

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV121718\
 Data File : VW007564.D
 Acq On : 15 Dec 2018 05:49
 Operator : SY/AP
 Sample : J6391-03MSD
 Misc : 4.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Dec 15 19:30:52 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	36840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	64004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	44873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	12496	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	29165	71.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.72%	
35) Dibromofluoromethane	7.88	113	24163	62.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.74%	
50) Toluene-d8	10.32	98	66875	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.62	95	17457	32.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12996	50.482	ug/l	96
3) Chloromethane	2.21	50	11948	55.415	ug/l	97
4) Vinyl Chloride	2.37	62	13537	53.501	ug/l	99
5) Bromomethane	2.78	94	10111	59.476	ug/l	94
6) Chloroethane	2.93	64	8561	61.466	ug/l	89
7) Trichlorofluoromethane	3.26	101	12603	55.403	ug/l	98
8) Diethyl Ether	3.68	74	15138	85.025	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	15499	41.292	ug/l	95
10) Methyl Iodide	4.26	142	32937	52.983	ug/l	97
11) Tert butyl alcohol	5.17	59	11845	421.985	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	19020	52.630	ug/l	99
13) Acrolein	3.89	56	1043	56.155	ug/l	96
14) Allyl chloride	4.67	41	31914	59.910	ug/l	98
15) Acrylonitrile	5.36	53	25121	334.700	ug/l	97
16) Acetone	4.12	43	30203	423.073	ug/l #	89
17) Carbon Disulfide	4.37	76	51082	46.618	ug/l	99
18) Methyl Acetate	4.67	43	40852	210.840	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	51144	93.811	ug/l	99
20) Methylene Chloride	4.91	84	30219	79.736	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	23264	57.546	ug/l	96
22) Diisopropyl ether	6.31	45	78501	76.667	ug/l	96
23) Vinyl Acetate	6.31	43	46153	80.587	ug/l #	74
24) 1,1-Dichloroethane	6.22	63	44594	64.440	ug/l	98
25) 2-Butanone	7.17	43	34073	365.593	ug/l	95
26) 2,2-Dichloropropane	7.17	77	25138	54.887	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	27802	62.807	ug/l	99
28) Bromochloromethane	7.51	49	18425	70.783	ug/l	97
29) Tetrahydrofuran	7.53	42	26455	448.380	ug/l	97
30) Chloroform	7.68	83	49218	65.355	ug/l	99
31) Cyclohexane	7.96	56	16696	26.296	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	35681	54.029	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25846	44.267	ug/l	98
37) Ethyl Acetate	7.25	43	5506	25.354	ug/l #	77
38) Carbon Tetrachloride	8.07	117	29208	45.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	11101	15.702	ug/l	87
40) Benzene	8.32	78	91568	56.512	ug/l	99
41) Methacrylonitrile	7.53	41	22463	181.646	ug/l #	45
42) 1,2-Dichloroethane	8.40	62	37955	74.569	ug/l	100
43) Isopropyl Acetate	8.43	43	16101	37.535	ug/l #	84
44) Trichloroethene	9.09	130	22128	47.824	ug/l	99
45) 1,2-Dichloropropane	9.37	63	23872	63.665	ug/l	96
46) Dibromomethane	9.46	93	15904	74.689	ug/l	96
47) Bromodichloromethane	9.65	83	35737	63.983	ug/l	94
48) Methyl methacrylate	9.44	41	16862	76.539	ug/l	97
49) 1,4-Dioxane	9.45	88	5696	1648.607	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	82536	407.217	ug/l	100
52) Toluene	10.39	92	51006	48.642	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	33976	62.658	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	36947	58.942	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21003	72.472	ug/l	98
56) Ethyl methacrylate	10.65	69	6699	19.231	ug/l #	73
57) 1,3-Dichloropropane	10.93	76	34663	72.871	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	41298	257.093	ug/l	99
59) 2-Hexanone	10.97	43	48061	355.615	ug/l	98
60) Dibromochloromethane	11.13	129	23402	63.986	ug/l	97
61) 1,2-Dibromoethane	11.24	107	20600	71.928	ug/l	92
64) Tetrachloroethene	10.87	164	11838	36.685	ug/l	96
65) Chlorobenzene	11.66	112	48242	51.579	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	21922	66.549	ug/l	98
67) Ethyl Benzene	11.73	91	73889	45.950	ug/l	92
68) m/p-Xylenes	11.84	106	55147	88.216	ug/l	99
69) o-Xylene	12.17	106	27993	47.947	ug/l	94
70) Styrene	12.18	104	45478	48.226	ug/l	96
71) Bromoform	12.35	173	11823	70.122	ug/l #	95
73) Isopropylbenzene	12.47	105	56027	58.514	ug/l	100
74) N-amyl acetate	12.28	43	3174	18.240	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	18860	132.990	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	25570	248.173	ug/l #	1
77) Bromobenzene	12.75	156	16453	77.521	ug/l	86
78) n-propylbenzene	12.81	91	53260	49.426	ug/l	99
79) 2-Chlorotoluene	12.90	91	36596	56.128	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	41778	51.928	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5663	121.414	ug/l	97
82) 4-Chlorotoluene	12.99	91	37862	55.089	ug/l	96
83) tert-Butylbenzene	13.21	119	32380	45.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	42933	51.858	ug/l	98
85) sec-Butylbenzene	13.39	105	32931	34.029	ug/l	97
86) p-Isopropyltoluene	13.51	119	31124	35.800	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	20120	47.547	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	21188	49.805	ug/l	97
89) n-Butylbenzene	13.83	91	20492	25.425	ug/l	99
90) Hexachloroethane	14.10	117	5510	35.620	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	19244	50.775	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3168	111.316	ug/l	96

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QLast Update : Tue Dec 11 02:58:16 2018
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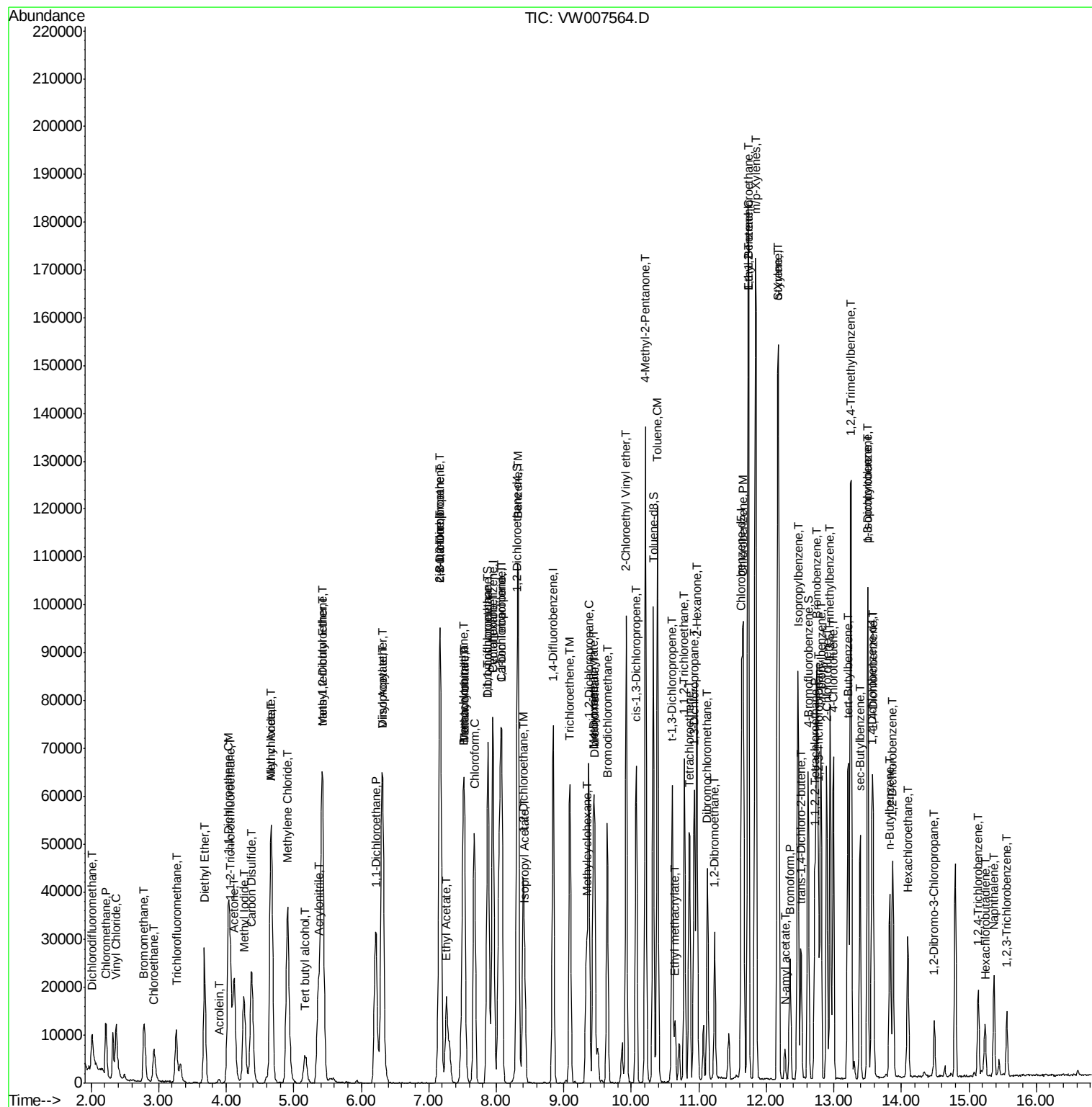
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	5784	22.175	ug/l	94
94) Hexachlorobutadiene	15.24	225	1805	13.043	ug/l	97
95) Naphthalene	15.37	128	19403	38.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	4490	19.817	ug/l	96

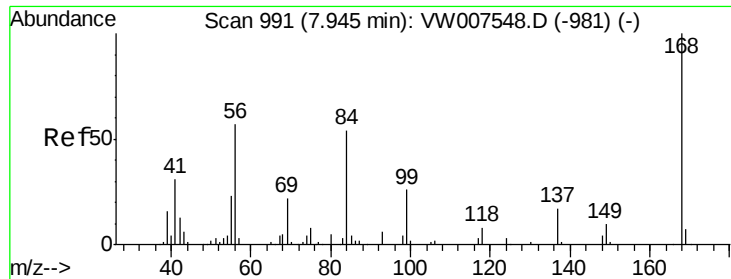
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

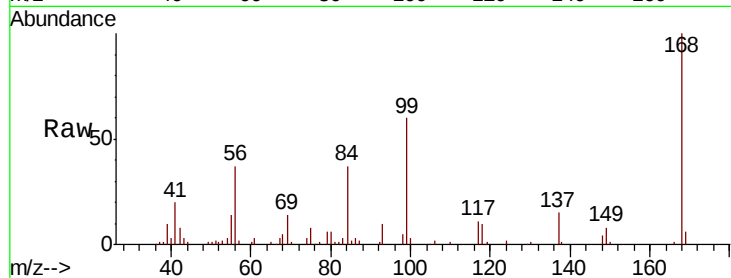
P001-SS015-0612-01MSD

Tgt Ion:168 Resp: 36840

Ion Ratio Lower Upper

168 100

99 60.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

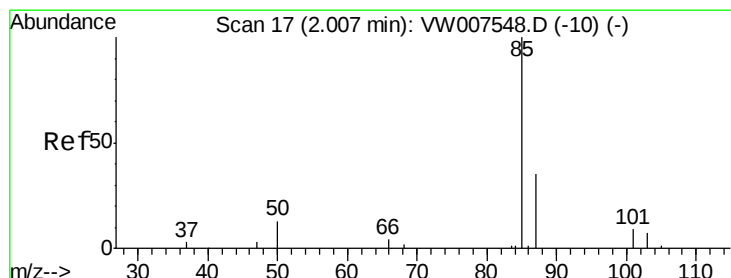
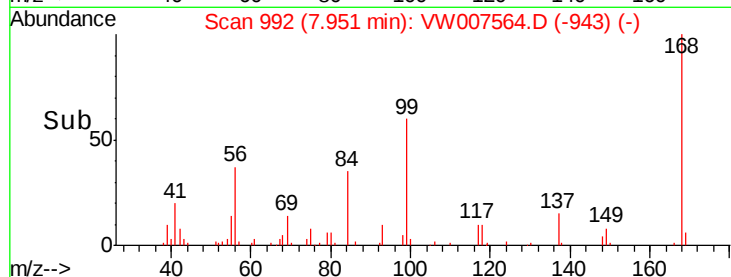
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 50.482 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007564.D

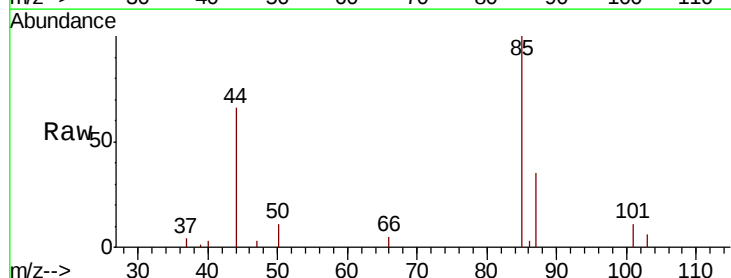
Acq: 15 Dec 2018 05:49

Tgt Ion: 85 Resp: 12996

Ion Ratio Lower Upper

85 100

87 35.4 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

4000

3000

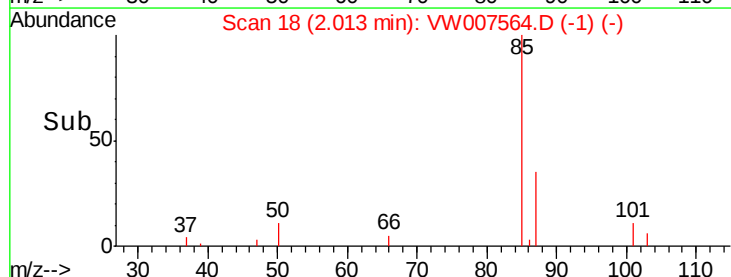
2000

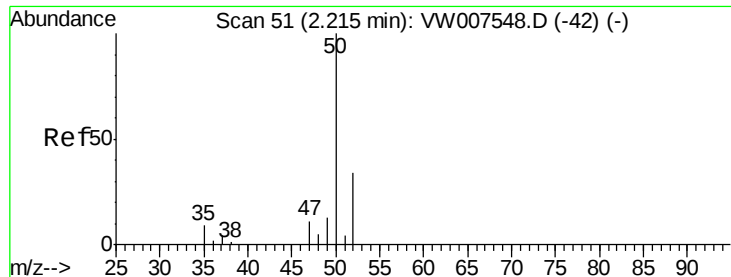
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 55.415 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

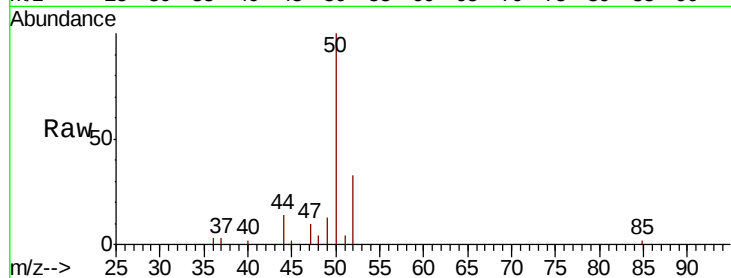
P001-SS015-0612-01MSD

Tgt Ion: 50 Resp: 11948

Ion Ratio Lower Upper

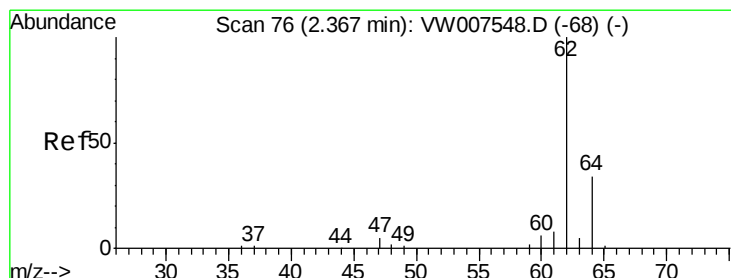
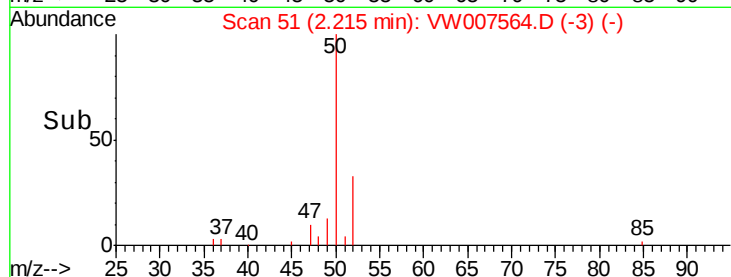
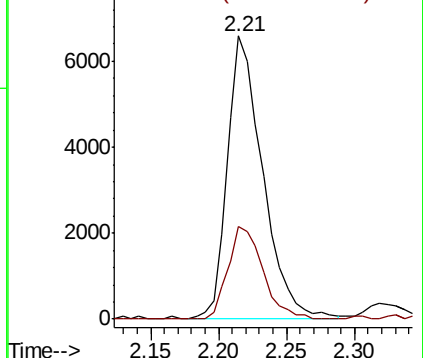
50 100

52 32.5 27.4 41.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 53.501 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007564.D

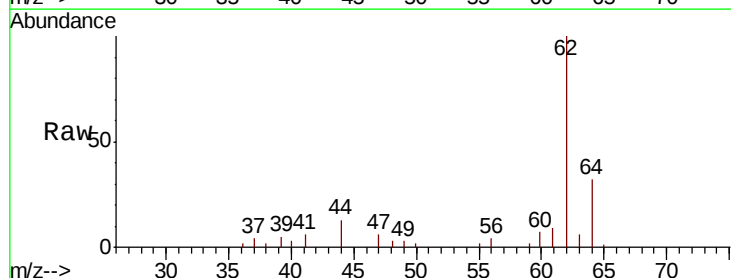
Acq: 15 Dec 2018 05:49

Tgt Ion: 62 Resp: 13537

Ion Ratio Lower Upper

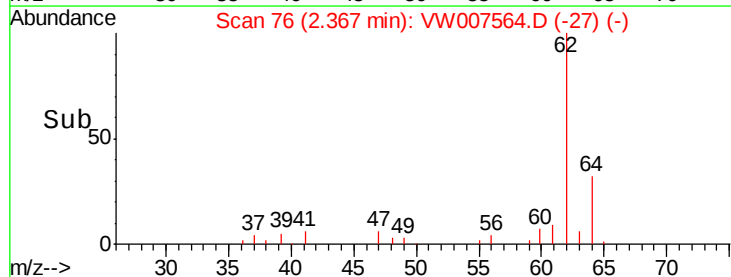
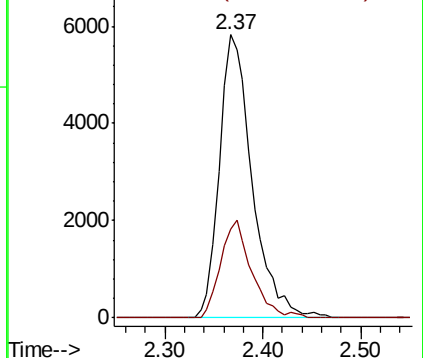
62 100

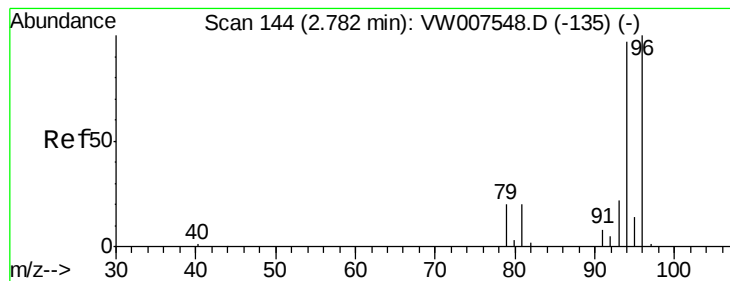
64 31.5 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 59.476 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

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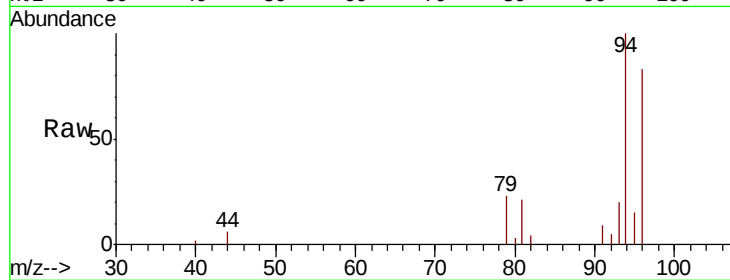
P001-SS015-0612-01MSD

Tgt Ion: 94 Resp: 10111

Ion Ratio Lower Upper

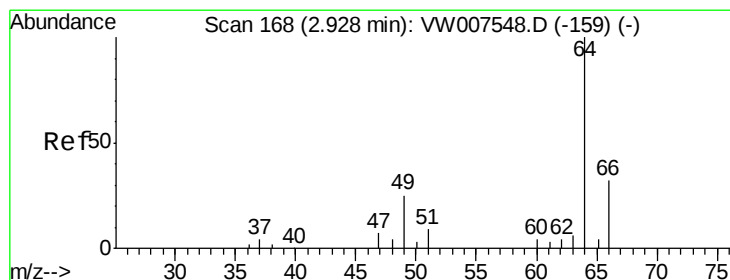
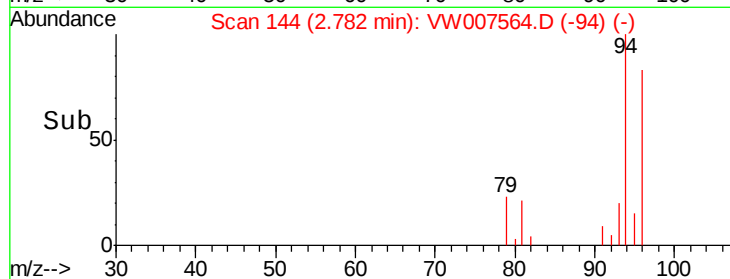
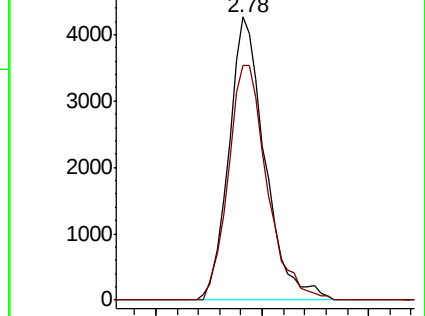
94 100

96 82.9 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 61.466 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007564.D

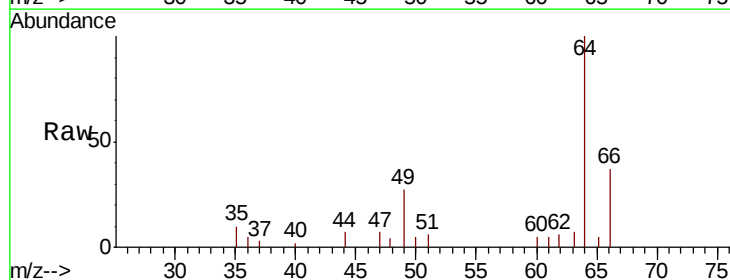
Acq: 15 Dec 2018 05:49

Tgt Ion: 64 Resp: 8561

Ion Ratio Lower Upper

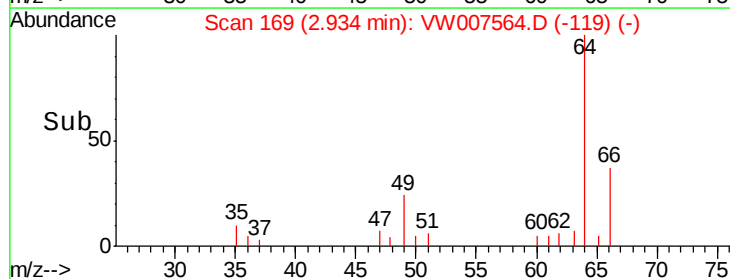
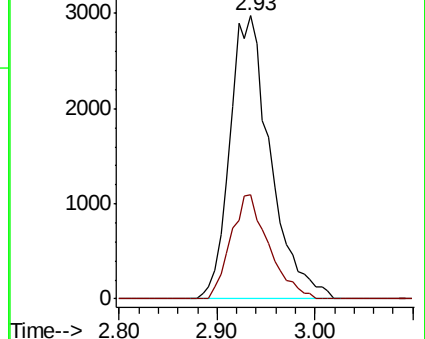
64 100

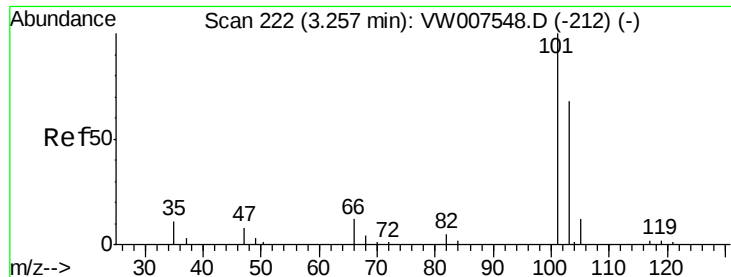
66 36.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



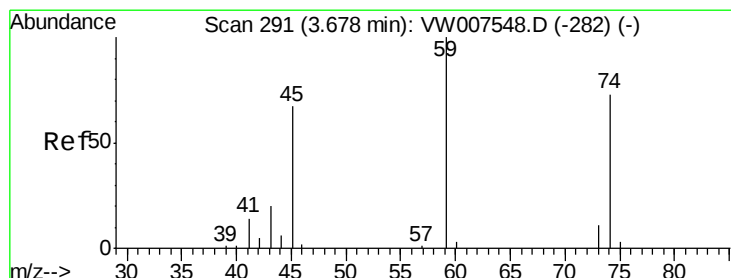
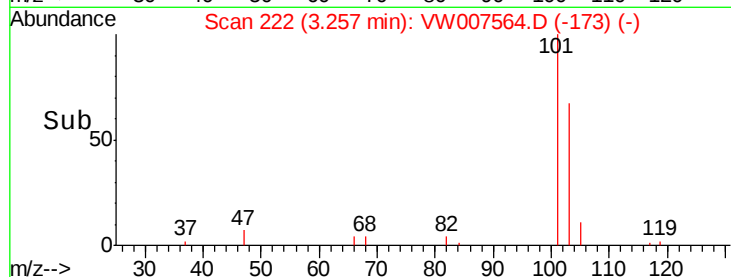
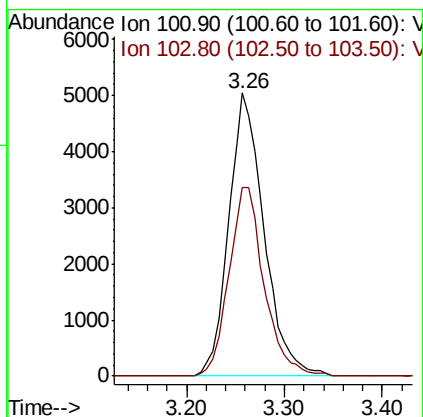
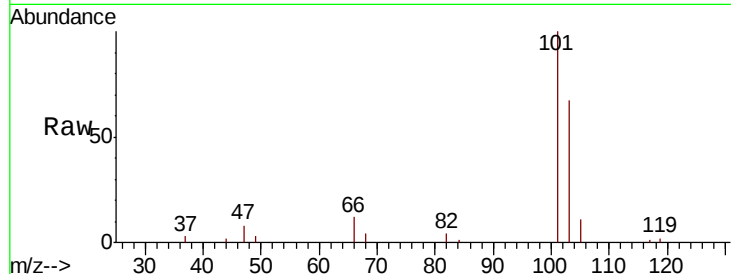


#7

Trichlorofluoromethane
 Concen: 55.403 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007564.D
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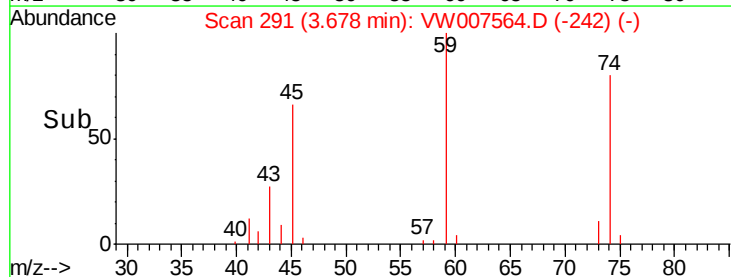
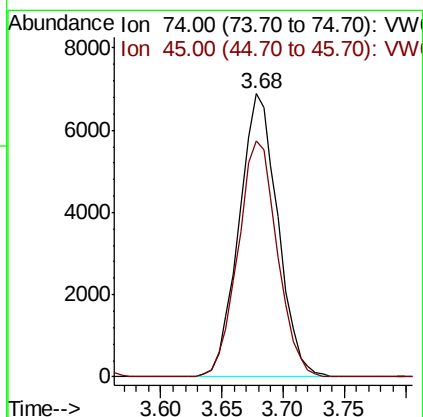
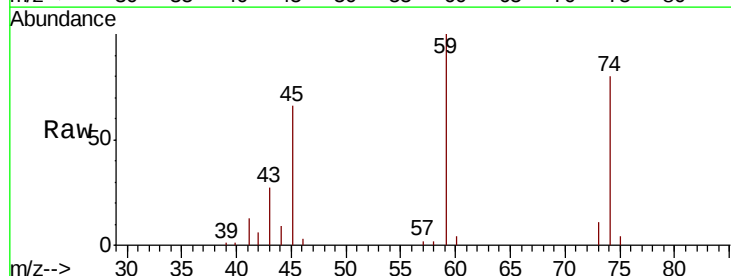
Tgt Ion: 101 Resp: 12603
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.7 77.5

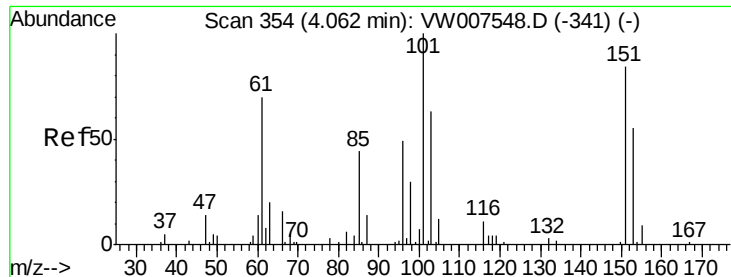


#8

Diethyl Ether
 Concen: 85.025 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 74 Resp: 15138
 Ion Ratio Lower Upper
 74 100
 45 84.4 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.292 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.02 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

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P001-SS015-0612-01MSD

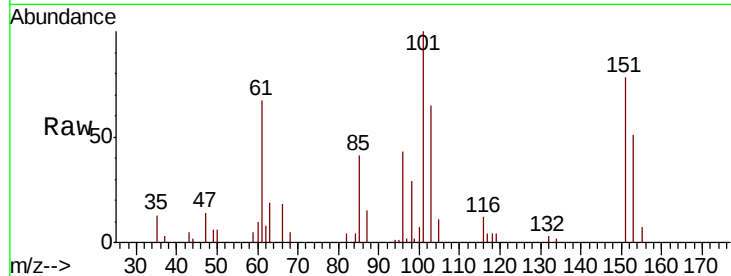
Tgt Ion:101 Resp: 15499

Ion Ratio Lower Upper

101 100

85 45.8 33.9 50.9

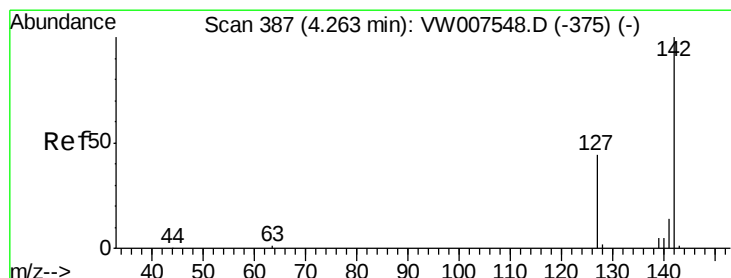
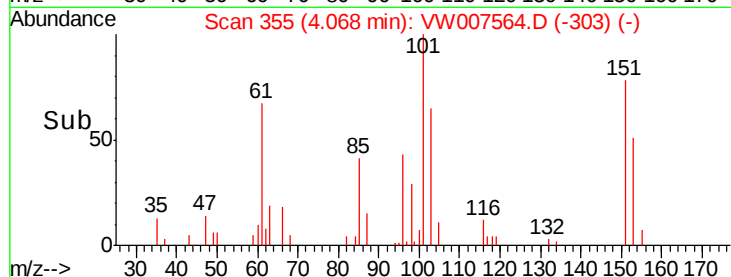
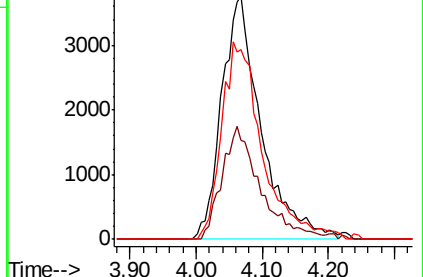
151 83.5 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.983 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

