

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011347.D
 Acq On : 18 Jul 2019 21:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:47:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	108045	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	7.88	113	85381	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	10.32	98	337709	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.62	95	126146	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58946	44.925	ug/l	100
3) Chloromethane	2.21	50	85615	50.638	ug/l	97
4) Vinyl Chloride	2.36	62	101629	45.925	ug/l	95
5) Bromomethane	2.77	94	53952	48.519	ug/l	92
6) Chloroethane	2.92	64	57208	47.996	ug/l	99
7) Trichlorofluoromethane	3.25	101	33319	42.383	ug/l	99
8) Diethyl Ether	3.67	74	55999	51.482	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	90098	47.847	ug/l	99
10) Methyl Iodide	4.26	142	129629	50.052	ug/l	100
11) Tert butyl alcohol	5.17	59	45345	277.054	ug/l	98
12) 1,1-Dichloroethene	4.04	96	95050	48.633	ug/l	95
13) Acrolein	3.89	56	27653	212.180	ug/l	100
14) Allyl chloride	4.66	41	165653	46.480	ug/l	98
15) Acrylonitrile	5.36	53	153205	276.556	ug/l	99
16) Acetone	4.12	43	152362	286.446	ug/l	100
17) Carbon Disulfide	4.38	76	279566	47.183	ug/l	99
18) Methyl Acetate	4.67	43	80993	53.648	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	156776	52.867	ug/l	97
20) Methylene Chloride	4.91	84	116203	55.379	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	101433	49.947	ug/l	97
22) Diisopropyl ether	6.31	45	398997	52.051	ug/l	99
23) Vinyl Acetate	6.24	43	1313126	276.803	ug/l	100
24) 1,1-Dichloroethane	6.21	63	206799	51.376	ug/l	99
25) 2-Butanone	7.17	43	241327	289.032	ug/l	99
26) 2,2-Dichloropropane	7.16	77	99668	47.634	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	113138	51.645	ug/l	100
28) Bromochloromethane	7.51	49	84714	46.285	ug/l	100
29) Tetrahydrofuran	7.52	42	153678	280.698	ug/l	100
30) Chloroform	7.67	83	188519	50.572	ug/l	98
31) Cyclohexane	7.95	56	193897	45.279	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	138398	48.806	ug/l	99
36) 1,1-Dichloropropene	8.08	75	150365	48.448	ug/l	99
37) Ethyl Acetate	7.25	43	102818	55.138	ug/l	99
38) Carbon Tetrachloride	8.06	117	127025	48.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	178924	47.564	ug/l	99
40) Benzene	8.32	78	435000	50.716	ug/l	99
41) Methacrylonitrile	7.48	41	64210	60.206	ug/l	91
42) 1,2-Dichloroethane	8.40	62	144711	52.010	ug/l	100
43) Isopropyl Acetate	8.42	43	190636	54.149	ug/l	100
44) Trichloroethene	9.09	130	101979	49.408	ug/l	98
45) 1,2-Dichloropropane	9.37	63	120088	51.703	ug/l	99
46) Dibromomethane	9.46	93	56901	52.151	ug/l	99
47) Bromodichloromethane	9.64	83	144273	51.679	ug/l	100
48) Methyl methacrylate	9.43	41	93183	55.016	ug/l	98
49) 1,4-Dioxane	9.45	88	19754	1084.671	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	517762	281.535	ug/l	100
52) Toluene	10.38	92	263980	50.736	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	148719	50.047	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	174434	49.871	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	82171	53.087	ug/l	97
56) Ethyl methacrylate	10.64	69	125598	53.297	ug/l	98
57) 1,3-Dichloropropane	10.93	76	155588	53.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	242181	221.673	ug/l	99
59) 2-Hexanone	10.97	43	354336	277.825	ug/l	100
60) Dibromochloromethane	11.13	129	87871	51.770	ug/l	100
61) 1,2-Dibromoethane	11.23	107	78016	53.210	ug/l	99
64) Tetrachloroethene	10.86	164	90350	50.690	ug/l	97
65) Chlorobenzene	11.66	112	267206	49.755	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94659	50.060	ug/l	100
67) Ethyl Benzene	11.73	91	508394	49.450	ug/l	98
68) m/p-Xylenes	11.84	106	370340	99.552	ug/l	100
69) o-Xylene	12.16	106	175387	50.022	ug/l	99
70) Styrene	12.18	104	309481	51.144	ug/l	99
71) Bromoform	12.35	173	49944	49.677	ug/l #	100
73) Isopropylbenzene	12.46	105	475367	48.206	ug/l	100
74) N-amyl acetate	12.27	43	177269	51.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	104284	51.590	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	134115	87.975	ug/l #	100
77) Bromobenzene	12.74	156	108867	49.194	ug/l	100
78) n-propylbenzene	12.80	91	589290	48.511	ug/l	100
79) 2-Chlorotoluene	12.89	91	337565	48.290	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	408242	48.730	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	30457	45.188	ug/l	99
82) 4-Chlorotoluene	12.99	91	357942	49.162	ug/l	100
83) tert-Butylbenzene	13.21	119	339466	48.586	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	413445	49.149	ug/l	99
85) sec-Butylbenzene	13.38	105	482134	47.823	ug/l	99
86) p-Isopropyltoluene	13.50	119	439592	48.614	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	210170	49.360	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	212423	49.544	ug/l	99
89) n-Butylbenzene	13.82	91	435084	48.233	ug/l	99
90) Hexachloroethane	14.09	117	77781	47.072	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	191813	49.656	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18235	50.857	ug/l	97

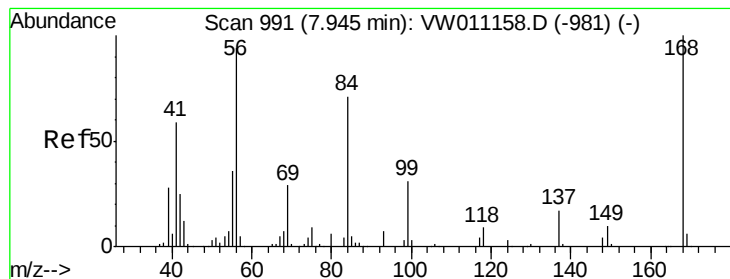
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	134256	50.461	ug/l	98
94) Hexachlorobutadiene	15.24	225	77509	47.451	ug/l	100
95) Naphthalene	15.37	128	272564	53.460	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	118376	50.413	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

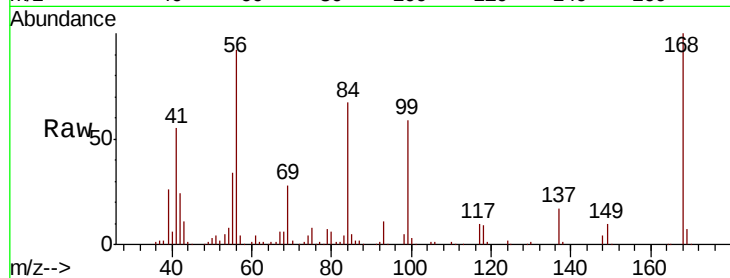
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 175931

Ion Ratio Lower Upper

168 100

99 58.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

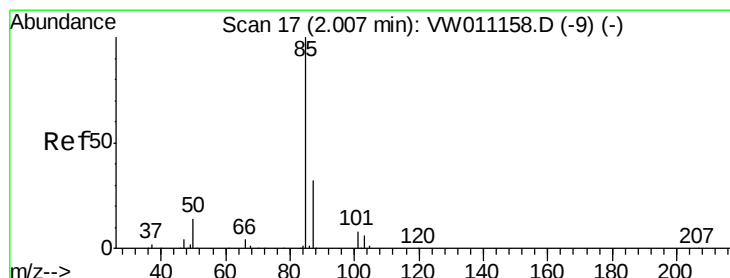
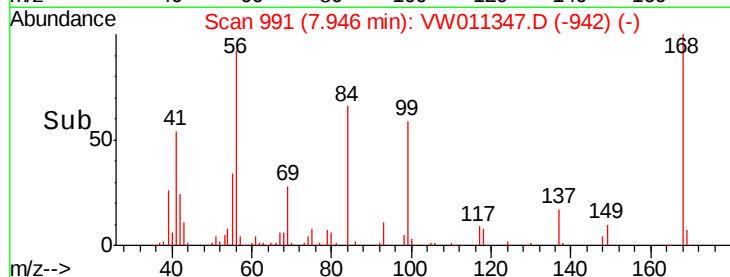
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 44.925 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011347.D

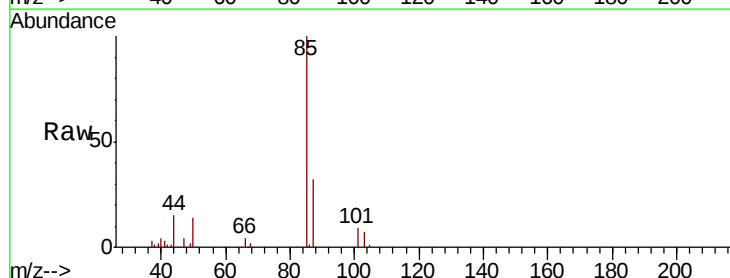
Acq: 18 Jul 2019 21:35

Tgt Ion: 85 Resp: 58946

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

10000

5000

0

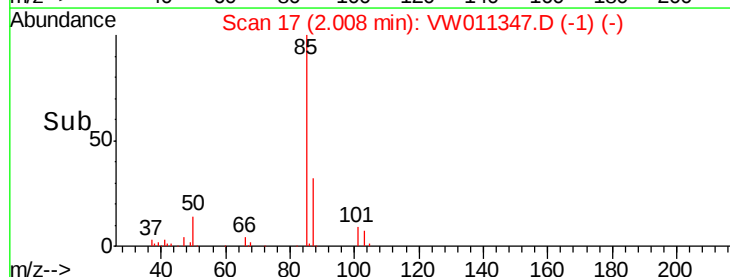
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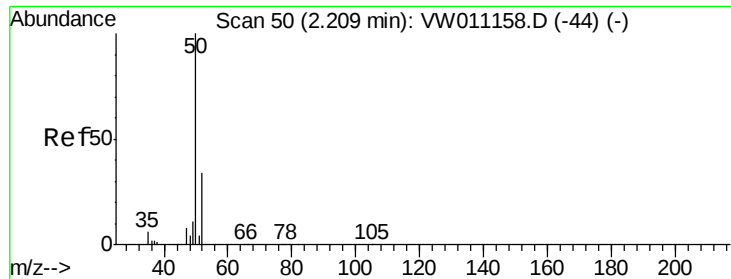
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 50.638 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

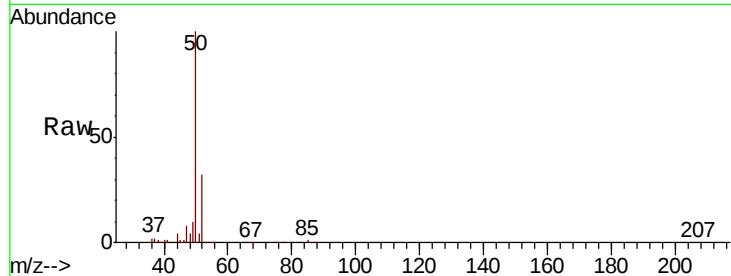
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 85615

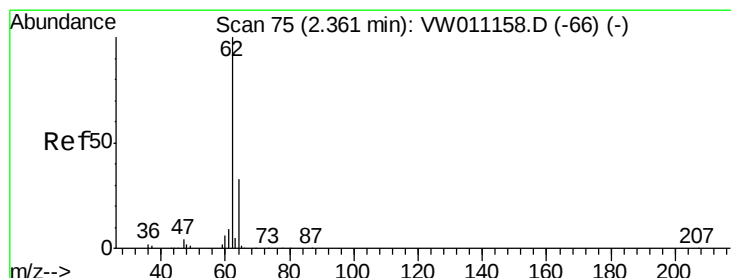
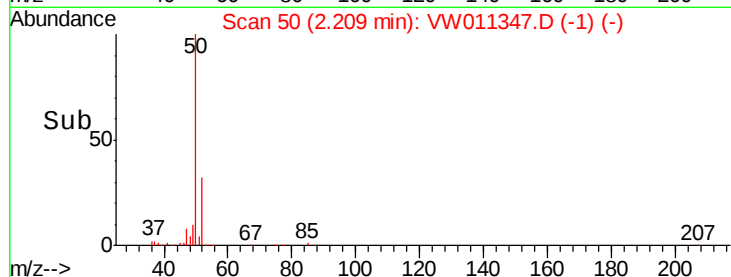
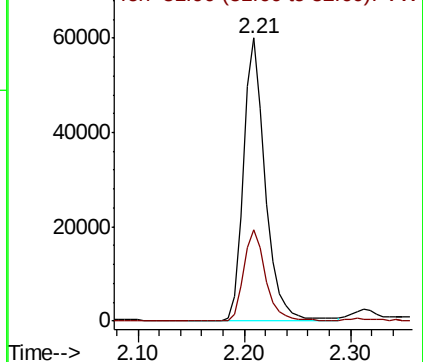
Ion Ratio Lower Upper

50 100

52 32.2 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW
Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 45.925 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011347.D

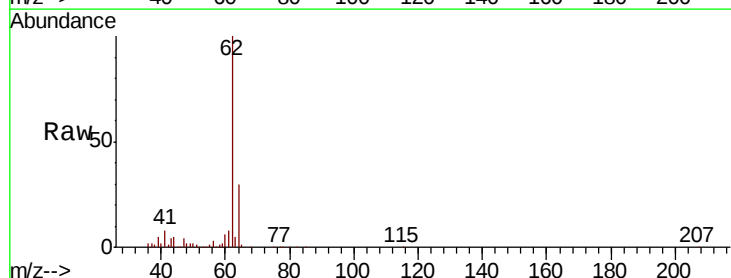
Acq: 18 Jul 2019 21:35

Tgt Ion: 62 Resp: 101629

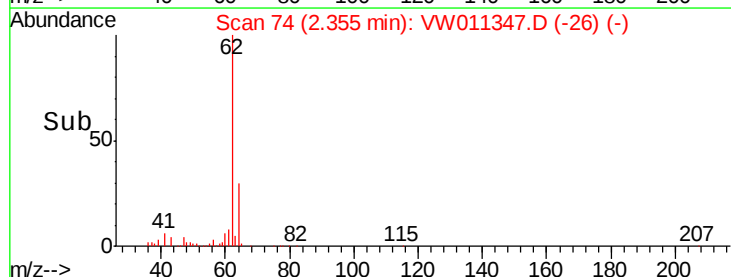
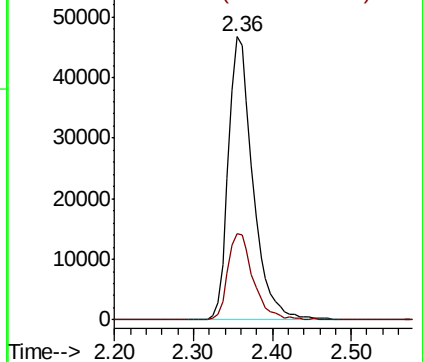
Ion Ratio Lower Upper

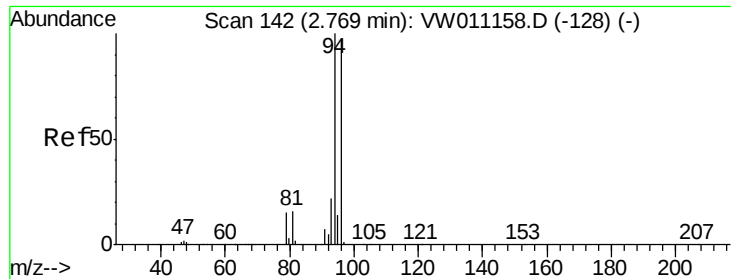
62 100

64 30.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.519 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

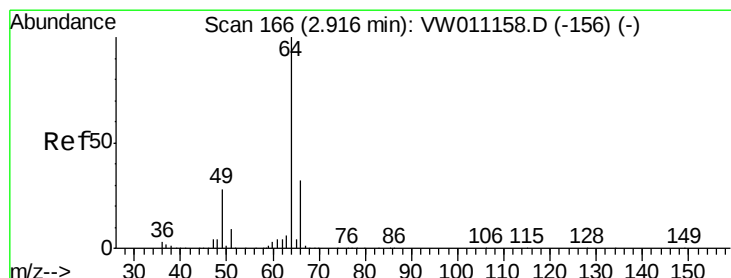
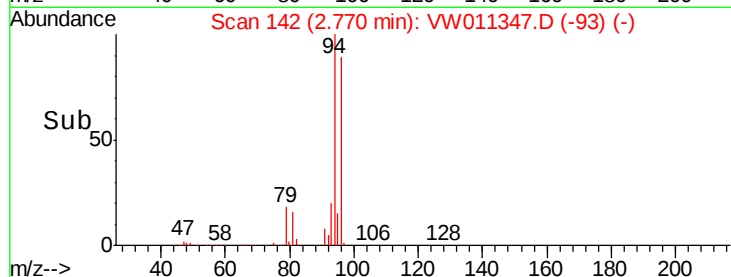
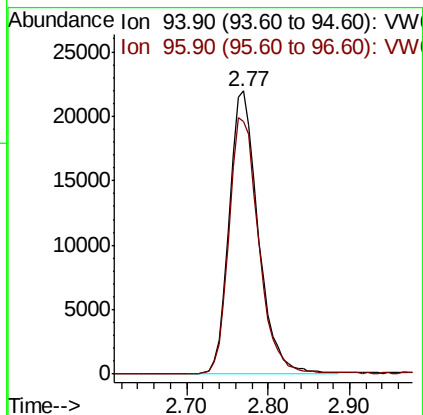
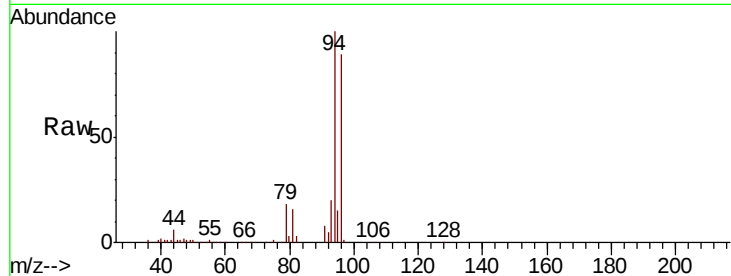
ClientSampled :

Tot Ion: 94 Resp: 53952

Ion Ratio Lower Upper

94 100

96 89.3 77.4 116.0



#6

Chloroethane

Concen: 47.996 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011347.D

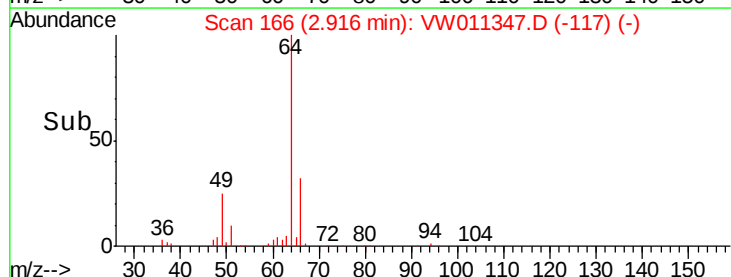
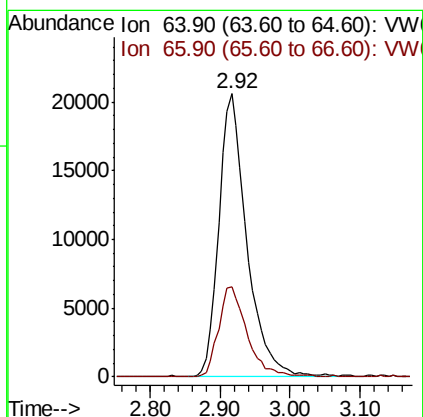
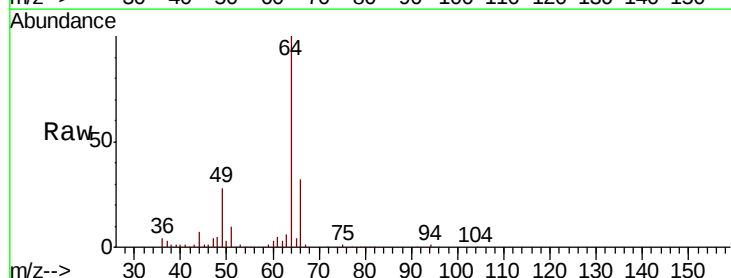
Acq: 18 Jul 2019 21:35

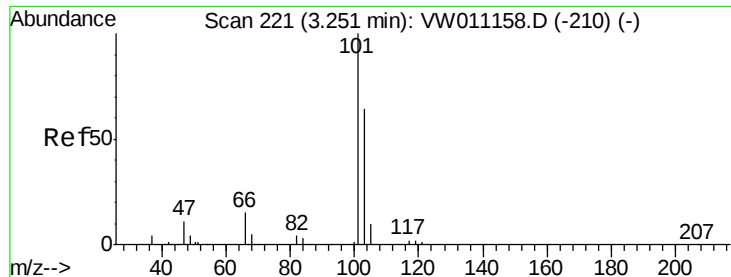
Tgt Ion: 64 Resp: 57208

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8



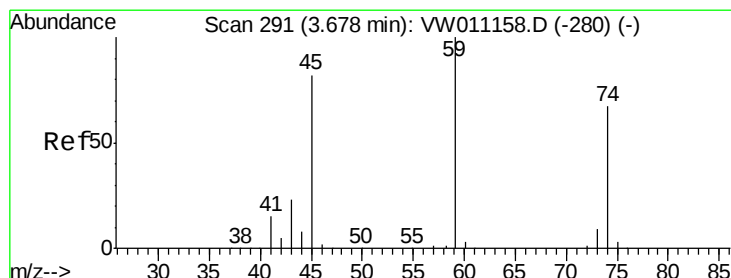
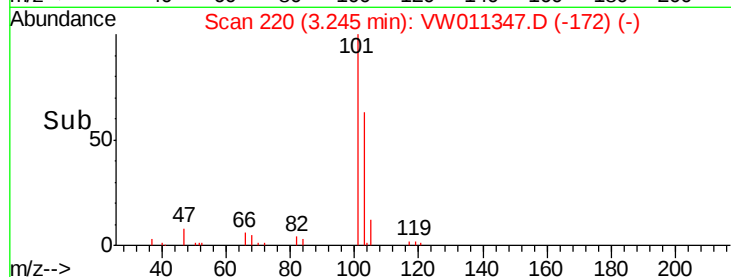
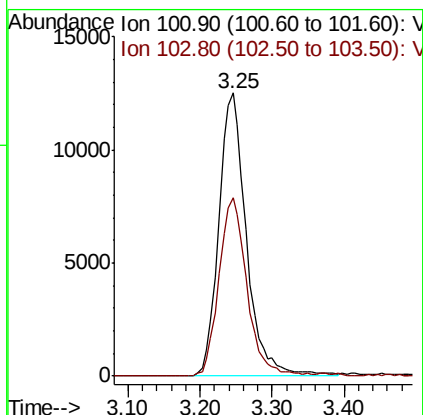
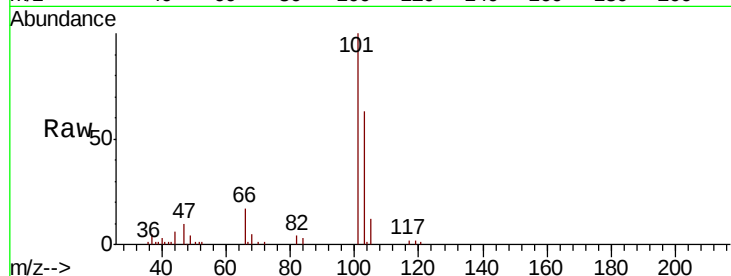


#7

Trichlorofluoromethane
Concen: 42.383 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampled :

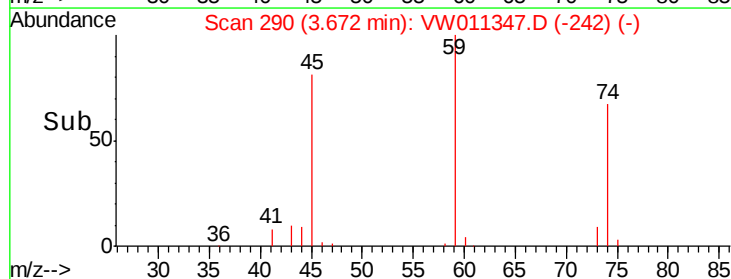
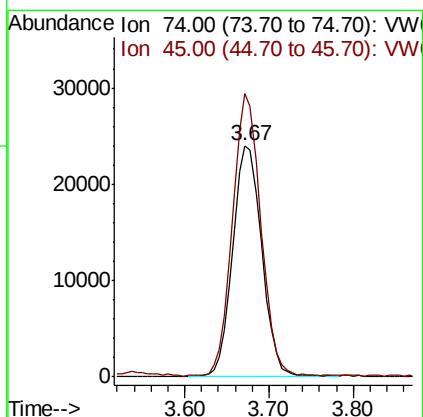
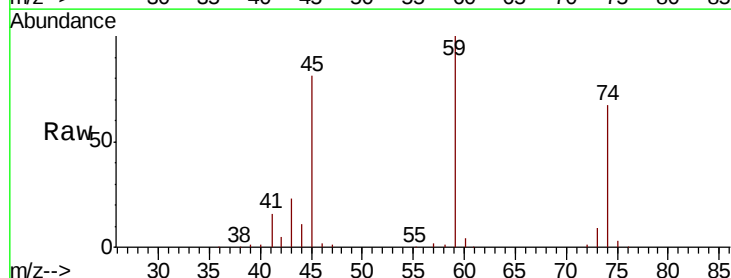
Tot Ion:101 Resp: 33319
Ion Ratio Lower Upper
101 100
103 63.2 51.3 76.9



#8

Diethyl Ether
Concen: 51.482 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 74 Resp: 55999
Ion Ratio Lower Upper
74 100
45 119.1 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.847 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

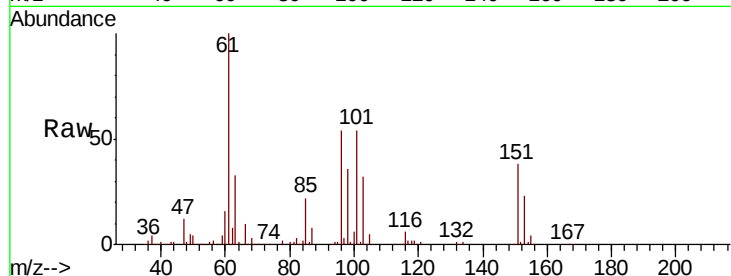
Tot Ion:101 Resp: 90098

Ion Ratio Lower Upper

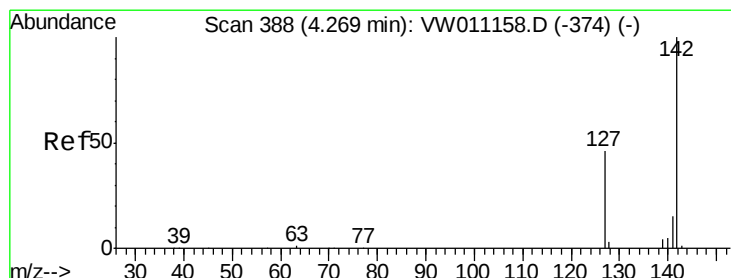
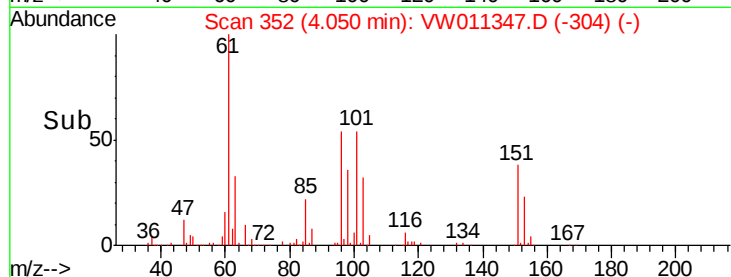
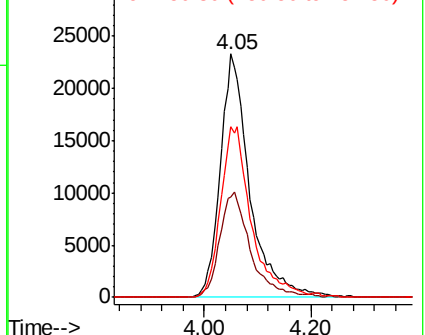
101 100

85 45.3 36.5 54.7

151 72.7 59.1 88.7



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: 50.052 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

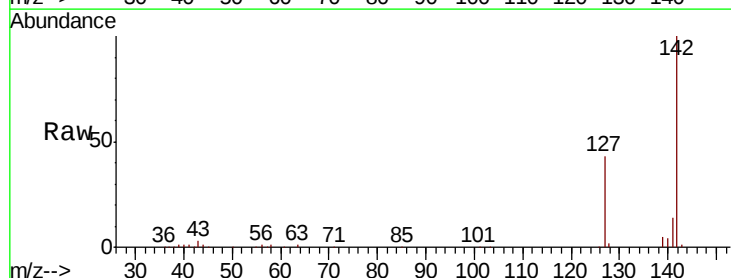
Tgt Ion:142 Resp: 129629

Ion Ratio Lower Upper

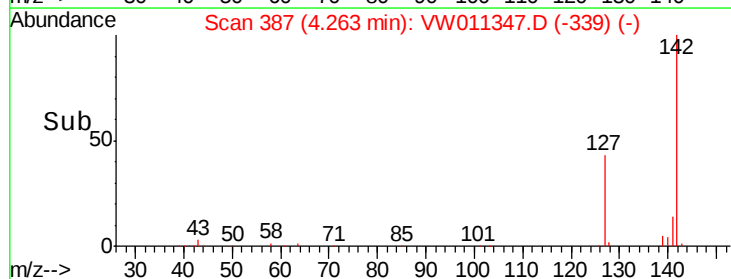
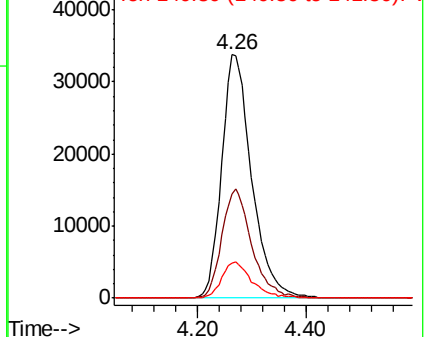
142 100

