

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011953.D
 Acq On : 16 Aug 2019 10:08
 Operator : SY/VA
 Sample : VW0817SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Quant Time: Aug 17 04:56:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135490	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.88	113	110380	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.32	98	446734	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.62	95	156549	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30386	22.818	ug/l	96
3) Chloromethane	2.21	50	48466	20.989	ug/l	99
4) Vinyl Chloride	2.36	62	61110	21.982	ug/l	93
5) Bromomethane	2.77	94	27435	17.829	ug/l	98
6) Chloroethane	2.91	64	32324	20.356	ug/l	93
7) Trichlorofluoromethane	3.25	101	29166	23.475	ug/l	100
8) Diethyl Ether	3.68	74	28175	20.001	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52062	22.090	ug/l	98
10) Methyl Iodide	4.27	142	68059	20.434	ug/l	100
11) Tert butyl alcohol	5.19	59	17576	74.268	ug/l	99
12) 1,1-Dichloroethene	4.03	96	51765	20.802	ug/l	99
13) Acrolein	3.89	56	13023	66.151	ug/l	94
14) Allyl chloride	4.67	41	110370	20.853	ug/l	99
15) Acrylonitrile	5.37	53	72549	103.172	ug/l	99
16) Acetone	4.13	43	75169	86.128	ug/l	98
17) Carbon Disulfide	4.38	76	151321	19.429	ug/l	99
18) Methyl Acetate	4.67	43	40117	20.461	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82352	20.855	ug/l	98
20) Methylene Chloride	4.91	84	57519	19.110	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	55659	20.746	ug/l	97
22) Diisopropyl ether	6.31	45	205572	20.601	ug/l	98
23) Vinyl Acetate	6.25	43	642619	102.489	ug/l	99
24) 1,1-Dichloroethane	6.21	63	110473	20.672	ug/l	98
25) 2-Butanone	7.17	43	106672	93.406	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62506	19.018	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59107	20.018	ug/l	100
28) Bromochloromethane	7.51	49	49255	20.764	ug/l	99
29) Tetrahydrofuran	7.54	42	67365	103.195	ug/l	99
30) Chloroform	7.67	83	101034	20.492	ug/l	95
31) Cyclohexane	7.95	56	108118	21.076	ug/l	# 93
32) 1,1,1-Trichloroethane	7.87	97	80329	21.393	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86126	22.100	ug/l	99
37) Ethyl Acetate	7.25	43	46361	20.678	ug/l	98
38) Carbon Tetrachloride	8.07	117	73763	22.110	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96174	22.412	ug/l	100
40) Benzene	8.32	78	233176	21.361	ug/l	99
41) Methacrylonitrile	7.49	41	30509	22.764	ug/l	94
42) 1,2-Dichloroethane	8.40	62	72760	21.290	ug/l	100
43) Isopropyl Acetate	8.42	43	86784	21.047	ug/l	99
44) Trichloroethene	9.09	130	56438	21.512	ug/l	100
45) 1,2-Dichloropropane	9.37	63	61472	21.047	ug/l	99
46) Dibromomethane	9.46	93	28442	21.336	ug/l	100
47) Bromodichloromethane	9.64	83	73147	20.918	ug/l	98
48) Methyl methacrylate	9.43	41	41477	20.940	ug/l	99
49) 1,4-Dioxane	9.47	88	8047	416.897	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	226897	105.791	ug/l	100
52) Toluene	10.39	92	141777	21.507	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75038	20.542	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89961	20.713	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40125	21.214	ug/l	97
56) Ethyl methacrylate	10.65	69	57886	20.914	ug/l	100
57) 1,3-Dichloropropane	10.93	76	75638	21.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	152656	121.475	ug/l	100
59) 2-Hexanone	10.97	43	158481	104.653	ug/l	100
60) Dibromochloromethane	11.13	129	43863	20.892	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38451	21.482	ug/l	96
64) Tetrachloroethene	10.86	164	45419	21.531	ug/l	96
65) Chlorobenzene	11.66	112	139828	21.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48366	21.317	ug/l	99
67) Ethyl Benzene	11.73	91	272424	21.960	ug/l	100
68) m/p-Xylenes	11.84	106	195908	43.424	ug/l	99
69) o-Xylene	12.16	106	90035	21.476	ug/l	100
70) Styrene	12.18	104	155818	21.496	ug/l	100
71) Bromoform	12.35	173	24411	21.102	ug/l #	98
73) Isopropylbenzene	12.46	105	258558	21.904	ug/l	100
74) N-amyl acetate	12.27	43	79688	21.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47850	21.551	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	63028	37.647	ug/l #	100
77) Bromobenzene	12.74	156	55403	21.235	ug/l	100
78) n-propylbenzene	12.80	91	314132	21.867	ug/l	99
79) 2-Chlorotoluene	12.89	91	176787	21.361	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	216885	21.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15507	21.346	ug/l	98
82) 4-Chlorotoluene	12.99	91	185140	21.322	ug/l	99
83) tert-Butylbenzene	13.21	119	182589	22.067	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	214518	21.522	ug/l	99
85) sec-Butylbenzene	13.38	105	260386	22.055	ug/l	100
86) p-Isopropyltoluene	13.50	119	232894	21.741	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107963	21.104	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	105823	20.795	ug/l	98
89) n-Butylbenzene	13.82	91	233526	21.845	ug/l	99
90) Hexachloroethane	14.09	117	39699	20.958	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	95614	21.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7934	20.955	ug/l	99

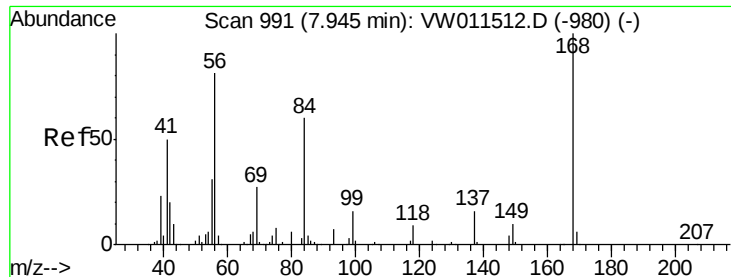
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65883	20.661	ug/l	99
94) Hexachlorobutadiene	15.24	225	43255	21.751	ug/l	98
95) Naphthalene	15.37	128	114245	19.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57073	20.418	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: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

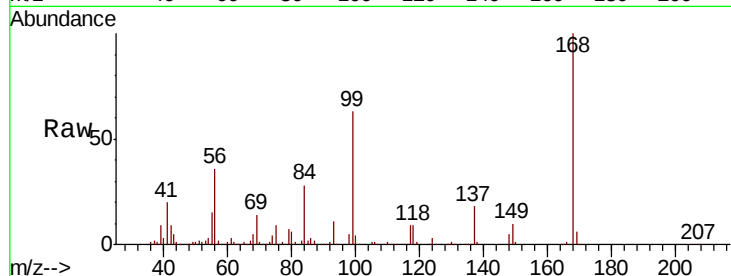
VW0817SBS01

Tgt Ion:168 Resp: 238938

Ion Ratio Lower Upper

168 100

99 62.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

20000

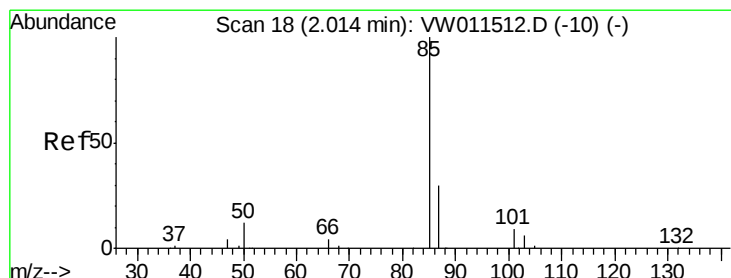
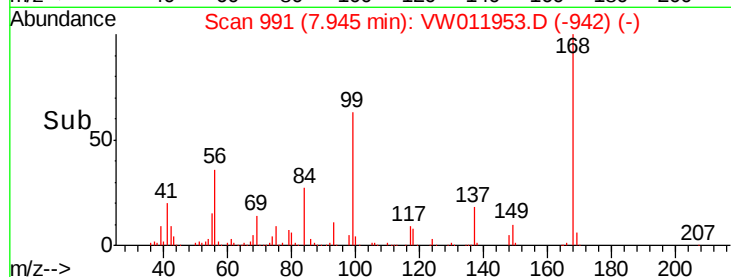
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.818 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW011953.D

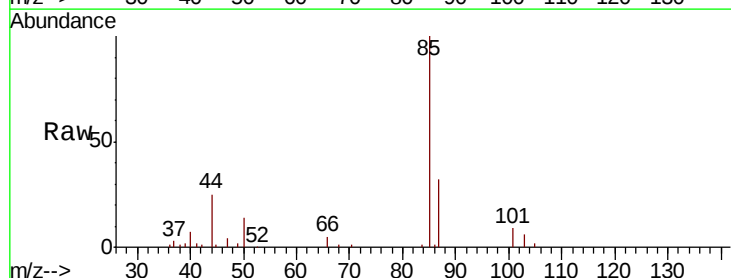
Acq: 16 Aug 2019 10:08

Tgt Ion: 85 Resp: 30386

Ion Ratio Lower Upper

85 100

87 32.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

4000

2000

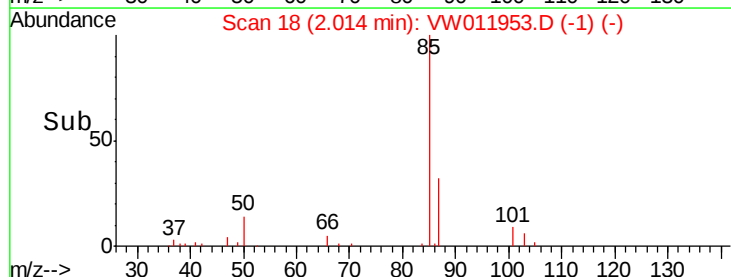
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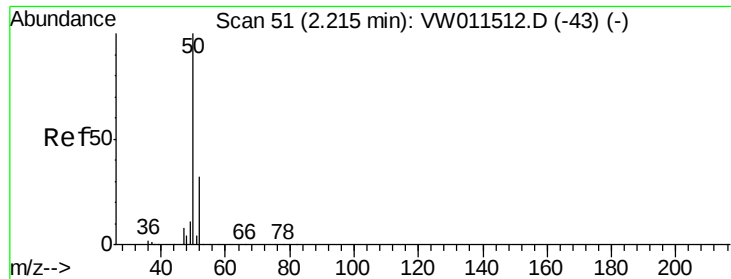
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 20.989 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

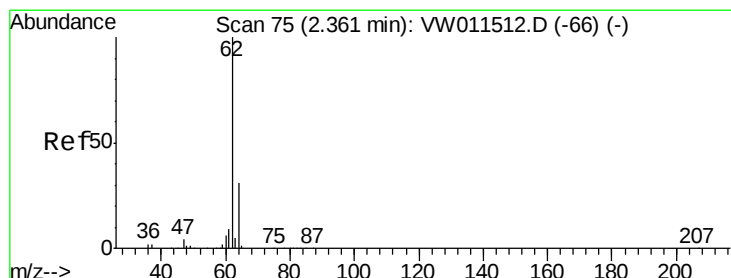
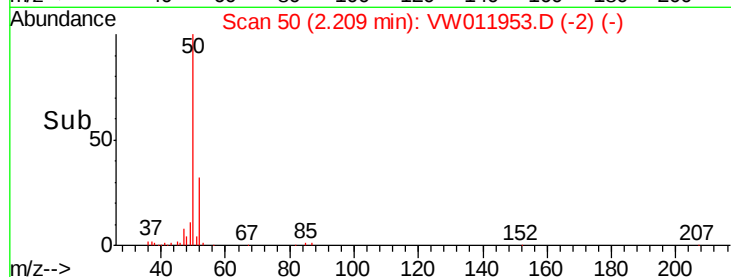
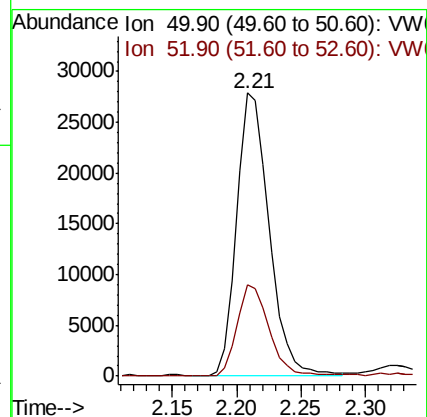
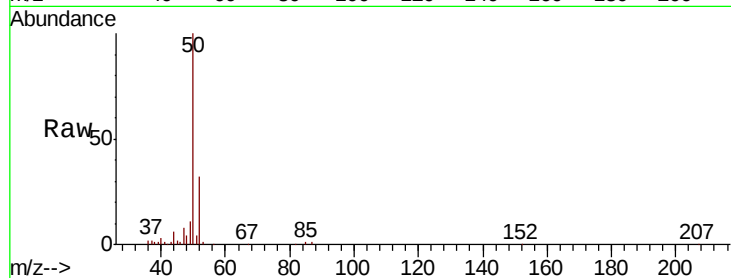
VW0817SBS01

Tgt Ion: 50 Resp: 48466

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2



#4

Vinyl Chloride

Concen: 21.982 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011953.D

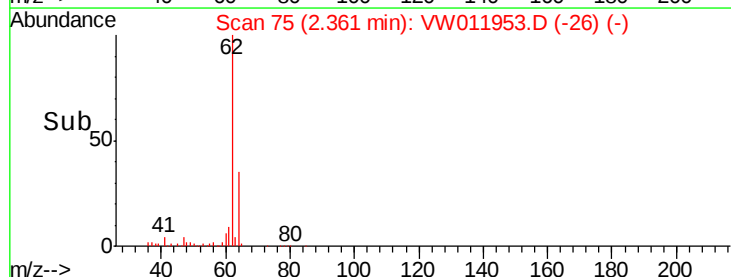
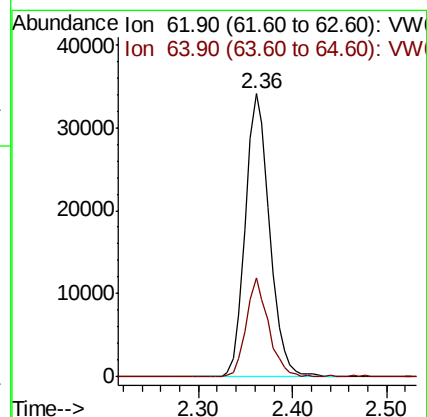
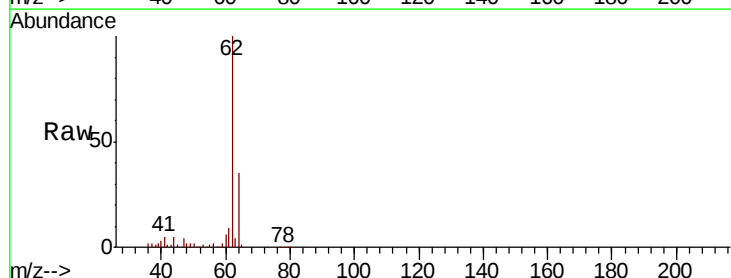
Acq: 16 Aug 2019 10:08

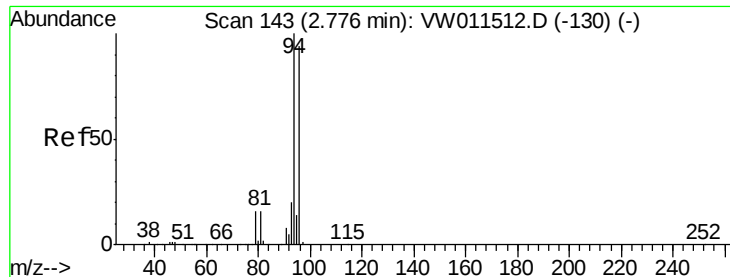
Tgt Ion: 62 Resp: 61110

Ion Ratio Lower Upper

62 100

64 34.8 25.0 37.4





#5

Bromomethane

Concen: 17.829 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

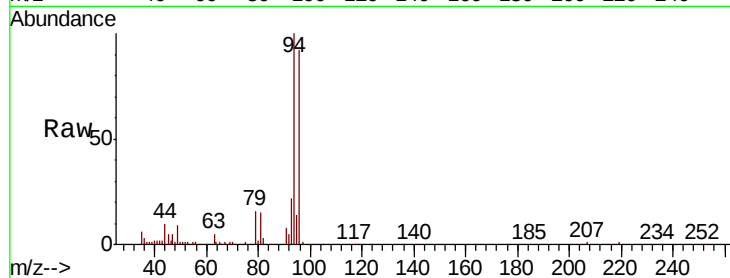
VW0817SBS01

Tgt Ion: 94 Resp: 27435

Ion Ratio Lower Upper

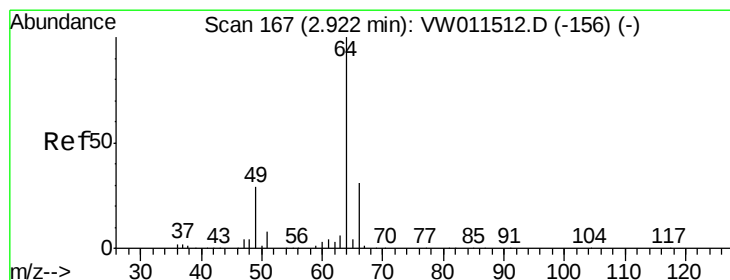
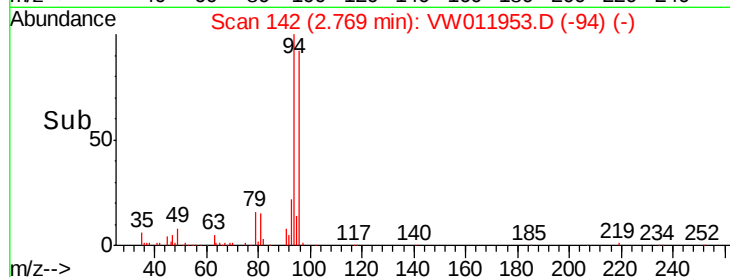
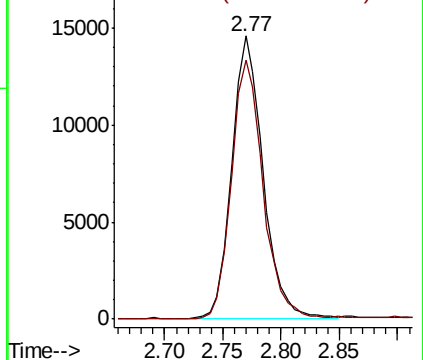
94 100

96 91.6 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.356 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011953.D

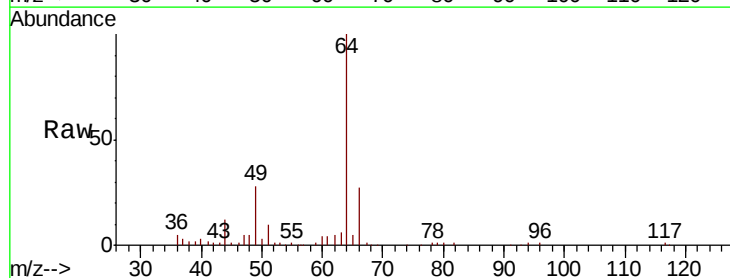
Acq: 16 Aug 2019 10:08

Tgt Ion: 64 Resp: 32324

Ion Ratio Lower Upper

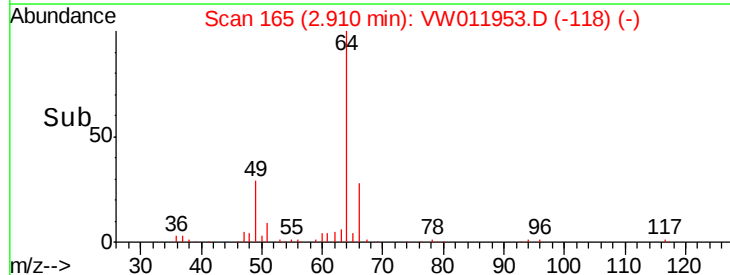
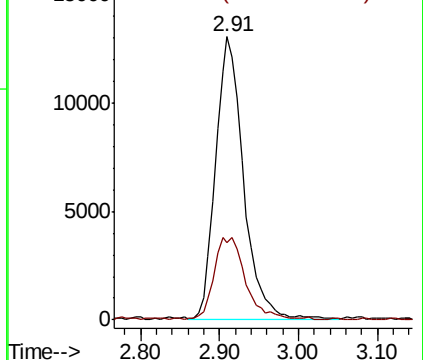
64 100

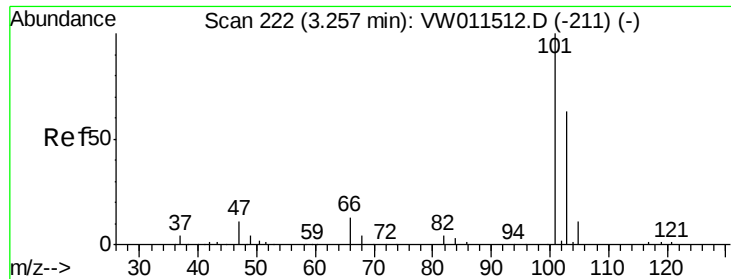
66 27.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



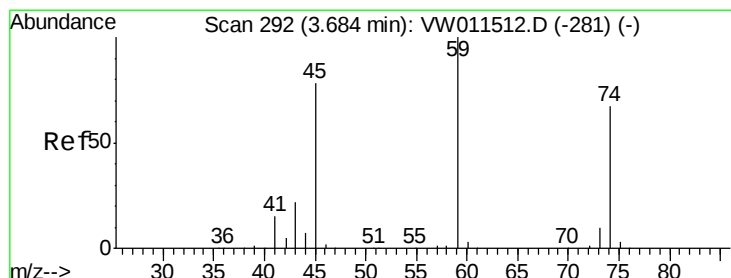
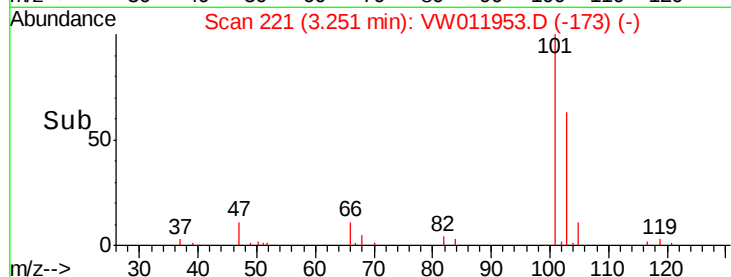
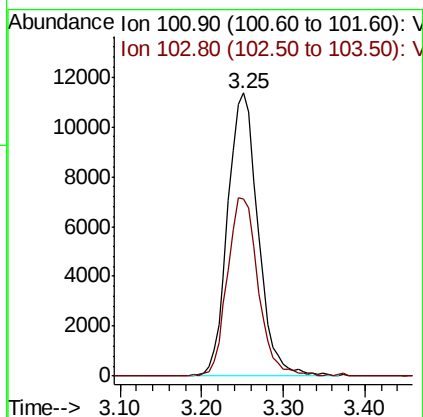
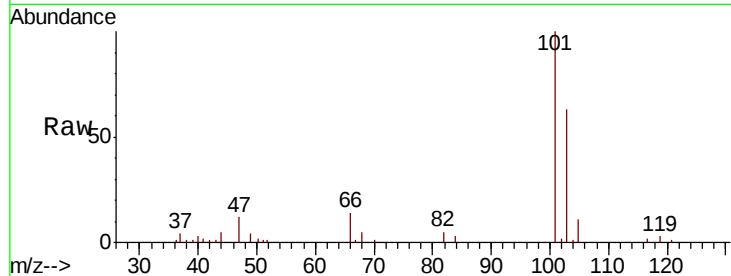


#7

Trichlorofluoromethane
 Concen: 23.475 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

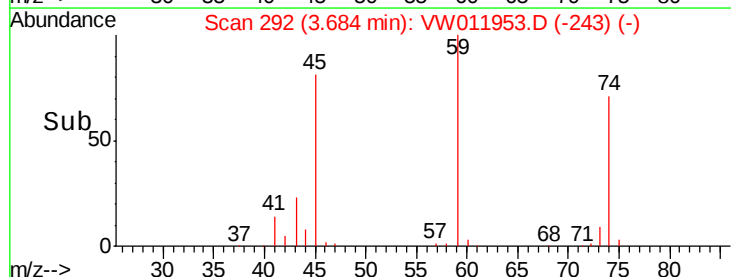
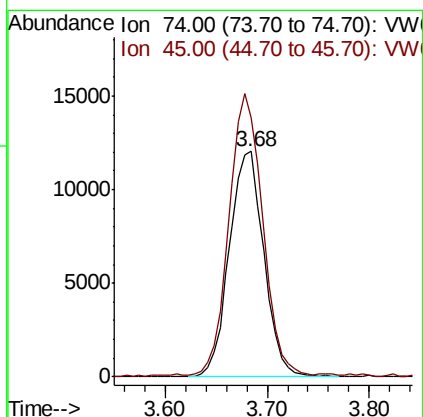
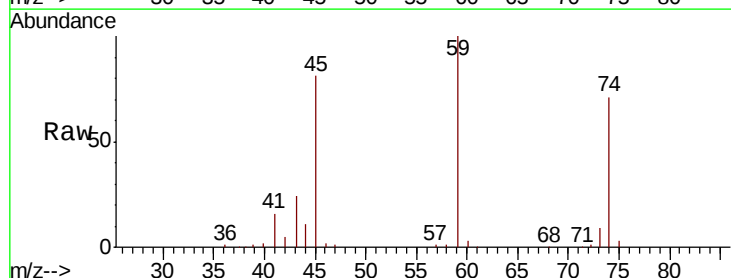
Tgt Ion: 101 Resp: 29166
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.2 75.4

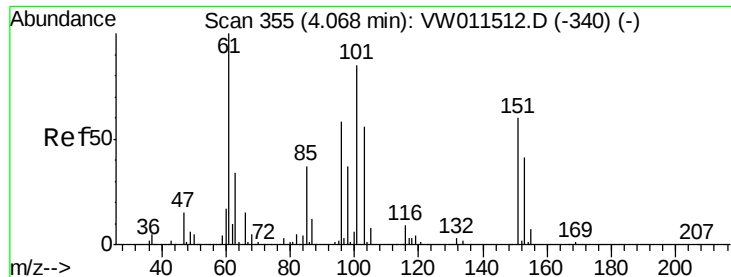


#8

Diethyl Ether
 Concen: 20.001 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 74 Resp: 28175
 Ion Ratio Lower Upper
 74 100
 45 122.8 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.090 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

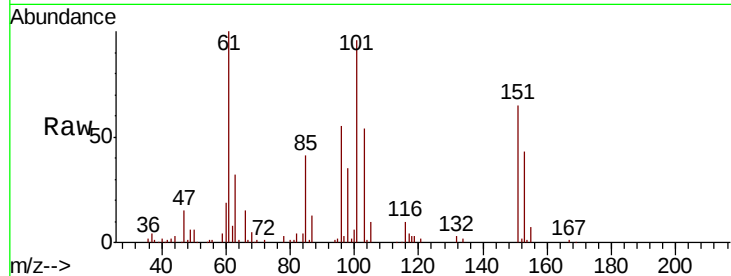
Tgt Ion:101 Resp: 52062

Ion Ratio Lower Upper

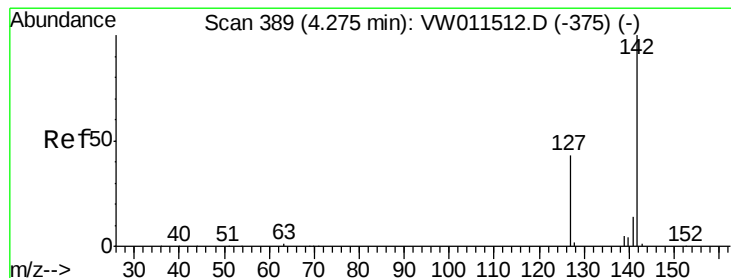
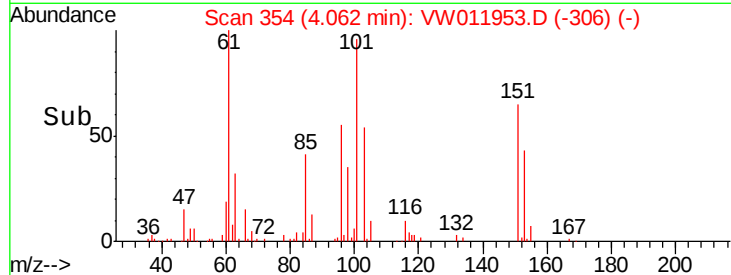
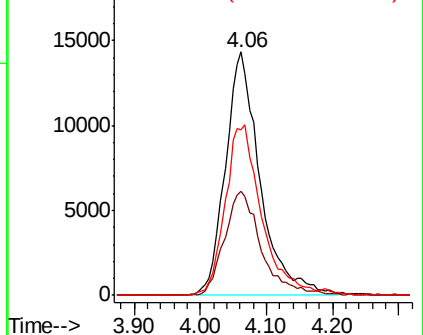
101 100

85 45.5 36.6 54.8

151 73.0 60.2 90.2



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: 20.434 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