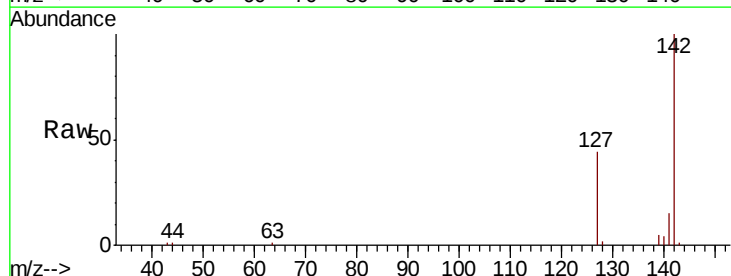
Tgt Ion:142 Resp: 32937

Ion Ratio Lower Upper

142 100

127 46.6 35.8 53.6

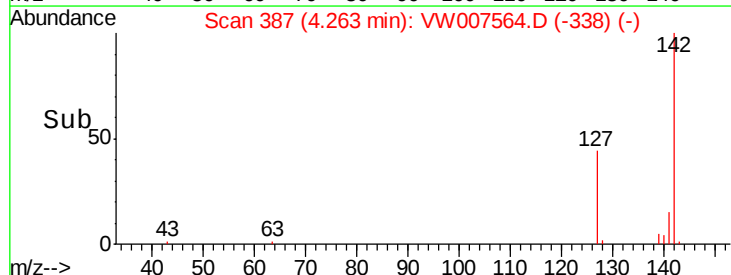
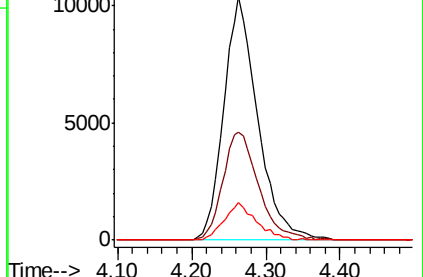
141 14.5 11.1 16.7

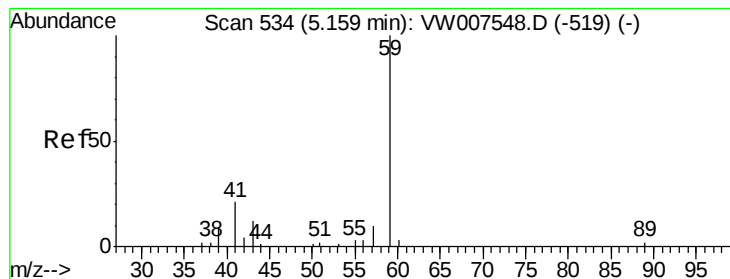


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



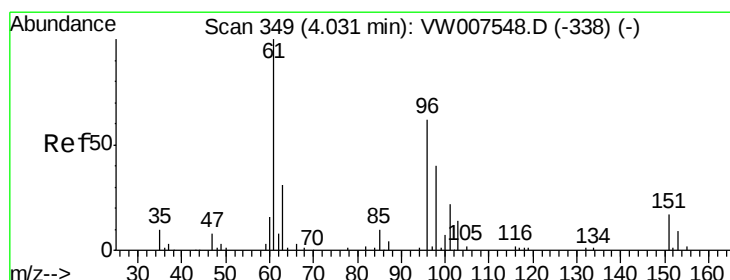
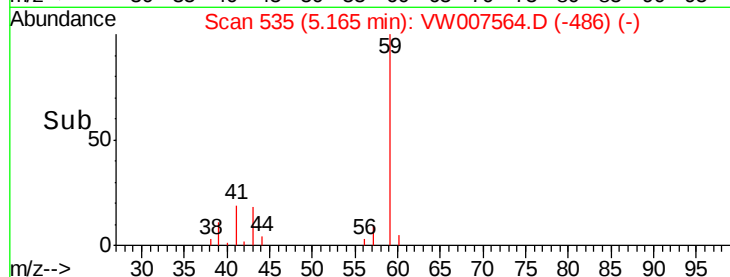
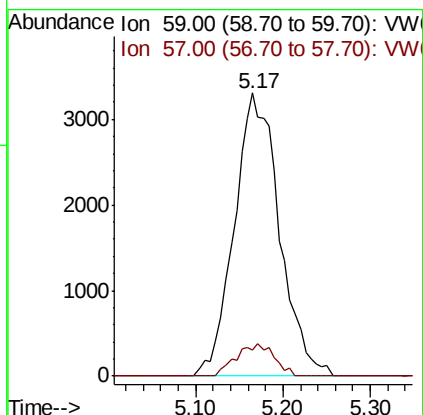
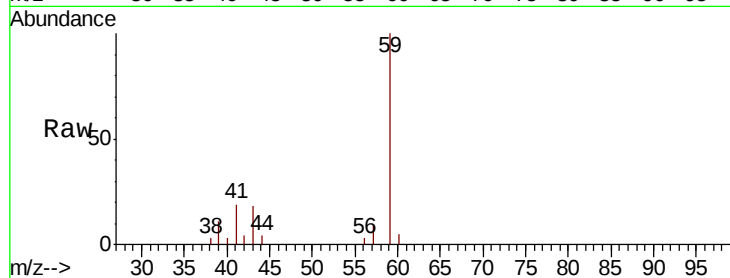


#11

Tert butyl alcohol
 Concen: 421.985 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

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

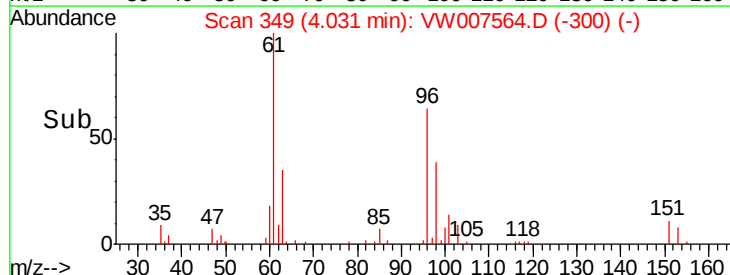
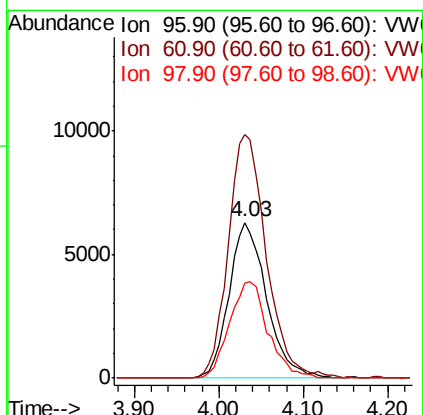
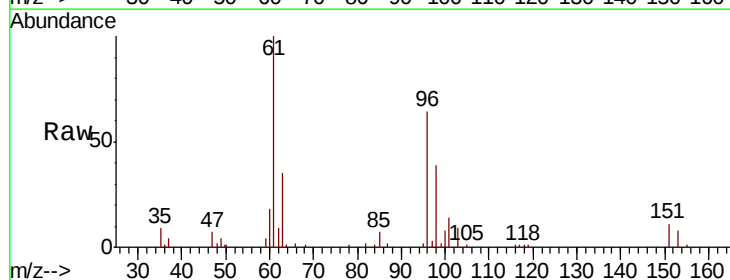
Tgt Ion: 59 Resp: 11845
 Ion Ratio Lower Upper
 59 100
 57 4.8 7.6 11.4#

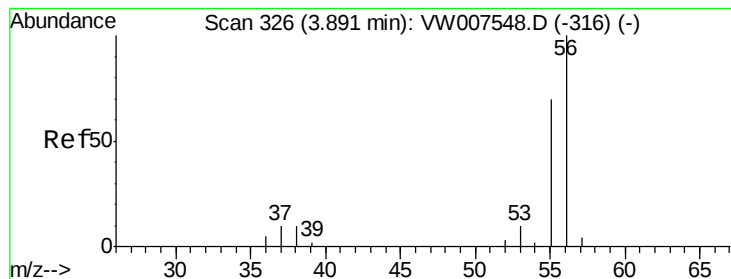


#12

1,1-Dichloroethene
 Concen: 52.630 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 96 Resp: 19020
 Ion Ratio Lower Upper
 96 100
 61 156.4 126.2 189.2
 98 61.2 48.3 72.5





#13

Acrolein

Concen: 56.155 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

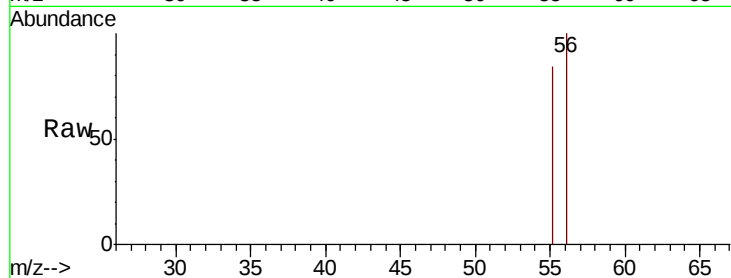
P001-SS015-0612-01MSD

Tgt Ion: 56 Resp: 1043

Ion Ratio Lower Upper

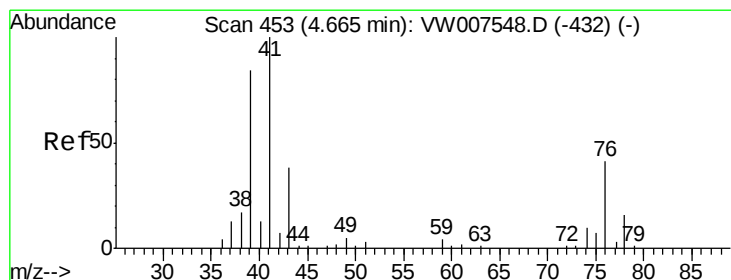
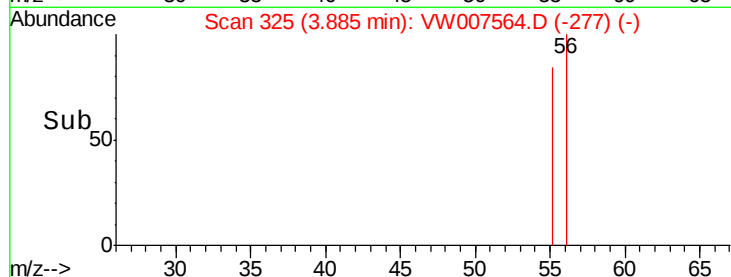
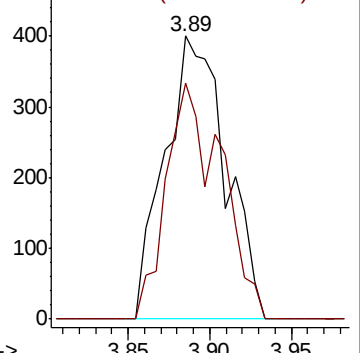
56 100

55 74.9 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 59.910 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

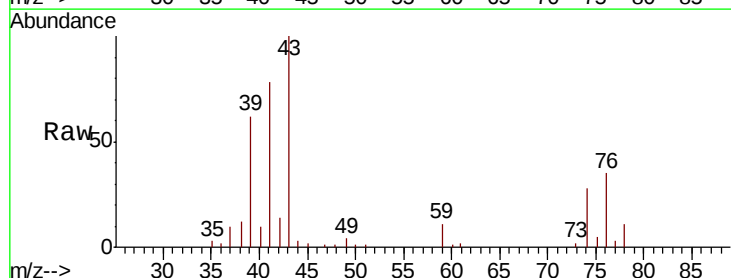
Tgt Ion: 41 Resp: 31914

Ion Ratio Lower Upper

41 100

39 77.9 63.4 95.2

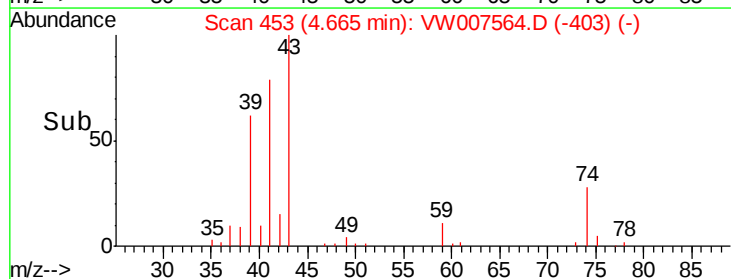
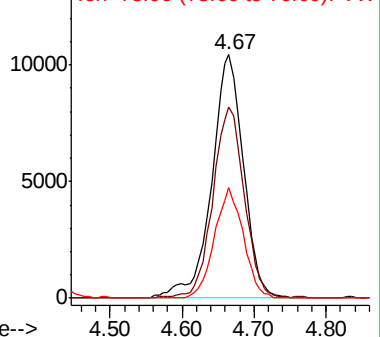
76 41.1 32.1 48.1

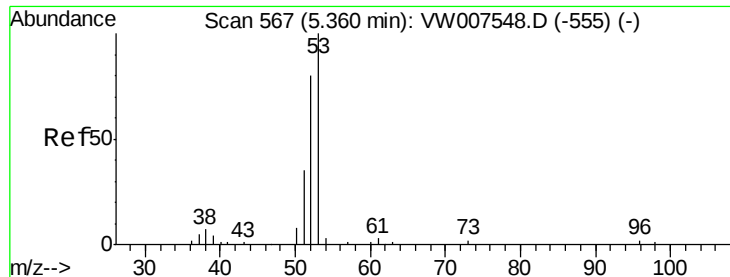


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 334.700 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

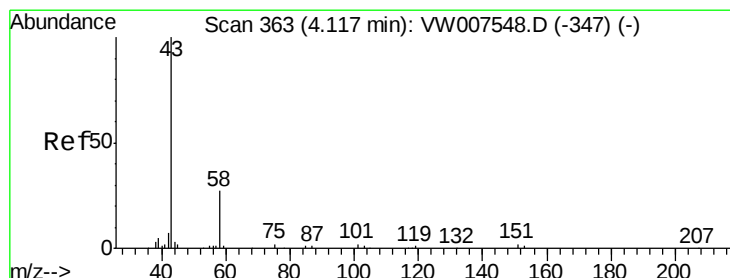
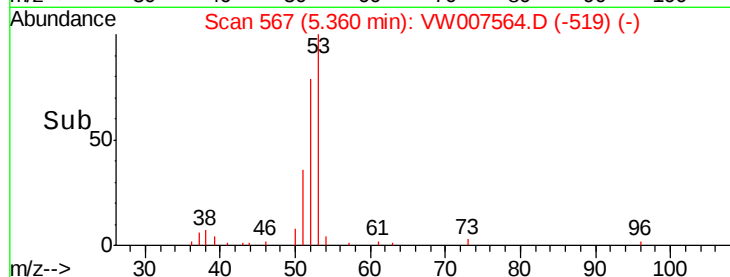
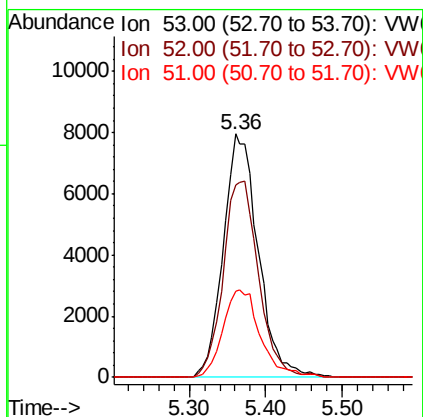
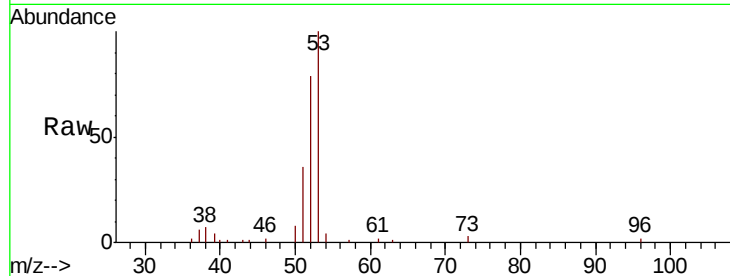
Tgt Ion: 53 Resp: 25121

Ion Ratio Lower Upper

53 100

52 81.4 67.4 101.2

51 38.5 30.2 45.2



#16

Acetone

Concen: 423.073 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007564.D

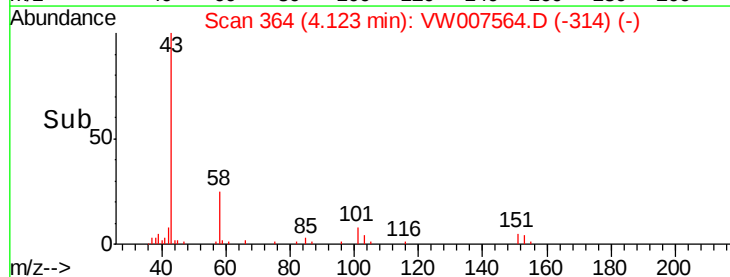
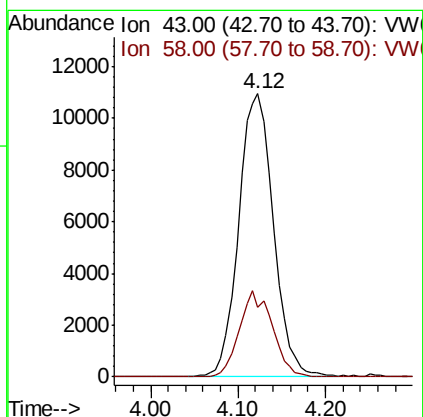
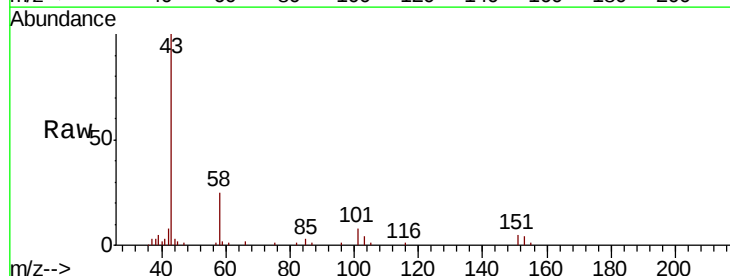
Acq: 15 Dec 2018 05:49

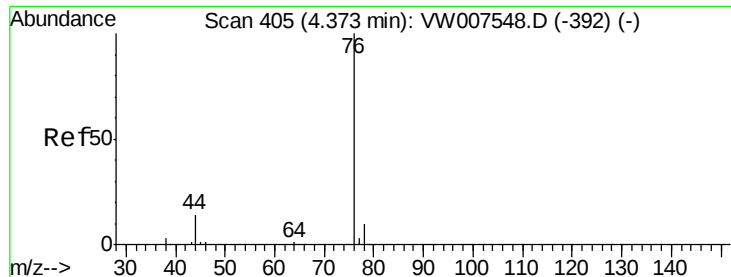
Tgt Ion: 43 Resp: 30203

Ion Ratio Lower Upper

43 100

58 24.8 24.9 37.3#

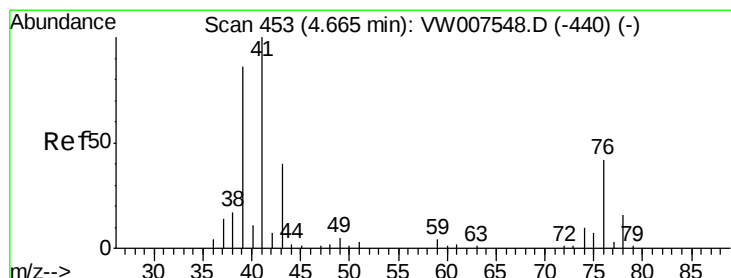
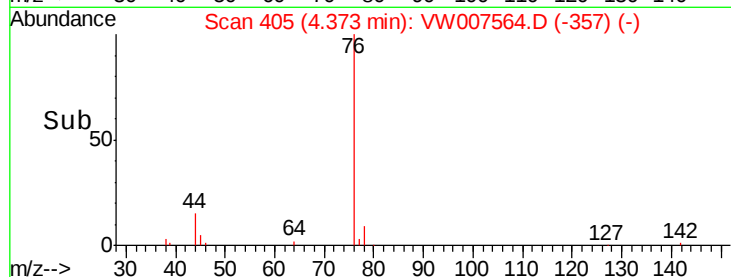
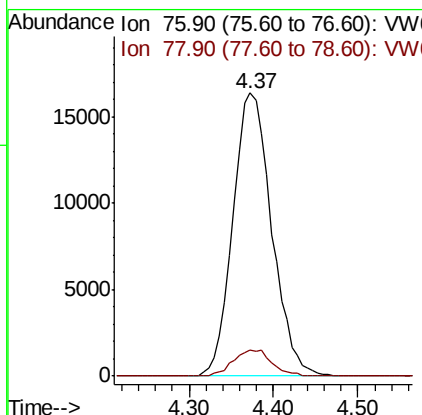
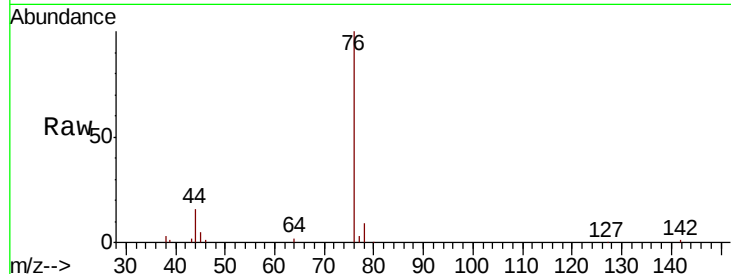




#17
Carbon Disulfide
Concen: 46.618 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

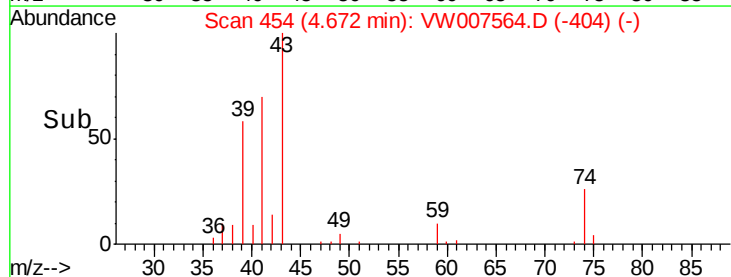
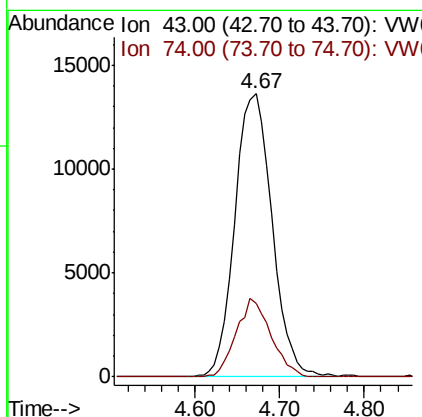
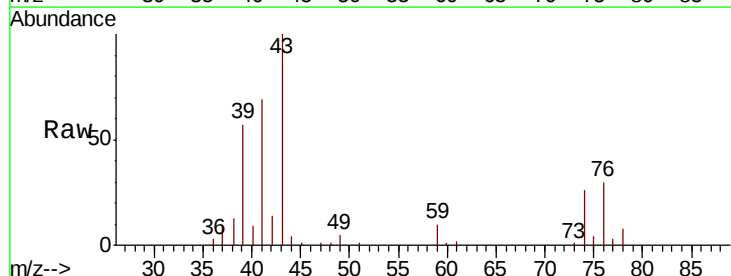
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MSD

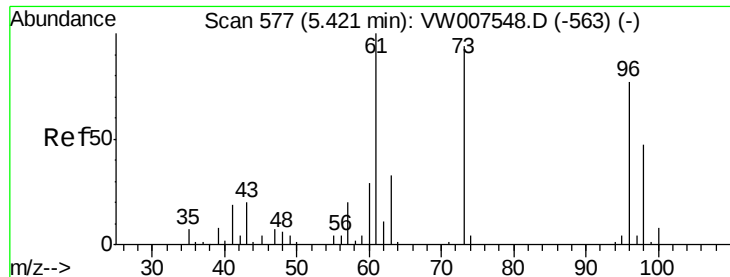
Tgt Ion: 76 Resp: 51082
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 210.840 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion: 43 Resp: 40852
Ion Ratio Lower Upper
43 100
74 25.5 21.1 31.7



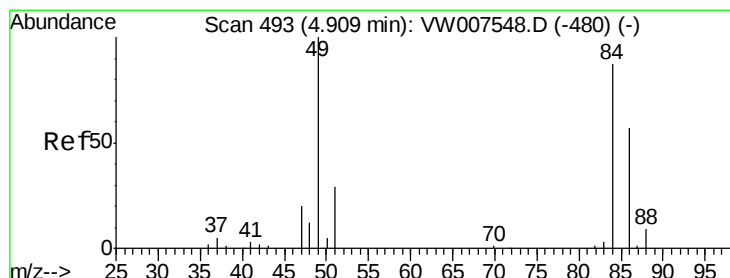
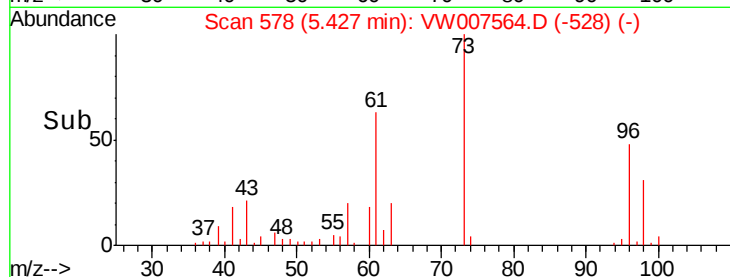
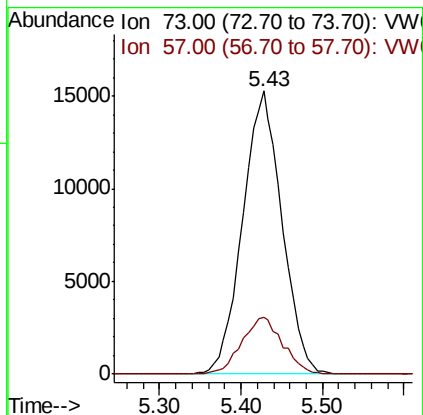
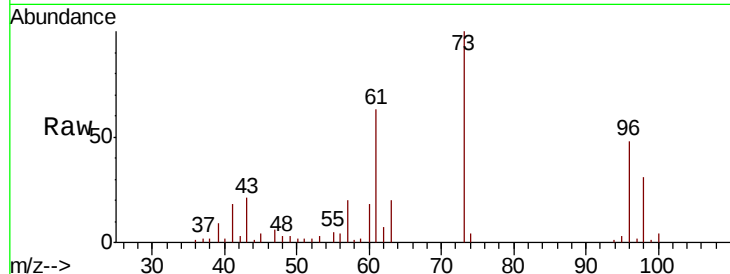


#19

Methyl tert-butyl Ether
 Concen: 93.811 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

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

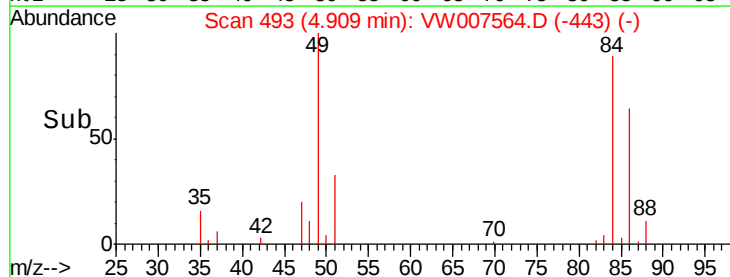
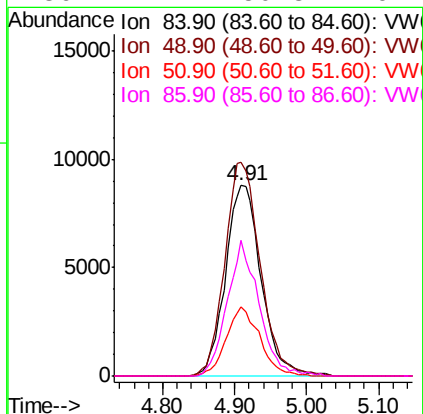
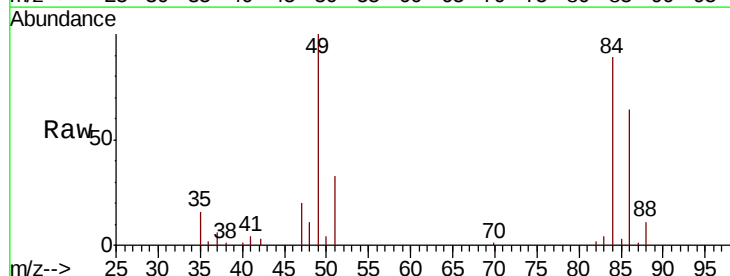
Tgt Ion: 73 Resp: 51144
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.4 24.6

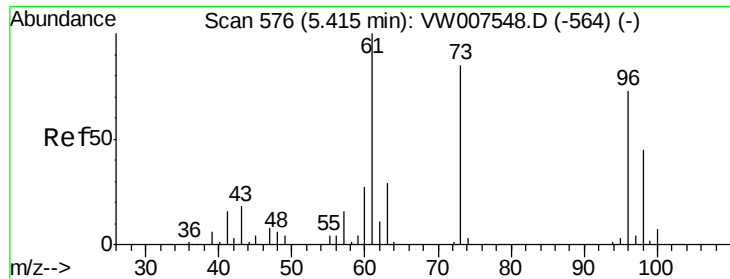


#20

Methylene Chloride
 Concen: 79.736 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 84 Resp: 30219
 Ion Ratio Lower Upper
 84 100
 49 112.3 87.1 130.7
 51 36.6 28.2 42.2
 86 71.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 57.546 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007564.D

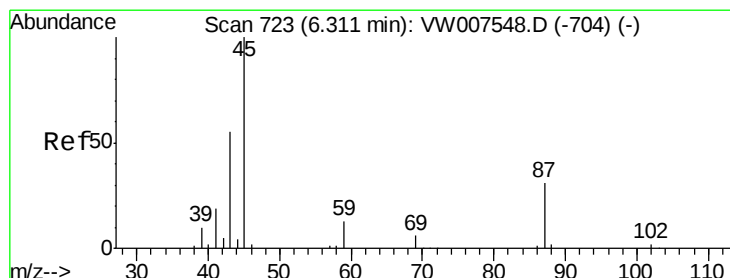
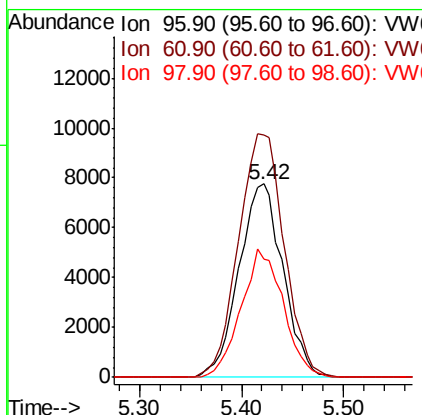
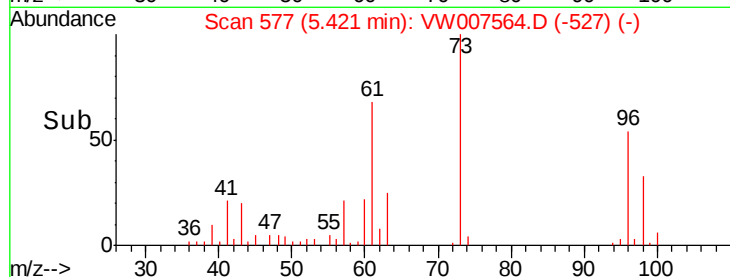
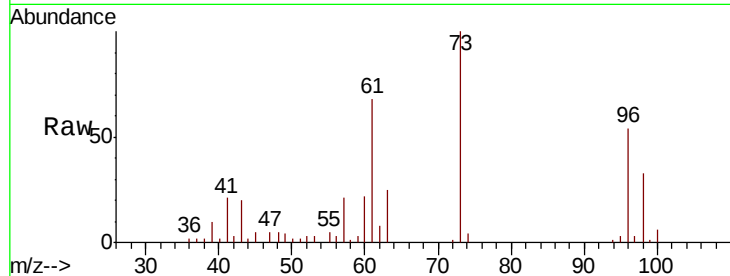
Acq: 15 Dec 2018 05:49

