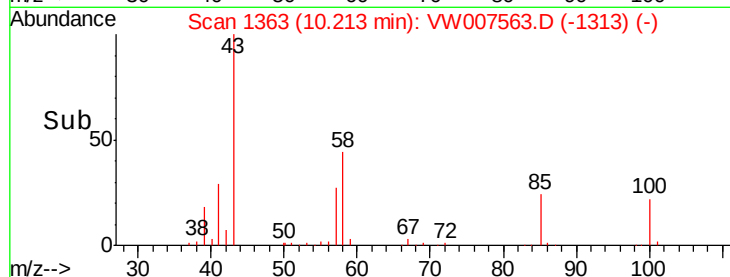
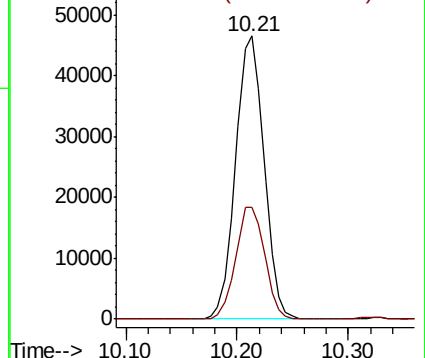
43 100

58 40.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 45.823 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007563.D

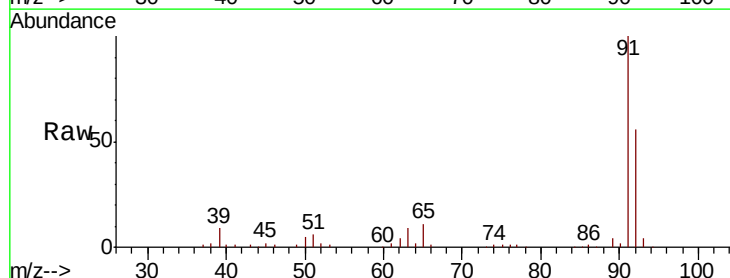
Acq: 15 Dec 2018 05:23

Tgt Ion: 92 Resp: 50064

Ion Ratio Lower Upper

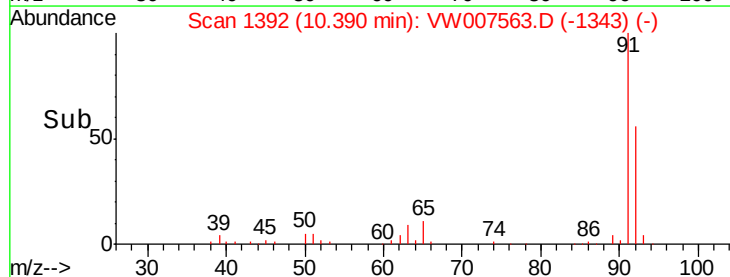
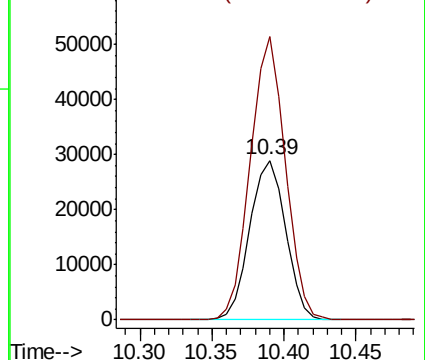
92 100

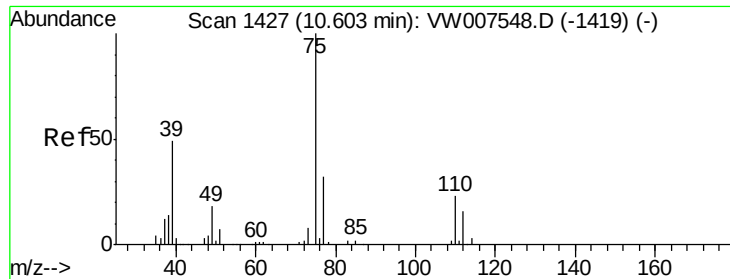
91 172.8 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 57.010 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

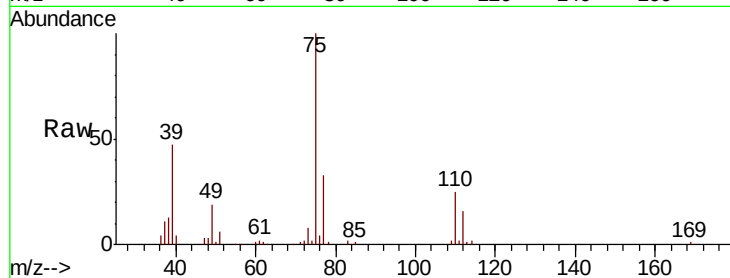
P001-SS015-0612-01MS

Tgt Ion: 75 Resp: 32209

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

20000

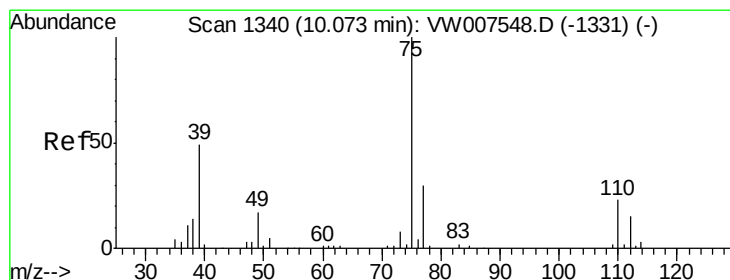
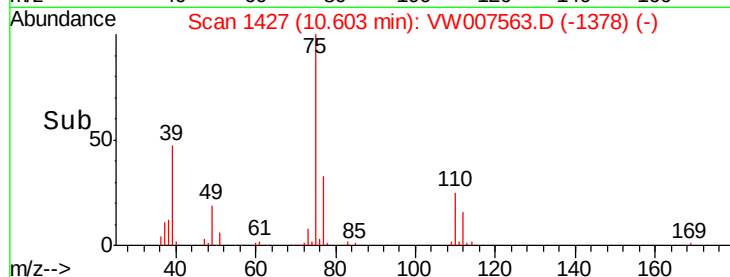
15000

10000

5000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.284 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

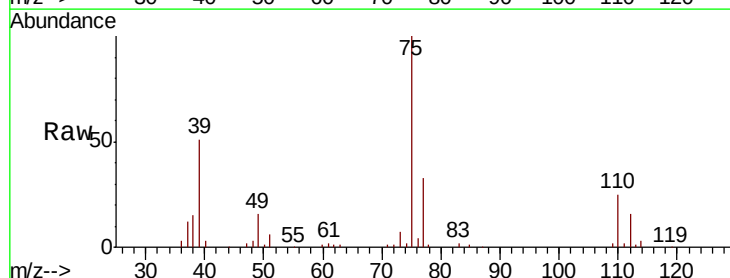
Tgt Ion: 75 Resp: 35454

Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

39 51.0 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

25000

20000

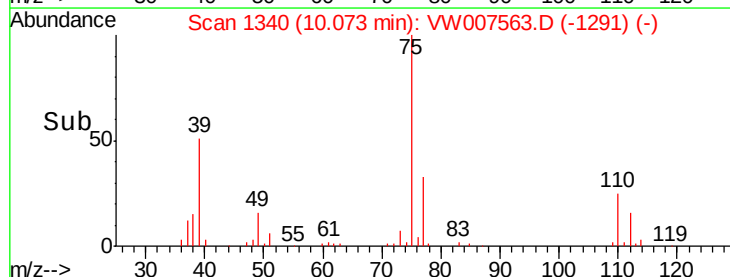
15000

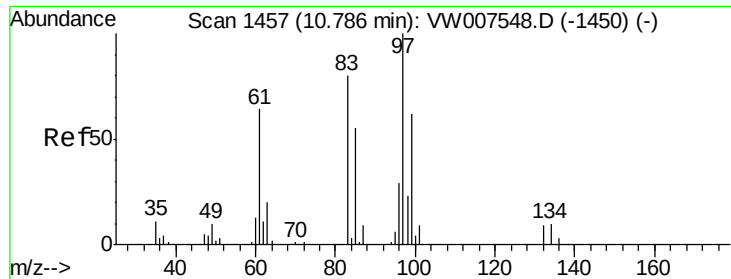
10000

5000

0

Time-->

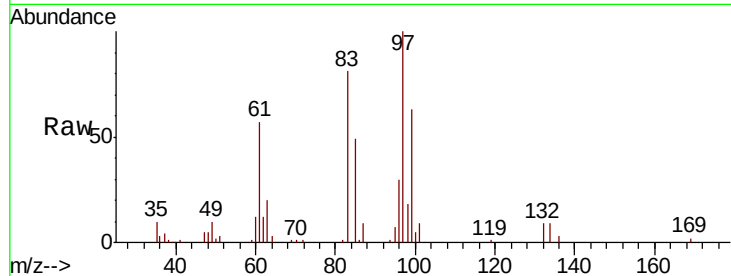




#55
 1,1,2-Trichloroethane
 Concen: 69.076 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

Tgt Ion:	97	Resp:	20858
Ion	Ratio	Lower	Upper
97	100		
83	80.5	62.1	93.1
85	49.3	44.2	66.4
99	63.0	50.2	75.4



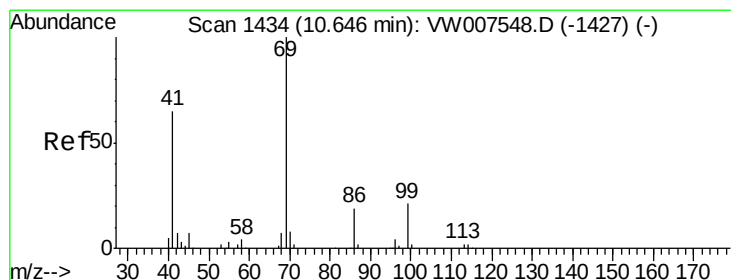
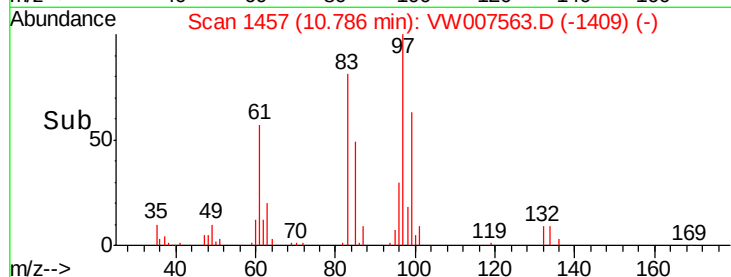
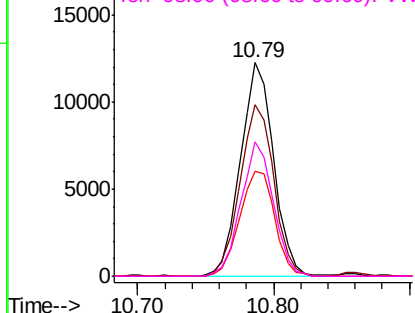
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

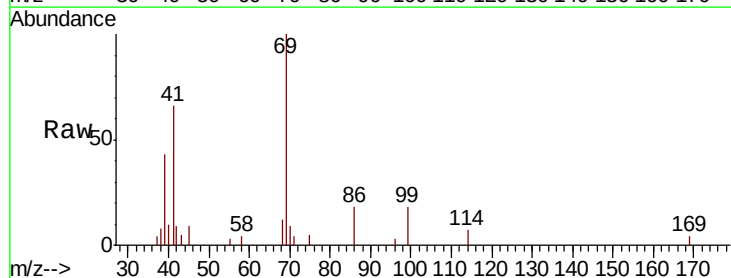
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 10.401 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion:	69	Resp:	3775
Ion	Ratio	Lower	Upper
69	100		
41	59.2	51.0	76.6
39	0.0	30.8	46.2#

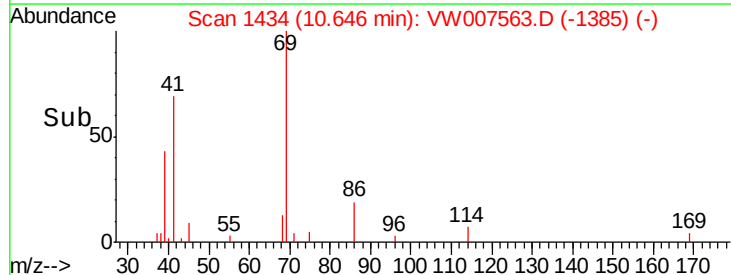
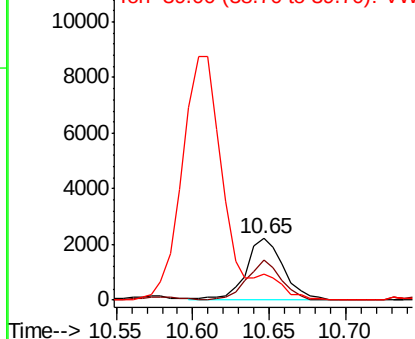


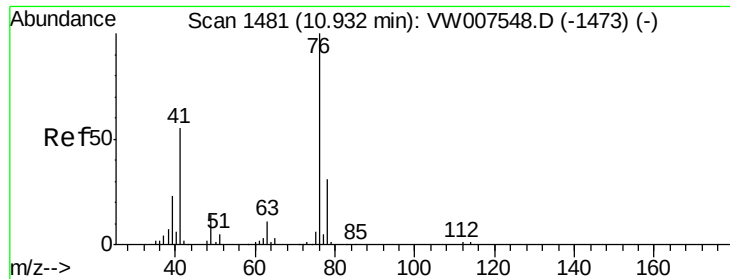
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

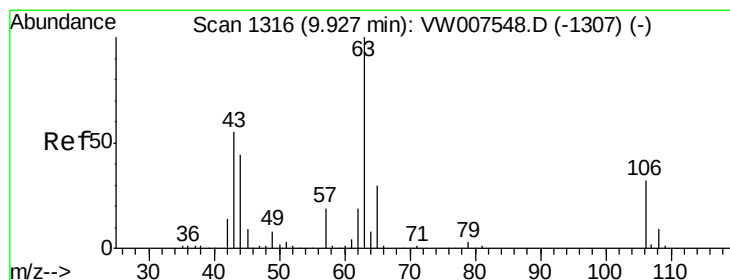
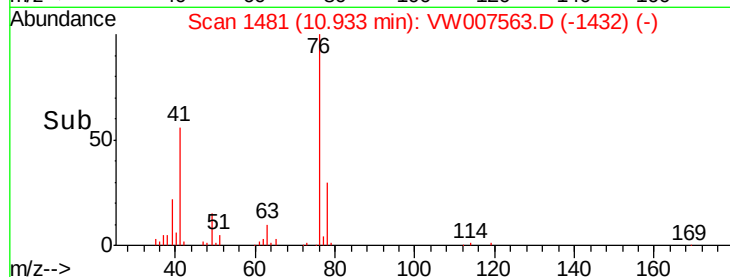
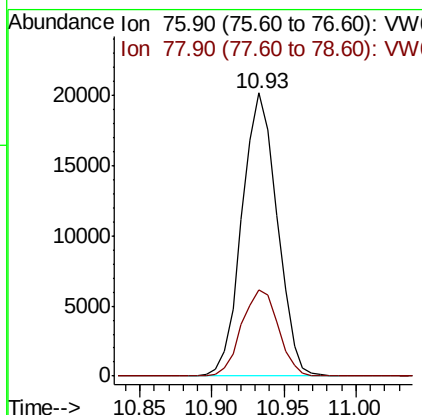
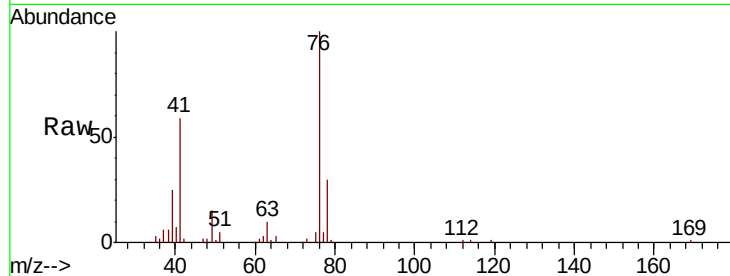