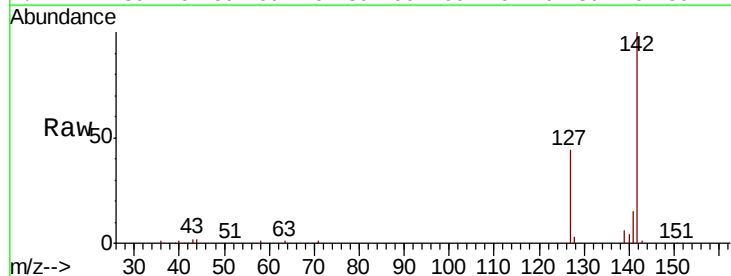
Tgt Ion:142 Resp: 68059

Ion Ratio Lower Upper

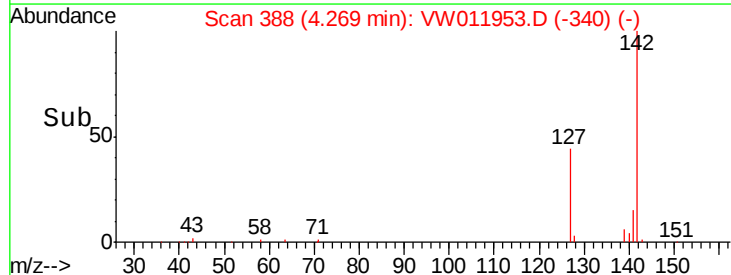
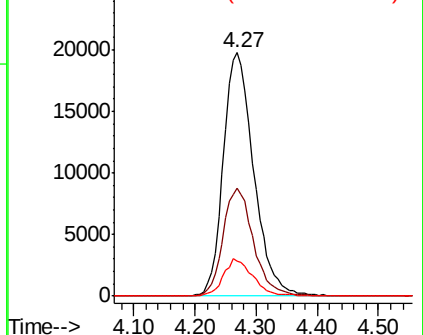
142 100

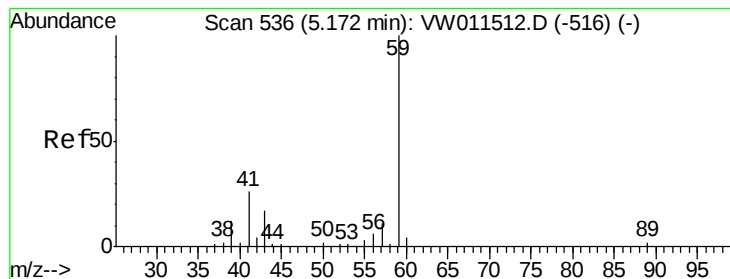
127 44.1 35.0 52.6

141 14.7 11.9 17.9



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: 74.268 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

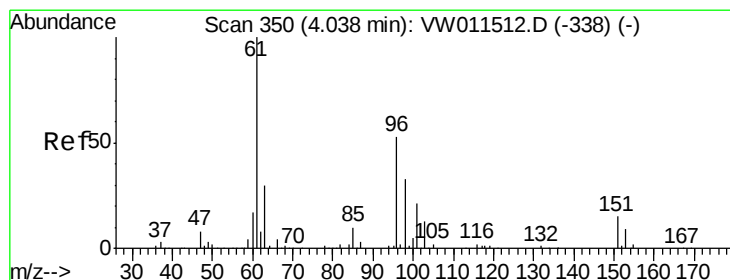
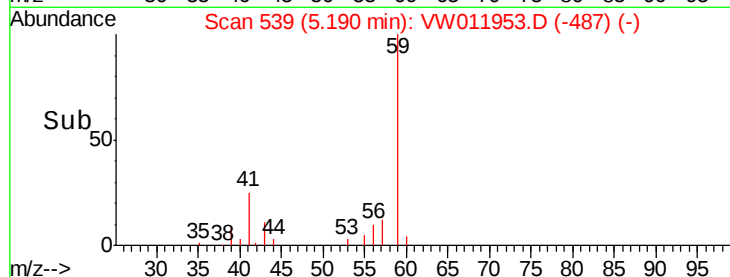
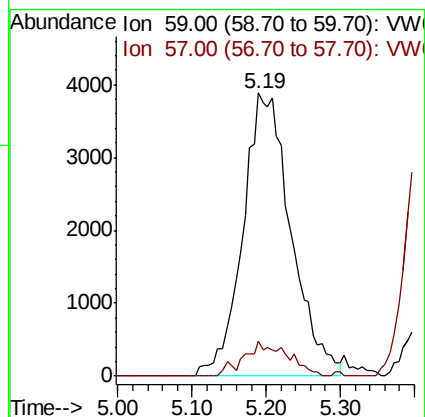
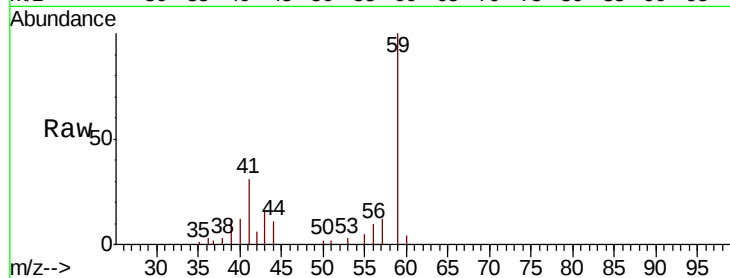
VW0817SBS01

Tgt Ion: 59 Resp: 17576

Ion Ratio Lower Upper

59 100

57 11.0 8.5 12.7



#12

1,1-Dichloroethene

Concen: 20.802 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

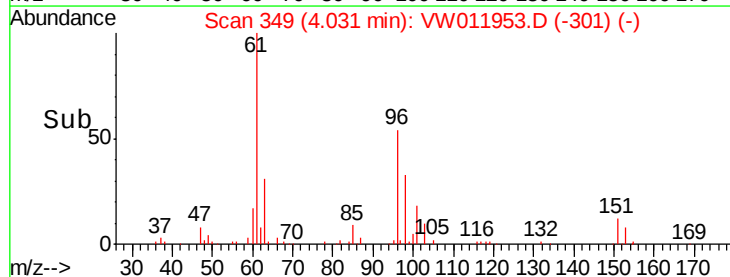
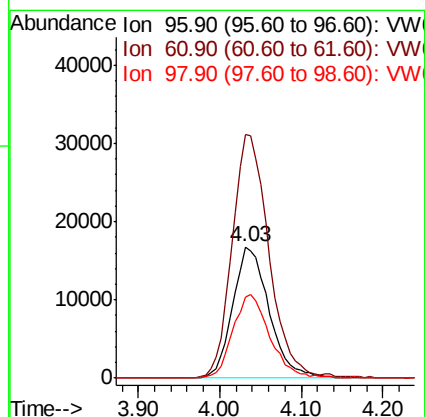
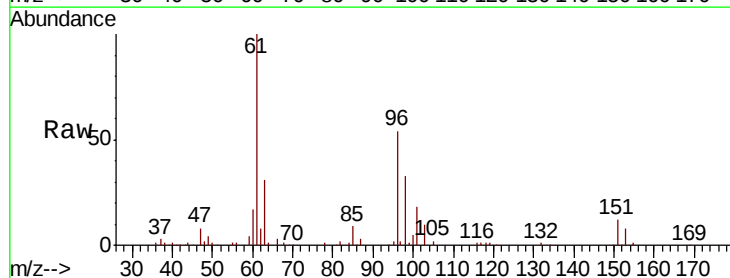
Tgt Ion: 96 Resp: 51765

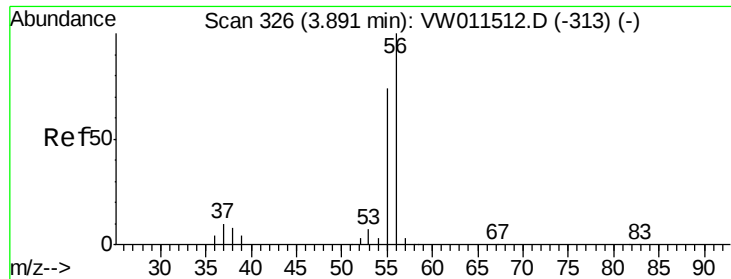
Ion Ratio Lower Upper

96 100

61 185.5 149.9 224.9

98 62.0 49.1 73.7

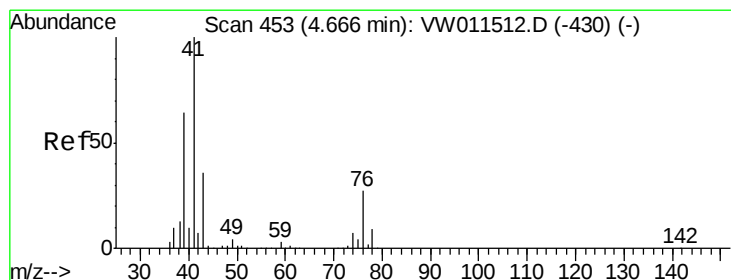
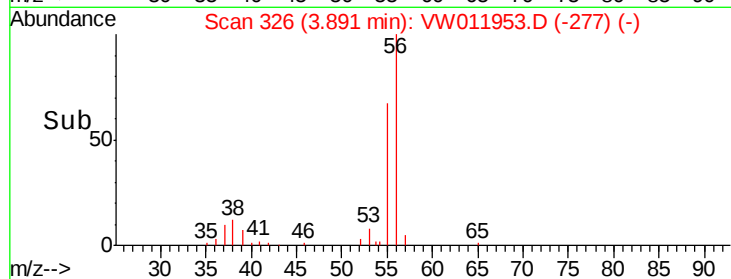
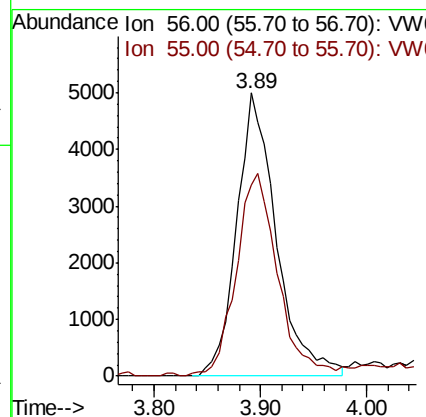
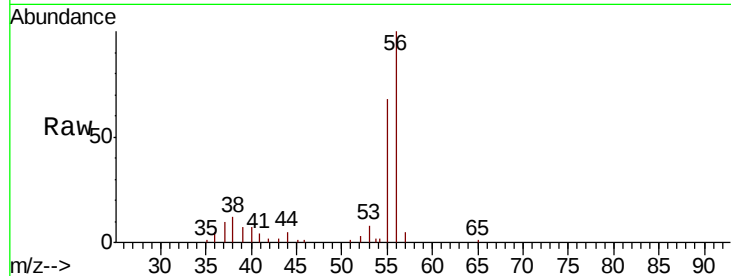




#13
 Acrolein
 Concen: 66.151 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

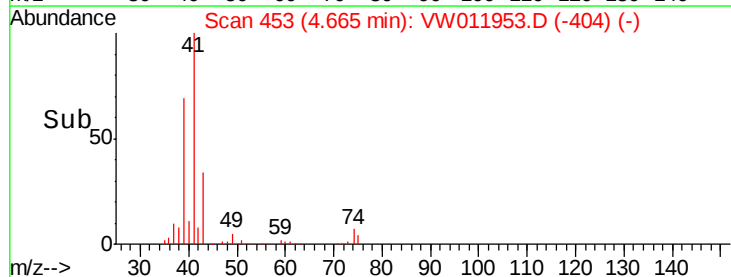
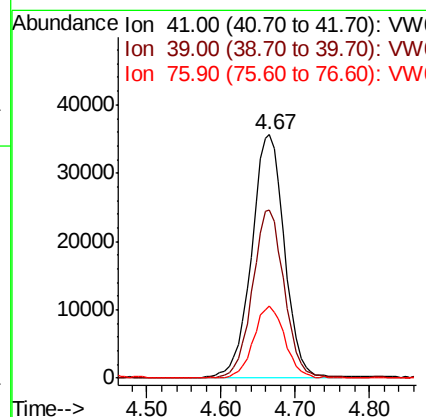
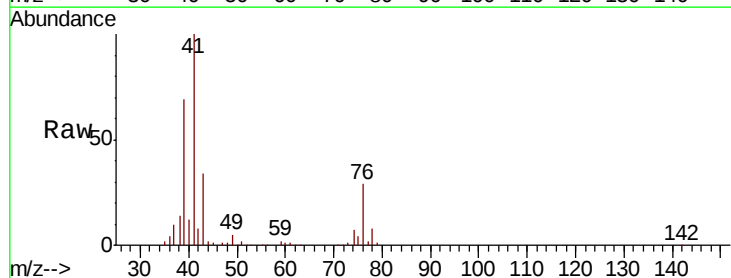
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

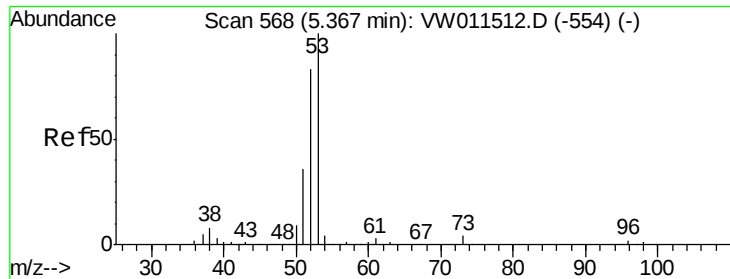
Tgt Ion: 56 Resp: 13023
 Ion Ratio Lower Upper
 56 100
 55 74.8 56.0 84.0



#14
 Allyl chloride
 Concen: 20.853 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 41 Resp: 110370
 Ion Ratio Lower Upper
 41 100
 39 66.1 52.6 78.8
 76 28.2 22.0 33.0





#15

Acrylonitrile

Concen: 103.172 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

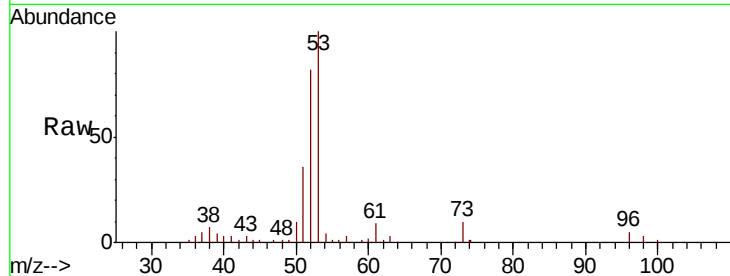
Tgt Ion: 53 Resp: 72549

Ion Ratio Lower Upper

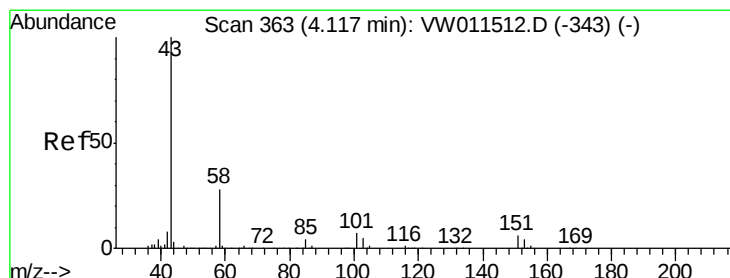
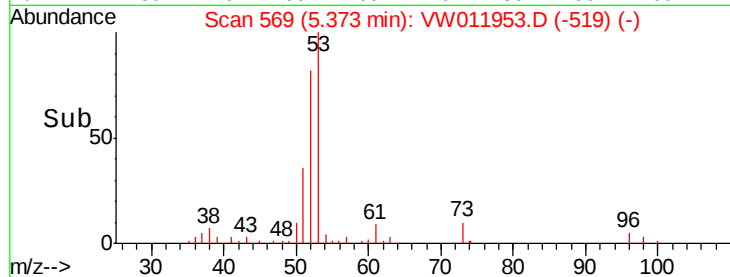
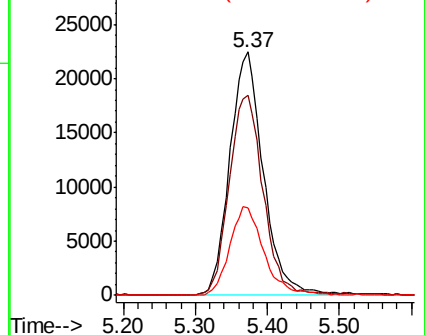
53 100

52 83.3 67.2 100.8

51 37.2 30.0 45.0



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



#16

Acetone

Concen: 86.128 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011953.D

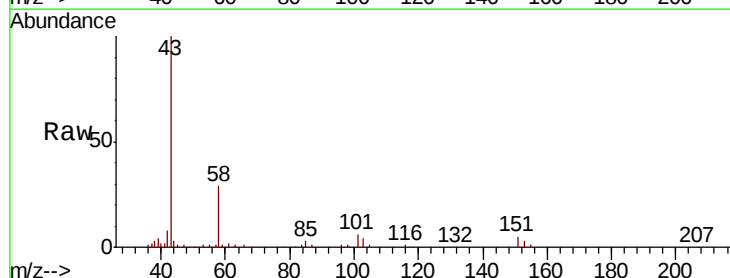
Acq: 16 Aug 2019 10:08

Tgt Ion: 43 Resp: 75169

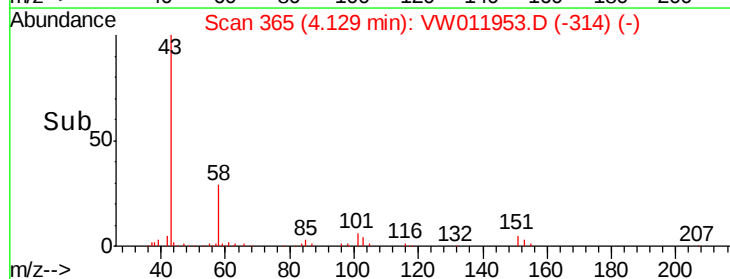
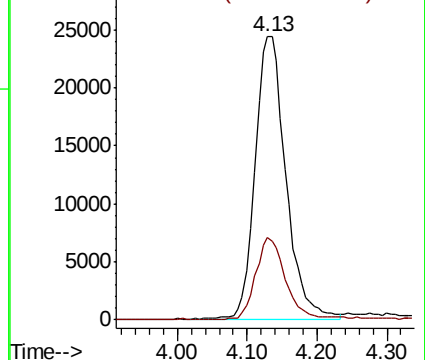
Ion Ratio Lower Upper

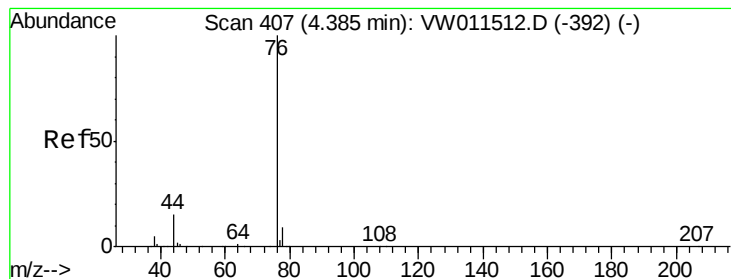
43 100

58 29.1 22.3 33.5



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





#17

Carbon Disulfide

Concen: 19.429 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampled :

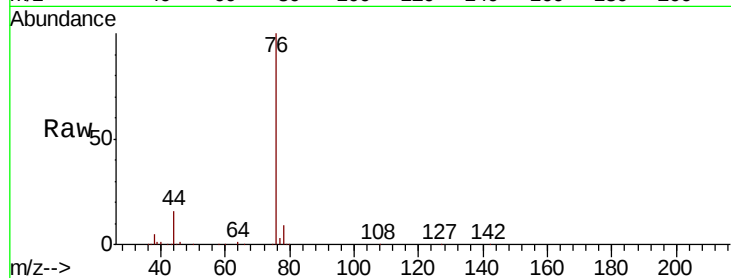
VW0817SBS01

Tgt Ion: 76 Resp: 151321

Ion Ratio Lower Upper

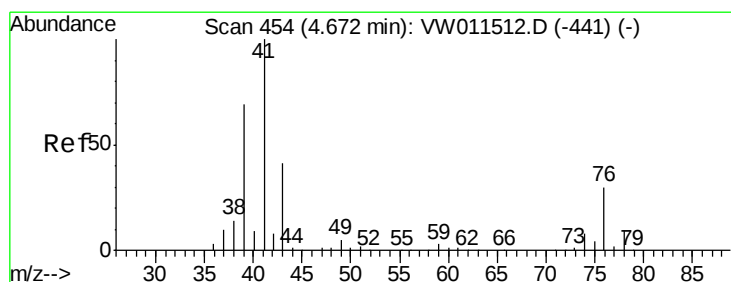
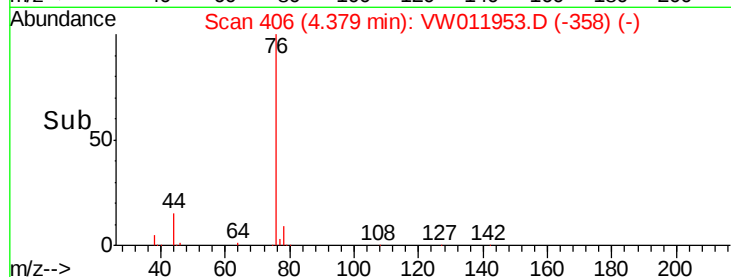
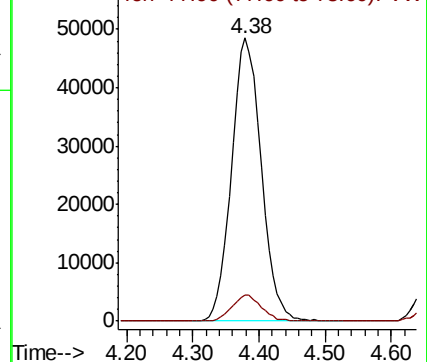
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.461 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW011953.D

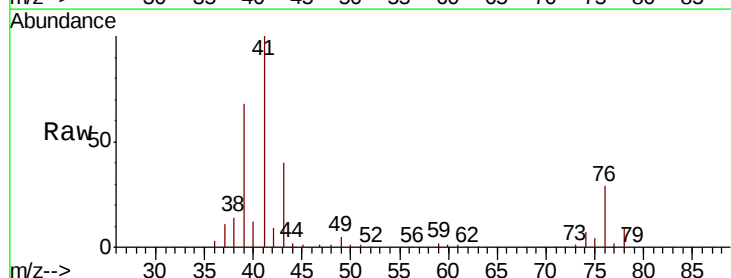
Acq: 16 Aug 2019 10:08

Tgt Ion: 43 Resp: 40117

Ion Ratio Lower Upper

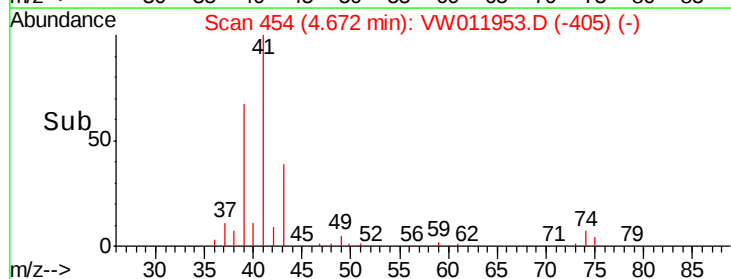
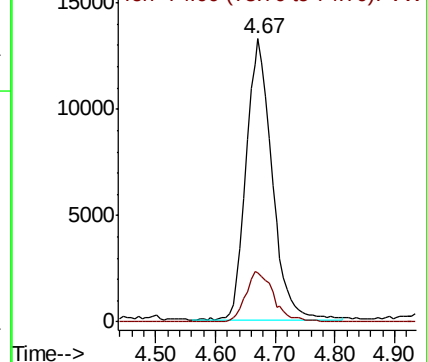
43 100

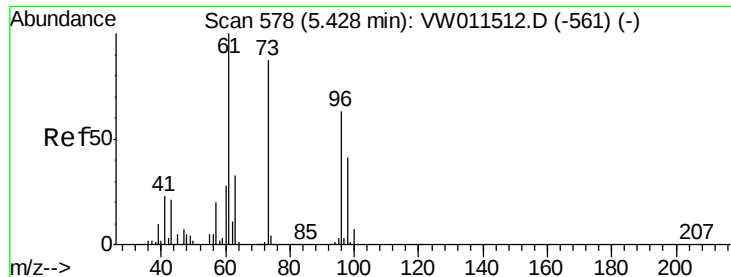
74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

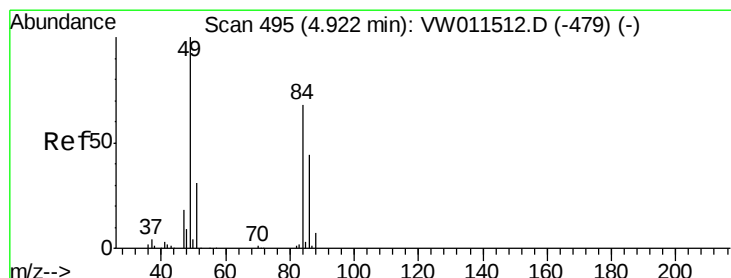
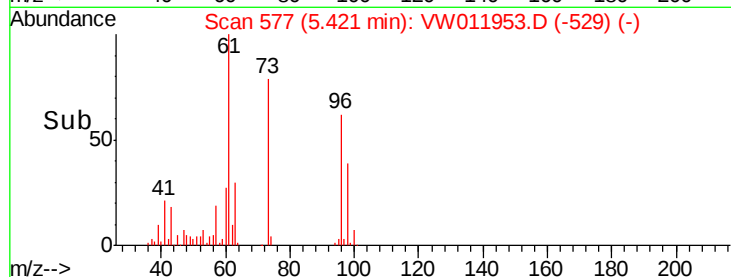
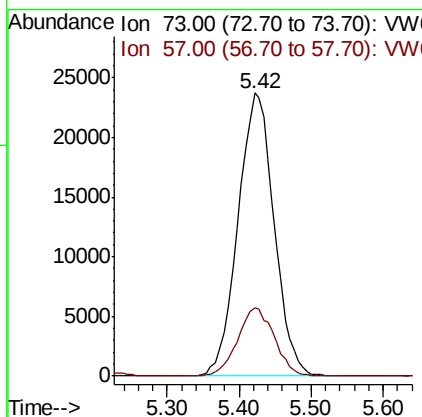
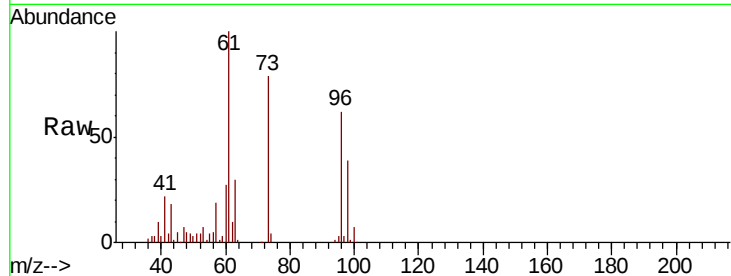




#19
Methyl tert-butyl Ether
Concen: 20.855 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

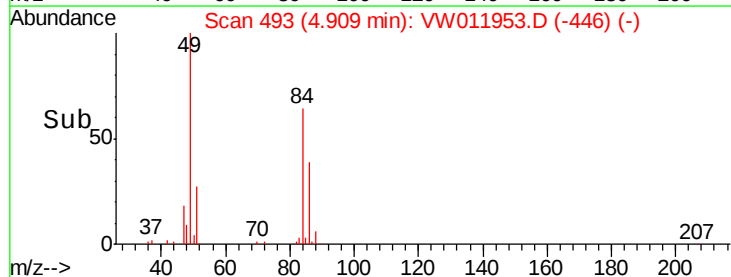
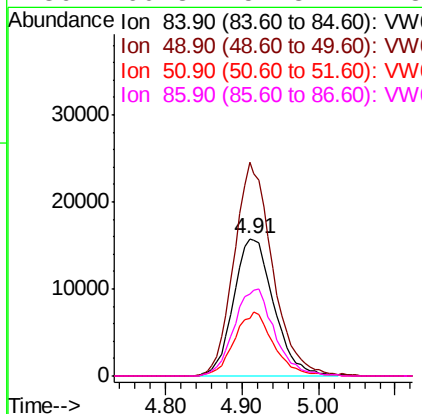
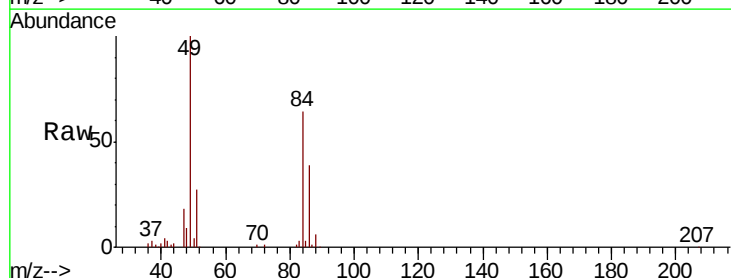
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

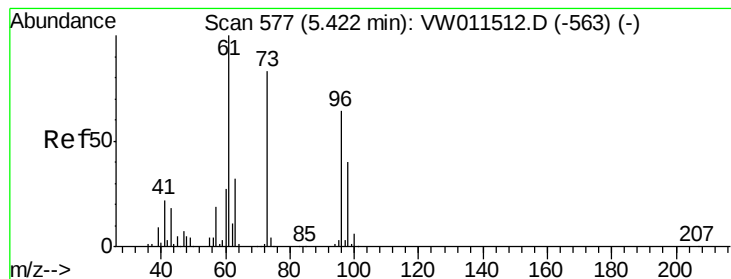
Tgt Ion: 73 Resp: 82352
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6



#20
Methylene Chloride
Concen: 19.110 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 84 Resp: 57519
Ion Ratio Lower Upper
84 100
49 155.9 117.8 176.6
51 42.5 37.0 55.4
86 60.3 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.746 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