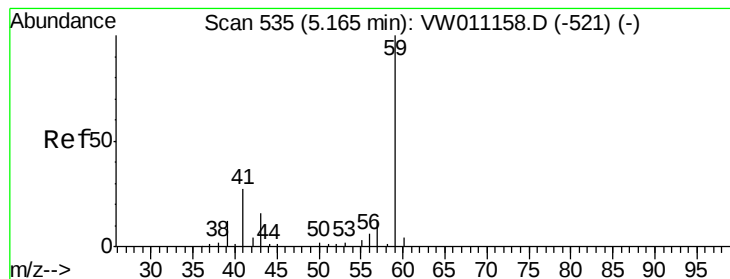
127 44.7 35.7 53.5

141 14.9 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



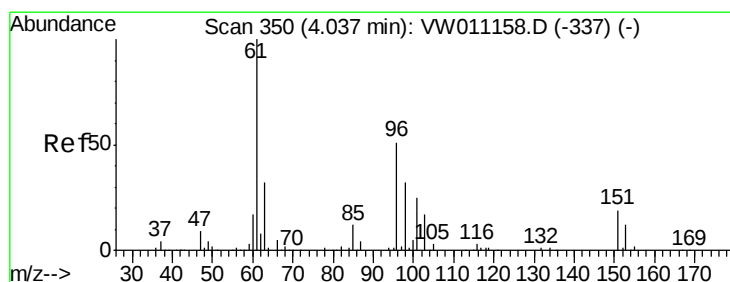
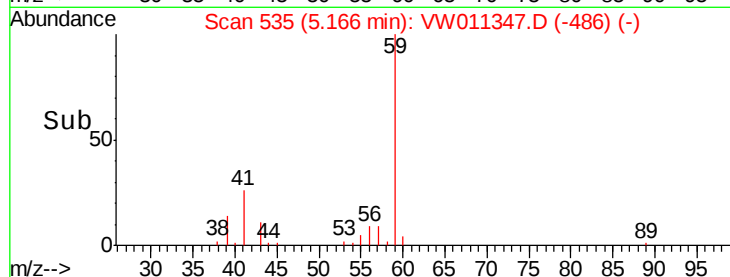
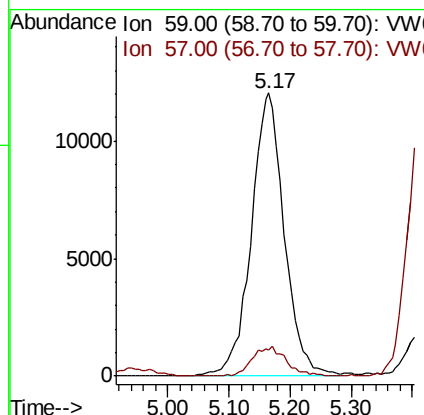
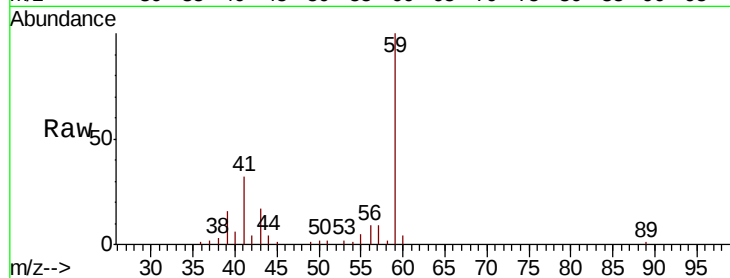


#11

Tert butyl alcohol
Concen: 277.054 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampled :

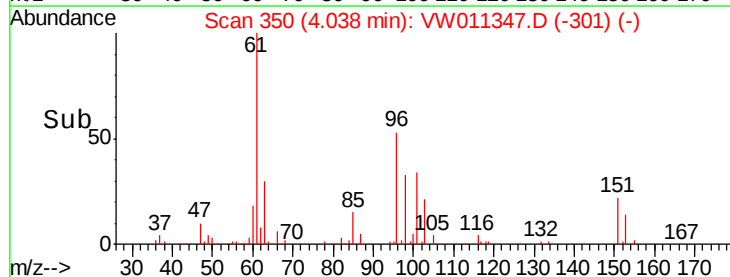
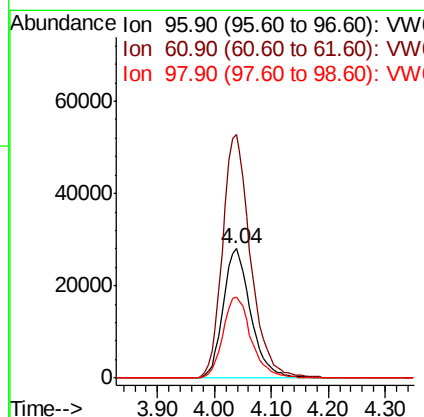
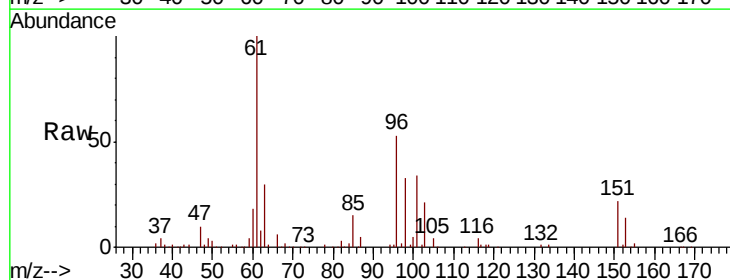
Tot Ion: 59 Resp: 45345
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.6

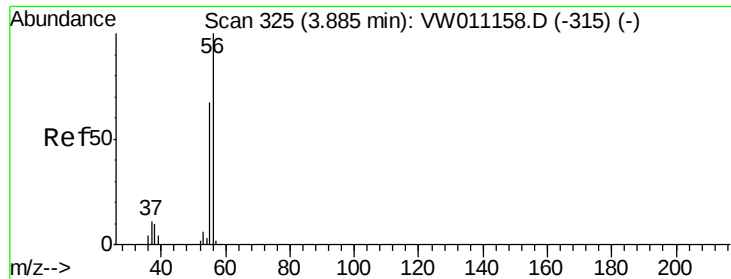


#12

1,1-Dichloroethene
Concen: 48.633 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 96 Resp: 95050
Ion Ratio Lower Upper
96 100
61 188.1 157.7 236.5
98 63.0 50.9 76.3





#13

Acrolein

Concen: 212.180 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

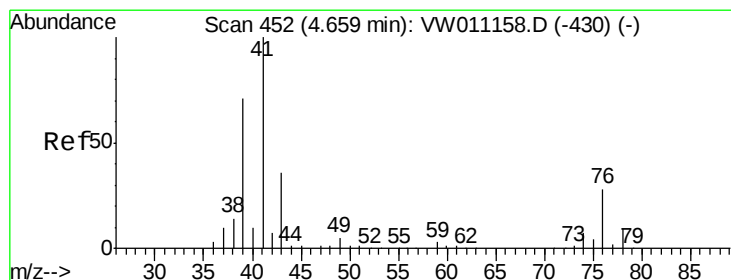
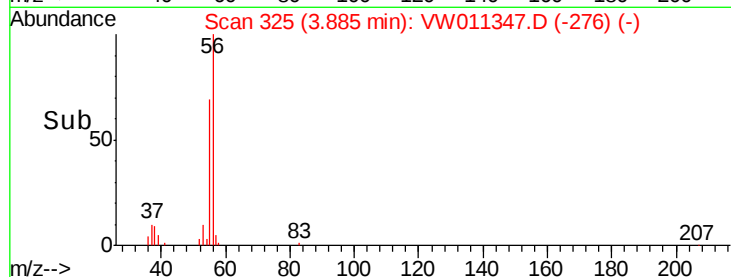
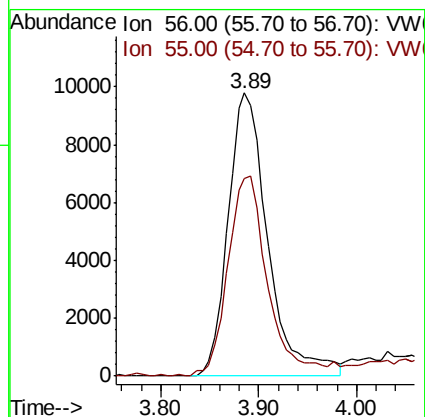
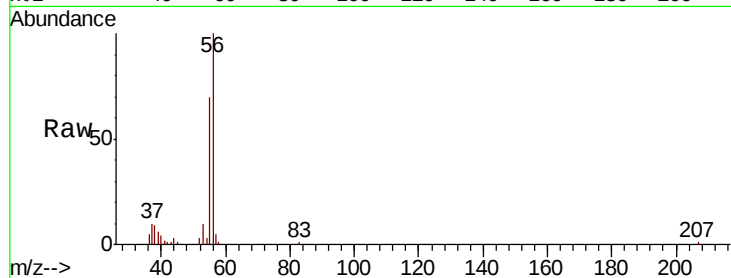
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 27653

Ion Ratio Lower Upper

56 100

55 70.6 56.4 84.6



#14

Allyl chloride

Concen: 46.480 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

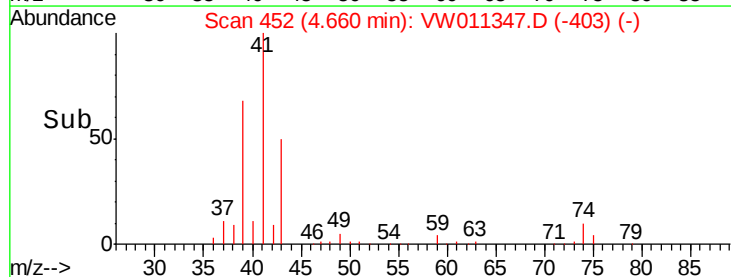
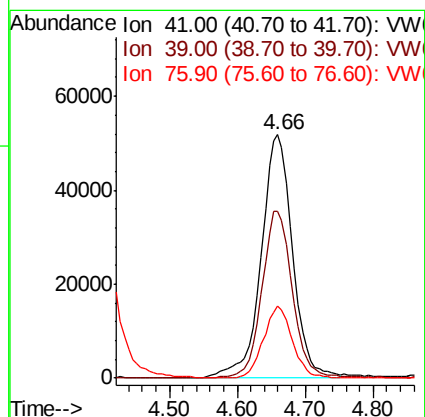
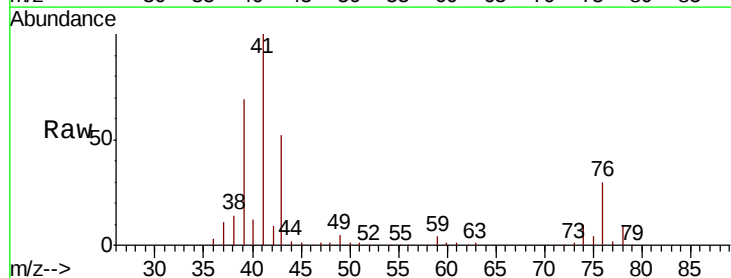
Tgt Ion: 41 Resp: 165653

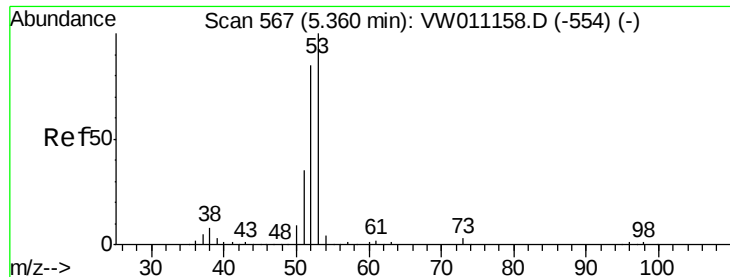
Ion Ratio Lower Upper

41 100

39 66.9 55.1 82.7

76 27.2 22.5 33.7





#15

Acrylonitrile

Concen: 276.556 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

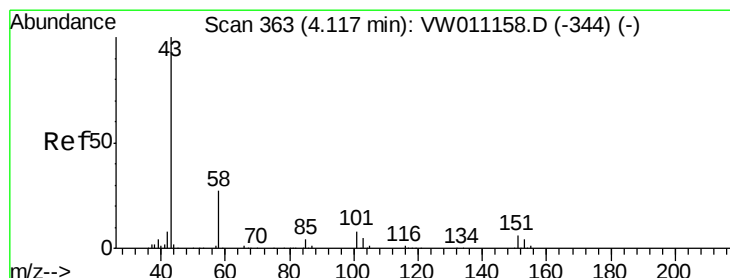
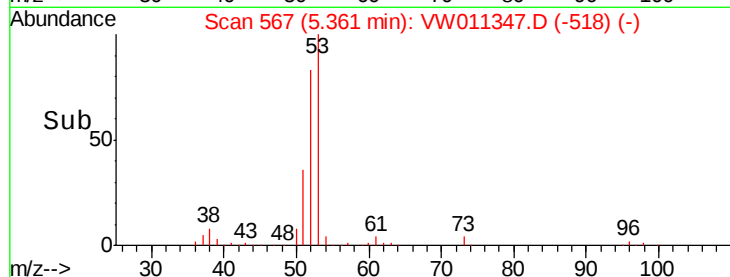
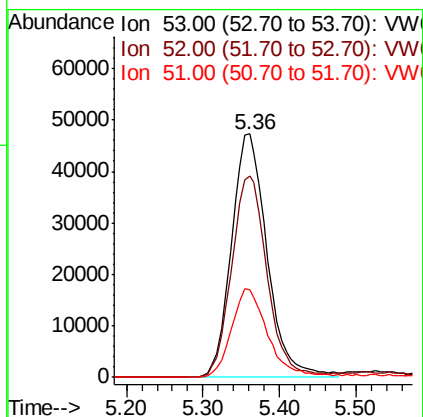
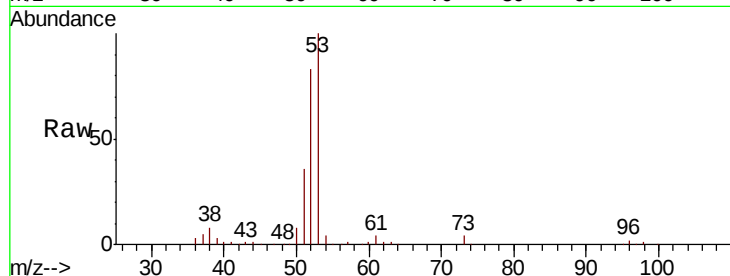
Tot Ion: 53 Resp: 153205

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.4

51 37.1 29.1 43.7



#16

Acetone

Concen: 286.446 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011347.D

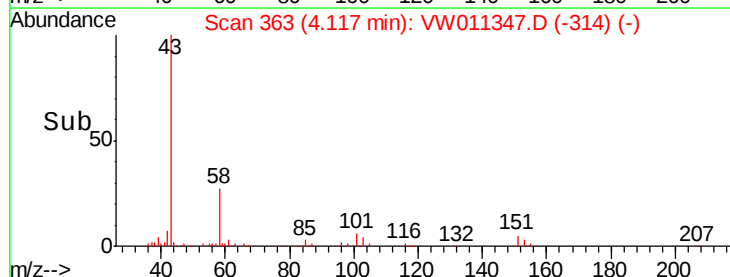
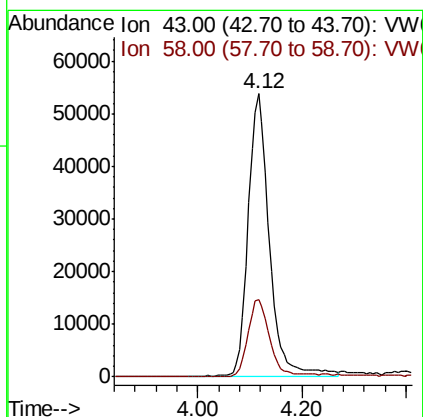
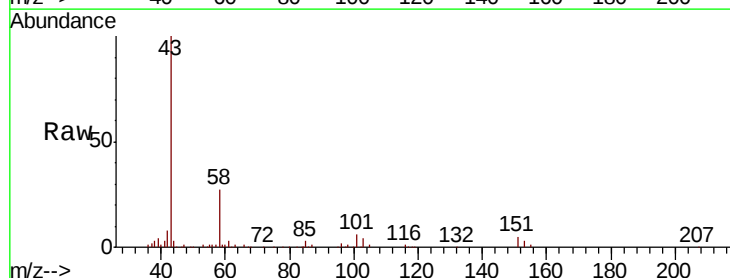
Acq: 18 Jul 2019 21:35

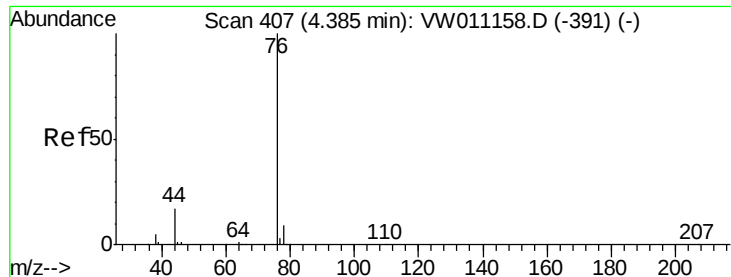
Tgt Ion: 43 Resp: 152362

Ion Ratio Lower Upper

43 100

58 27.0 21.8 32.6

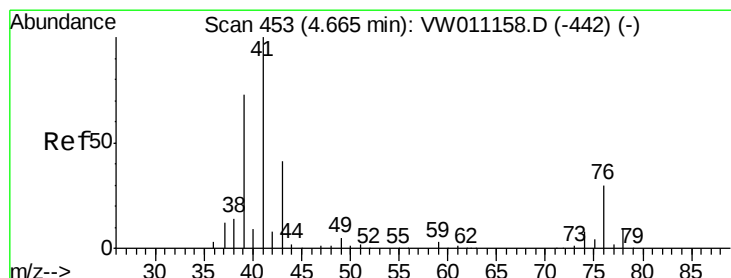
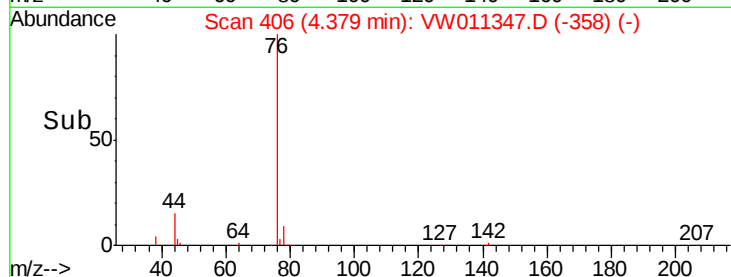
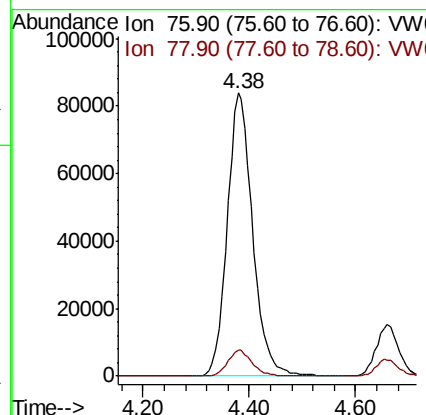
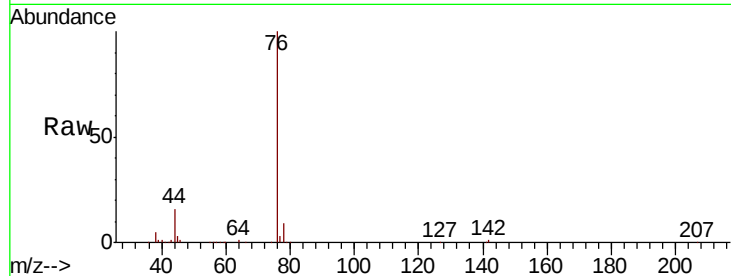




#17
Carbon Disulfide
Concen: 47.183 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

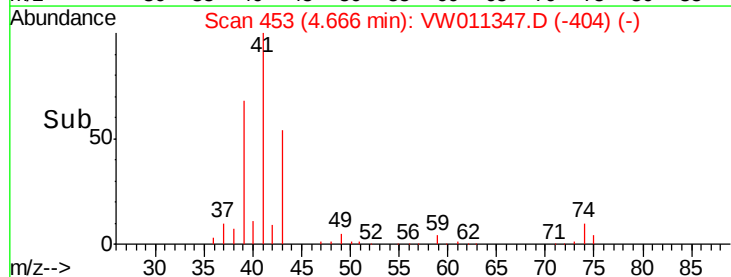
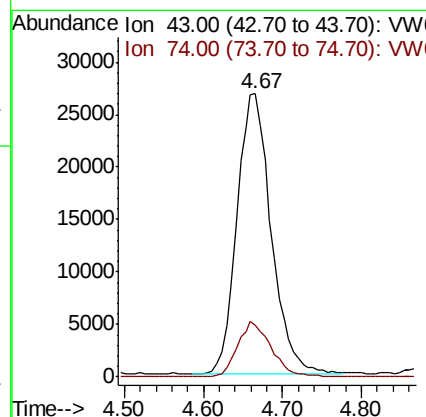
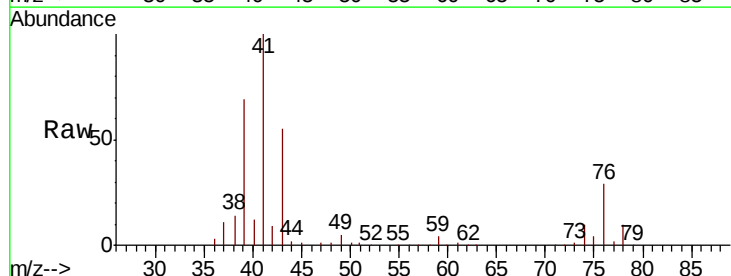
Instrument :
MSVOA_W
ClientSampleId :

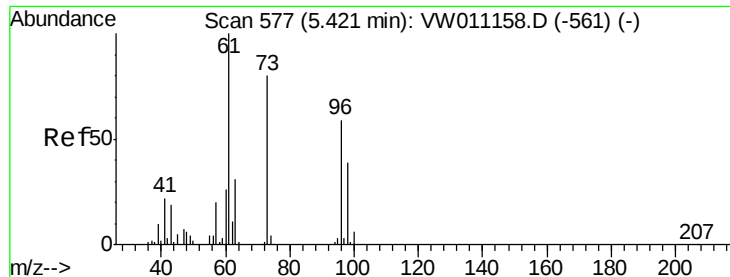
Tot Ion: 76 Resp: 279566
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 53.648 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 43 Resp: 80993
Ion Ratio Lower Upper
43 100
74 19.3 15.7 23.5

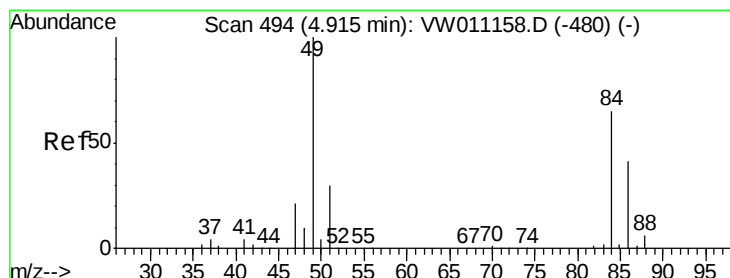
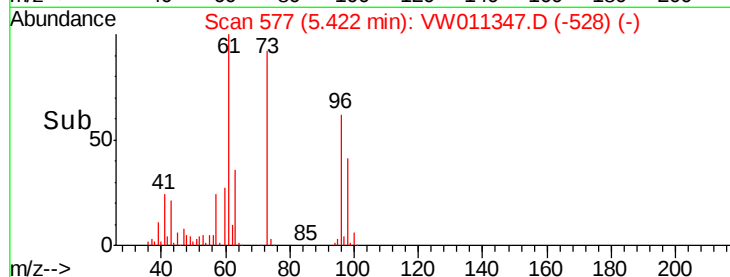
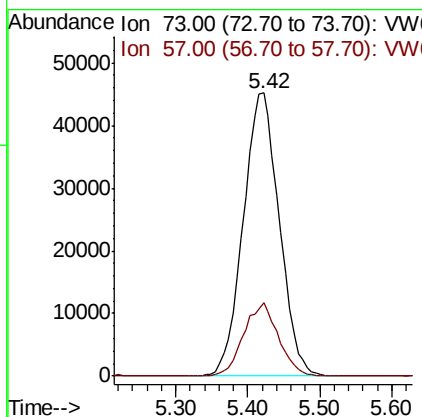
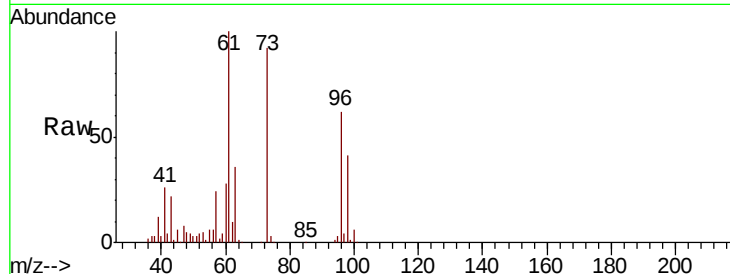




#19
Methyl tert-butyl Ether
Concen: 52.867 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

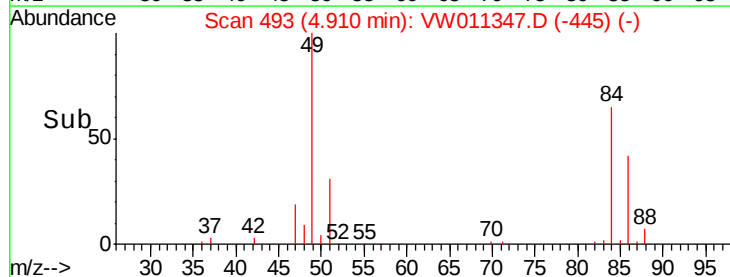
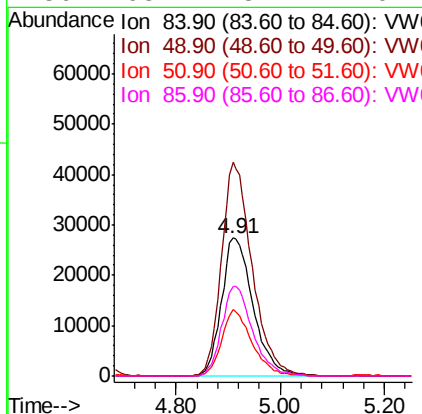
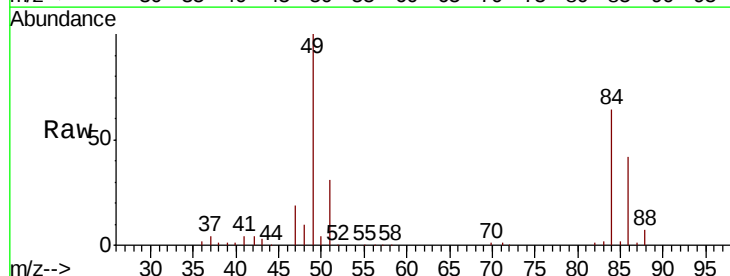
Instrument :
MSVOA_W
ClientSampled :

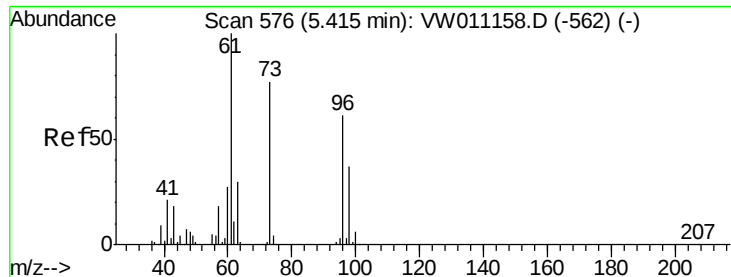
Tot Ion: 73 Resp: 156776
Ion Ratio Lower Upper
73 100
57 26.1 19.7 29.5



#20
Methylene Chloride
Concen: 55.379 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 84 Resp: 116203
Ion Ratio Lower Upper
84 100
49 155.1 123.8 185.6
51 48.4 37.4 56.2
86 65.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.947 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

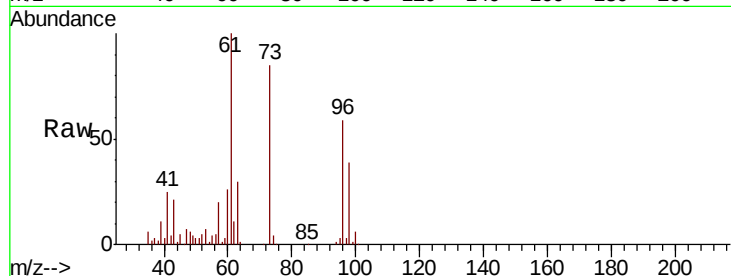
Tot Ion: 96 Resp: 101433

Ion Ratio Lower Upper

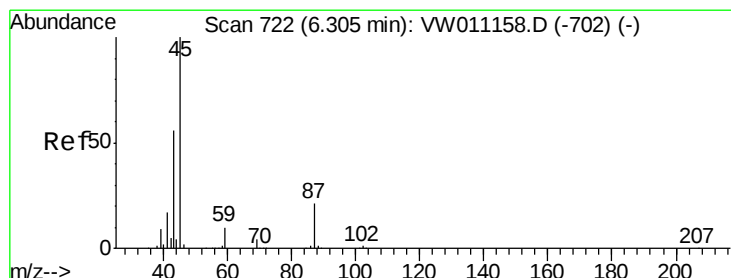
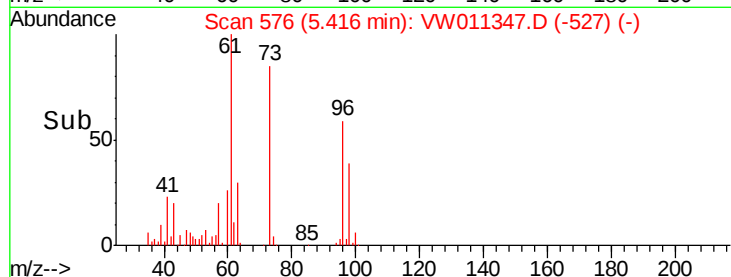
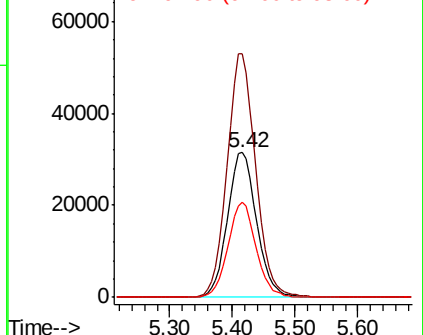
96 100

61 168.4 132.2 198.2

98 65.5 49.4 74.0



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



#22

Diisopropyl ether

Concen: 52.051 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Tgt Ion: 45 Resp: 398997

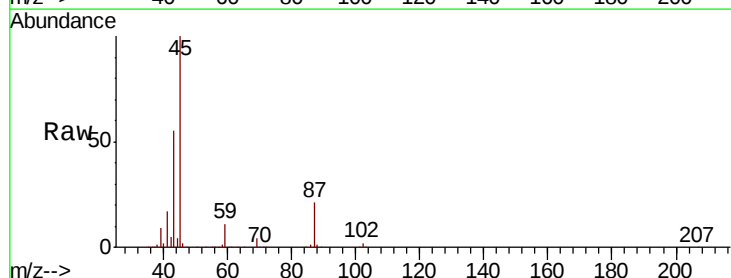
Ion Ratio Lower Upper

45 100

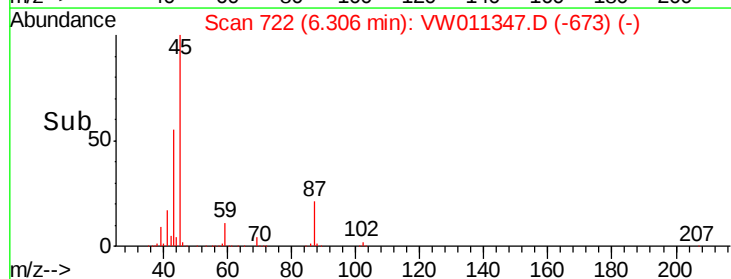
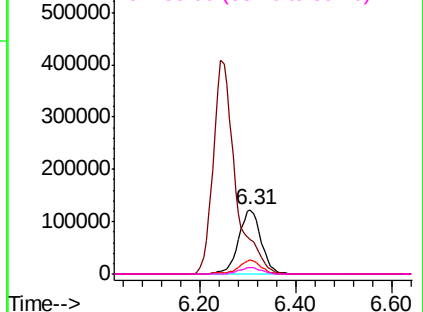
43 54.8 44.6 66.8