Instrument :
MSVOA_W

ClientSampleId :
P001-SS015-0612-01MSD

Tgt Ion: 96 Resp: 23264

Ion	Ratio	Lower	Upper
96	100		
61	125.5	105.0	157.6
98	61.3	49.7	74.5



#22

Diisopropyl ether

Concen: 76.667 ug/l

RT: 6.31 min Scan# 723

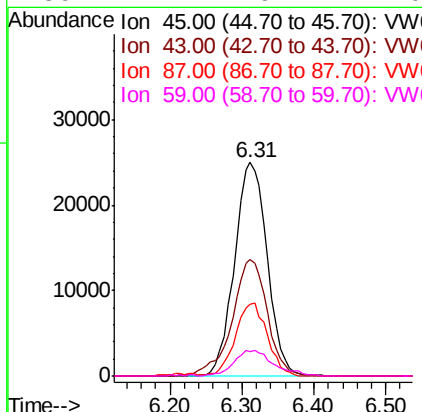
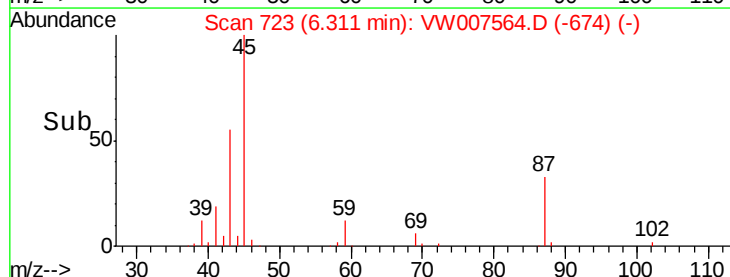
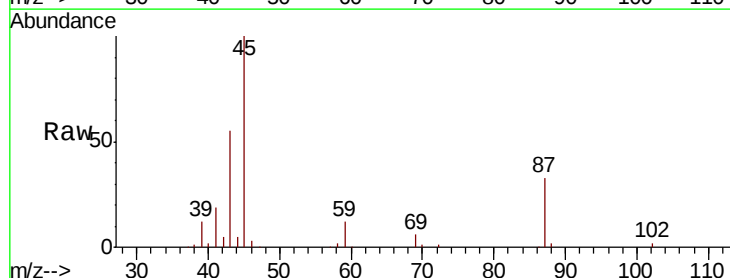
Delta R.T. -0.00 min

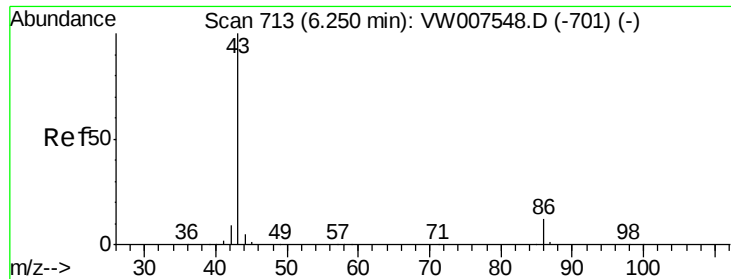
Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Tgt Ion: 45 Resp: 78501

Ion	Ratio	Lower	Upper
45	100		
43	54.6	41.6	62.4
87	33.3	24.3	36.5
59	11.7	9.4	14.0

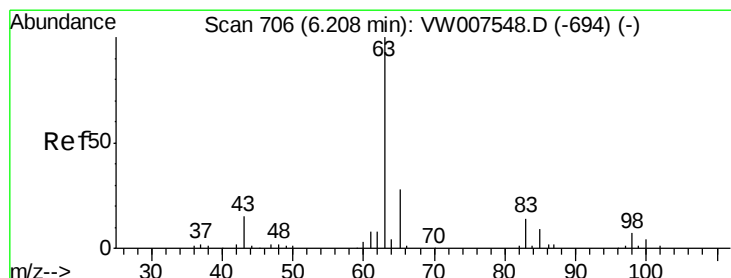
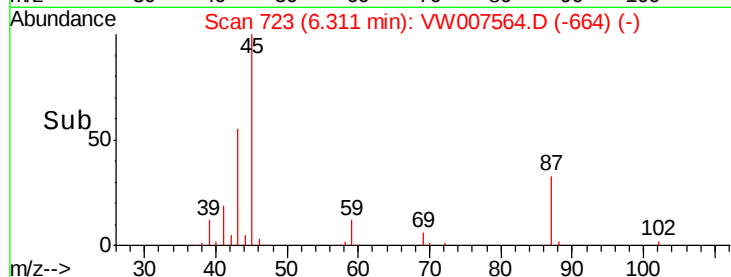
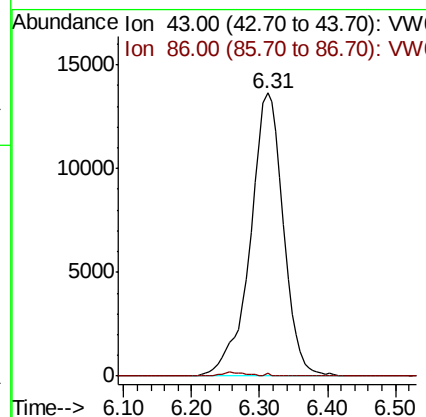
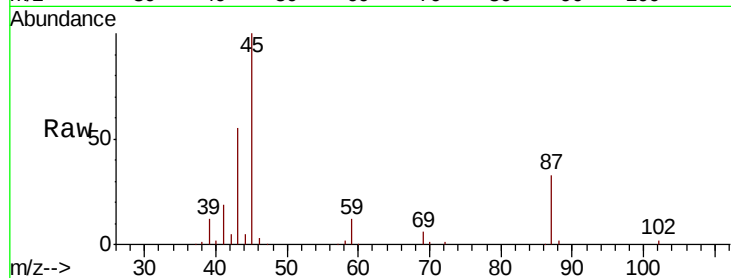




#23
 Vinyl Acetate
 Concen: 80.587 ug/l
 RT: 6.31 min Scan# 723
 Delta R.T. 0.06 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

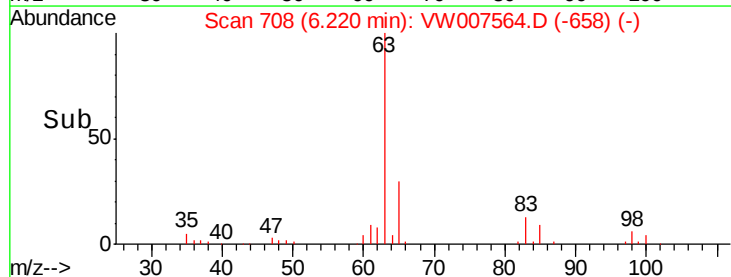
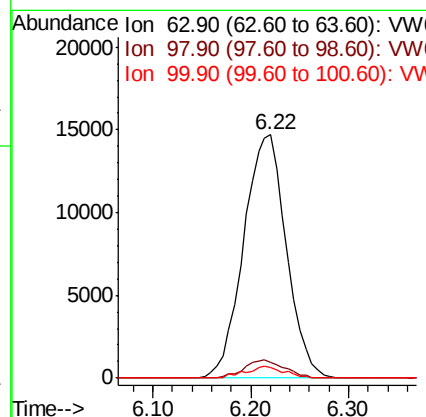
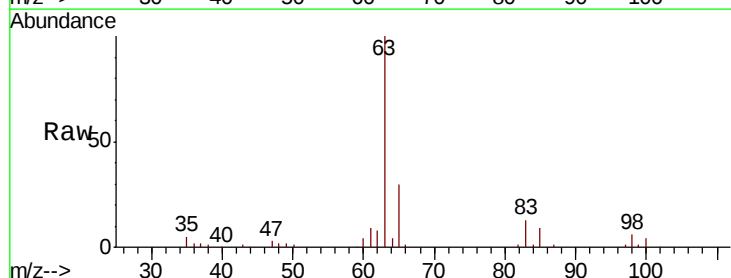
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

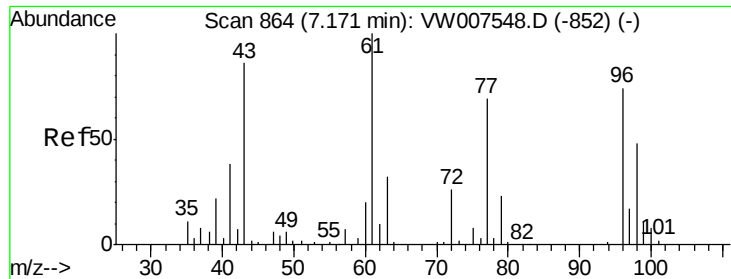
Tgt Ion: 43 Resp: 46153
 Ion Ratio Lower Upper
 43 100
 86 0.9 8.6 12.8#



#24
 1,1-Dichloroethane
 Concen: 64.440 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 63 Resp: 44594
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.4
 100 4.1 2.5 7.5





#25

2-Butanone

Concen: 365.593 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

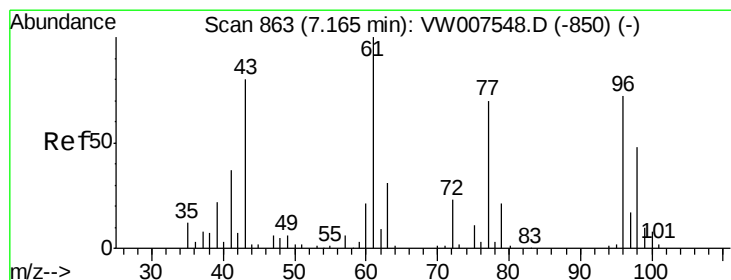
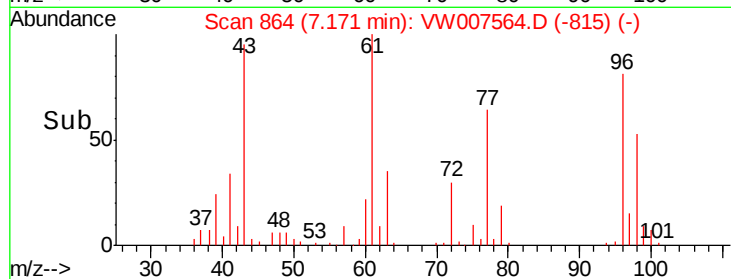
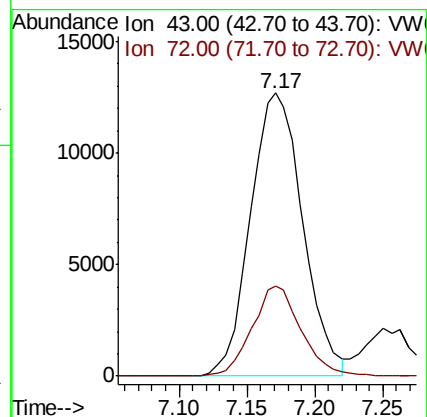
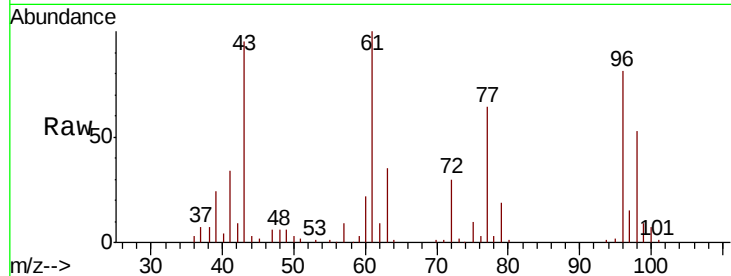
P001-SS015-0612-01MSD

Tgt Ion: 43 Resp: 34073

Ion Ratio Lower Upper

43 100

72 31.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 54.887 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007564.D

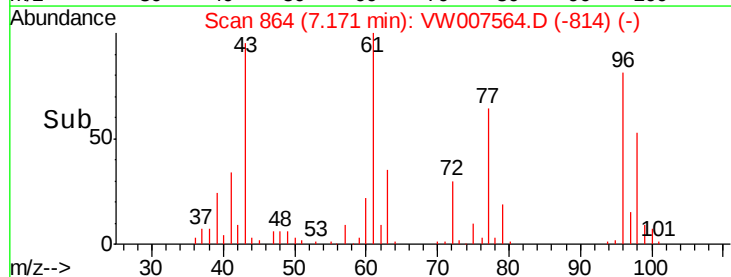
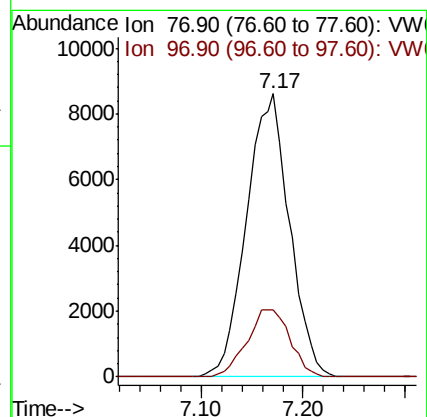
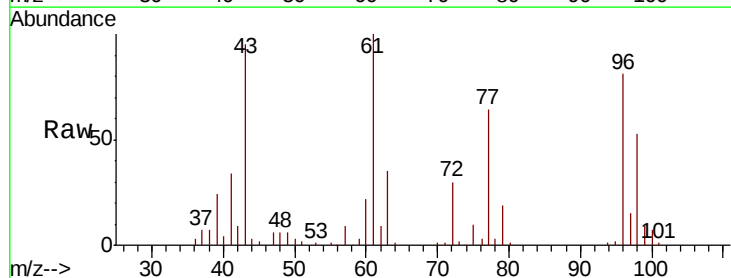
Acq: 15 Dec 2018 05:49

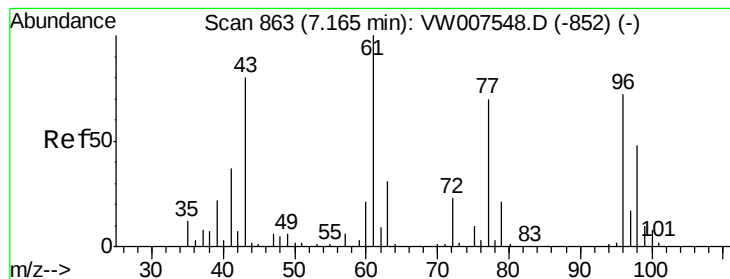
Tgt Ion: 77 Resp: 25138

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8



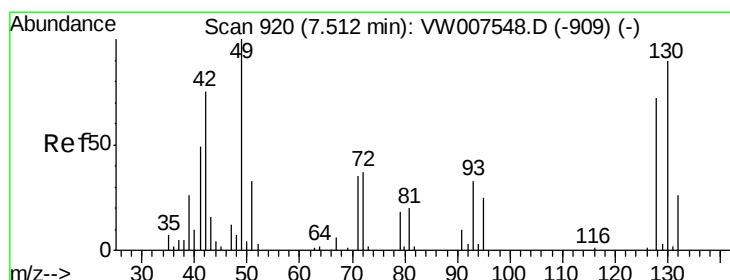
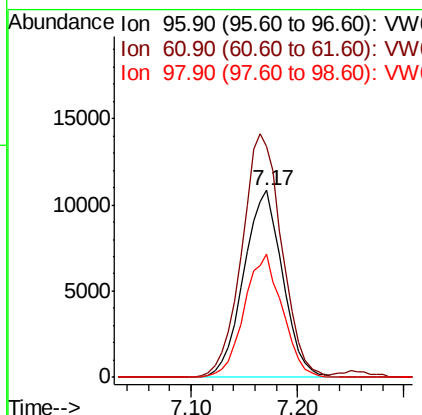
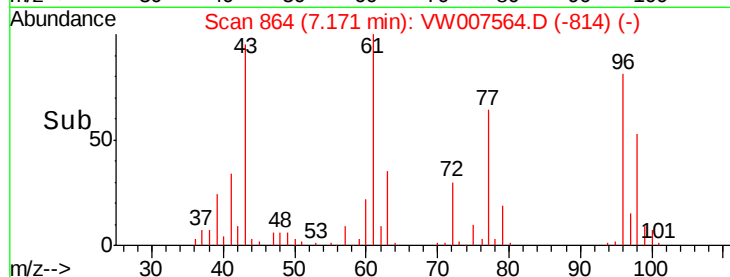
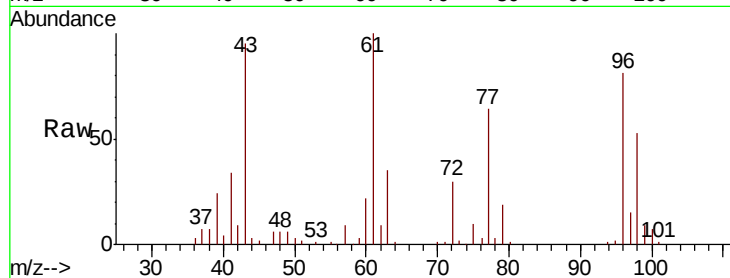


#27

cis-1,2-Dichloroethene
Concen: 62.807 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

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

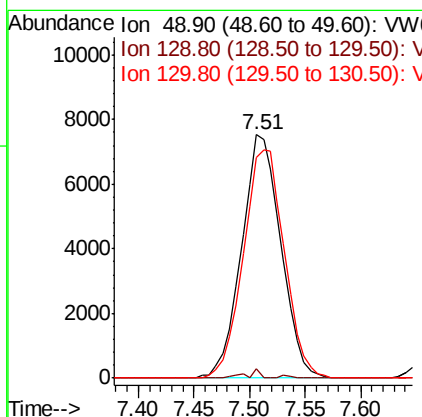
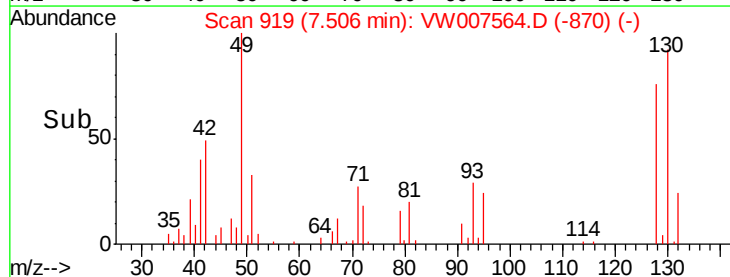
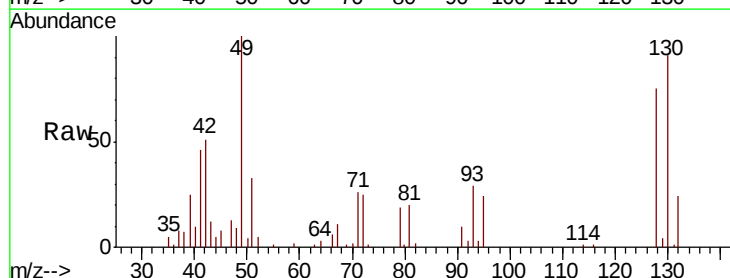
Tgt Ion: 96 Resp: 27802
Ion Ratio Lower Upper
96 100
61 133.4 0.0 268.4
98 64.5 0.0 127.8

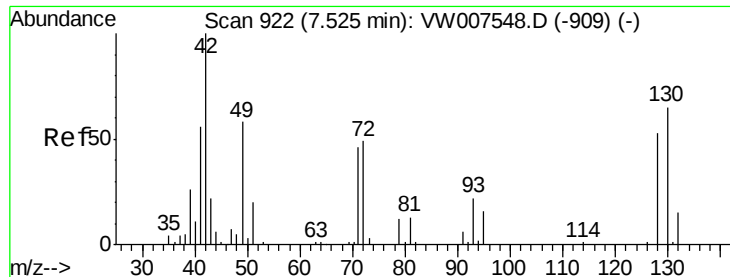


#28

Bromochloromethane
Concen: 70.783 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion: 49 Resp: 18425
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.6
130 98.1 75.9 113.9





#29

Tetrahydrofuran

Concen: 448.380 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

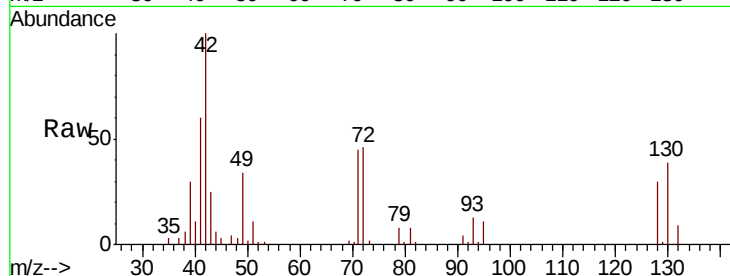
Tgt Ion: 42 Resp: 26455

Ion Ratio Lower Upper

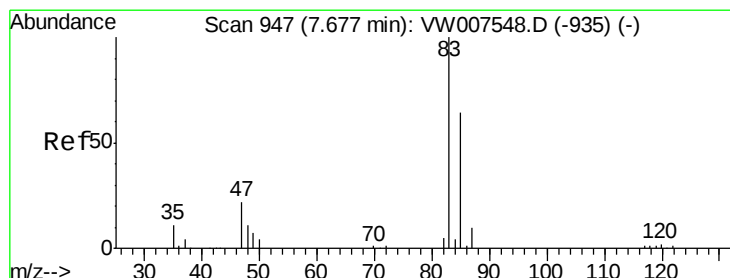
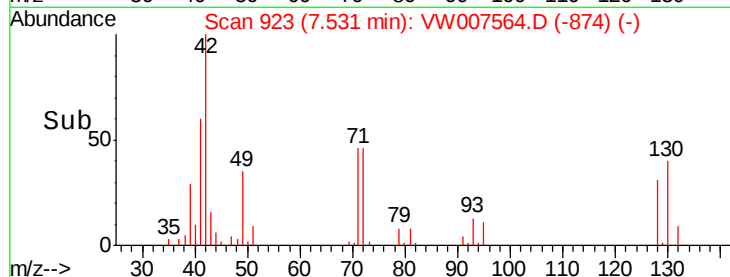
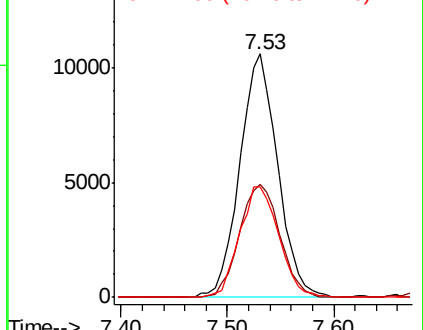
42 100

72 49.4 38.2 57.4

71 47.2 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: 65.355 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007564.D

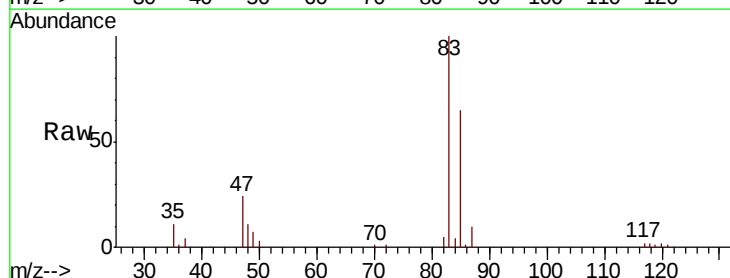
Acq: 15 Dec 2018 05:49

Tgt Ion: 83 Resp: 49218

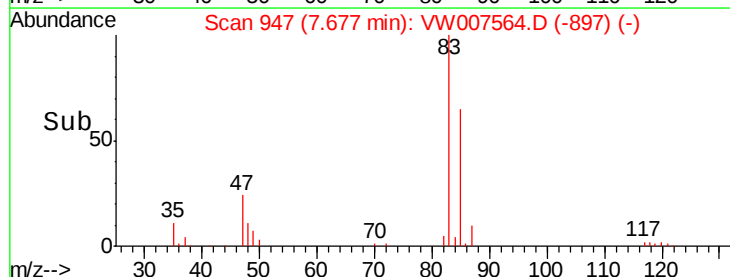
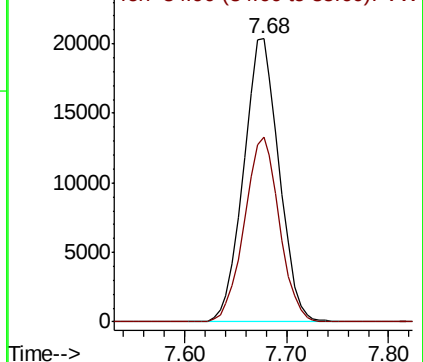
Ion Ratio Lower Upper

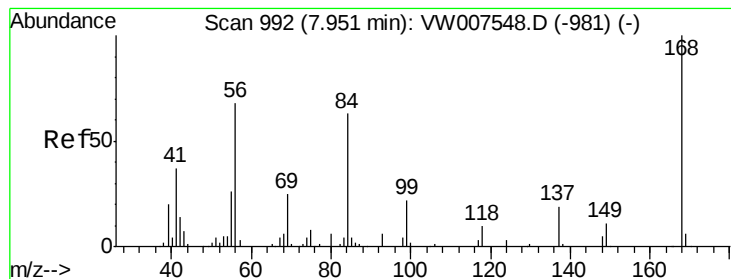
83 100

85 65.2 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: 26.296 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

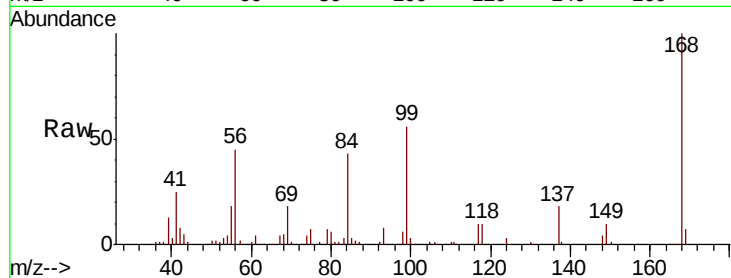
Tgt Ion: 56 Resp: 16696

Ion Ratio Lower Upper

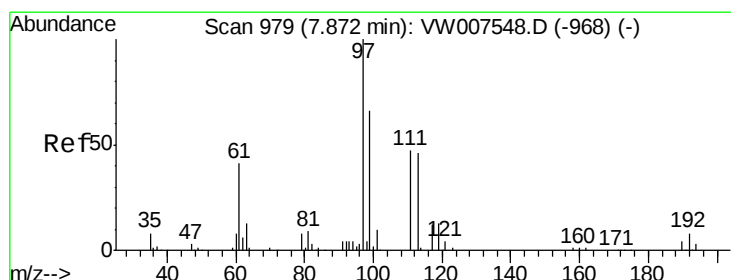
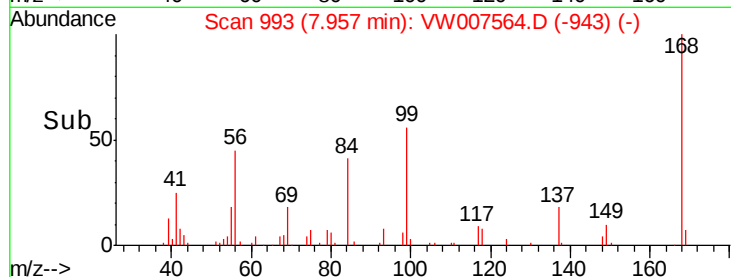
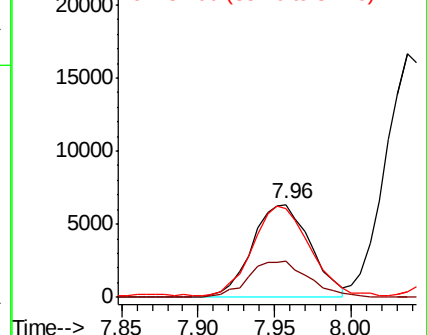
56 100

69 39.1 28.9 43.3

84 94.1 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: 54.029 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

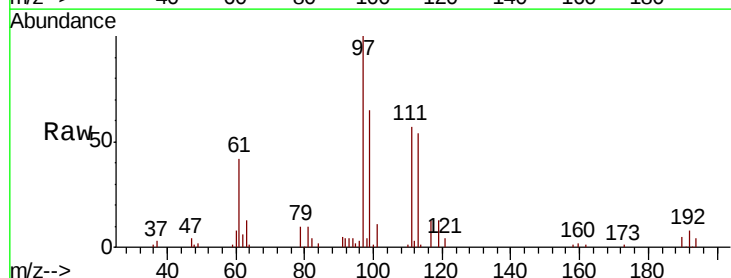
Tgt Ion: 97 Resp: 35681

Ion Ratio Lower Upper

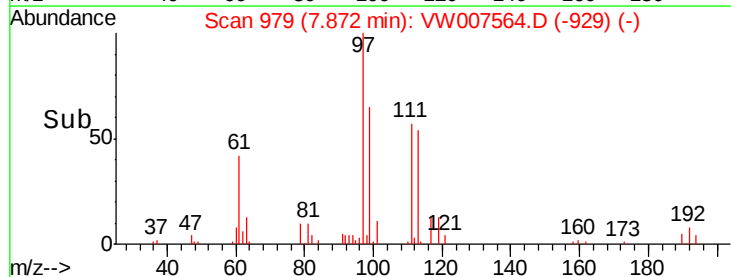
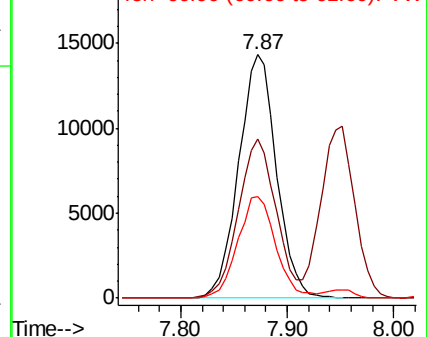
97 100

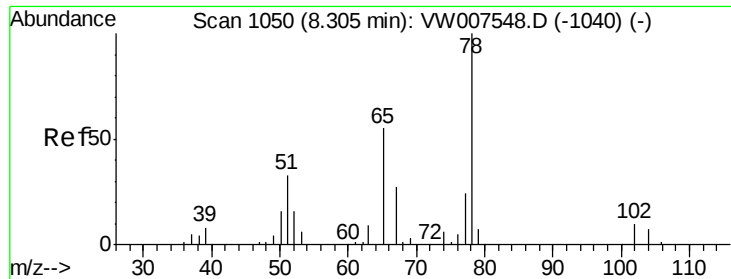
99 64.9 51.1 76.7

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

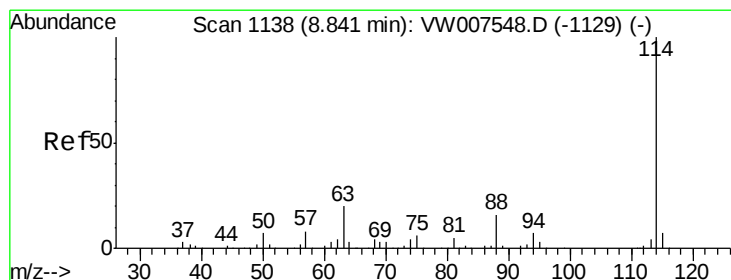
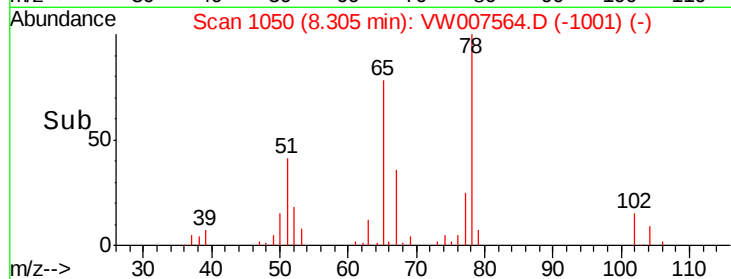
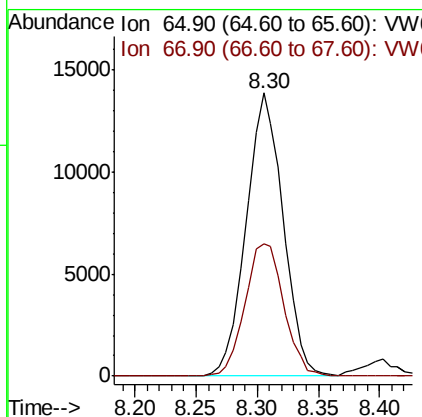
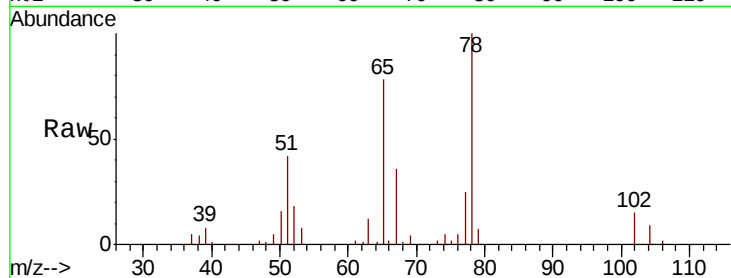




#33
 1,2-Dichloroethane-d4
 Concen: 71.359 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

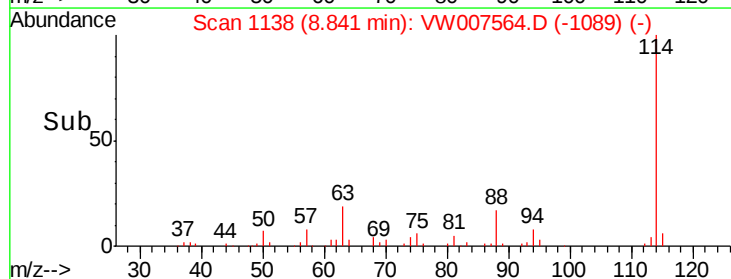
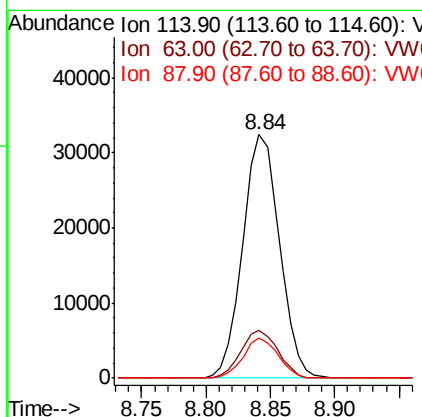
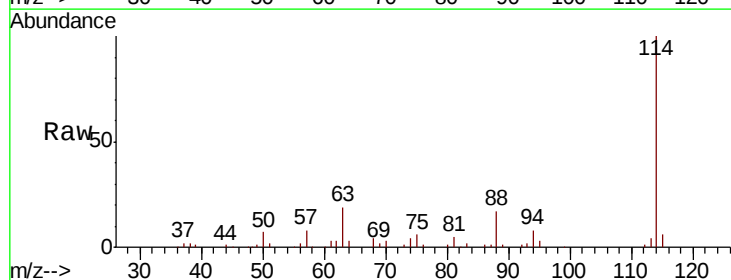
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