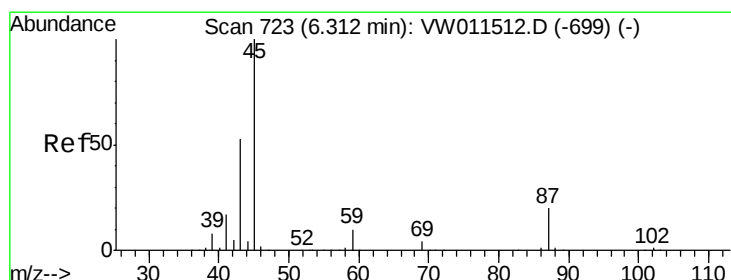
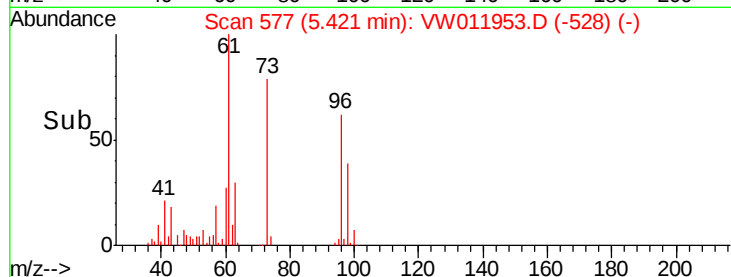
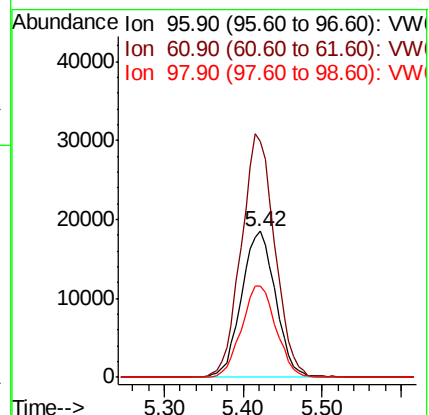
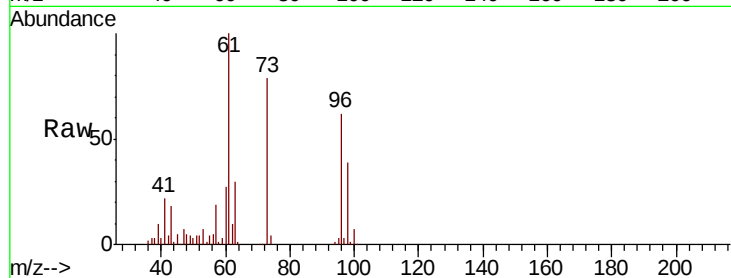
Tgt Ion: 96 Resp: 55659

Ion Ratio Lower Upper

96 100

61 161.7 125.7 188.5

98 62.7 50.3 75.5



#22

Diisopropyl ether

Concen: 20.601 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion: 45 Resp: 205572

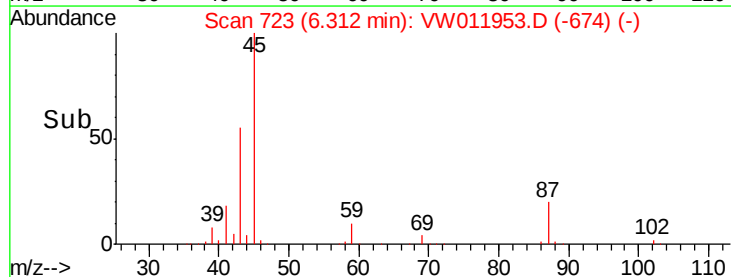
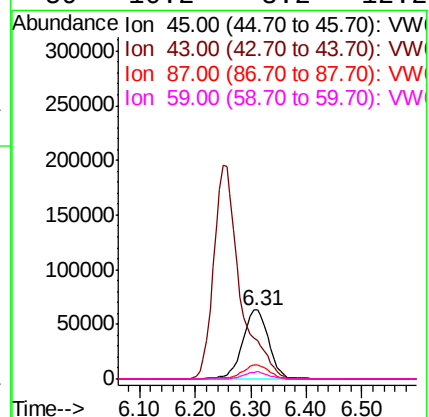
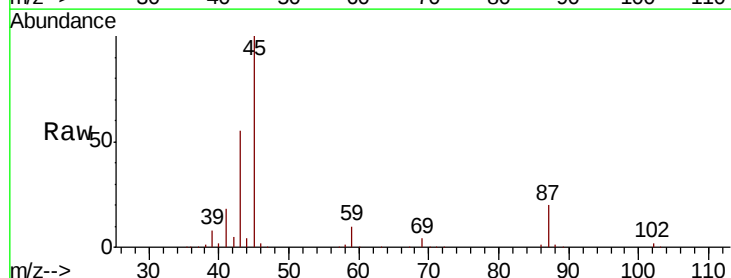
Ion Ratio Lower Upper

45 100

43 54.6 42.6 63.8

87 19.9 16.4 24.6

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 102.489 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

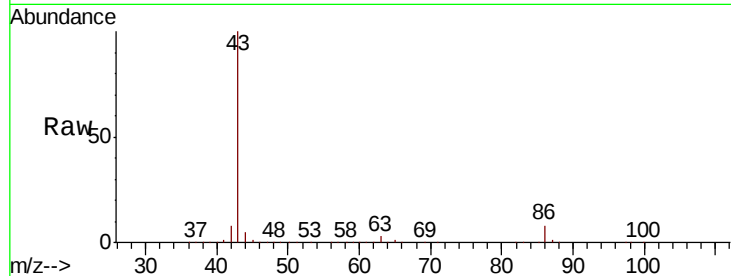
VW0817SBS01

Tgt Ion: 43 Resp: 642619

Ion Ratio Lower Upper

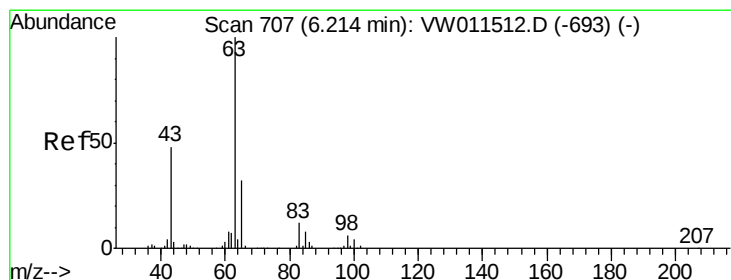
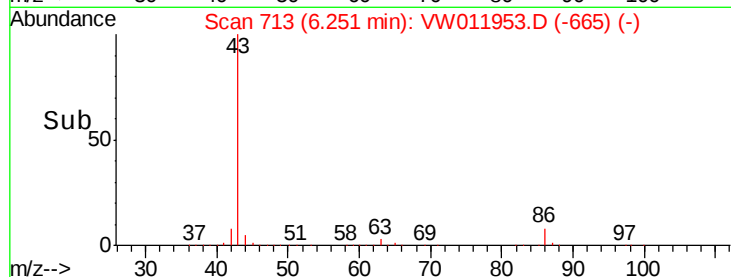
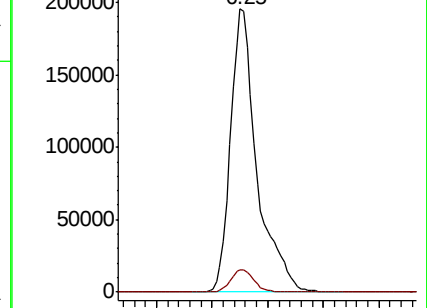
43 100

86 7.7 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: 20.672 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

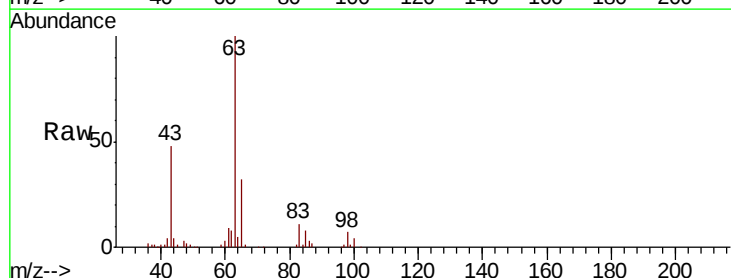
Tgt Ion: 63 Resp: 110473

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

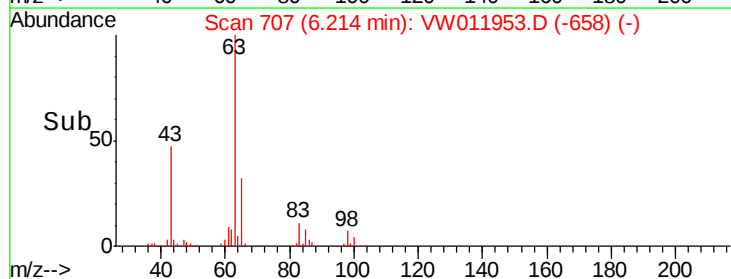
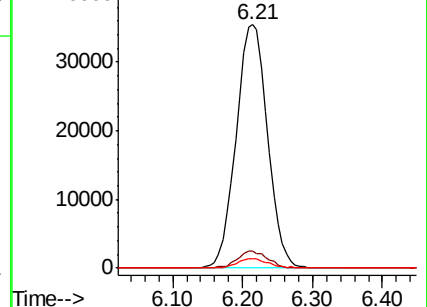
100 3.8 2.1 6.3

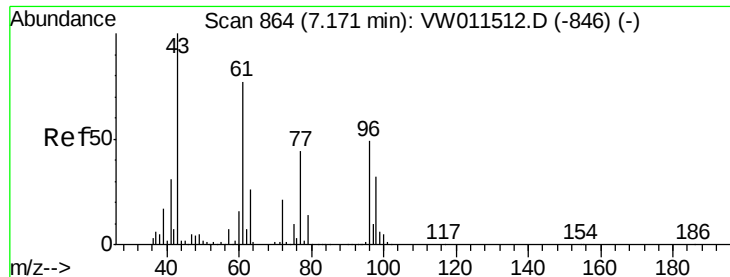


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 93.406 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampled :

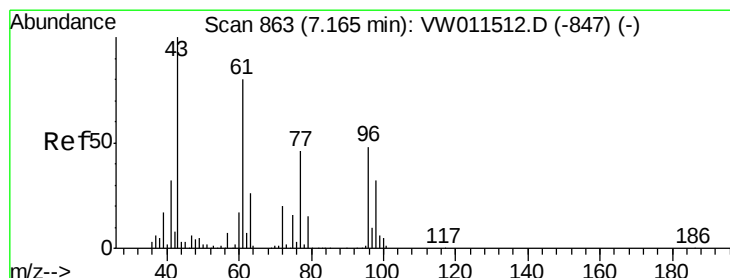
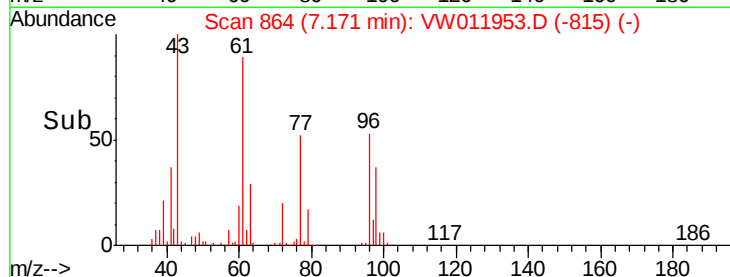
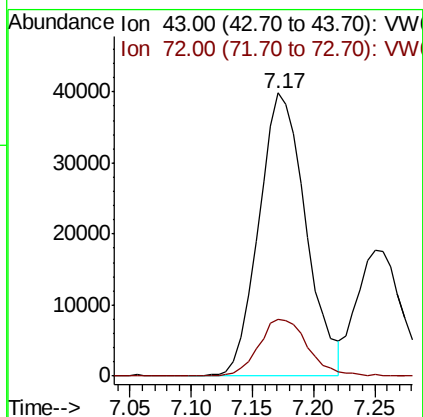
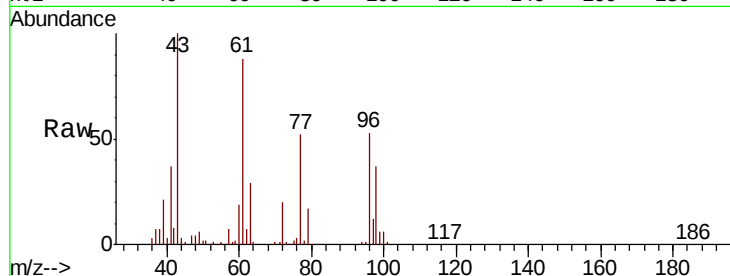
VW0817SBS01

Tgt Ion: 43 Resp: 106672

Ion Ratio Lower Upper

43 100

72 20.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.018 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011953.D

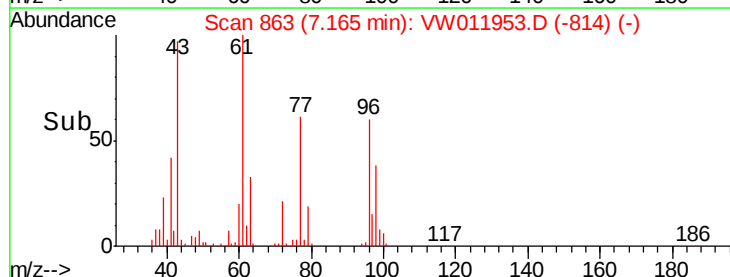
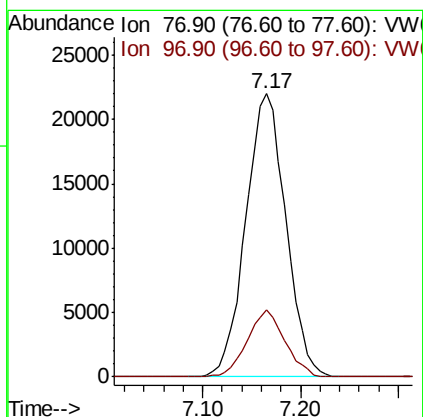
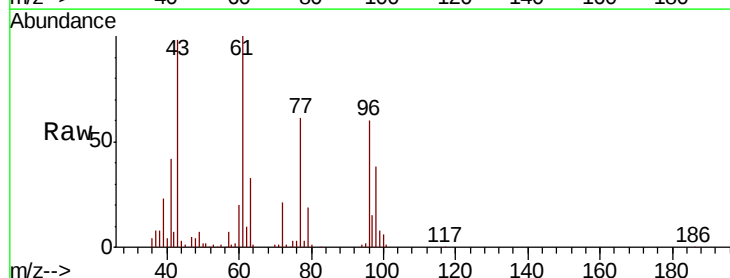
Acq: 16 Aug 2019 10:08

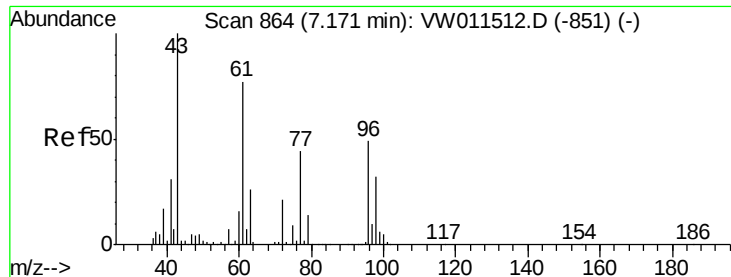
Tgt Ion: 77 Resp: 62506

Ion Ratio Lower Upper

77 100

97 22.3 10.8 32.4



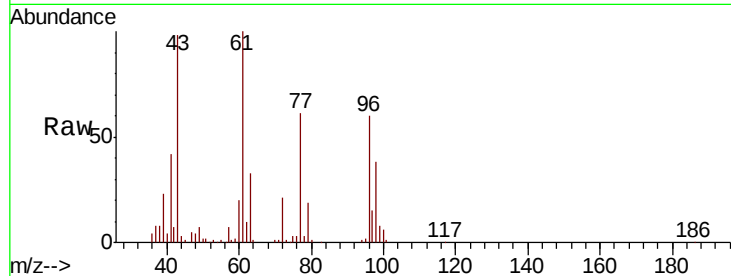


#27

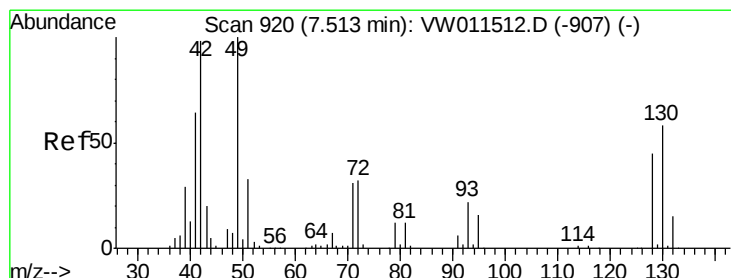
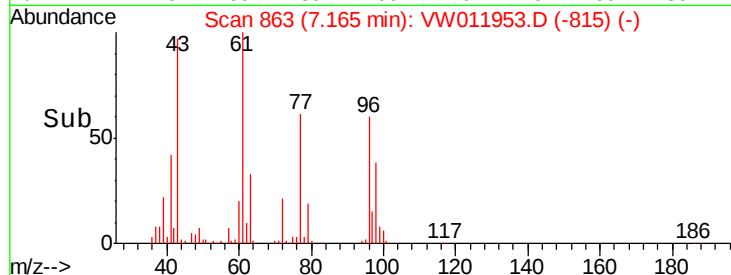
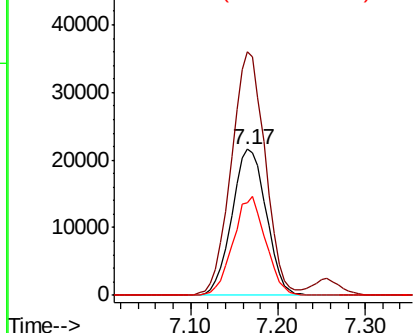
cis-1,2-Dichloroethene
Concen: 20.018 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	328.4
98	64.0	0.0	128.8



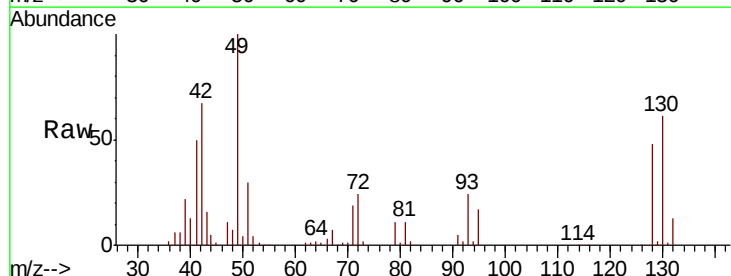
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



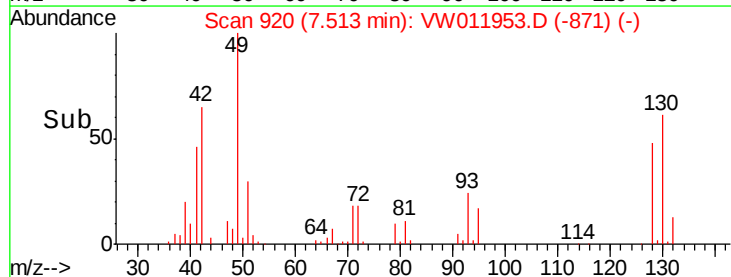
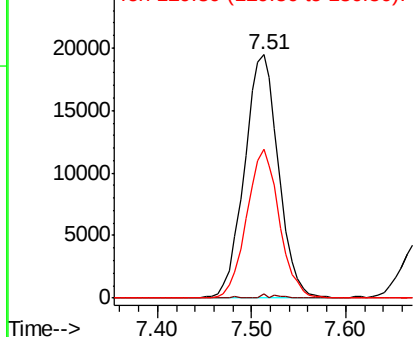
#28

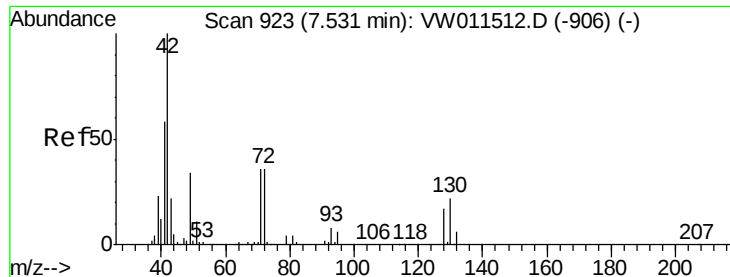
Bromochloromethane
Concen: 20.764 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.0
130	58.3	46.3	69.5



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





#29

Tetrahydrofuran

Concen: 103.195 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

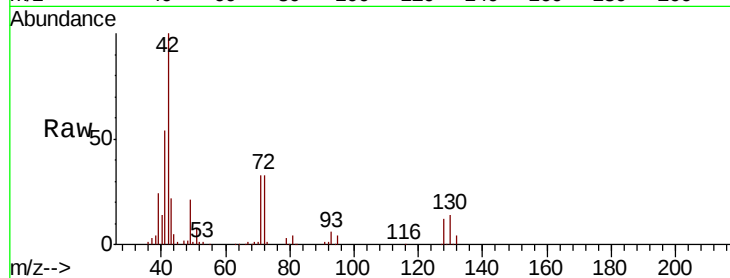
Tgt Ion: 42 Resp: 67365

Ion Ratio Lower Upper

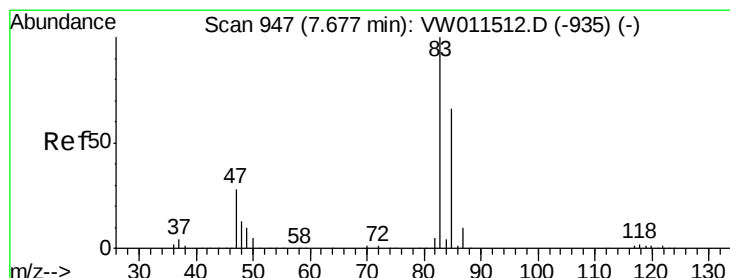
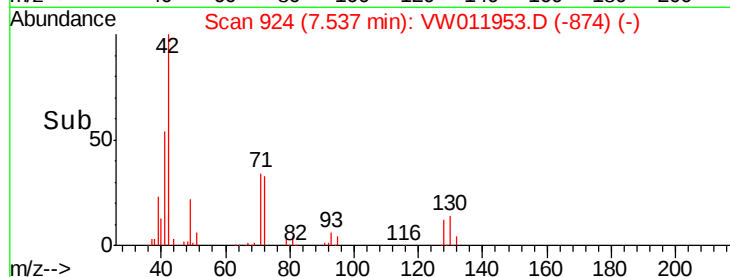
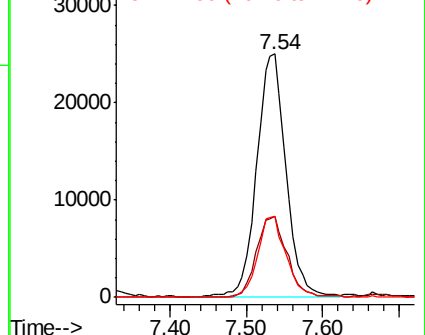
42 100

72 34.3 27.1 40.7

71 32.2 26.2 39.4



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



#30

Chloroform

Concen: 20.492 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011953.D

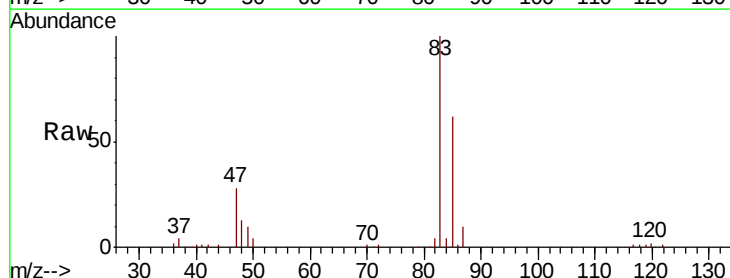
Acq: 16 Aug 2019 10:08

Tgt Ion: 83 Resp: 101034

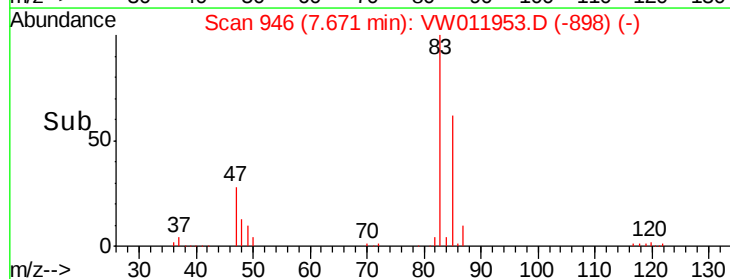
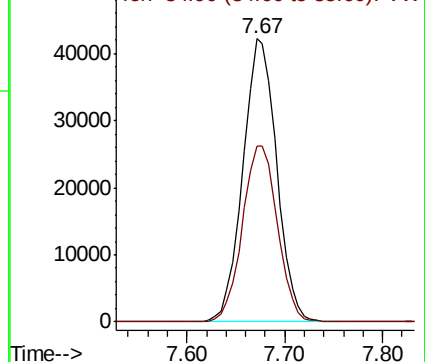
Ion Ratio Lower Upper

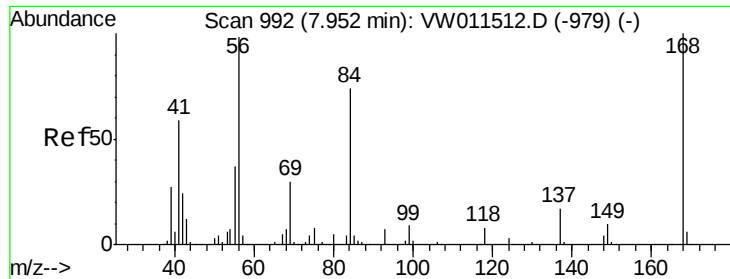
83 100

85 62.0 52.5 78.7



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

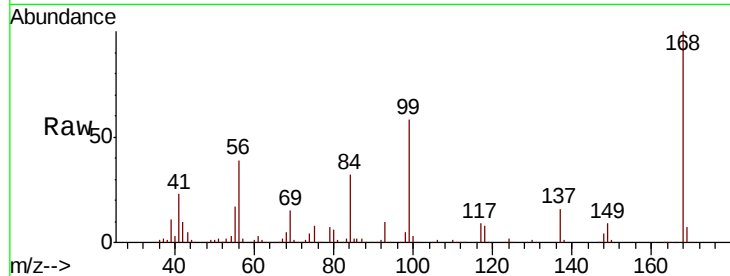




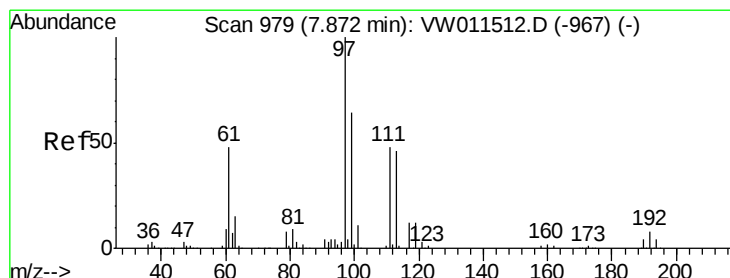
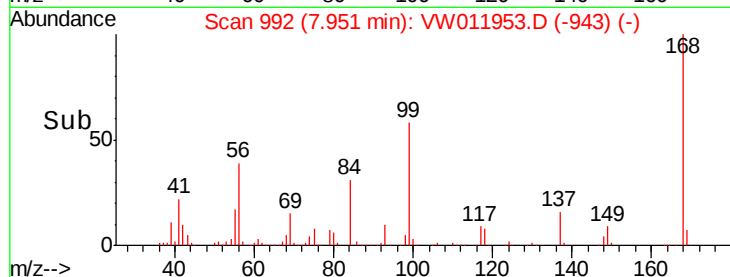
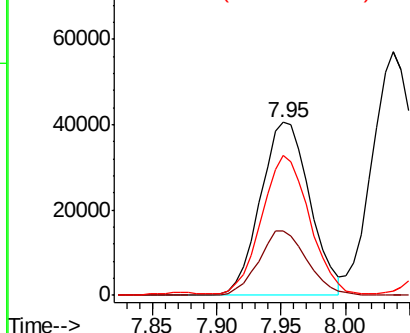
#31
Cyclohexane
Concen: 21.076 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tgt Ion: 56 Resp: 108118
Ion Ratio Lower Upper
56 100
69 37.0 24.3 36.5#
84 79.4 60.4 90.6

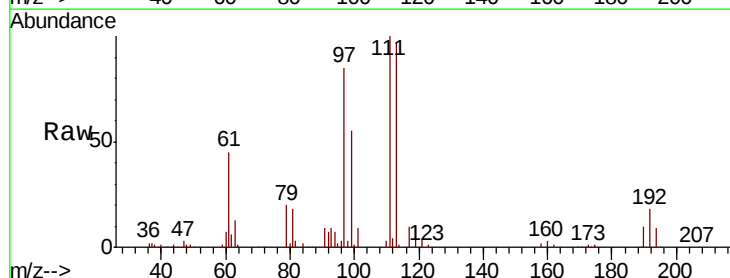


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

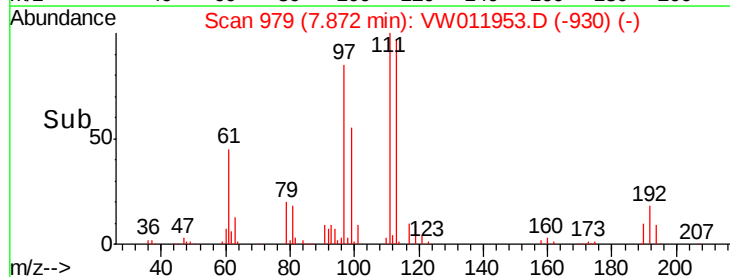
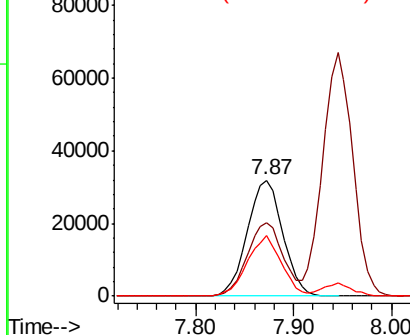