#57
 1,3-Dichloropropane
 Concen: 69.001 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

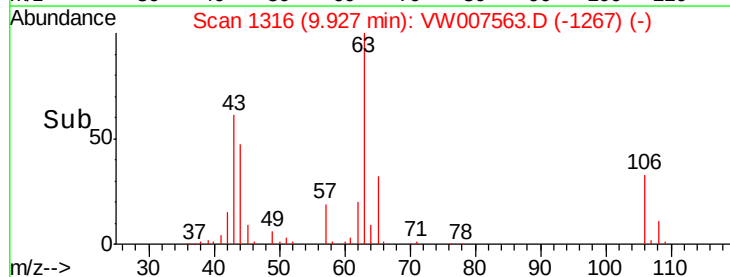
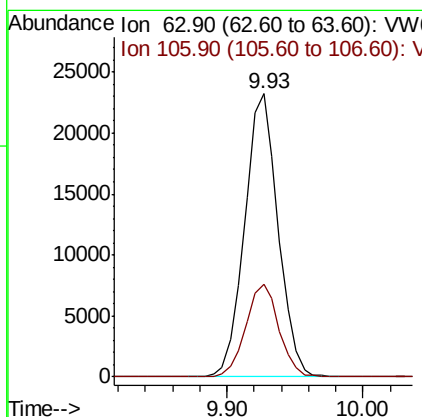
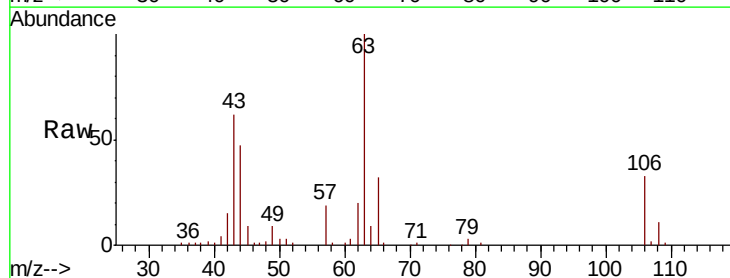
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

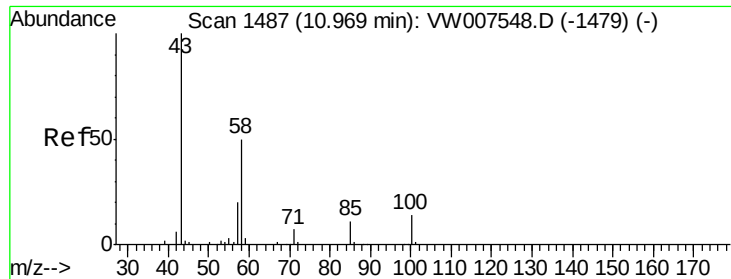
Tgt Ion: 76 Resp: 34198
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.978 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion: 63 Resp: 39830
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.0 37.6

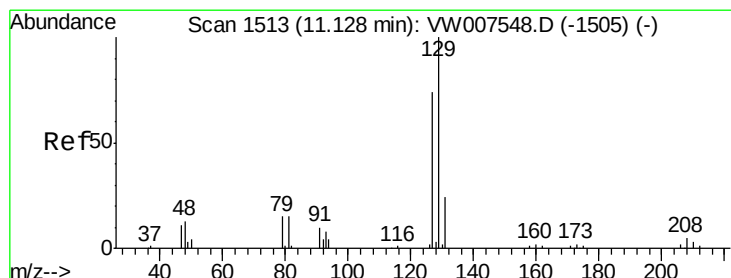
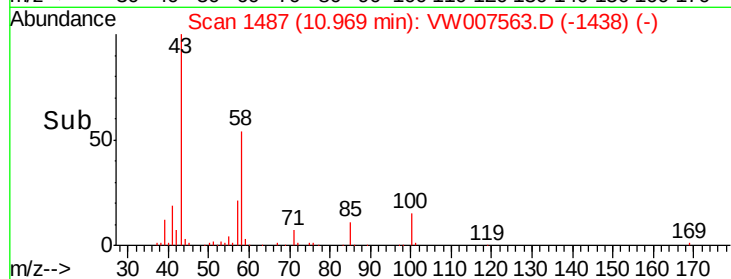
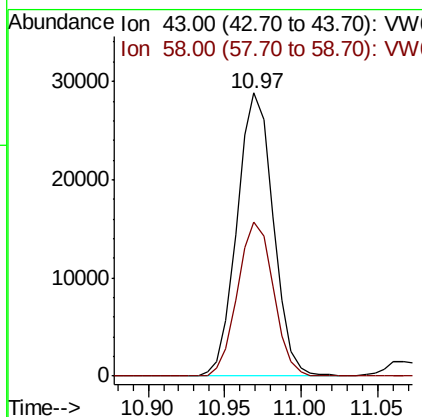
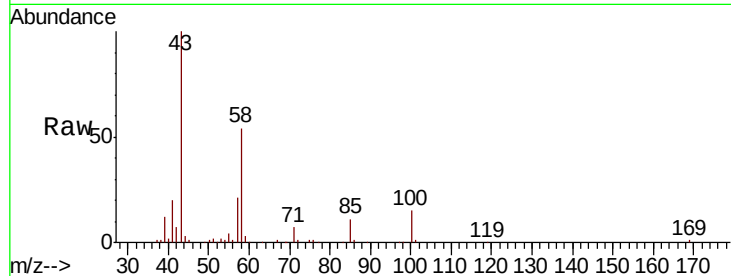




#59
2-Hexanone
Concen: 336.287 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

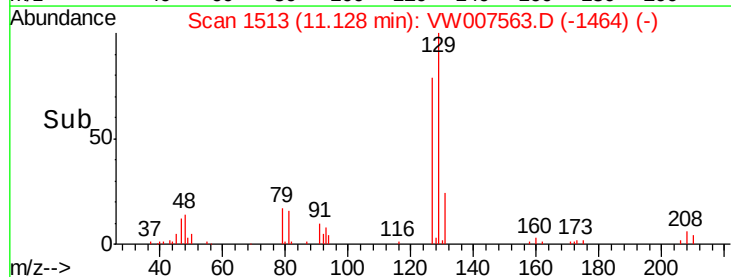
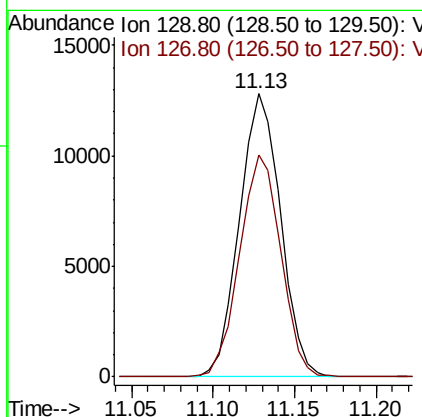
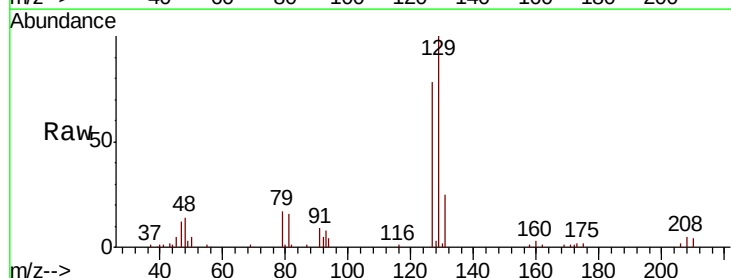
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

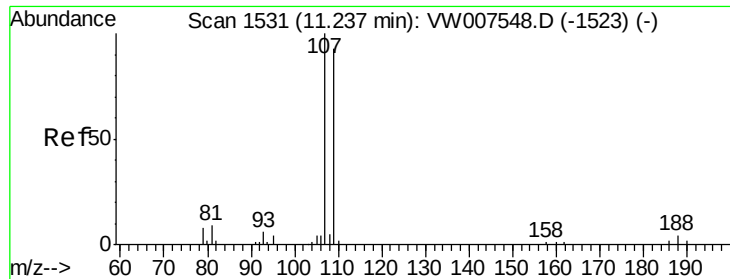
Tgt Ion: 43 Resp: 47354
Ion Ratio Lower Upper
43 100
58 54.2 27.1 81.3



#60
Dibromochloromethane
Concen: 59.034 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 129 Resp: 22496
Ion Ratio Lower Upper
129 100
127 78.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 66.350 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

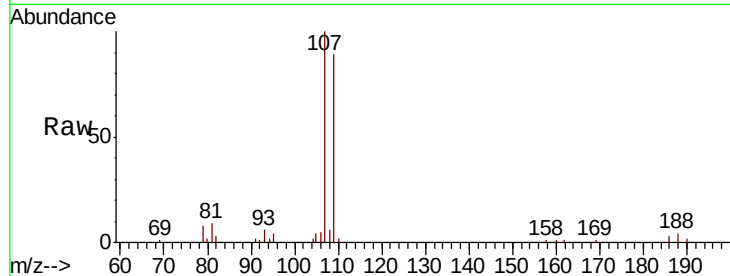
P001-SS015-0612-01MS

Tgt Ion: 107 Resp: 19799

Ion Ratio Lower Upper

107 100

109 93.3 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

12000

10000

8000

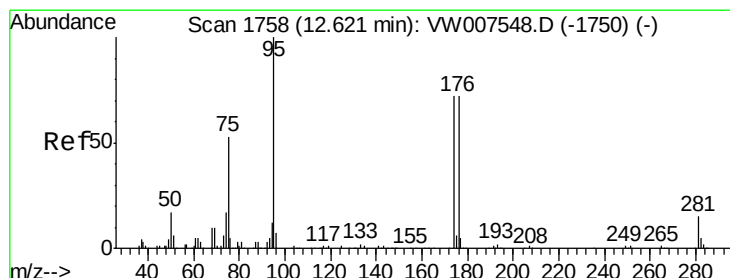
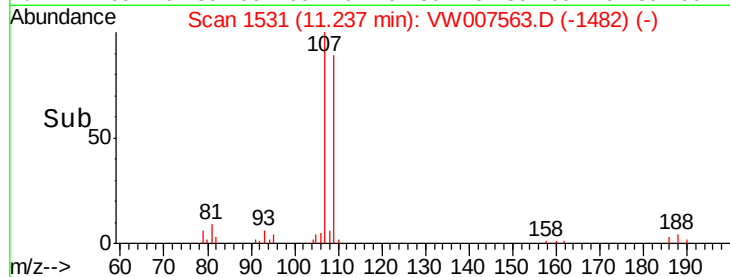
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 27.028 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

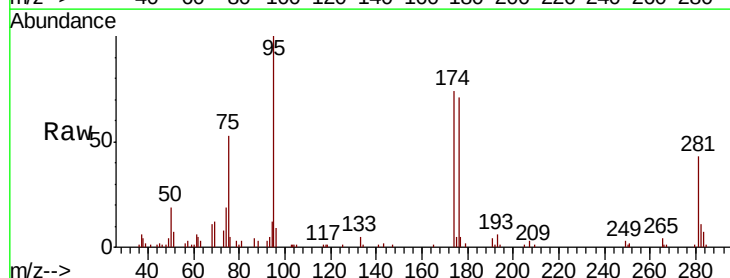
Tgt Ion: 95 Resp: 15041

Ion Ratio Lower Upper

95 100

174 77.9 0.0 147.2

176 75.0 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

12000

10000

8000

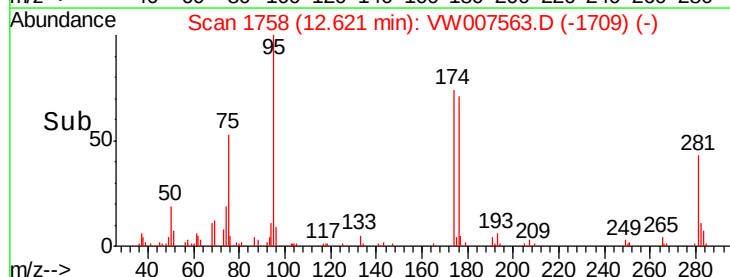
6000

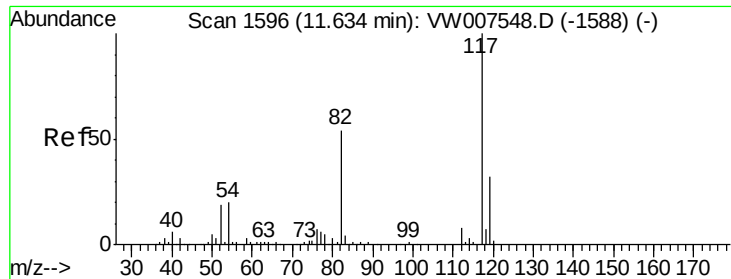
4000

2000

0

Time--> 12.55 12.60 12.65

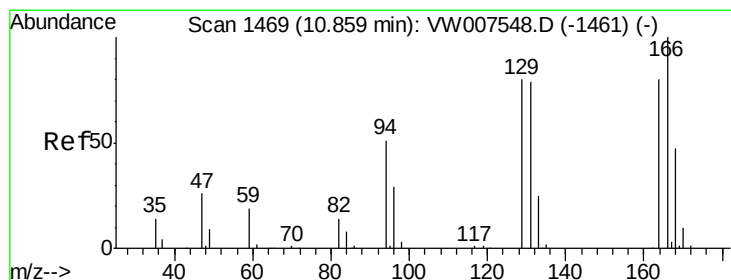
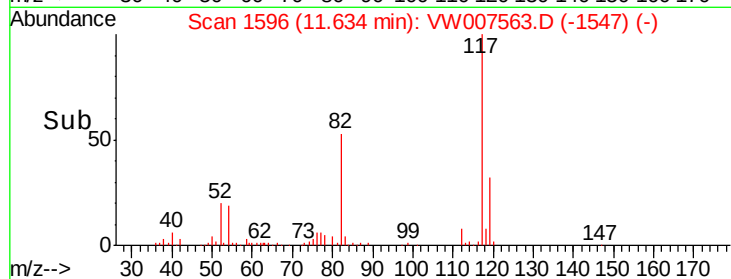
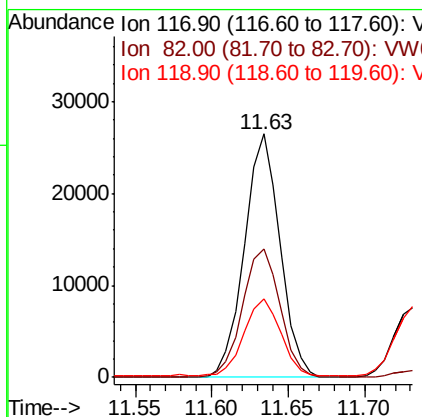
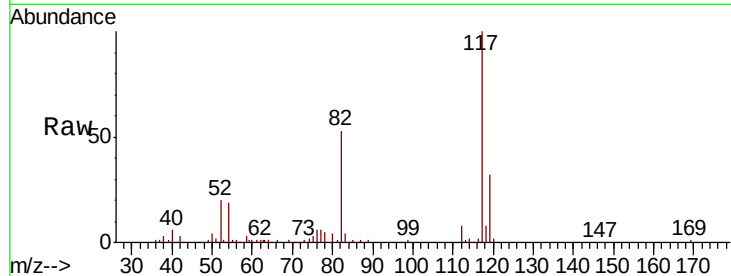