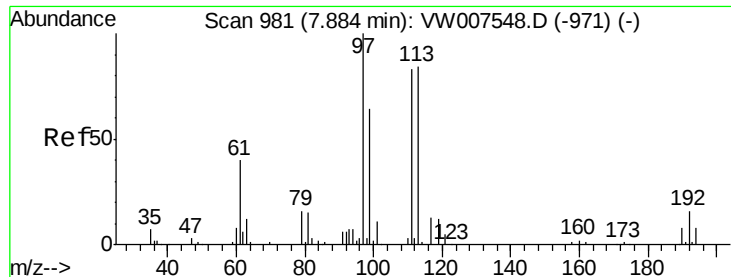
Tgt Ion: 65 Resp: 29165
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 114 Resp: 64004
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 16.6 0.0 31.4

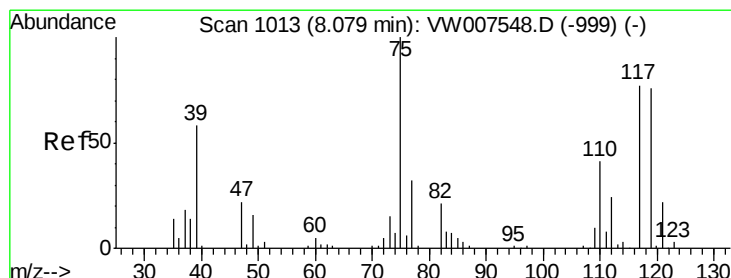
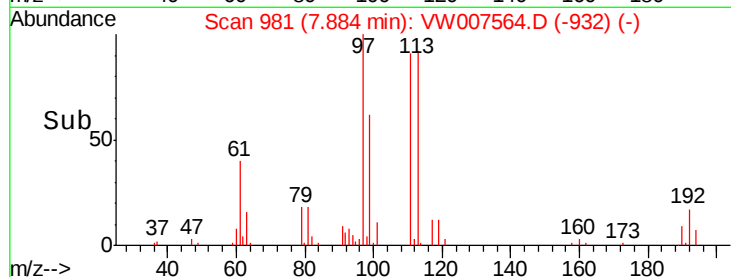
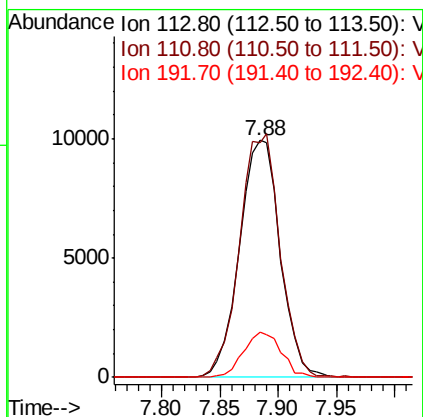
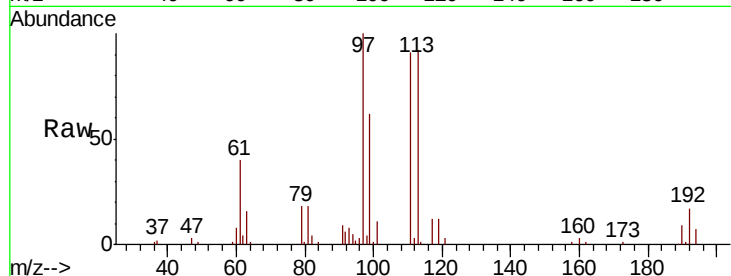




#35
 Dibromofluoromethane
 Concen: 62.365 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

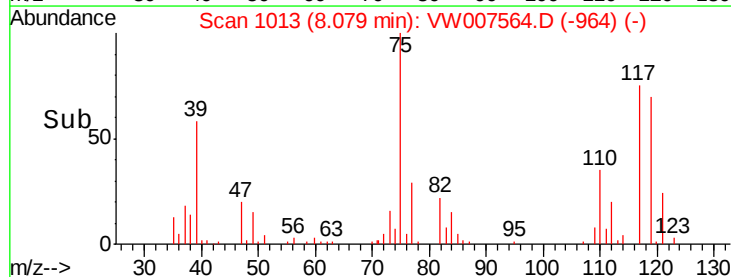
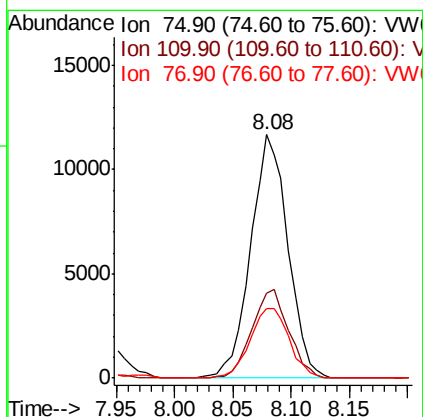
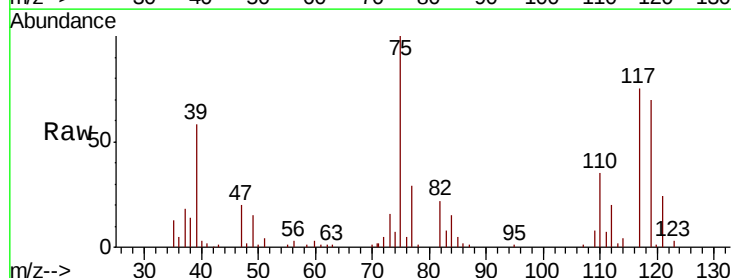
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

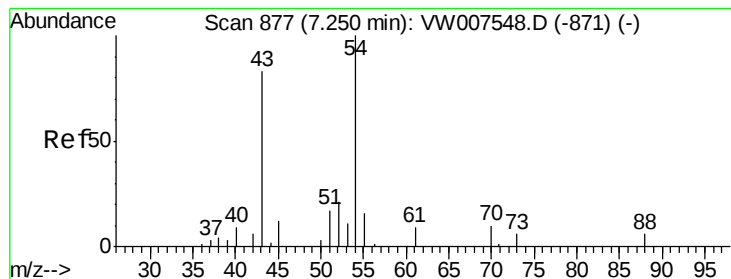
Tgt Ion: 113 Resp: 24163
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.1 121.7
 192 17.8 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 44.267 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 75 Resp: 25846
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.5 55.5
 77 30.2 25.6 38.4





#37

Ethyl Acetate

Concen: 25.354 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

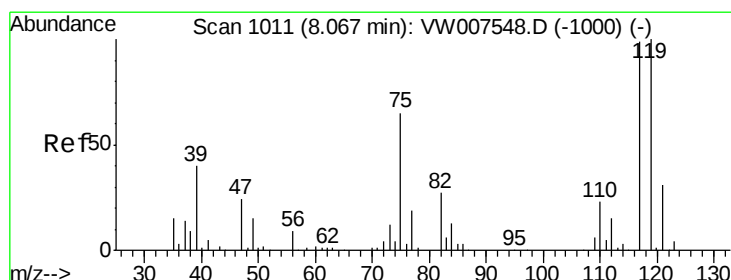
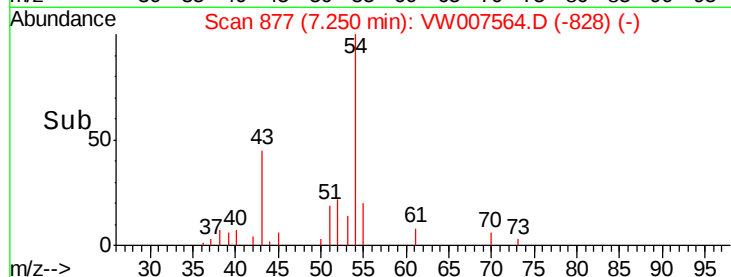
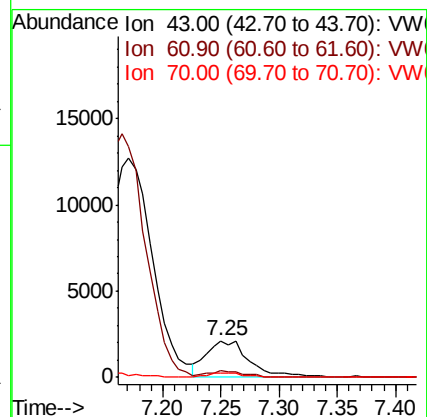
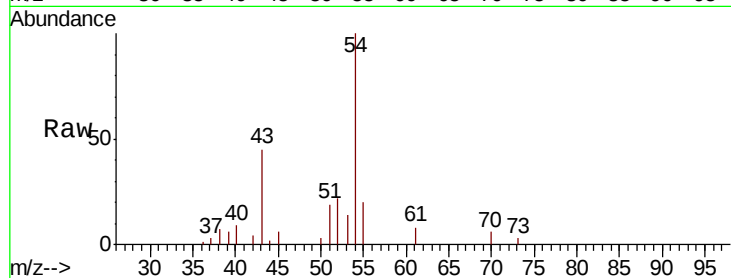
Tgt Ion: 43 Resp: 5506

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 10.1 10.0 15.0



#38

Carbon Tetrachloride

Concen: 45.976 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

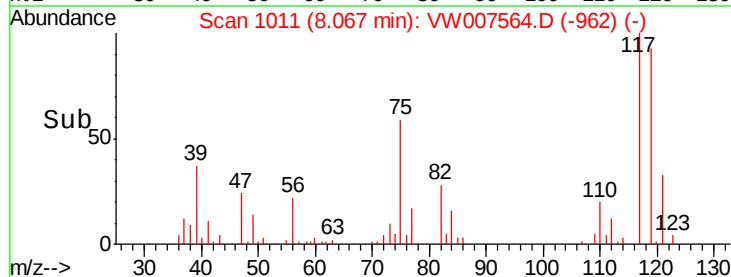
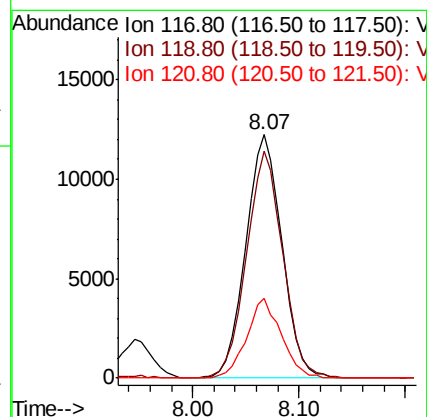
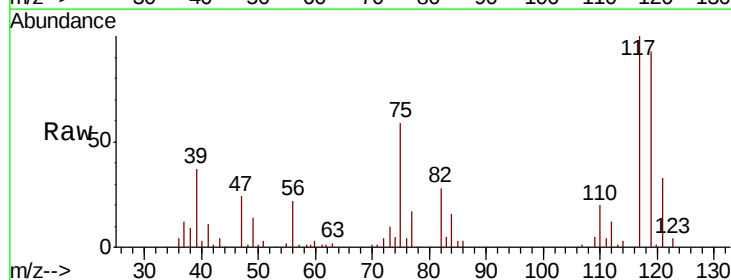
Tgt Ion: 117 Resp: 29208

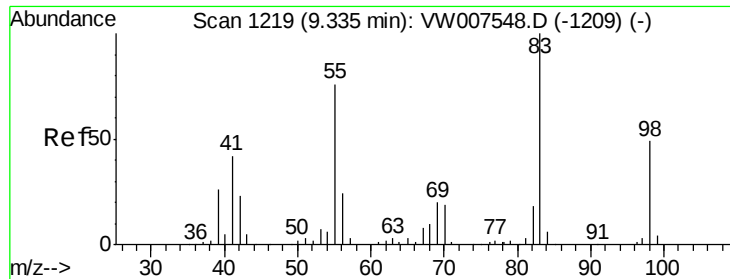
Ion Ratio Lower Upper

117 100

119 93.1 74.3 111.5

121 32.6 24.3 36.5

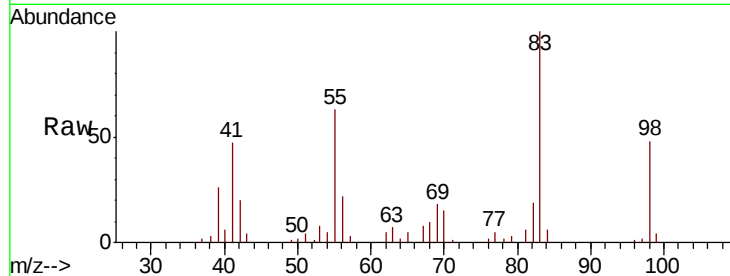




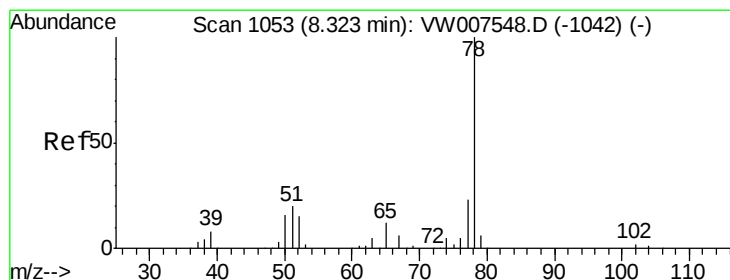
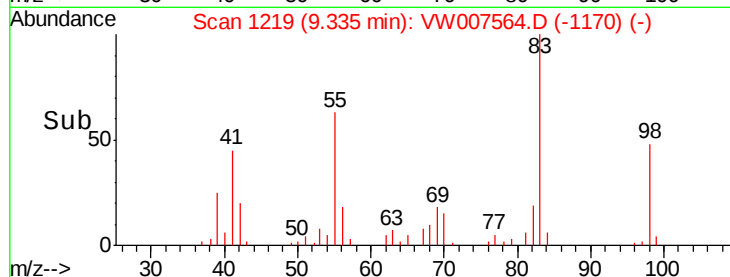
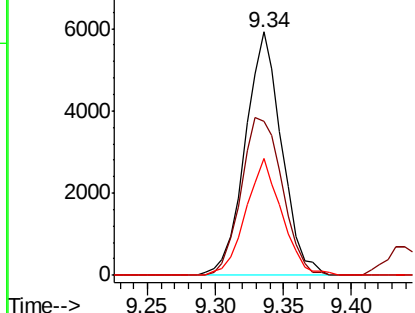
#39
Methylcyclohexane
Concen: 15.702 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

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

Tgt Ion: 83 Resp: 11101
Ion Ratio Lower Upper
83 100
55 63.3 62.8 94.2
98 48.1 42.2 63.2

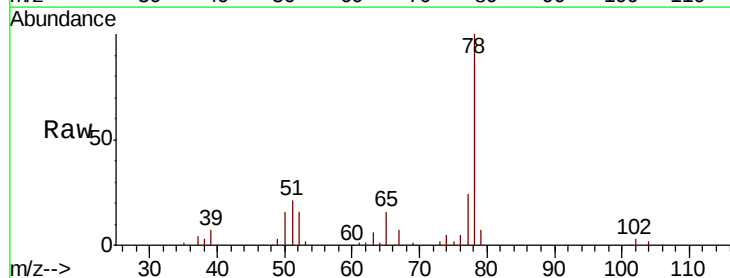


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

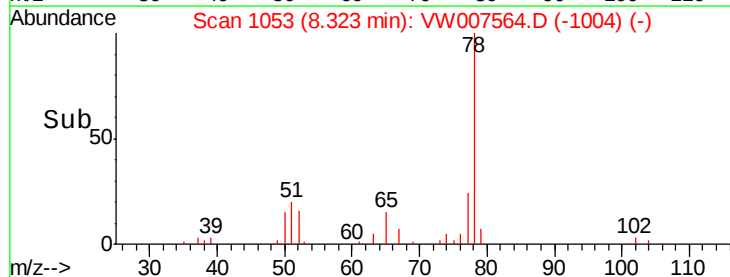
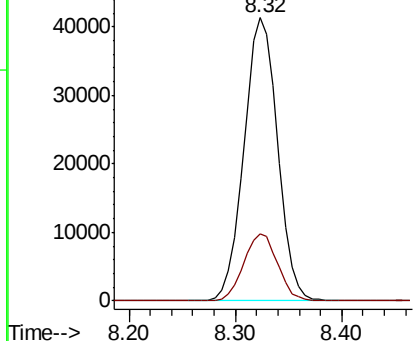


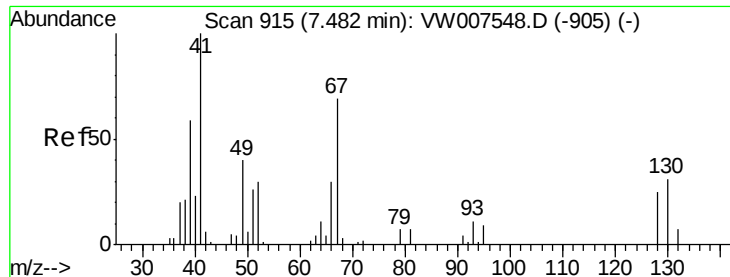
#40
Benzene
Concen: 56.512 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion: 78 Resp: 91568
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



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





#41

Methacrylonitrile

Concen: 181.646 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

Tgt Ion: 41 Resp: 22463

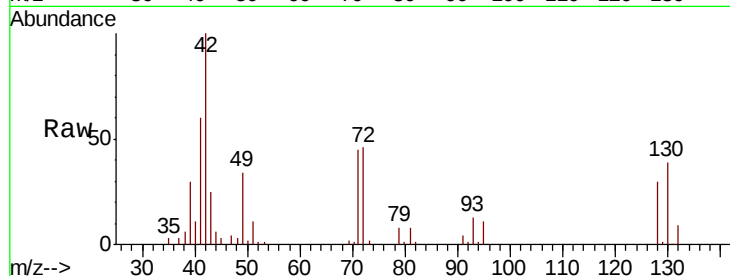
Ion Ratio Lower Upper

41 100

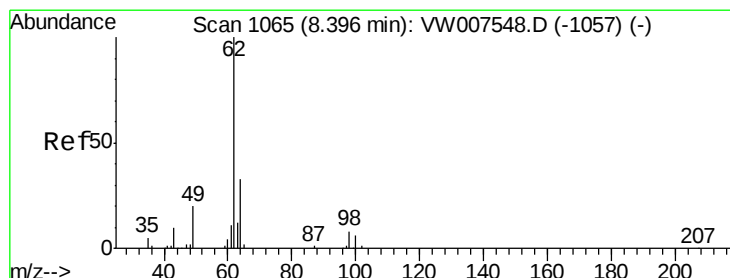
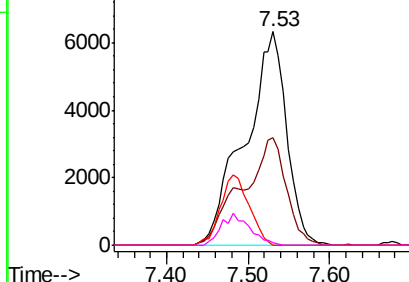
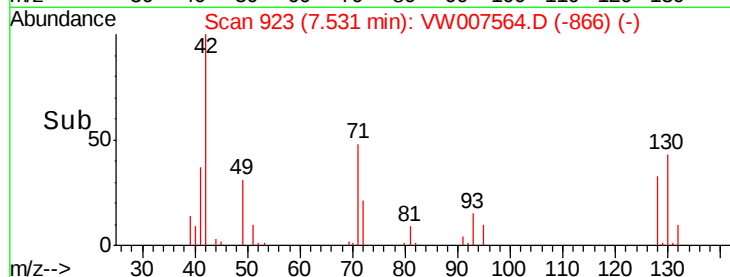
39 53.1 52.2 78.2

67 0.0 60.5 90.7#

52 0.0 25.3 37.9#



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



#42

1,2-Dichloroethane

Concen: 74.569 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007564.D

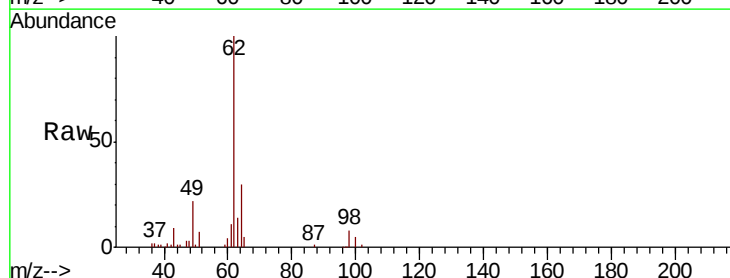
Acq: 15 Dec 2018 05:49

Tgt Ion: 62 Resp: 37955

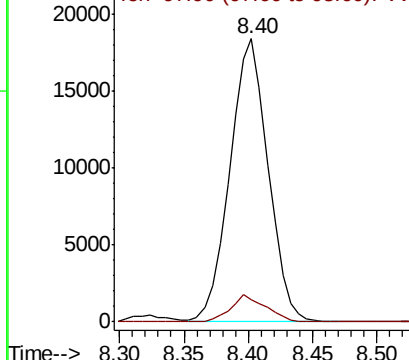
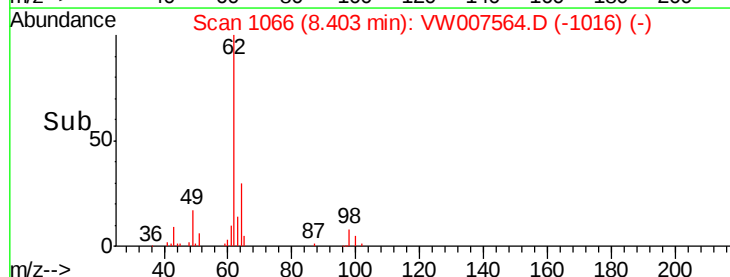
Ion Ratio Lower Upper

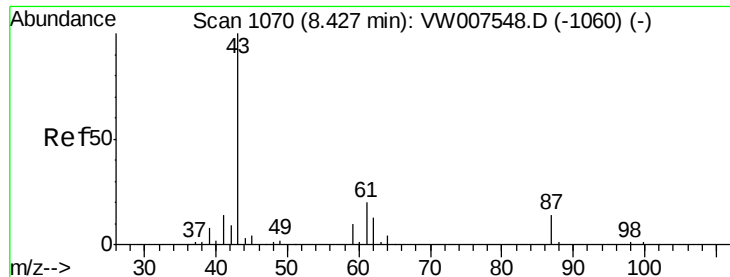
62 100

98 8.6 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 37.535 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

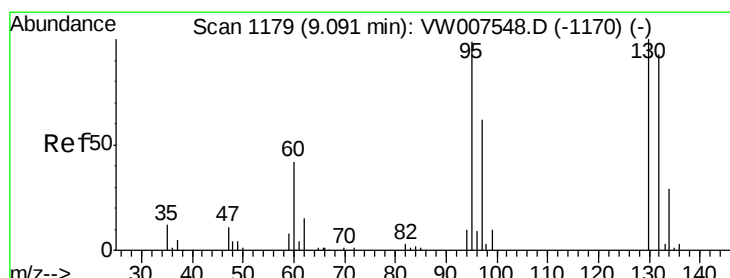
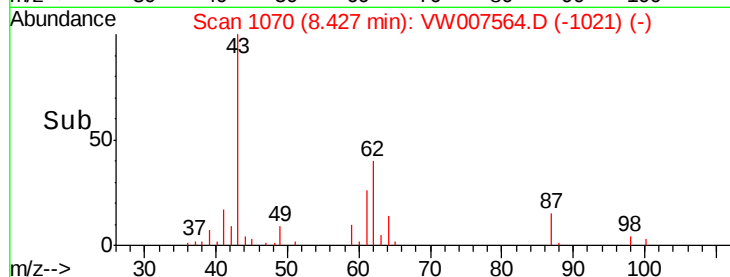
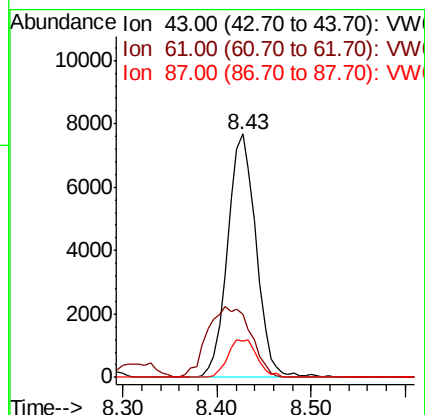
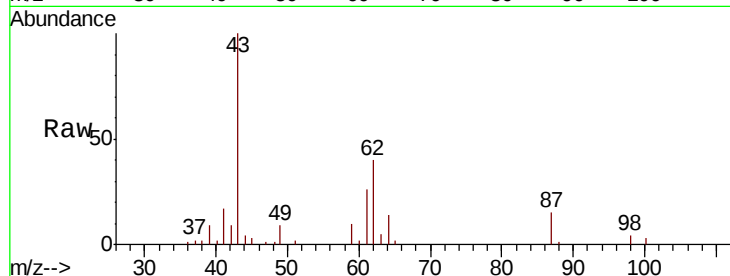
Tgt Ion: 43 Resp: 16101

Ion Ratio Lower Upper

43 100

61 44.2 25.3 37.9#

87 15.9 11.8 17.8



#44

Trichloroethene

Concen: 47.824 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007564.D

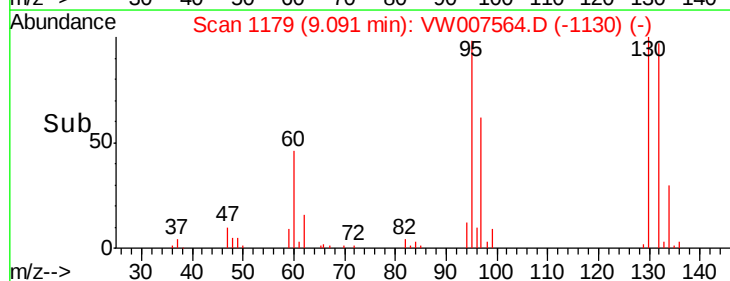
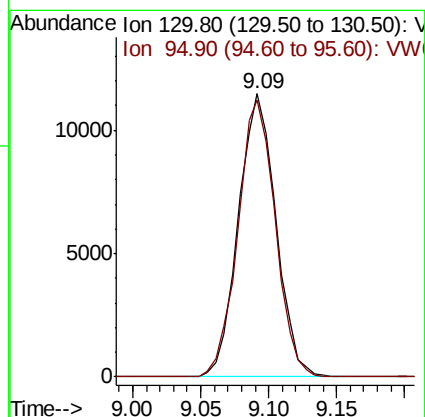
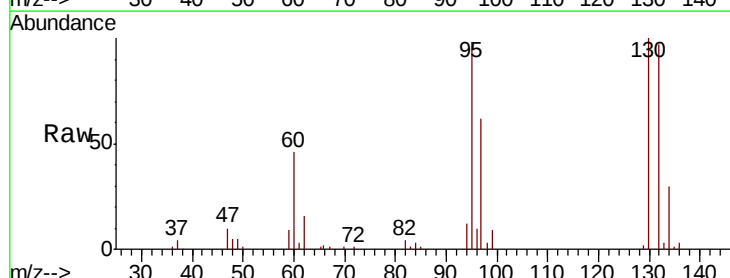
Acq: 15 Dec 2018 05:49

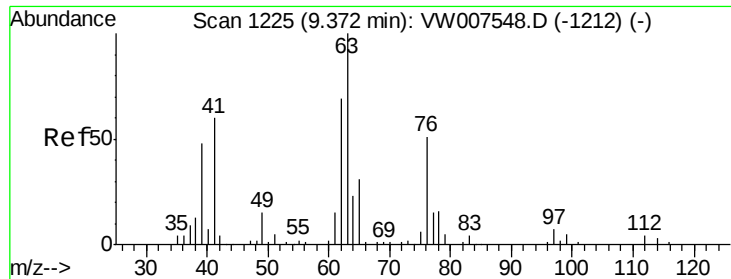
Tgt Ion: 130 Resp: 22128

Ion Ratio Lower Upper

130 100

95 97.9 0.0 193.2

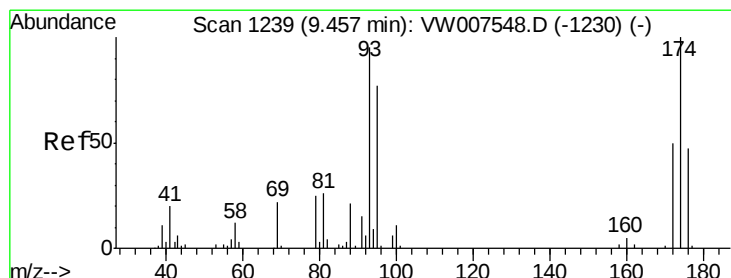
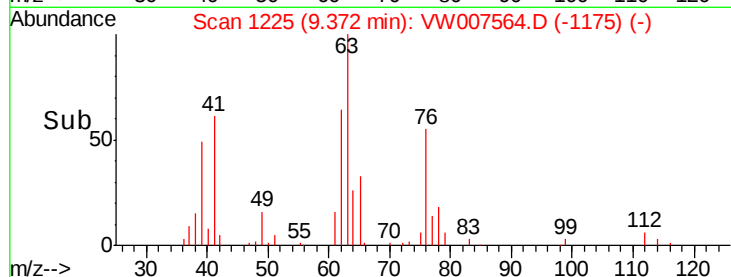
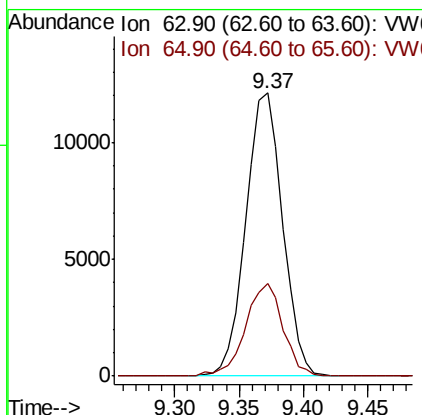
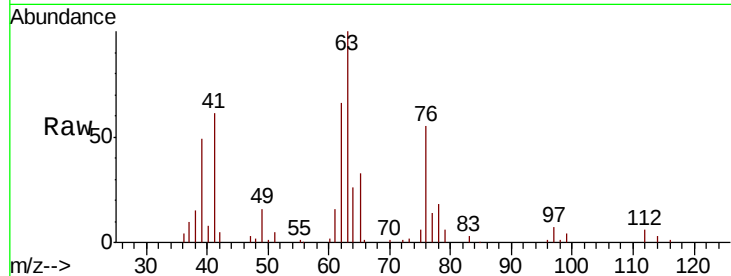




#45
 1,2-Dichloropropane
 Concen: 63.665 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

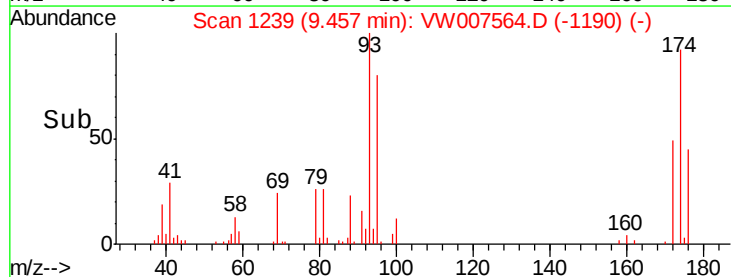
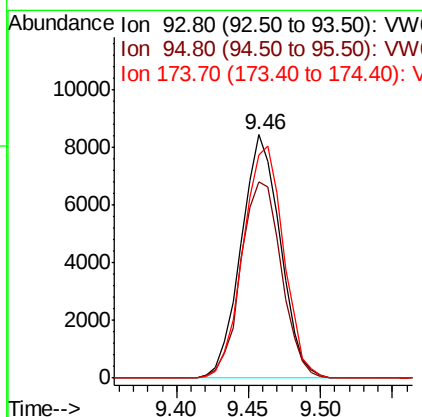
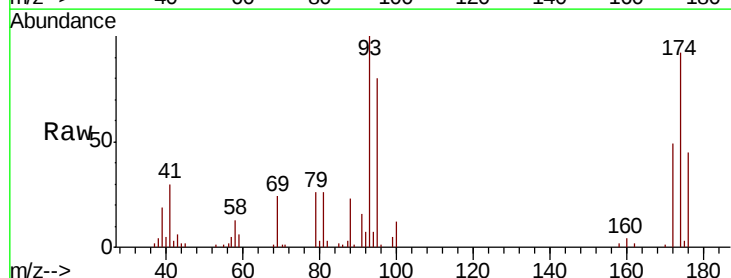
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