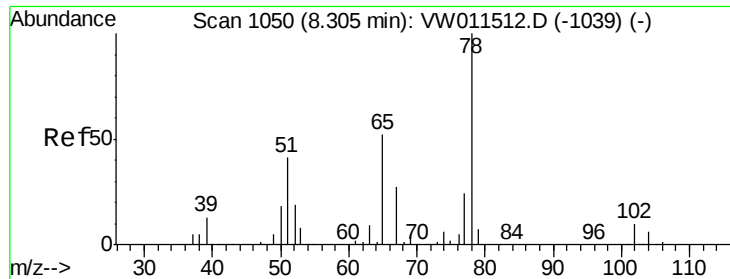
#32
1,1,1-Trichloroethane
Concen: 21.393 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 97 Resp: 80329
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.6
61 50.0 39.8 59.6



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

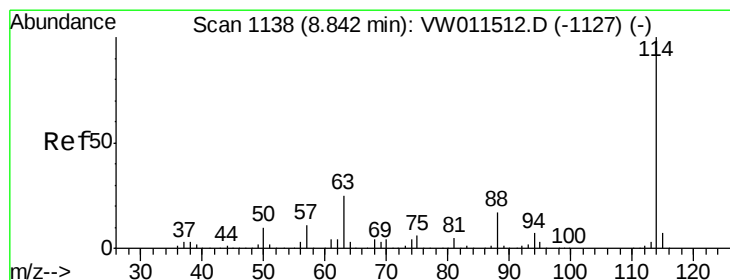
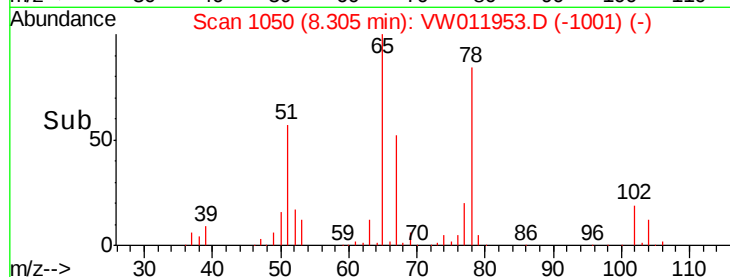
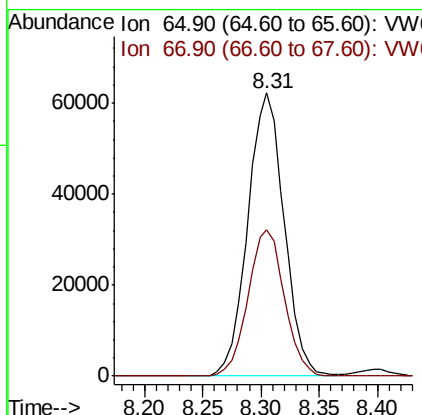
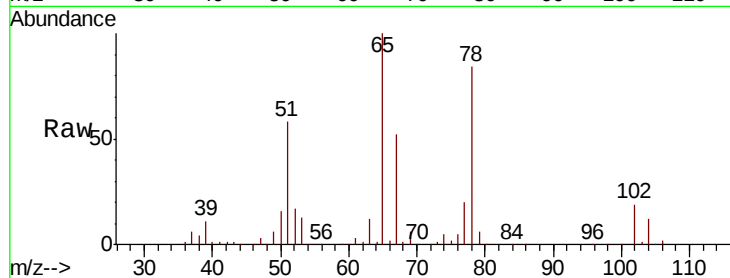




#33
 1,2-Dichloroethane-d4
 Concen: 49.383 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

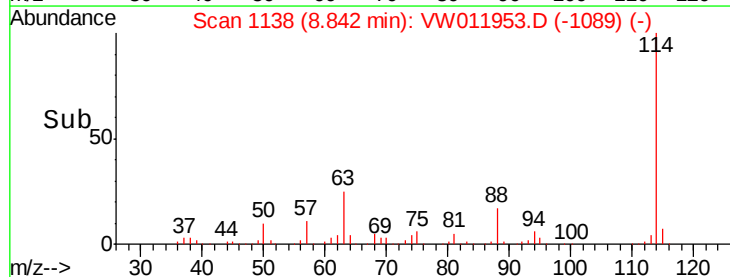
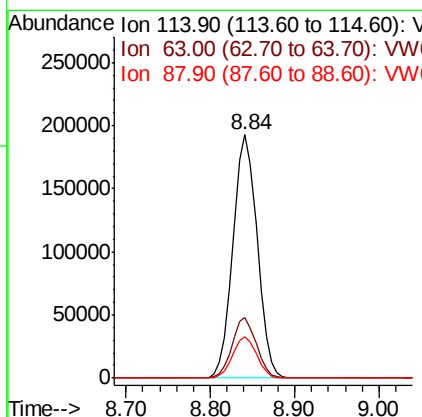
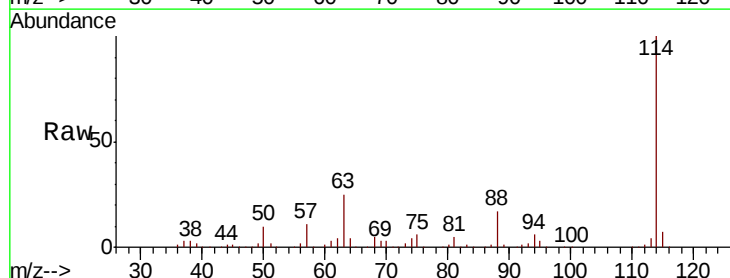
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

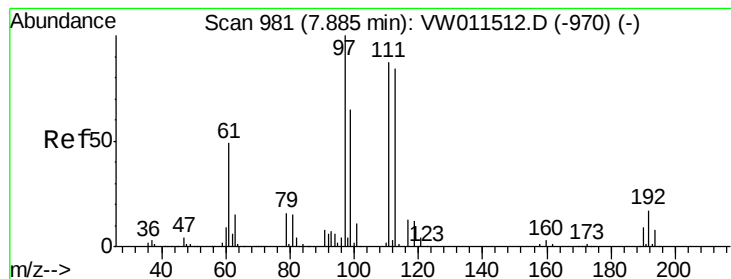
Tgt Ion: 65 Resp: 135490
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 114 Resp: 374784
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.497 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

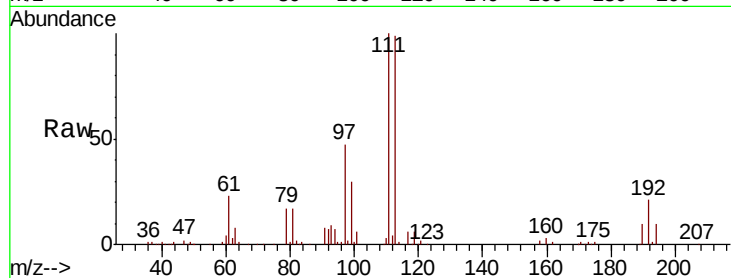
Tgt Ion: 113 Resp: 110380

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

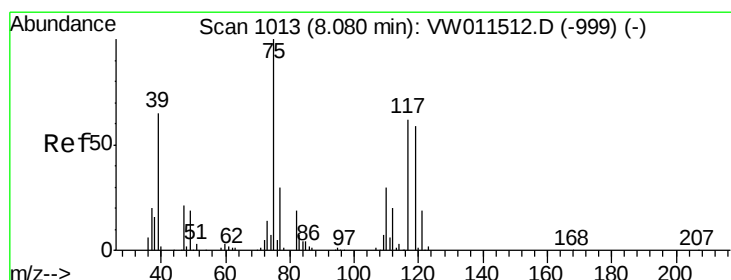
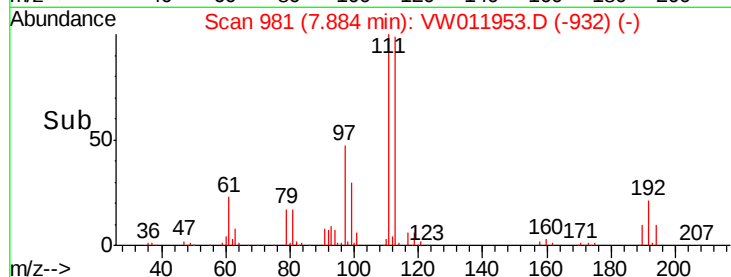
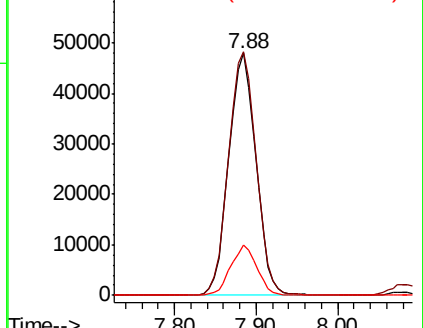
192 19.9 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.100 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

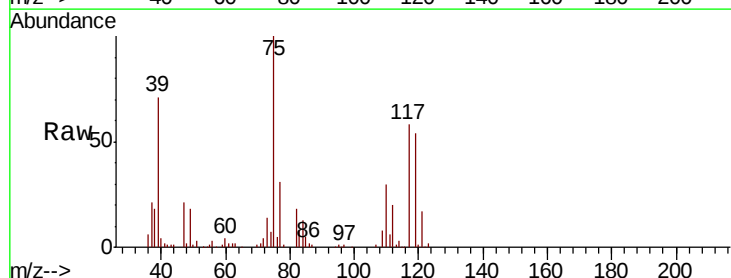
Tgt Ion: 75 Resp: 86126

Ion Ratio Lower Upper

75 100

110 31.6 15.6 46.8

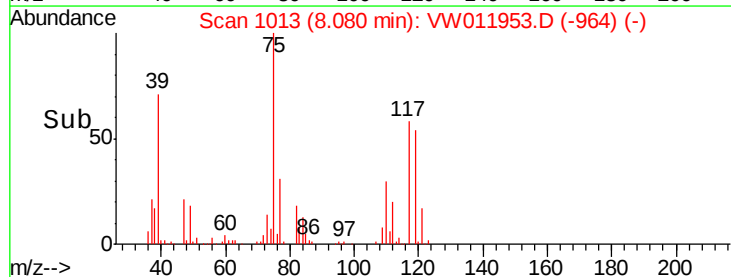
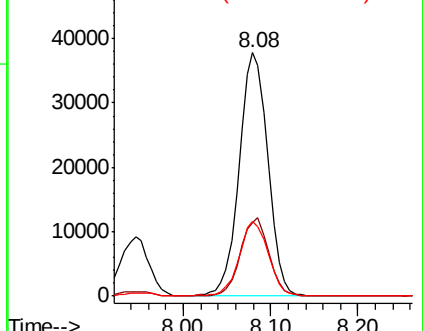
77 31.3 24.3 36.5

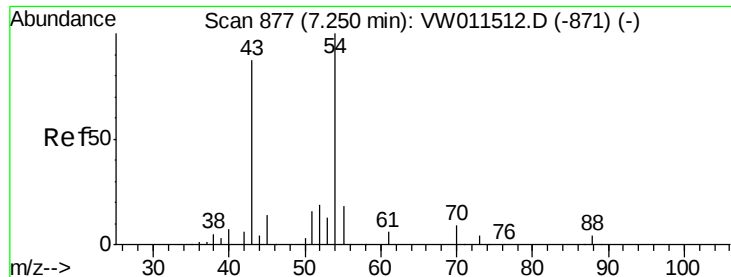


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

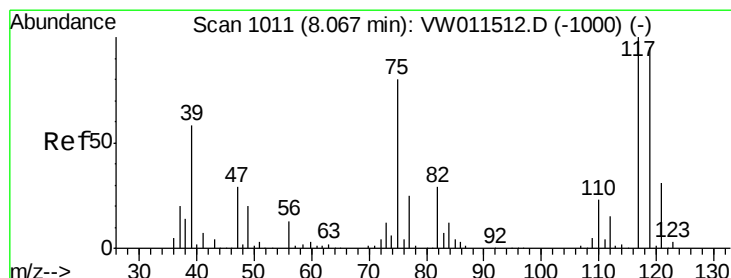
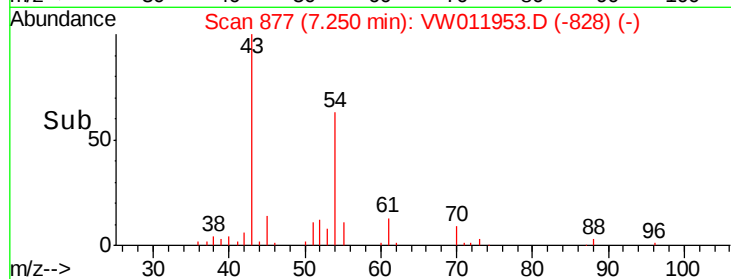
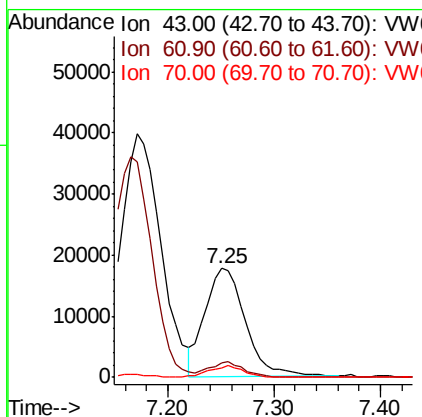
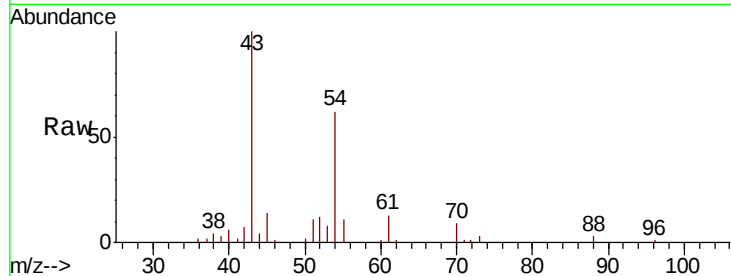




#37
Ethyl Acetate
Concen: 20.678 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

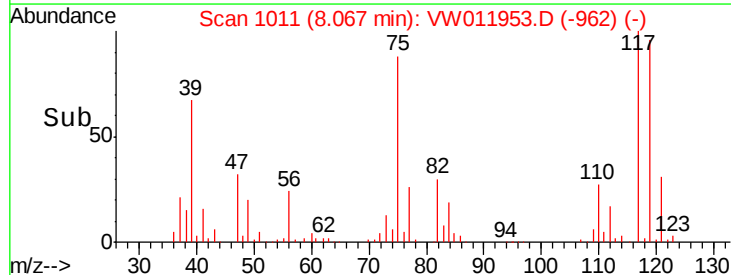
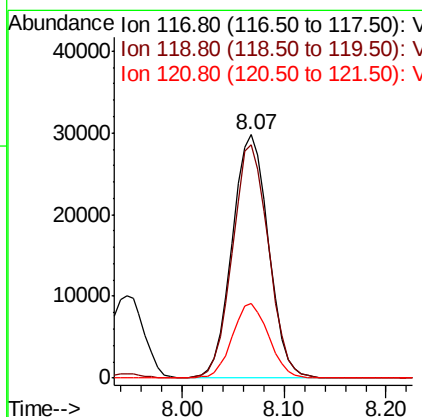
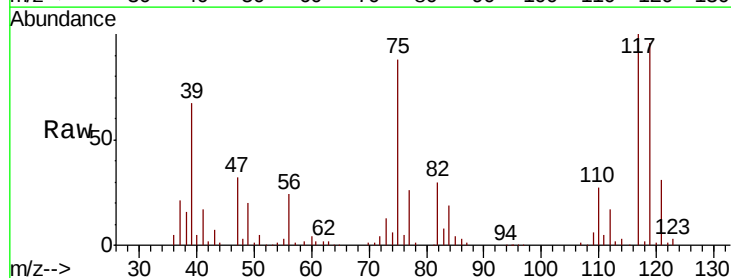
Instrument :
MSVOA_W
ClientSampled :
VW0817SBS01

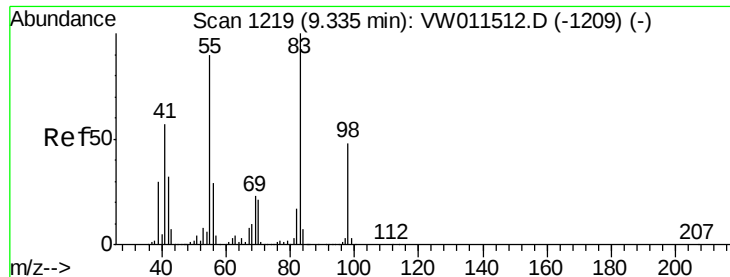
Tgt Ion: 43 Resp: 46361
Ion Ratio Lower Upper
43 100
61 12.3 8.8 13.2
70 9.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 22.110 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 117 Resp: 73763
Ion Ratio Lower Upper
117 100
119 95.7 75.8 113.6
121 30.8 24.7 37.1

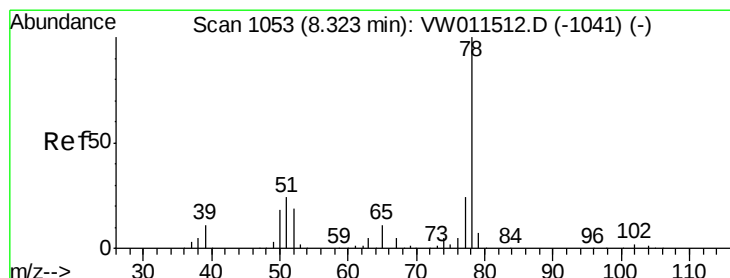
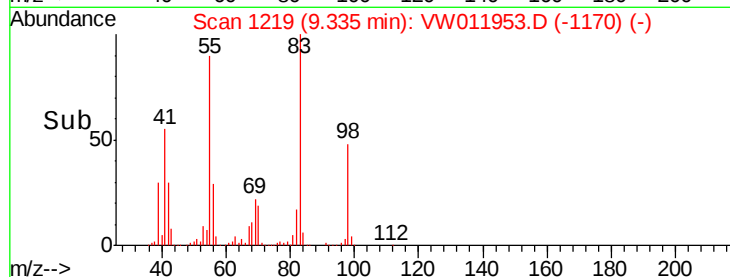
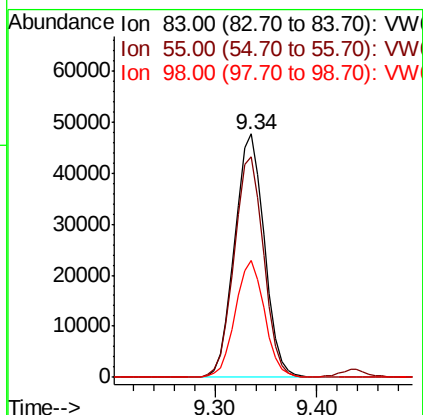
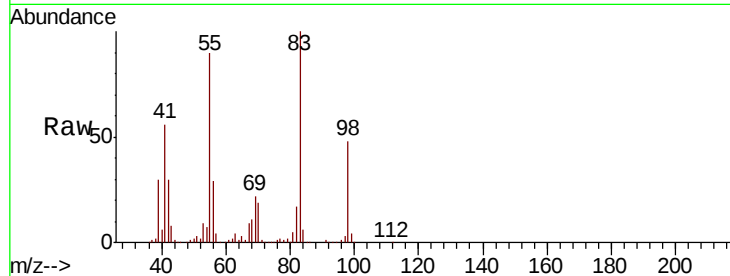




#39
Methylcyclohexane
Concen: 22.412 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

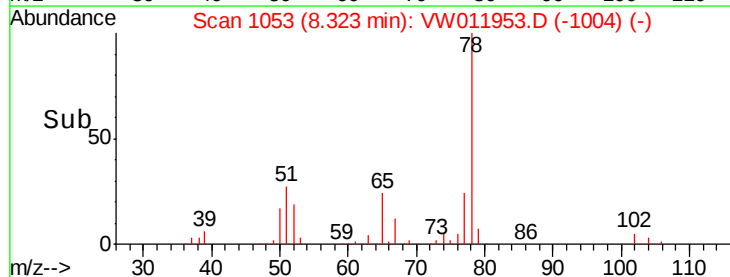
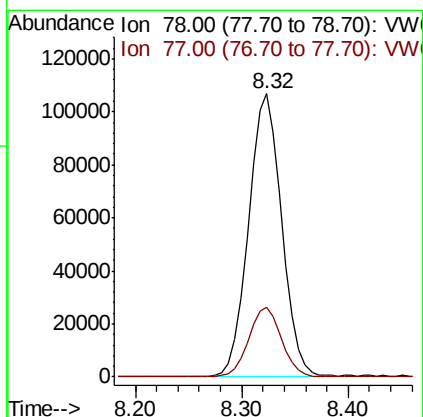
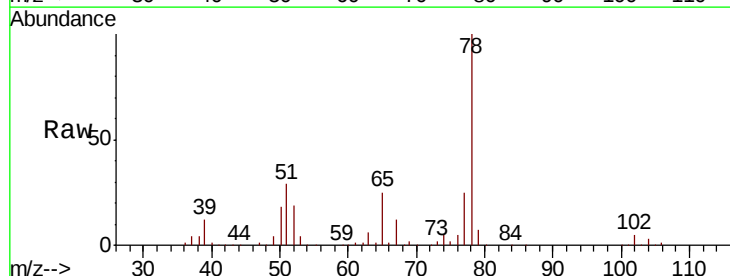
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

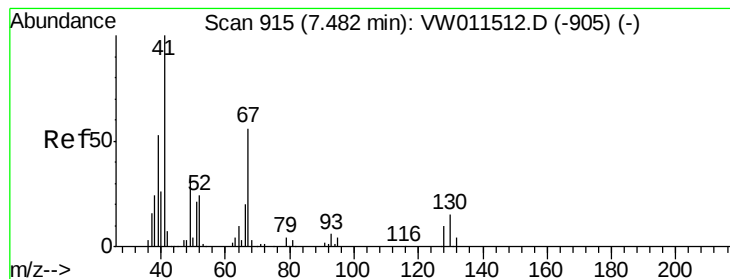
Tgt Ion: 83 Resp: 96174
Ion Ratio Lower Upper
83 100
55 90.4 72.1 108.1
98 48.1 38.6 57.8



#40
Benzene
Concen: 21.361 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 78 Resp: 233176
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0





#41

Methacrylonitrile

Concen: 22.764 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tgt Ion: 41 Resp: 30509

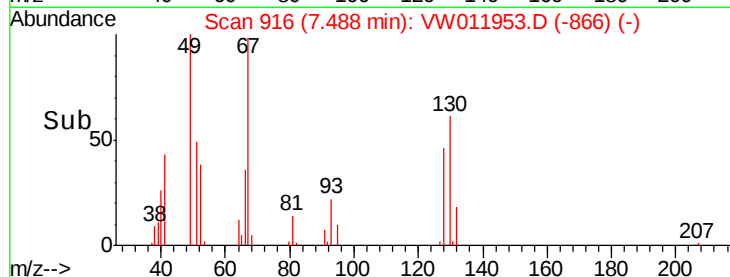
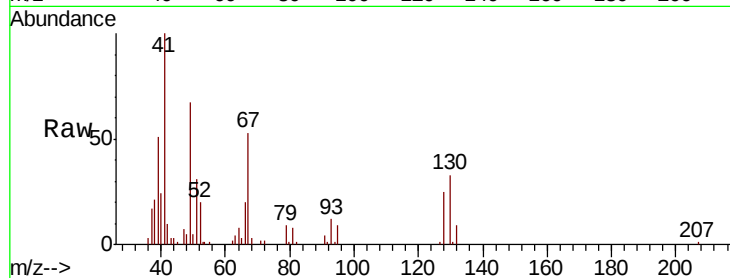
Ion Ratio Lower Upper

41 100

39 49.5 43.0 64.4

67 54.1 47.5 71.3

52 24.0 21.0 31.6

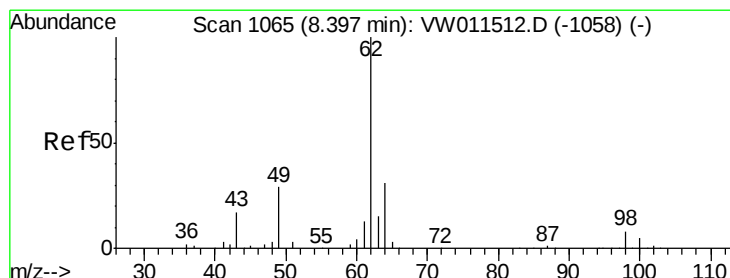
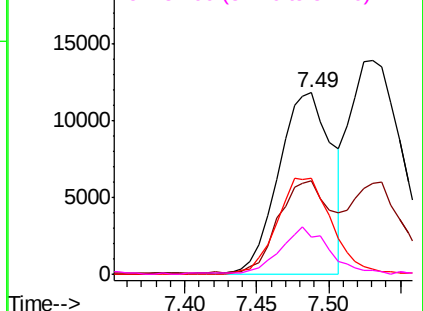


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.290 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011953.D

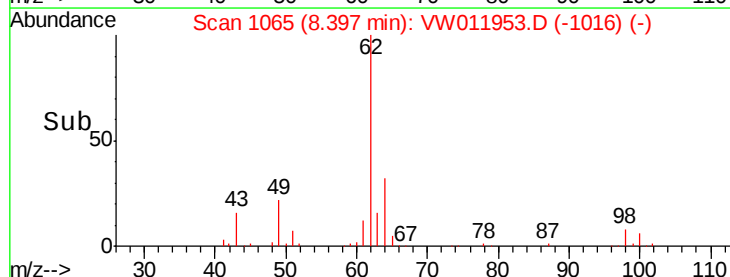
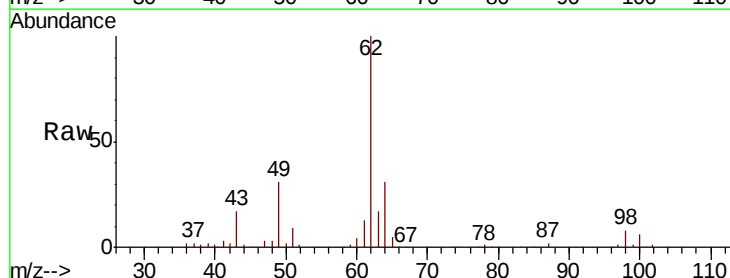
Acq: 16 Aug 2019 10:08

Tgt Ion: 62 Resp: 72760

Ion Ratio Lower Upper

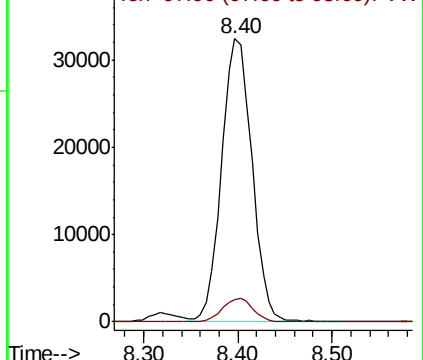
62 100

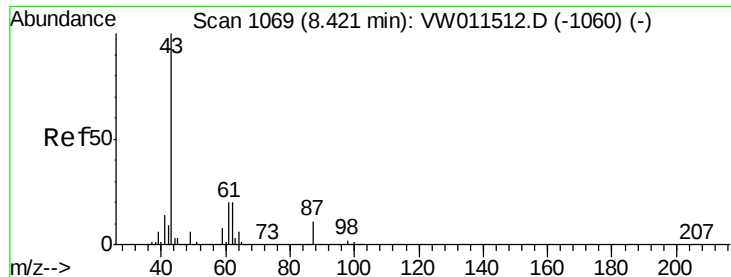
98 8.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.047 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

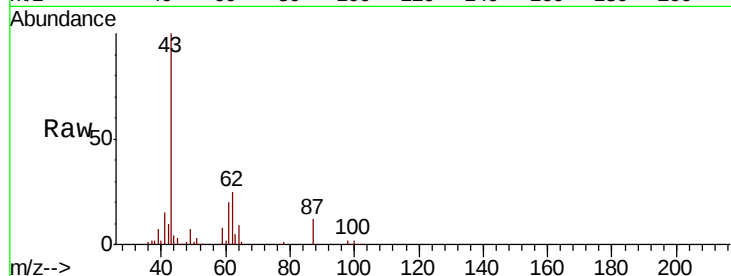
Tgt Ion: 43 Resp: 86784

Ion Ratio Lower Upper

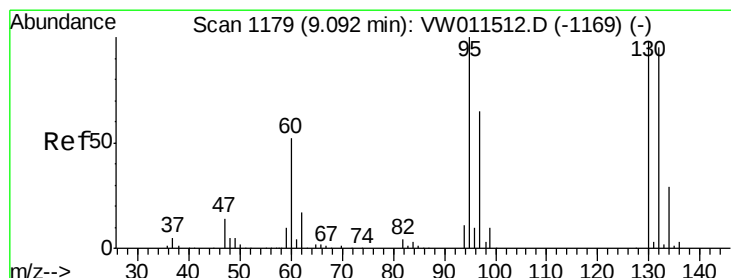
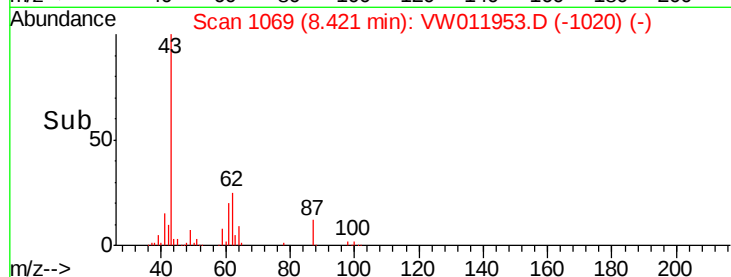
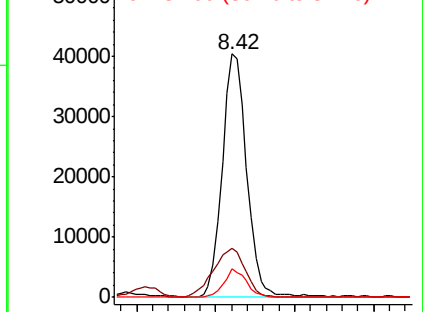
43 100