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

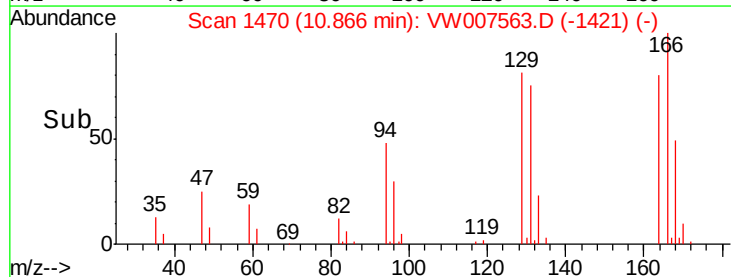
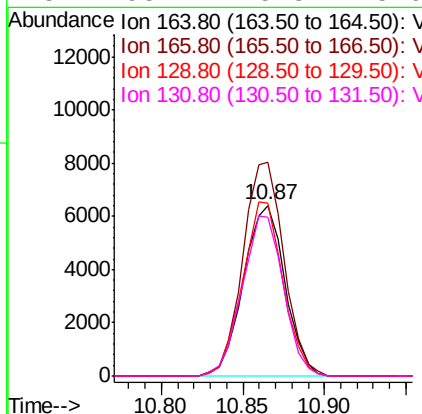
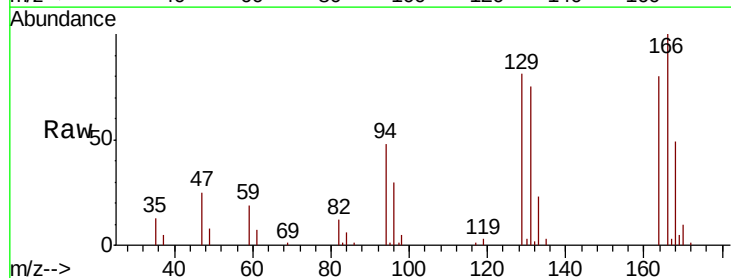
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

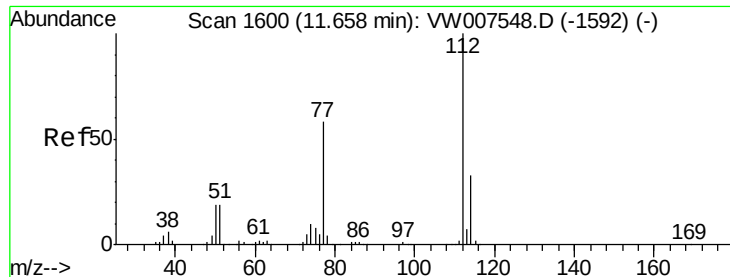
Tgt Ion:117 Resp: 42804
Ion Ratio Lower Upper
117 100
82 52.8 42.3 63.5
119 31.5 23.0 34.6



#64
Tetrachloroethene
Concen: 36.772 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion:164 Resp: 11319
Ion Ratio Lower Upper
164 100
166 125.0 107.9 161.9
129 100.8 73.4 110.2
131 93.1 75.8 113.6

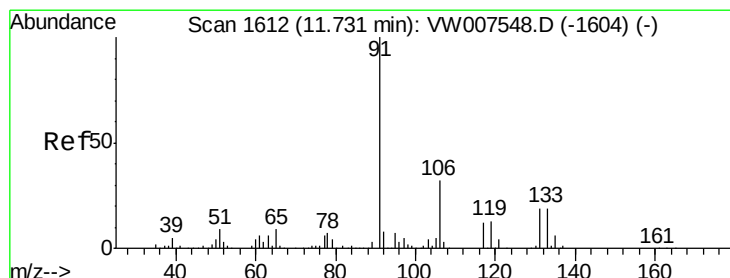
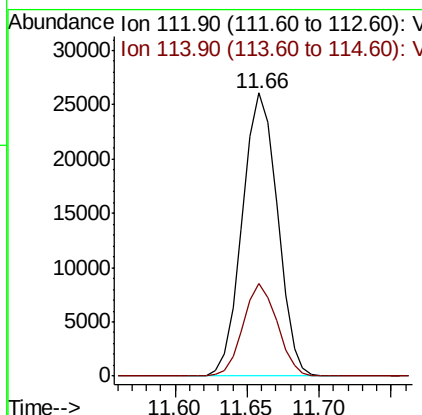
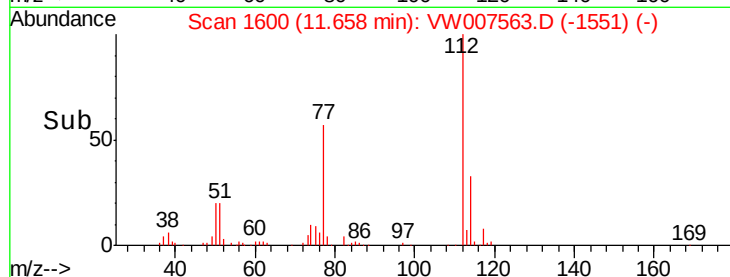
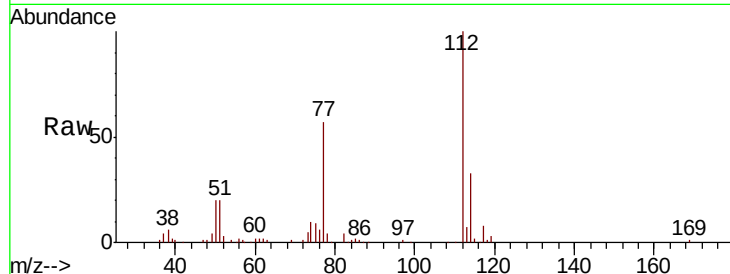




#65
Chlorobenzene
Concen: 49.590 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

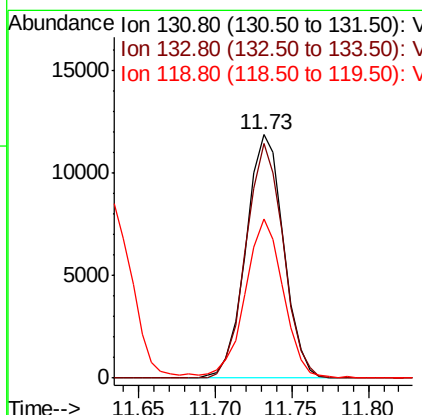
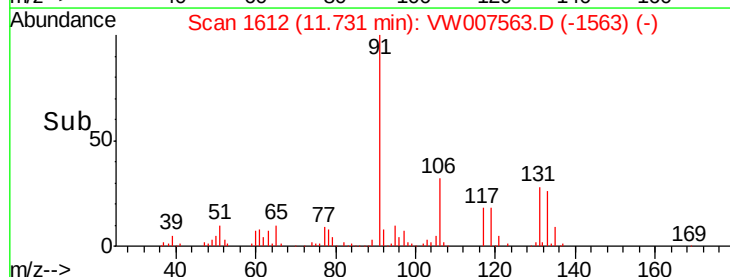
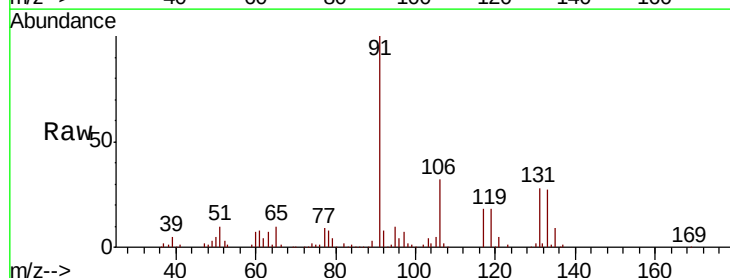
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

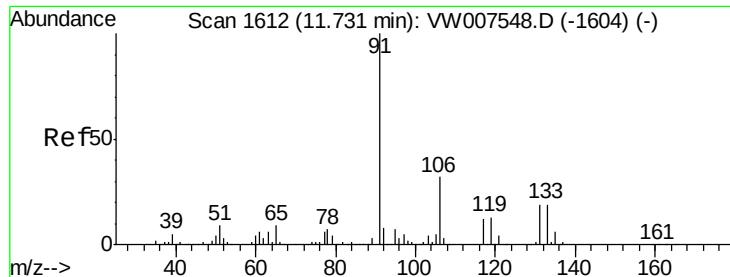
Tgt Ion:112 Resp: 44243
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 64.766 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion:131 Resp: 20351
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.4
119 66.2 31.3 93.9

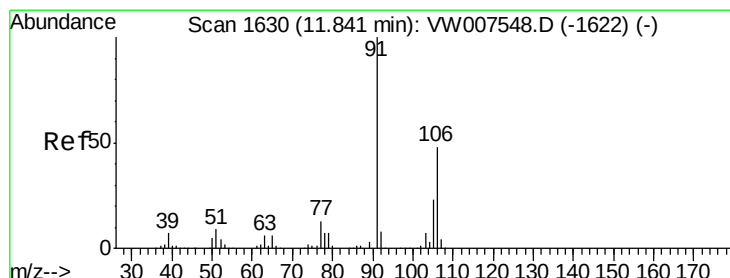
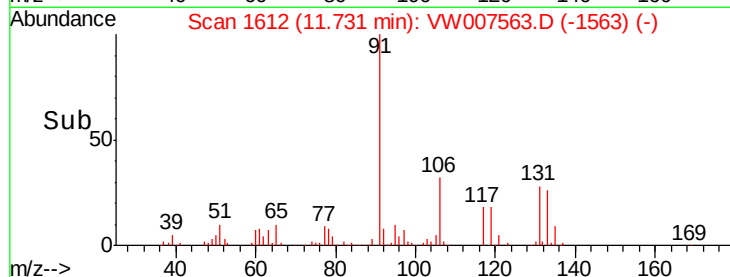
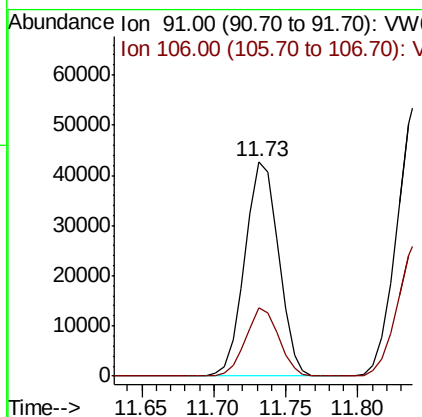
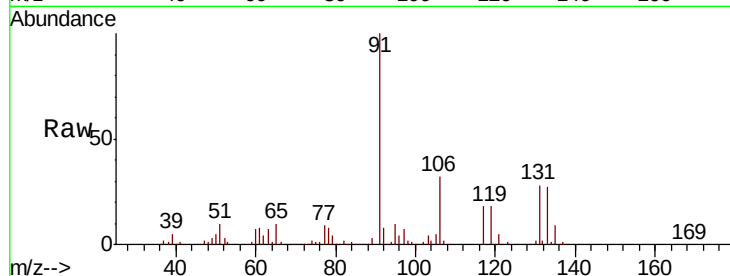




#67
Ethyl Benzene
Concen: 45.234 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

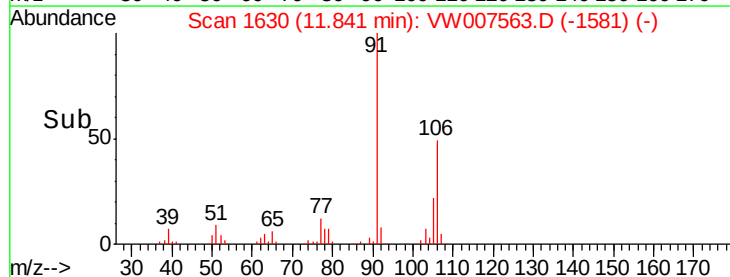
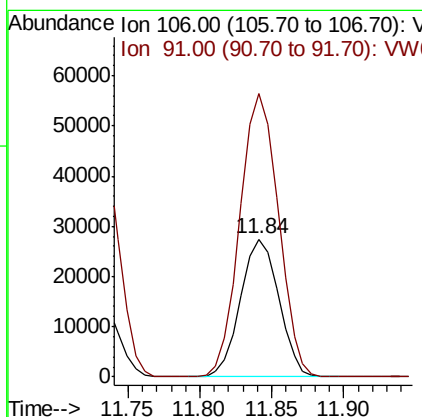
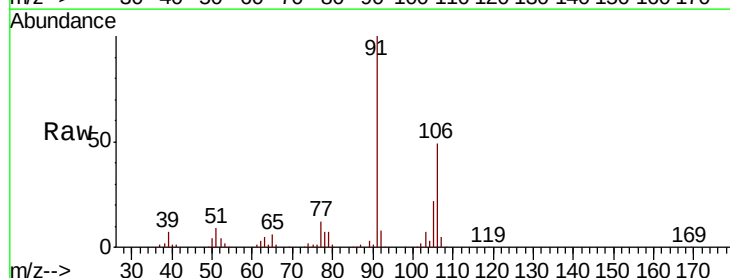
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

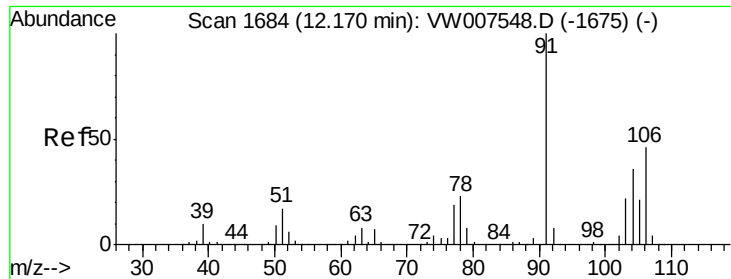
Tgt Ion: 91 Resp: 69384
Ion Ratio Lower Upper
91 100
106 31.9 21.8 32.8