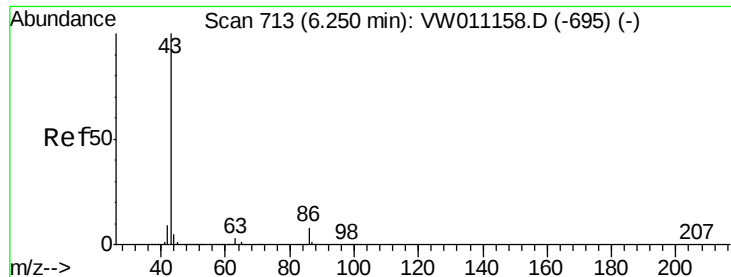
87 21.3 17.3 25.9

59 11.0 8.2 12.2



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





#23

Vinyl Acetate

Concen: 276.803 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

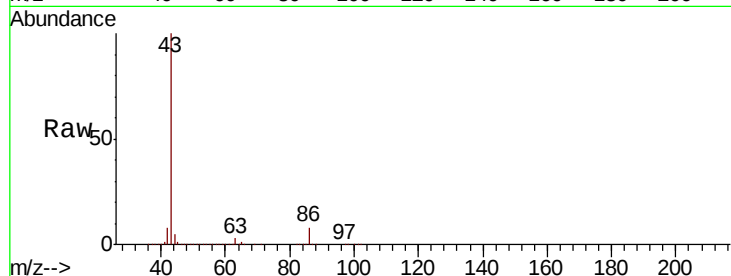
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1313126

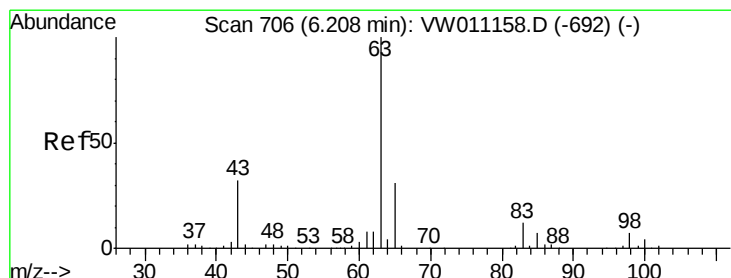
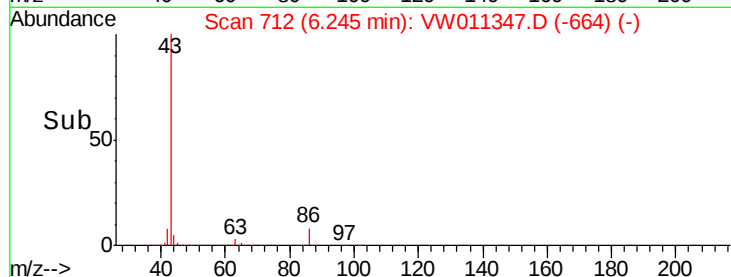
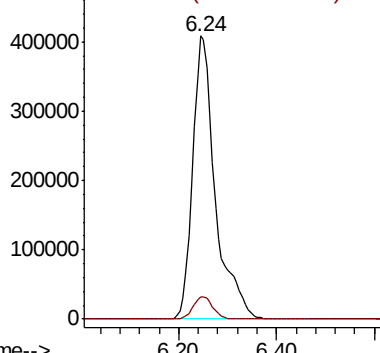
Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



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



#24

1,1-Dichloroethane

Concen: 51.376 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

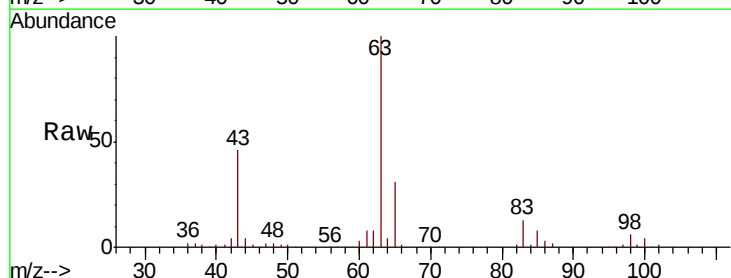
Tgt Ion: 63 Resp: 206799

Ion Ratio Lower Upper

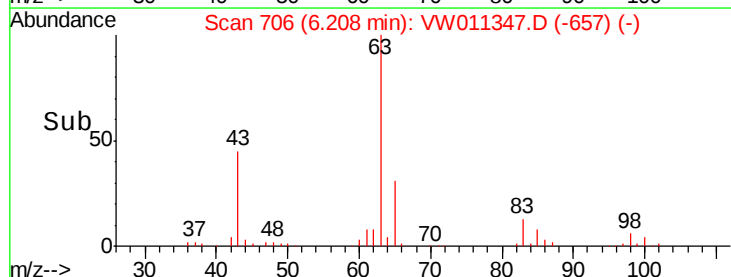
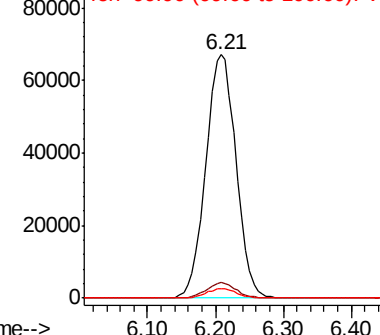
63 100

98 6.4 3.3 9.9

100 3.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW

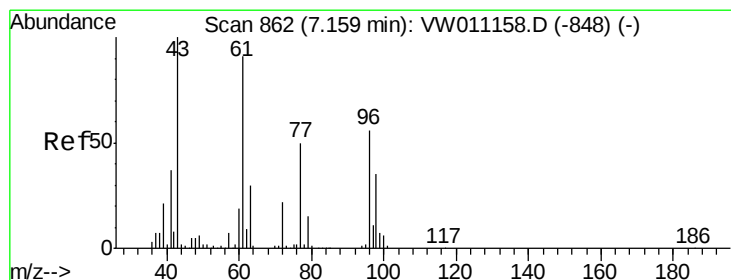
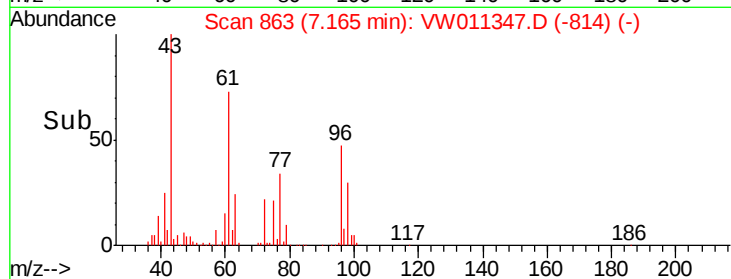
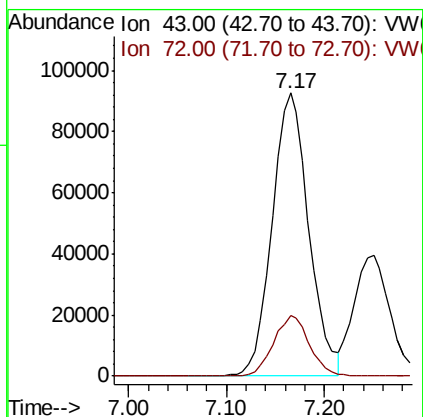
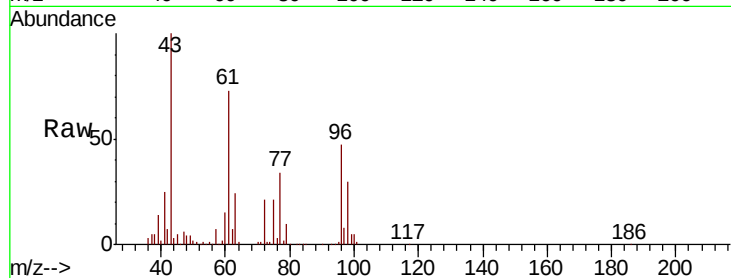




#25
2-Butanone
Concen: 289.032 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

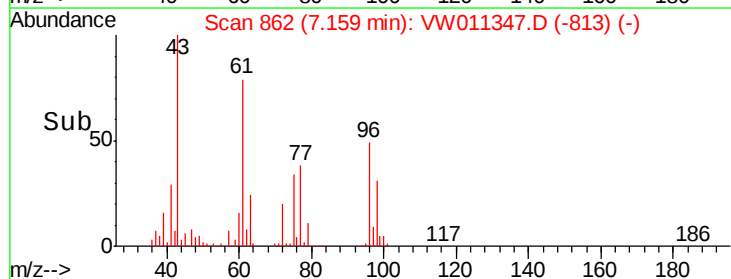
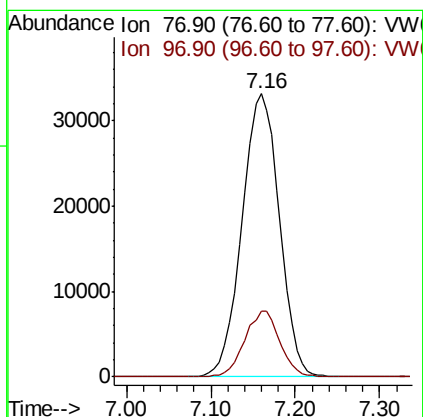
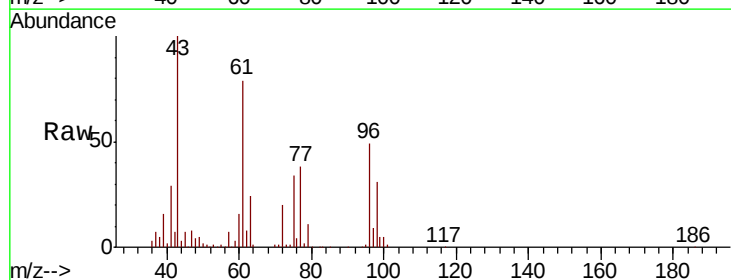
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 241327
Ion Ratio Lower Upper
43 100
72 21.5 17.6 26.4



#26
2,2-Dichloropropane
Concen: 47.634 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 77 Resp: 99668
Ion Ratio Lower Upper
77 100
97 21.8 11.2 33.5



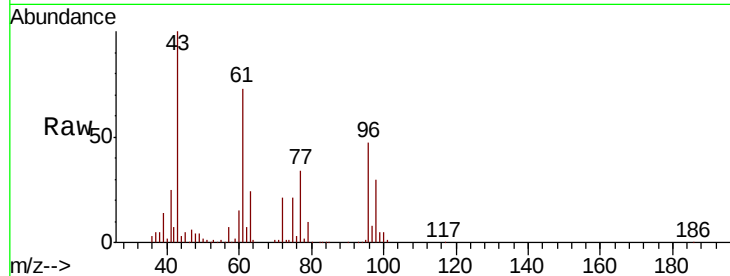


#27

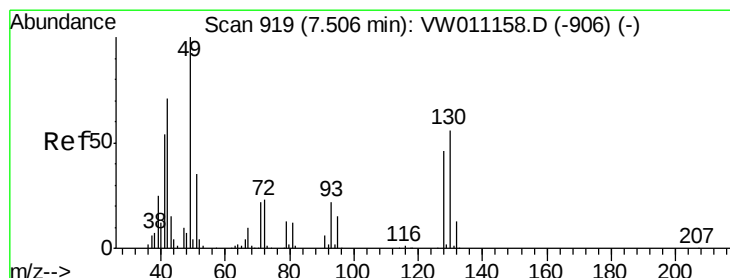
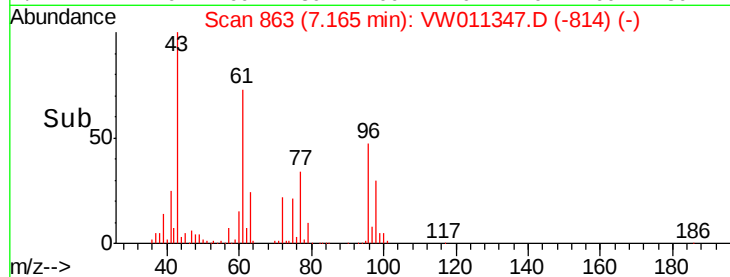
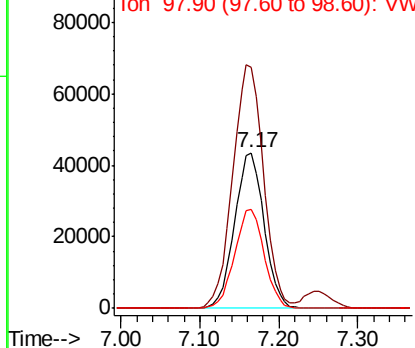
cis-1,2-Dichloroethene
Concen: 51.645 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp:	113138
Ion	Ratio	Lower	Upper
96	100		
61	163.3	0.0	325.6
98	63.6	0.0	128.2



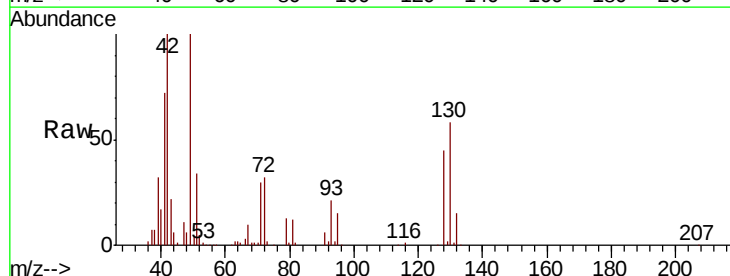
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



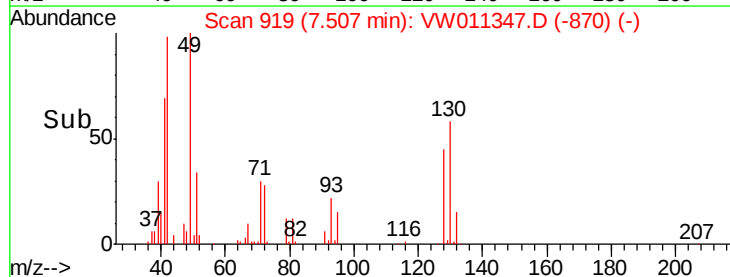
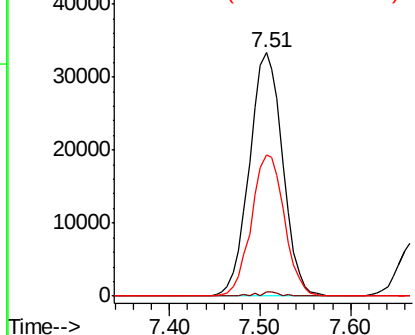
#28

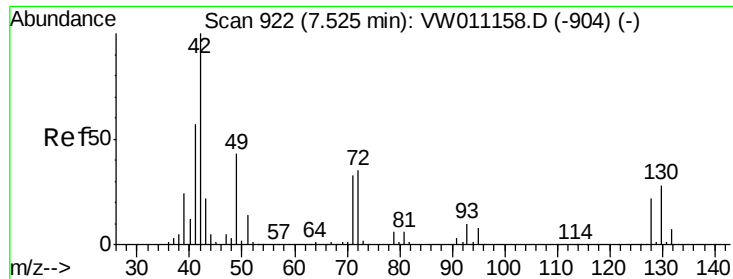
Bromochloromethane
Concen: 46.285 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion	49	Resp:	84714
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	57.3	45.8	68.8



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

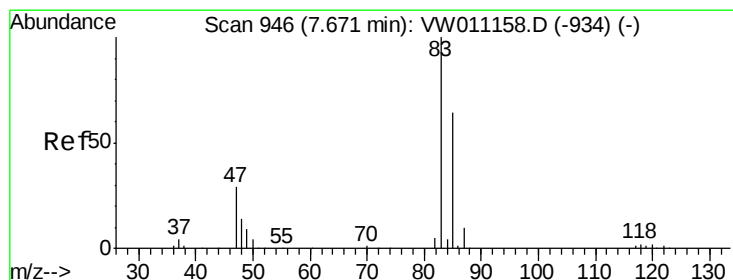
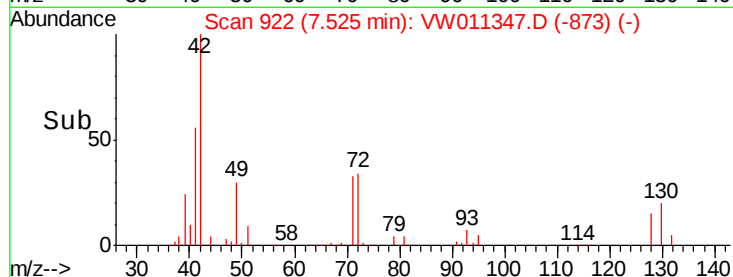
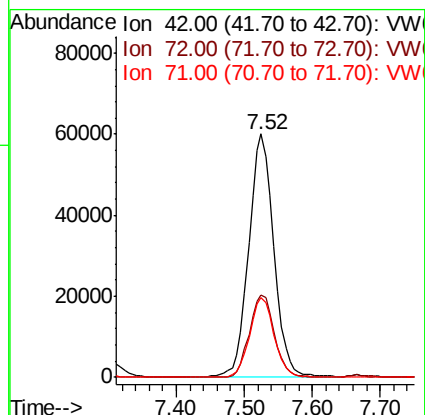
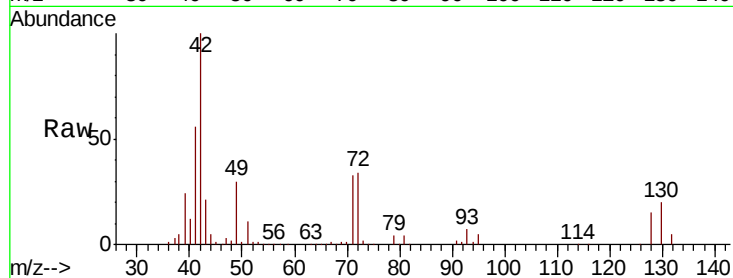




#29
Tetrahydrofuran
Concen: 280.698 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

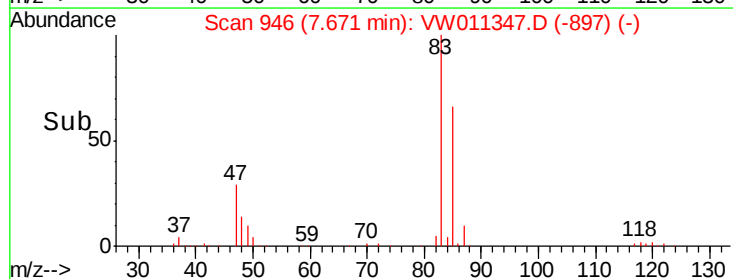
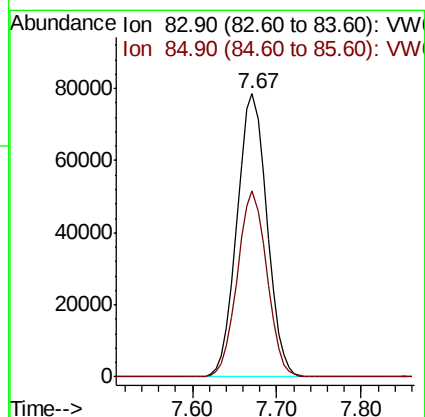
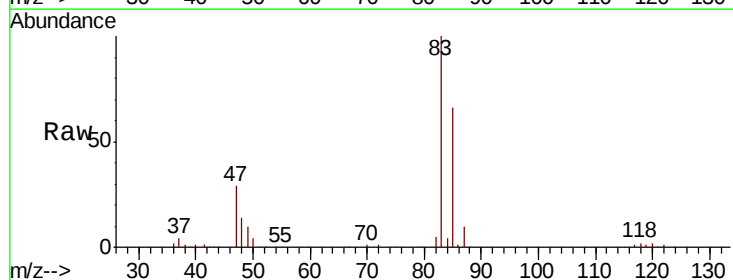
Instrument :
MSVOA_W
ClientSampled :

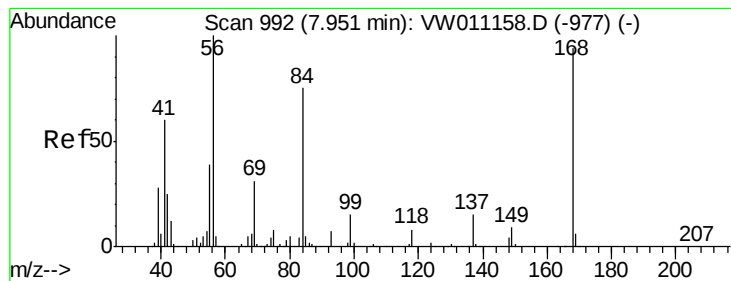
Tot Ion: 42 Resp: 153678
Ion Ratio Lower Upper
42 100
72 34.0 27.4 41.2
71 32.2 25.9 38.9



#30
Chloroform
Concen: 50.572 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 83 Resp: 188519
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2





#31

Cyclohexane

Concen: 45.279 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampled :

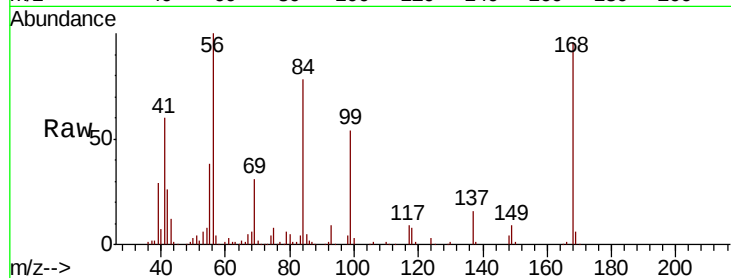
Tot Ion: 56 Resp: 193897

Ion Ratio Lower Upper

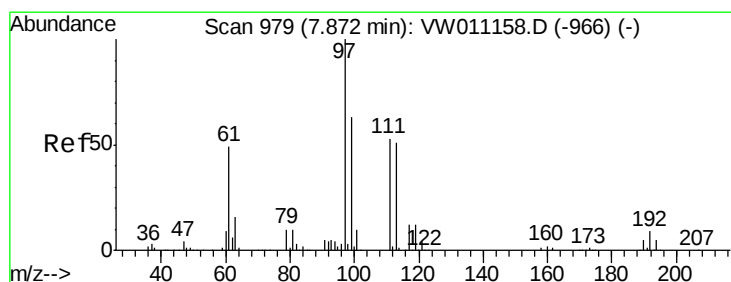
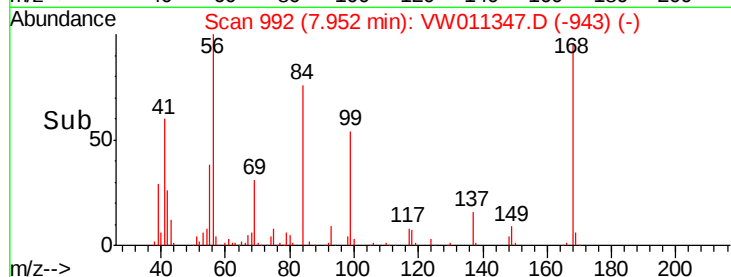
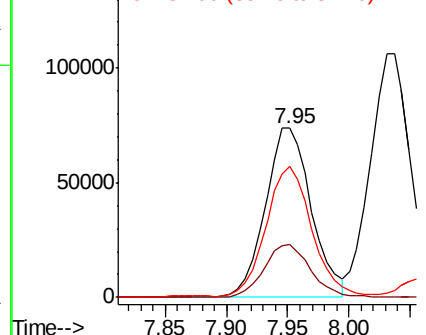
56 100

69 30.9 24.6 36.8

84 76.5 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 48.806 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

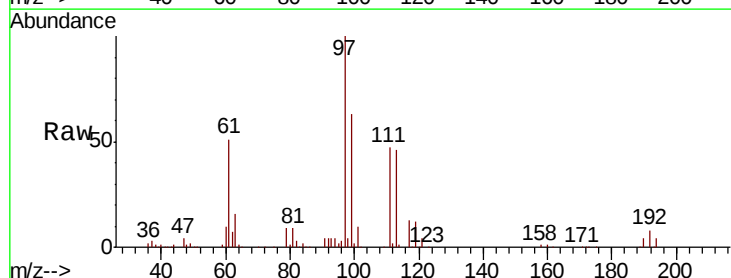
Tgt Ion: 97 Resp: 138398

Ion Ratio Lower Upper

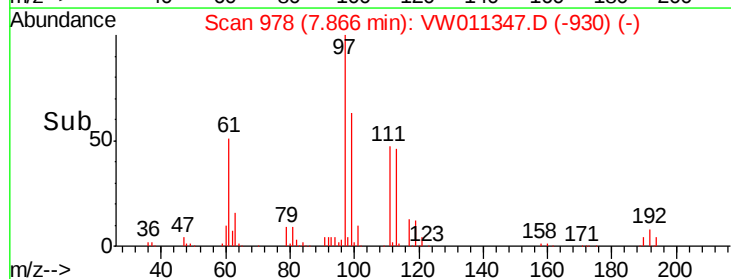
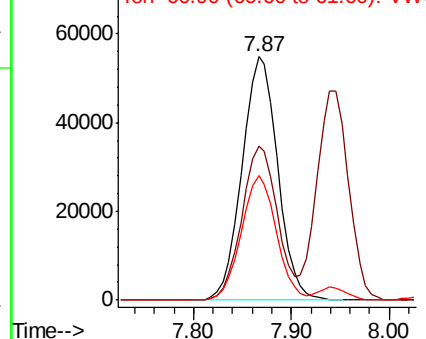
97 100

99 63.0 51.0 76.4

61 50.5 40.4 60.6



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

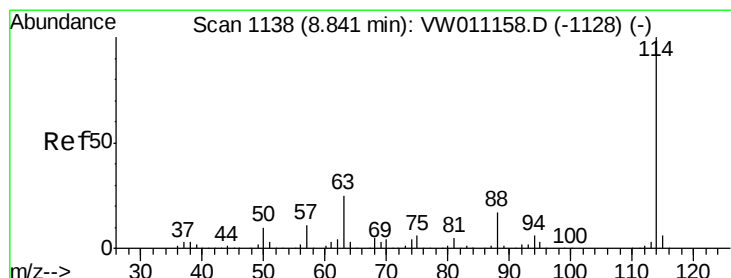
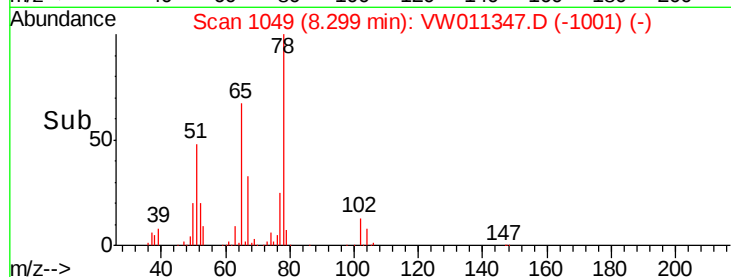
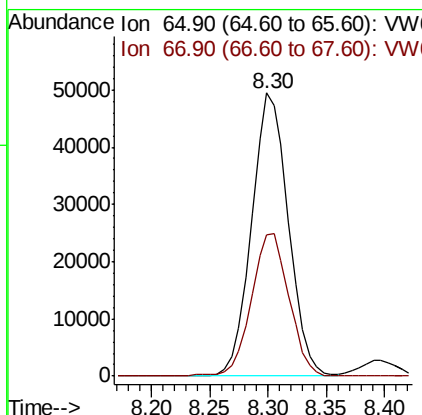
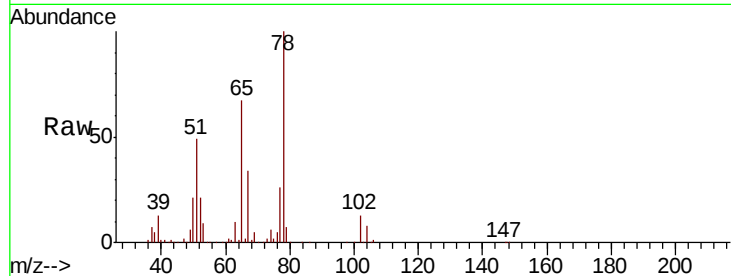




#33
 1,2-Dichloroethane-d4
 Concen: 48.875 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

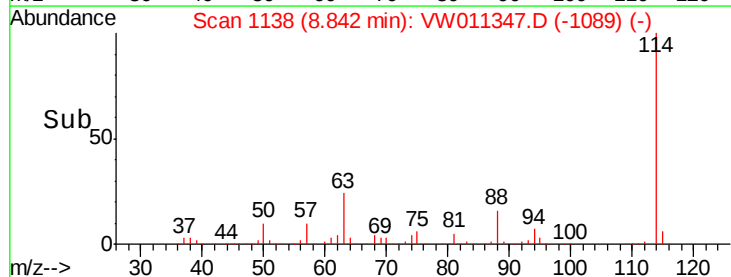
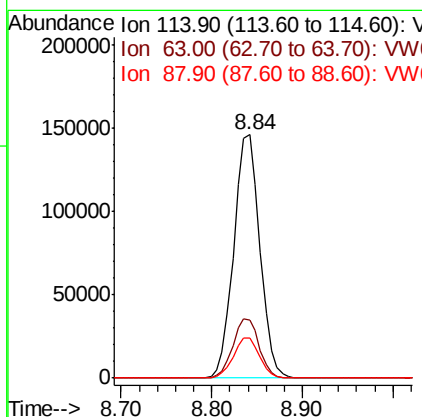
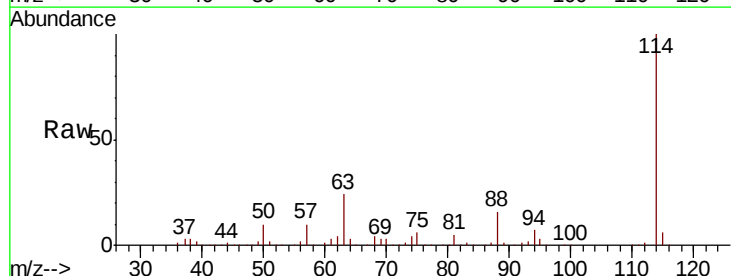
Instrument :
 MSVOA_W
 ClientSampled :

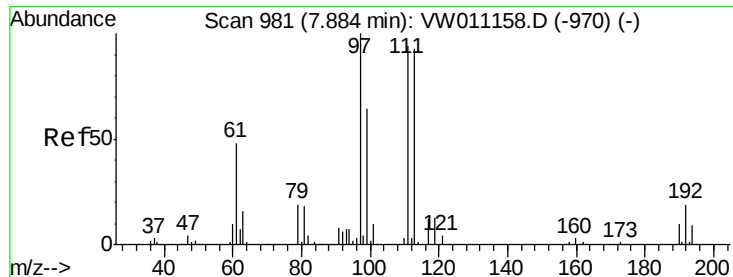
Tot Ion: 65 Resp: 108045
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

Tgt Ion: 114 Resp: 291445
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.8
 88 16.5 0.0 34.2