61 26.6 21.5 32.3

87 10.7 8.4 12.6



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



#44

Trichloroethene

Concen: 21.512 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011953.D

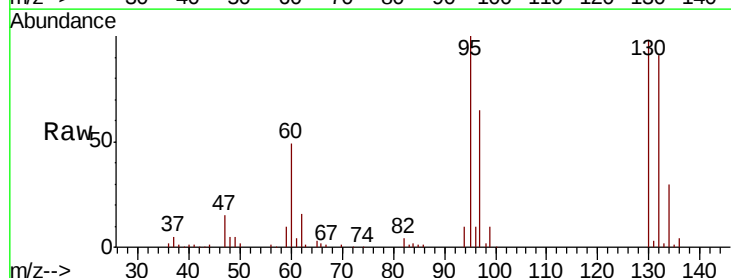
Acq: 16 Aug 2019 10:08

Tgt Ion: 130 Resp: 56438

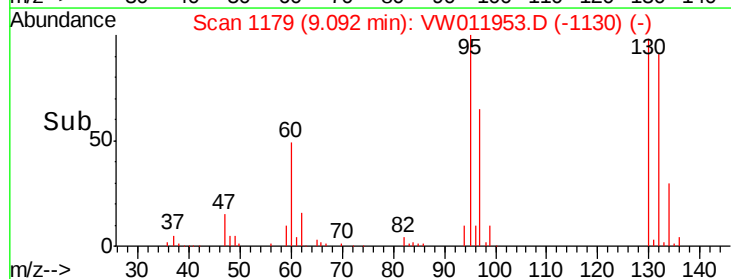
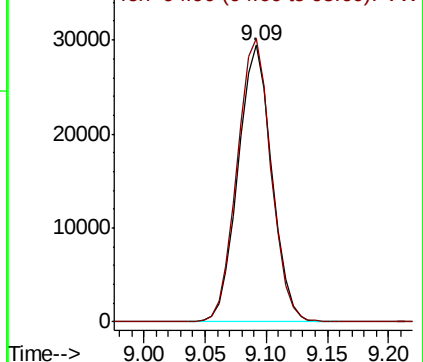
Ion Ratio Lower Upper

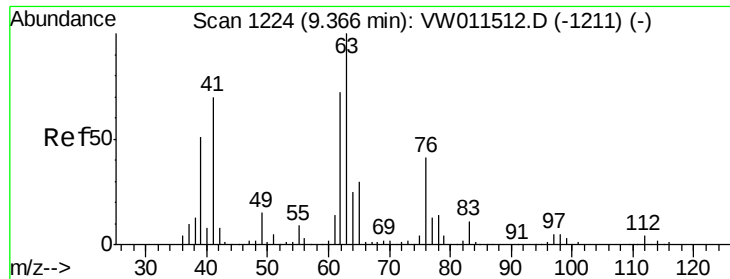
130 100

95 102.2 0.0 204.8



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

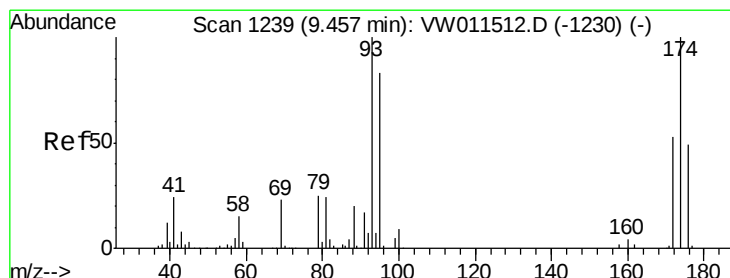
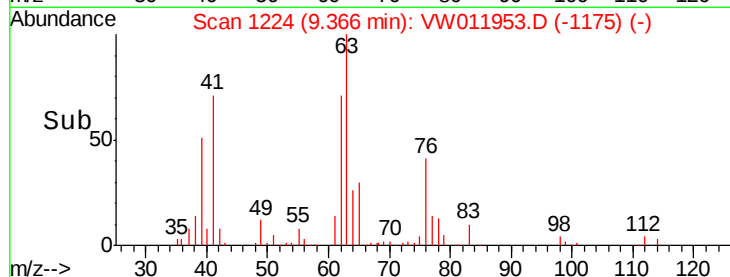
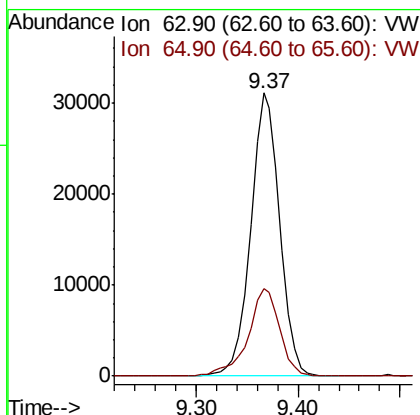
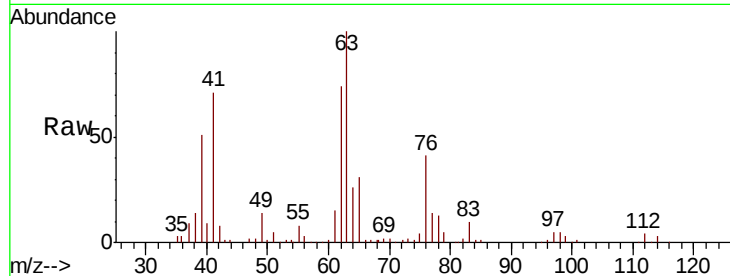




#45
 1,2-Dichloropropane
 Concen: 21.047 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

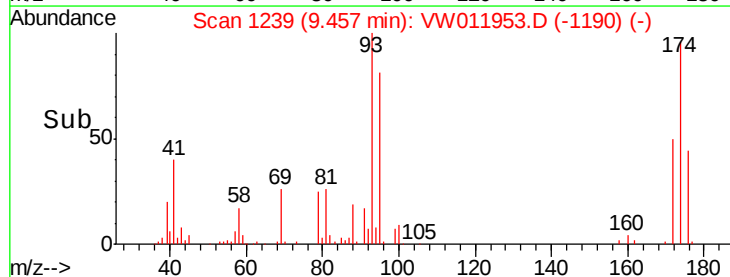
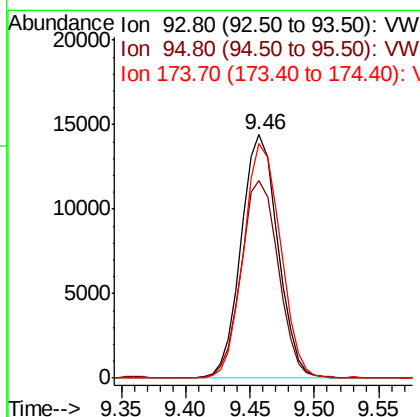
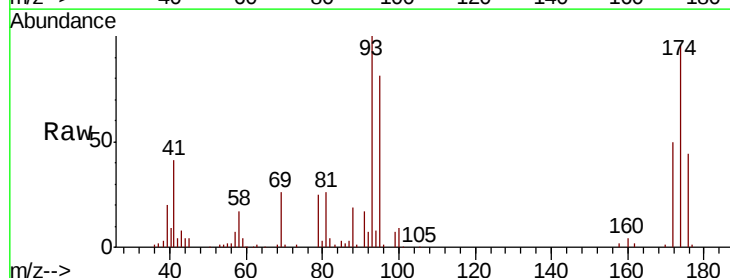
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

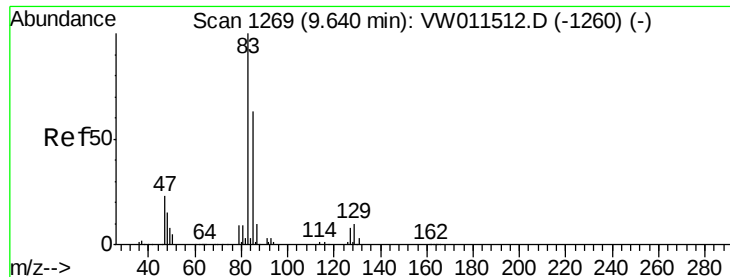
Tgt Ion: 63 Resp: 61472
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4



#46
 Dibromomethane
 Concen: 21.336 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 93 Resp: 28442
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.2
 174 97.1 78.2 117.4





#47

Bromodichloromethane

Concen: 20.918 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

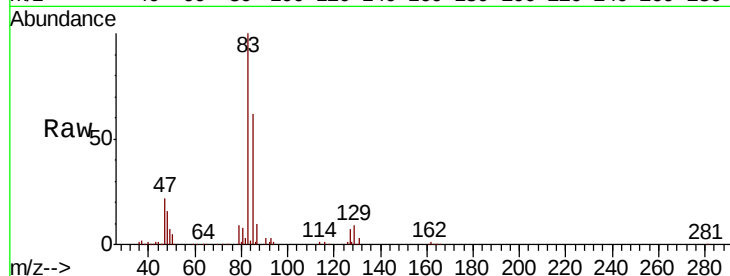
Tgt Ion: 83 Resp: 73147

Ion Ratio Lower Upper

83 100

85 61.6 50.5 75.7

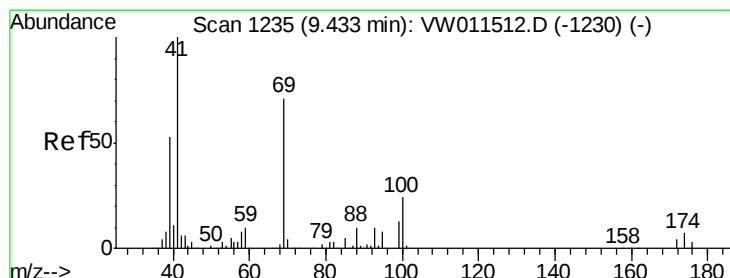
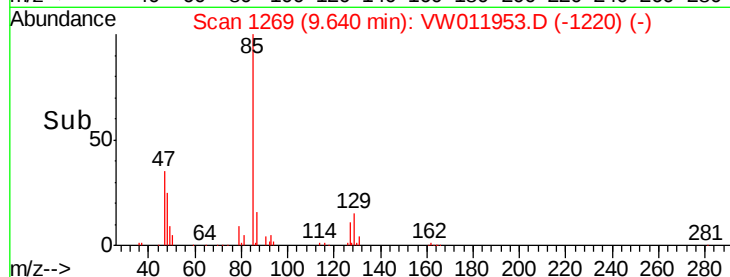
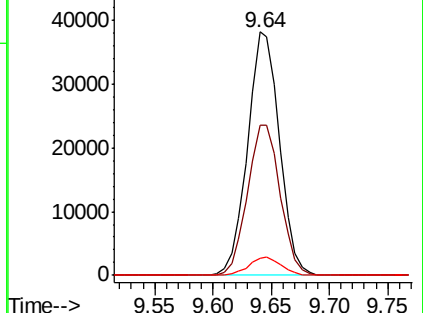
127 6.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.940 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

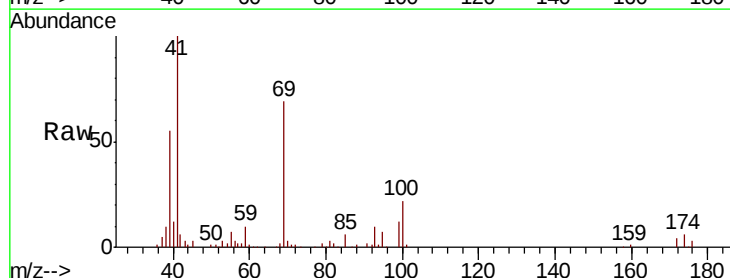
Tgt Ion: 41 Resp: 41477

Ion Ratio Lower Upper

41 100

69 72.6 57.1 85.7

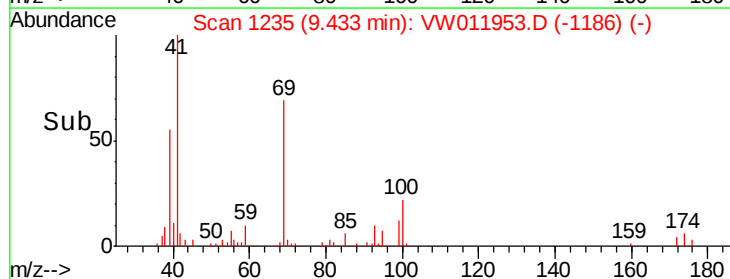
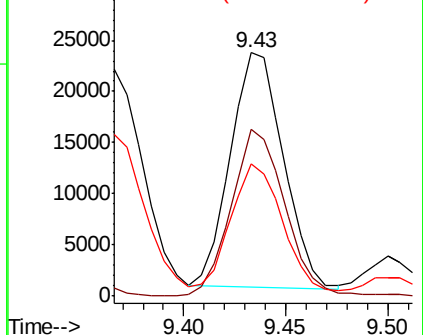
39 56.7 45.4 68.2

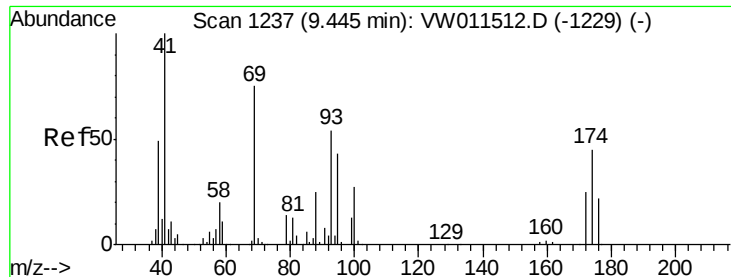


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

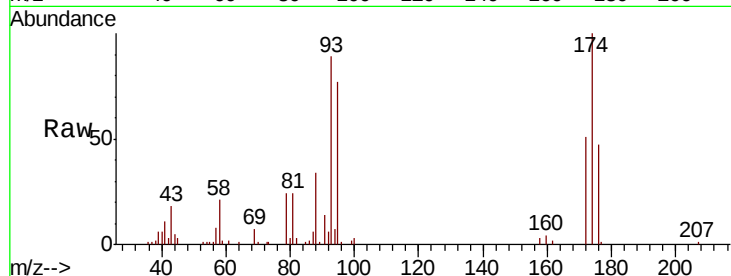




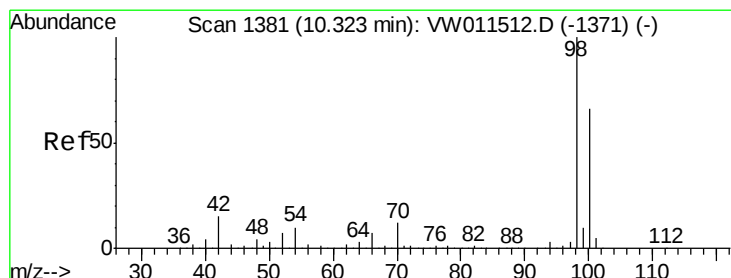
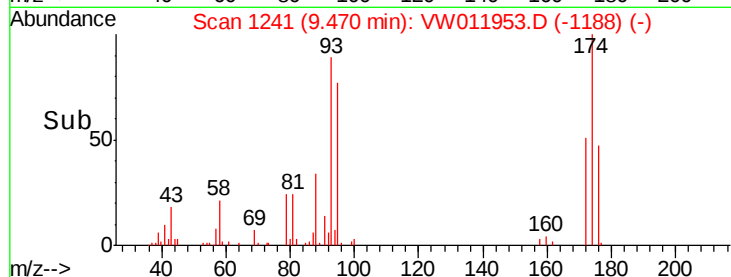
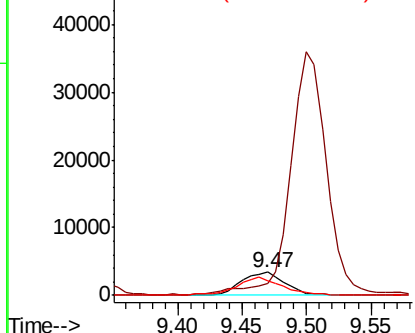
#49
 1,4-Dioxane
 Concen: 416.897 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.02 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tgt Ion: 88 Resp: 8047
 Ion Ratio Lower Upper
 88 100
 43 0.0 34.0 51.0#
 58 83.3 69.7 104.5

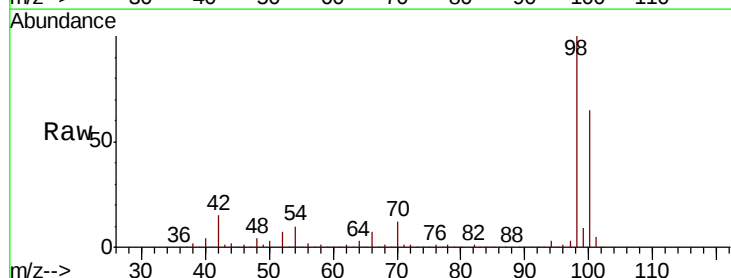


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

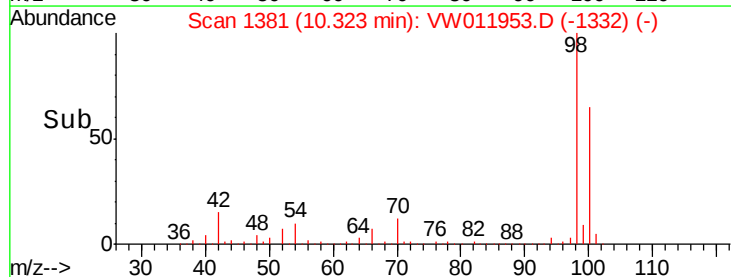
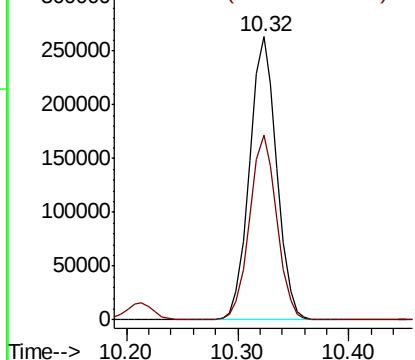


#50
 Toluene-d8
 Concen: 51.893 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 98 Resp: 446734
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.7 79.1



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

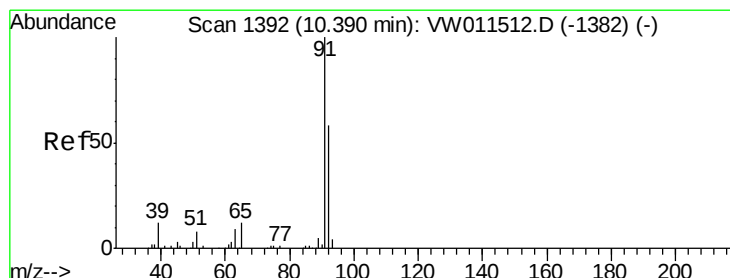
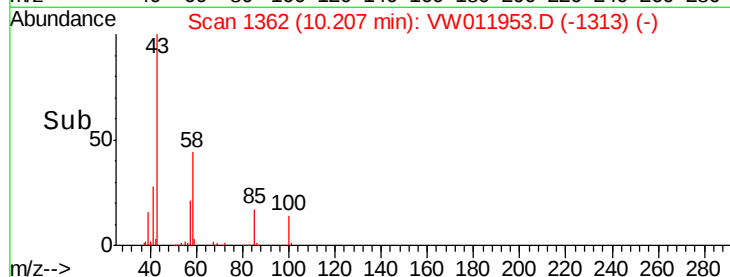
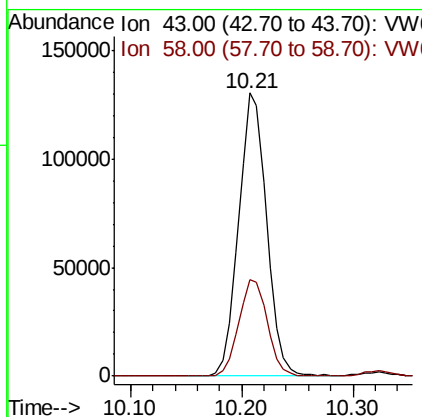
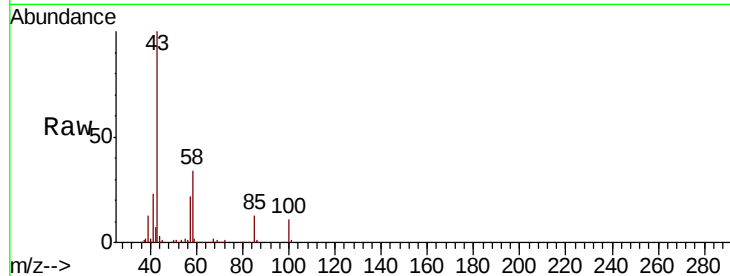




#51
4-Methyl-2-Pentanone
Concen: 105.791 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

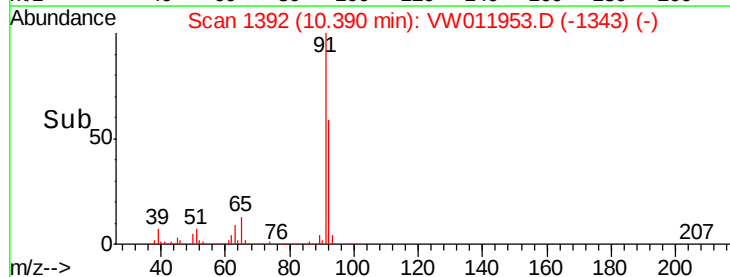
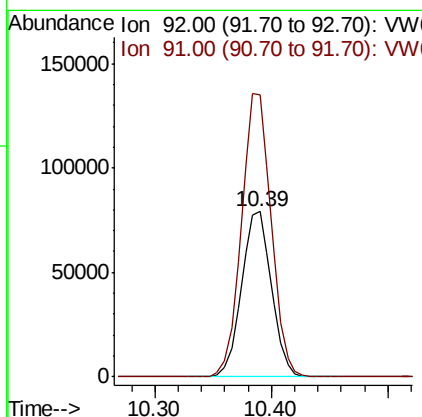
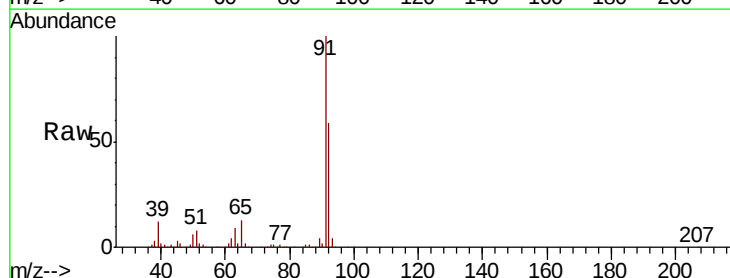
Instrument :
MSVOA_W
ClientSampled :
VW0817SBS01

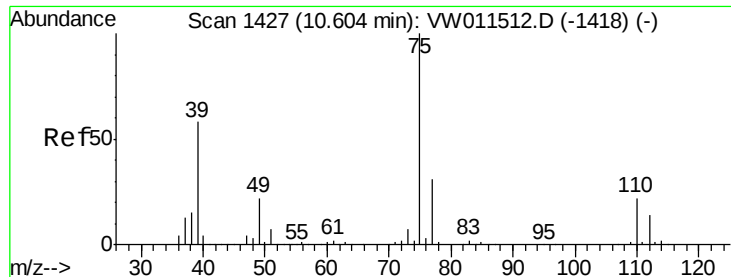
Tgt Ion: 43 Resp: 226897
Ion Ratio Lower Upper
43 100
58 35.0 28.2 42.2



#52
Toluene
Concen: 21.507 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 92 Resp: 141777
Ion Ratio Lower Upper
92 100
91 170.5 136.7 205.1

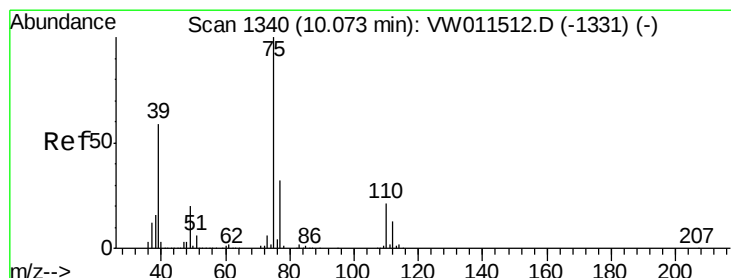
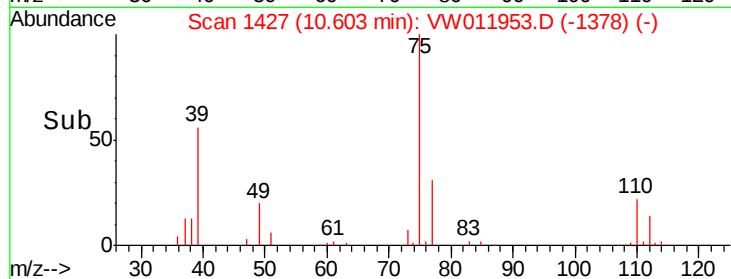
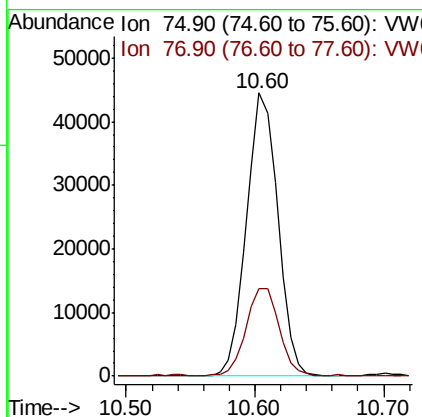
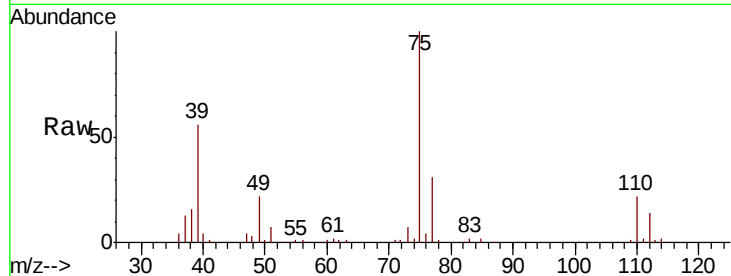




#53
 t-1,3-Dichloropropene
 Concen: 20.542 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

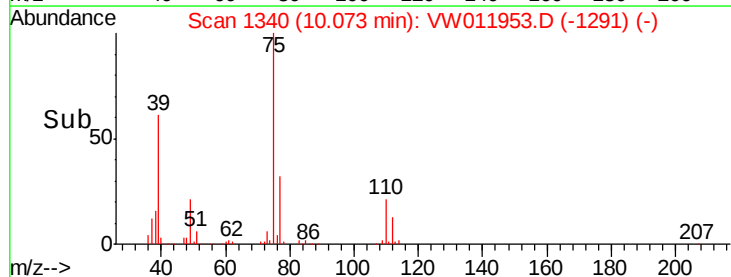
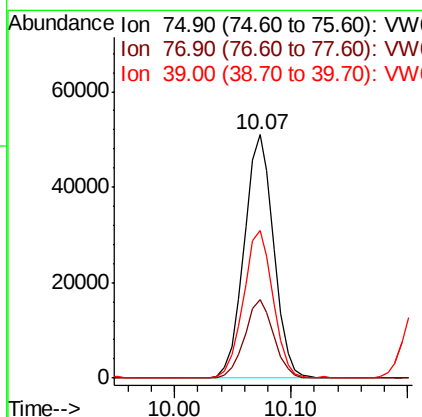
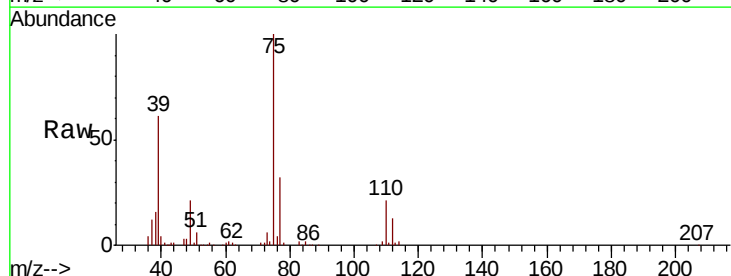
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

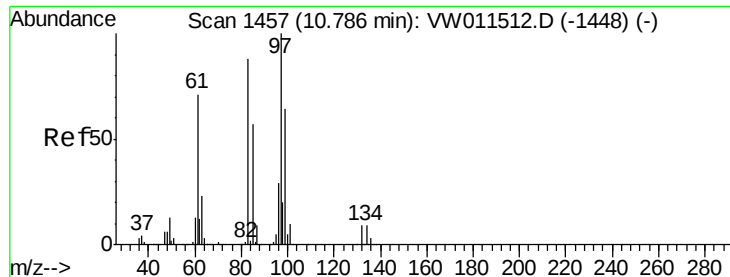
Tgt Ion: 75 Resp: 75038
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.713 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 75 Resp: 89961
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 60.6 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 21.214 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tgt Ion: 97 Resp: 40125

Ion	Ratio	Lower	Upper
97	100		
83	91.6	70.5	105.7
85	58.8	45.8	68.6
99	64.7	51.0	76.4

Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->

10.75 10.80 10.85

20000

10000

0

10.79

10.75 10.80 10.85

10.75 10.80 10.85

10.75 10.80 10.85

10.75 10.80 10.85

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10.75 10.80 10.85

10.75 10.80 10.85

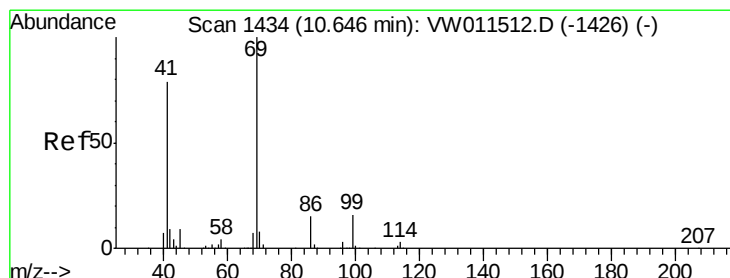
10.75 10.80 10.85

10.75 10.80 10.85

10.75 10.80 10.85

10.75 10.80 10.85

10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 20.914 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion: 69 Resp: 57886

Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.6	99.8
39	38.2	30.3	45.5

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

Time-->

10.60 10.70

10.60 10.70

10.60 10.70

10.60 10.70

10.60 10.70

10.60 10.70

10.60 10.70

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10.60 10.70

10.60 10.70

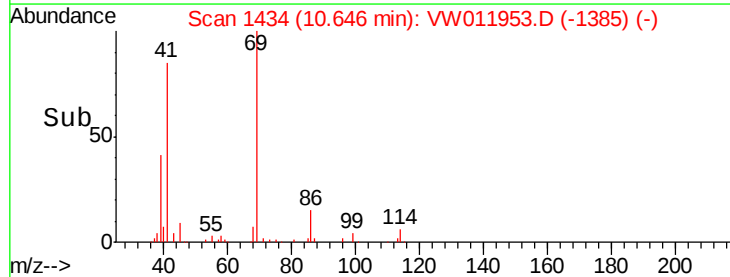
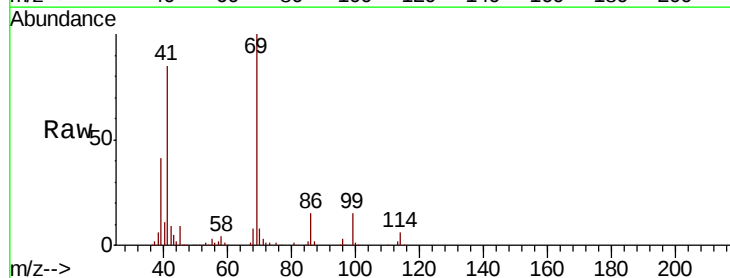
10.60 10.70

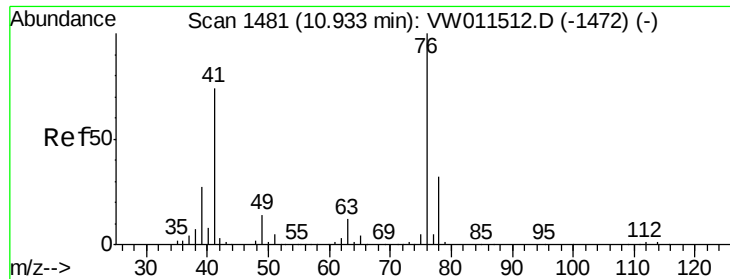
10.60 10.70

10.60 10.70

10.60 10.70

10.60 10.70

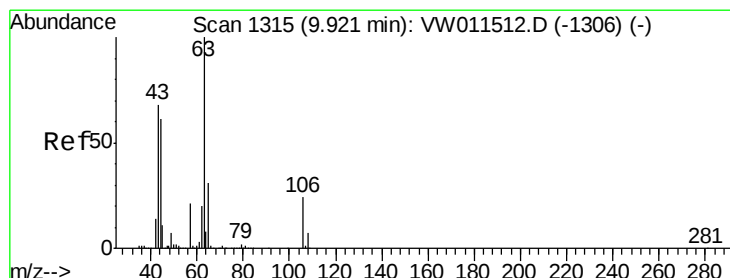
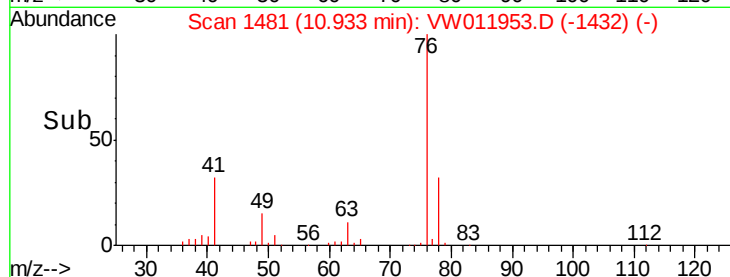
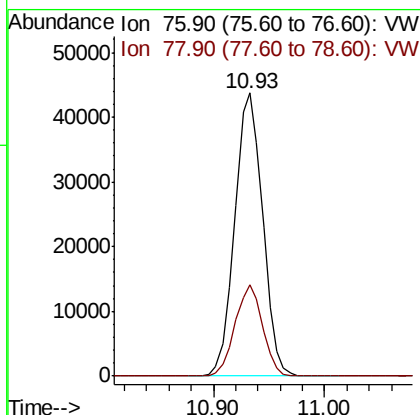
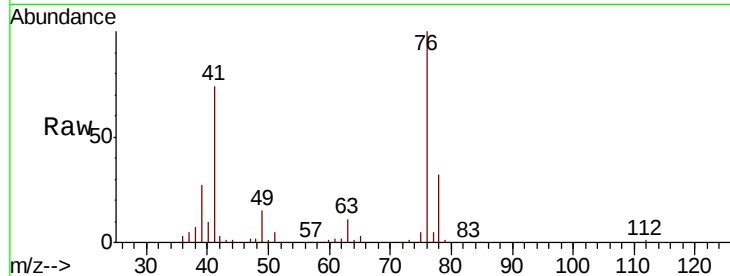




#57
 1,3-Dichloropropane
 Concen: 21.137 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

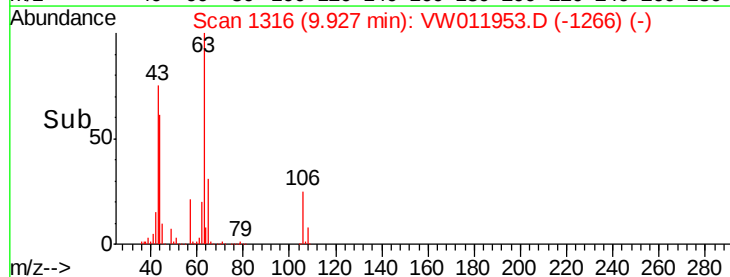
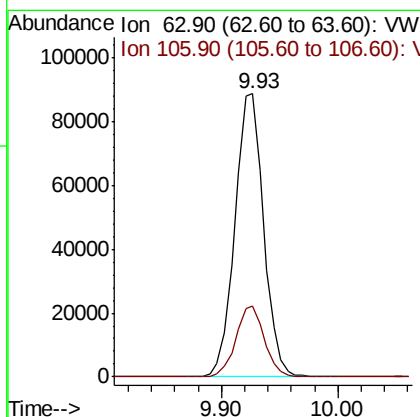
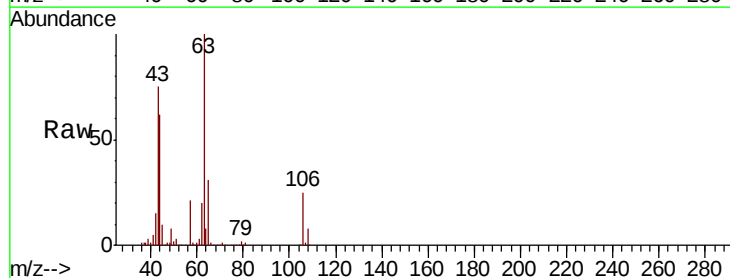
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tgt Ion: 76 Resp: 75638
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.475 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 63 Resp: 152656
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5

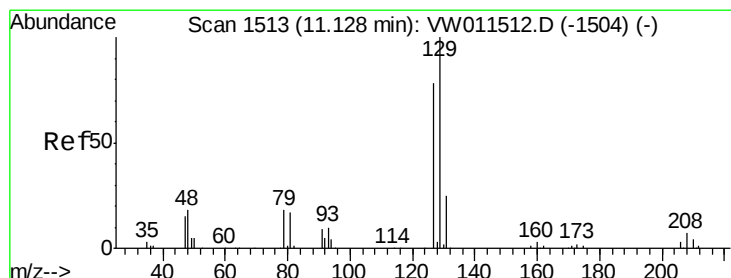
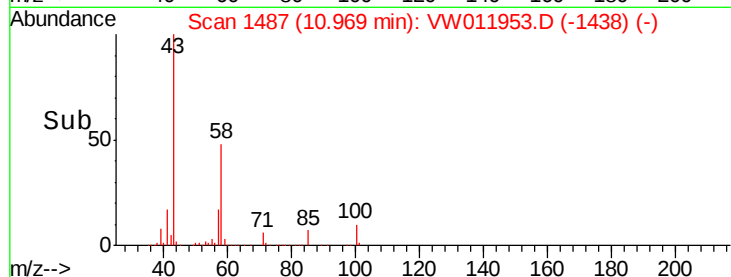
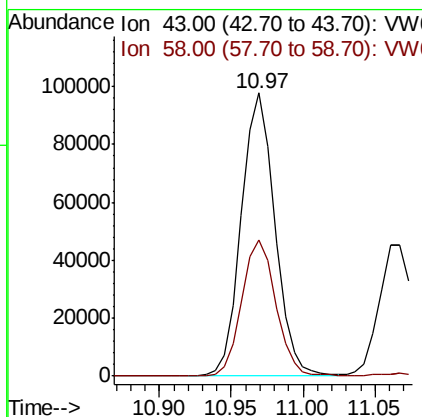
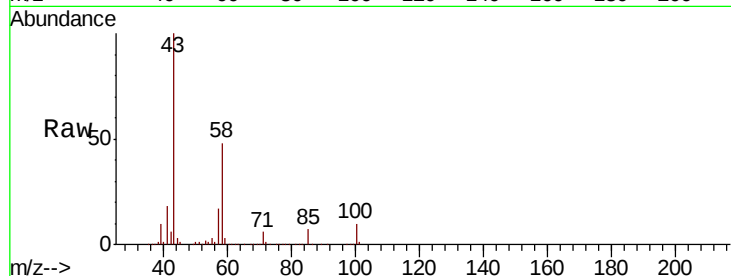




#59
2-Hexanone
Concen: 104.653 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

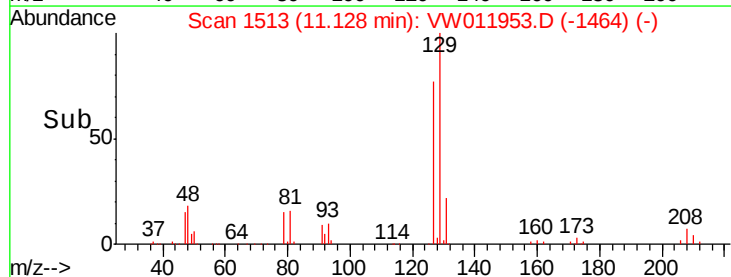
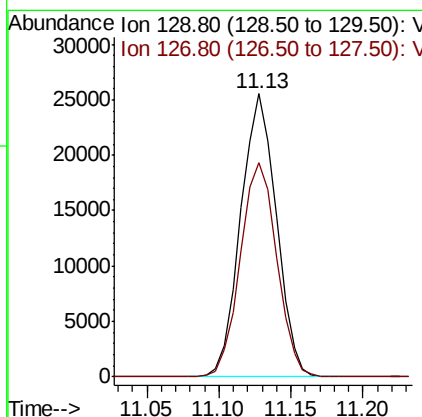
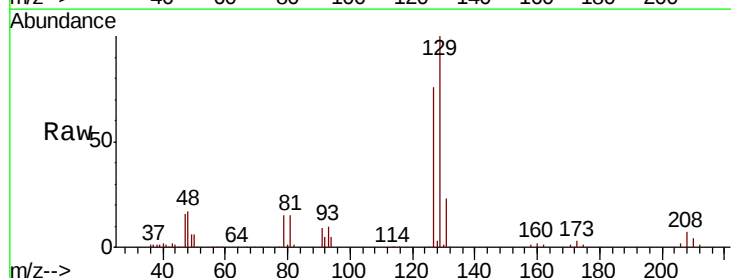
Instrument :
MSVOA_W
ClientSampled :
VW0817SBS01

Tgt Ion: 43 Resp: 158481
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9



#60
Dibromochloromethane
Concen: 20.892 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 129 Resp: 43863
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

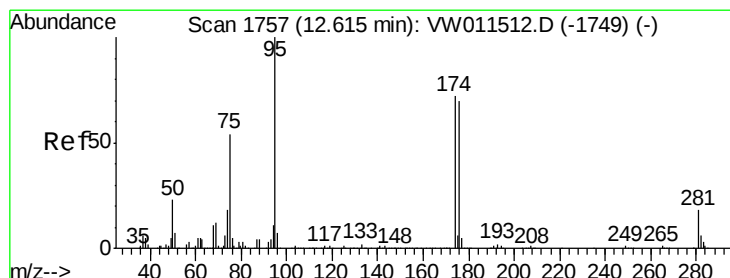
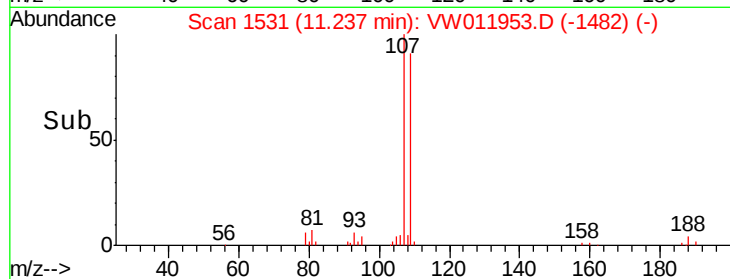
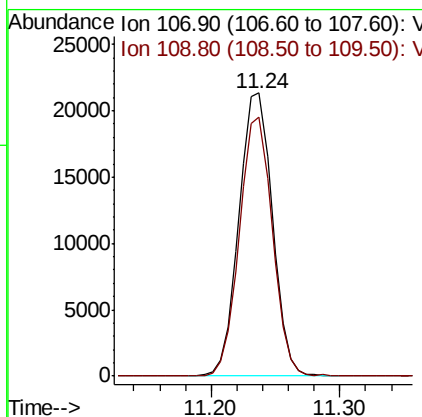
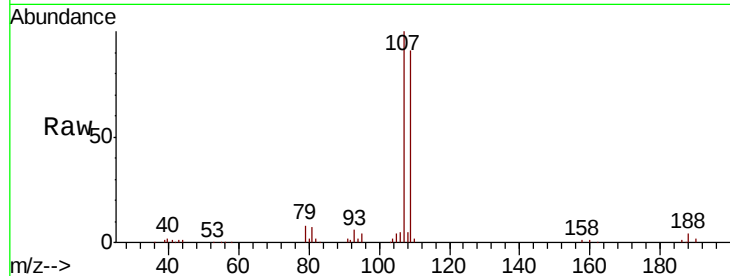




#61
 1,2-Dibromoethane
 Concen: 21.482 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

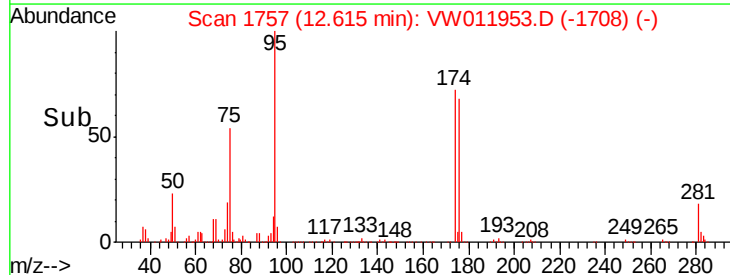
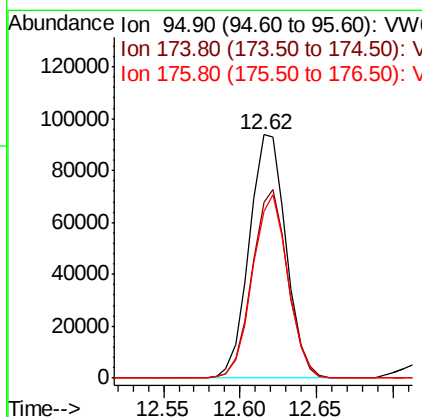
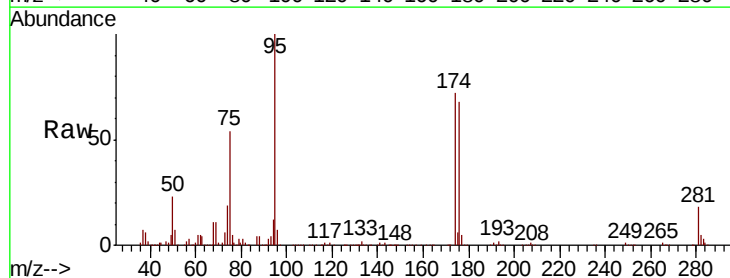
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

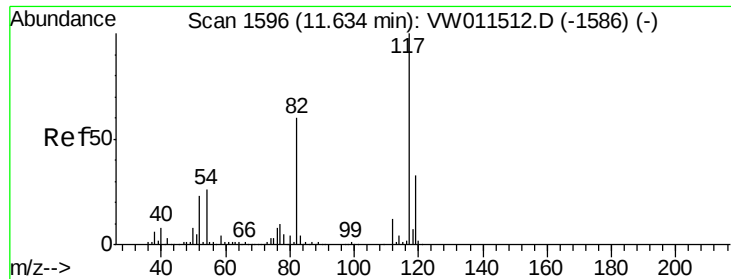
Tgt Ion: 107 Resp: 38451
 Ion Ratio Lower Upper
 107 100
 109 90.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.007 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 95 Resp: 156549
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.2
 176 72.9 0.0 144.4

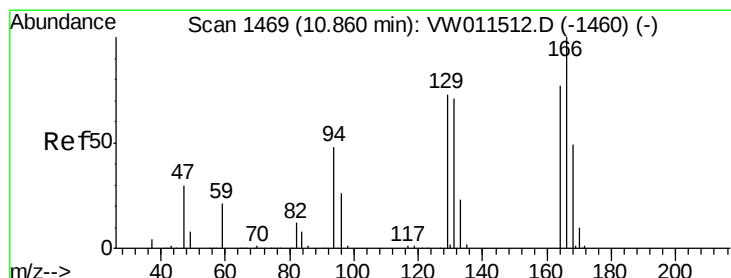
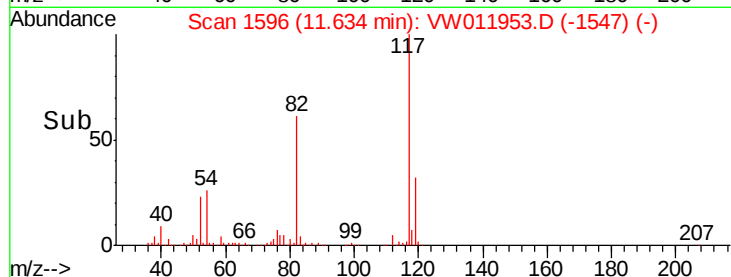
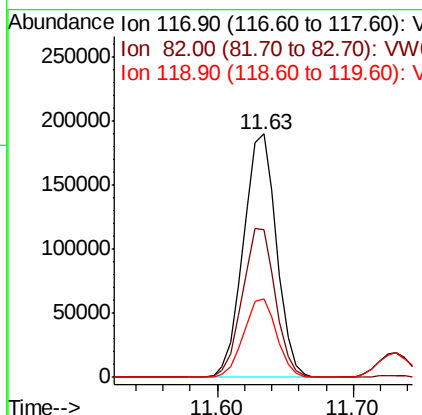
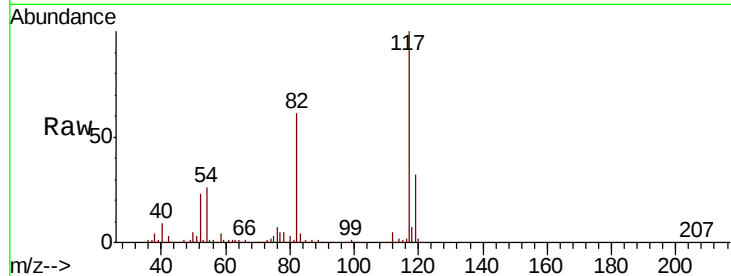




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

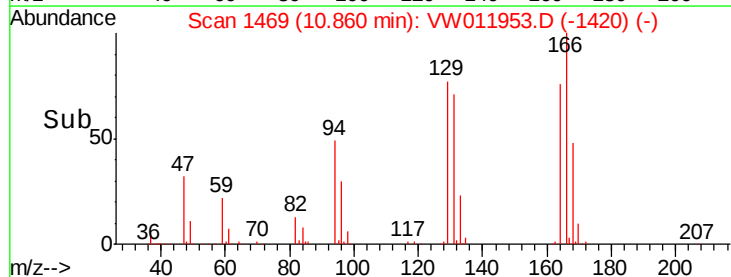
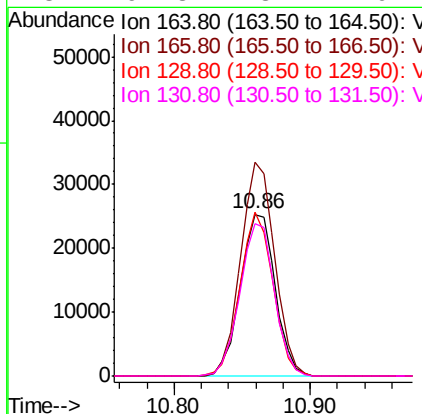
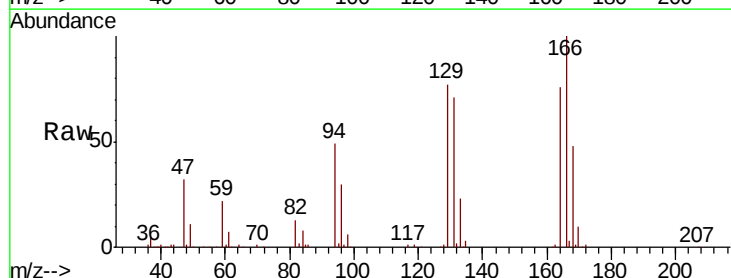
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tgt Ion:117 Resp: 323986
Ion Ratio Lower Upper
117 100
82 60.6 47.9 71.9
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 21.531 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion:164 Resp: 45419
Ion Ratio Lower Upper
164 100
166 132.3 103.5 155.3
129 101.8 75.2 112.8
131 94.3 73.4 110.2

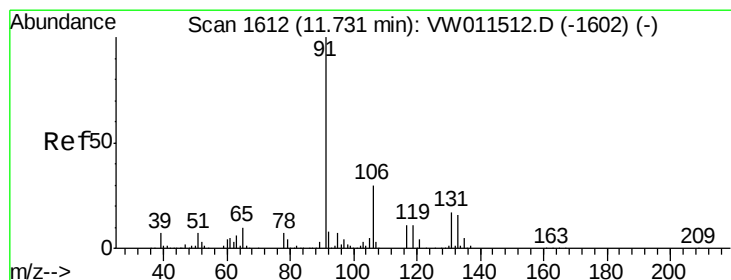
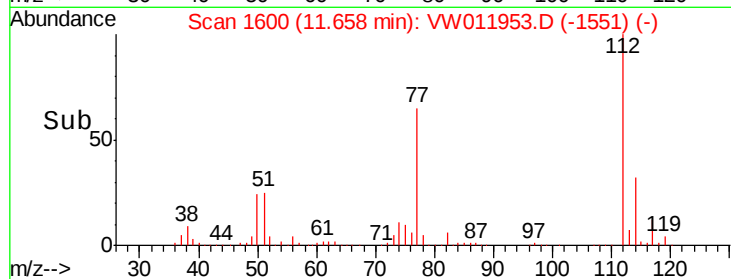
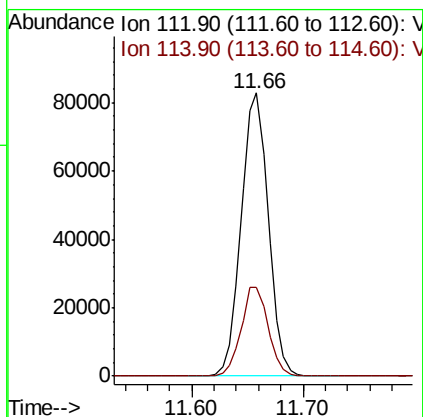
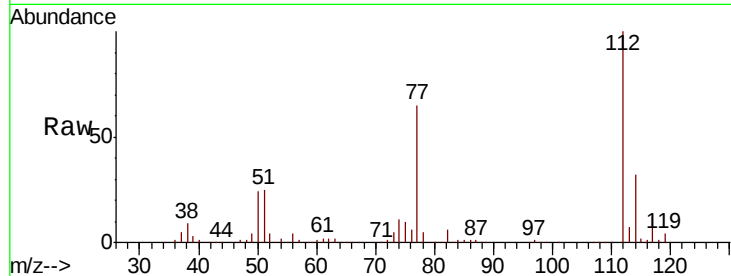




#65
Chlorobenzene
Concen: 21.467 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

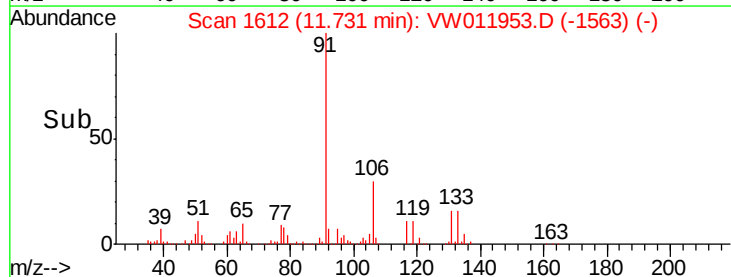
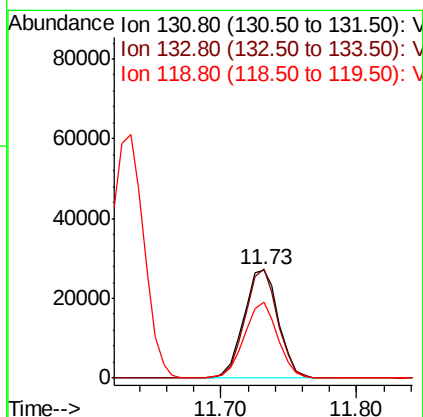
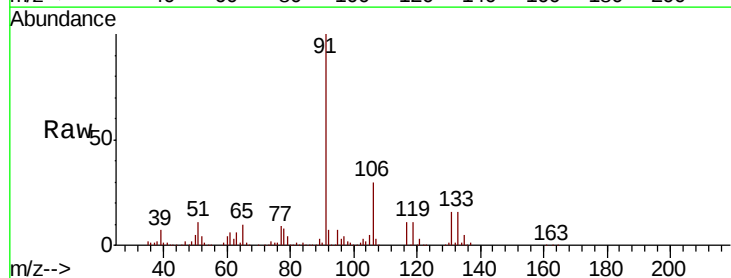
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

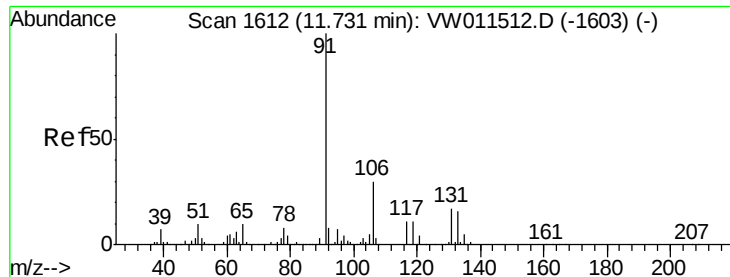
Tgt Ion:112 Resp: 139828
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.317 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion:131 Resp: 48366
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 66.6 32.3 96.9

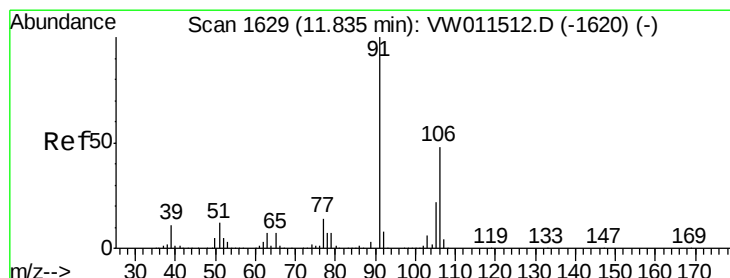
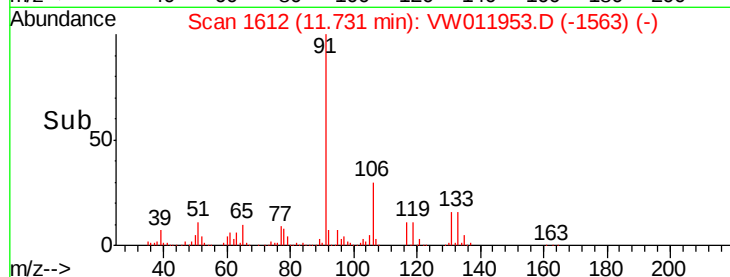
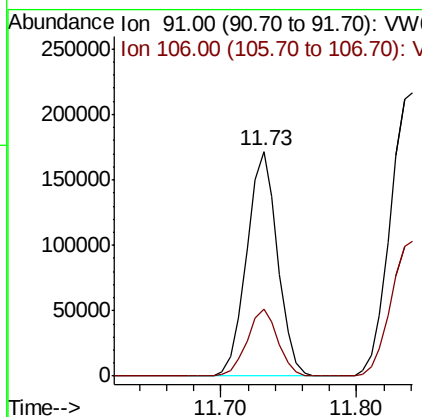
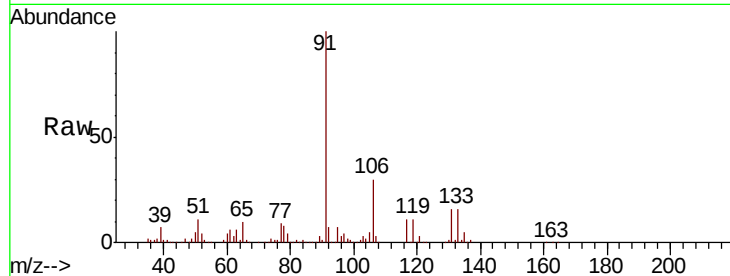




#67
Ethyl Benzene
Concen: 21.960 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