#68
m/p-Xylenes
Concen: 85.244 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 106 Resp: 50832
Ion Ratio Lower Upper
106 100
91 206.7 165.3 247.9

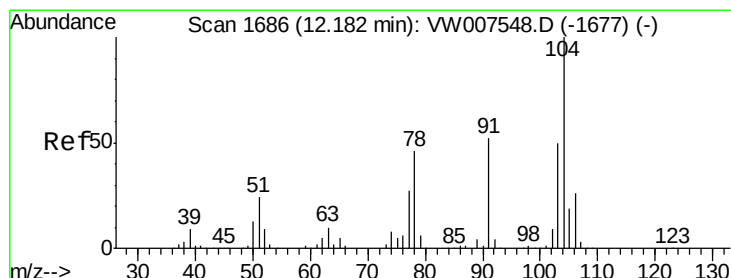
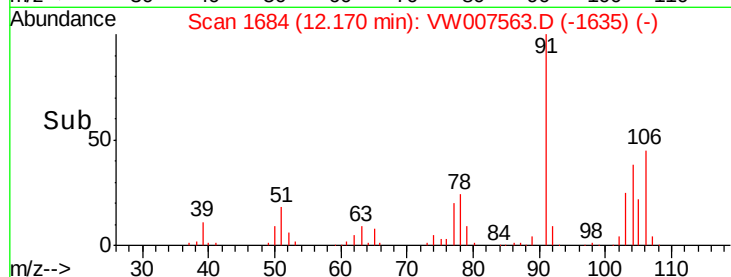
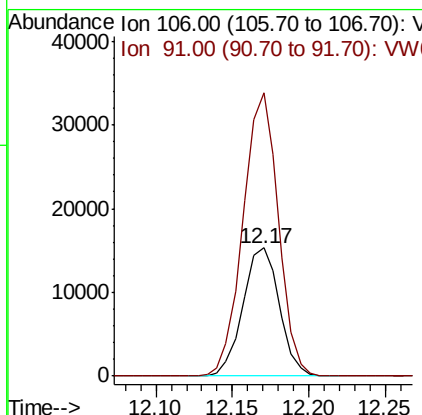
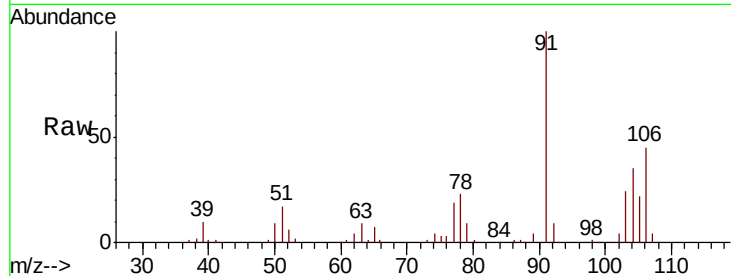




#69
o-Xylene
Concen: 45.723 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

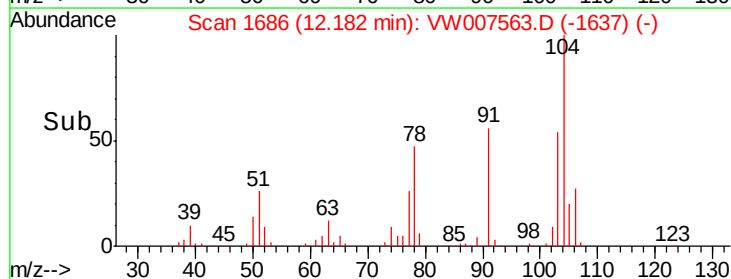
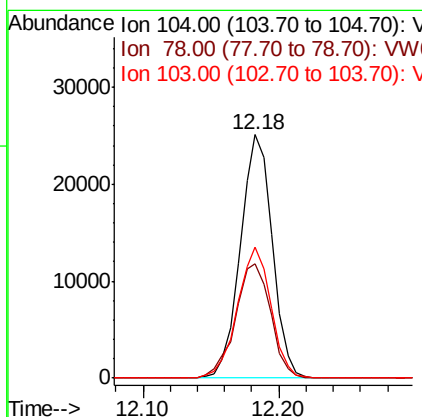
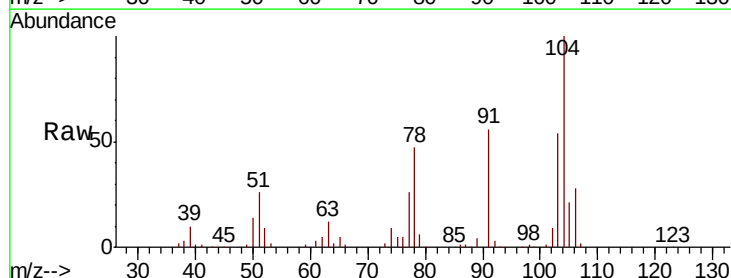
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

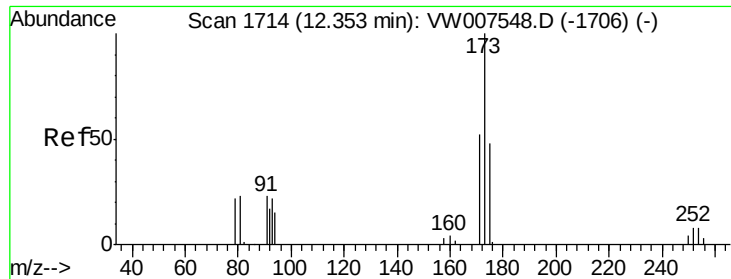
Tgt Ion:106 Resp: 25464
Ion Ratio Lower Upper
106 100
91 213.3 106.6 319.8



#70
Styrene
Concen: 45.763 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion:104 Resp: 41165
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 56.1 46.6 69.8

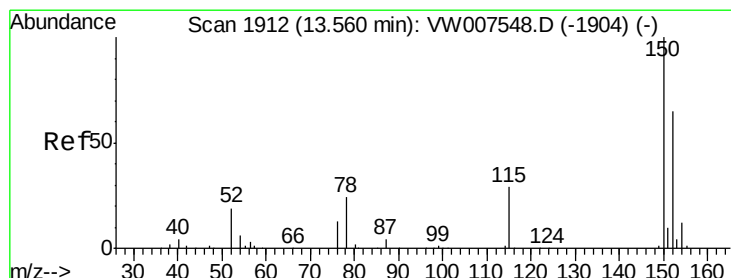
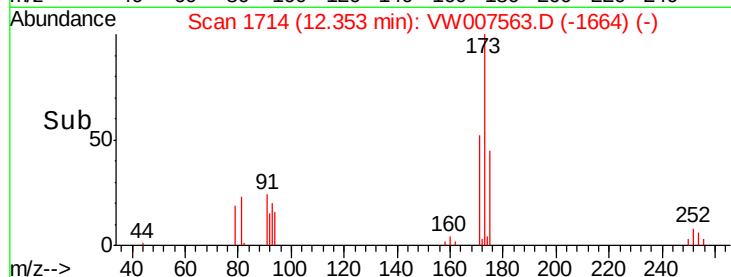
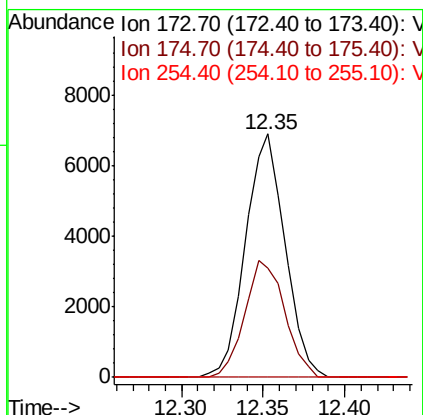
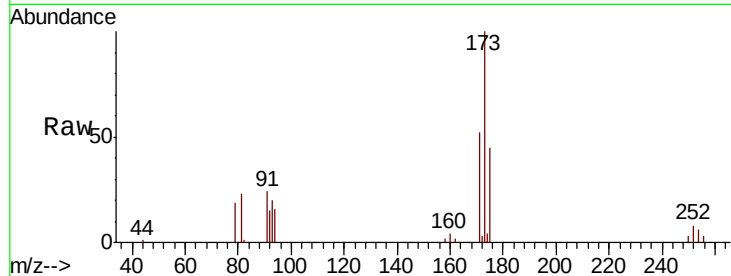




#71
Bromoform
Concen: 71.770 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

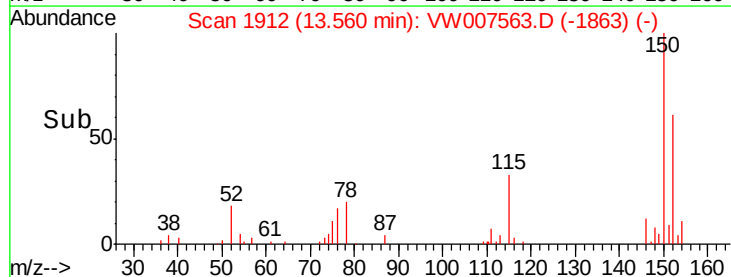
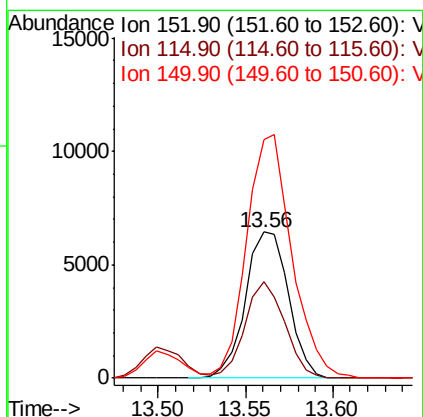
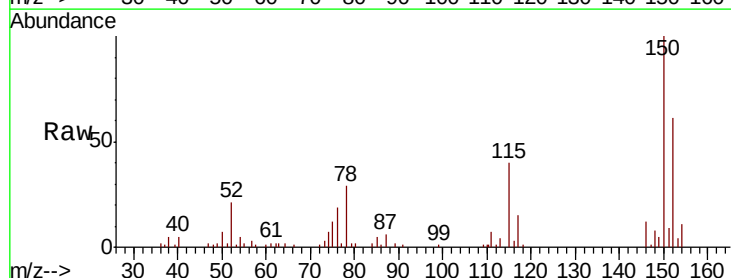
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

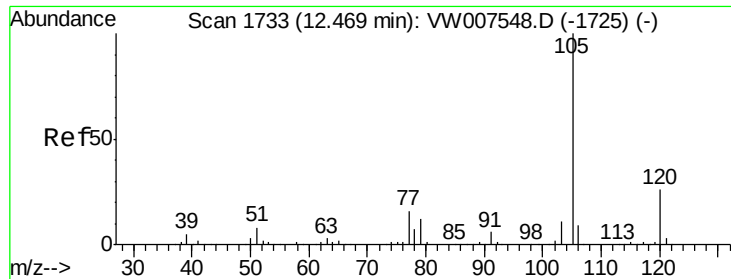
Tgt Ion:173 Resp: 11543
Ion Ratio Lower Upper
173 100
175 48.7 23.6 70.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion:152 Resp: 10994
Ion Ratio Lower Upper
152 100
115 61.2 31.4 94.2
150 175.2 0.0 358.4





#73

Isopropylbenzene

Concen: 58.925 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

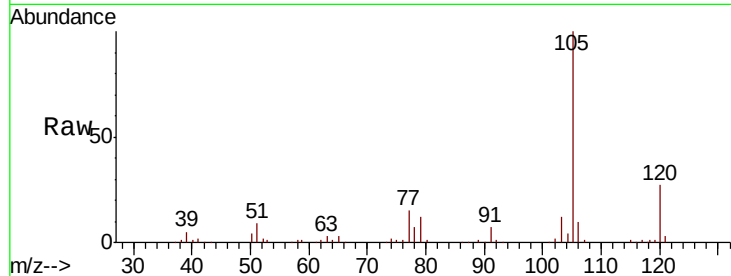
P001-SS015-0612-01MS

Tgt Ion: 105 Resp: 49639

Ion Ratio Lower Upper

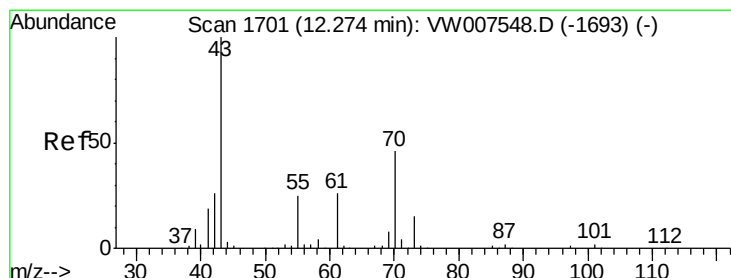
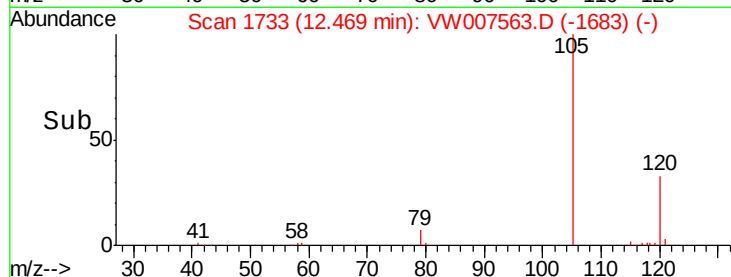
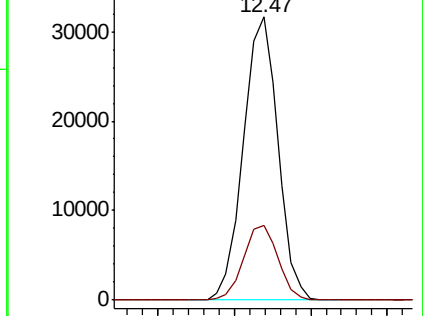
105 100

120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 7.753 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Tgt Ion: 43 Resp: 1187