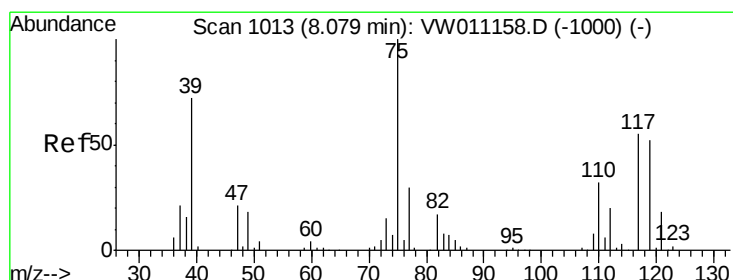
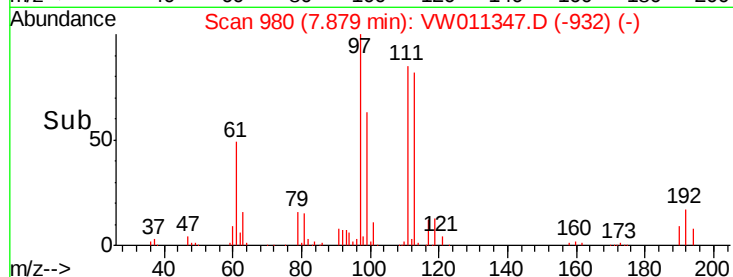
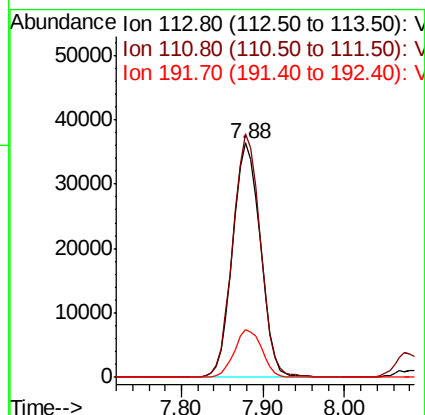
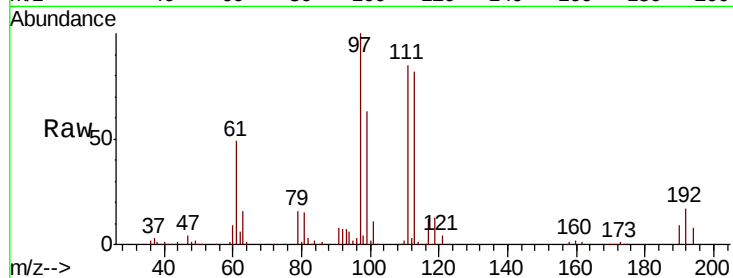




#35
 Dibromofluoromethane
 Concen: 49.150 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

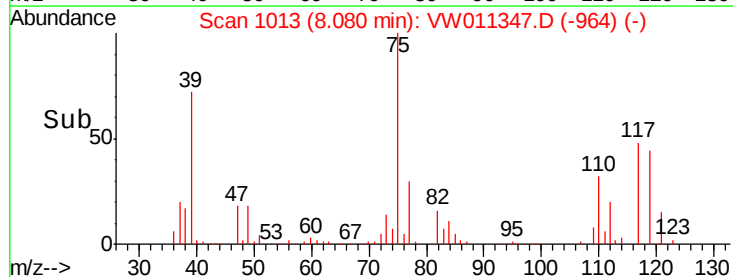
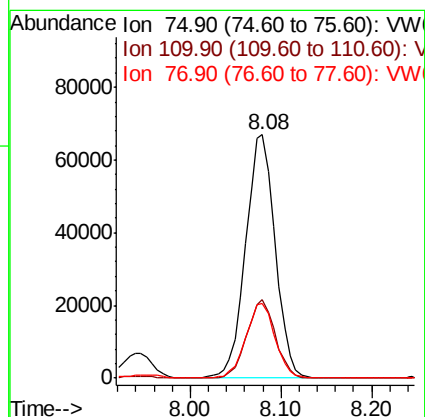
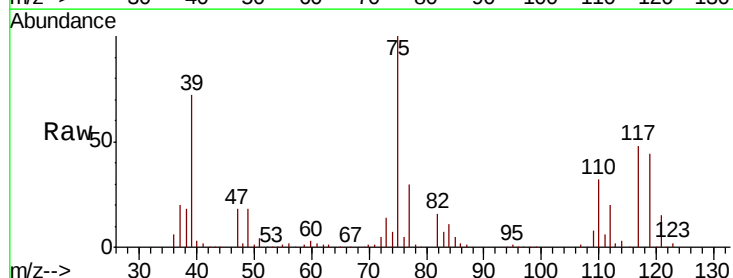
Instrument :
 MSVOA_W
 ClientSampled :

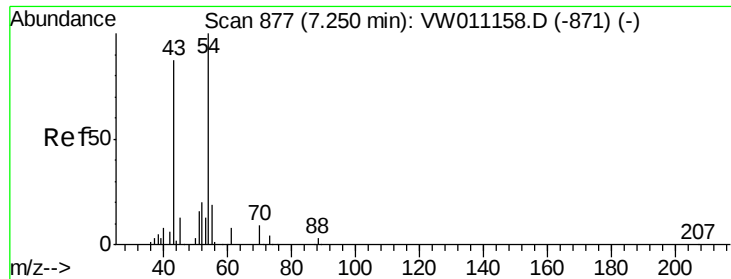
Tot Ion:113 Resp: 85381
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 20.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 48.448 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

Tgt Ion: 75 Resp: 150365
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.9 47.6
 77 30.9 24.6 36.8

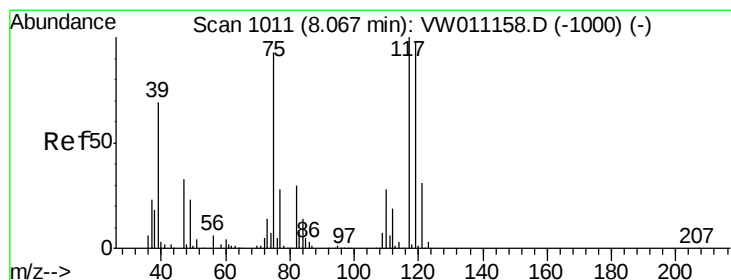
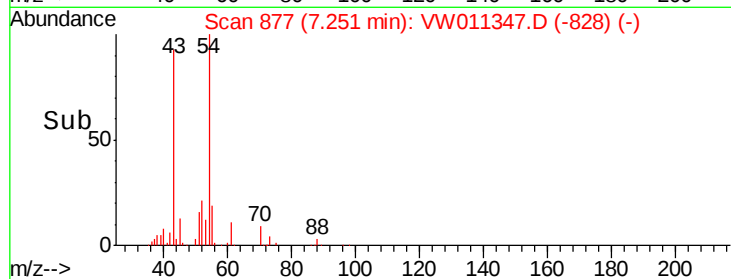
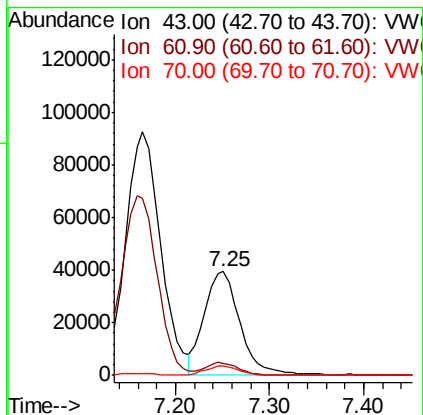
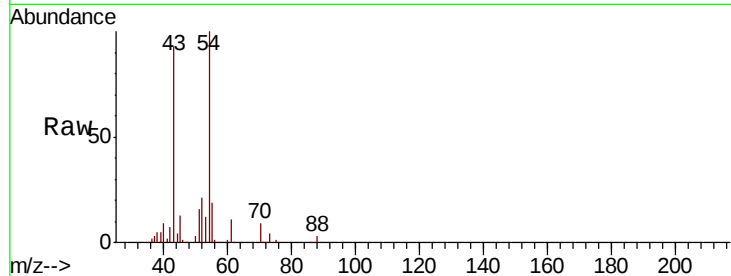




#37
Ethyl Acetate
Concen: 55.138 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

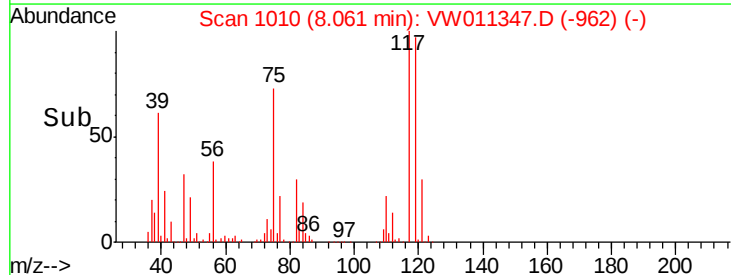
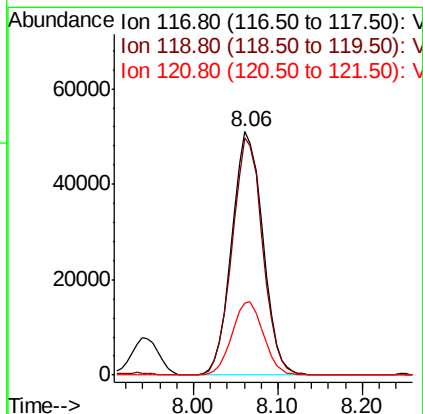
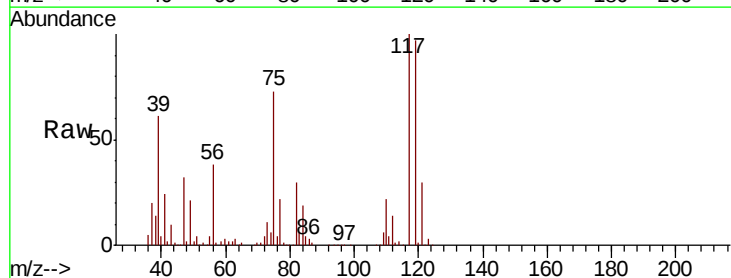
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 102818
Ion Ratio Lower Upper
43 100
61 11.5 9.5 14.3
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 48.280 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 117 Resp: 127025
Ion Ratio Lower Upper
117 100
119 97.2 78.1 117.1
121 29.7 25.1 37.7

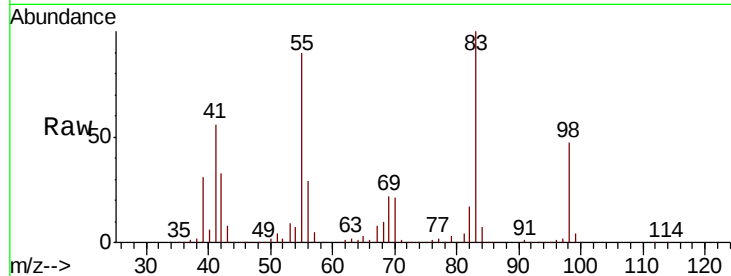




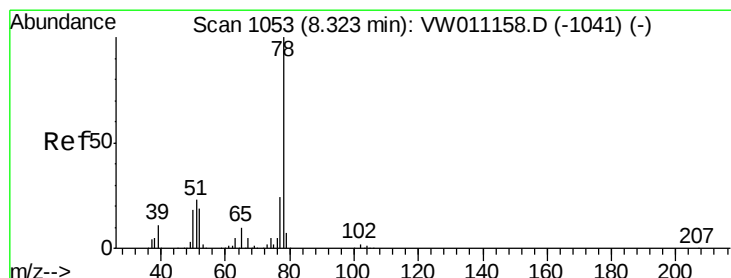
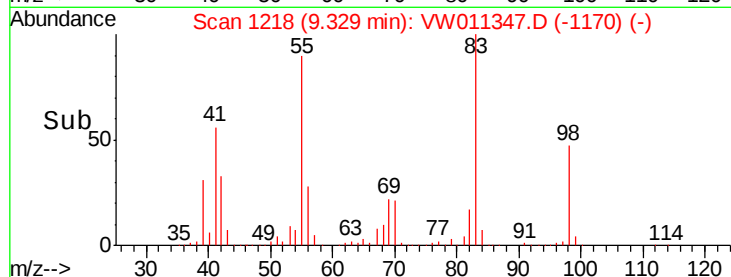
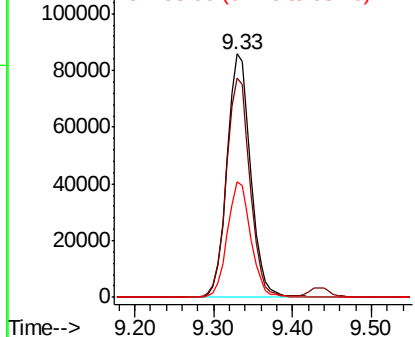
#39
Methvlcvclohexane
Concen: 47.564 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 178924
Ion Ratio Lower Upper
83 100
55 89.9 71.2 106.8
98 47.4 37.5 56.3

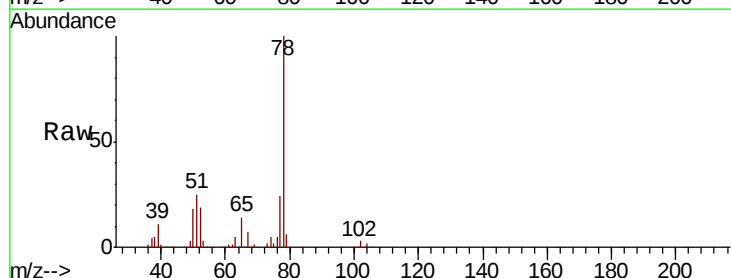


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

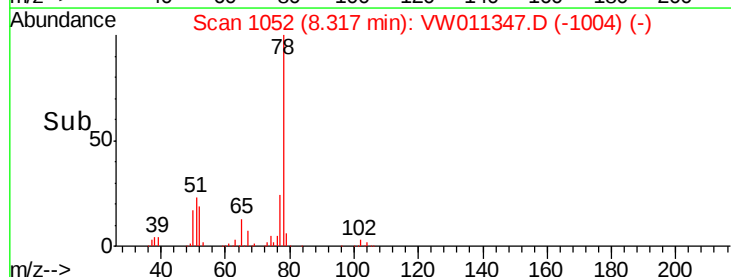
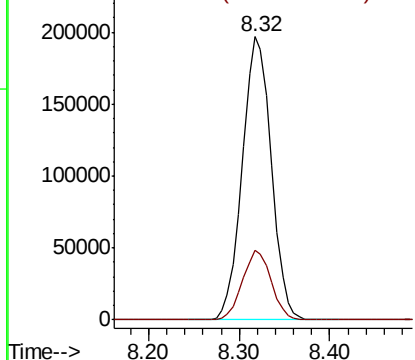


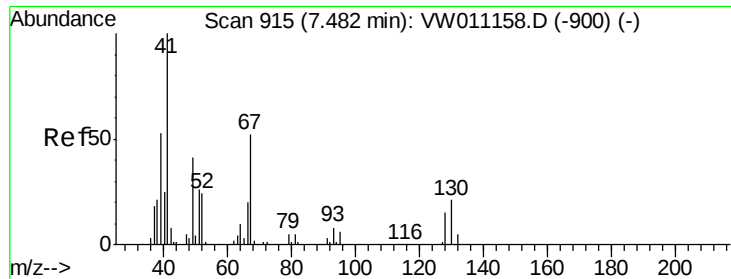
#40
Benzene
Concen: 50.716 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 78 Resp: 435000
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6



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

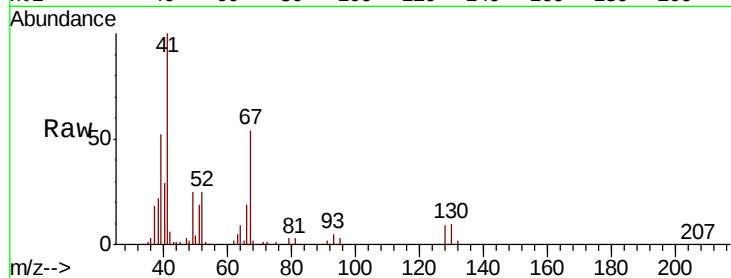




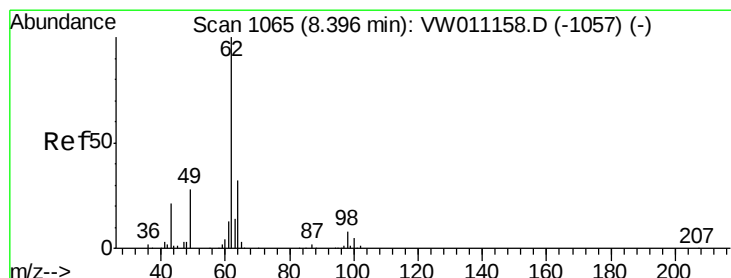
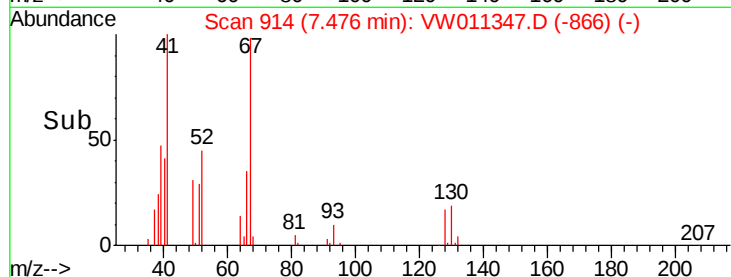
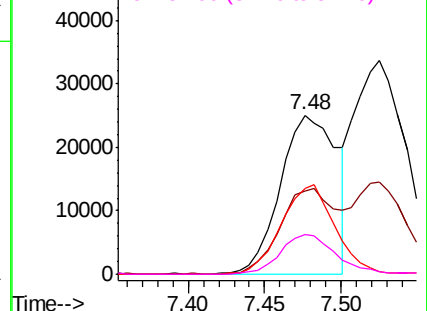
#41
Methacrylonitrile
Concen: 60.206 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	64210
Ion	Ratio	Lower	Upper
41	100		
39	53.7	48.0	72.0
67	54.3	49.7	74.5
52	24.9	23.4	35.0

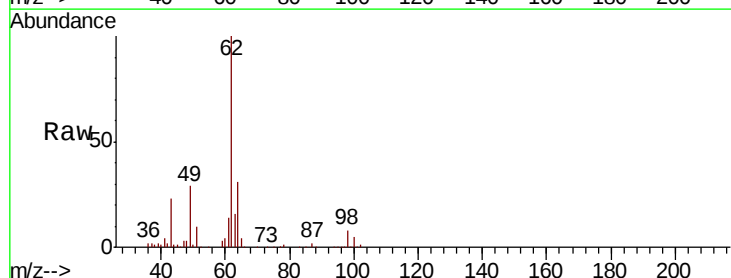


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

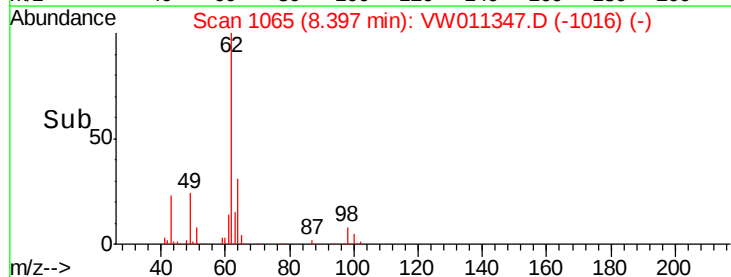
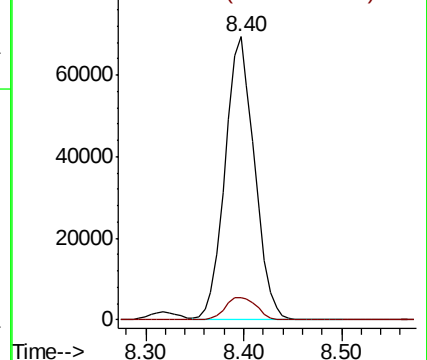


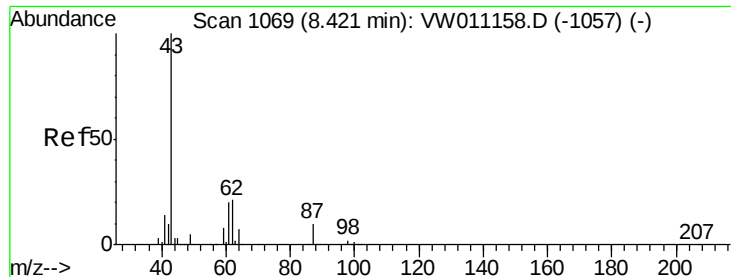
#42
1,2-Dichloroethane
Concen: 52.010 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion:	62	Resp:	144711
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 54.149 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

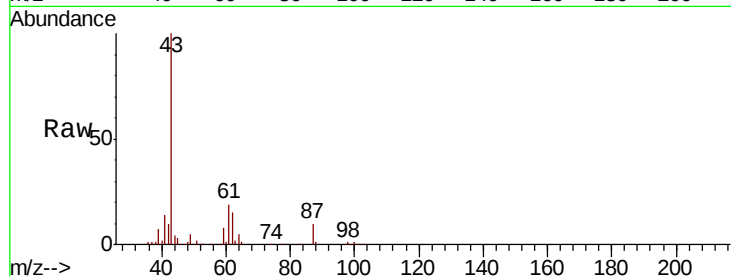
Tot Ion: 43 Resp: 190636

Ion Ratio Lower Upper

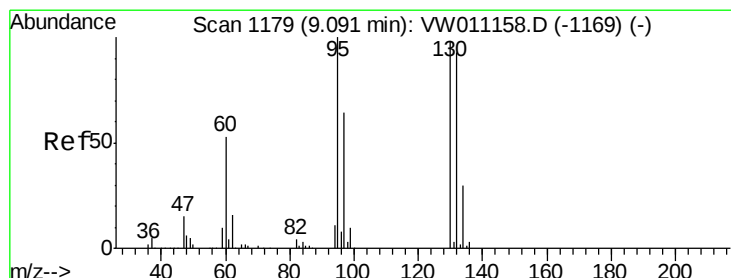
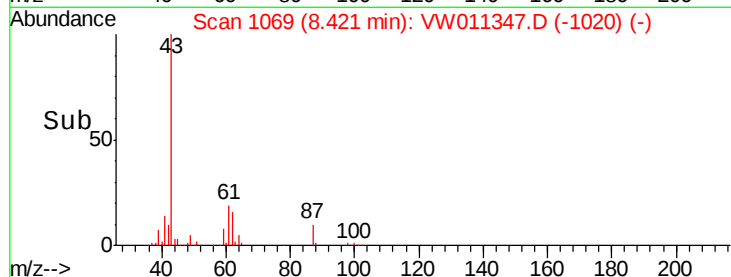
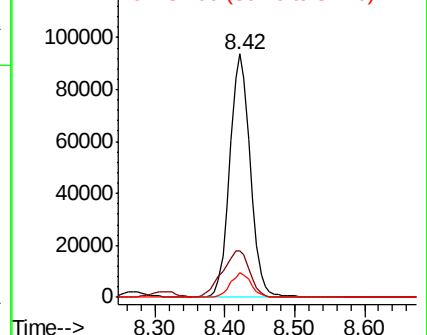
43 100

61 25.9 20.7 31.1

87 10.3 8.1 12.1



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



#44

Trichloroethene

Concen: 49.408 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011347.D

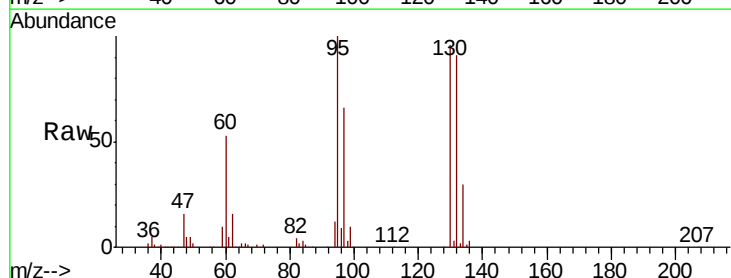
Acq: 18 Jul 2019 21:35

Tgt Ion:130 Resp: 101979

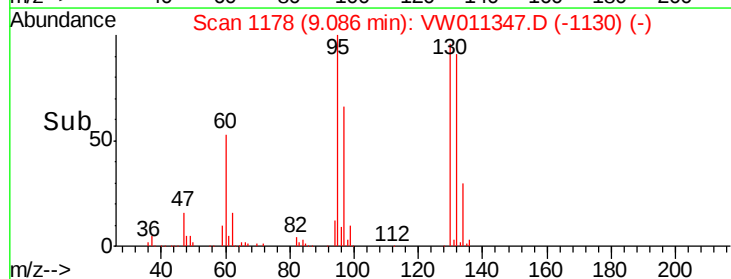
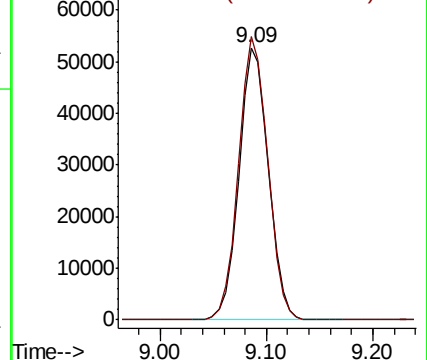
Ion Ratio Lower Upper

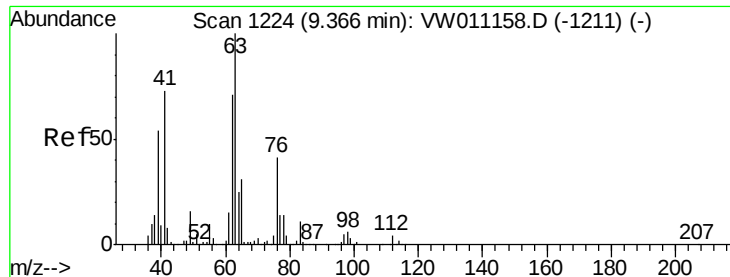
130 100

95 104.1 0.0 203.6



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





#45

1,2-Dichloropropane

Concen: 51.703 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

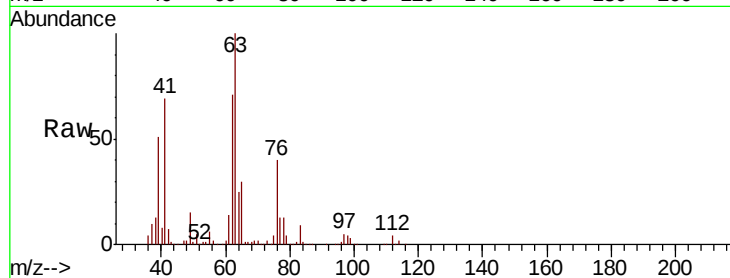
ClientSampleId :

Tot Ion: 63 Resp: 120088

Ion Ratio Lower Upper

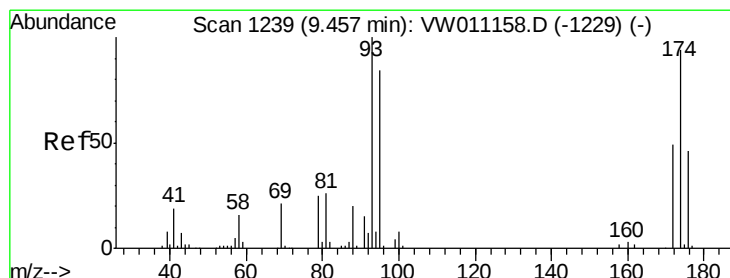
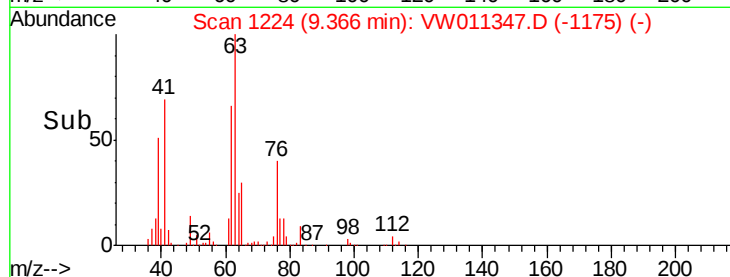
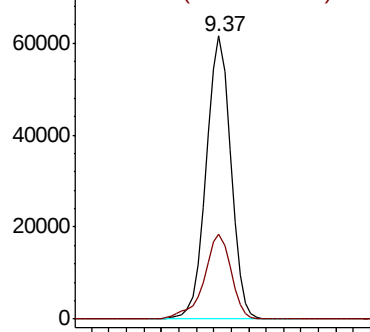
63 100

65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 52.151 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

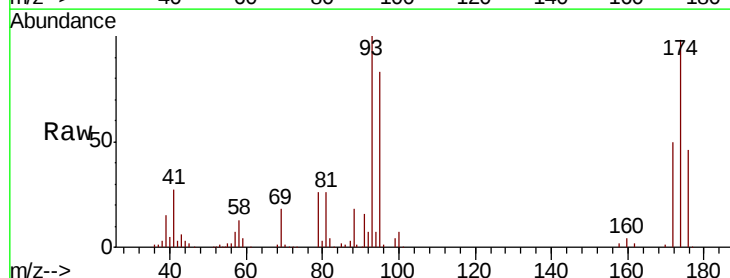
Tgt Ion: 93 Resp: 56901

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

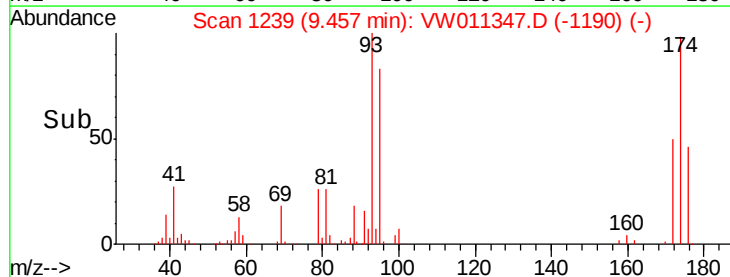
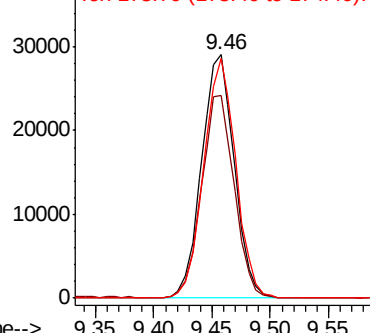
174 96.5 76.3 114.5



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

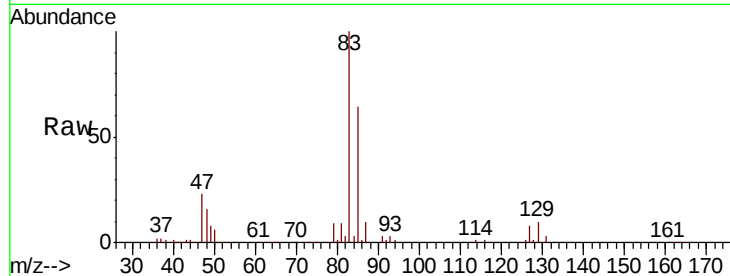




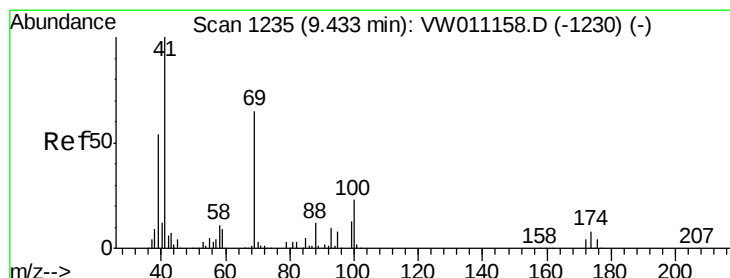
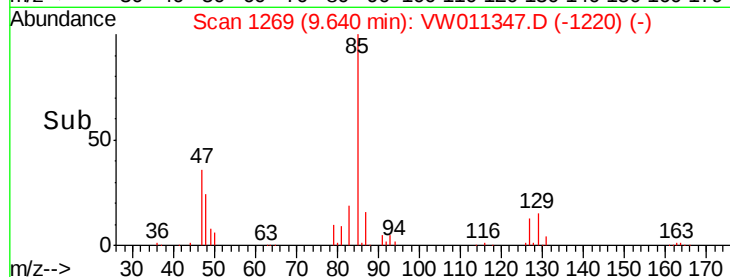
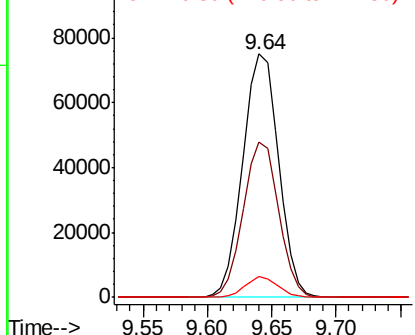
#47
Bromodichloromethane
Concen: 51.679 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 144273
Ion Ratio Lower Upper
83 100
85 63.8 51.0 76.4
127 8.4 6.0 9.0