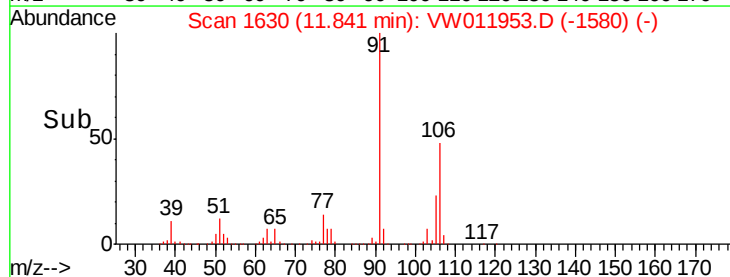
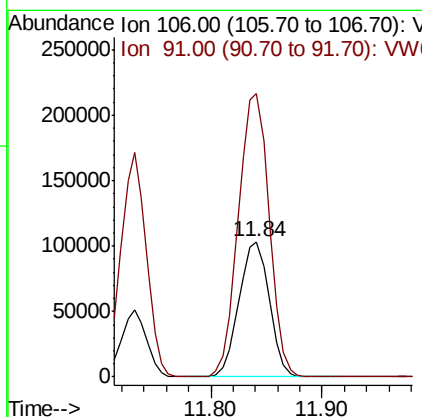
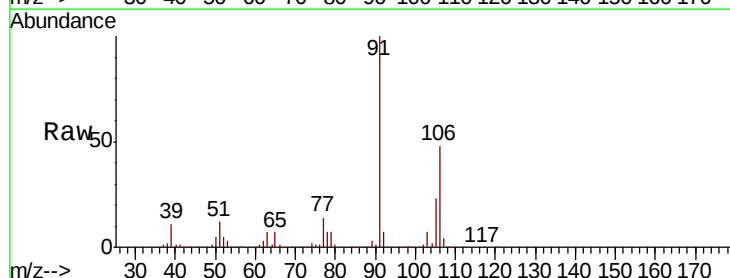
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

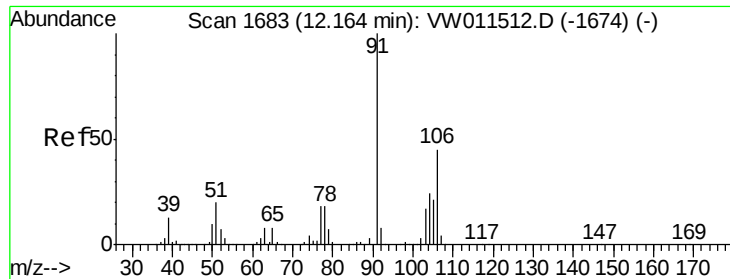
Tgt Ion: 91 Resp: 272424
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6



#68
m/p-Xylenes
Concen: 43.424 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 106 Resp: 195908
Ion Ratio Lower Upper
106 100
91 211.8 168.2 252.2

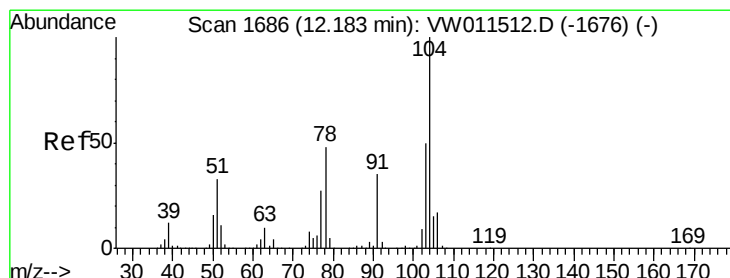
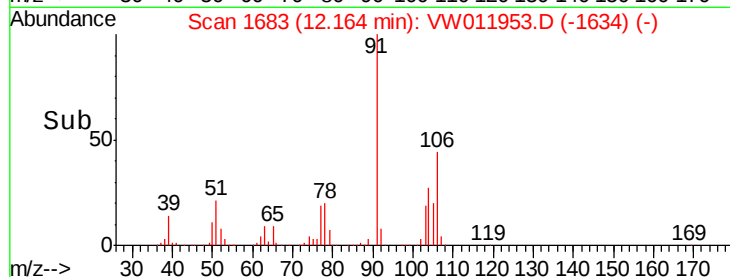
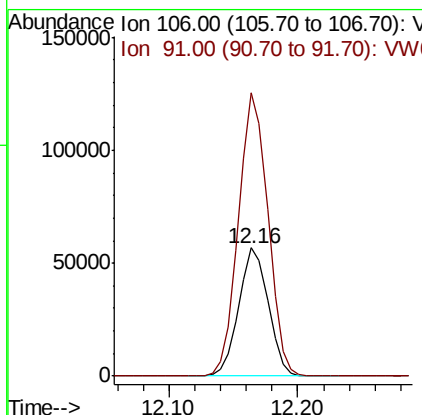
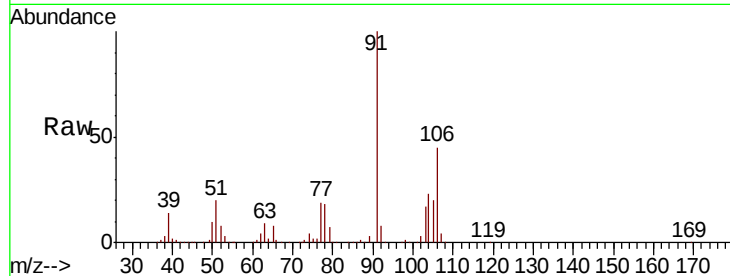




#69
o-Xylene
Concen: 21.476 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

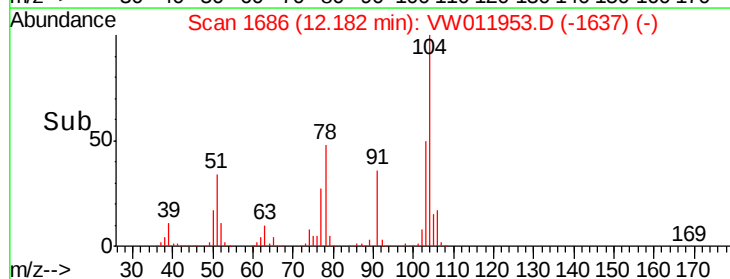
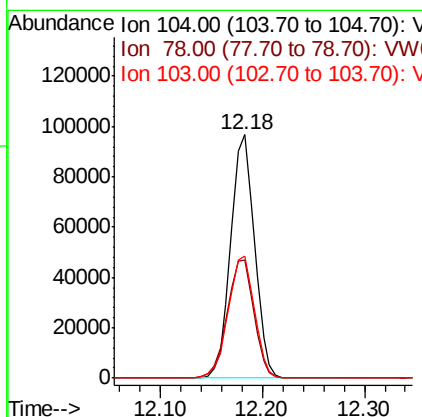
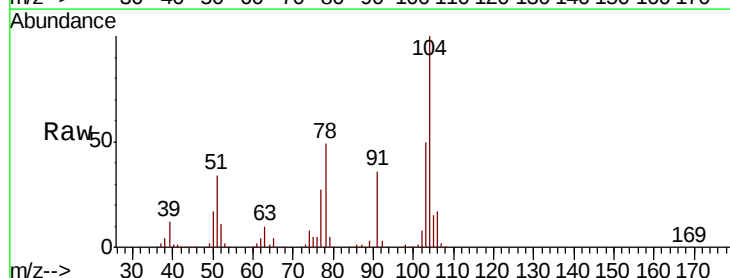
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tgt Ion:106 Resp: 90035
Ion Ratio Lower Upper
106 100
91 221.3 110.5 331.5



#70
Styrene
Concen: 21.496 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion:104 Resp: 155818
Ion Ratio Lower Upper
104 100
78 54.6 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 21.102 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

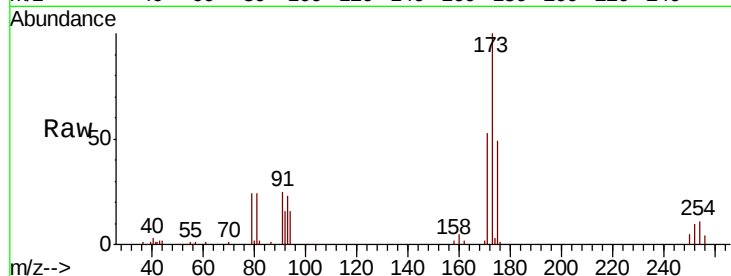
Tgt Ion:173 Resp: 24411

Ion Ratio Lower Upper

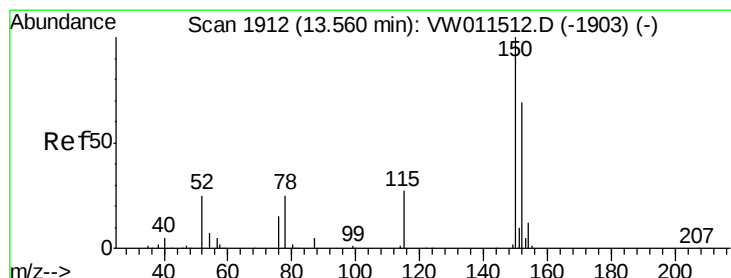
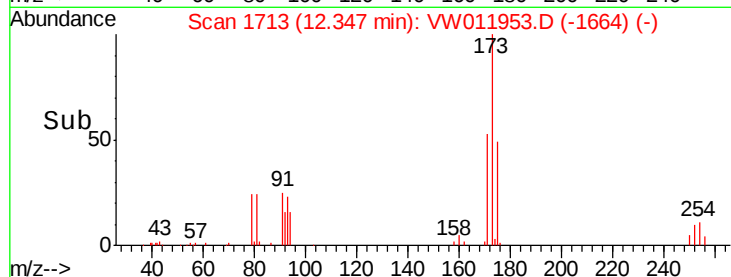
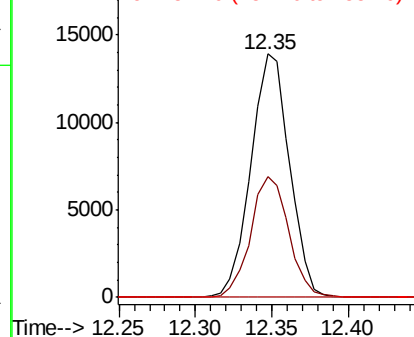
173 100

175 48.8 23.6 71.0

254 0.0 0.1 0.1#



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: VW011953.D

Acq: 16 Aug 2019 10:08

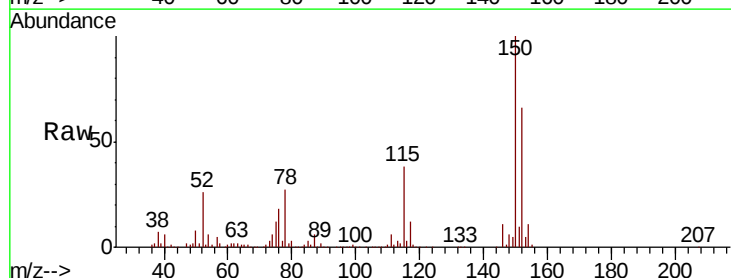
Tgt Ion:152 Resp: 158225

Ion Ratio Lower Upper

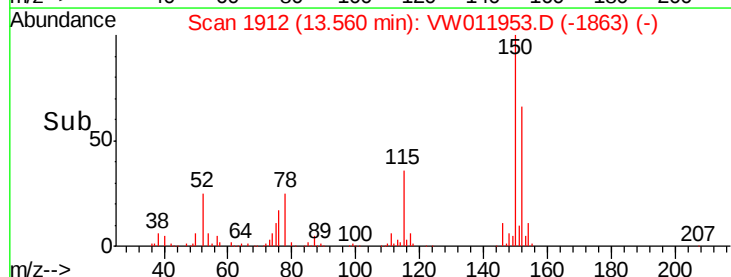
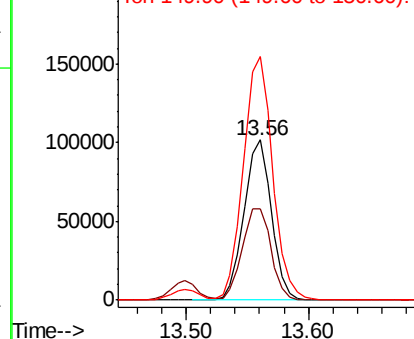
152 100

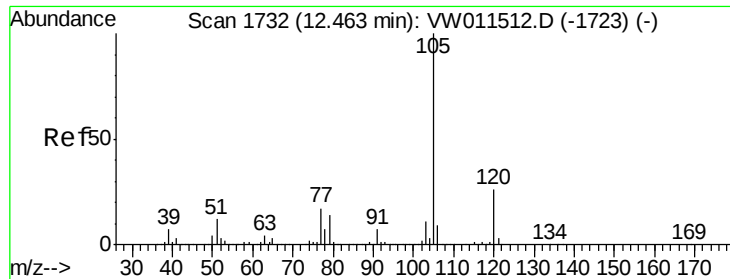
115 60.1 30.5 91.5

150 161.9 0.0 352.6



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





#73

Isopropylbenzene

Concen: 21.904 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

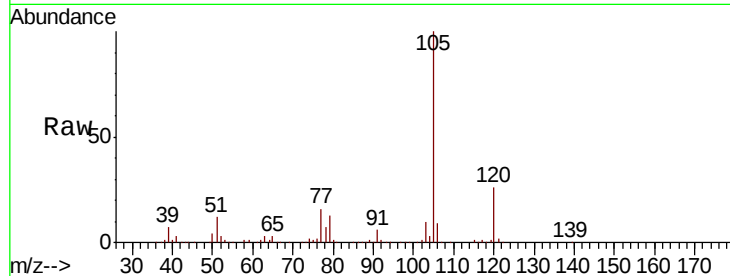
VW0817SBS01

Tgt Ion: 105 Resp: 258558

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

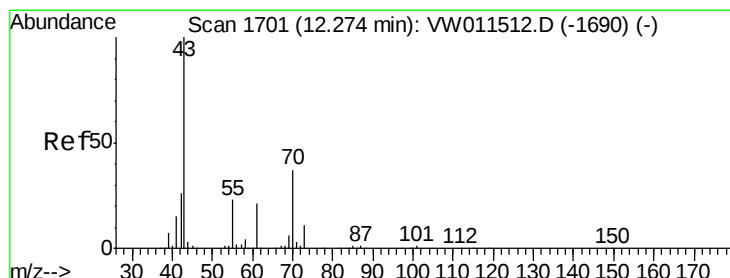
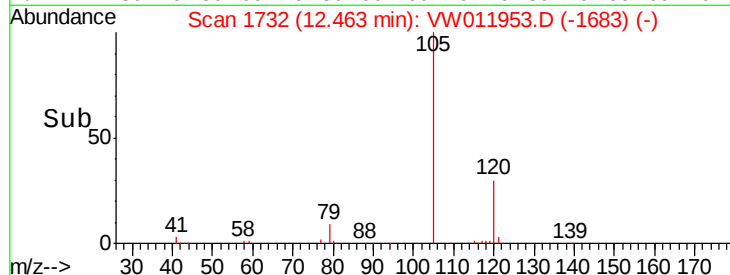
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.563 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion: 43 Resp: 79688

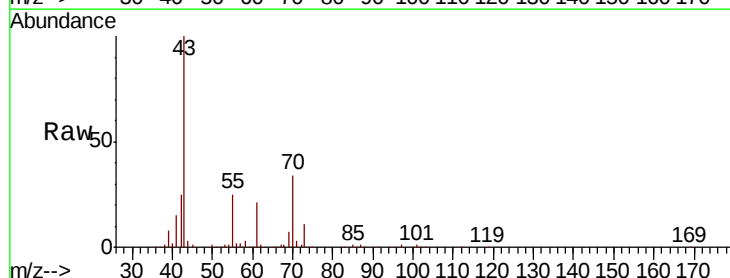
Ion Ratio Lower Upper

43 100

70 34.7 28.6 43.0

55 23.3 17.8 26.8

61 21.1 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

60000

40000

20000

0

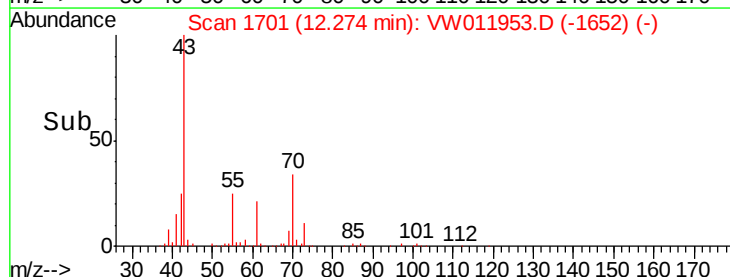
12.27

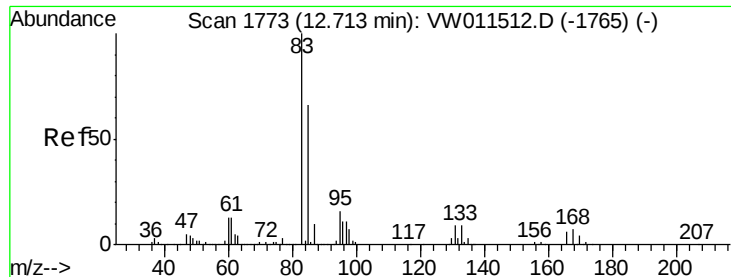
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.551 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

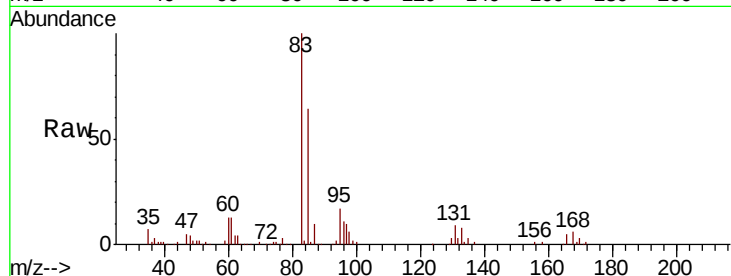
MSVOA_W

ClientSampleId :

VW0817SBS01

Tgt Ion: 83 Resp: 47850

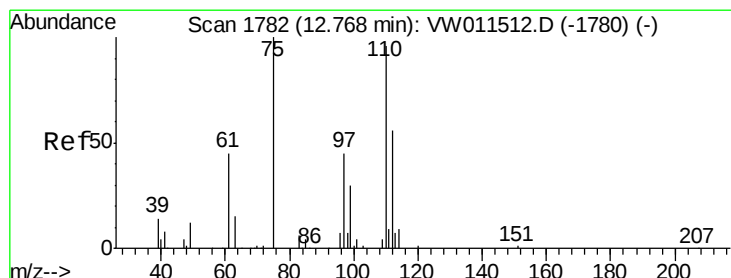
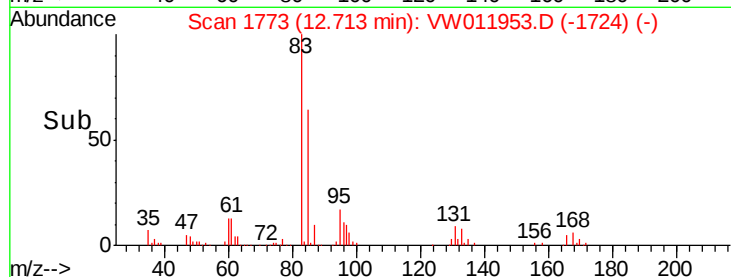
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	65.2	31.8	95.4



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: 37.647 ug/l

RT: 12.77 min Scan# 1782

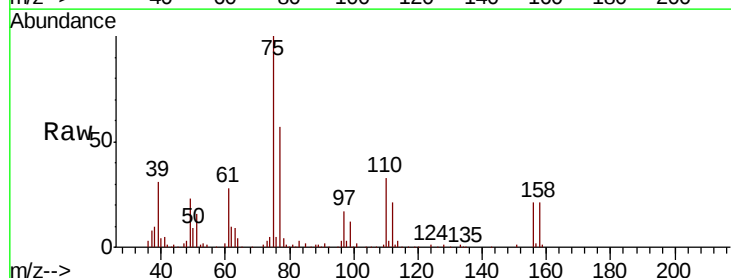
Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

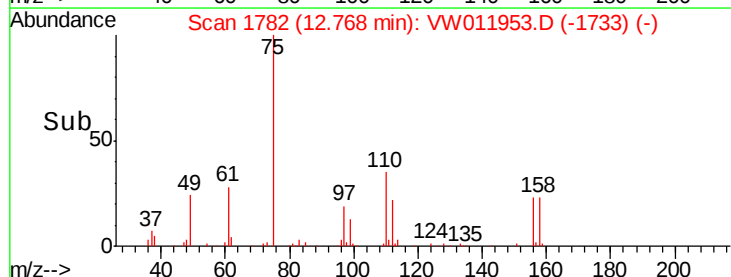
Tgt Ion: 75 Resp: 63028

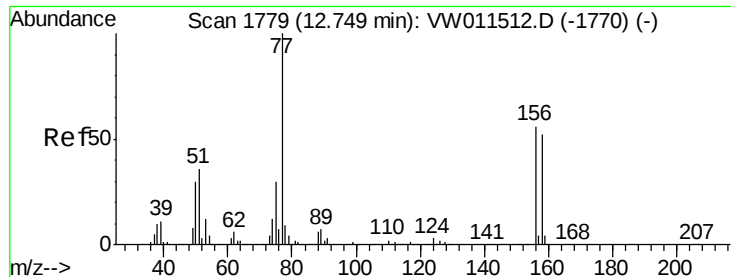
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.235 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

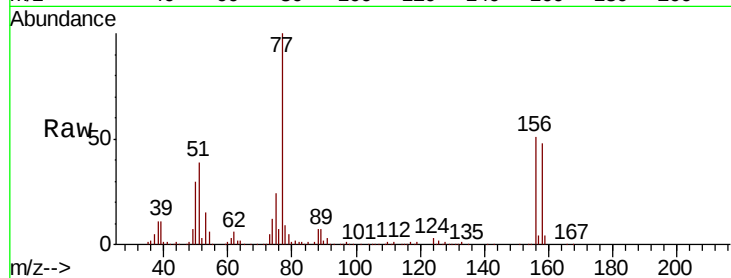
Tgt Ion:156 Resp: 55403

Ion Ratio Lower Upper

156 100

77 212.1 106.5 319.4

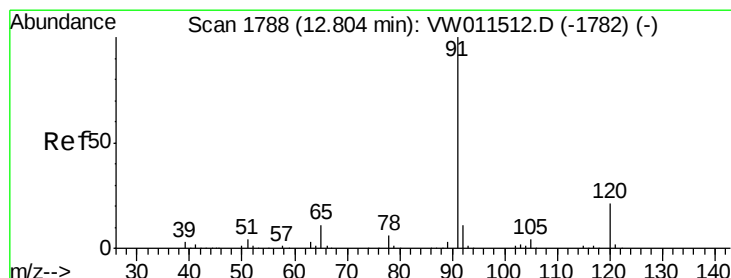
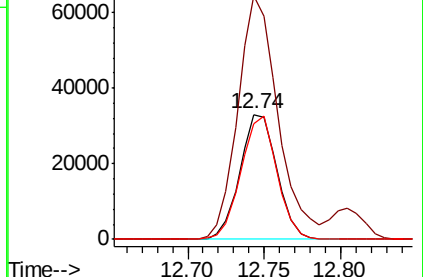
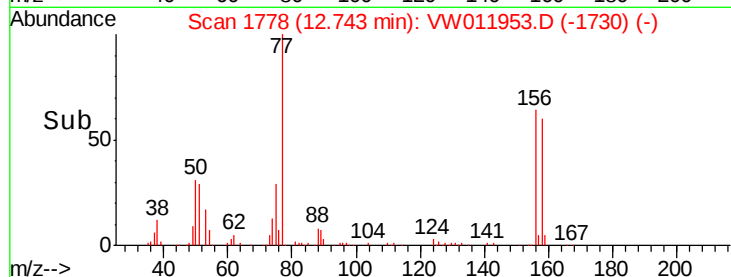
158 96.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.867 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011953.D

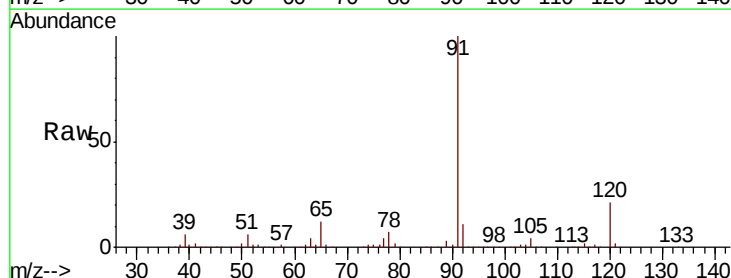
Acq: 16 Aug 2019 10:08

Tgt Ion: 91 Resp: 314132

Ion Ratio Lower Upper

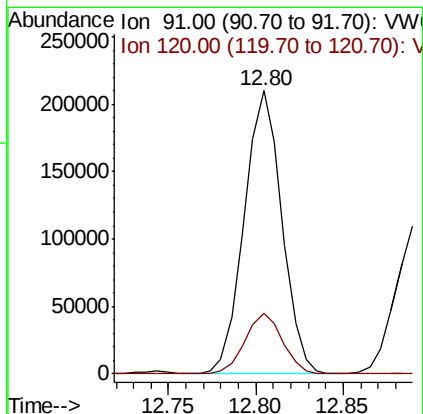
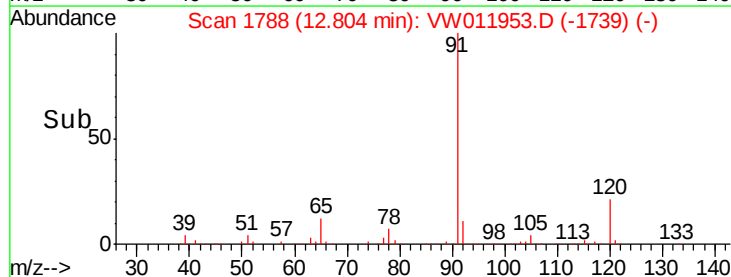
91 100

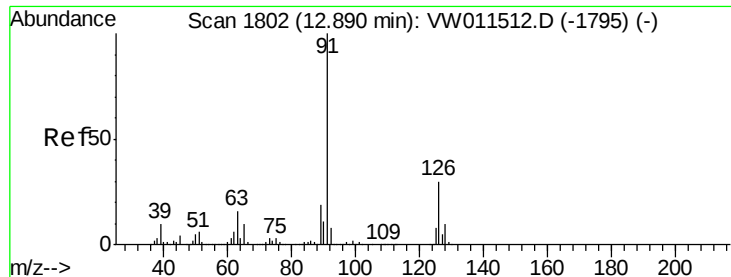
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.361 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

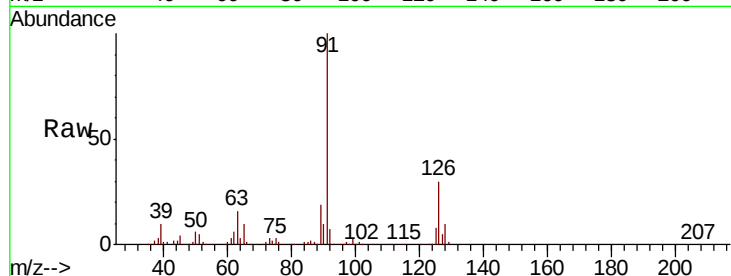
VW0817SBS01

Tgt Ion: 91 Resp: 176787

Ion Ratio Lower Upper

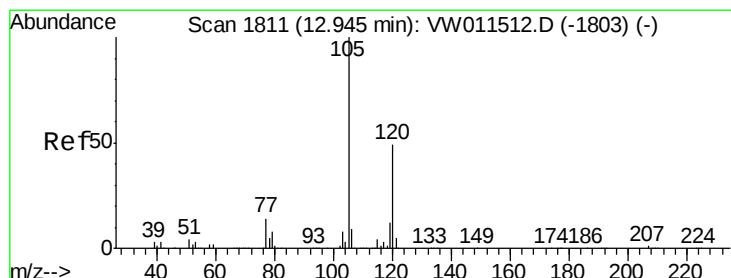
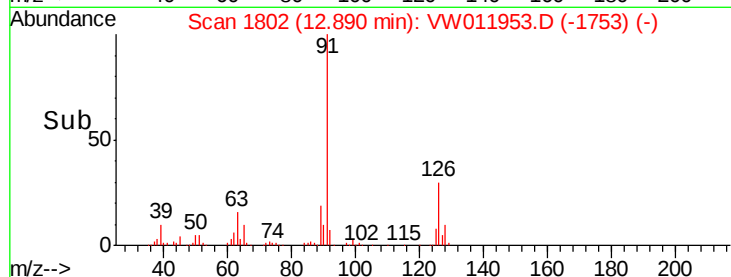
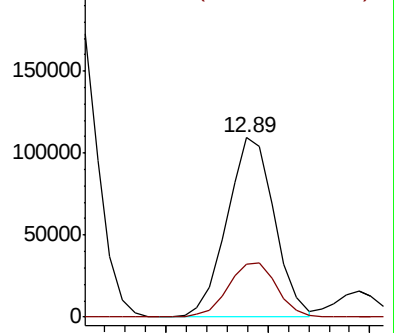
91 100

126 31.3 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.919 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011953.D