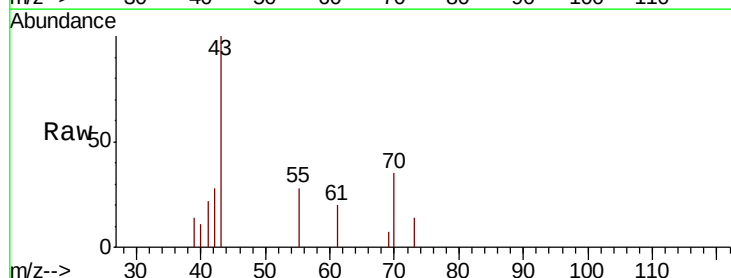
Ion Ratio Lower Upper

43 100

70 36.5 36.5 54.7#

55 26.0 20.1 30.1

61 24.0 19.3 28.9

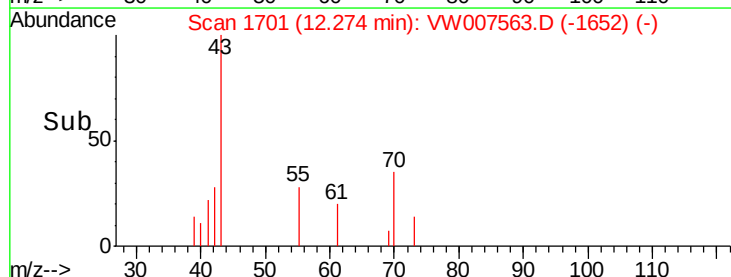
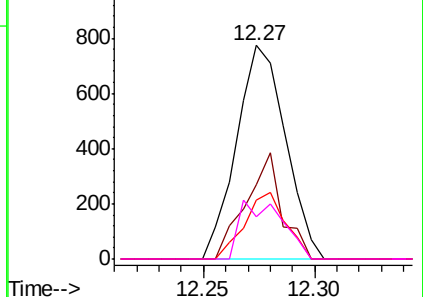


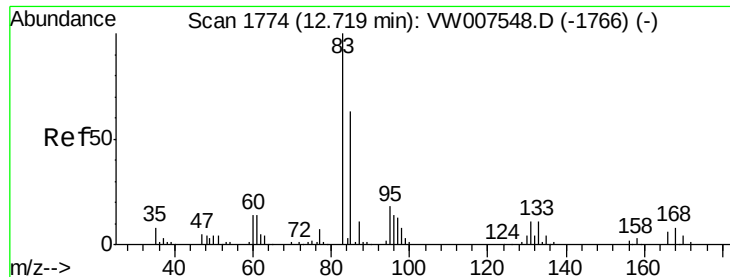
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 139.113 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

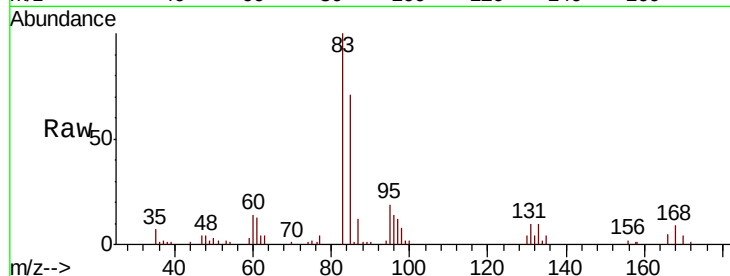
Tgt Ion: 83 Resp: 17357

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.8

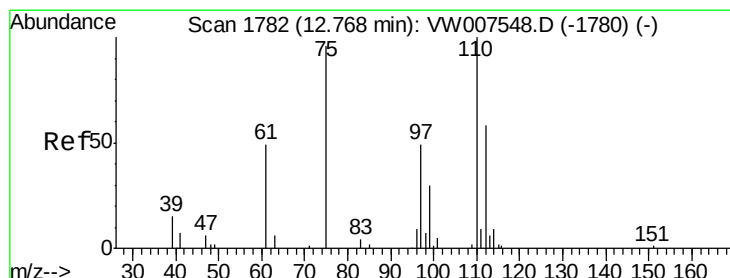
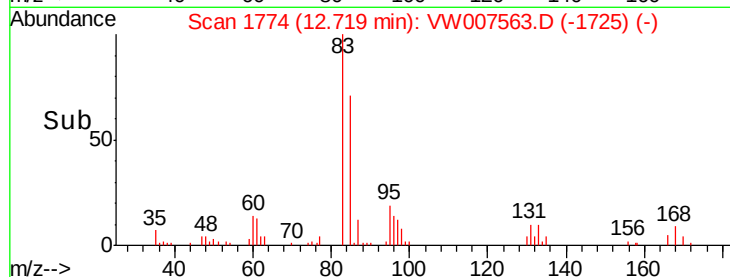
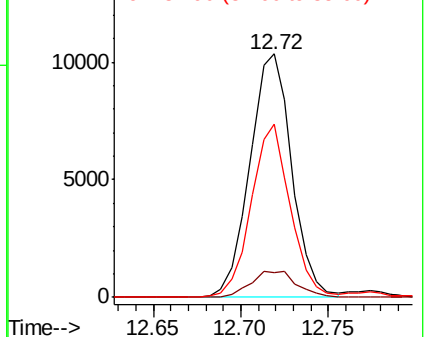
85 66.2 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 262.100 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007563.D

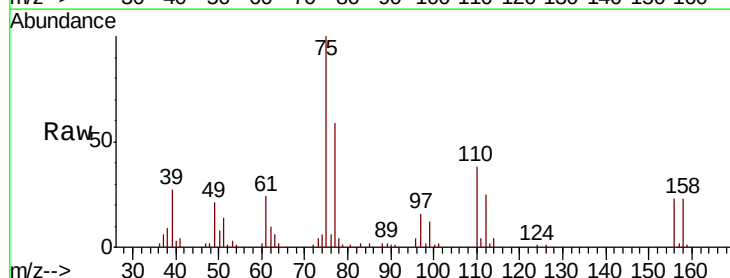
Acq: 15 Dec 2018 05:23

Tgt Ion: 75 Resp: 23759

Ion Ratio Lower Upper

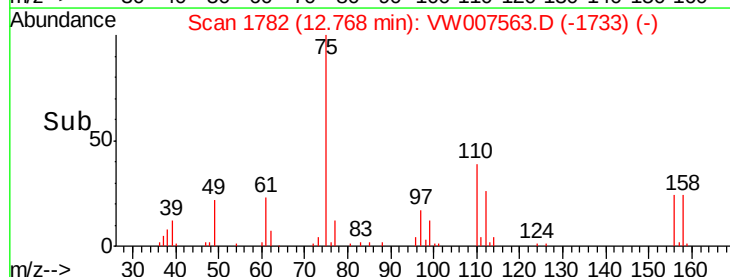
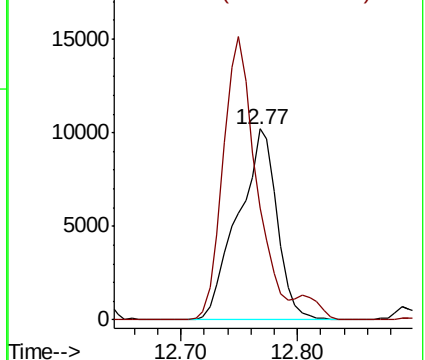
75 100

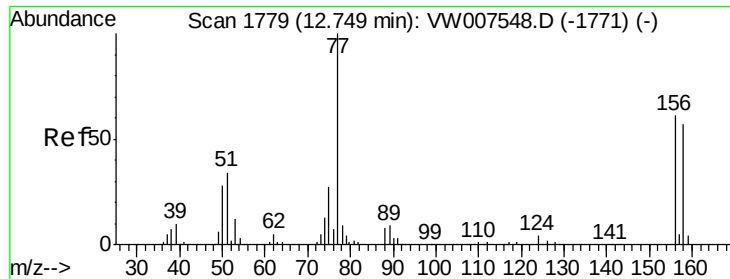
77 127.5 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 79.281 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

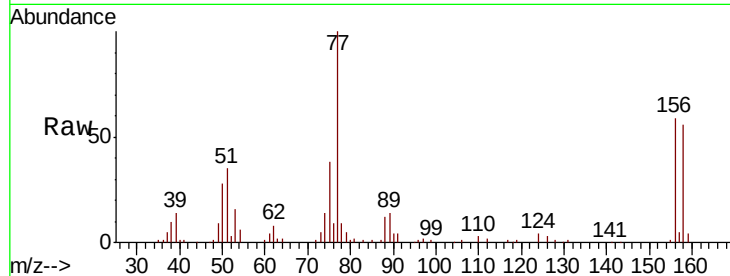
Tgt Ion:156 Resp: 14804

Ion Ratio Lower Upper

156 100

77 204.7 88.1 264.4

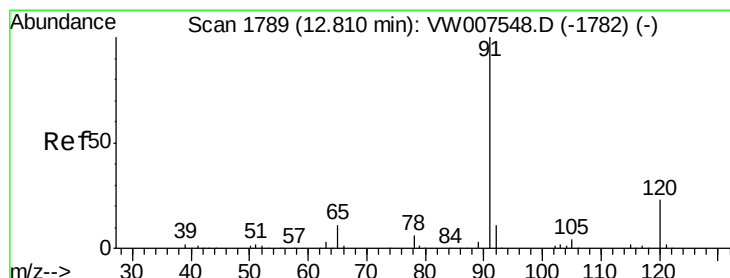
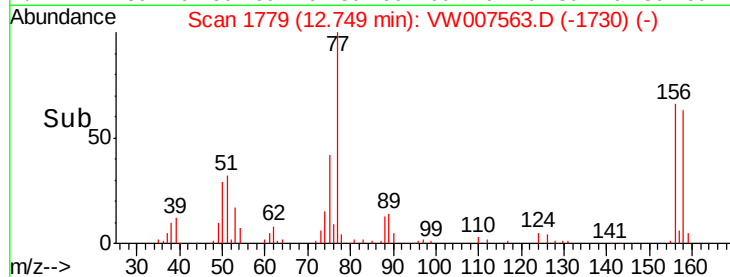
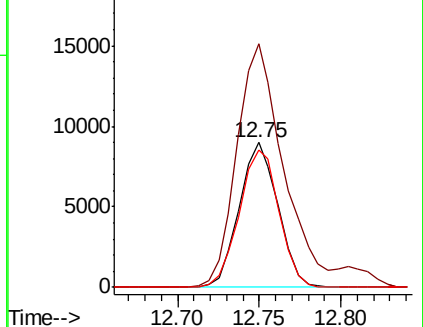
158 97.5 45.6 136.7



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: 50.010 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007563.D

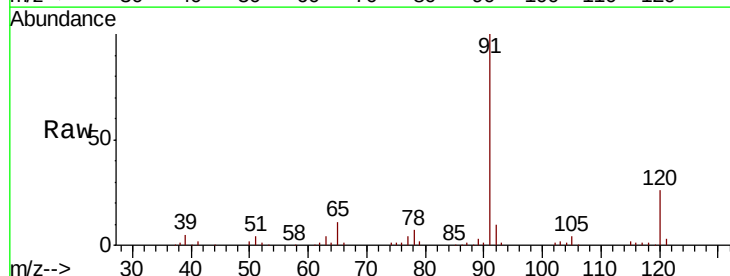
Acq: 15 Dec 2018 05:23

Tgt Ion: 91 Resp: 47412

Ion Ratio Lower Upper

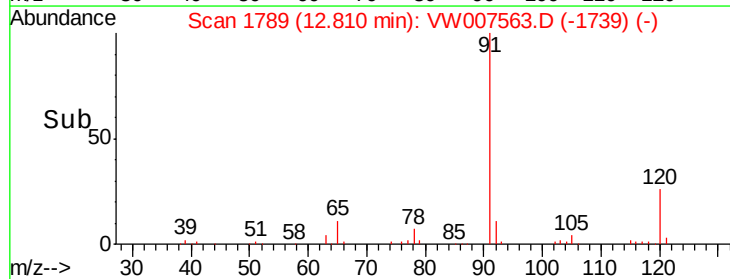
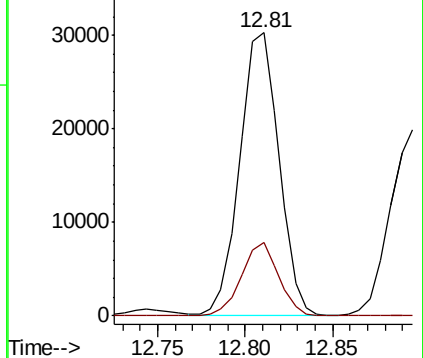
91 100

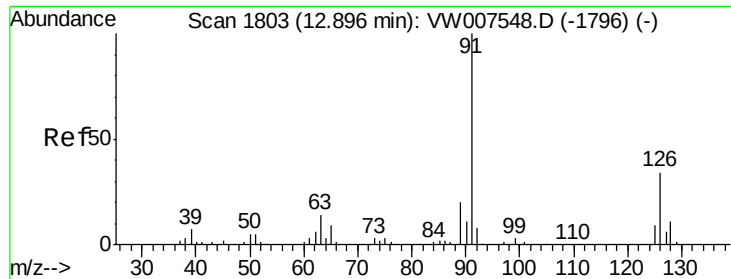
120 24.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

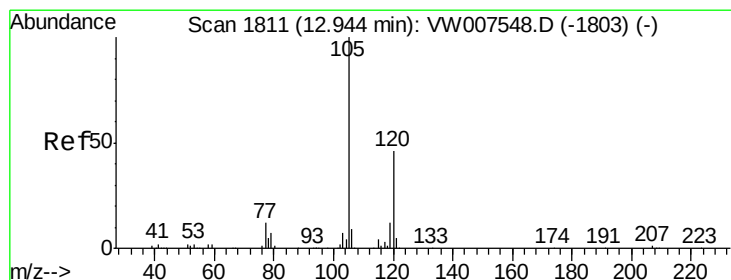
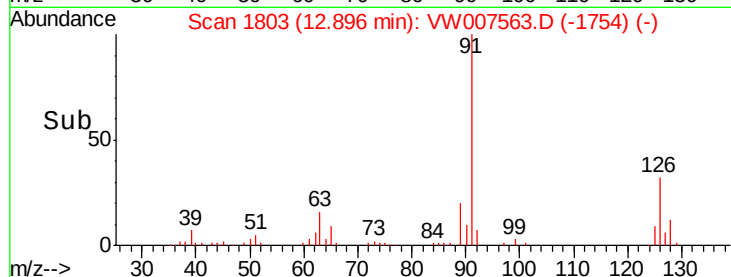
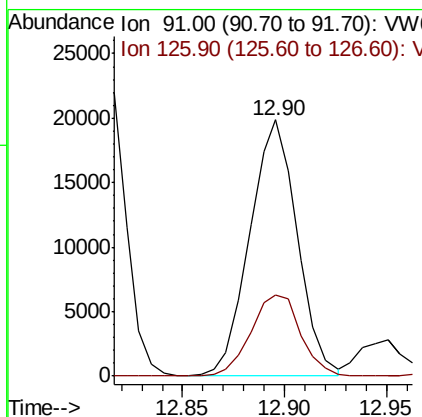
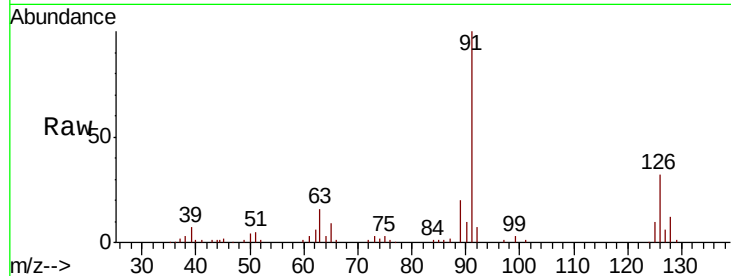