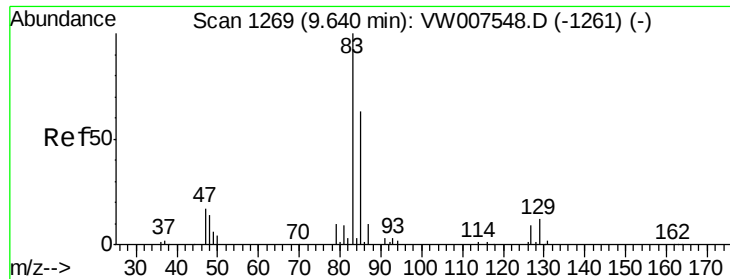
Tgt Ion: 63 Resp: 23872
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.4 36.6



#46
 Dibromomethane
 Concen: 74.689 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 93 Resp: 15904
 Ion Ratio Lower Upper
 93 100
 95 83.6 68.0 102.0
 174 98.7 83.2 124.8





#47

Bromodichloromethane

Concen: 63.983 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

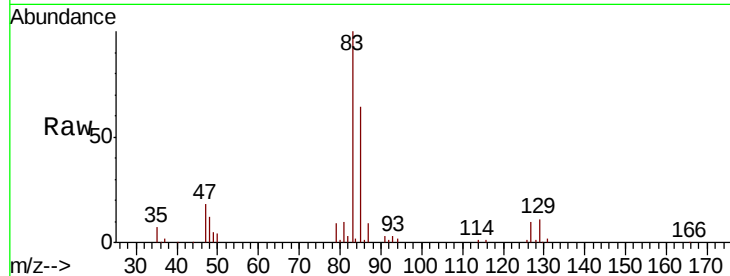
Tgt Ion: 83 Resp: 35737

Ion Ratio Lower Upper

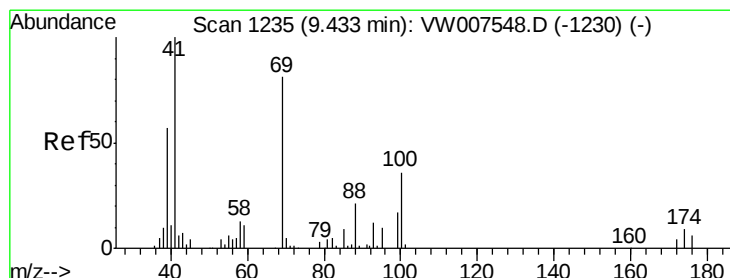
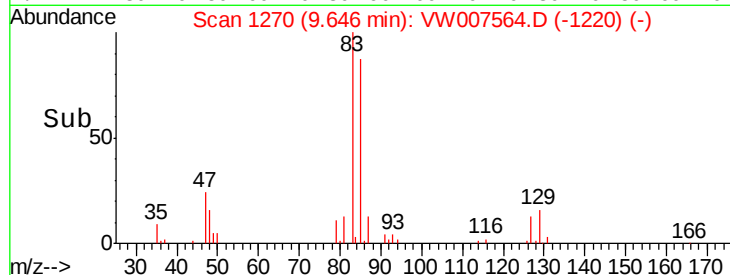
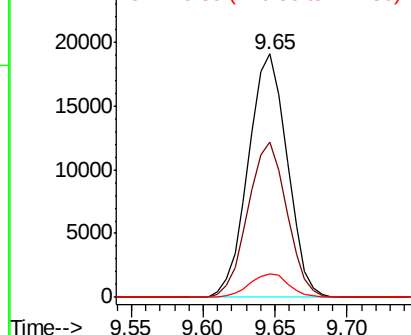
83 100

85 63.9 47.6 71.4

127 9.6 6.7 10.1



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



#48

Methyl methacrylate

Concen: 76.539 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

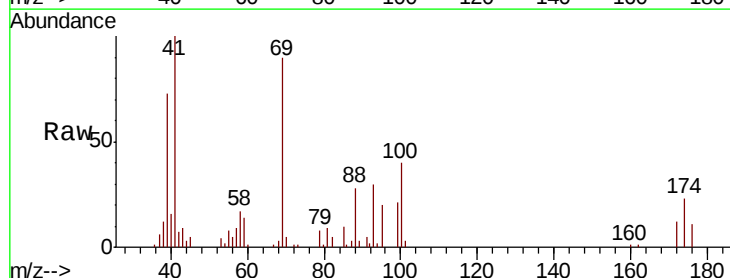
Tgt Ion: 41 Resp: 16862

Ion Ratio Lower Upper

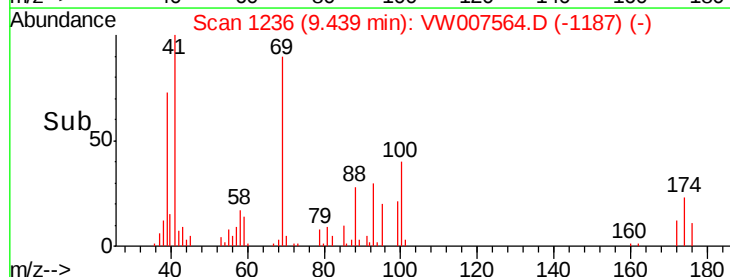
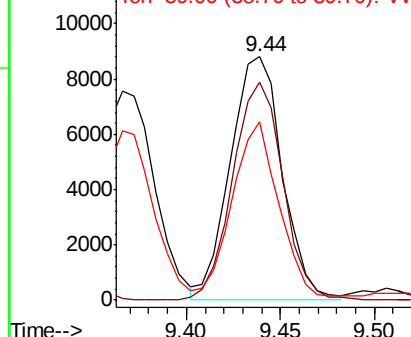
41 100

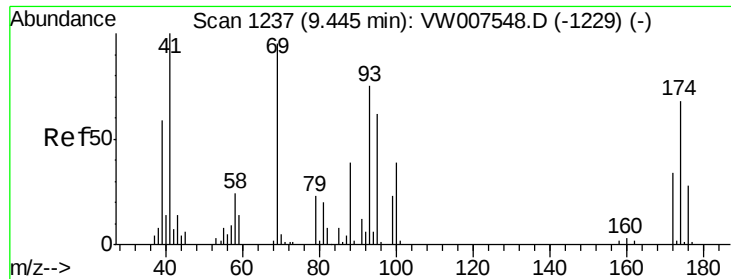
69 86.4 69.8 104.8

39 67.3 50.9 76.3



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

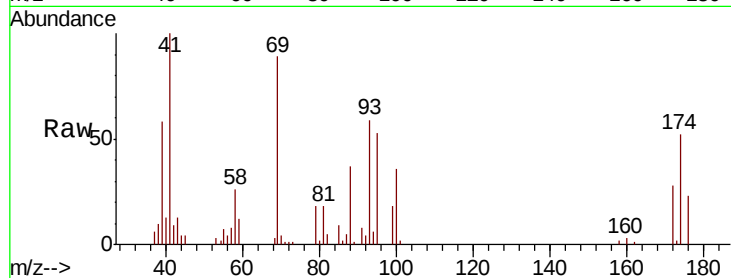




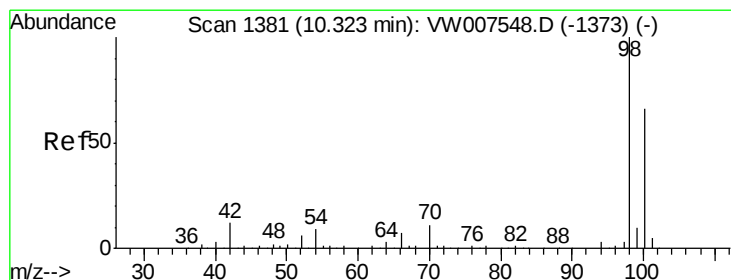
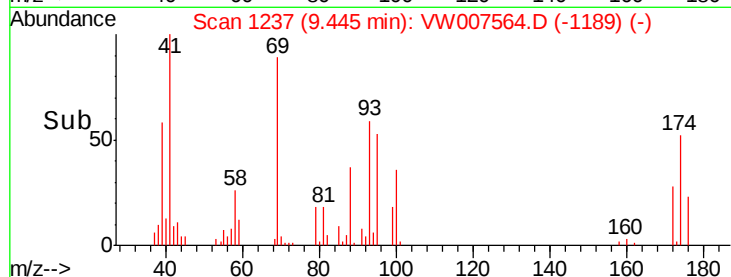
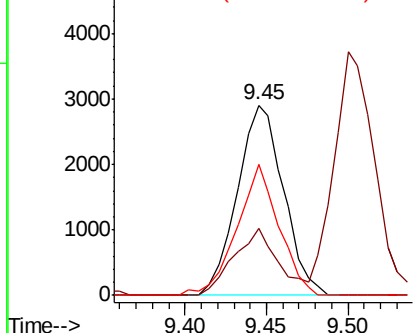
#49
 1,4-Dioxane
 Concen: 1648.607 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

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

Tgt Ion: 88 Resp: 5696
 Ion Ratio Lower Upper
 88 100
 43 34.7 25.0 37.4
 58 62.9 51.4 77.2

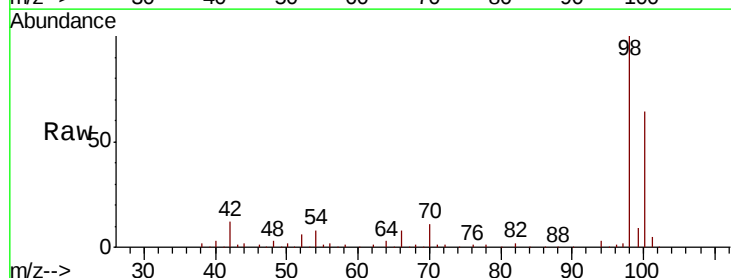


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

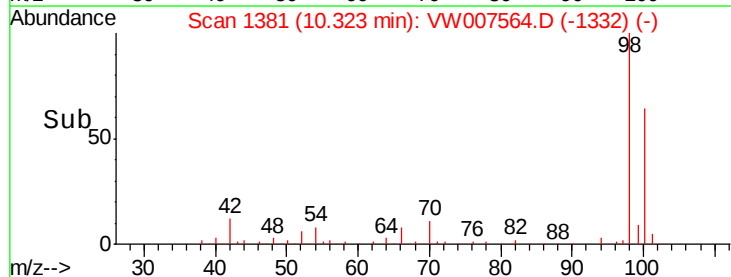
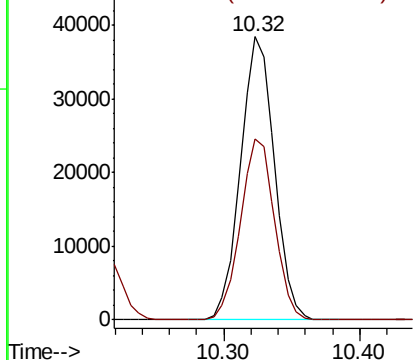


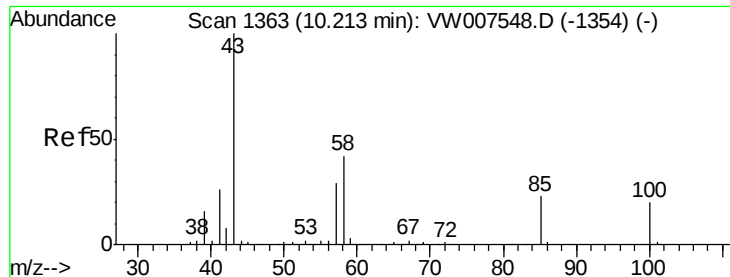
#50
 Toluene-d8
 Concen: 46.035 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 98 Resp: 66875
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 407.217 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

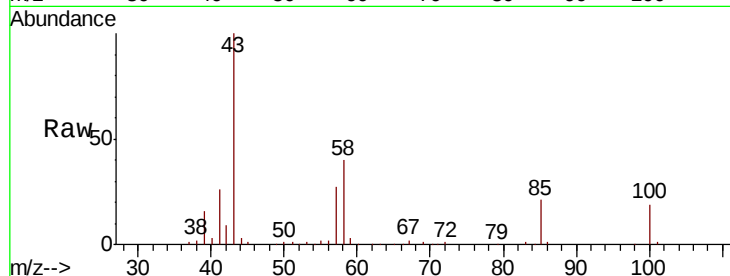
P001-SS015-0612-01MSD

Tgt Ion: 43 Resp: 82536

Ion Ratio Lower Upper

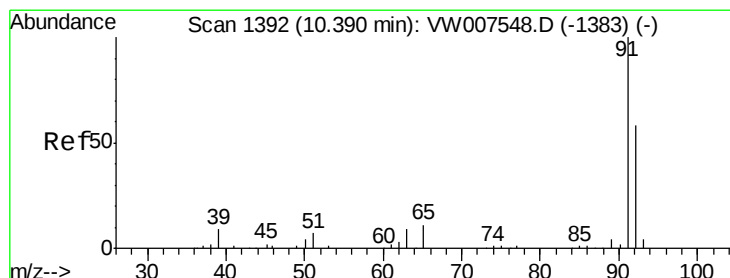
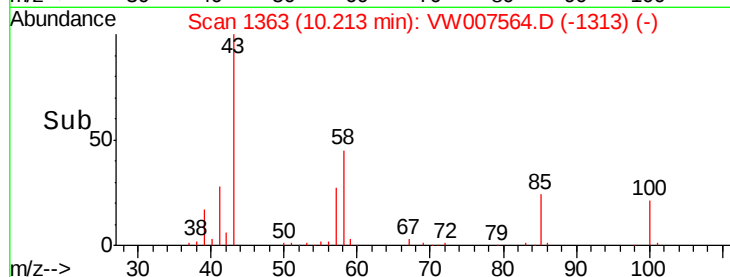
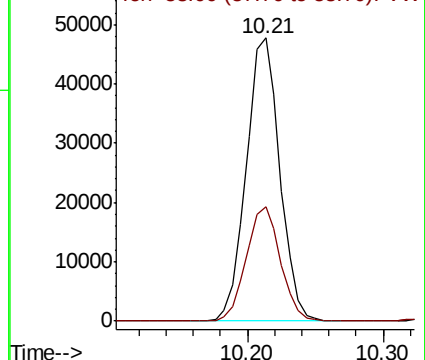
43 100

58 41.2 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: 48.642 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007564.D

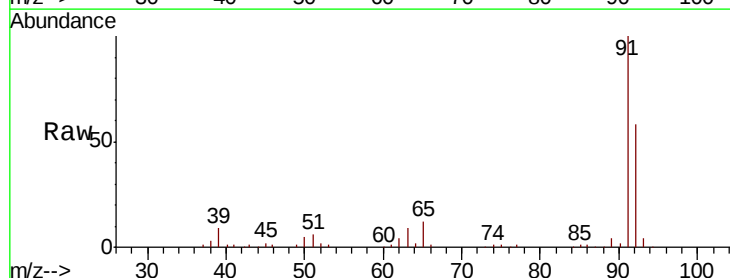
Acq: 15 Dec 2018 05:49

Tgt Ion: 92 Resp: 51006

Ion Ratio Lower Upper

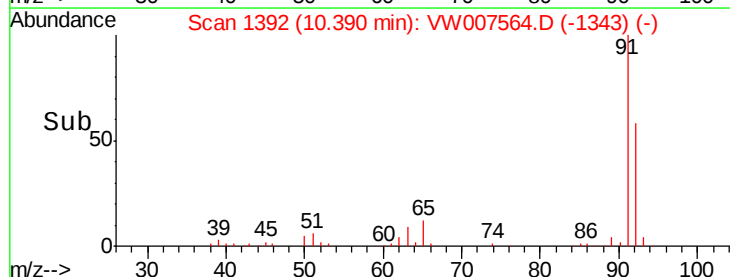
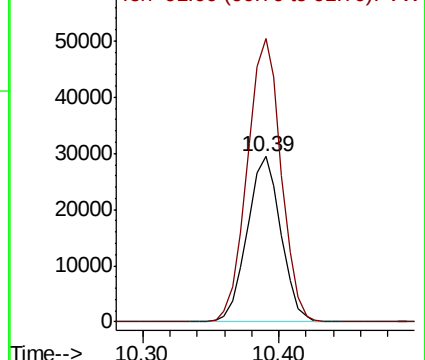
92 100

91 172.3 136.2 204.2



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: 62.658 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

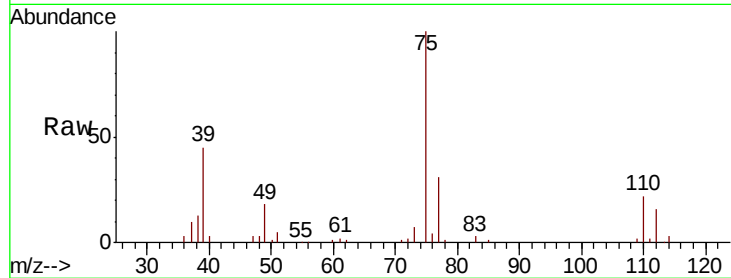
P001-SS015-0612-01MSD

Tgt Ion: 75 Resp: 33976

Ion Ratio Lower Upper

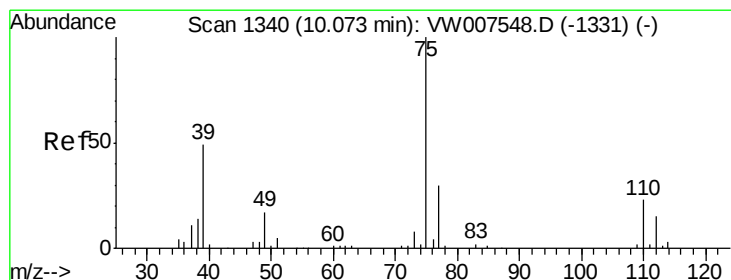
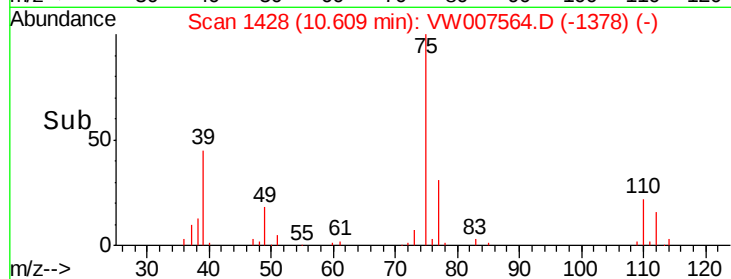
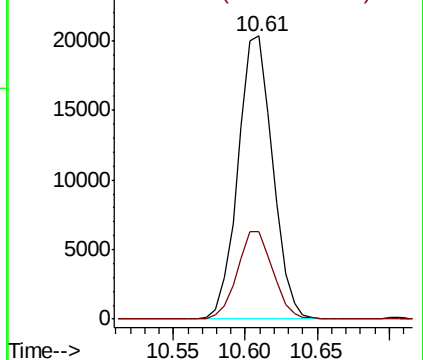
75 100

77 30.9 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 58.942 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

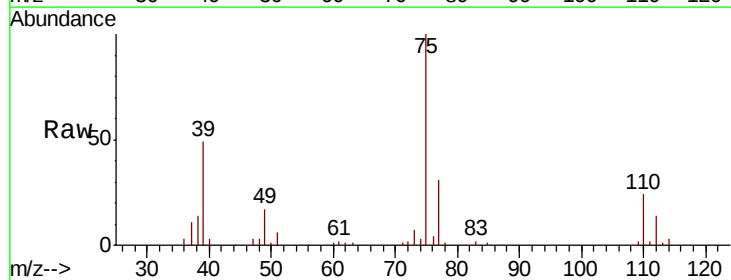
Tgt Ion: 75 Resp: 36947

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

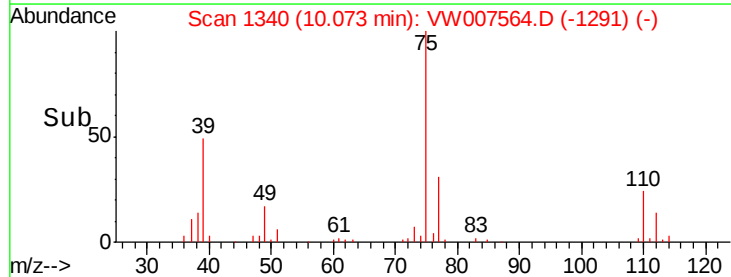
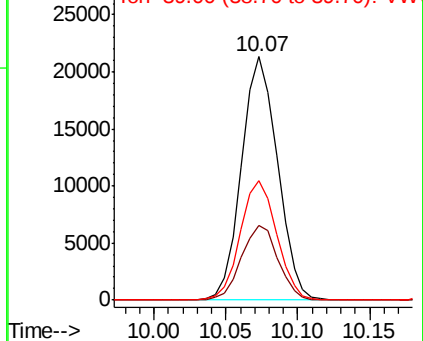
39 49.3 40.9 61.3

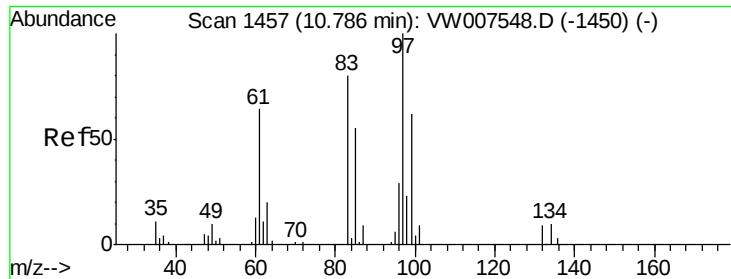


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

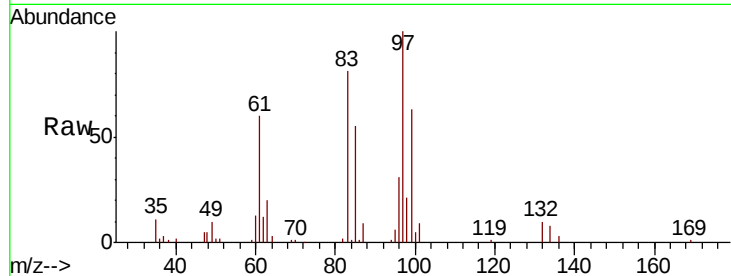




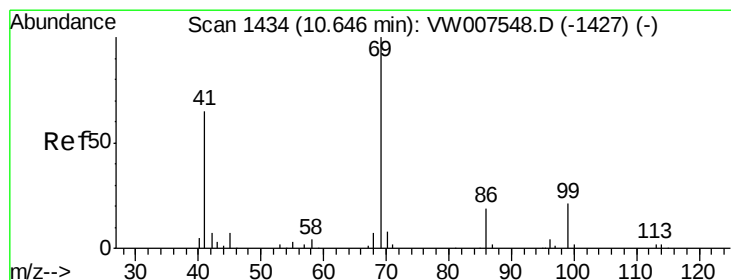
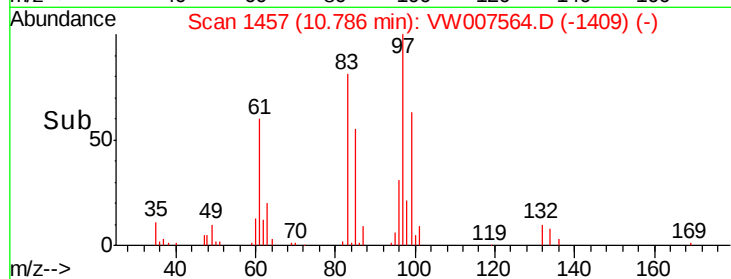
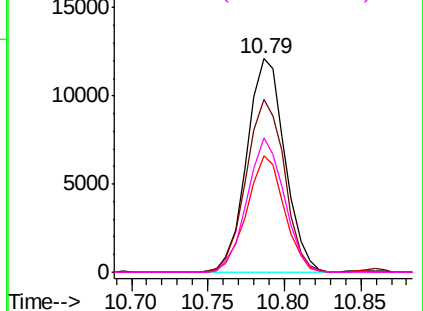
#55
 1,1,2-Trichloroethane
 Concen: 72.472 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

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

Tgt Ion:	97	Resp:	21003
Ion	Ratio	Lower	Upper
97	100		
83	81.2	62.1	93.1
85	54.7	44.2	66.4
99	62.8	50.2	75.4

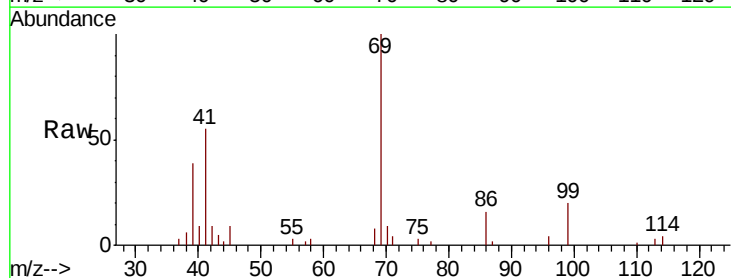


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

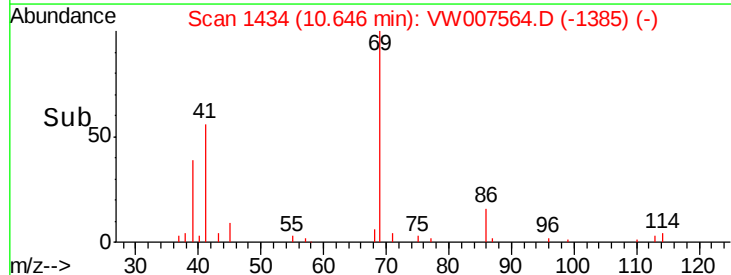
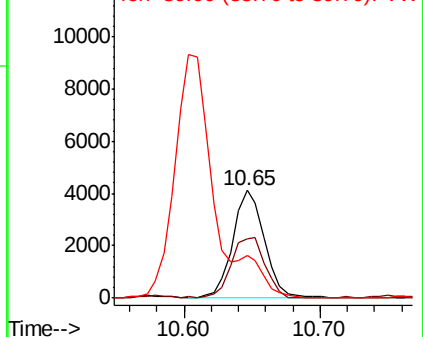


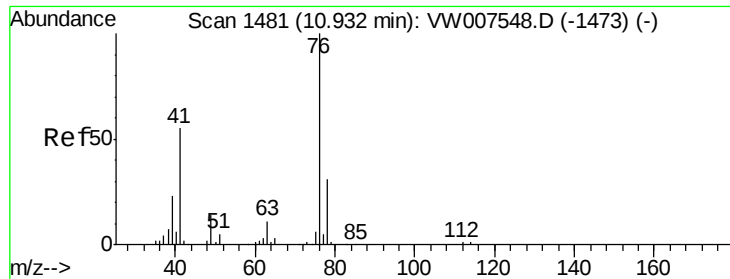
#56
 Ethyl methacrylate
 Concen: 19.231 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion:	69	Resp:	6699
Ion	Ratio	Lower	Upper
69	100		
41	60.1	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

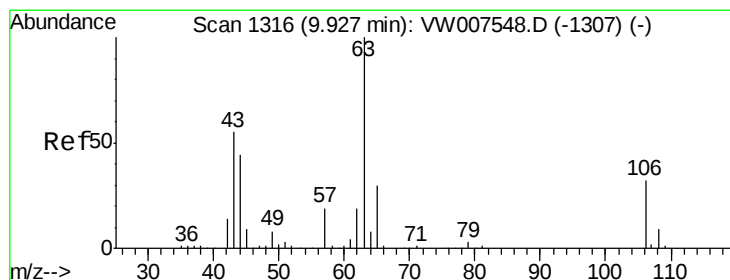
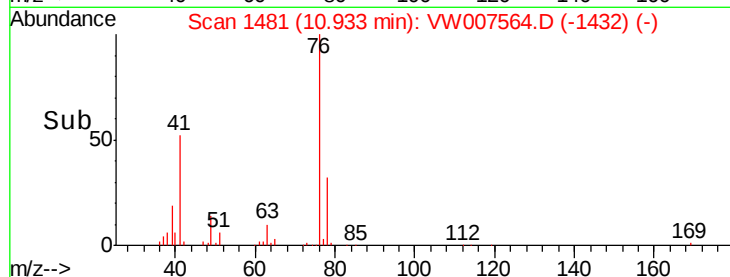
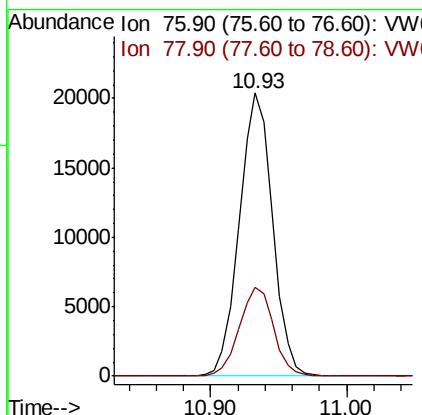
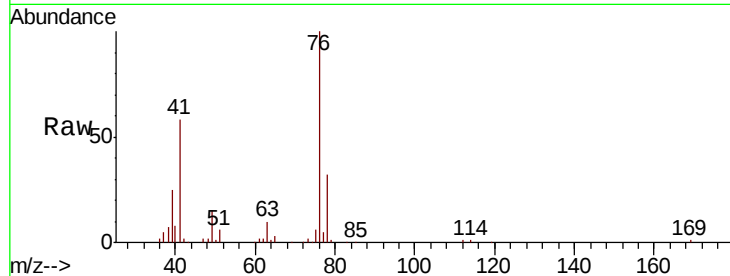




#57
 1,3-Dichloropropane
 Concen: 72.871 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

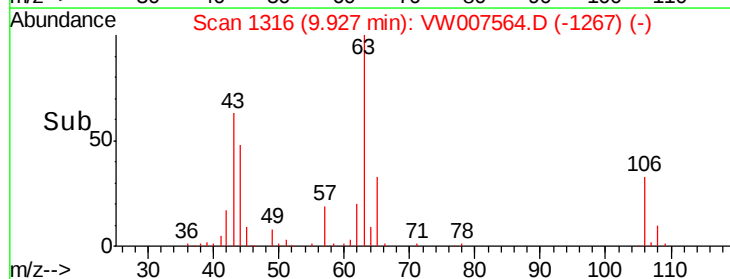
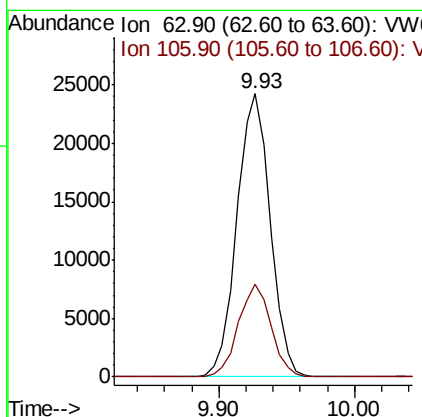
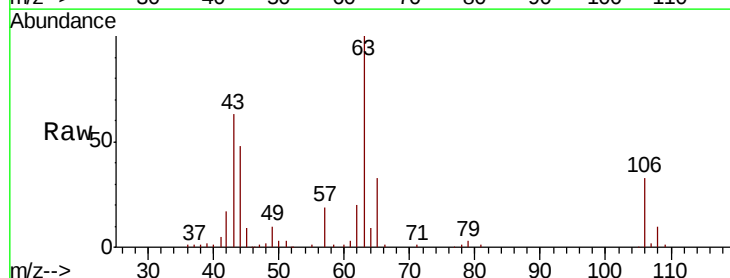
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

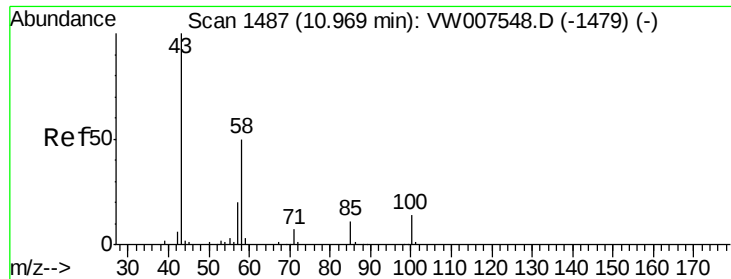
Tgt Ion: 76 Resp: 34663
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.093 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 63 Resp: 41298
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.0 37.6