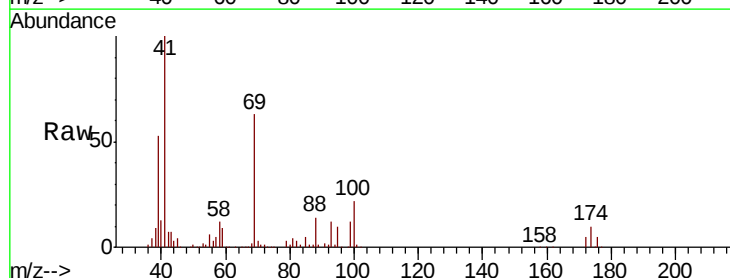


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

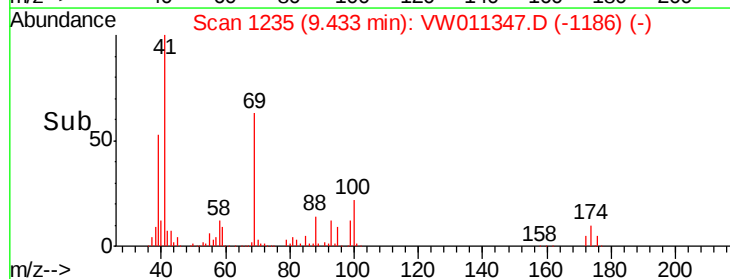
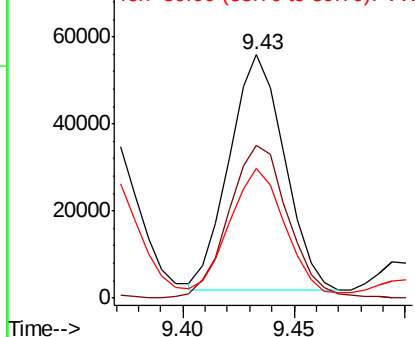


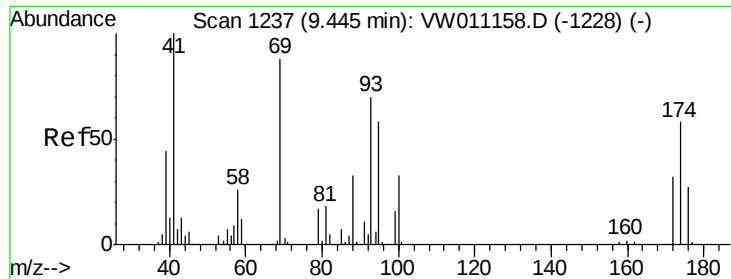
#48
Methyl methacrylate
Concen: 55.016 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 41 Resp: 93183
Ion Ratio Lower Upper
41 100
69 70.5 56.0 84.0
39 52.1 43.5 65.3



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

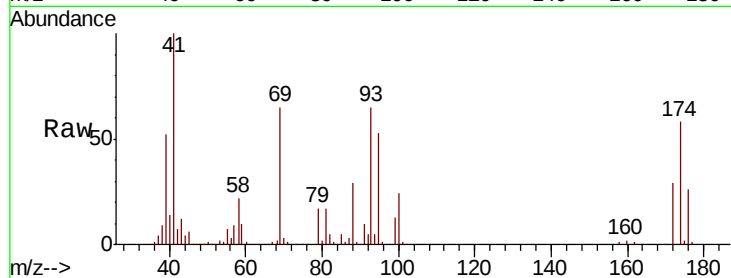




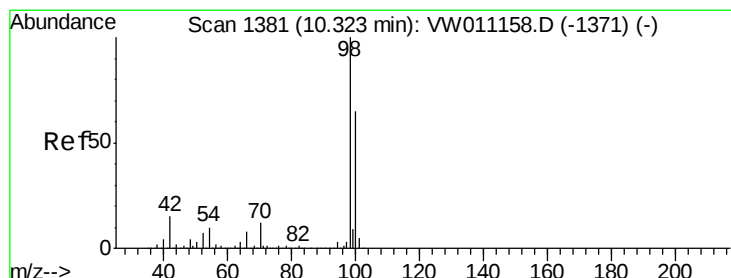
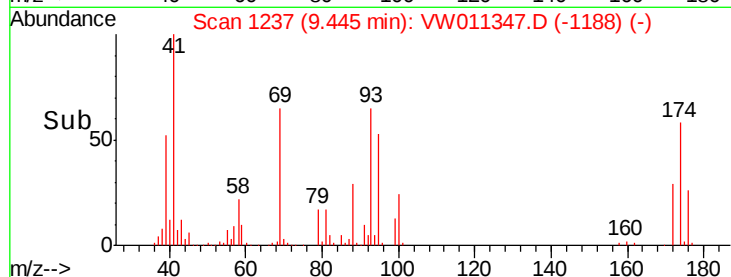
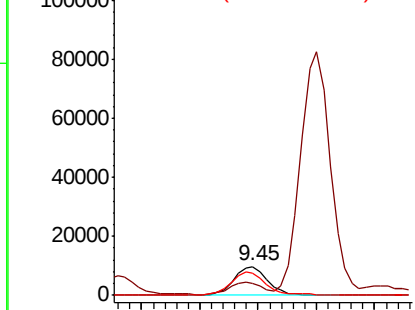
#49
1,4-Dioxane
Concen: 1084.671 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 19754
Ion Ratio Lower Upper
88 100
43 43.8 33.4 50.0
58 85.8 64.5 96.7

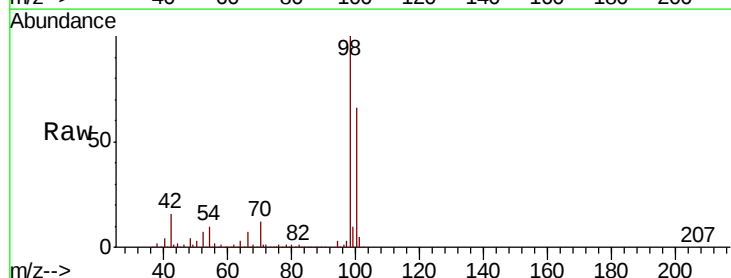


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

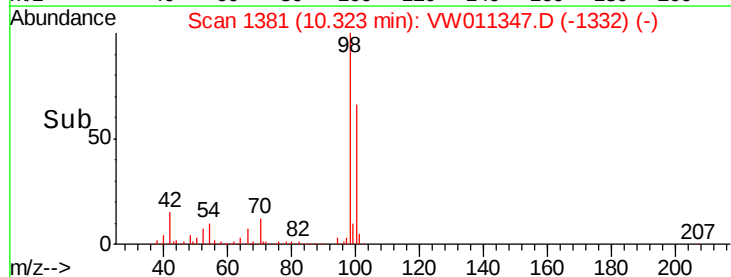
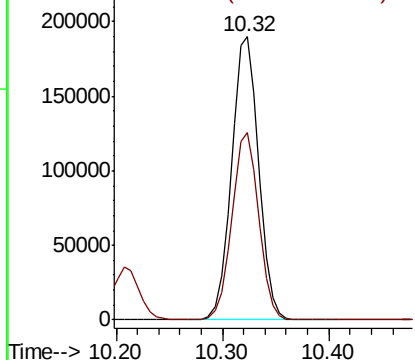


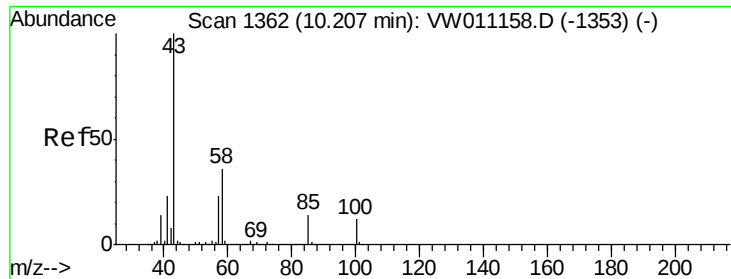
#50
Toluene-d8
Concen: 48.094 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 98 Resp: 337709
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



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: 281.535 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

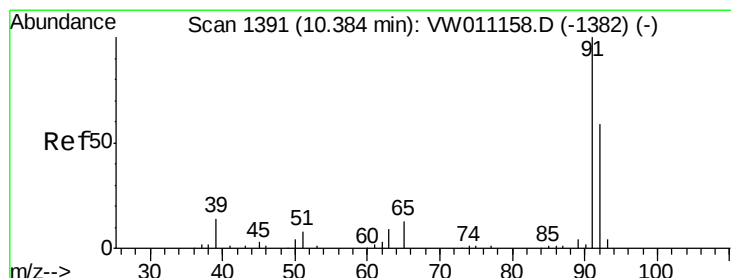
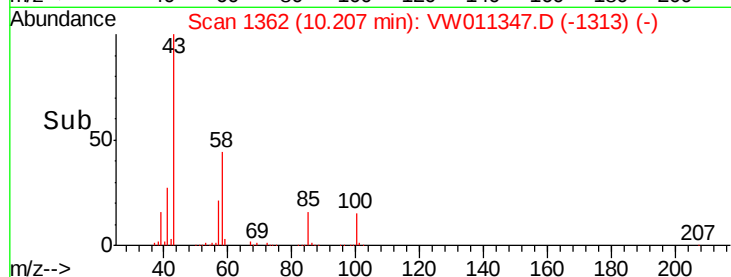
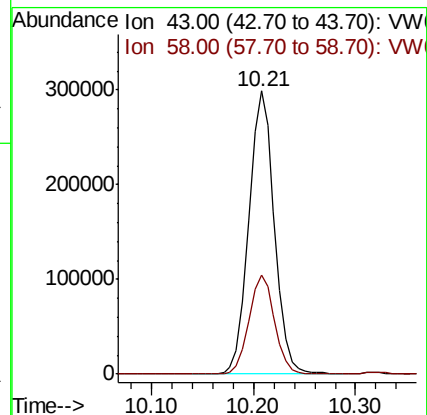
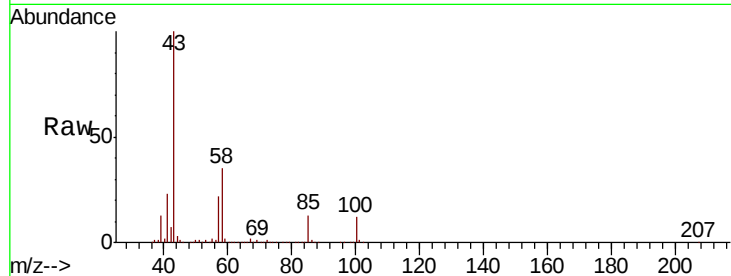
ClientSampled :

Tot Ion: 43 Resp: 517762

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2



#52

Toluene

Concen: 50.736 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011347.D

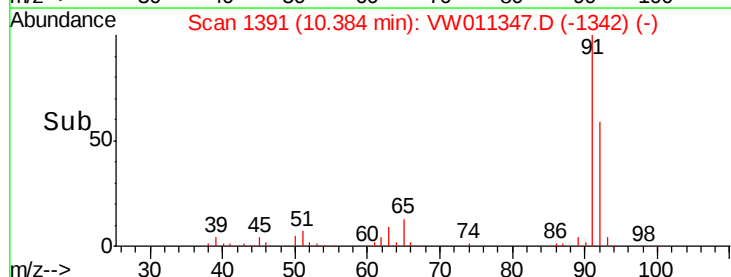
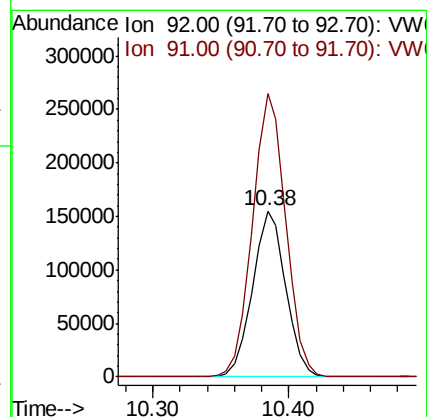
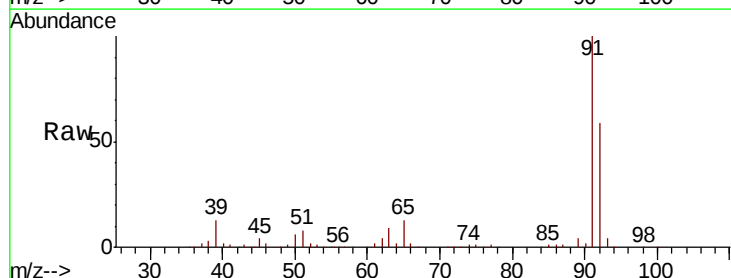
Acq: 18 Jul 2019 21:35

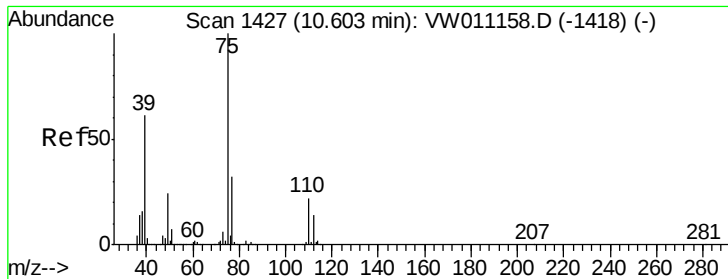
Tgt Ion: 92 Resp: 263980

Ion Ratio Lower Upper

92 100

91 171.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 50.047 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

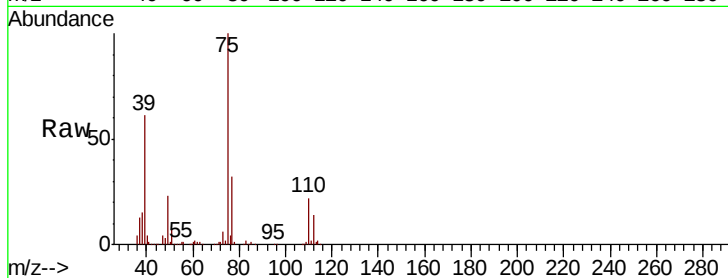
ClientSampleId :

Tot Ion: 75 Resp: 148719

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

80000

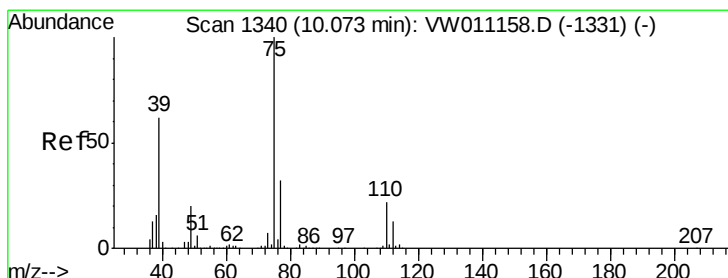
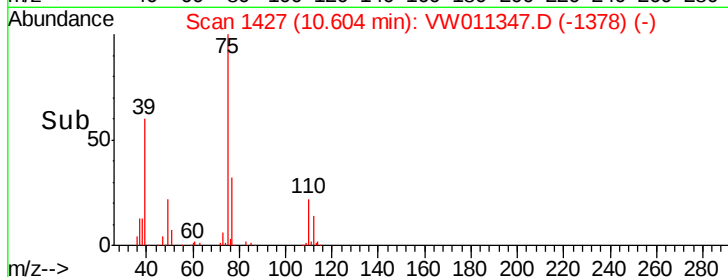
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.871 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

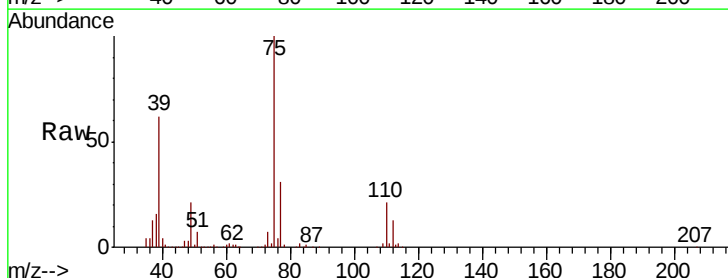
Tgt Ion: 75 Resp: 174434

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

39 62.3 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

120000

100000

80000

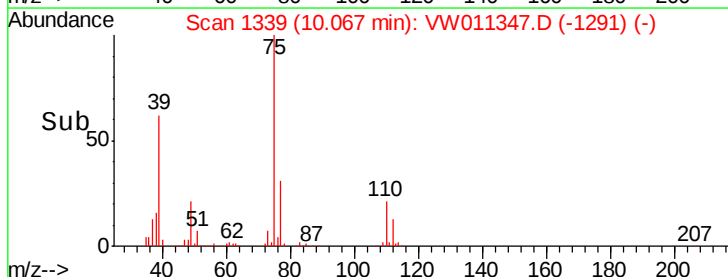
60000

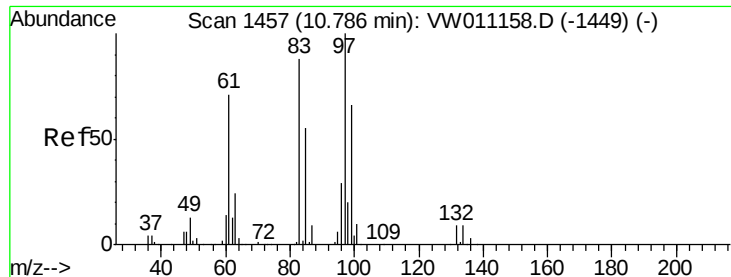
40000

20000

0

Time-->



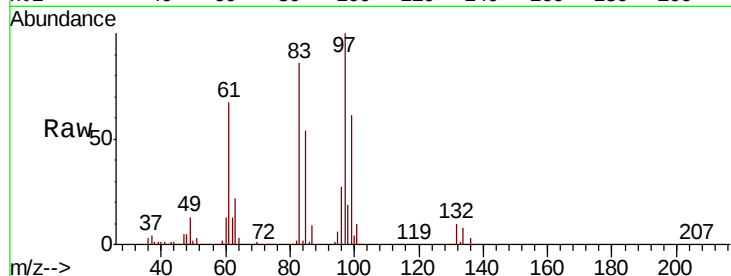


#55
 1,1,2-Trichloroethane
 Concen: 53.087 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

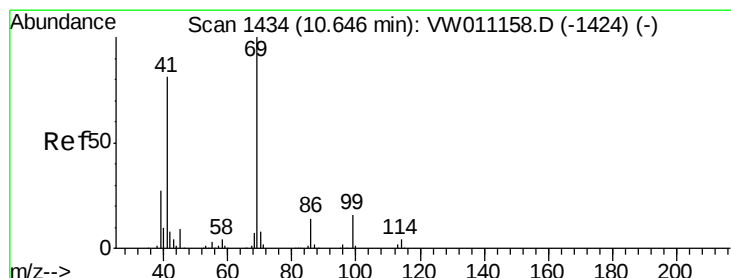
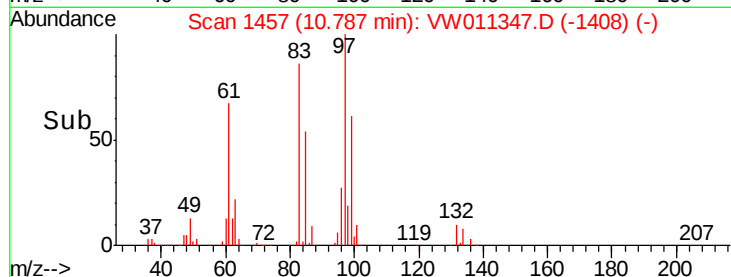
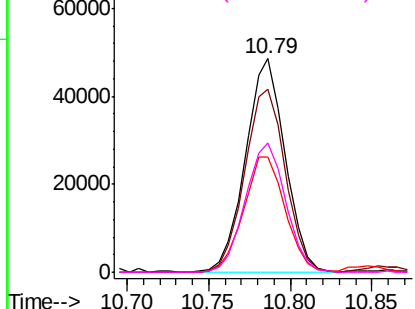
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 82171

Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.2	105.4
85	54.2	44.2	66.2
99	60.7	52.6	79.0



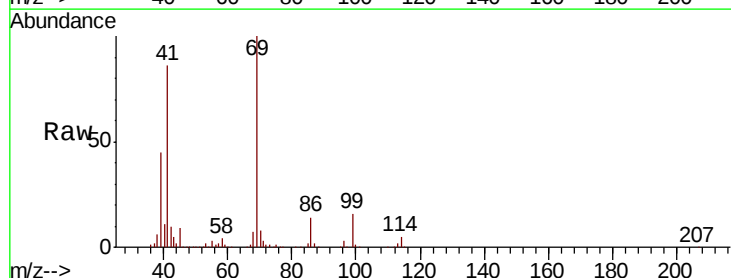
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



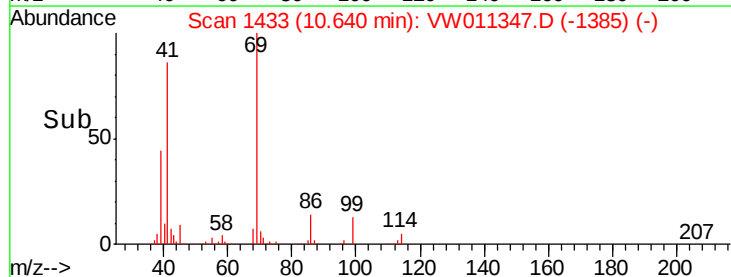
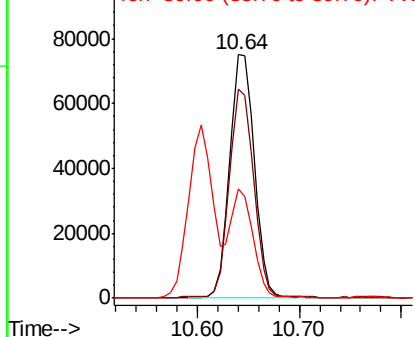
#56
 Ethyl methacrylate
 Concen: 53.297 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

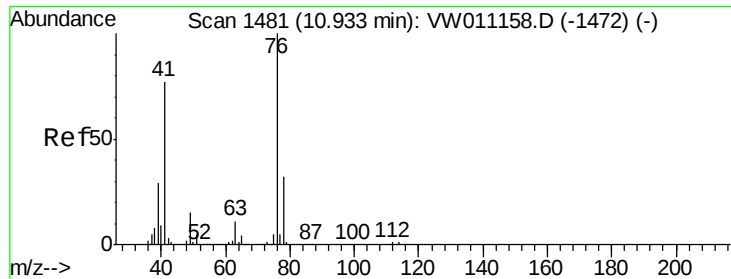
Tgt Ion: 69 Resp: 125598

Ion	Ratio	Lower	Upper
69	100		
41	83.8	66.5	99.7
39	42.9	32.5	48.7



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

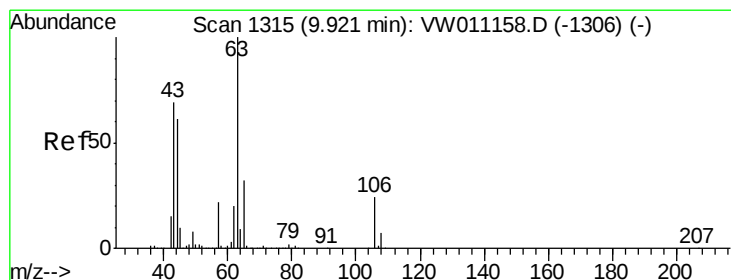
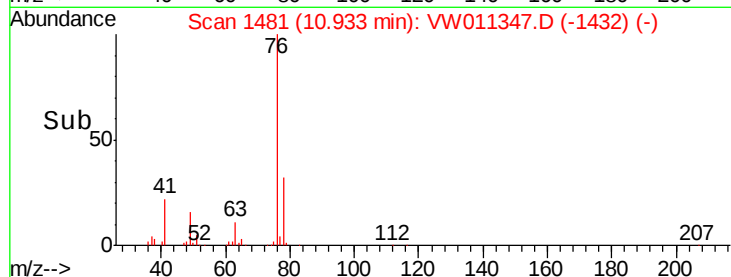
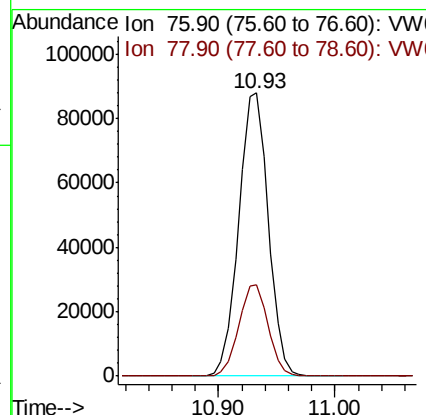
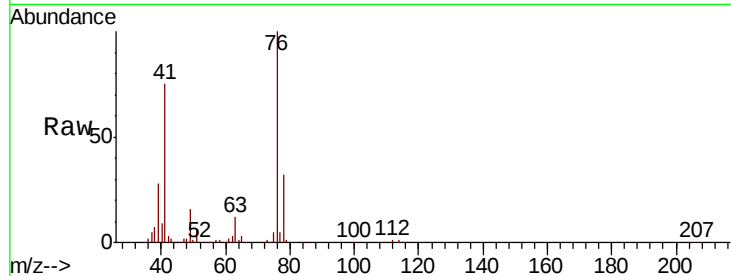




#57
 1,3-Dichloropropane
 Concen: 53.156 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

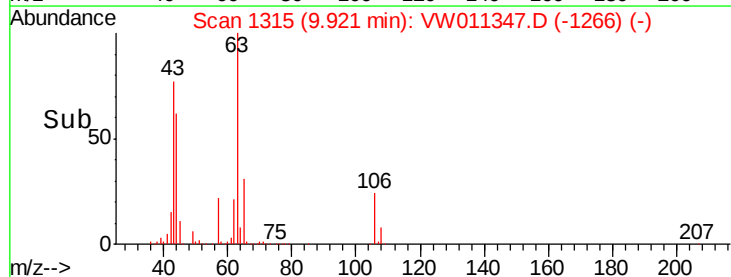
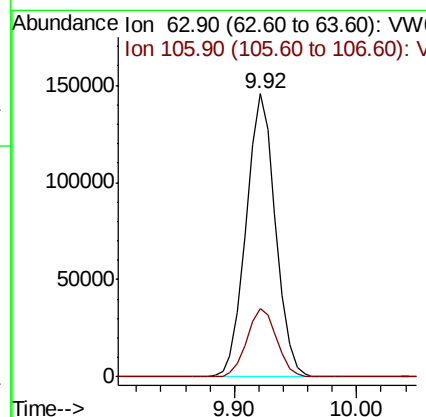
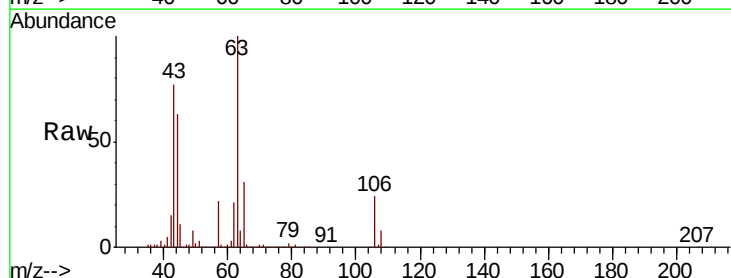
Instrument :
 MSVOA_W
 ClientSampled :

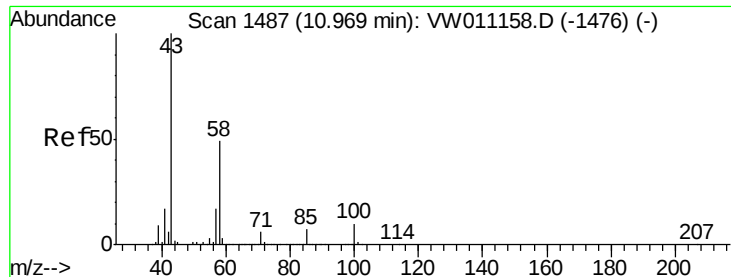
Tot Ion: 76 Resp: 155588
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.673 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

Tgt Ion: 63 Resp: 242181
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0

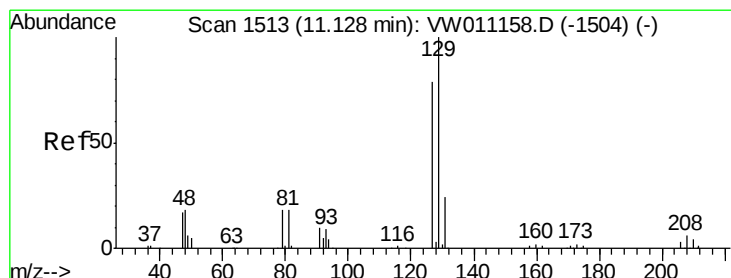
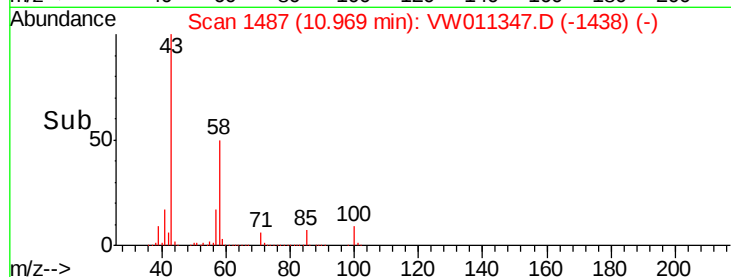
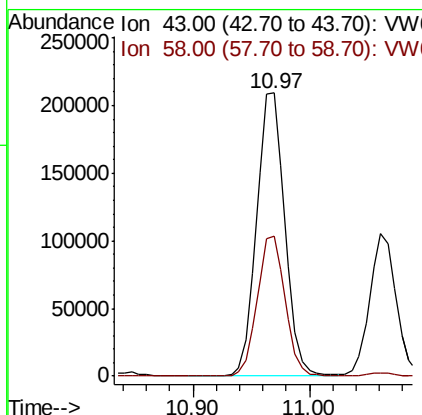
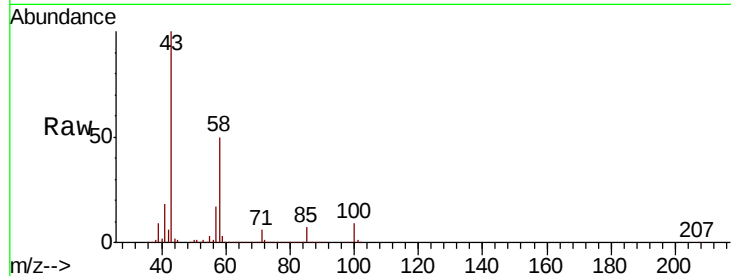




#59
2-Hexanone
Concen: 277.825 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

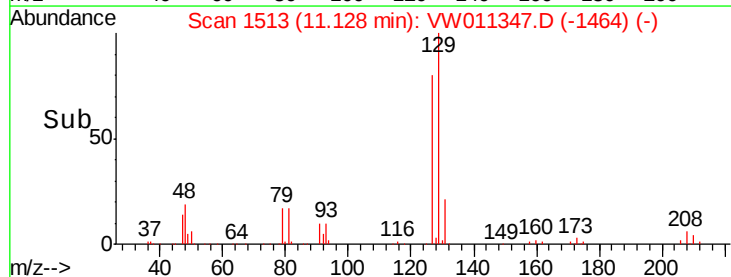
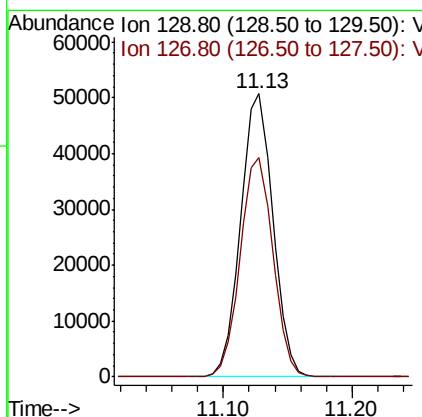
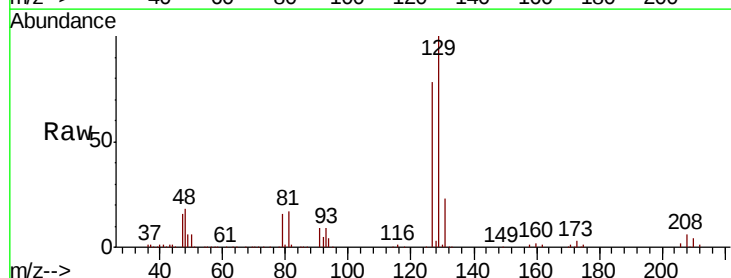
Instrument :
MSVOA_W
ClientSampleId :