#79
 2-Chlorotoluene
 Concen: 56.127 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

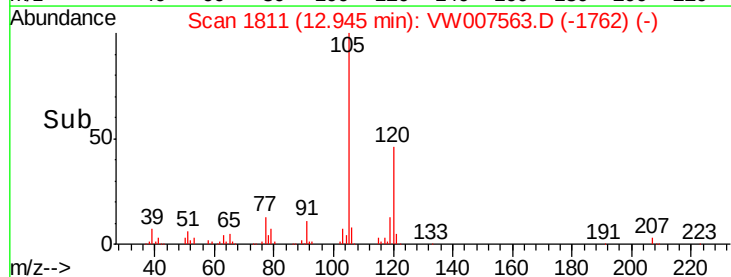
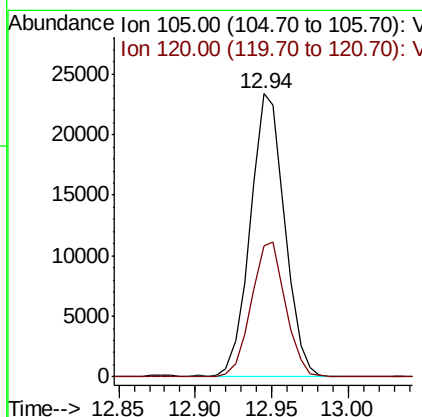
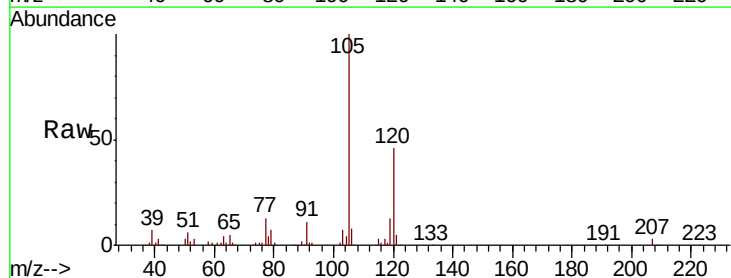
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

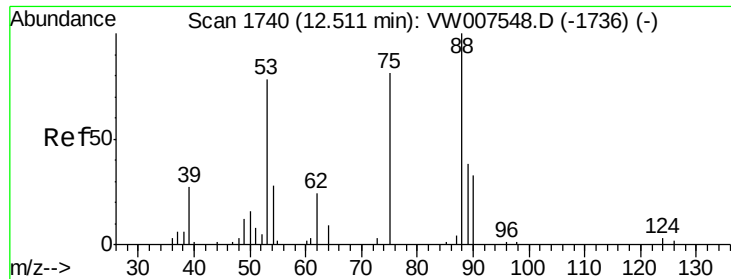
Tgt Ion: 91 Resp: 32197
 Ion Ratio Lower Upper
 91 100
 126 33.2 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 51.579 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion: 105 Resp: 36509
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.8 71.4

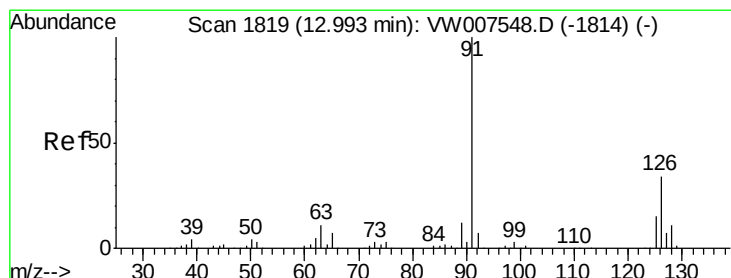
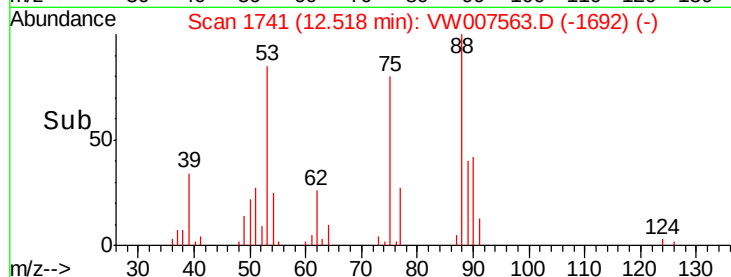
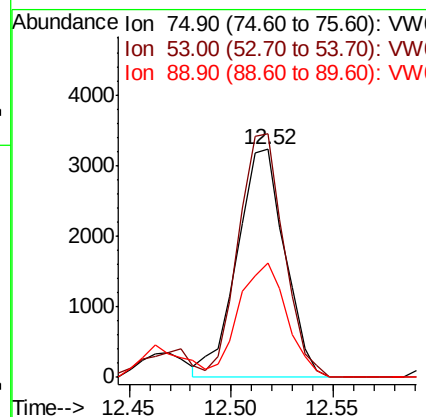
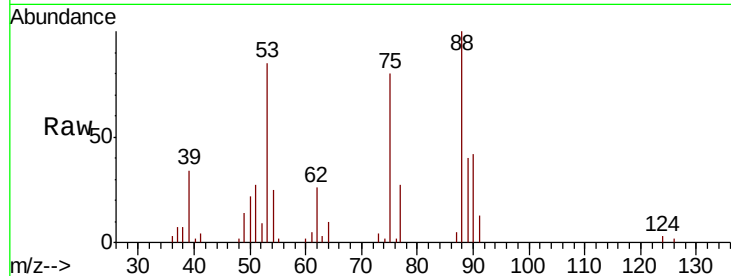




#81
trans-1,4-Dichloro-2-butene
Concen: 127.985 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

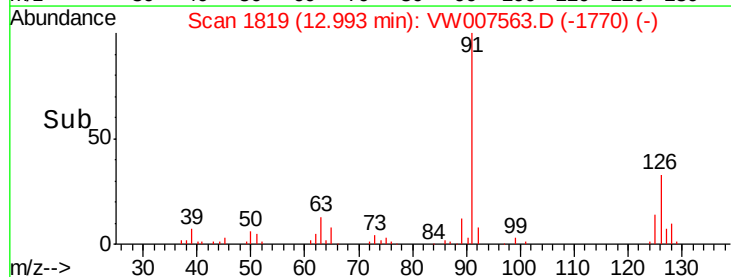
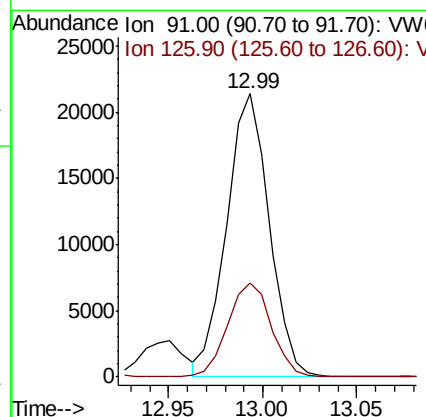
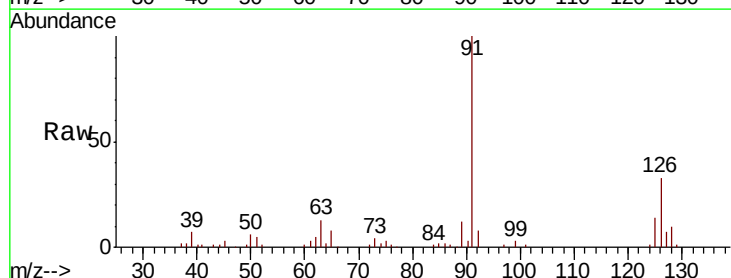
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

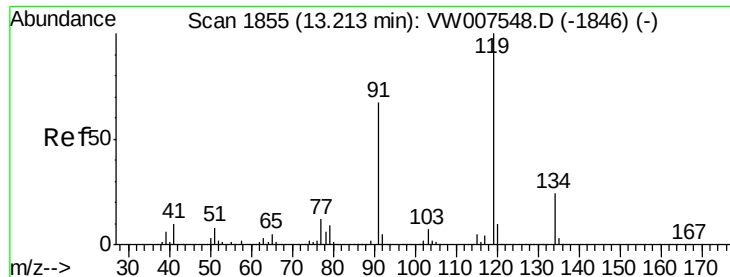
Tgt Ion: 75 Resp: 5252
Ion Ratio Lower Upper
75 100
53 101.2 84.9 127.3
89 50.4 40.3 60.5



#82
4-Chlorotoluene
Concen: 55.401 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion: 91 Resp: 33500
Ion Ratio Lower Upper
91 100
126 33.8 16.0 48.0

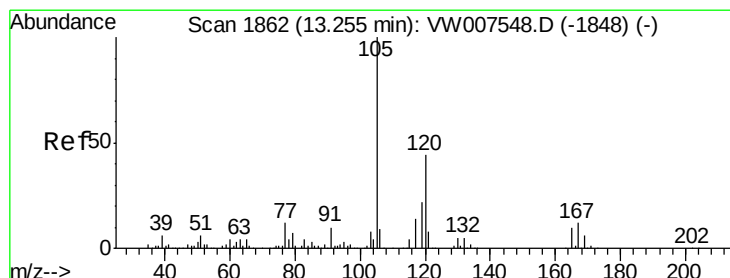
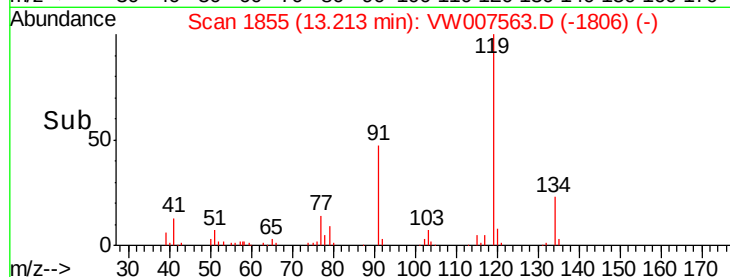
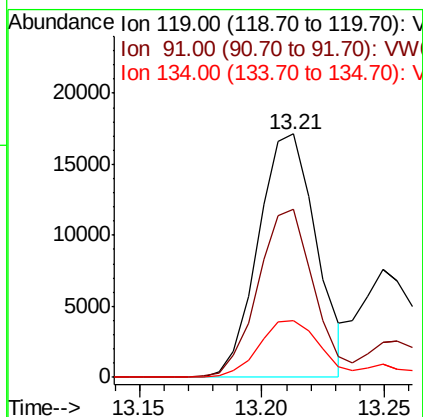
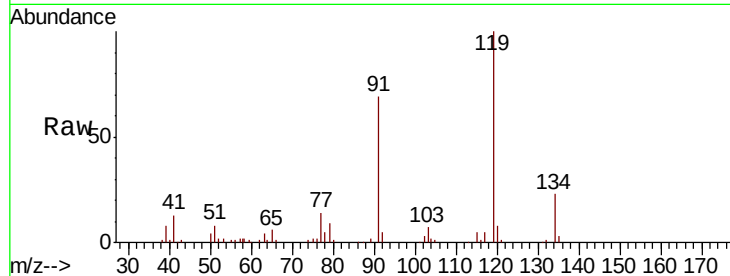




#83
tert-Butylbenzene
Concen: 45.393 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

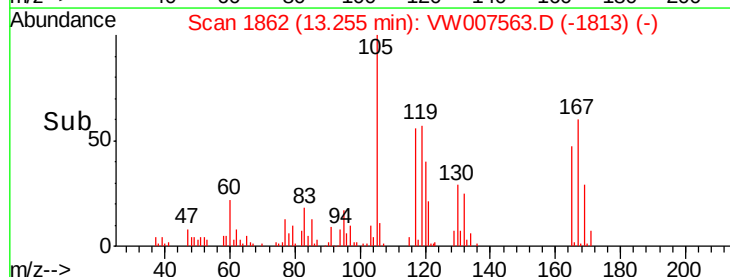
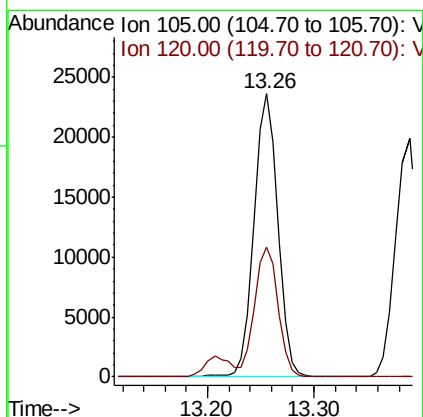
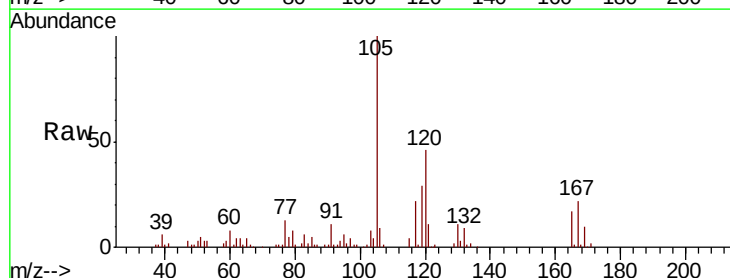
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

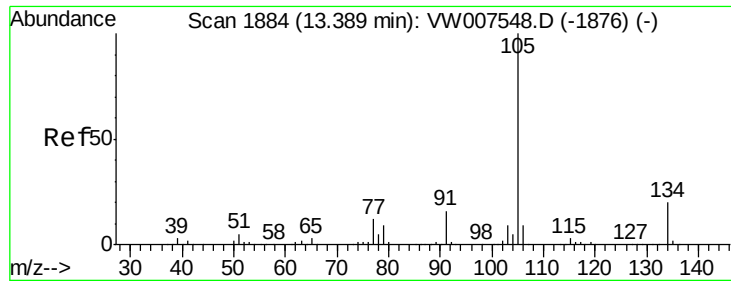
Tgt Ion:119 Resp: 28311
Ion Ratio Lower Upper
119 100
91 66.8 33.1 99.2
134 24.4 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 51.105 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion:105 Resp: 37224
Ion Ratio Lower Upper
105 100
120 45.5 22.6 67.7