#59

2-Hexanone

Concen: 355.615 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

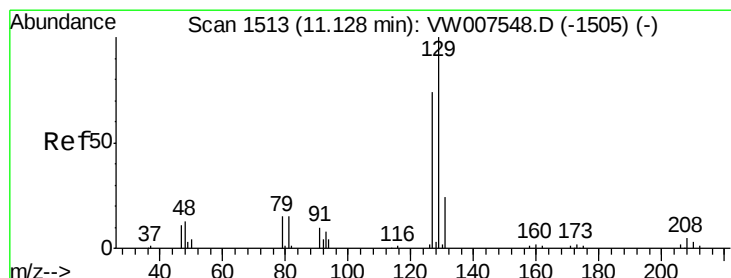
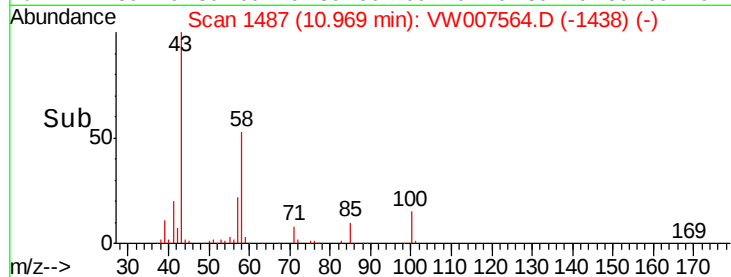
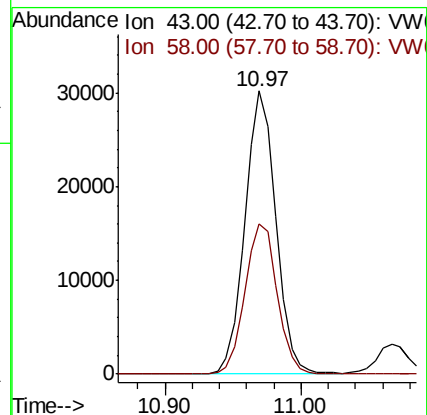
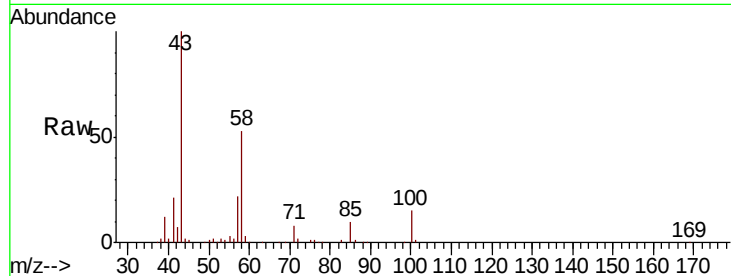
P001-SS015-0612-01MSD

Tgt Ion: 43 Resp: 48061

Ion Ratio Lower Upper

43 100

58 55.4 27.1 81.3



#60

Dibromochloromethane

Concen: 63.986 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007564.D

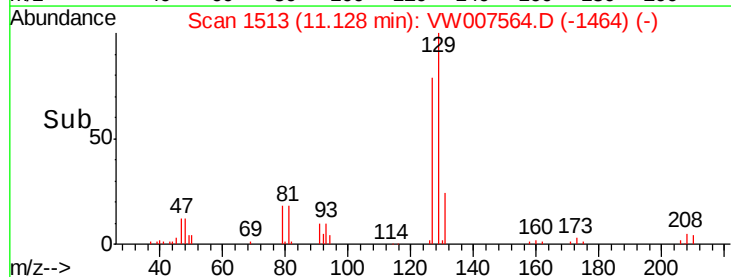
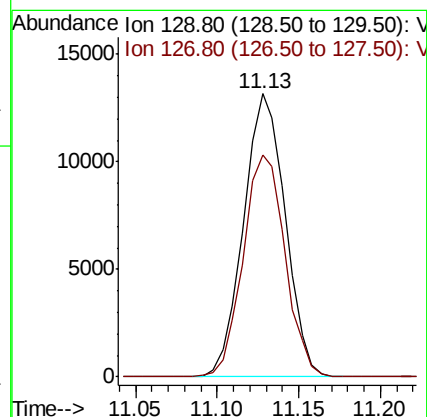
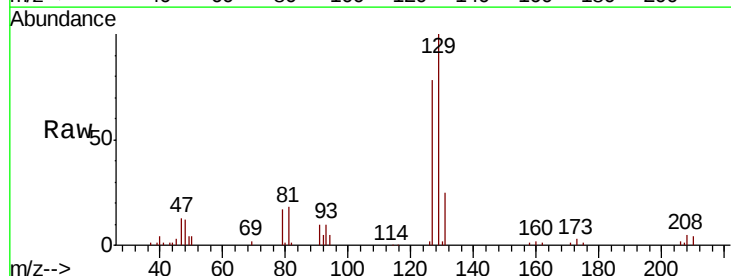
Acq: 15 Dec 2018 05:49

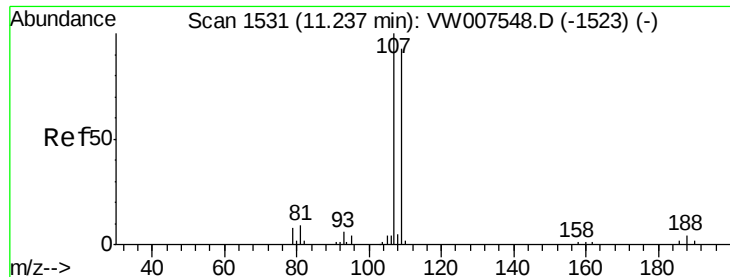
Tgt Ion: 129 Resp: 23402

Ion Ratio Lower Upper

129 100

127 78.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 71.928 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

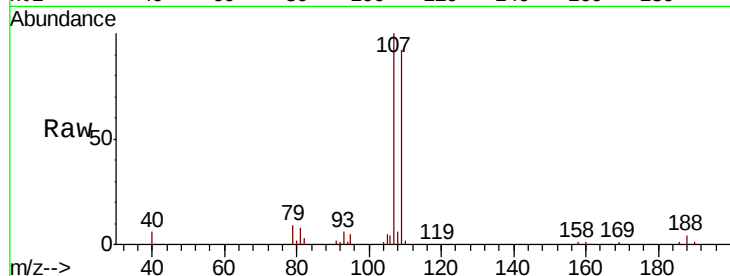
P001-SS015-0612-01MSD

Tgt Ion: 107 Resp: 20600

Ion Ratio Lower Upper

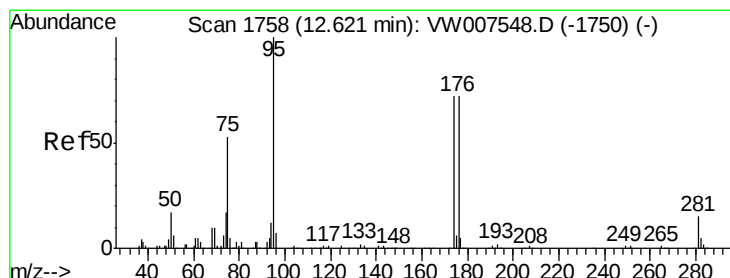
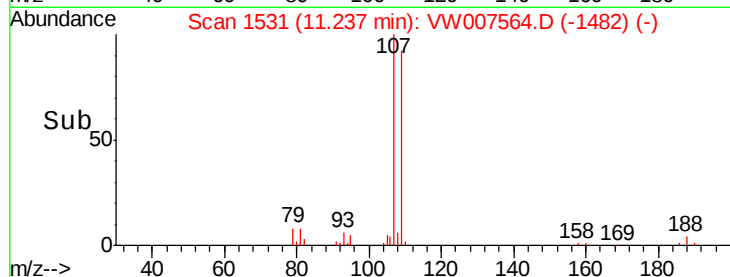
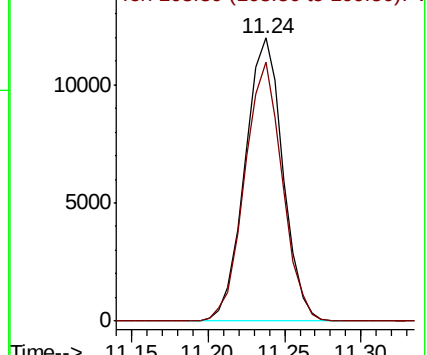
107 100

109 91.1 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 32.684 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

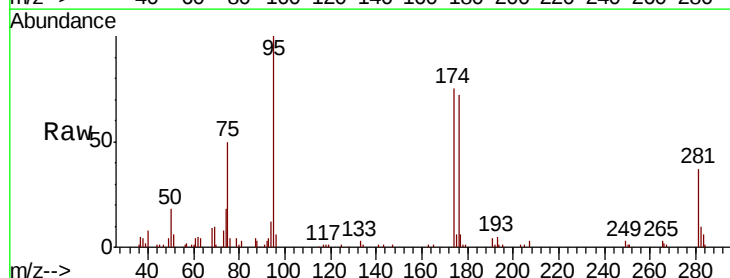
Tgt Ion: 95 Resp: 17457

Ion Ratio Lower Upper

95 100

174 72.3 0.0 147.2

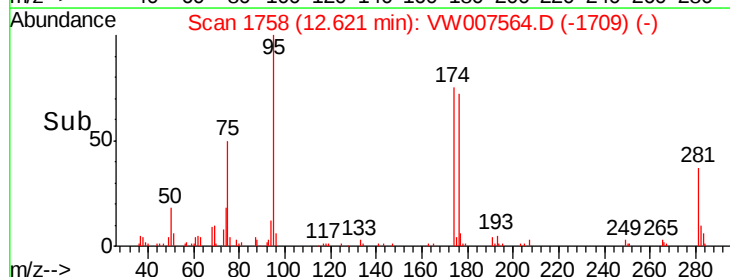
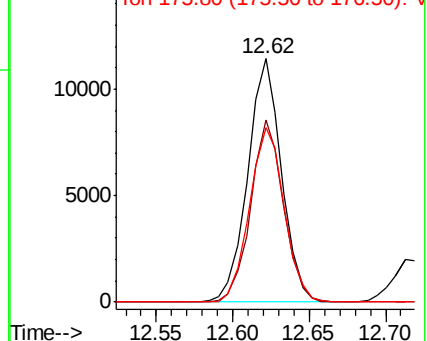
176 73.8 0.0 138.8

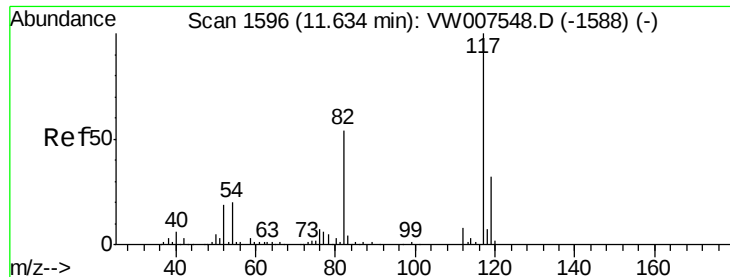


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

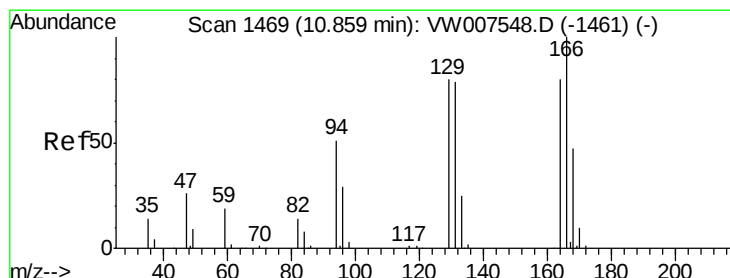
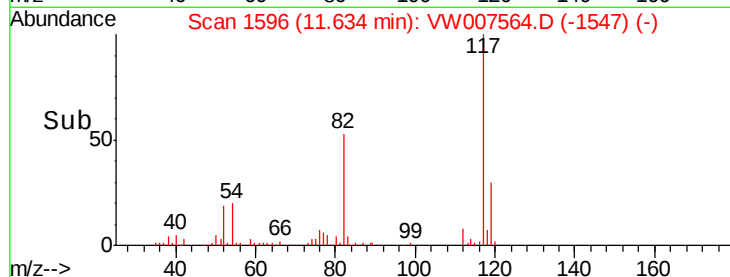
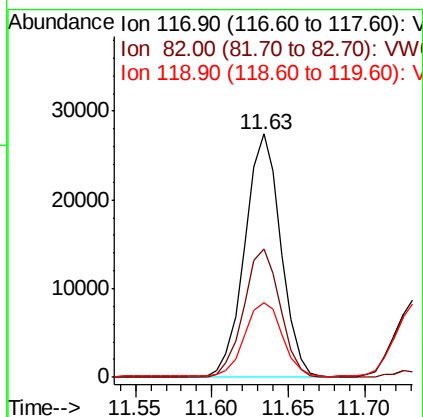
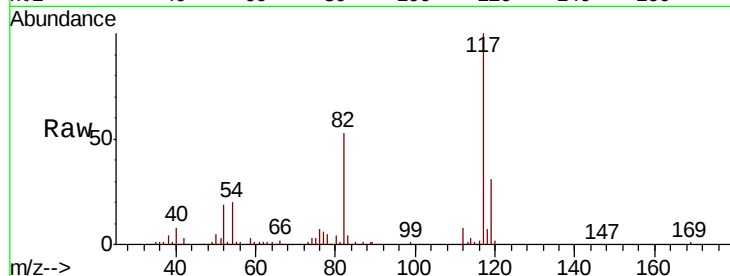




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

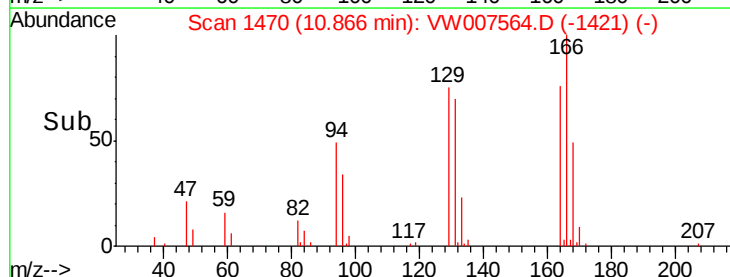
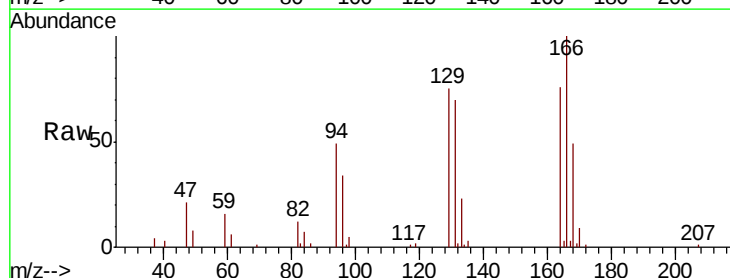
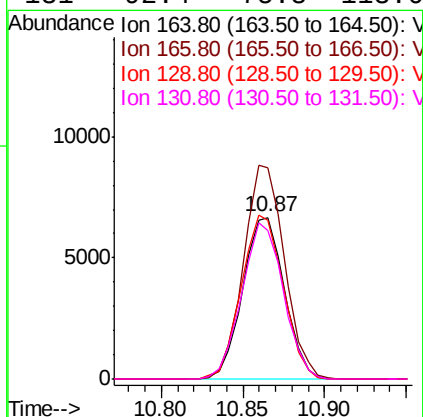
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MSD

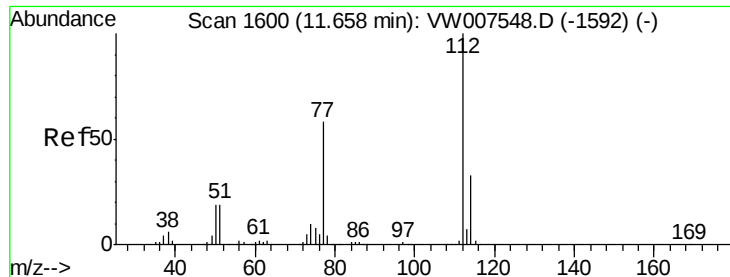
Tgt Ion:117 Resp: 44873
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 30.0 23.0 34.6



#64
Tetrachloroethene
Concen: 36.685 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion:164 Resp: 11838
Ion Ratio Lower Upper
164 100
166 131.3 107.9 161.9
129 98.7 73.4 110.2
131 92.4 75.8 113.6

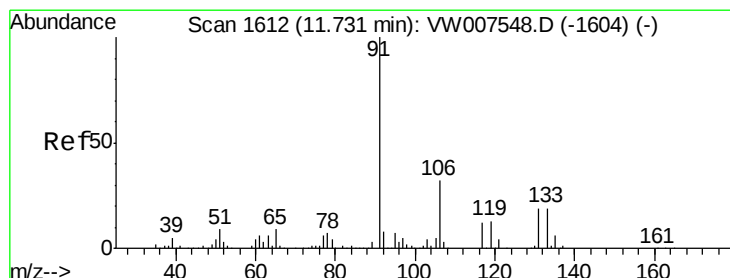
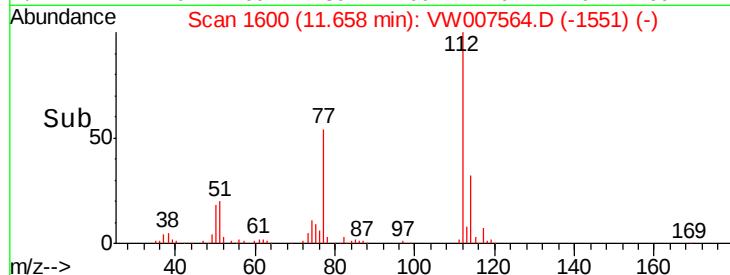
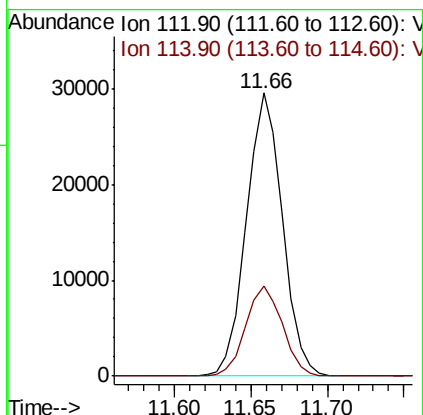
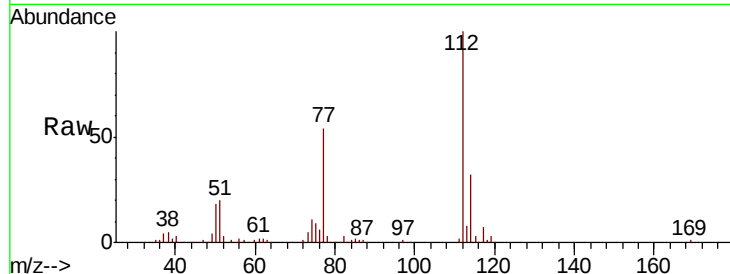




#65
Chlorobenzene
Concen: 51.579 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

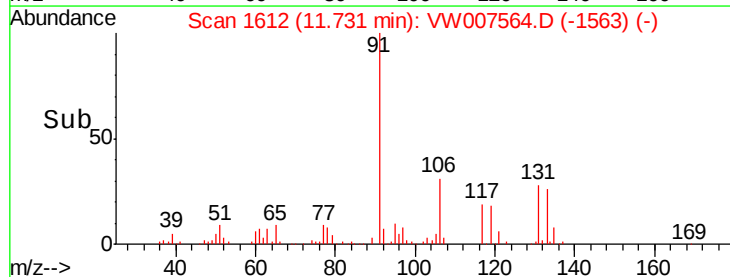
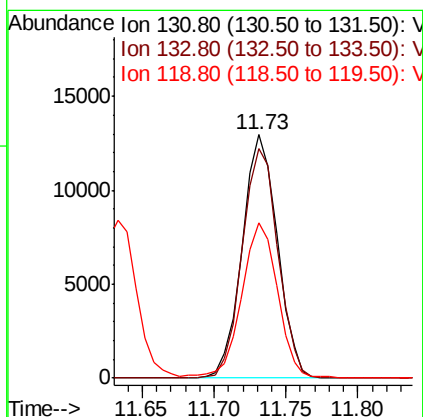
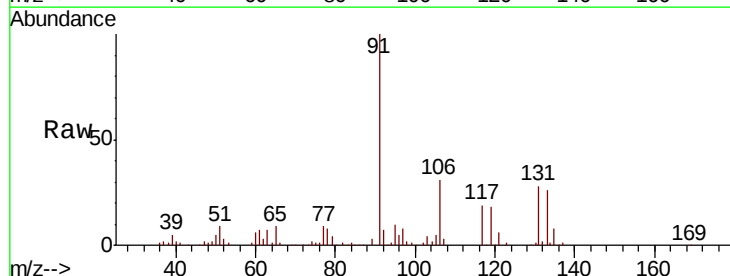
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MSD

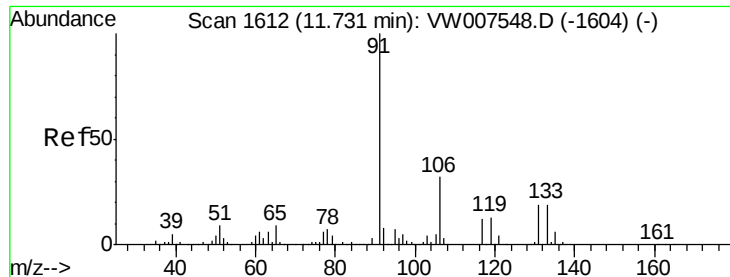
Tgt Ion:112 Resp: 48242
Ion Ratio Lower Upper
112 100
114 31.7 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 66.549 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion:131 Resp: 21922
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.4
119 64.7 31.3 93.9





#67

Ethyl Benzene

Concen: 45.950 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

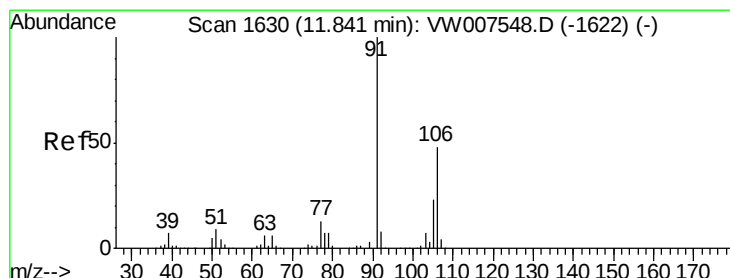
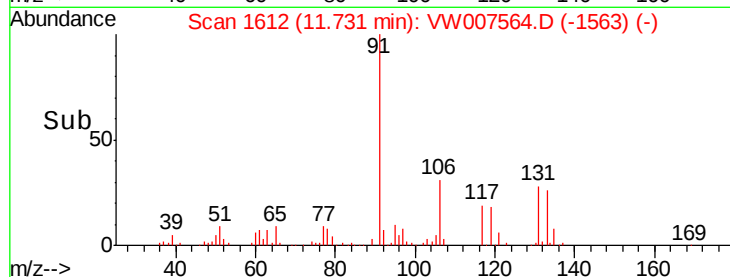
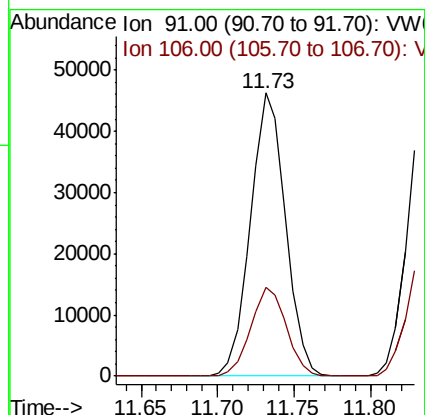
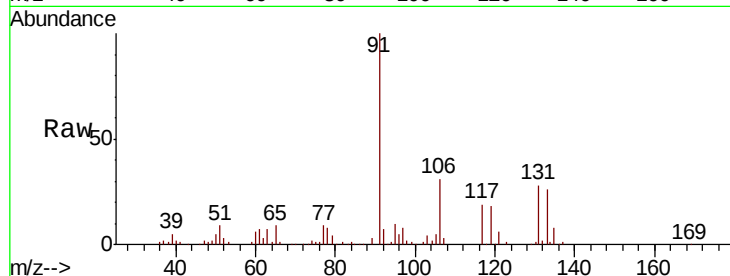
P001-SS015-0612-01MSD

Tgt Ion: 91 Resp: 73889

Ion Ratio Lower Upper

91 100

106 31.2 21.8 32.8



#68

m/p-Xylenes

Concen: 88.216 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007564.D

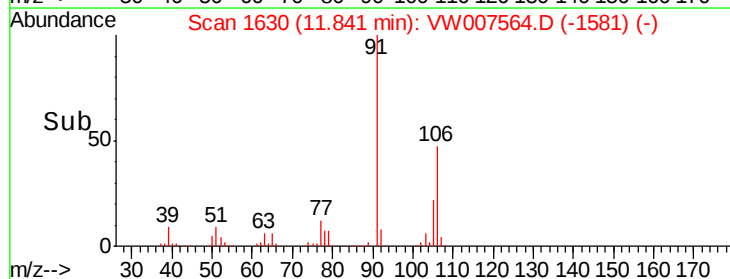
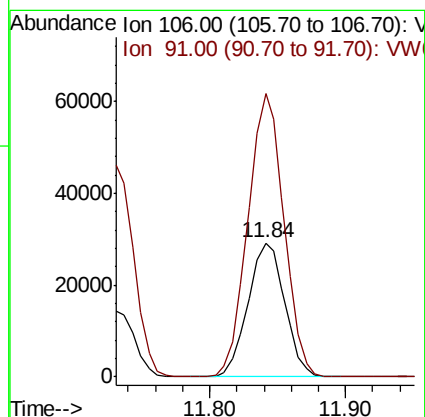
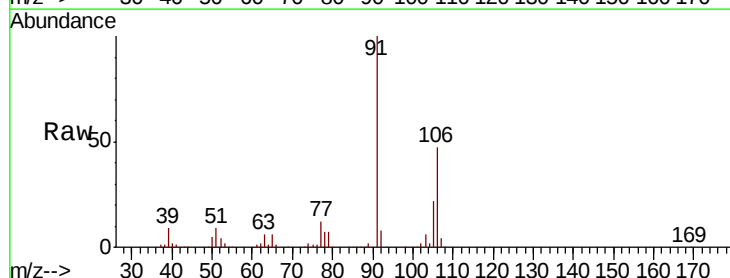
Acq: 15 Dec 2018 05:49

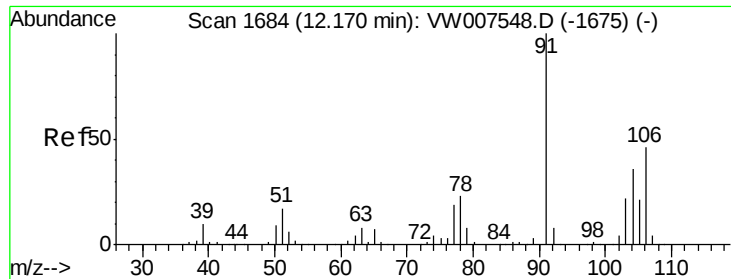
Tgt Ion: 106 Resp: 55147

Ion Ratio Lower Upper

106 100

91 207.7 165.3 247.9

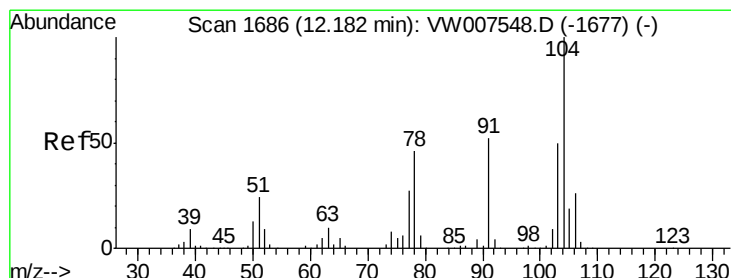
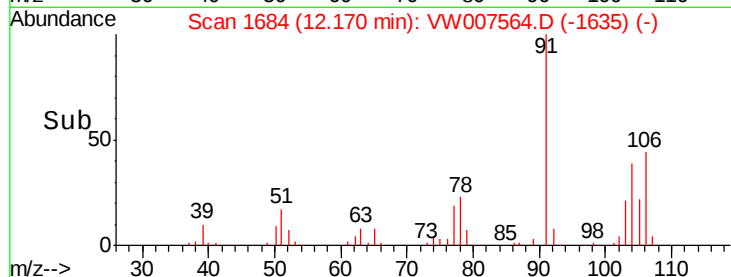
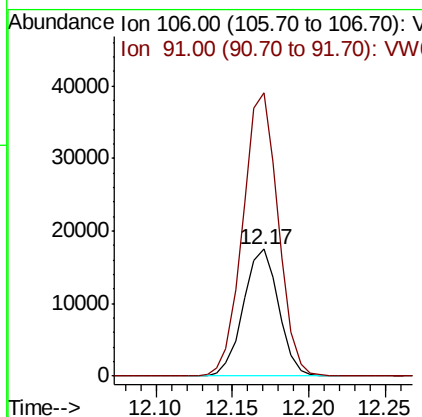
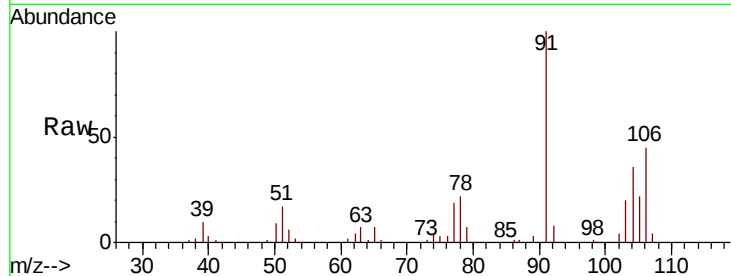




#69
o-Xylene
Concen: 47.947 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

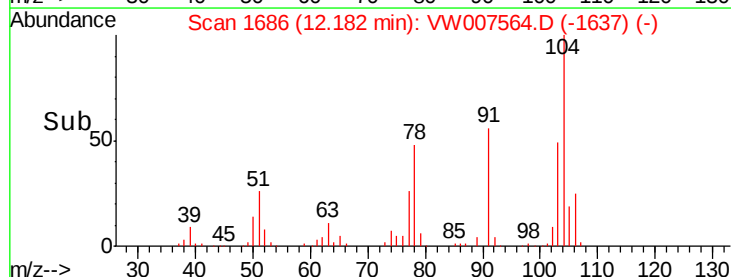
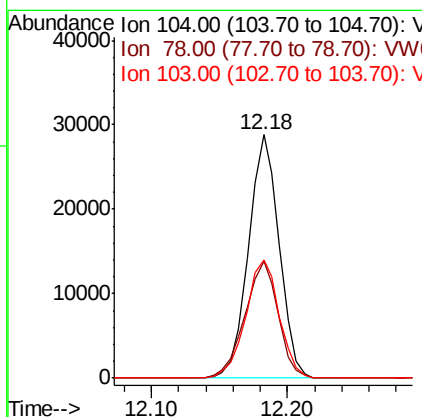
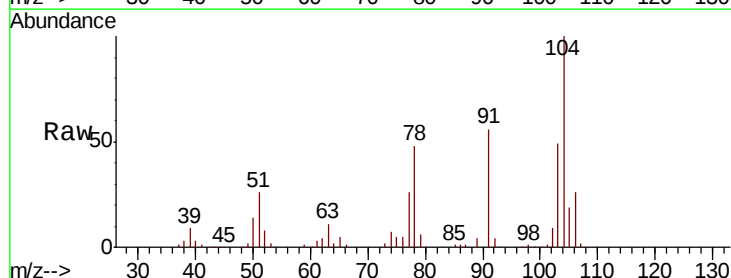
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MSD

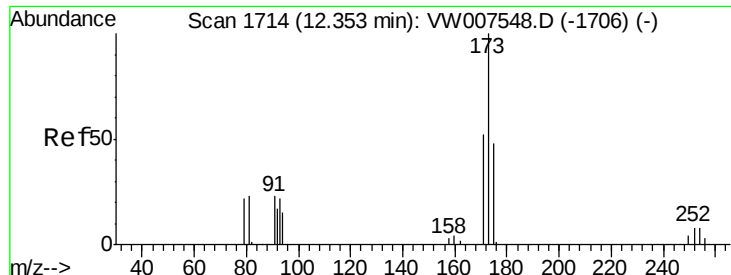
Tgt Ion:106 Resp: 27993
Ion Ratio Lower Upper
106 100
91 222.9 106.6 319.8



#70
Styrene
Concen: 48.226 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion:104 Resp: 45478
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.8
103 52.9 46.6 69.8

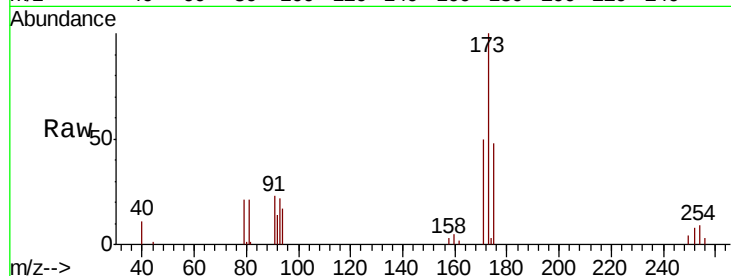




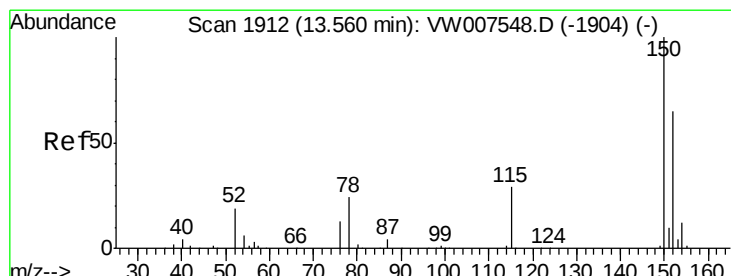
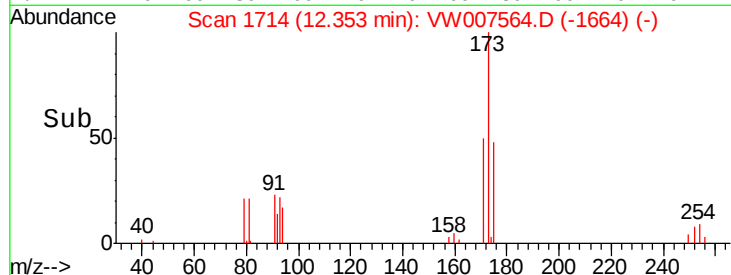
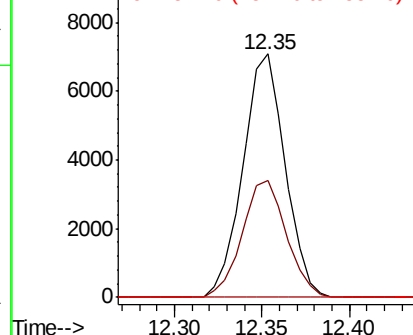
#71
Bromoform
Concen: 70.122 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