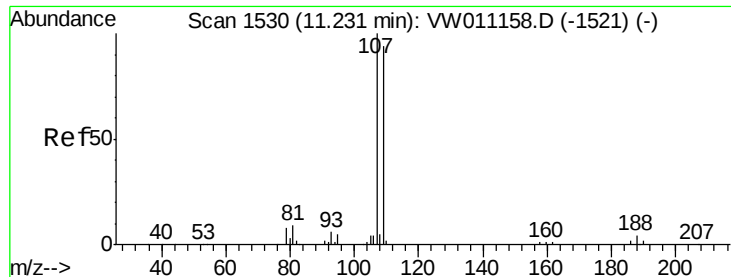
Tot Ion: 43 Resp: 354336
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4



#60
Dibromochloromethane
Concen: 51.770 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 129 Resp: 87871
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.3

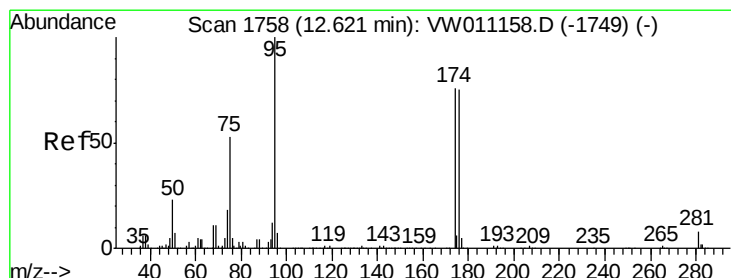
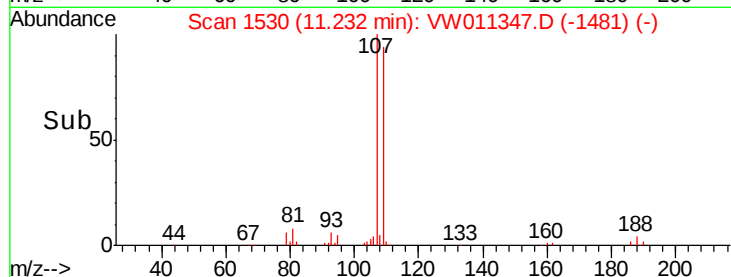
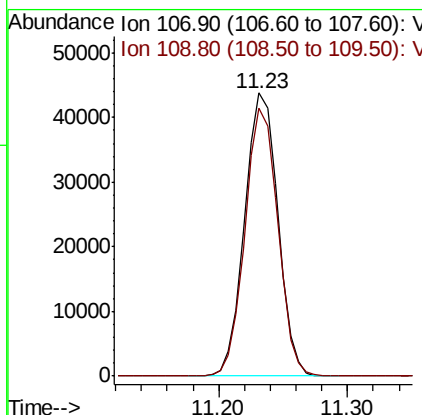
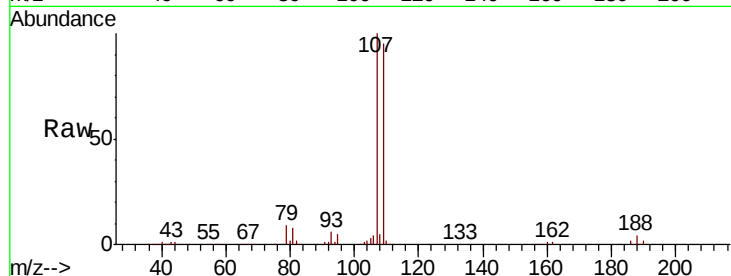




#61
 1,2-Dibromoethane
 Concen: 53.210 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

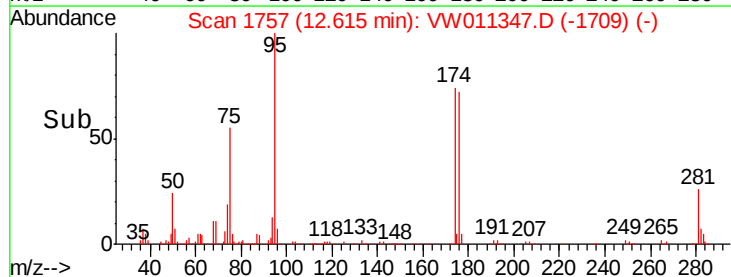
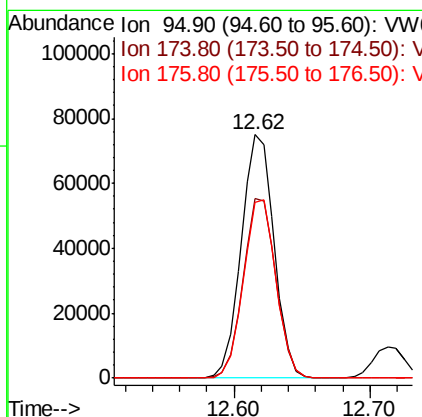
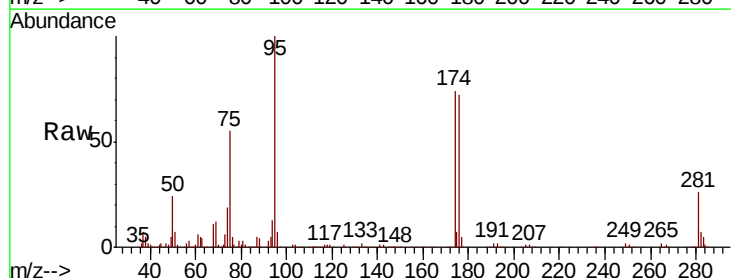
Instrument :
 MSVOA_W
 ClientSampleId :

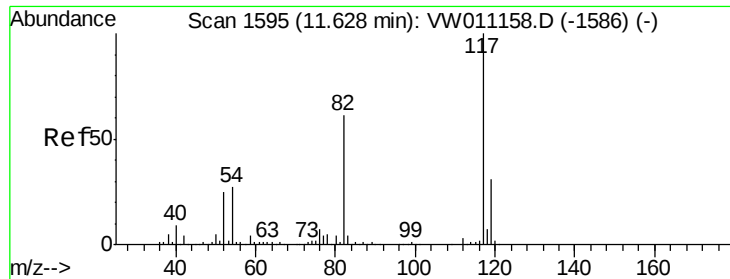
Tot Ion:107 Resp: 78016
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.013 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

Tgt Ion: 95 Resp: 126146
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 147.6
 176 73.1 0.0 144.6

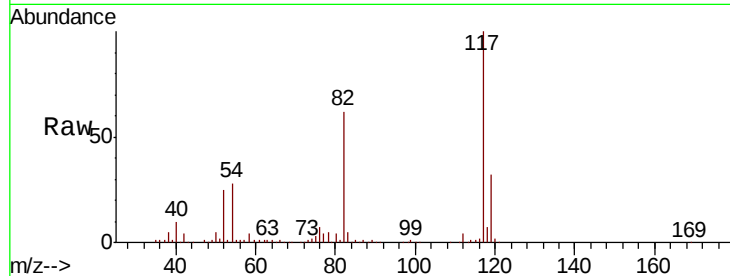




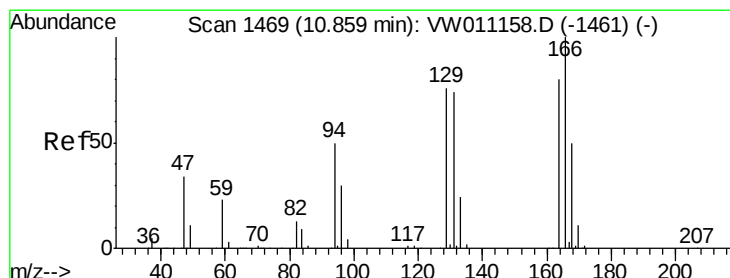
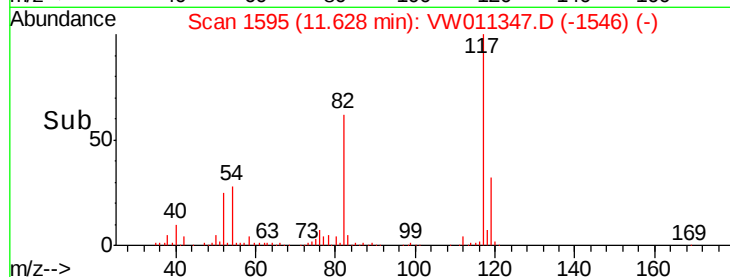
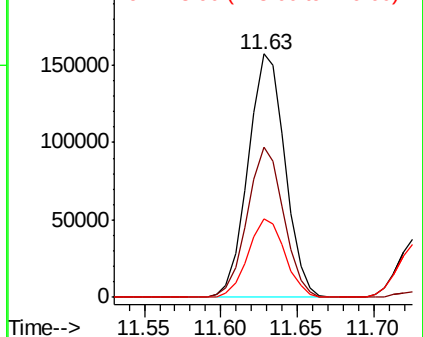
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 264148
Ion Ratio Lower Upper
117 100
82 61.7 48.9 73.3
119 32.1 25.0 37.6

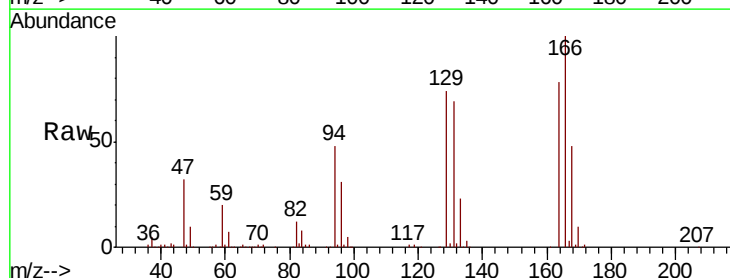


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

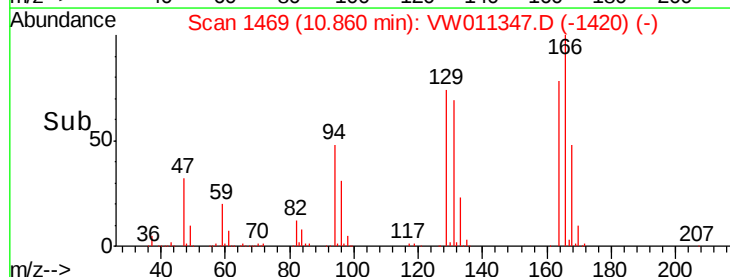
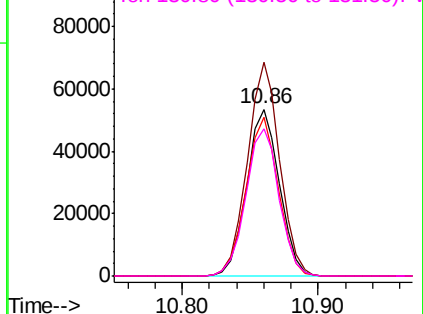


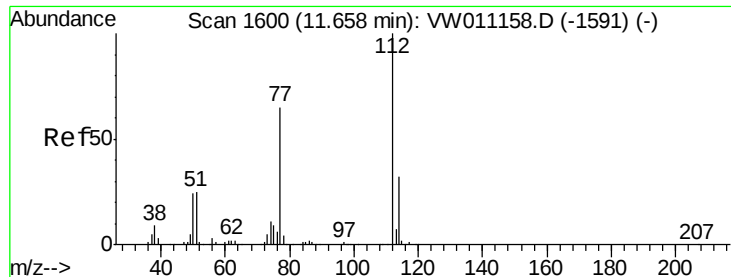
#64
Tetrachloroethene
Concen: 50.690 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion:164 Resp: 90350
Ion Ratio Lower Upper
164 100
166 128.2 99.7 149.5
129 95.3 76.2 114.2
131 88.5 74.0 111.0



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

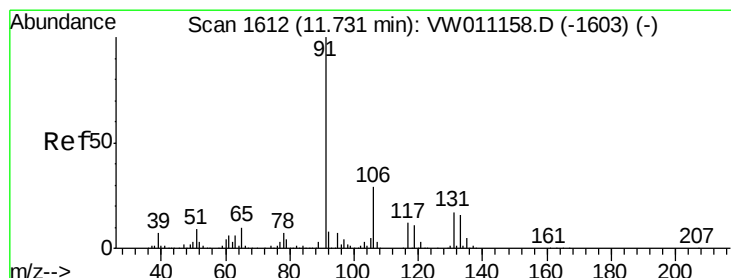
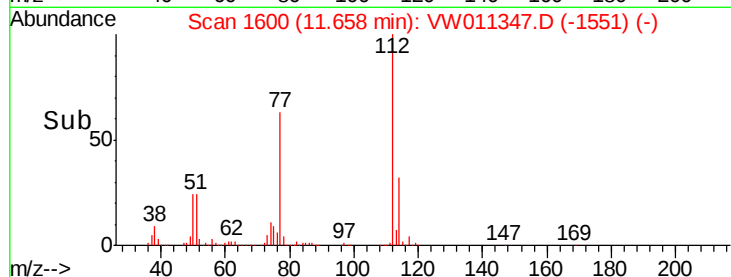
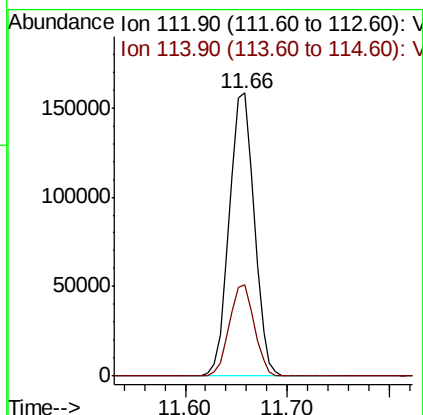
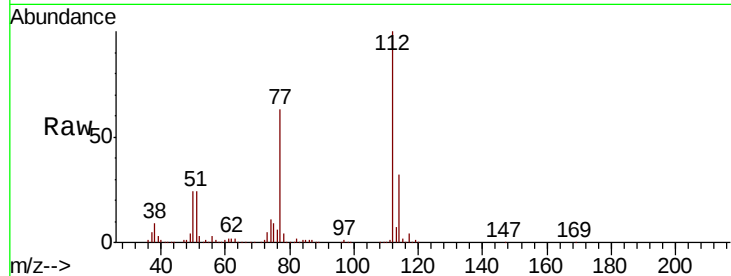




#65
Chlorobenzene
Concen: 49.755 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

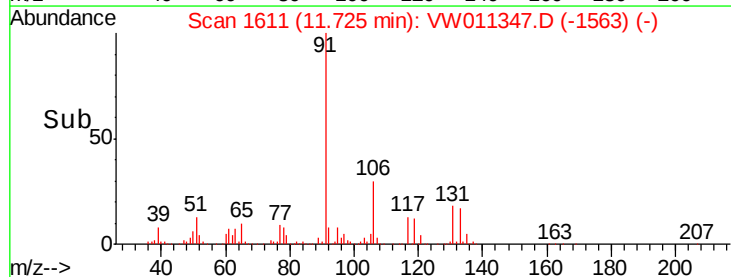
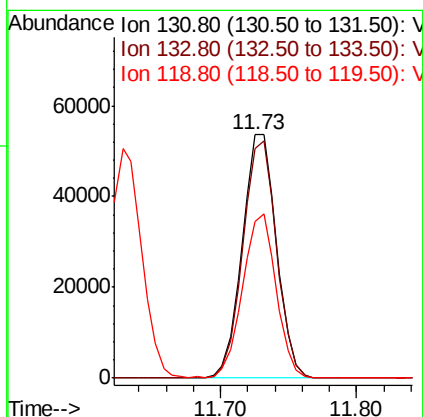
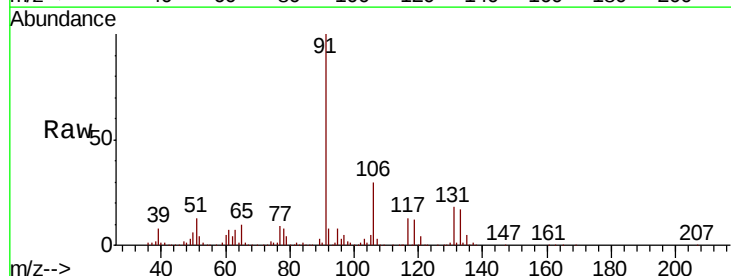
Instrument :
MSVOA_W
ClientSampleId :

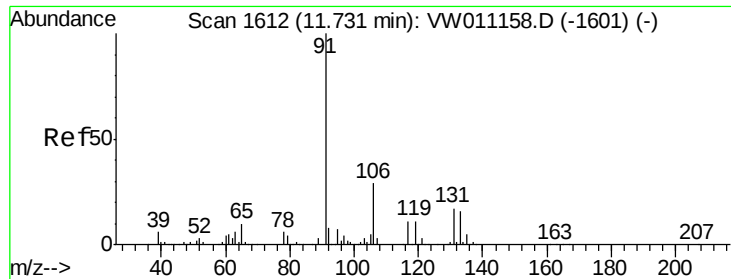
Tot Ion:112 Resp: 267206
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.060 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion:131 Resp: 94659
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.8
119 66.1 33.1 99.2

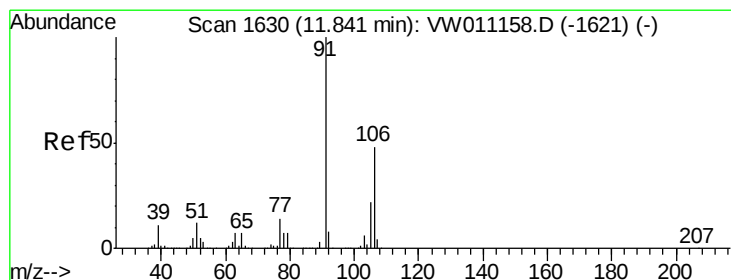
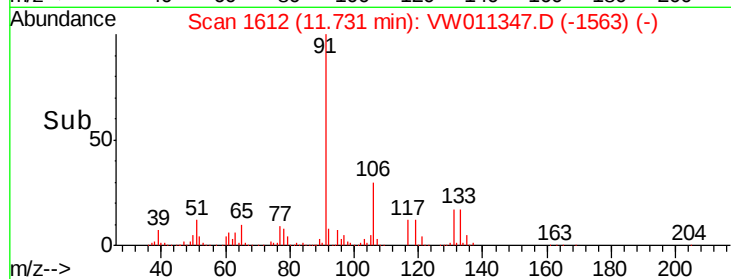
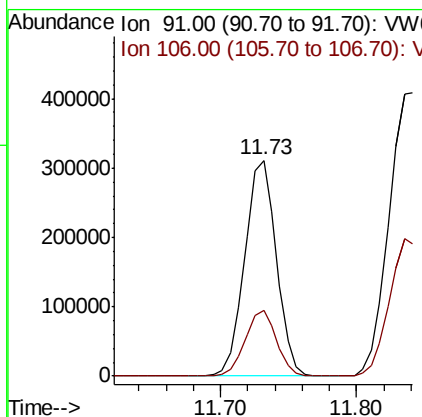
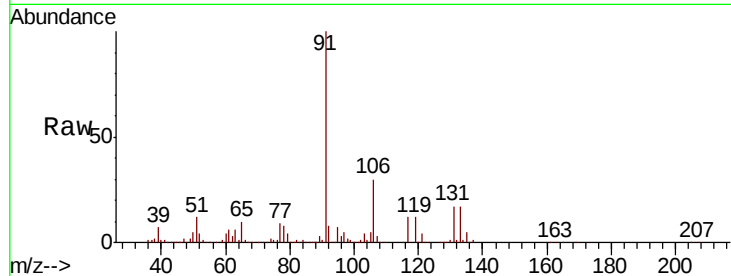




#67
Ethyl Benzene
Concen: 49.450 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

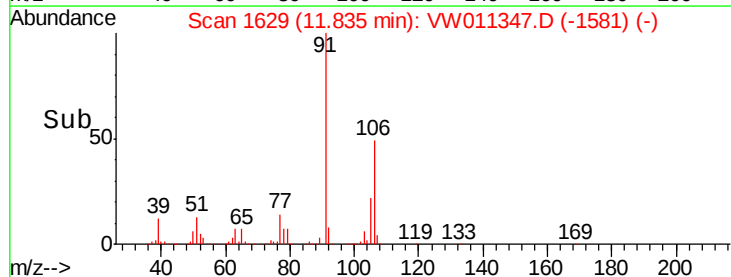
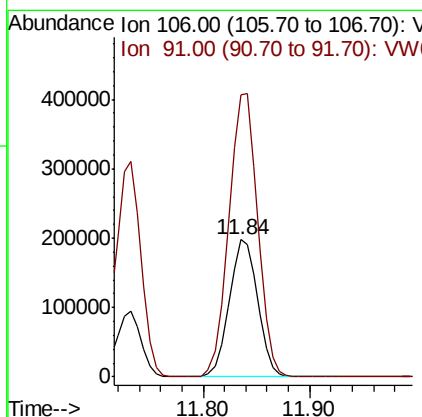
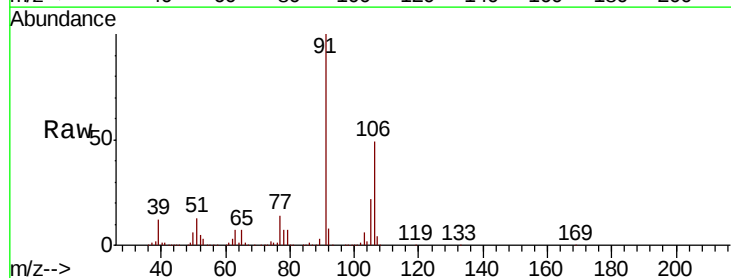
Instrument :
MSVOA_W
ClientSampled :

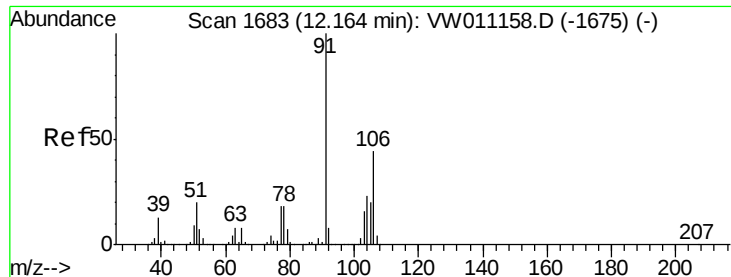
Tot Ion: 91 Resp: 508394
Ion Ratio Lower Upper
91 100
106 30.3 23.5 35.3



#68
m/p-Xylenes
Concen: 99.552 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion: 106 Resp: 370340
Ion Ratio Lower Upper
106 100
91 209.6 167.7 251.5

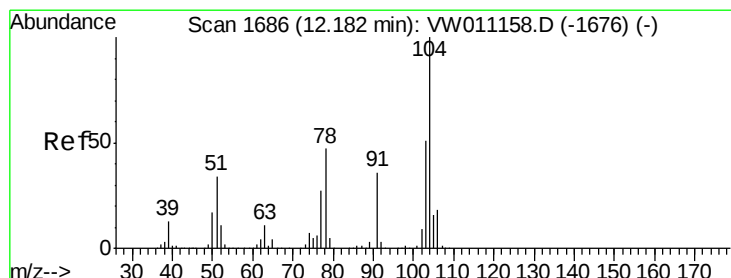
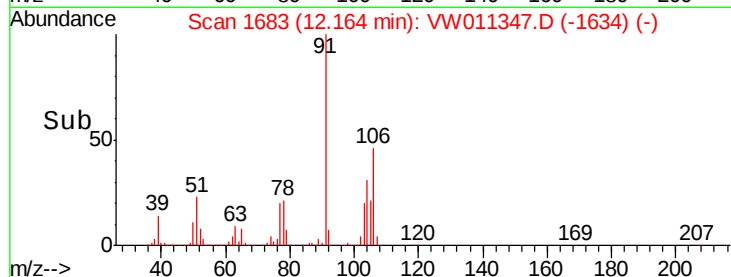
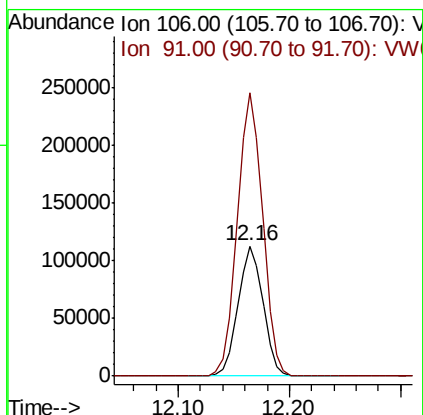
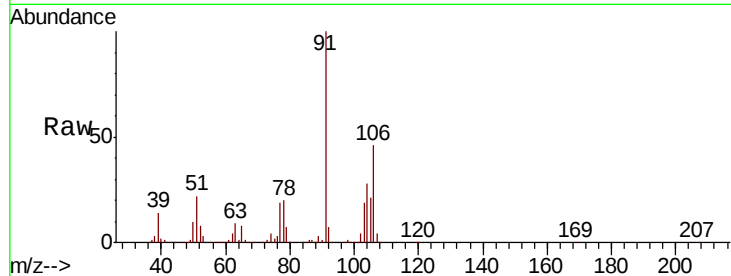




#69
o-Xylene
Concen: 50.022 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

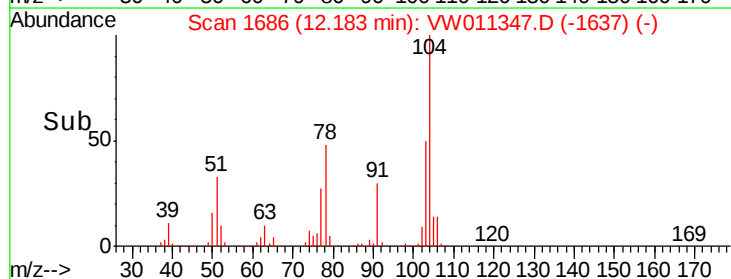
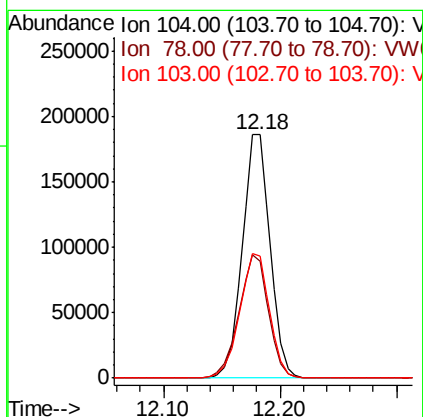
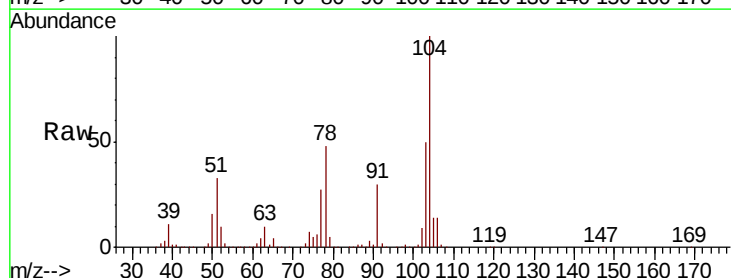
Instrument :
MSVOA_W
ClientSampled :

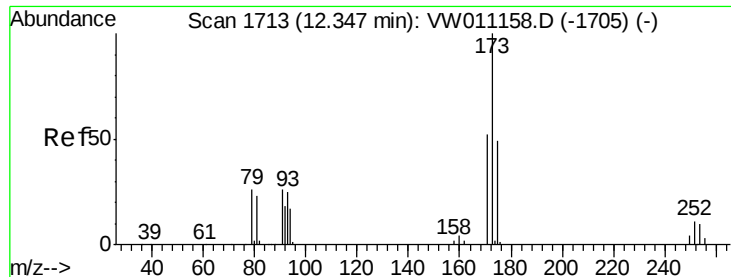
Tot Ion:106 Resp: 175387
Ion Ratio Lower Upper
106 100
91 220.4 110.7 332.1



#70
Styrene
Concen: 51.144 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion:104 Resp: 309481
Ion Ratio Lower Upper
104 100
78 53.8 43.1 64.7
103 54.4 44.1 66.1





#71

Bromoform

Concen: 49.677 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

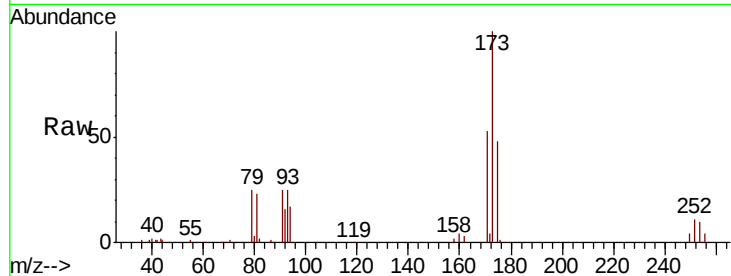
Tot Ion:173 Resp: 49944

Ion Ratio Lower Upper

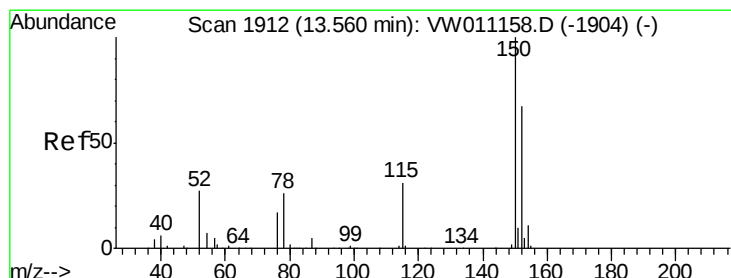
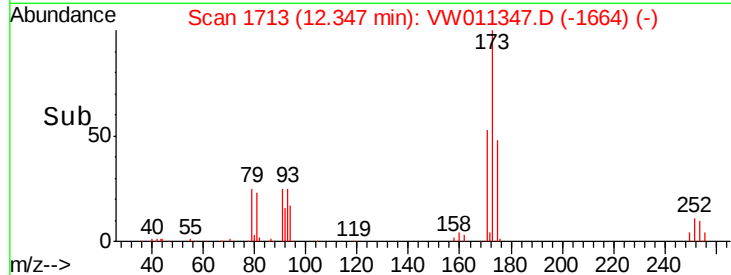
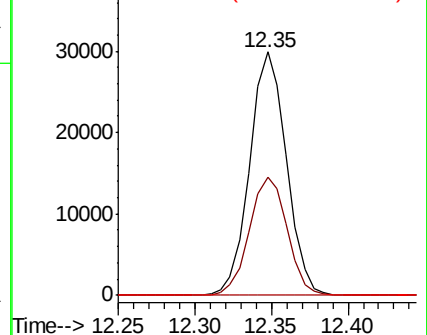
173 100