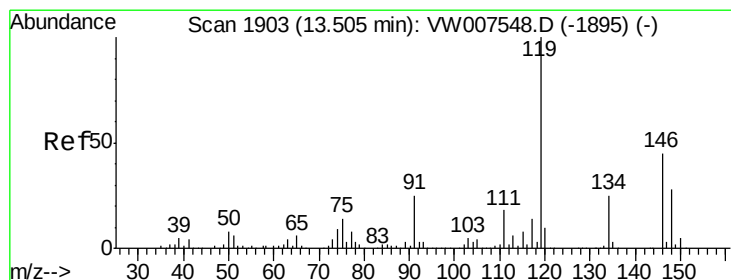
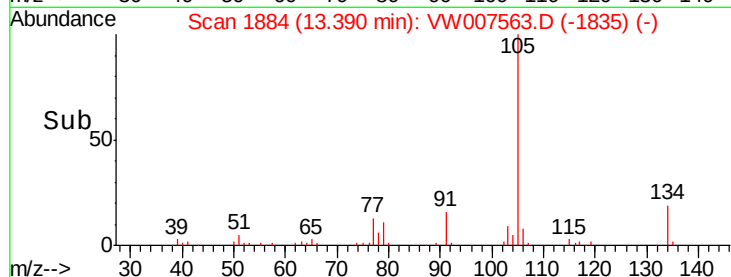
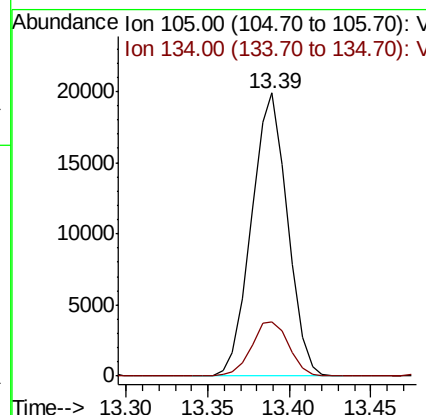
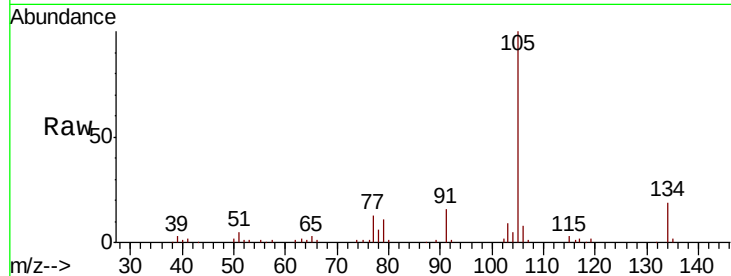




#85
 sec-Butylbenzene
 Concen: 35.785 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

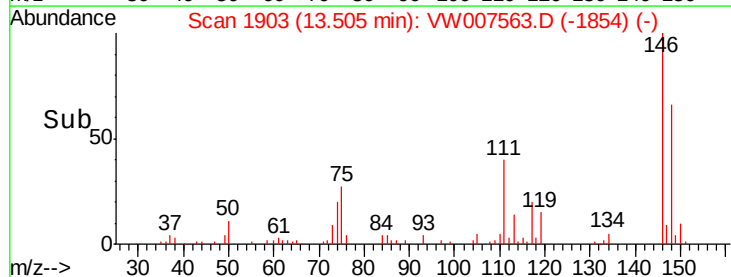
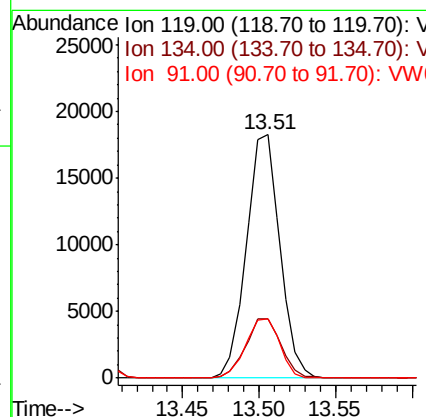
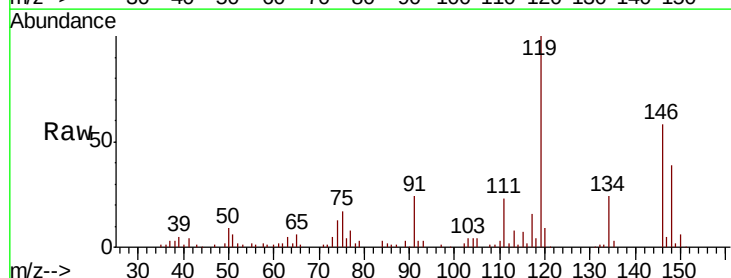
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

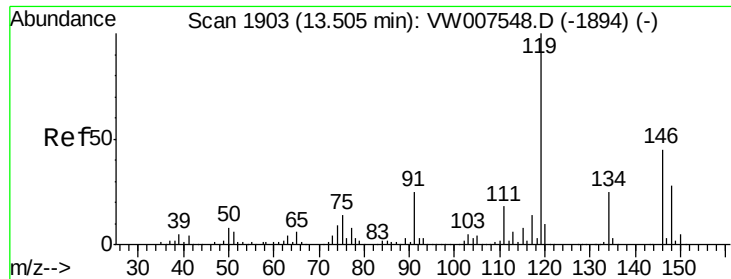
Tgt Ion:105 Resp: 30468
 Ion Ratio Lower Upper
 105 100
 134 20.1 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 36.275 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion:119 Resp: 27746
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 25.0 11.9 35.9

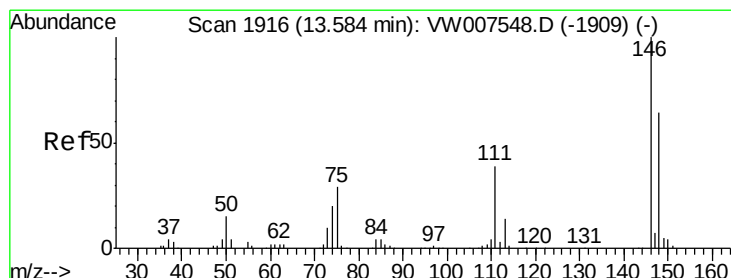
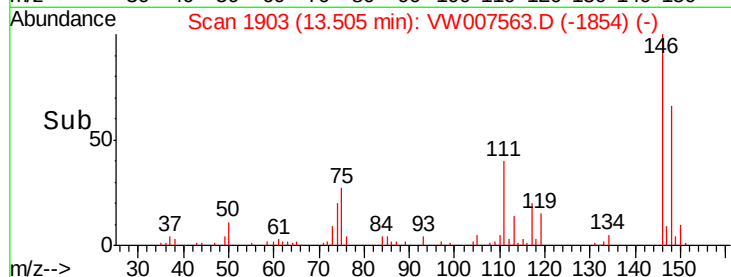
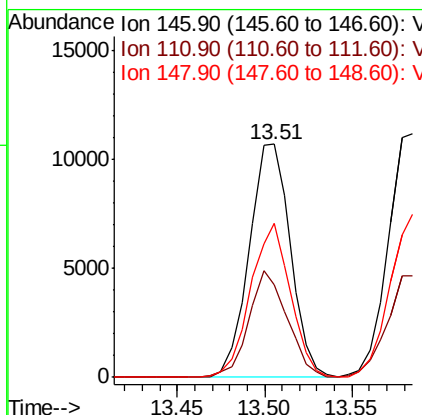
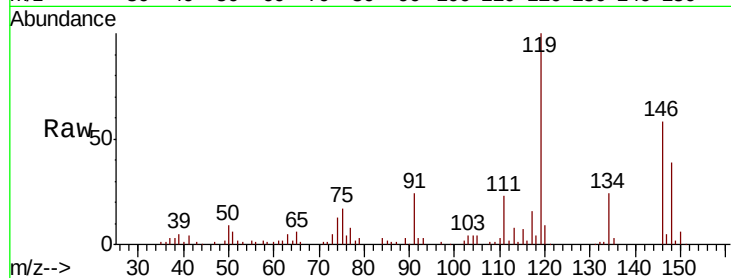




#87
 1,3-Dichlorobenzene
 Concen: 46.971 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

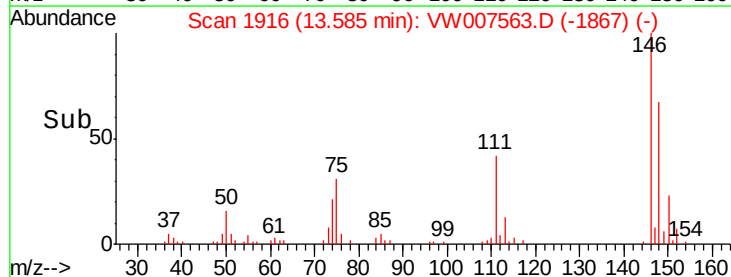
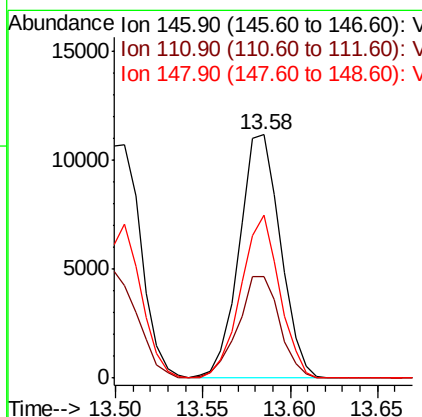
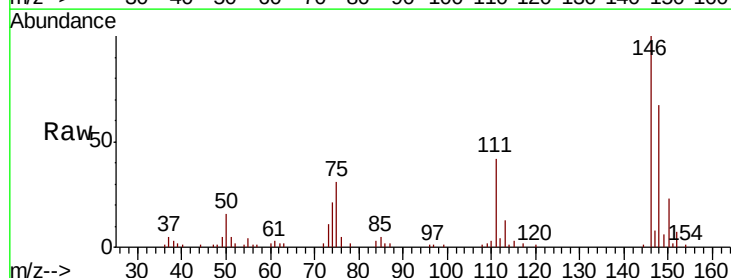
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

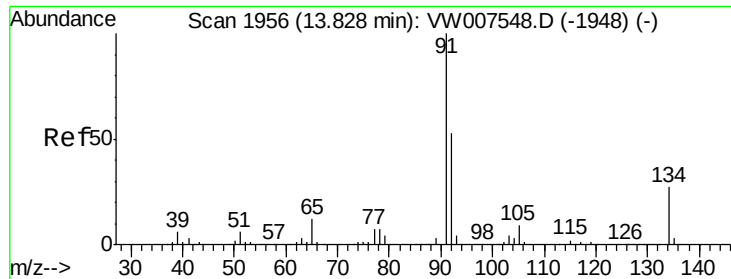
Tgt Ion:146 Resp: 17487
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.1 60.3
 148 63.8 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 48.928 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion:146 Resp: 18313
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.3 61.0
 148 62.7 33.5 100.5





#89

n-Butylbenzene

Concen: 26.644 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007563.D

Acq: 15 Dec 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MS

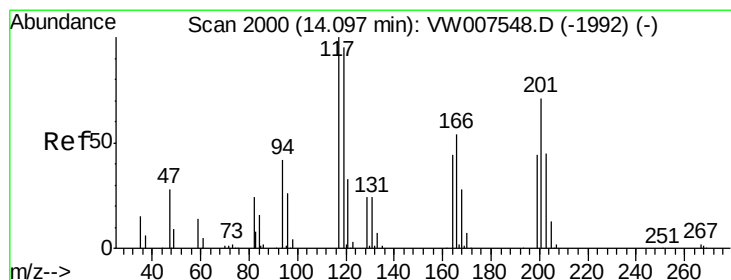
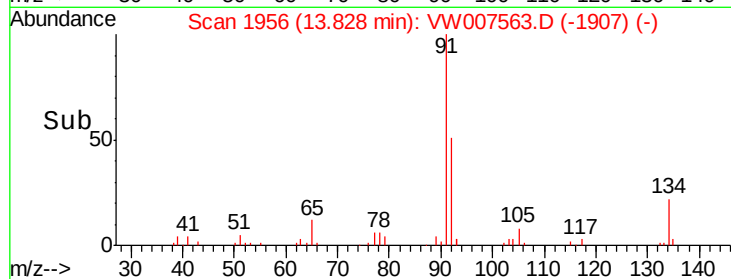
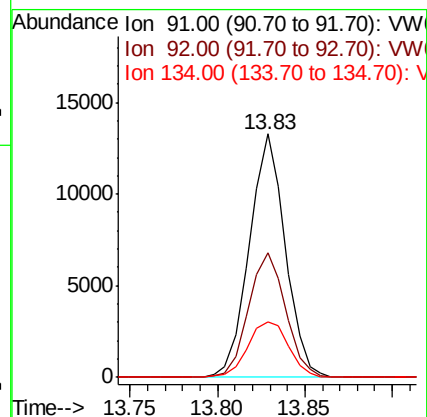
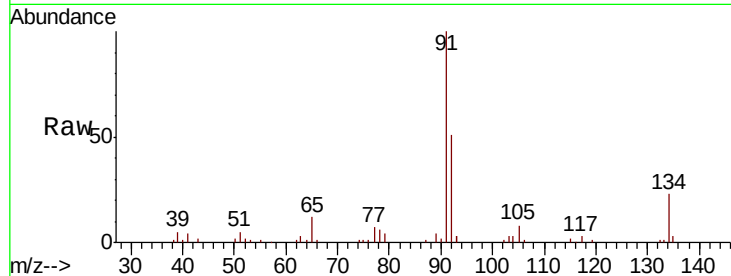
Tgt Ion: 91 Resp: 18893

Ion Ratio Lower Upper

91 100

92 52.7 25.7 77.1

134 25.9 13.4 40.2



#90

Hexachloroethane

Concen: 35.930 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007563.D

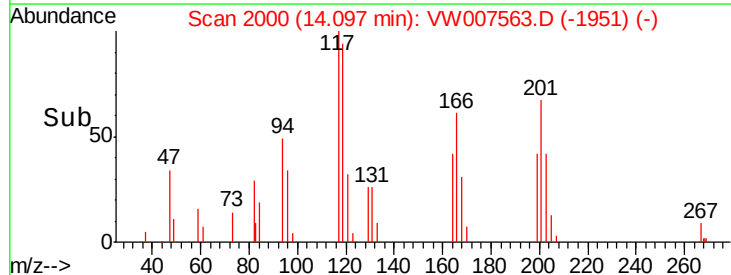
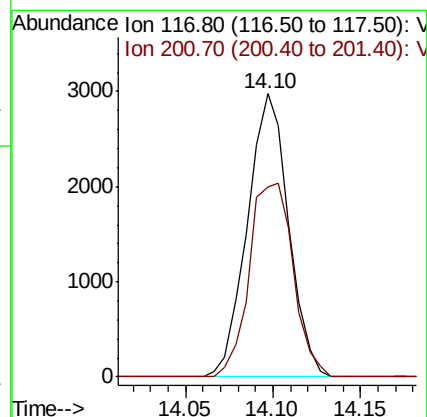
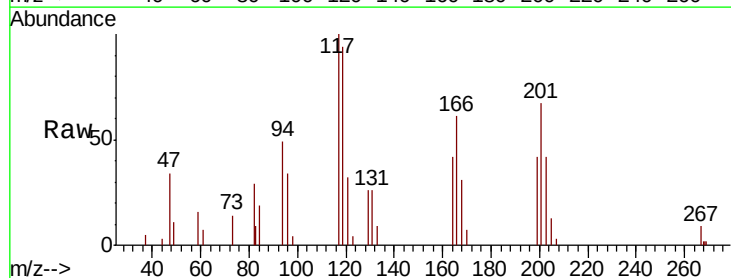
Acq: 15 Dec 2018 05:23