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

Tgt Ion:173 Resp: 11823
Ion Ratio Lower Upper
173 100
175 50.7 23.6 70.8
254 0.0 0.0 0.0

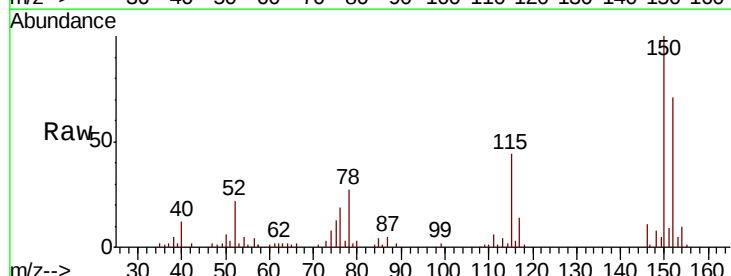


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

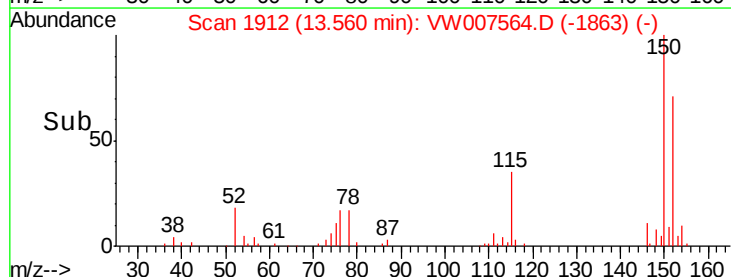
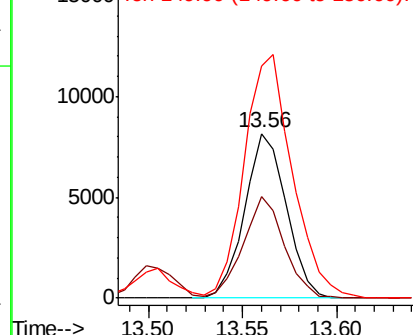


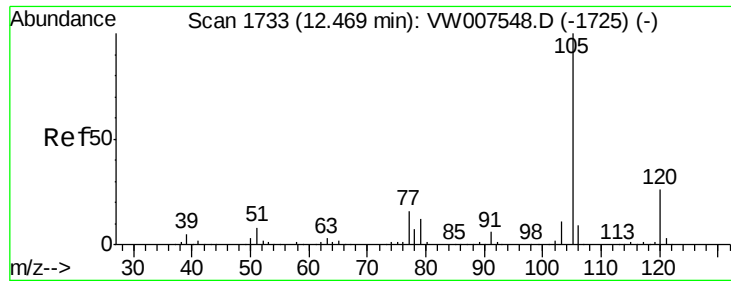
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion:152 Resp: 12496
Ion Ratio Lower Upper
152 100
115 61.0 31.4 94.2
150 171.1 0.0 358.4



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

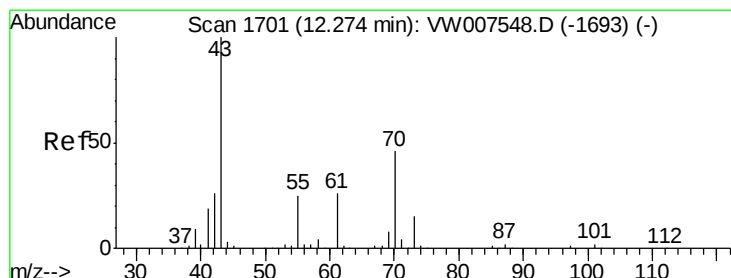
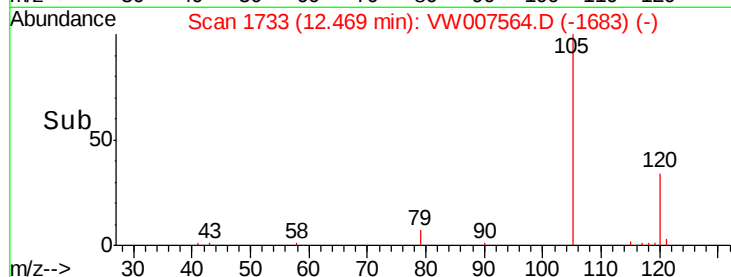
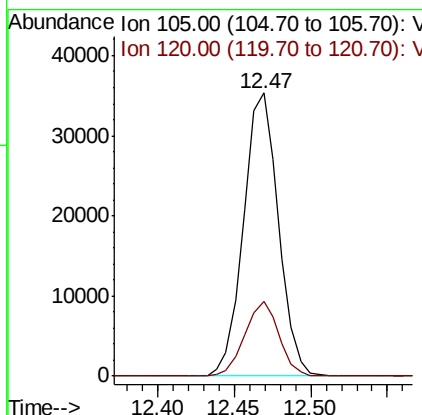
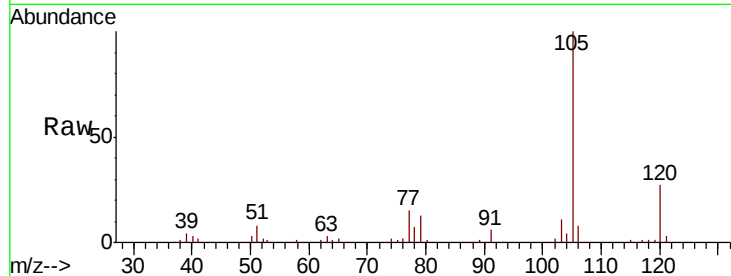




#73
Isopropylbenzene
Concen: 58.514 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

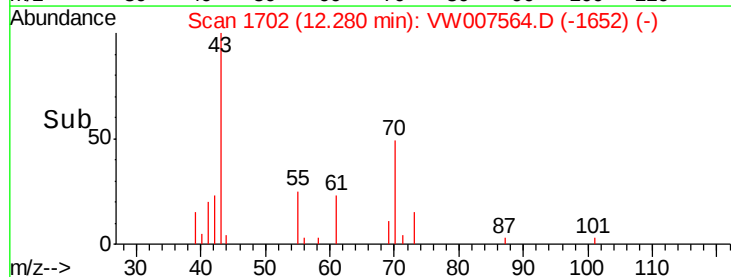
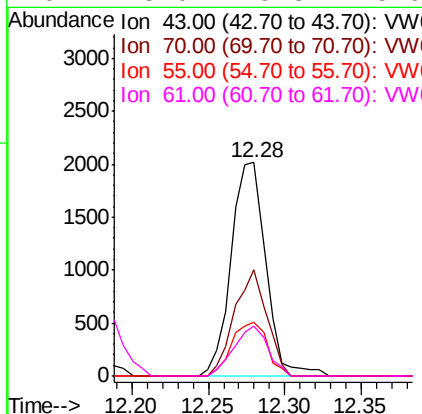
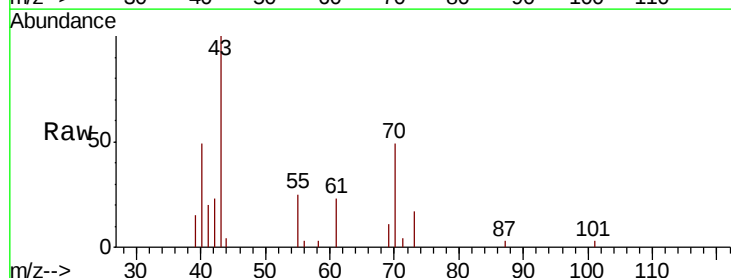
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MSD

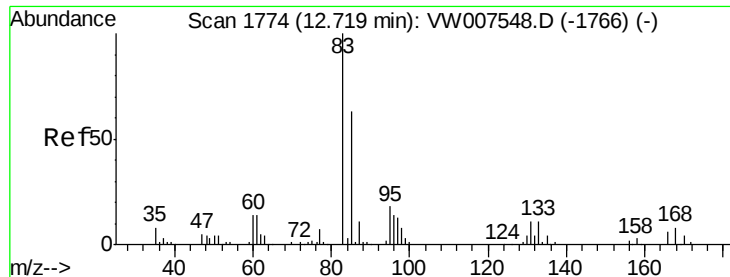
Tgt Ion: 105 Resp: 56027
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4



#74
N-ethyl acetate
Concen: 18.240 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion: 43 Resp: 3174
Ion Ratio Lower Upper
43 100
70 46.0 36.5 54.7
55 25.6 20.1 30.1
61 23.0 19.3 28.9

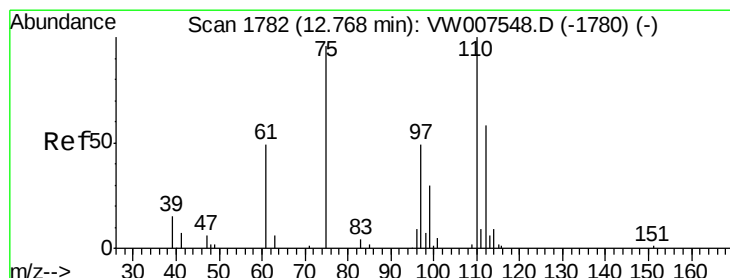
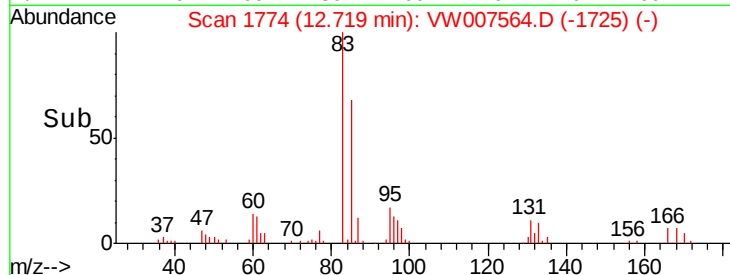
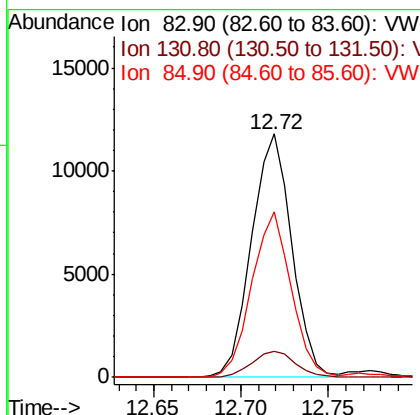
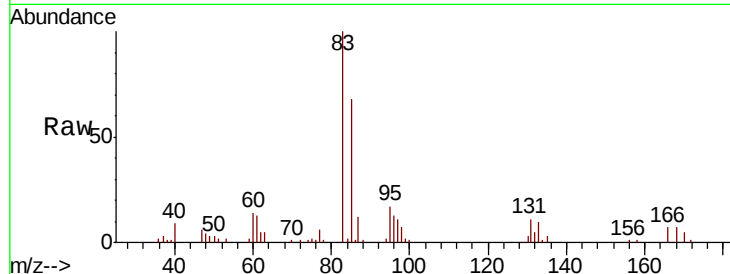




#75
 1,1,2,2-Tetrachloroethane
 Concen: 132.990 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

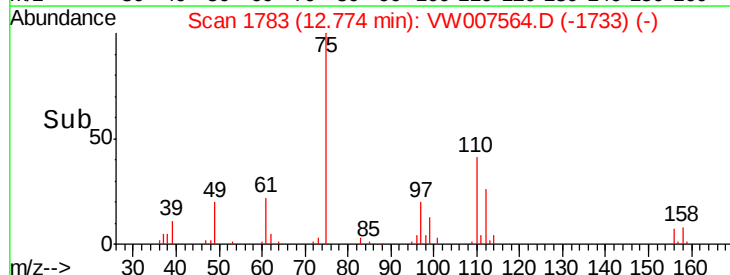
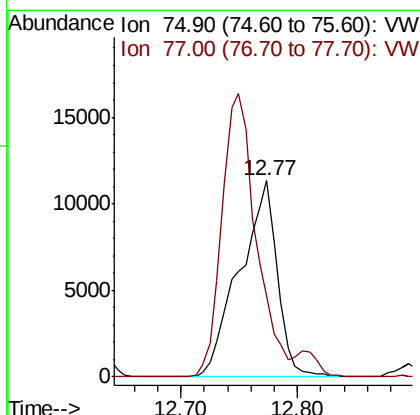
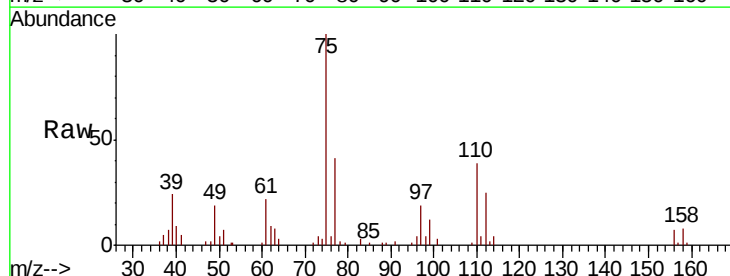
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

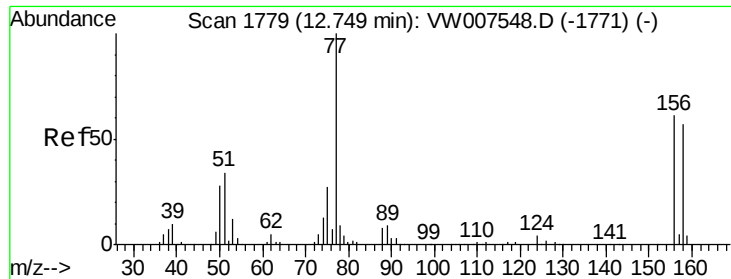
Tgt Ion: 83 Resp: 18860
 Ion Ratio Lower Upper
 83 100
 131 11.5 5.9 17.8
 85 66.6 30.0 90.0



#76
 1,2,3-Trichloropropane
 Concen: 248.173 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion: 75 Resp: 25570
 Ion Ratio Lower Upper
 75 100
 77 0.0 166.9 500.8#





#77

Bromobenzene

Concen: 77.521 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

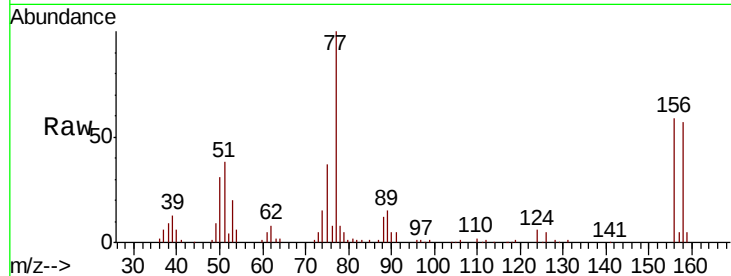
Tgt Ion:156 Resp: 16453

Ion Ratio Lower Upper

156 100

77 203.0 88.1 264.4

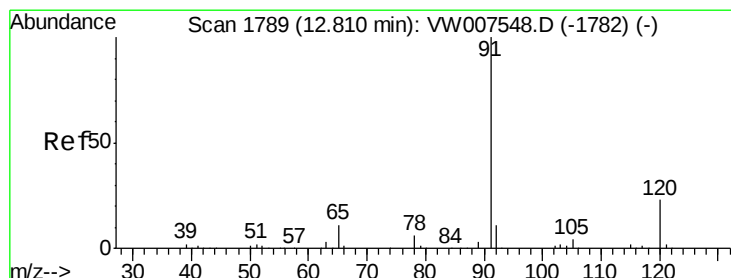
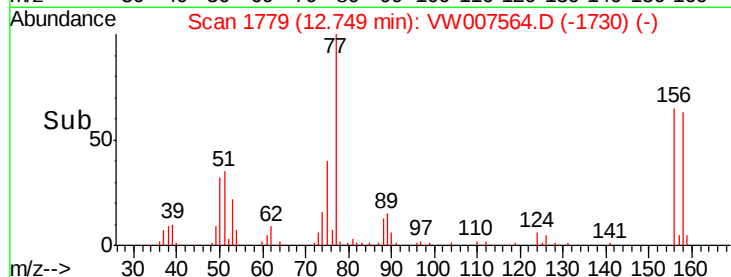
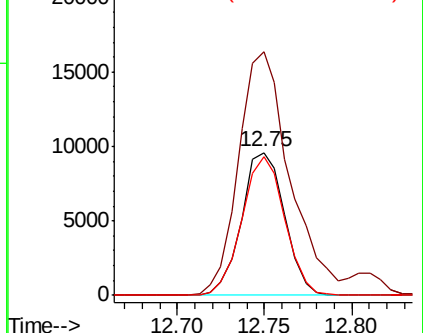
158 96.1 45.6 136.7



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: 49.426 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007564.D

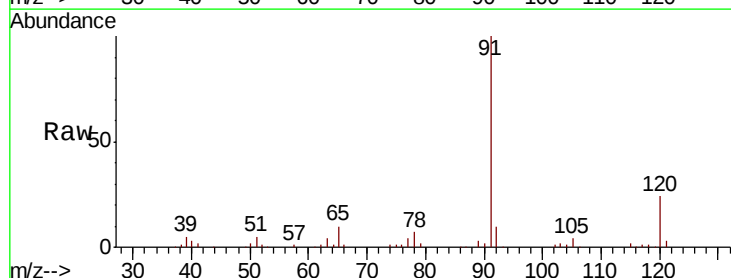
Acq: 15 Dec 2018 05:49

Tgt Ion: 91 Resp: 53260

Ion Ratio Lower Upper

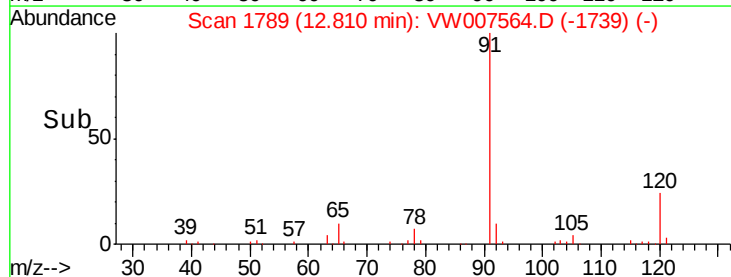
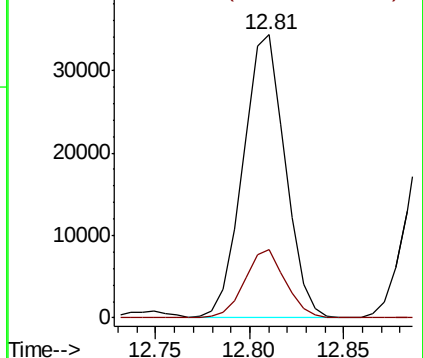
91 100

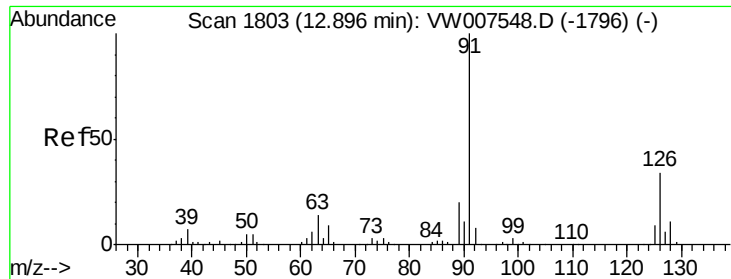
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.128 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

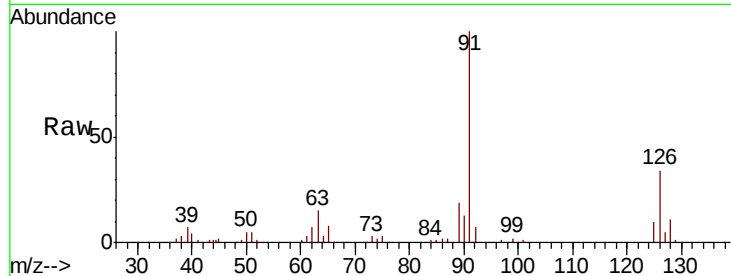
P001-SS015-0612-01MSD

Tgt Ion: 91 Resp: 36596

Ion Ratio Lower Upper

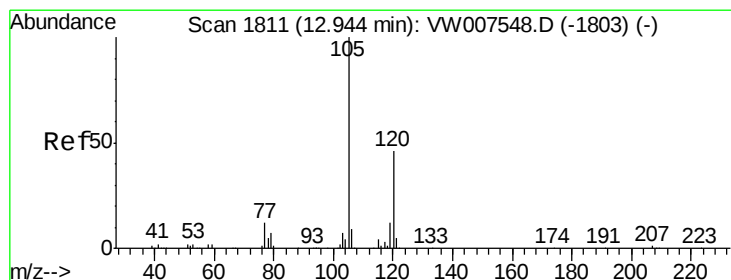
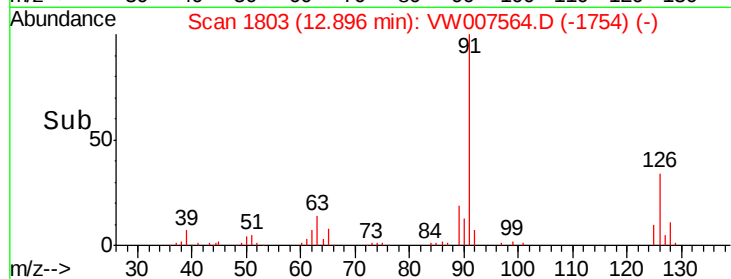
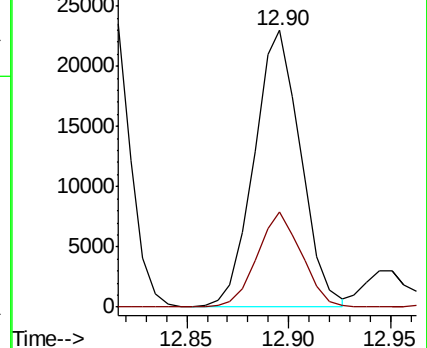
91 100

126 32.6 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.928 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007564.D

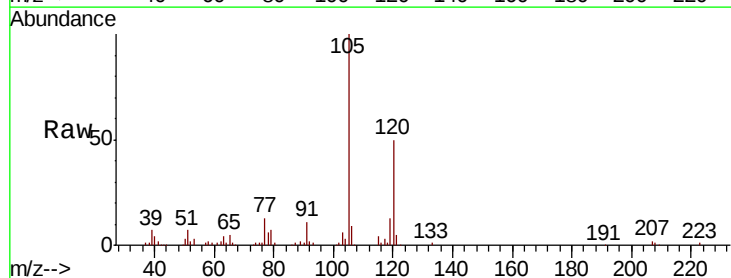
Acq: 15 Dec 2018 05:49

Tgt Ion: 105 Resp: 41778

Ion Ratio Lower Upper

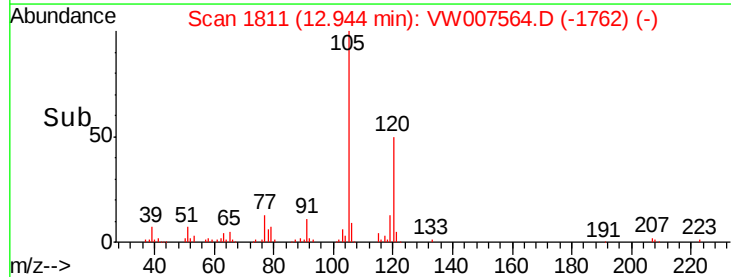
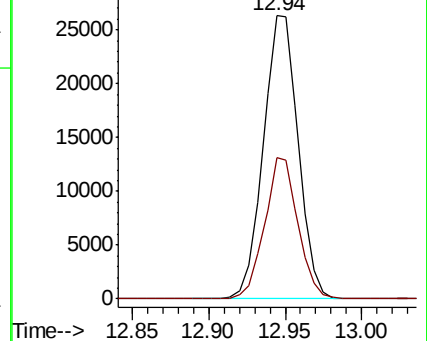
105 100

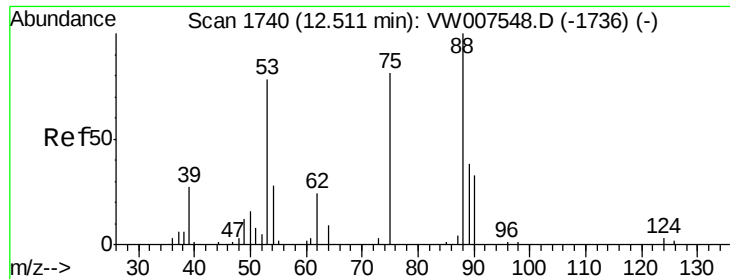
120 47.6 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 121.414 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

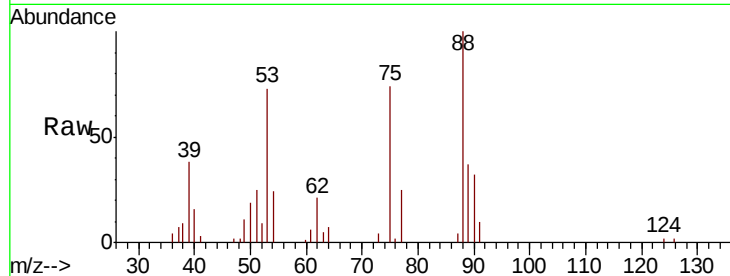
Tgt Ion: 75 Resp: 5663

Ion Ratio Lower Upper

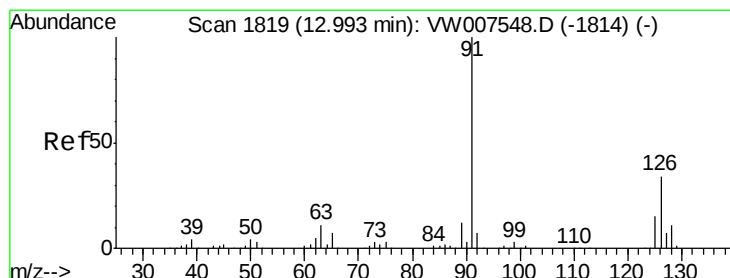
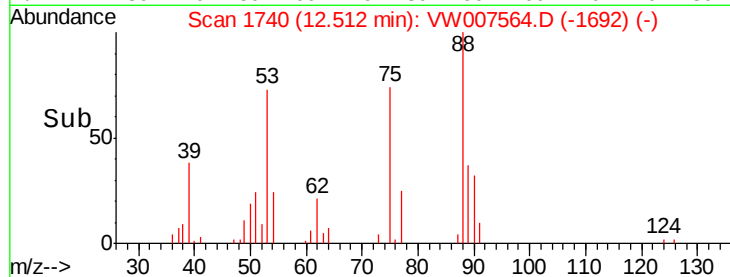
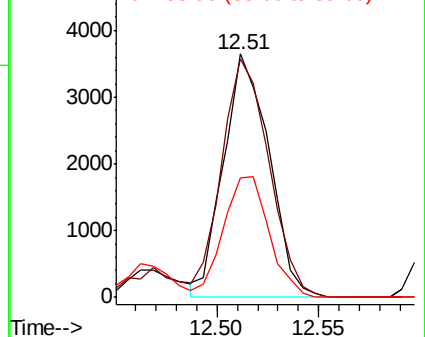
75 100

53 101.6 84.9 127.3

89 49.9 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 55.089 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007564.D

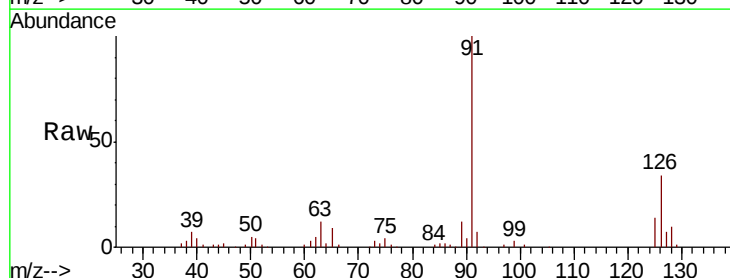
Acq: 15 Dec 2018 05:49

Tgt Ion: 91 Resp: 37862

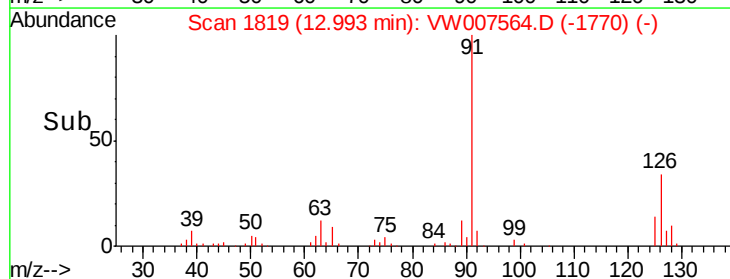
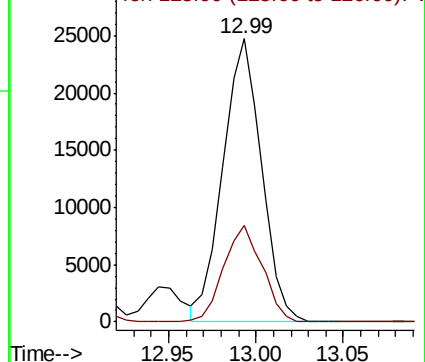
Ion Ratio Lower Upper

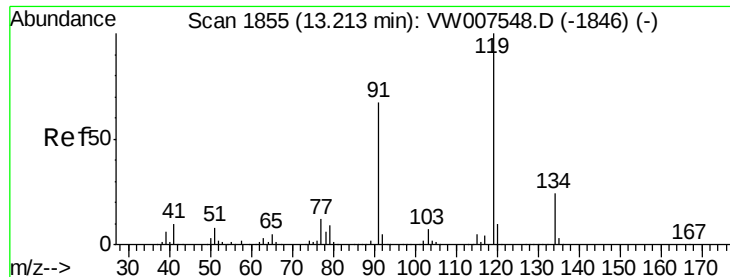
91 100

126 34.1 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

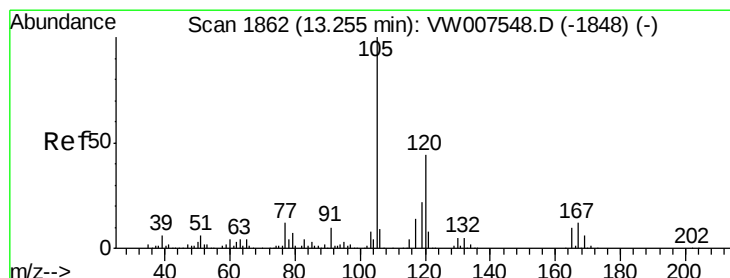
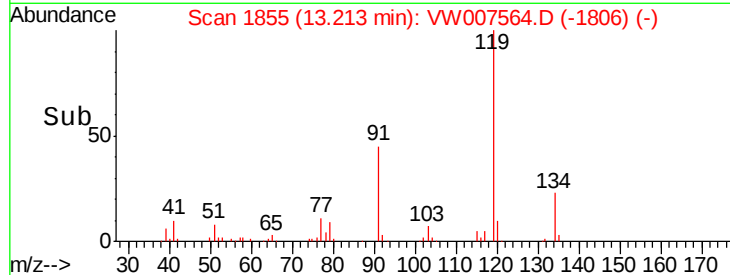
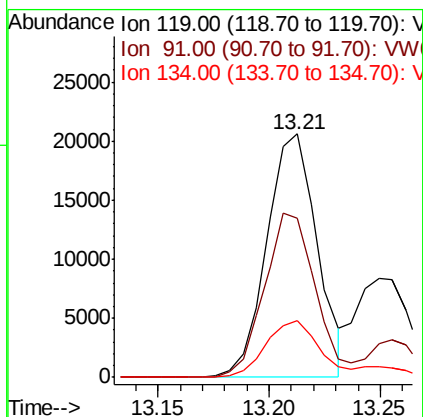
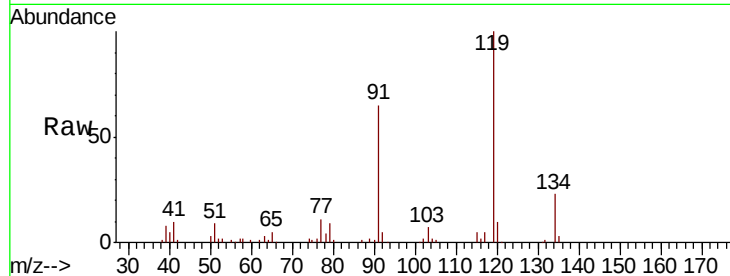




#83
tert-Butylbenzene
Concen: 45.676 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