175 49.8 24.8 74.3

254 0.1 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: VW011347.D

Acq: 18 Jul 2019 21:35

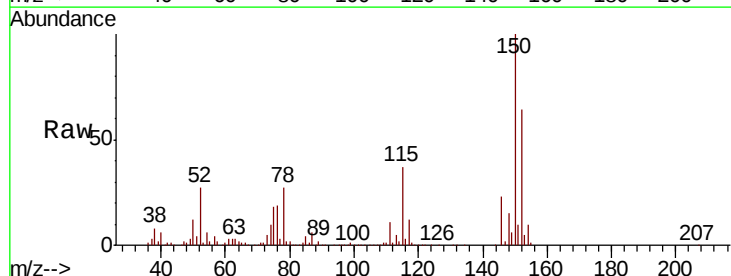
Tgt Ion:152 Resp: 131916

Ion Ratio Lower Upper

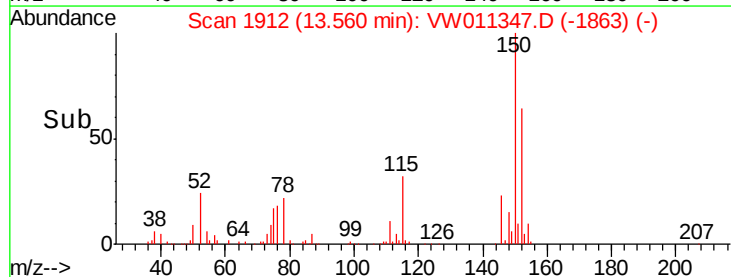
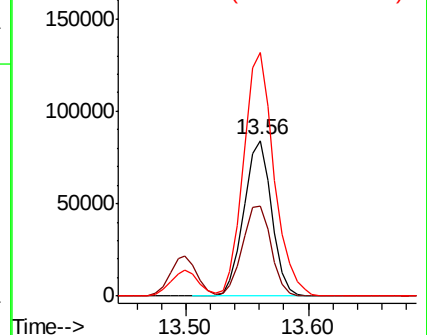
152 100

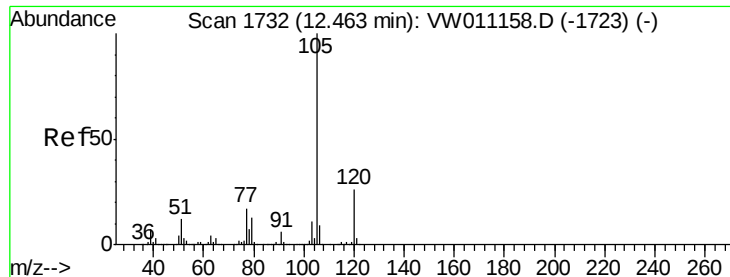
115 59.8 30.1 90.3

150 171.7 0.0 346.0



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





#73

Isopropylbenzene

Concen: 48.206 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

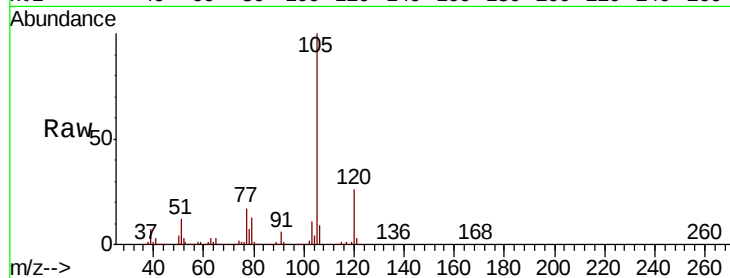
ClientSampleId :

Tot Ion:105 Resp: 475367

Ion Ratio Lower Upper

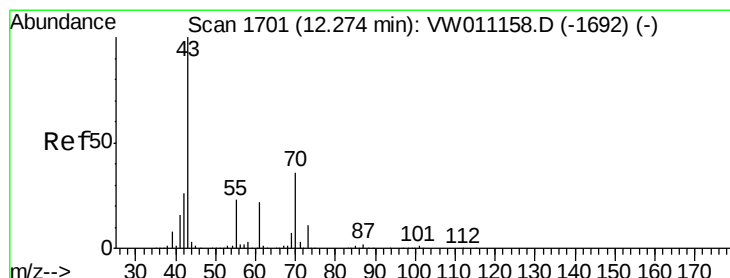
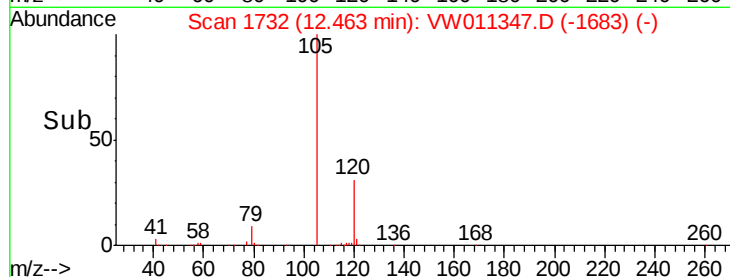
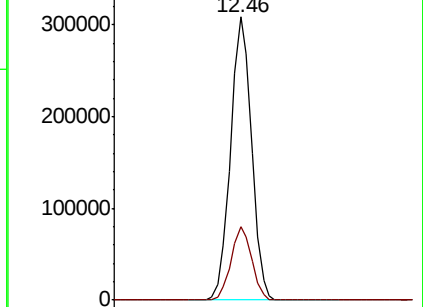
105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.616 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Tgt Ion: 43 Resp: 177269

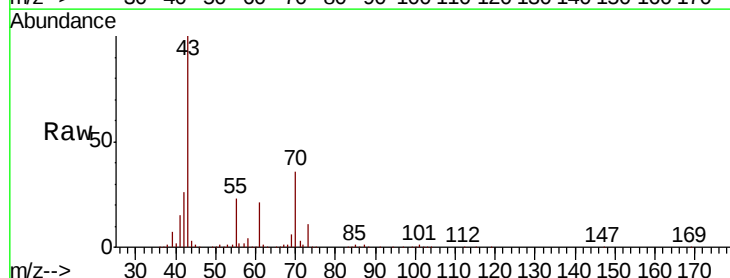
Ion Ratio Lower Upper

43 100

70 36.0 28.5 42.7

55 22.8 18.1 27.1

61 21.2 17.2 25.8

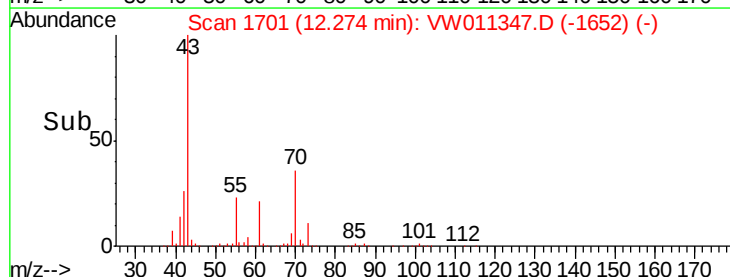
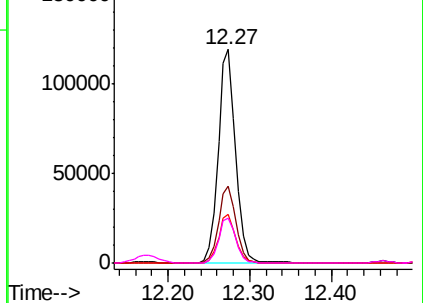


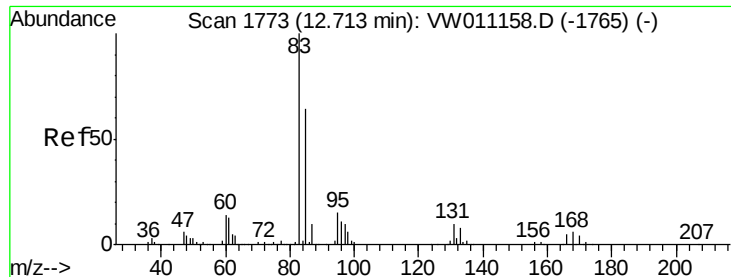
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 51.590 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

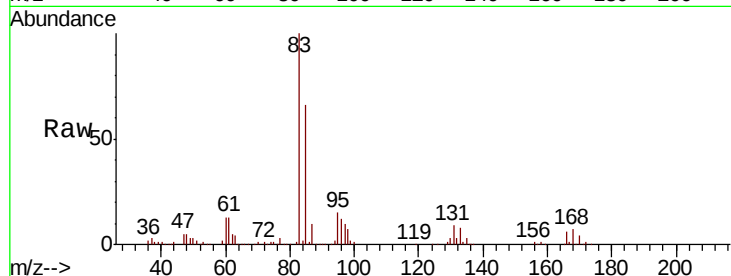
Tot Ion: 83 Resp: 104284

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

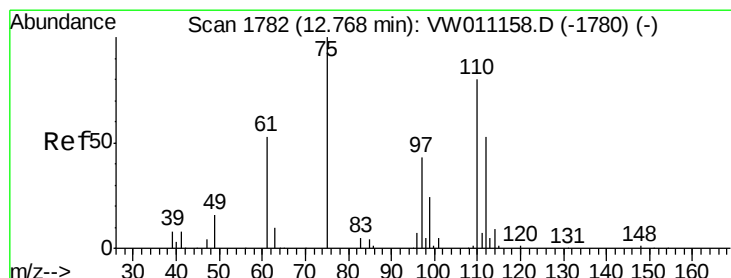
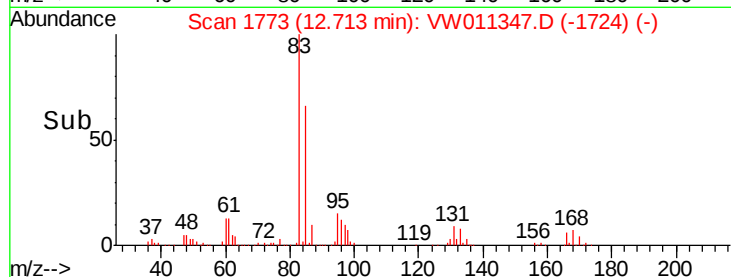
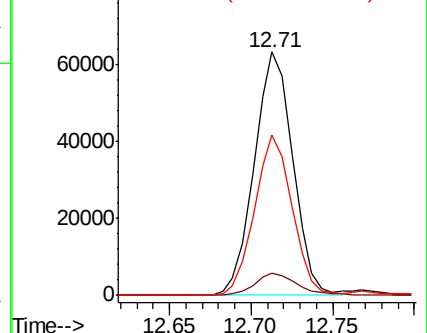
85 64.0 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 87.975 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011347.D

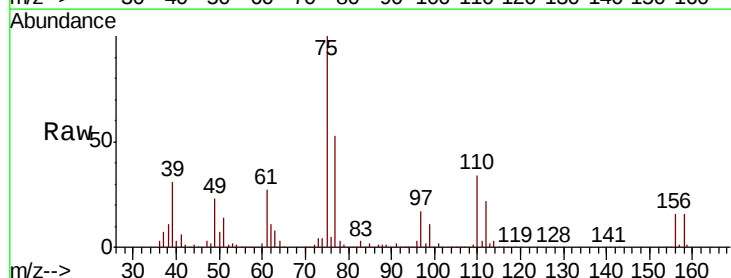
Acq: 18 Jul 2019 21:35

Tgt Ion: 75 Resp: 134115

Ion Ratio Lower Upper

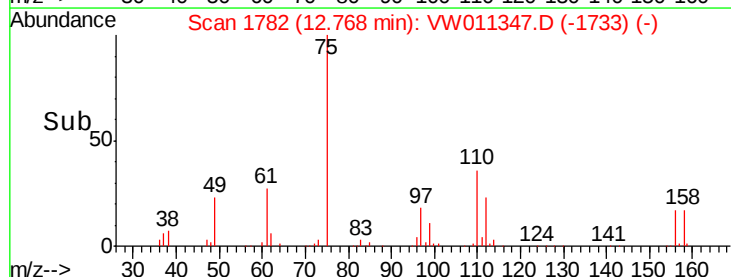
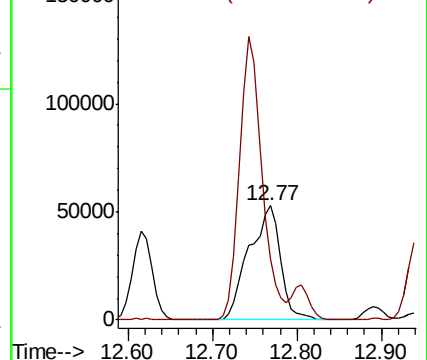
75 100

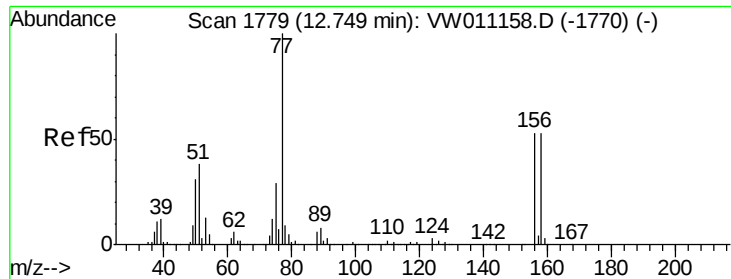
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.194 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampled :

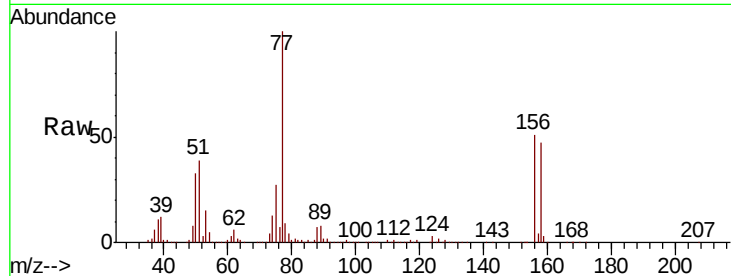
Tot Ion:156 Resp: 108867

Ion Ratio Lower Upper

156 100

77 218.3 109.0 327.0

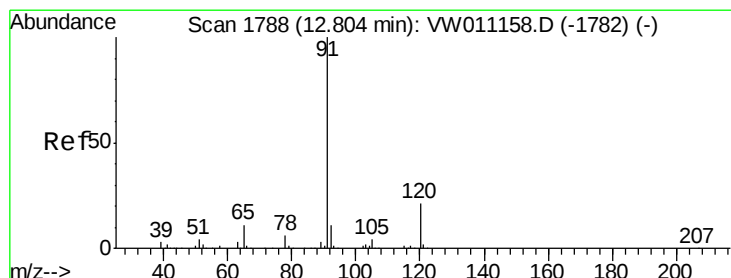
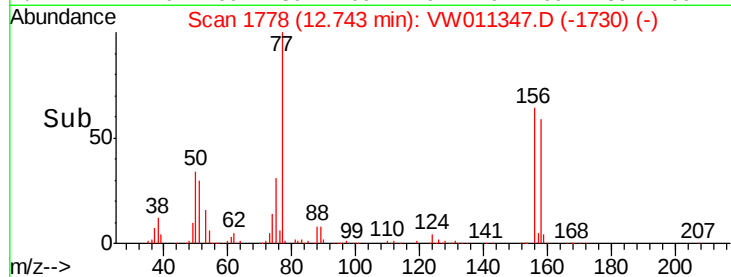
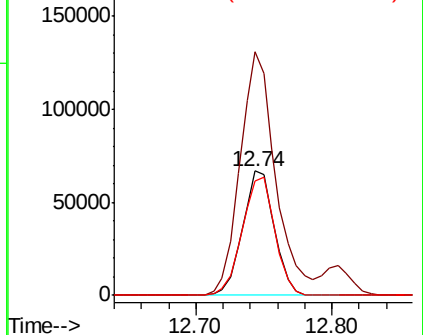
158 97.6 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.511 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011347.D

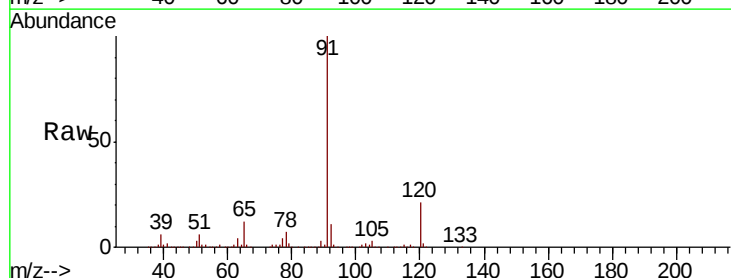
Acq: 18 Jul 2019 21:35

Tgt Ion: 91 Resp: 589290

Ion Ratio Lower Upper

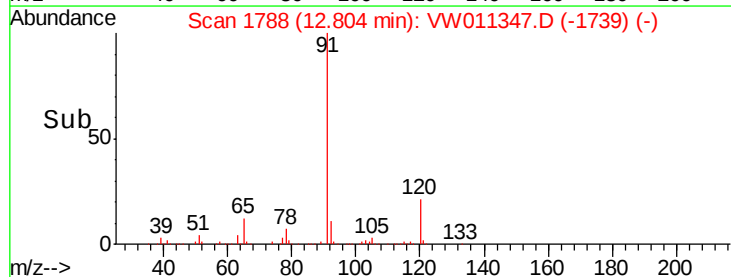
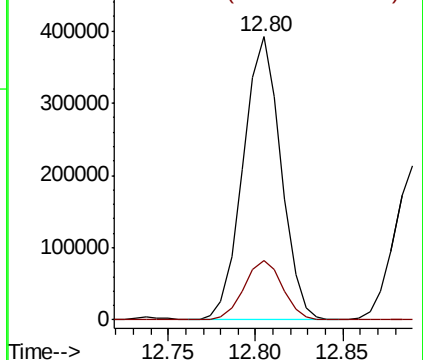
91 100

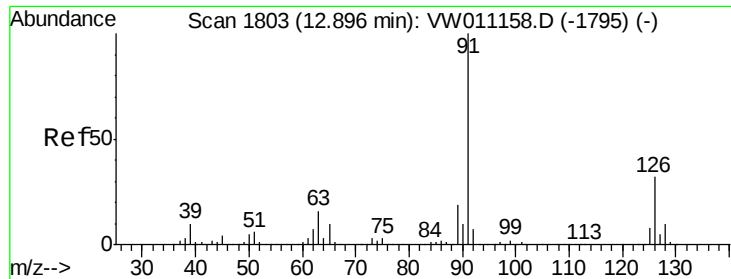
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.290 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

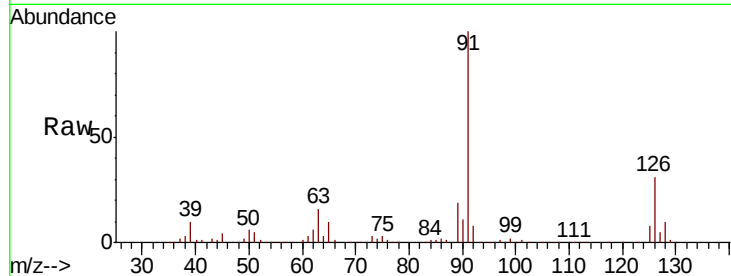
ClientSampleId :

Tot Ion: 91 Resp: 337565

Ion Ratio Lower Upper

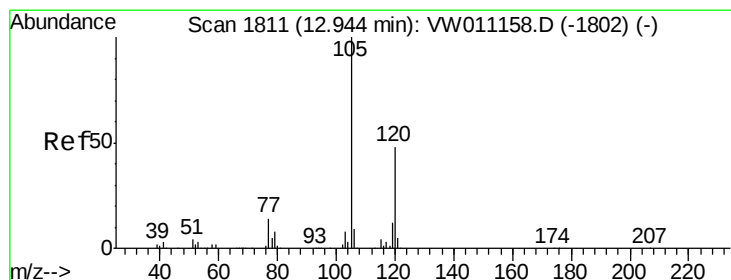
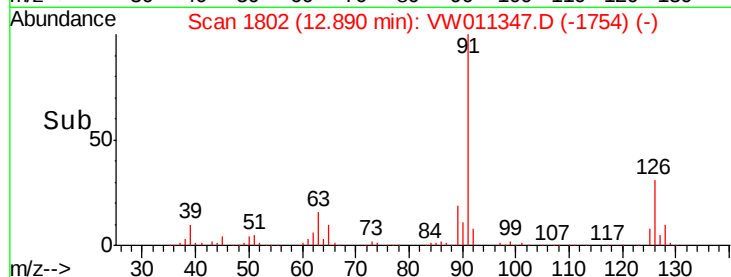
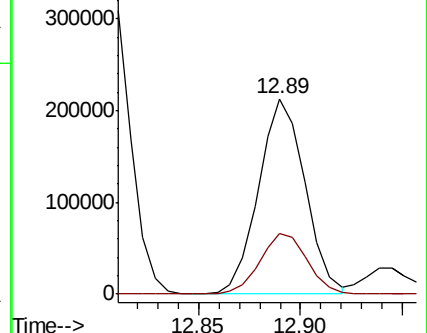
91 100

126 31.4 15.8 47.3



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: 48.730 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011347.D

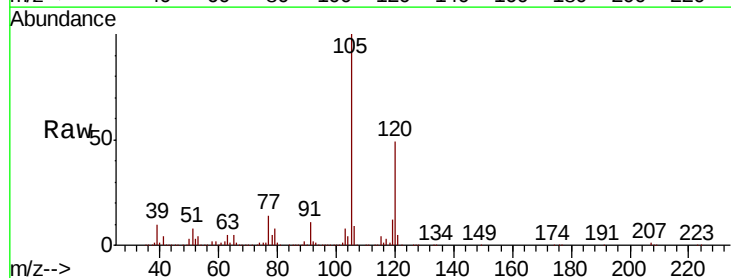
Acq: 18 Jul 2019 21:35

Tgt Ion:105 Resp: 408242

Ion Ratio Lower Upper

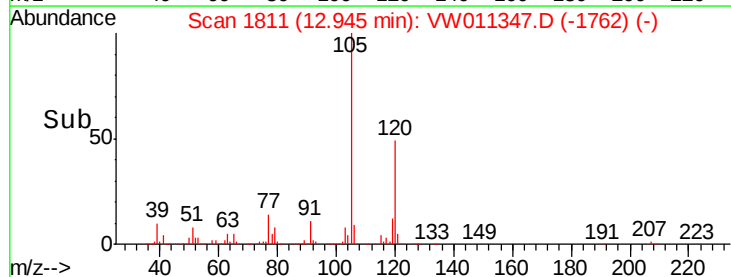
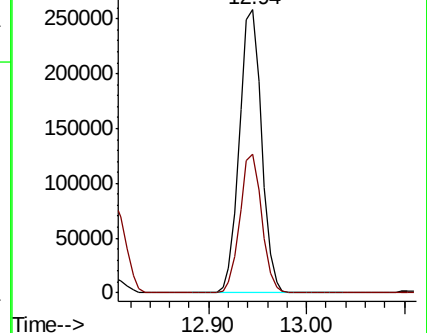
105 100

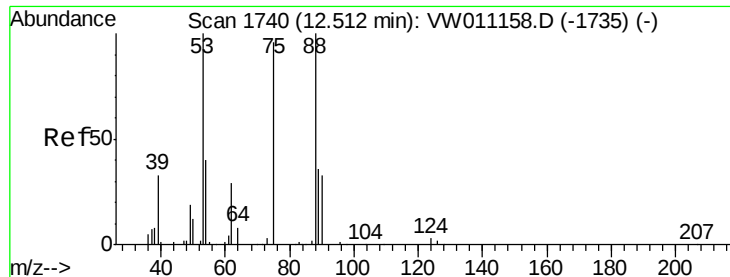
120 48.1 24.1 72.2



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: 45.188 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

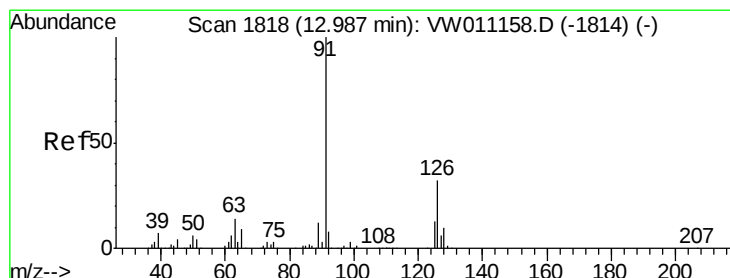
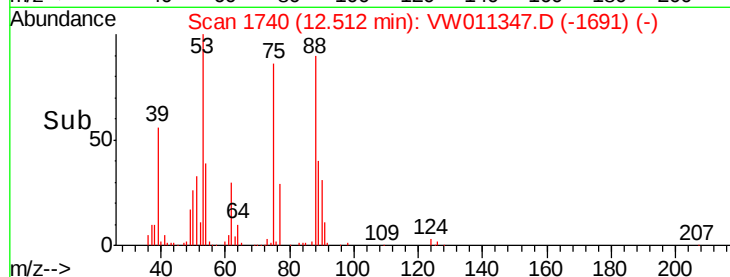
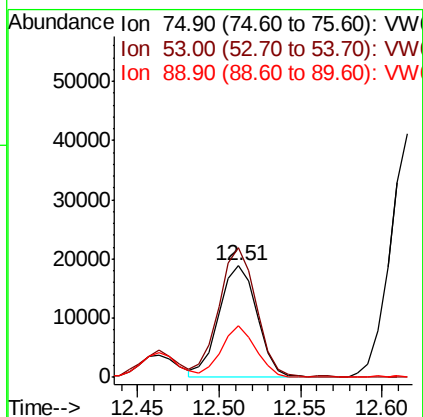
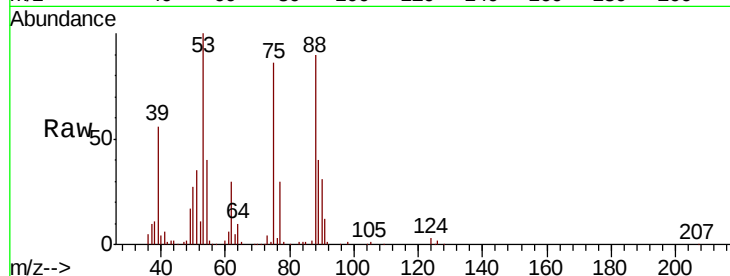
Tot Ion: 75 Resp: 30457

Ion Ratio Lower Upper

75 100

53 113.2 89.8 134.6

89 42.4 34.3 51.5



#82

4-Chlorotoluene

Concen: 49.162 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011347.D

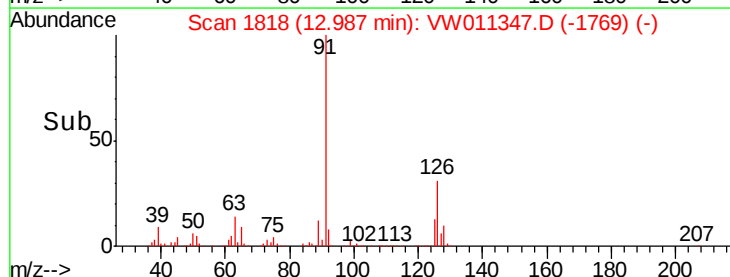
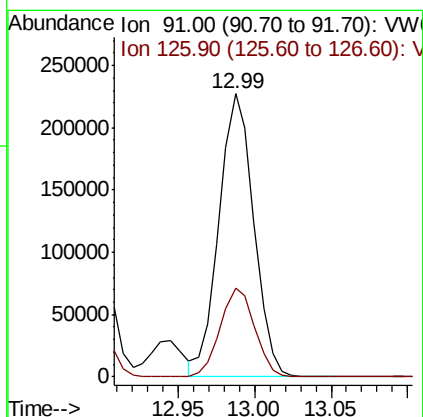
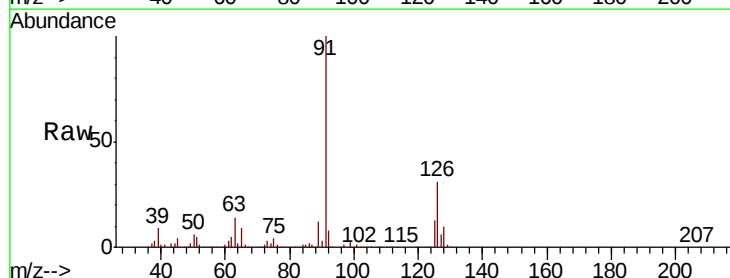
Acq: 18 Jul 2019 21:35

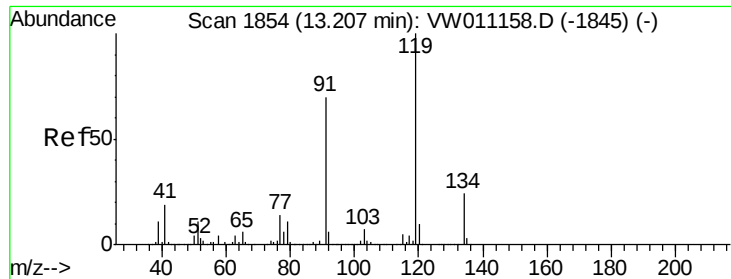
Tgt Ion: 91 Resp: 357942

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1

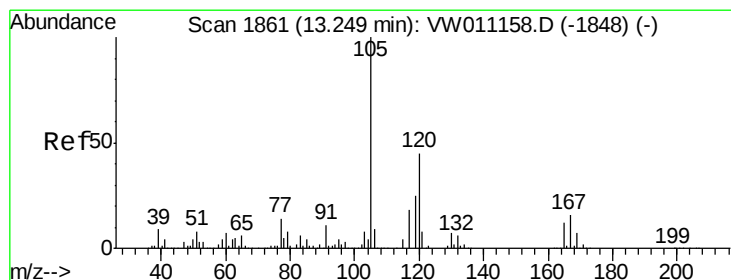
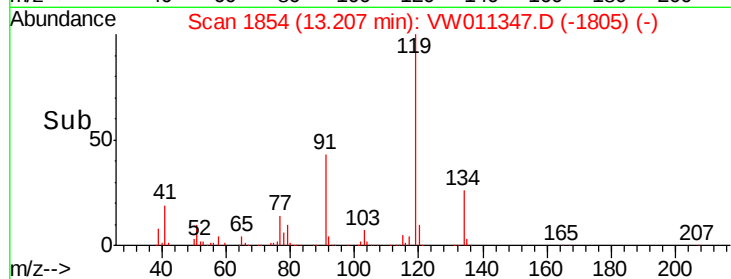
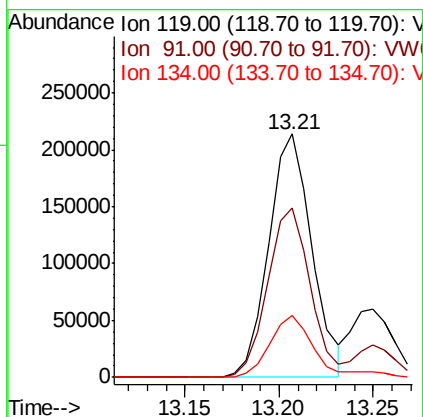
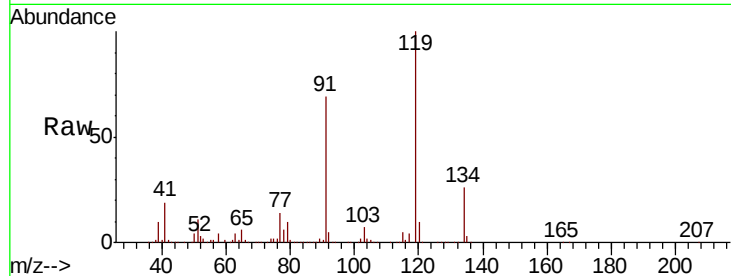




#83
tert-Butylbenzene
Concen: 48.586 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