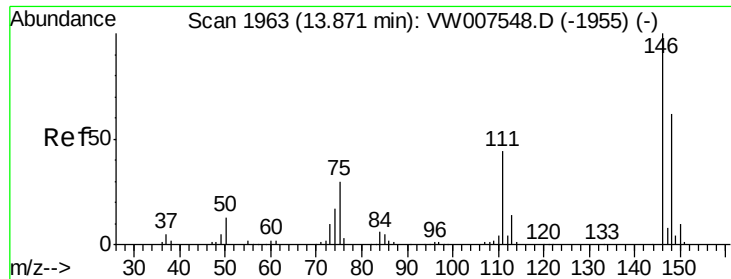
Tgt Ion: 117 Resp: 4890

Ion Ratio Lower Upper

117 100

201 73.2 35.3 105.9

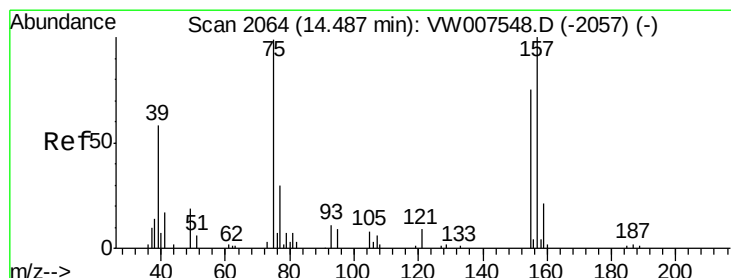
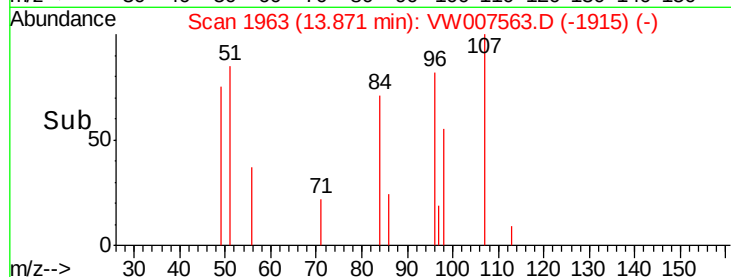
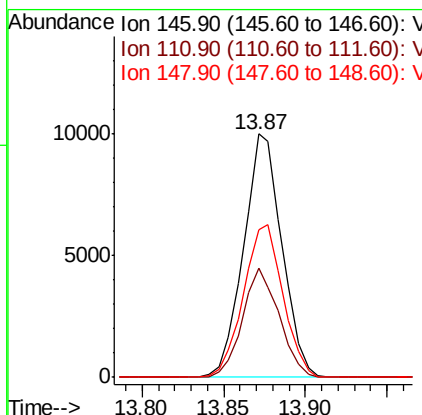
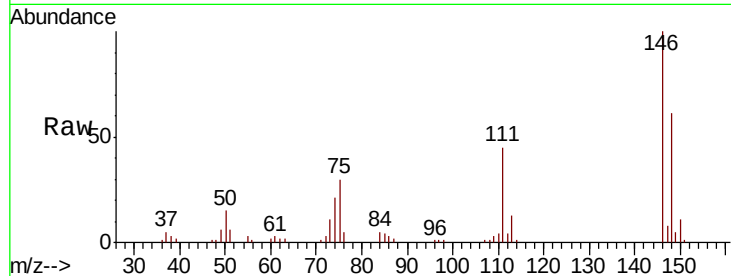




#91
 1,2-Dichlorobenzene
 Concen: 48.844 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

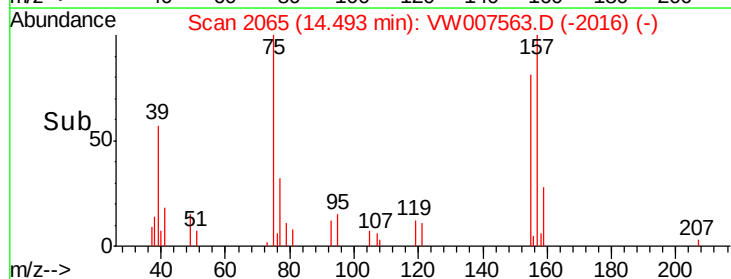
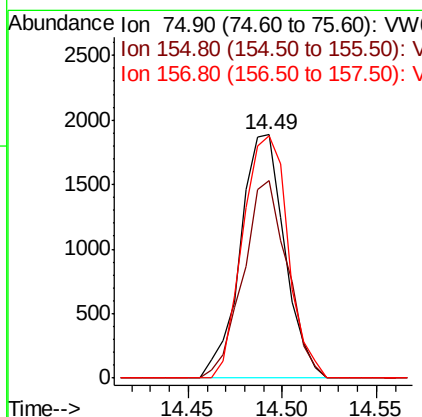
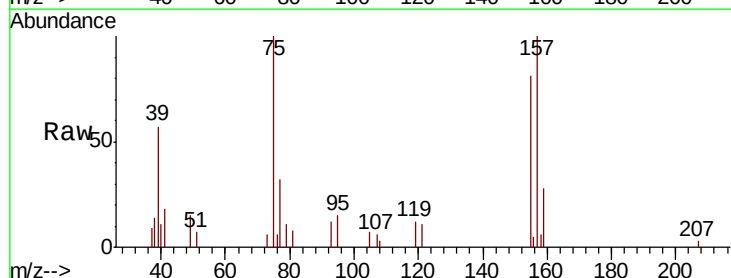
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

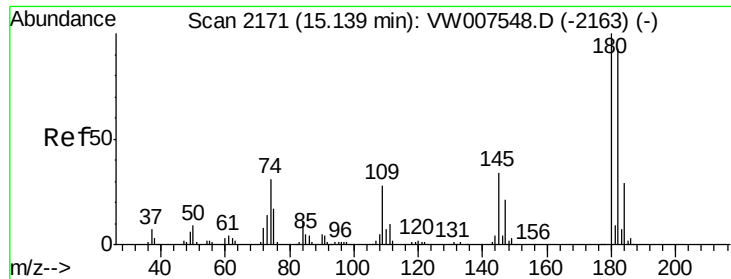
Tgt Ion: 146 Resp: 16287
 Ion Ratio Lower Upper
 146 100
 111 42.9 22.4 67.2
 148 64.5 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 122.810 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion: 75 Resp: 3075
 Ion Ratio Lower Upper
 75 100
 155 80.9 40.8 122.2
 157 101.4 51.1 153.4

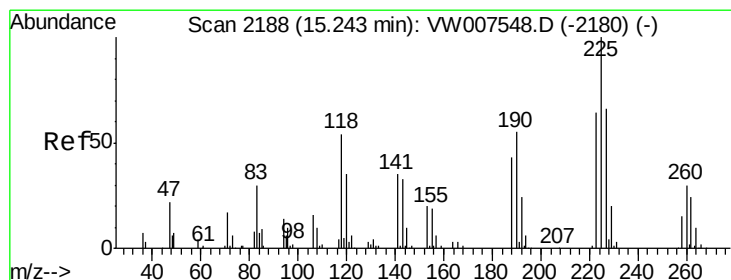
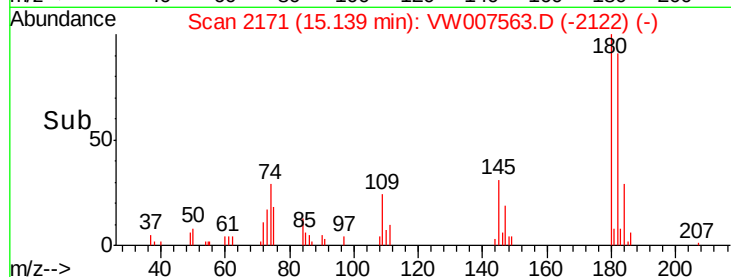
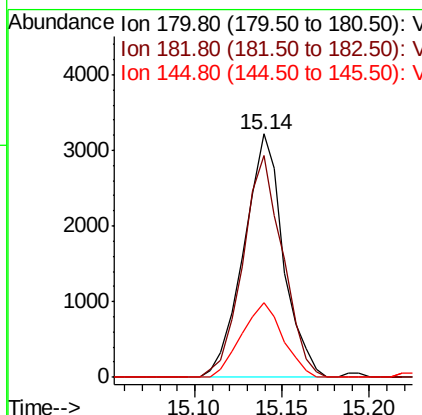
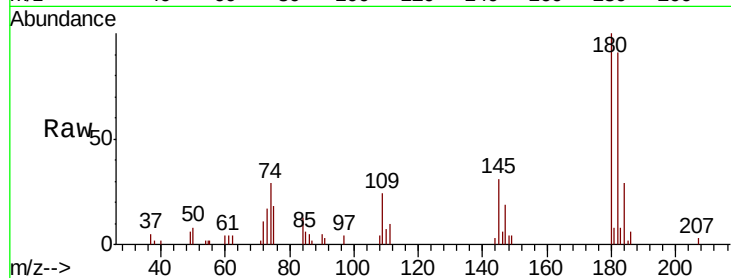




#93
 1,2,4-Trichlorobenzene
 Concen: 22.020 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

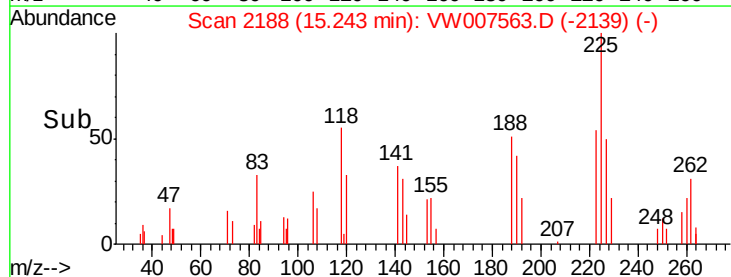
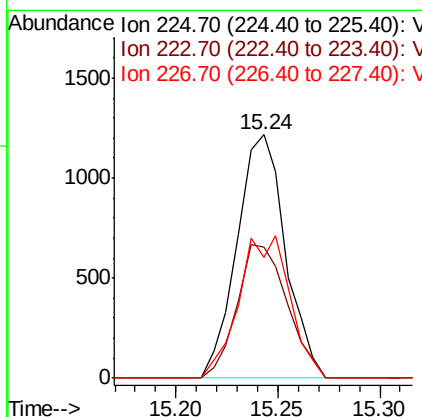
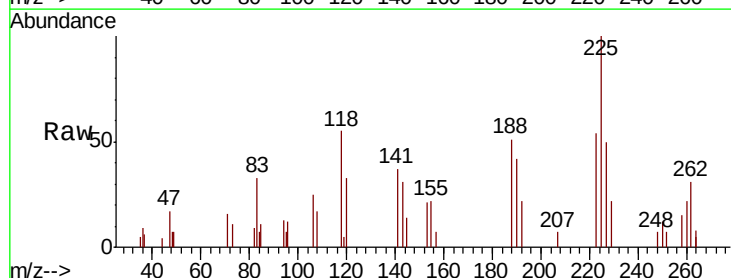
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MS

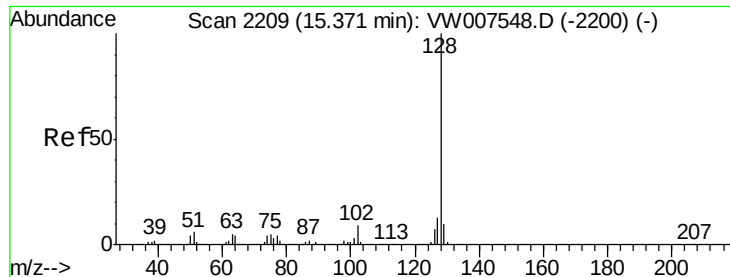
Tgt Ion:180 Resp: 5053
 Ion Ratio Lower Upper
 180 100
 182 91.6 49.9 149.6
 145 32.0 17.8 53.4



#94
 Hexachlorobutadiene
 Concen: 16.451 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007563.D
 Acq: 15 Dec 2018 05:23

Tgt Ion:225 Resp: 2003
 Ion Ratio Lower Upper
 225 100
 223 57.0 32.1 96.3
 227 61.5 31.9 95.9

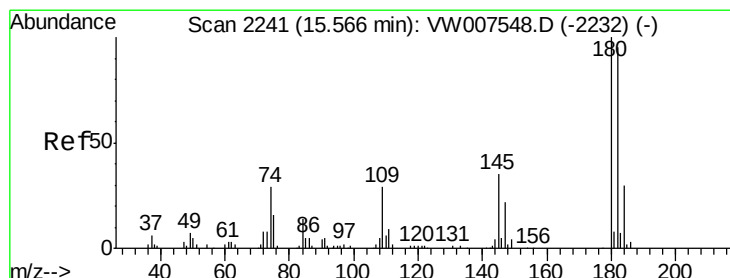
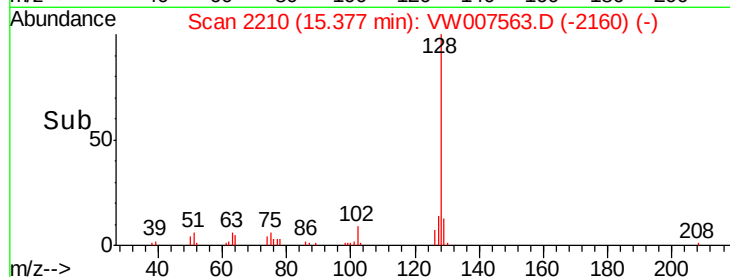
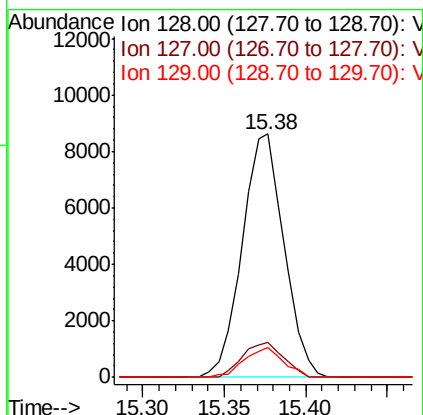
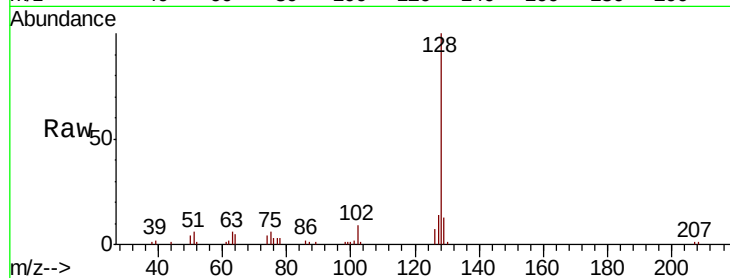




#95
Naphthalene
Concen: 34.964 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MS

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	11.5	8.3	12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.041 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007563.D
Acq: 15 Dec 2018 05:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	45.6	136.7
145	33.4	17.5	52.5