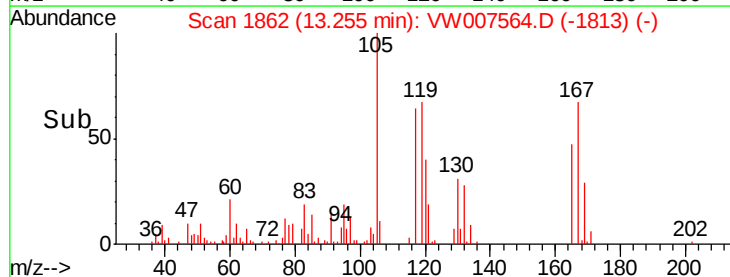
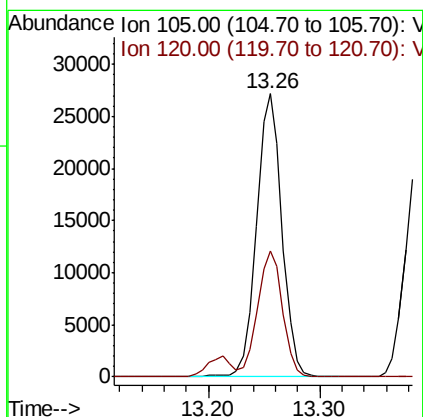
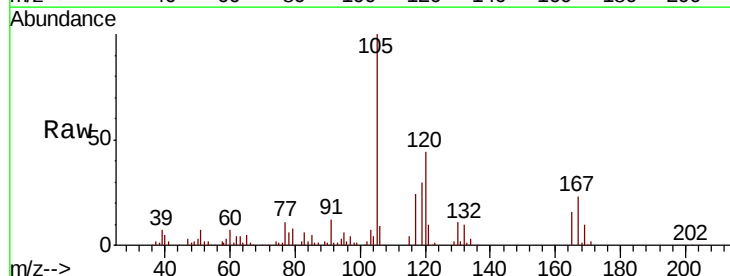
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01MSD

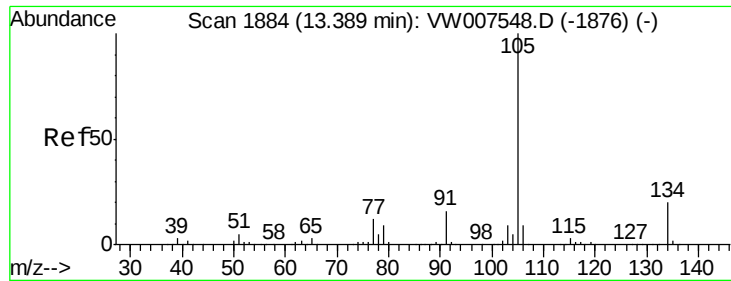
Tgt Ion:119 Resp: 32380
Ion Ratio Lower Upper
119 100
91 68.3 33.1 99.2
134 24.6 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 51.858 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion:105 Resp: 42933
Ion Ratio Lower Upper
105 100
120 44.0 22.6 67.7

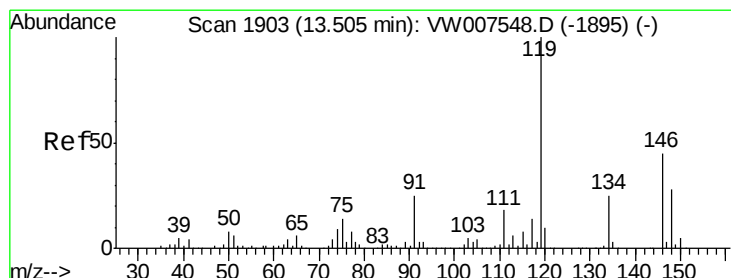
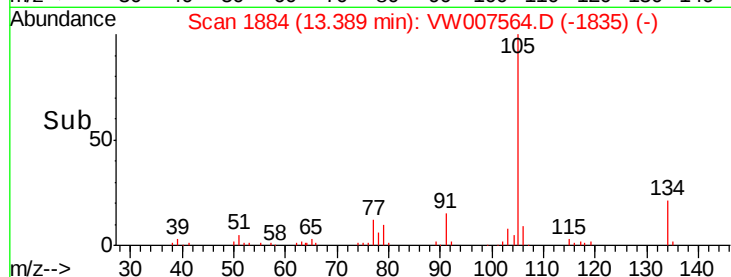
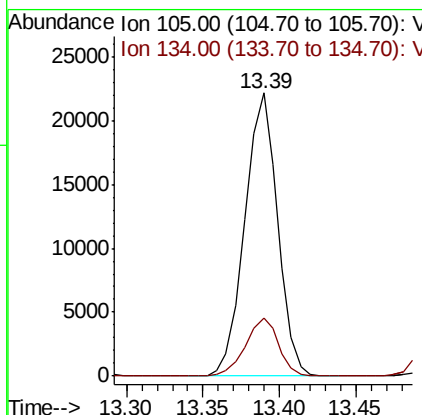
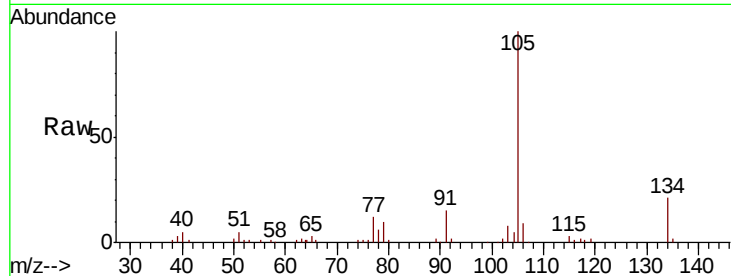




#85
 sec-Butylbenzene
 Concen: 34.029 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

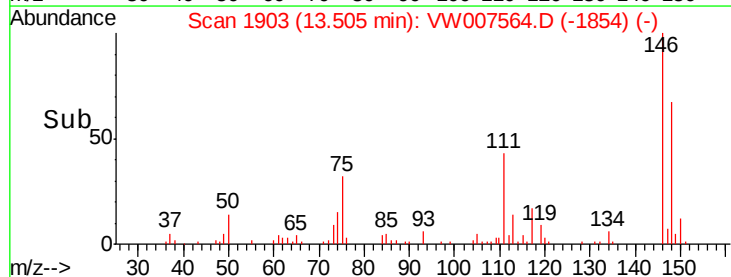
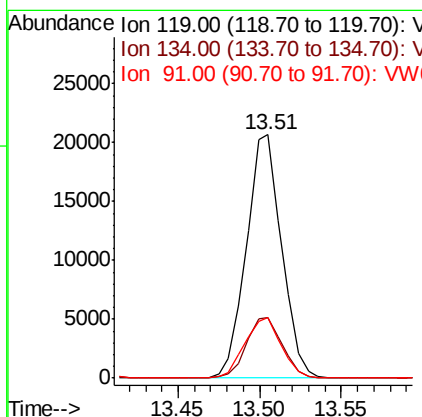
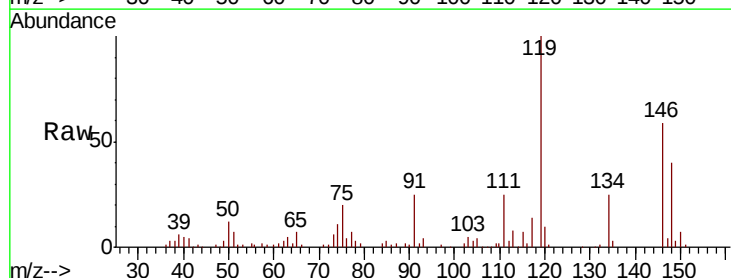
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

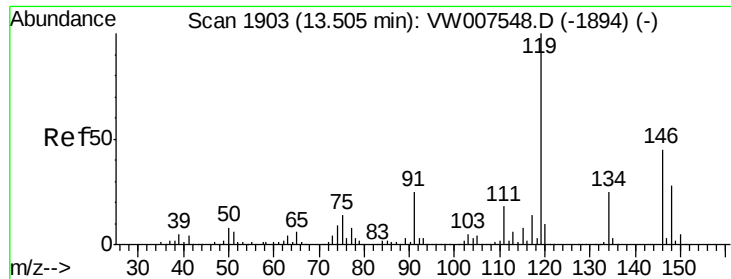
Tgt Ion:105 Resp: 32931
 Ion Ratio Lower Upper
 105 100
 134 20.6 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 35.800 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion:119 Resp: 31124
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 25.6 11.9 35.9

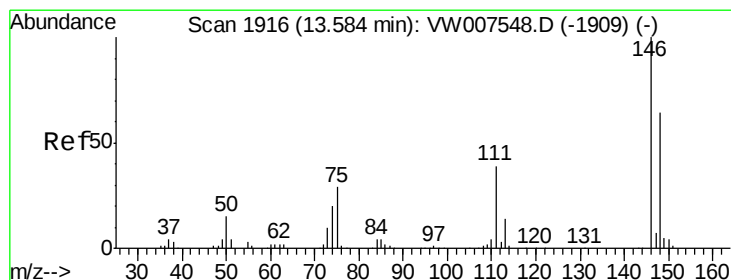
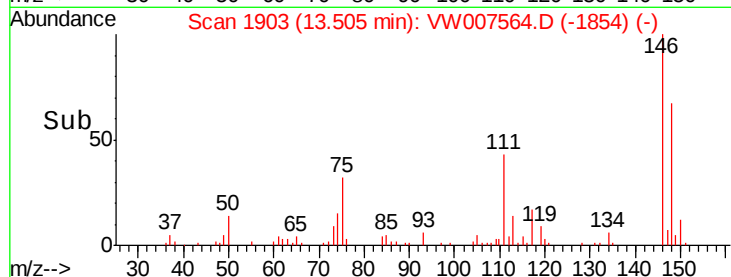
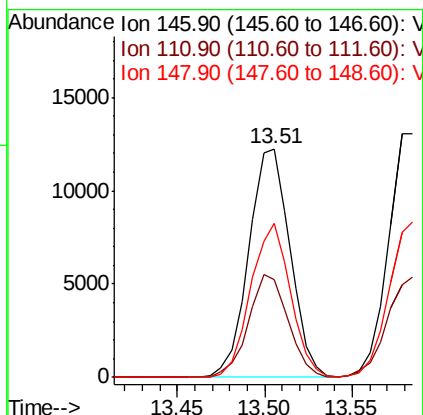
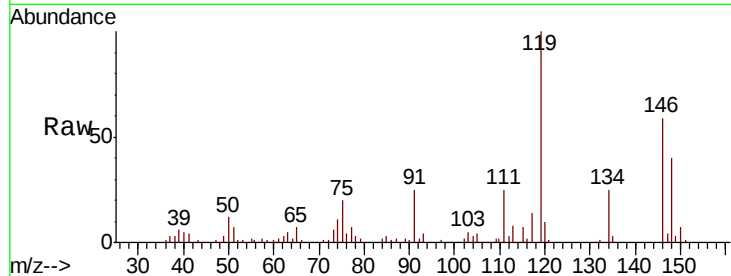




#87
 1,3-Dichlorobenzene
 Concen: 47.547 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

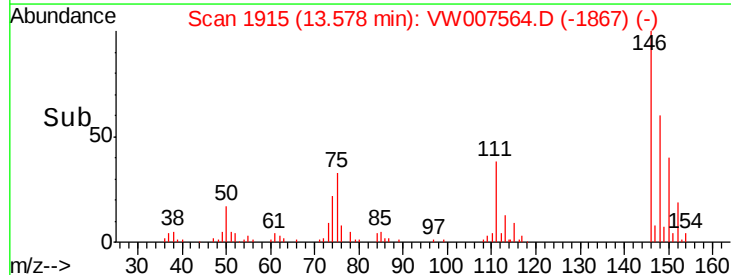
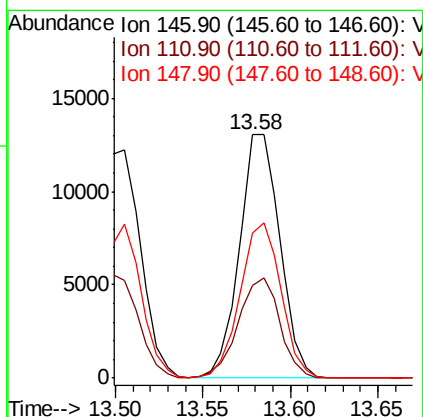
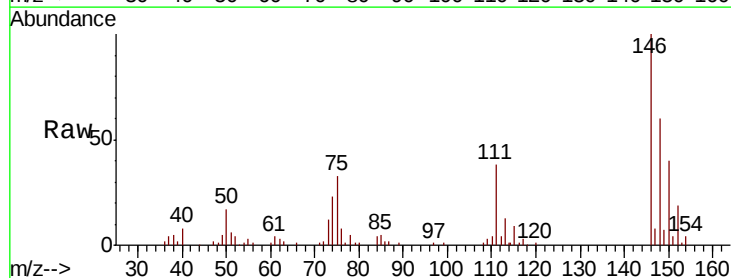
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

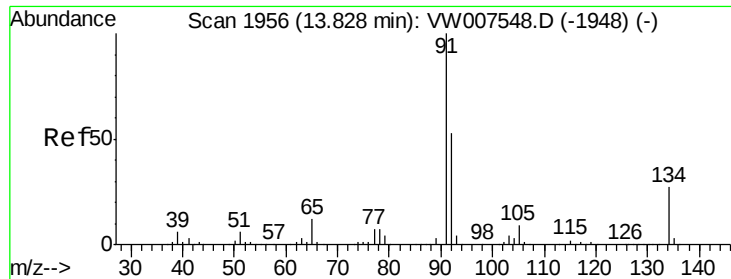
Tgt Ion:146 Resp: 20120
 Ion Ratio Lower Upper
 146 100
 111 43.3 20.1 60.3
 148 64.6 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 49.805 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion:146 Resp: 21188
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 64.0 33.5 100.5





#89

n-Butylbenzene

Concen: 25.425 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

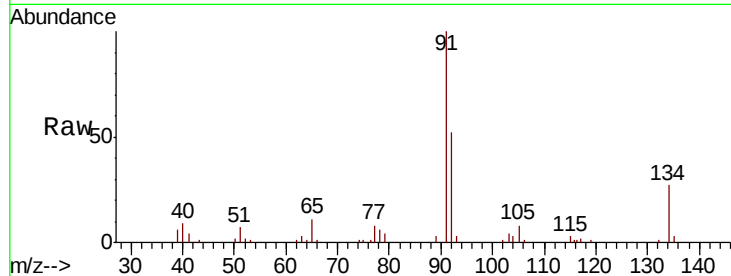
Tgt Ion: 91 Resp: 20492

Ion Ratio Lower Upper

91 100

92 52.4 25.7 77.1

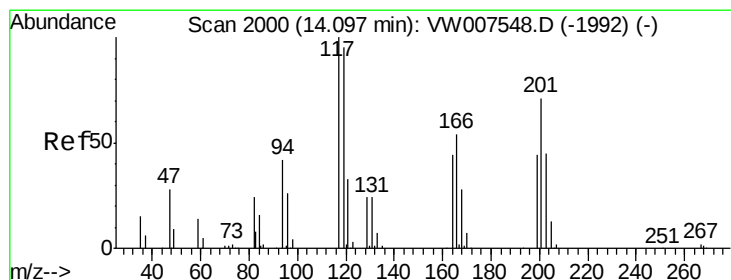
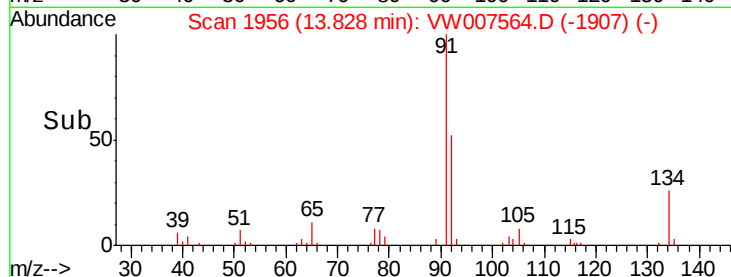
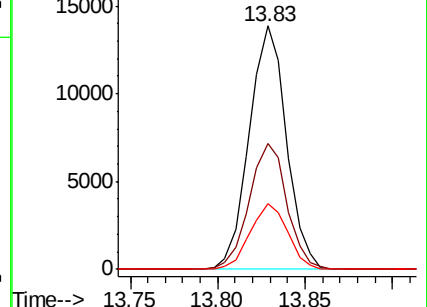
134 27.0 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 35.620 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007564.D

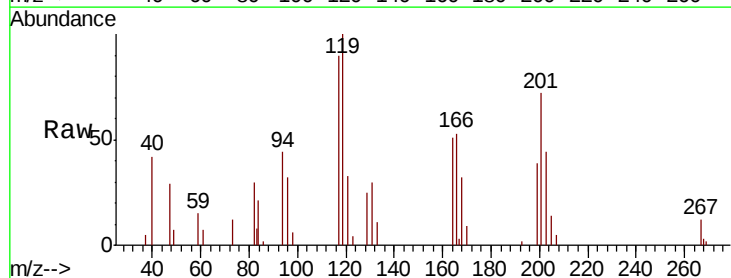
Acq: 15 Dec 2018 05:49

Tgt Ion: 117 Resp: 5510

Ion Ratio Lower Upper

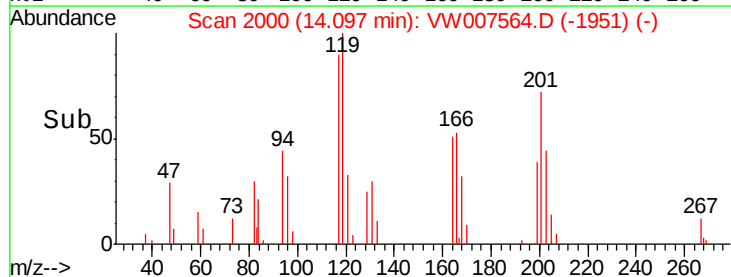
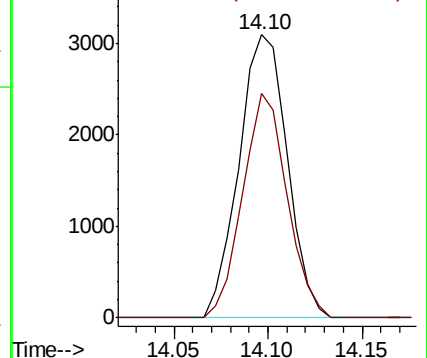
117 100

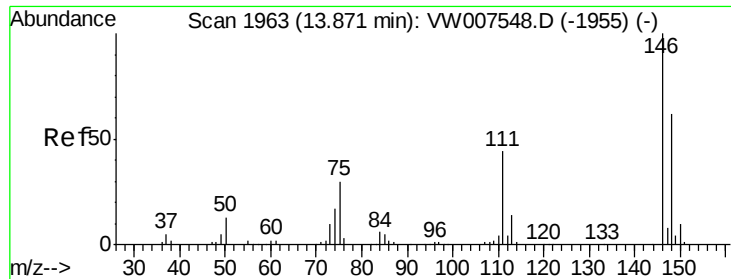
201 73.1 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.775 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01MSD

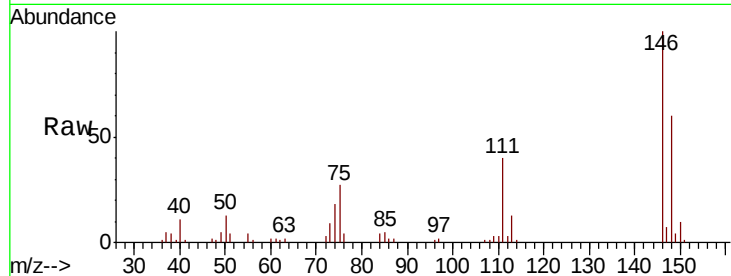
Tgt Ion:146 Resp: 19244

Ion Ratio Lower Upper

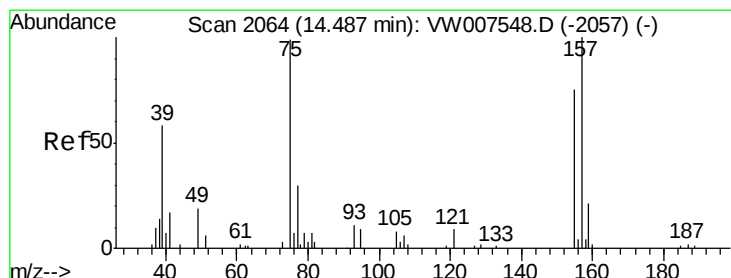
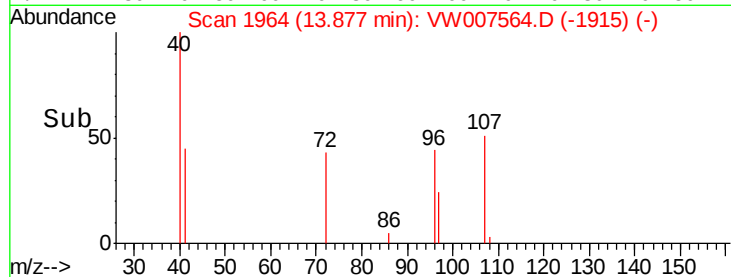
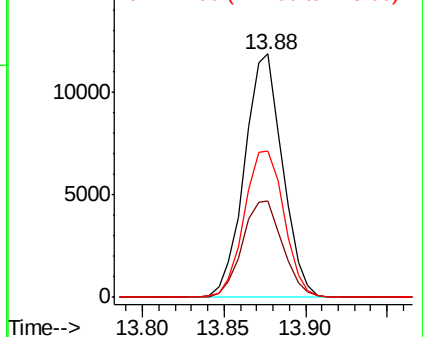
146 100

111 42.1 22.4 67.2

148 63.0 32.4 97.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 111.316 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007564.D

Acq: 15 Dec 2018 05:49

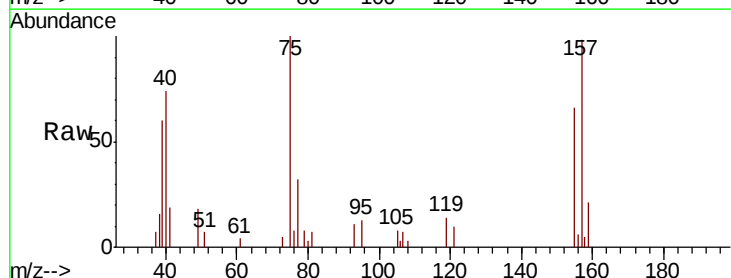
Tgt Ion: 75 Resp: 3168

Ion Ratio Lower Upper

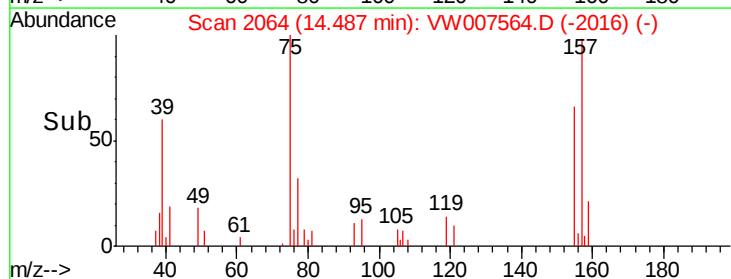
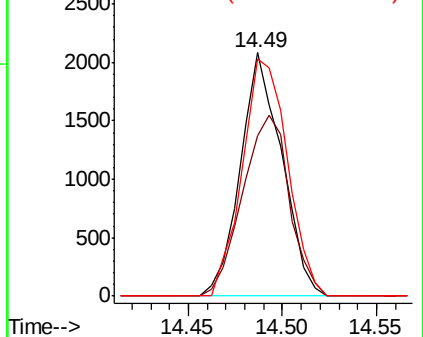
75 100

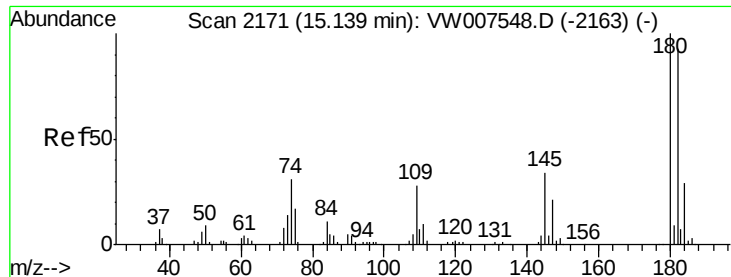
155 83.9 40.8 122.2

157 106.9 51.1 153.4



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

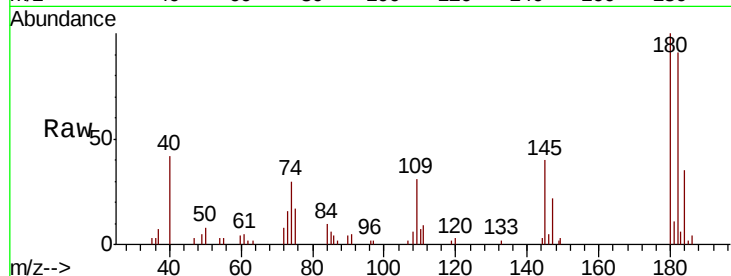




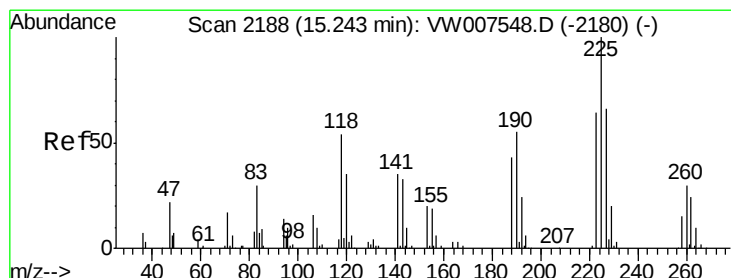
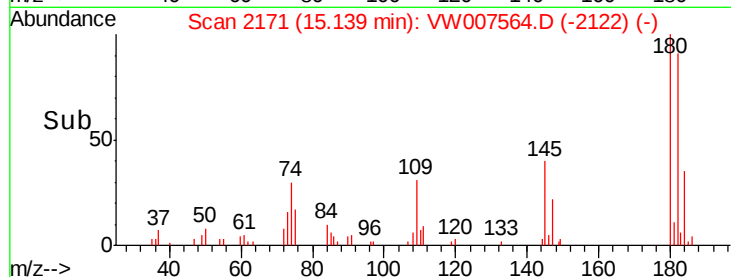
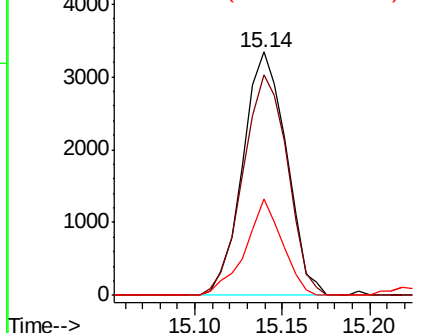
#93
 1,2,4-Trichlorobenzene
 Concen: 22.175 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

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

Tgt Ion:180 Resp: 5784
 Ion Ratio Lower Upper
 180 100
 182 92.4 49.9 149.6
 145 33.7 17.8 53.4

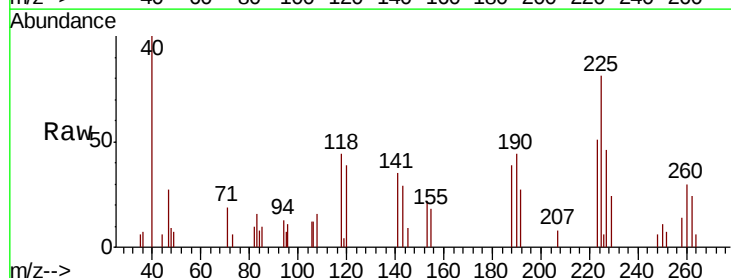


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

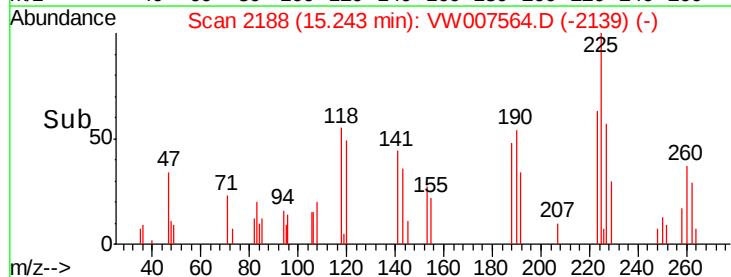
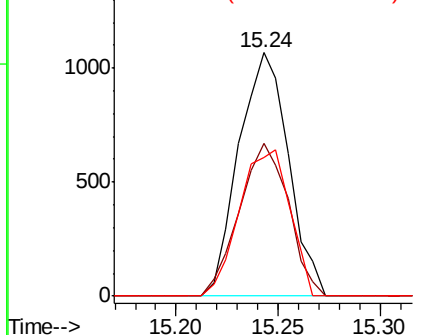


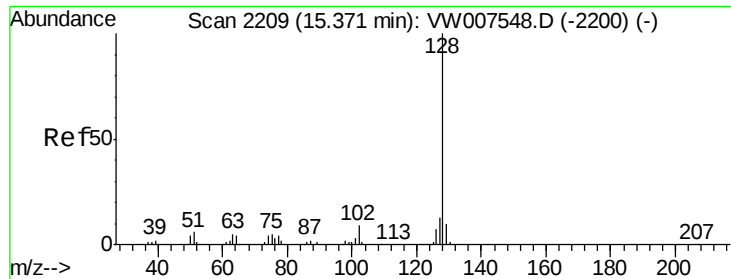
#94
 Hexachlorobutadiene
 Concen: 13.043 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007564.D
 Acq: 15 Dec 2018 05:49

Tgt Ion:225 Resp: 1805
 Ion Ratio Lower Upper
 225 100
 223 62.3 32.1 96.3
 227 61.1 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

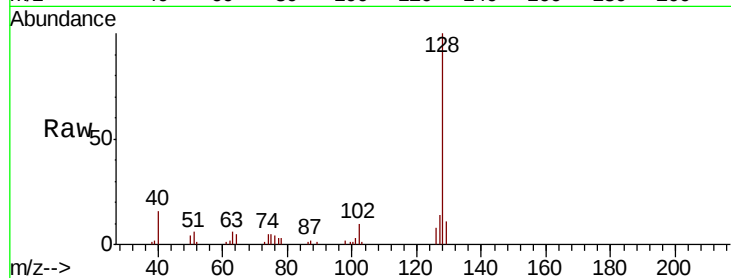




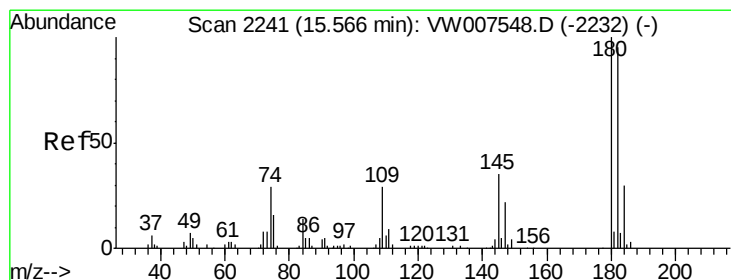
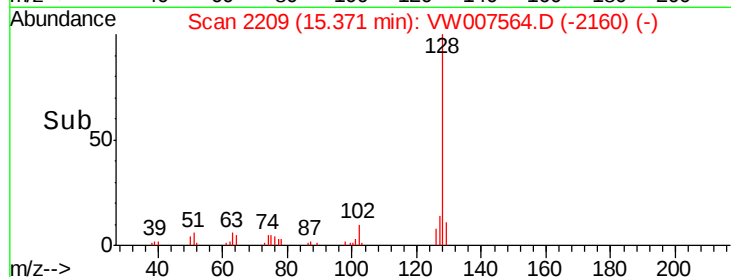
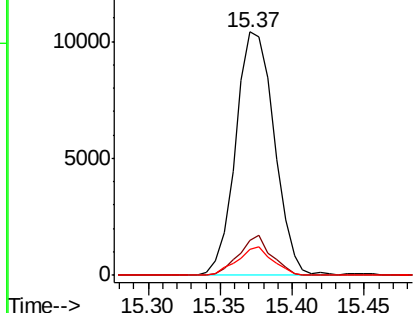
#95
Naphthalene
Concen: 38.886 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

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

Tgt Ion:128 Resp: 19403
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.5 8.3 12.5

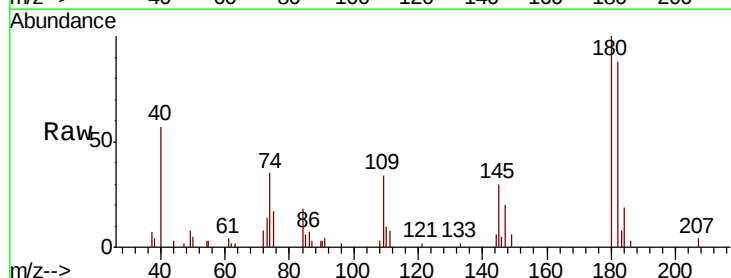


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.817 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007564.D
Acq: 15 Dec 2018 05:49

Tgt Ion:180 Resp: 4490
Ion Ratio Lower Upper
180 100
182 94.9 45.6 136.7
145 36.6 17.5 52.5



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