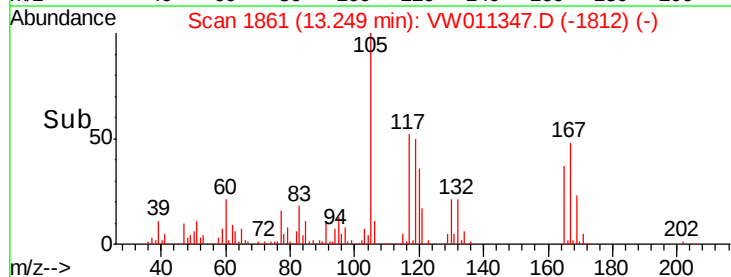
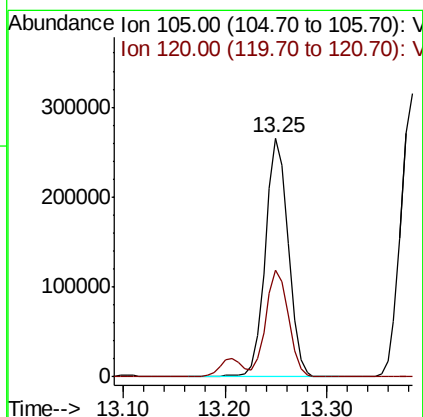
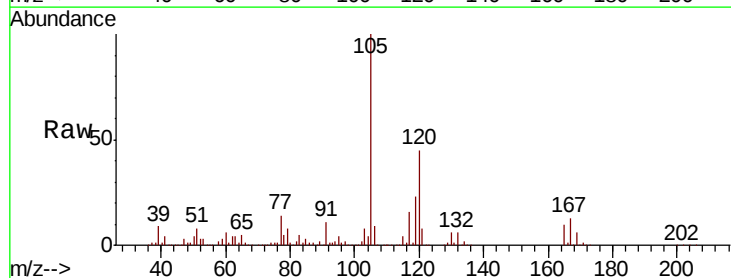
Instrument :
MSVOA_W
ClientSampled :

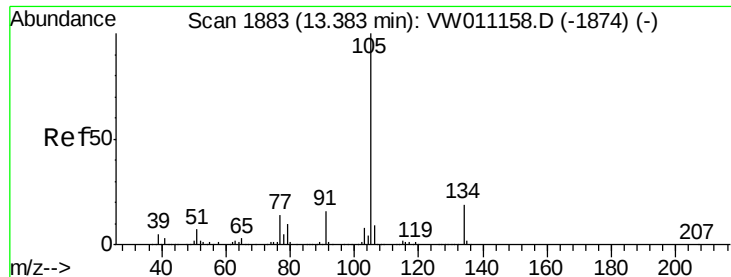
Tot Ion:119 Resp: 339466
Ion Ratio Lower Upper
119 100
91 68.4 35.4 106.3
134 26.5 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 49.149 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion:105 Resp: 413445
Ion Ratio Lower Upper
105 100
120 43.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 47.823 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

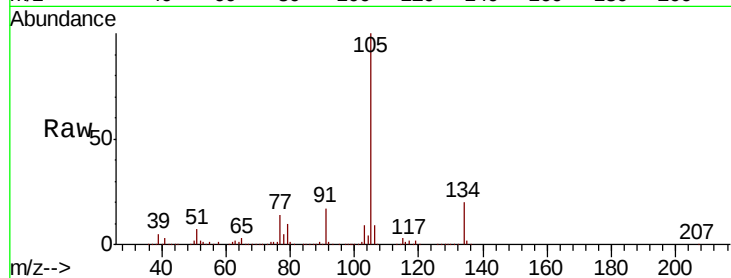
ClientSampleId :

Tot Ion:105 Resp: 482134

Ion Ratio Lower Upper

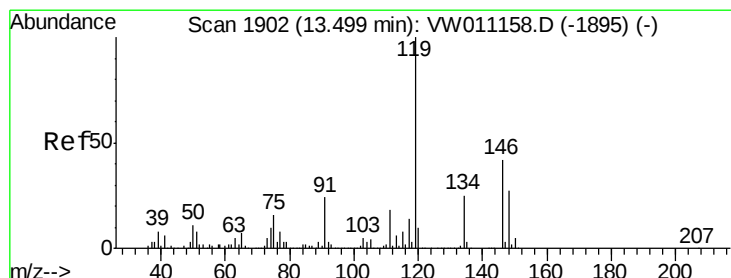
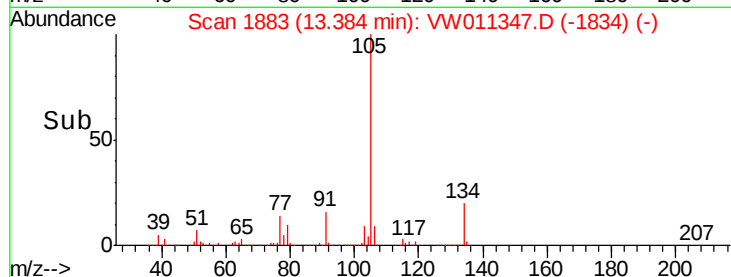
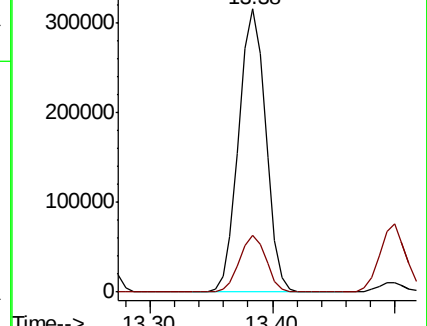
105 100

134 19.6 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.614 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

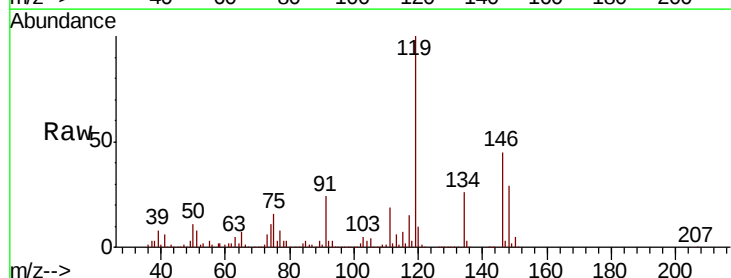
Tgt Ion:119 Resp: 439592

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

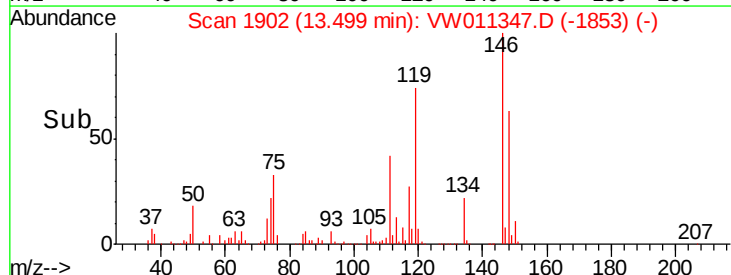
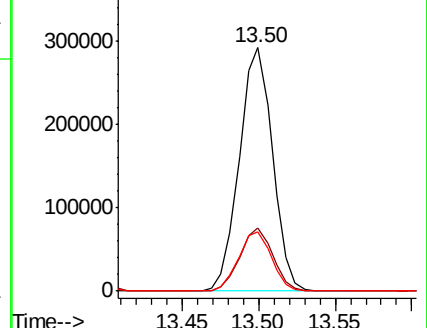
91 24.4 12.3 36.8

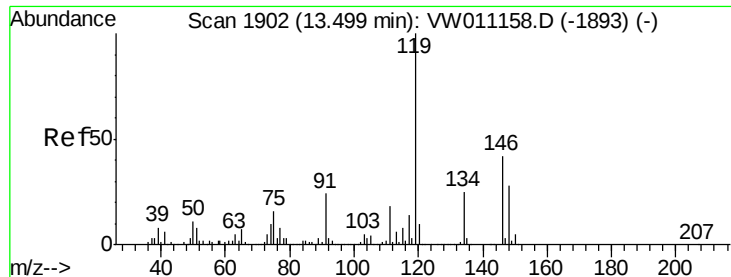


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.360 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

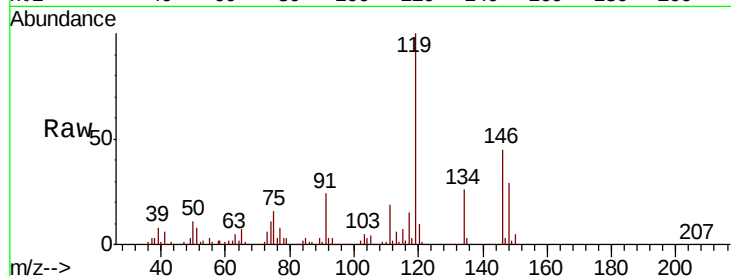
Tot Ion:146 Resp: 210170

Ion Ratio Lower Upper

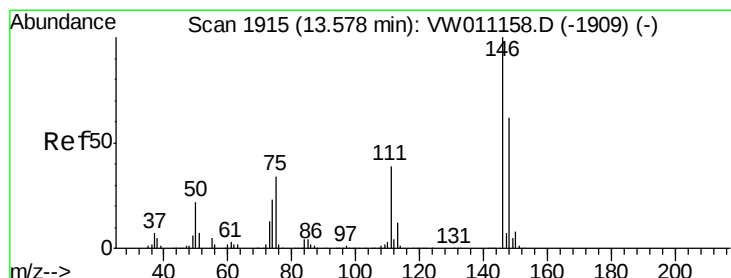
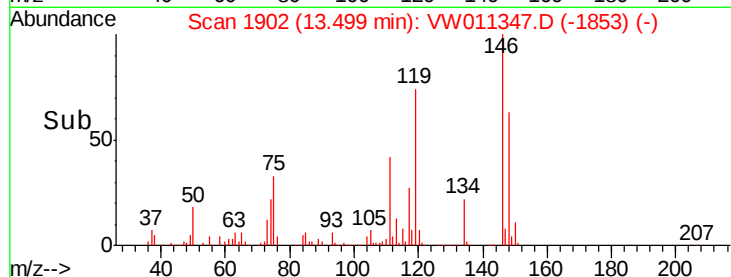
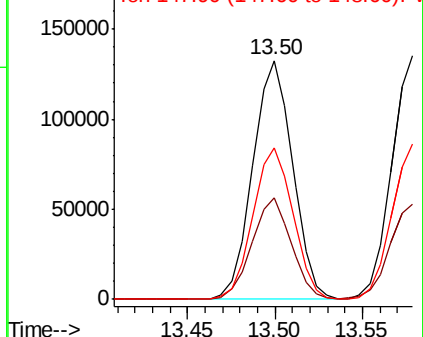
146 100

111 41.8 21.1 63.1

148 63.7 32.6 97.7



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



#88

1,4-Dichlorobenzene

Concen: 49.544 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

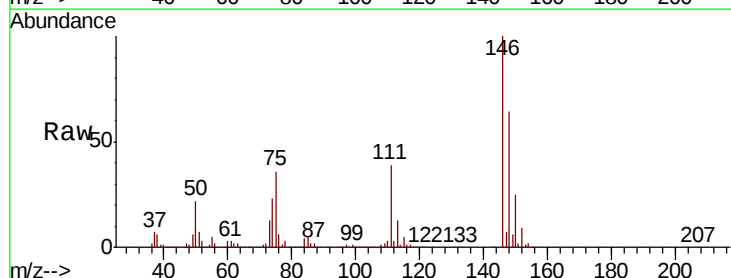
Tgt Ion:146 Resp: 212423

Ion Ratio Lower Upper

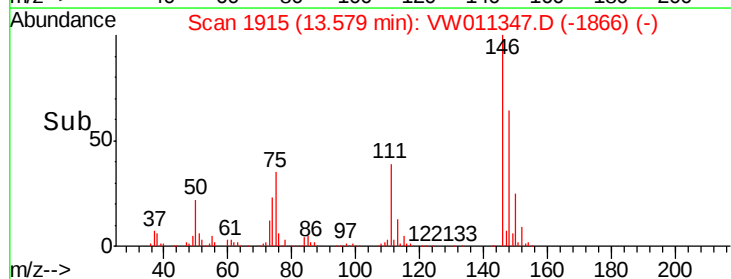
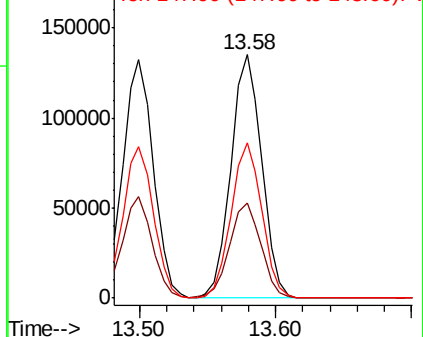
146 100

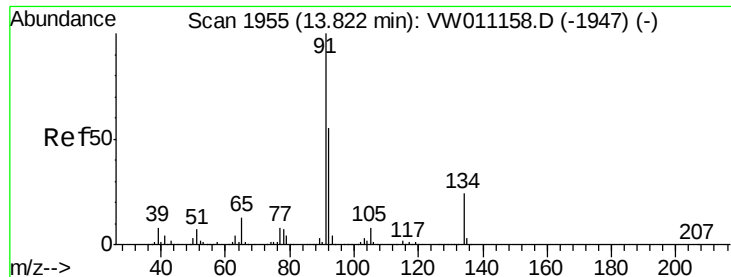
111 39.9 19.9 59.7

148 63.6 31.5 94.5



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





#89

n-Butylbenzene

Concen: 48.233 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

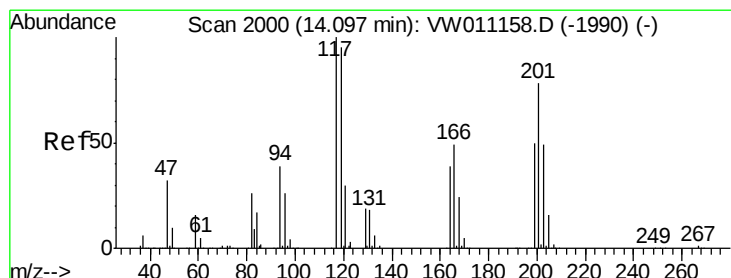
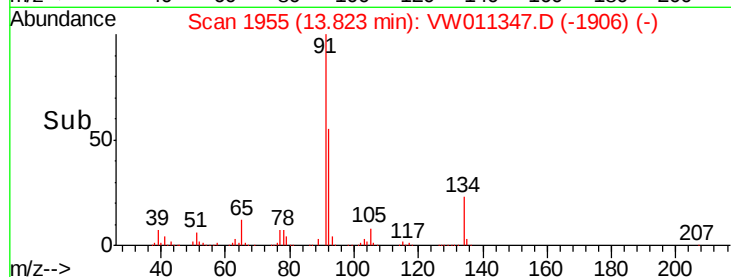
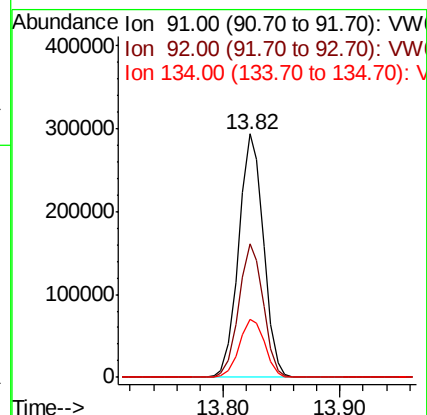
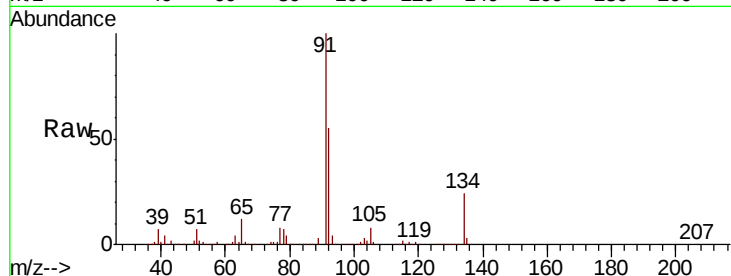
Tot Ion: 91 Resp: 435084

Ion Ratio Lower Upper

91 100

92 54.3 26.9 80.7

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 47.072 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011347.D

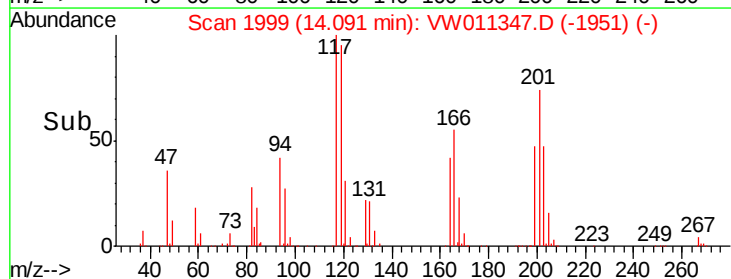
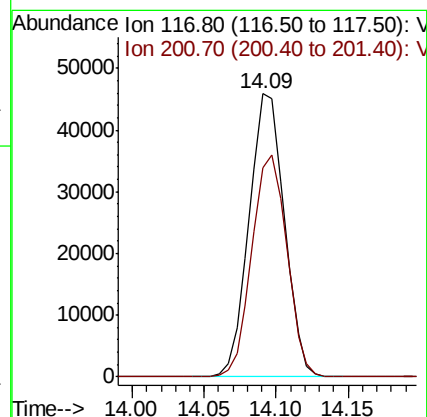
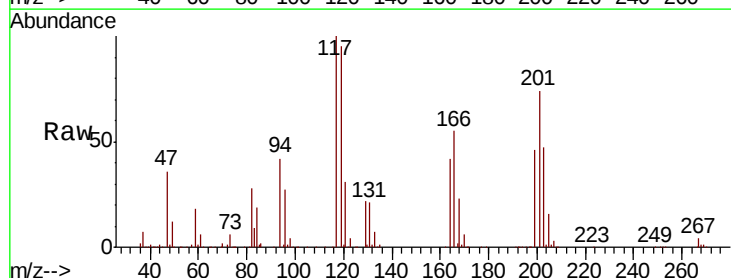
Acq: 18 Jul 2019 21:35

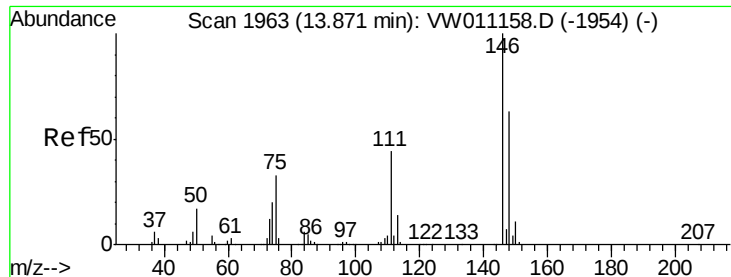
Tgt Ion: 117 Resp: 77781

Ion Ratio Lower Upper

117 100

201 77.9 38.3 114.8





#91

1,2-Dichlorobenzene

Concen: 49.656 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

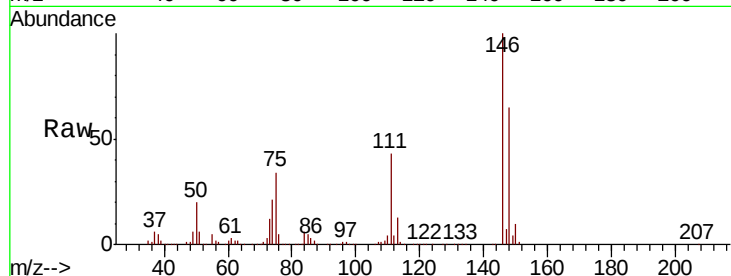
Tot Ion:146 Resp: 191813

Ion Ratio Lower Upper

146 100

111 43.0 21.6 65.0

148 63.5 31.9 95.5

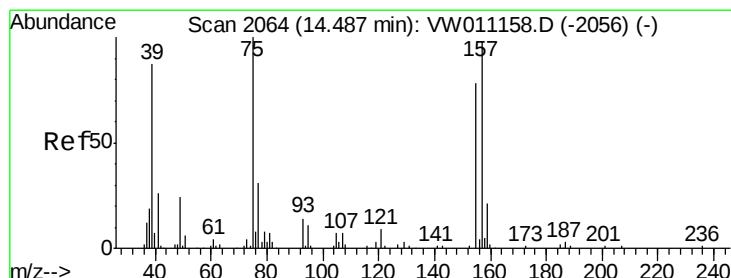
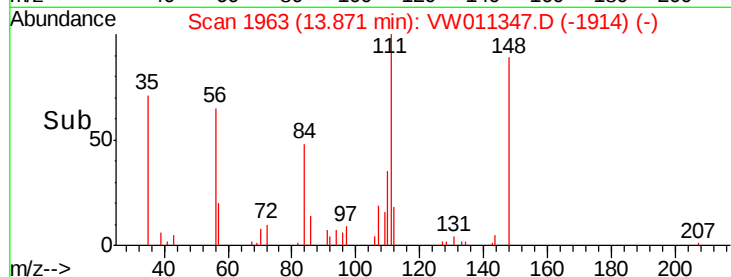
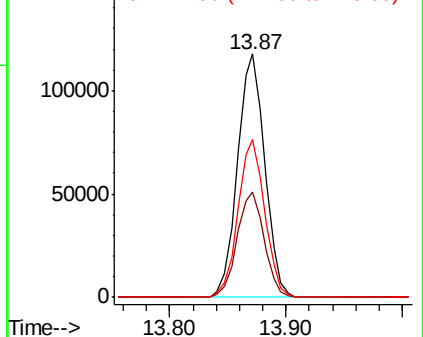


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.857 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011347.D

Acq: 18 Jul 2019 21:35

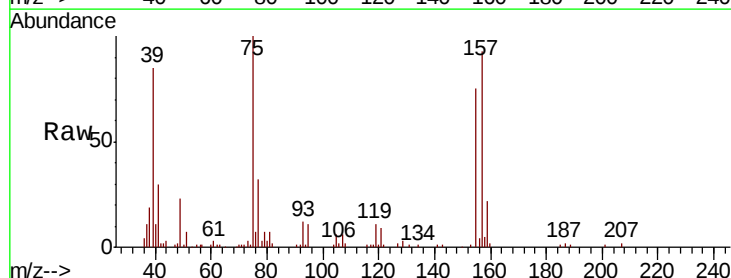
Tgt Ion: 75 Resp: 18235

Ion Ratio Lower Upper

75 100

155 73.9 37.1 111.3

157 92.6 48.5 145.6

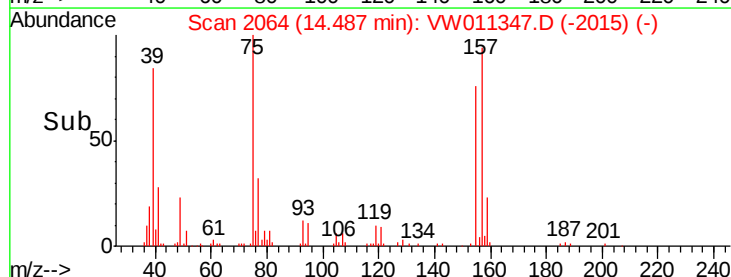
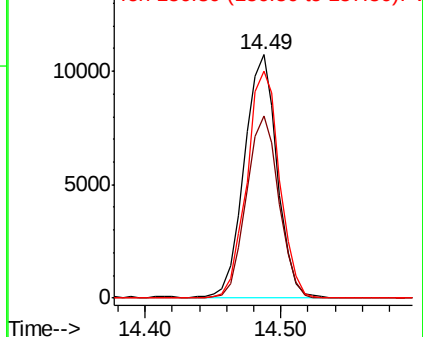


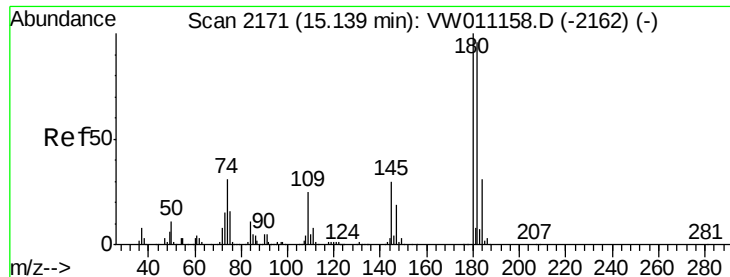
Abundance

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

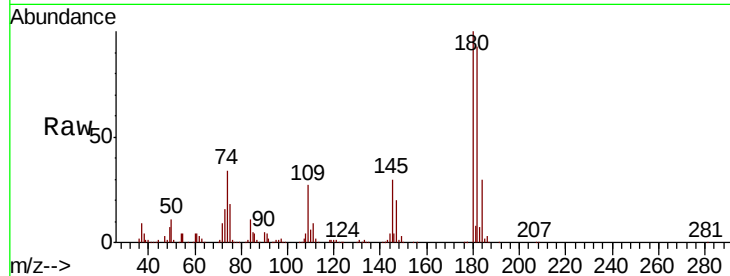




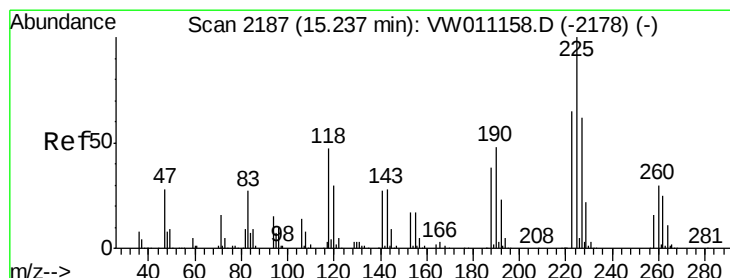
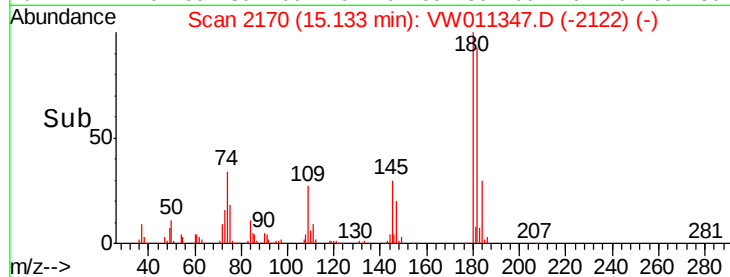
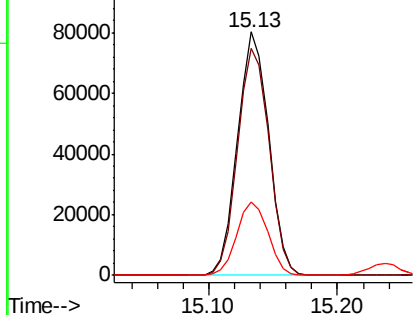
#93
 1,2,4-Trichlorobenzene
 Concen: 50.461 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180 Resp: 134256
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.3 144.9
 145 30.2 15.5 46.5

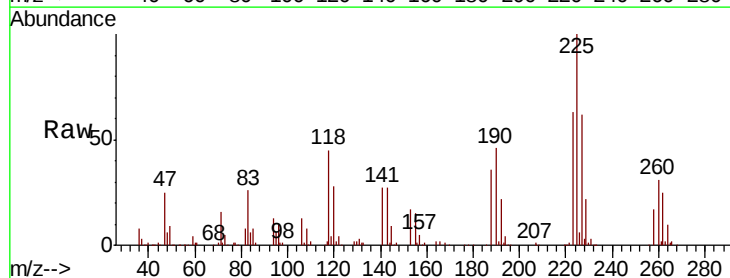


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

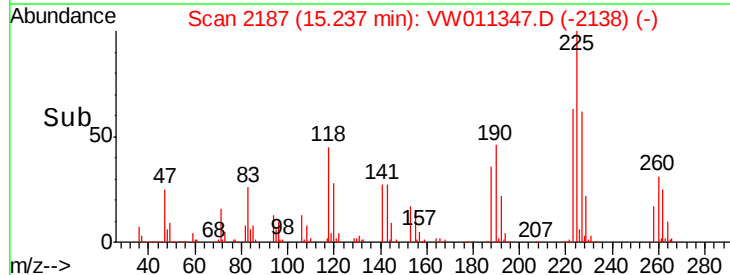
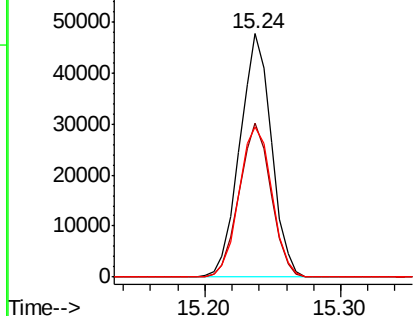


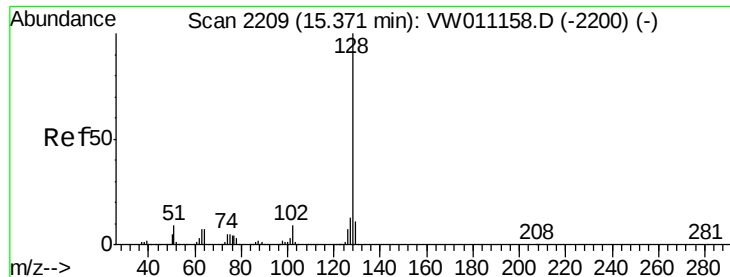
#94
 Hexachlorobutadiene
 Concen: 47.451 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011347.D
 Acq: 18 Jul 2019 21:35

Tgt Ion:225 Resp: 77509
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.6 95.0
 227 64.2 32.0 96.0



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

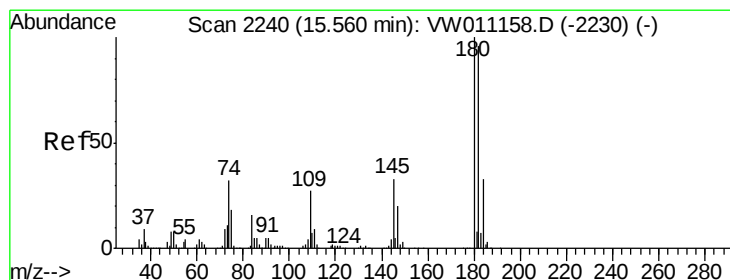
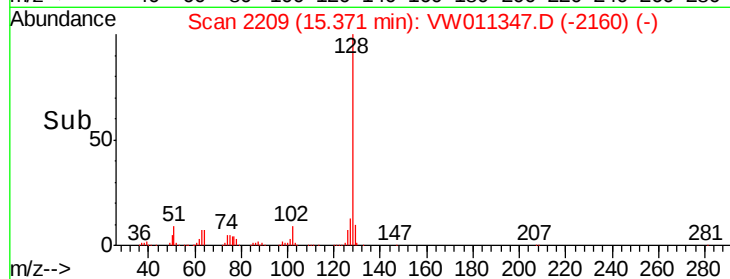
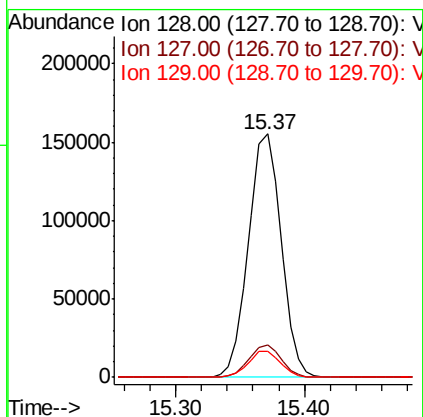
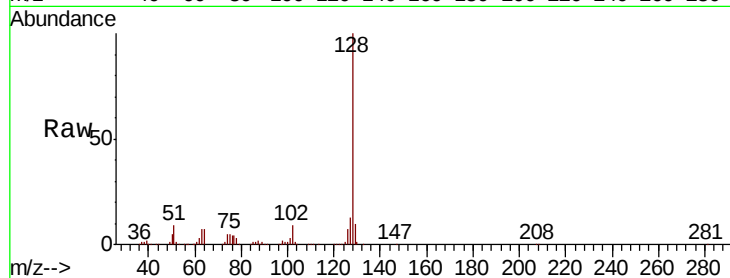




#95
Naphthalene
Concen: 53.460 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 272564
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.413 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011347.D
Acq: 18 Jul 2019 21:35

Tgt Ion:180 Resp: 118376
Ion Ratio Lower Upper
180 100
182 94.7 47.6 142.8
145 32.4 16.5 49.5