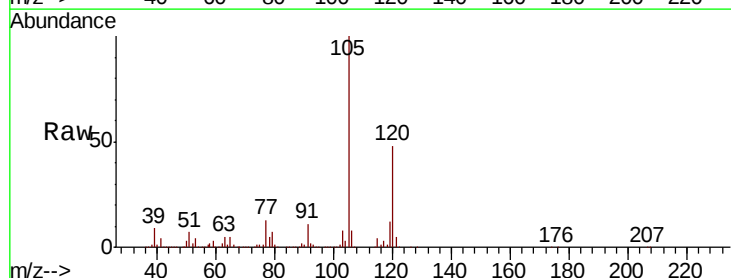
Acq: 16 Aug 2019 10:08

Tgt Ion: 105 Resp: 216885

Ion Ratio Lower Upper

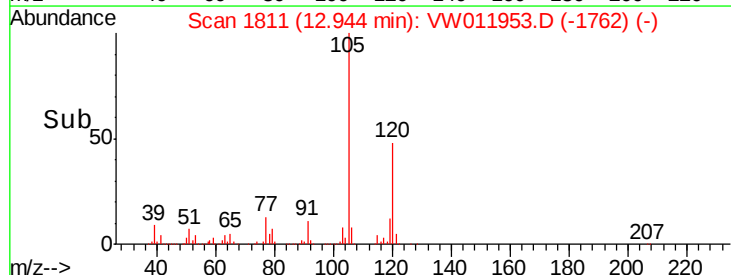
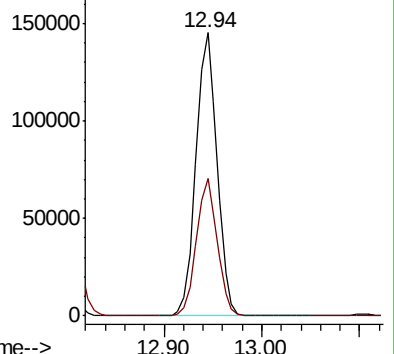
105 100

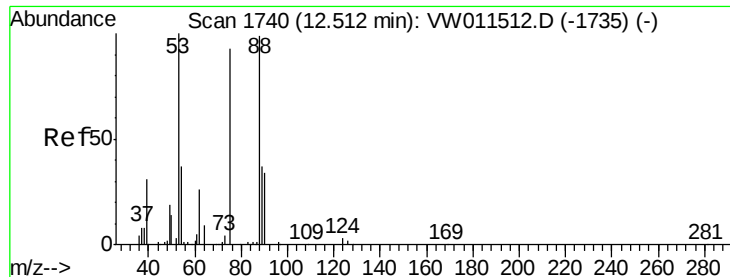
120 47.8 24.1 72.3



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: 21.346 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

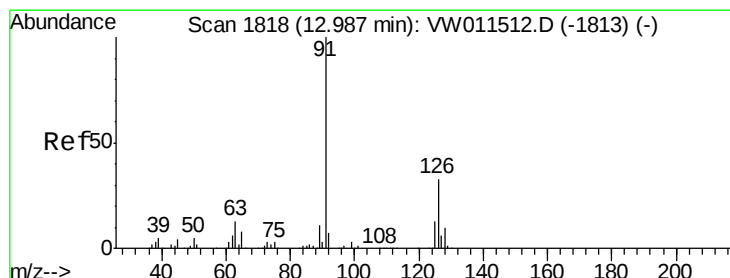
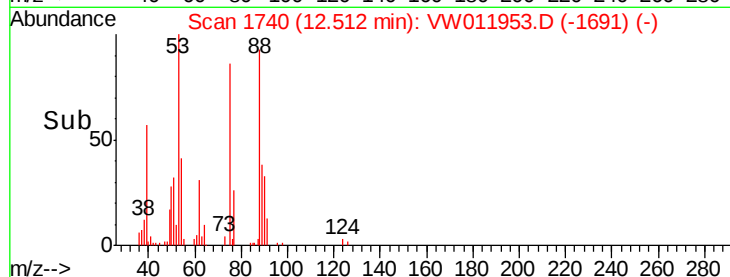
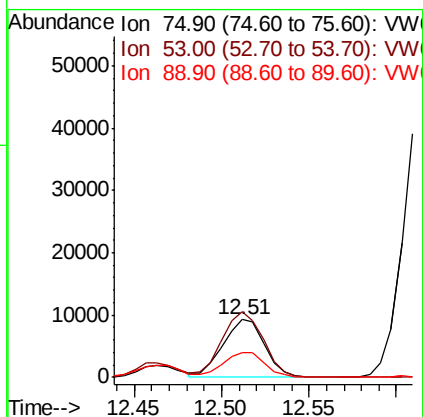
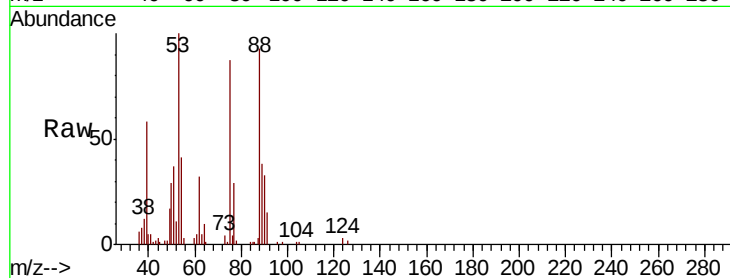
Tgt Ion: 75 Resp: 15507

Ion Ratio Lower Upper

75 100

53 112.7 88.0 132.0

89 42.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.322 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011953.D

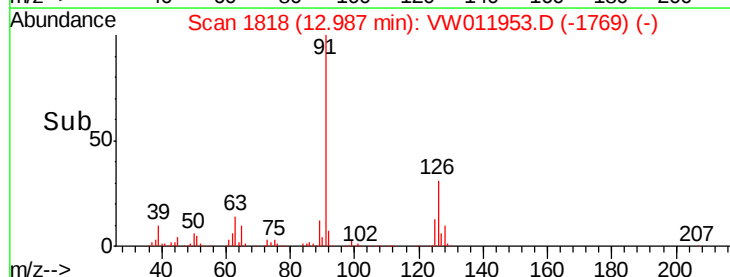
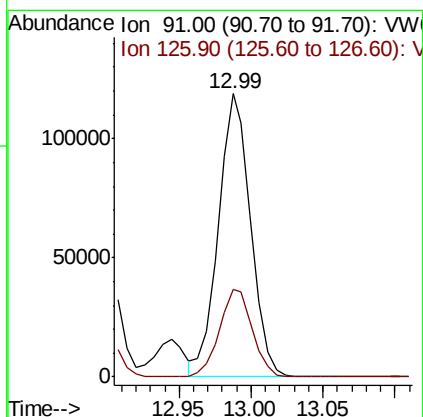
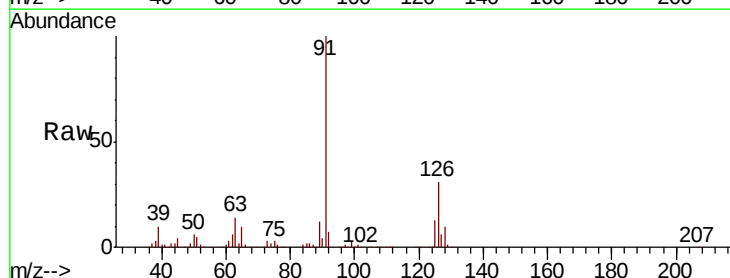
Acq: 16 Aug 2019 10:08

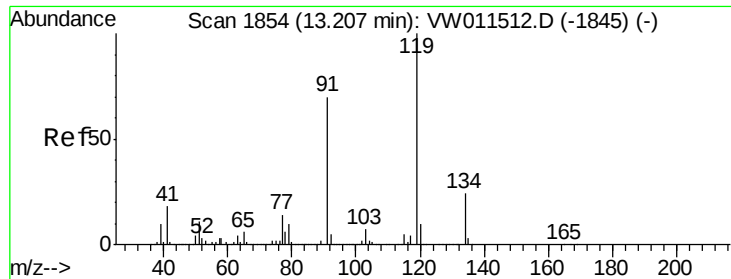
Tgt Ion: 91 Resp: 185140

Ion Ratio Lower Upper

91 100

126 31.7 15.6 46.8

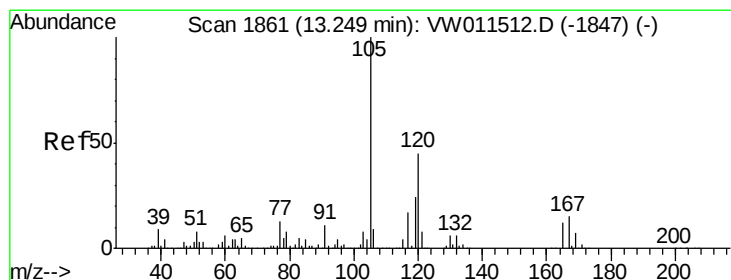
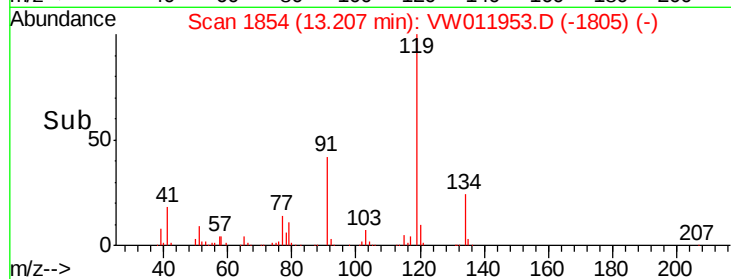
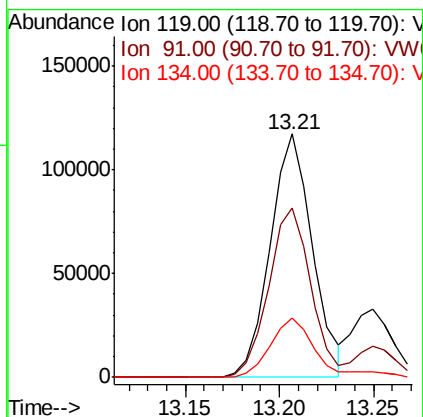
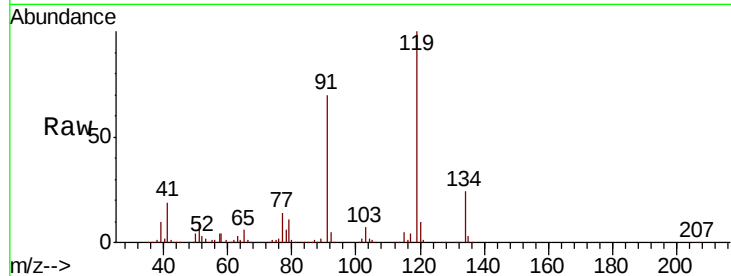




#83
 tert-Butylbenzene
 Concen: 22.067 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

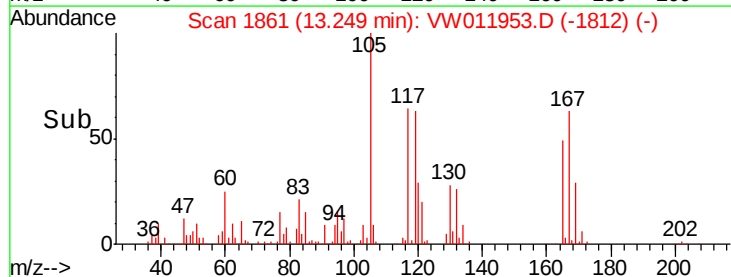
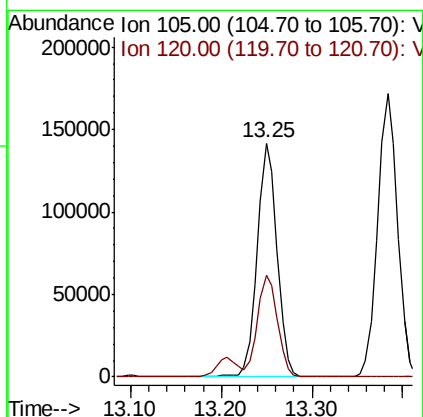
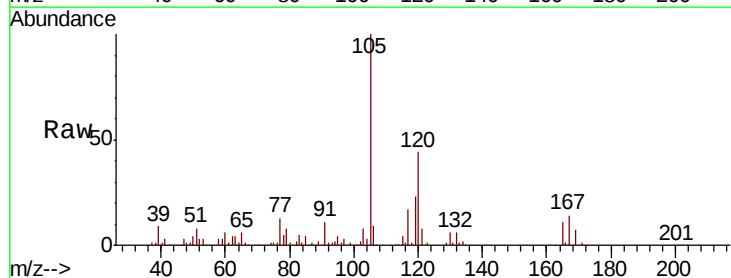
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

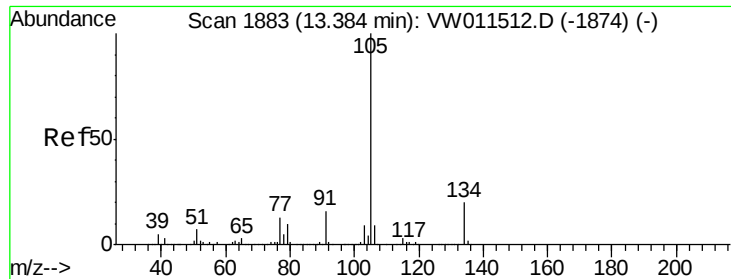
Tgt Ion:119 Resp: 182589
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.5 103.6
 134 24.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.522 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion:105 Resp: 214518
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.5

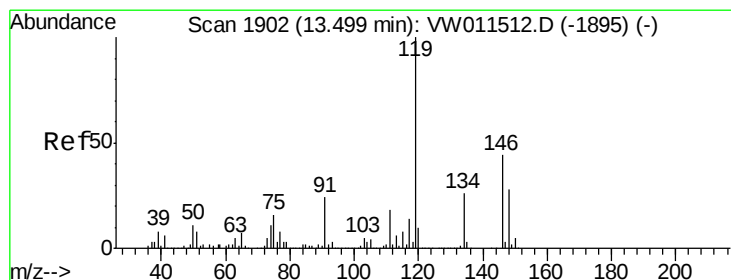
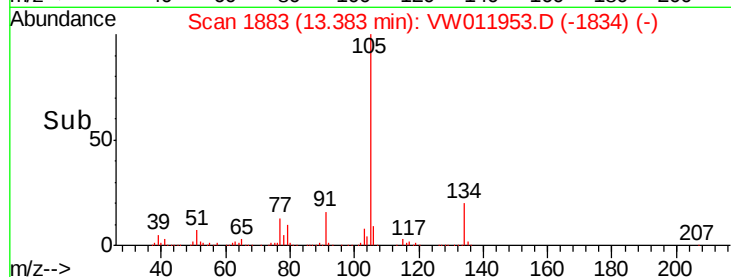
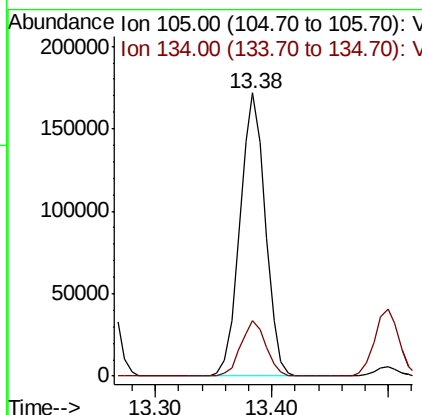
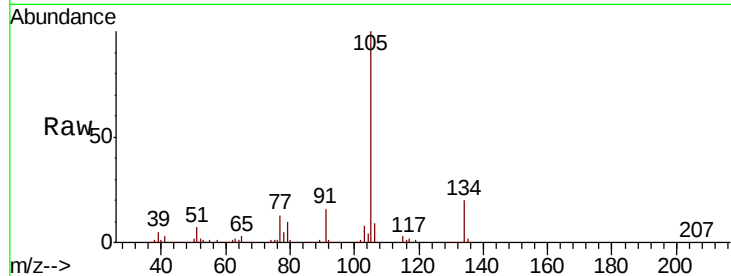




#85
 sec-Butylbenzene
 Concen: 22.055 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

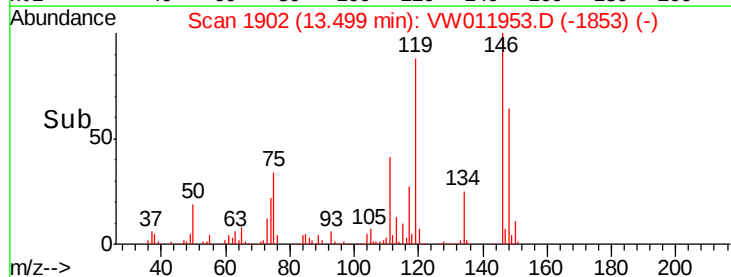
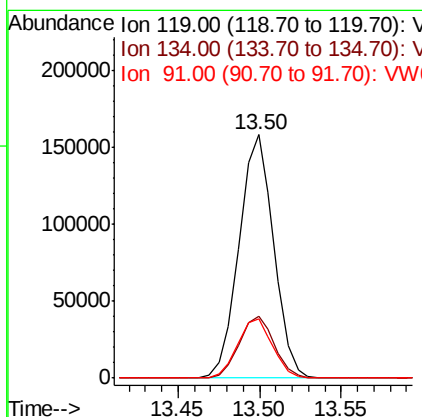
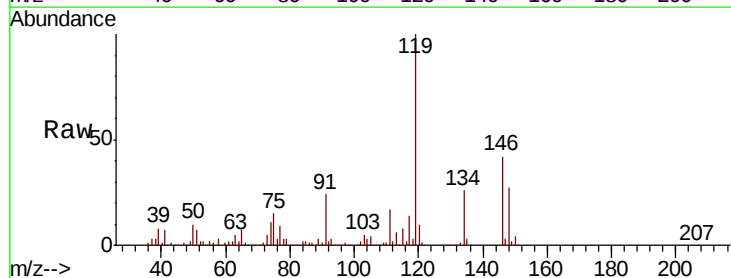
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

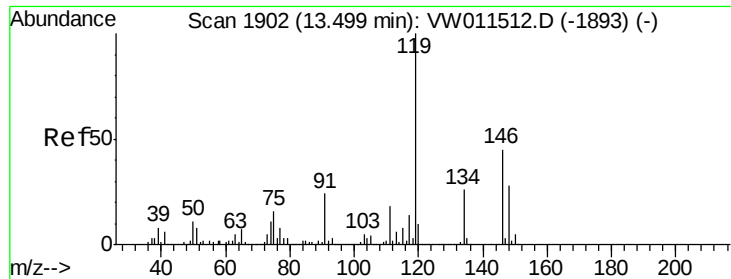
Tgt Ion:105 Resp: 260386
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.741 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion:119 Resp: 232894
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 24.4 12.1 36.3

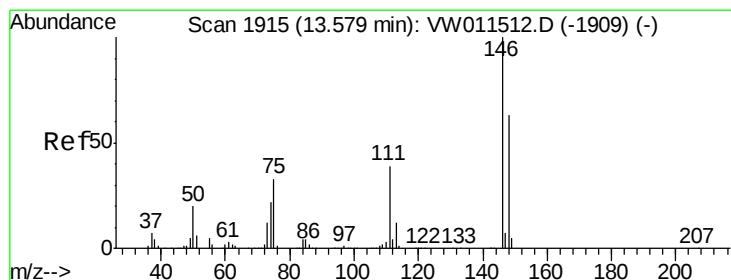
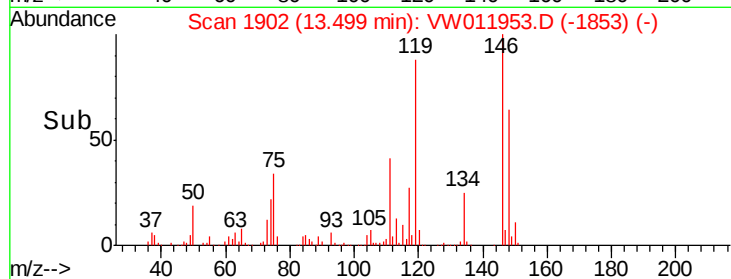
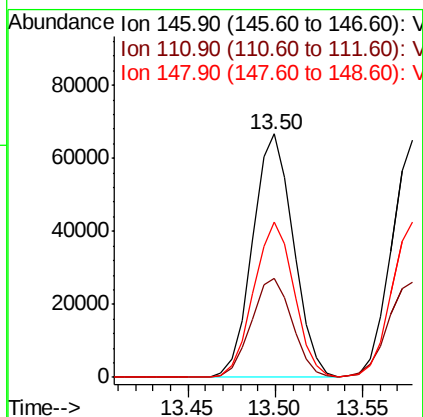
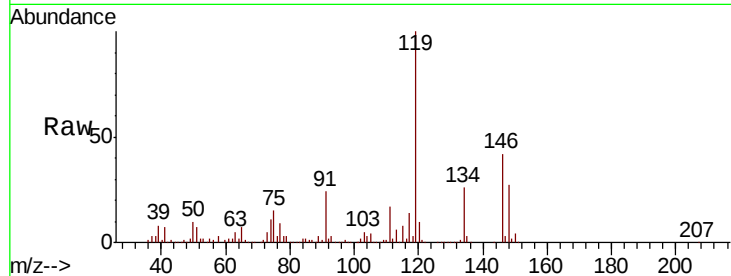




#87
 1,3-Dichlorobenzene
 Concen: 21.104 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

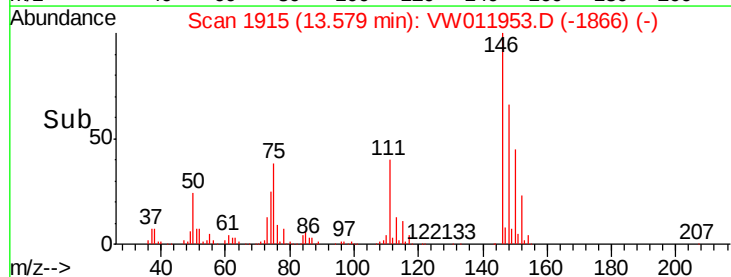
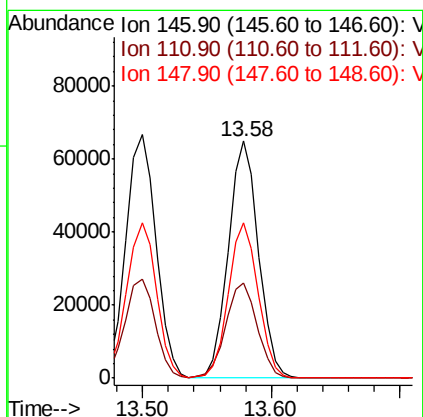
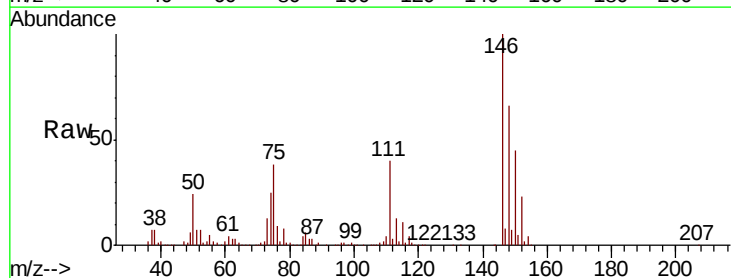
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

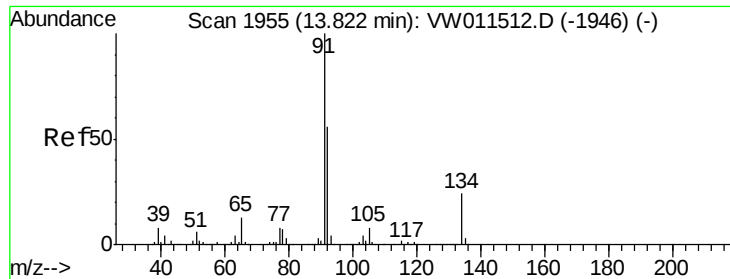
Tgt Ion:146 Resp: 107963
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.5 61.6
 148 63.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.795 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion:146 Resp: 105823
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.1 60.2
 148 64.9 31.9 95.9





#89

n-Butylbenzene

Concen: 21.845 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

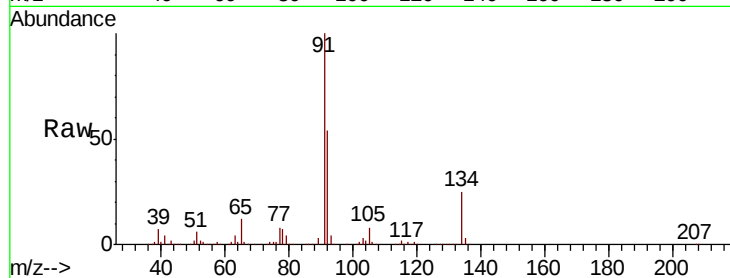
Tgt Ion: 91 Resp: 233526

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

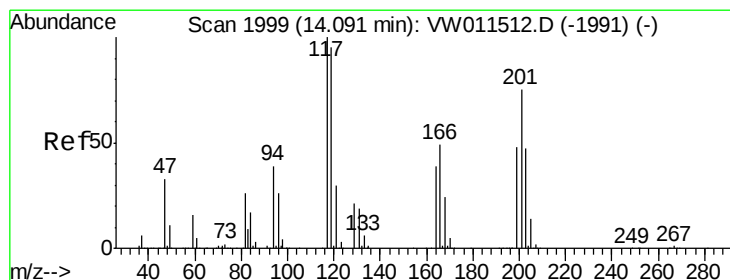
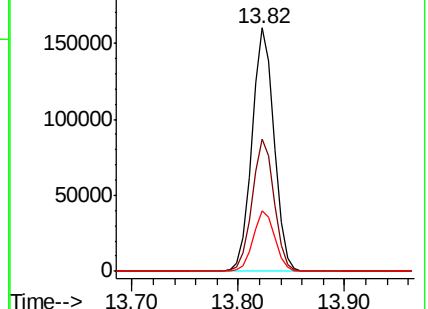
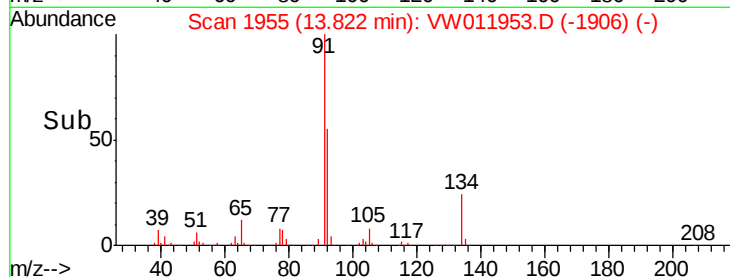
134 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.958 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011953.D

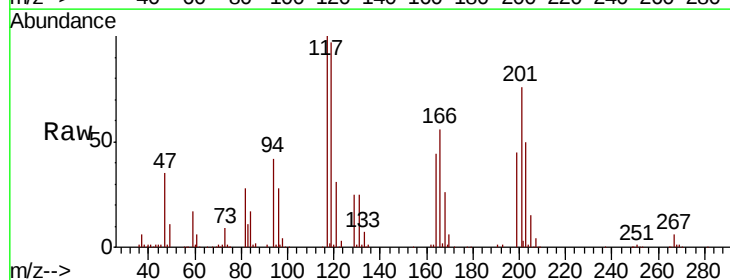
Acq: 16 Aug 2019 10:08

Tgt Ion: 117 Resp: 39699

Ion Ratio Lower Upper

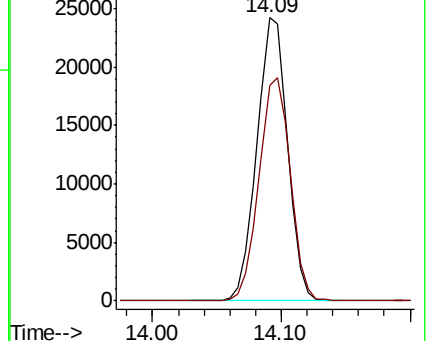
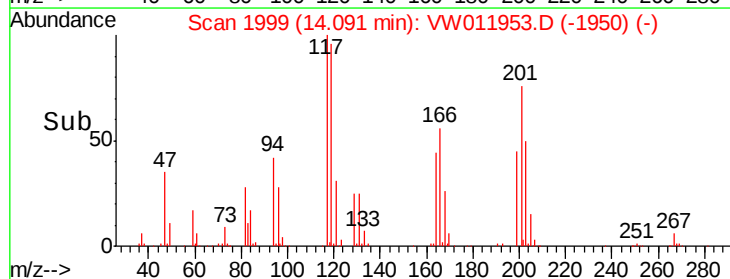
117 100

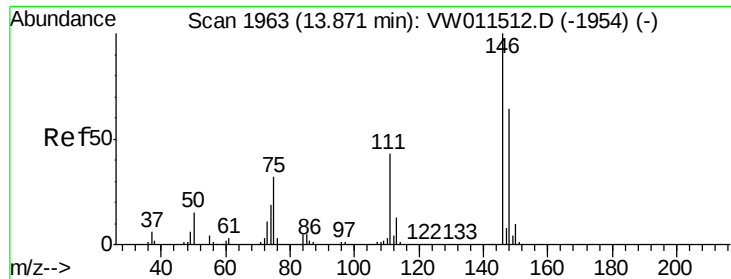
201 80.6 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

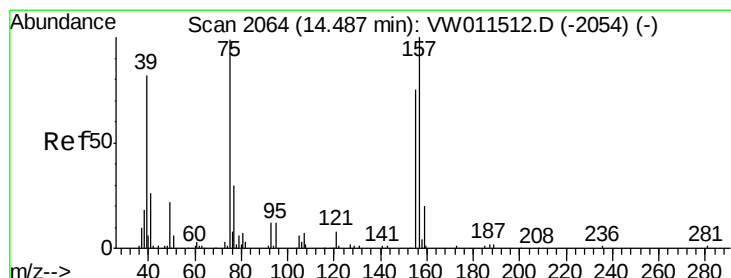
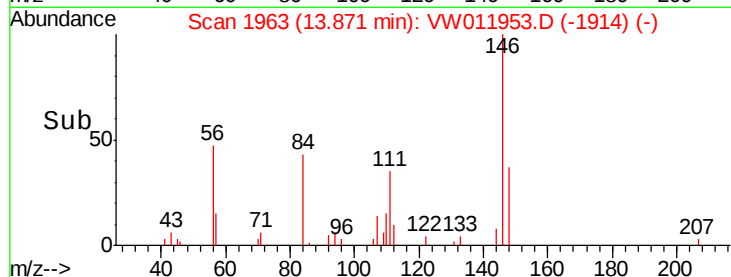
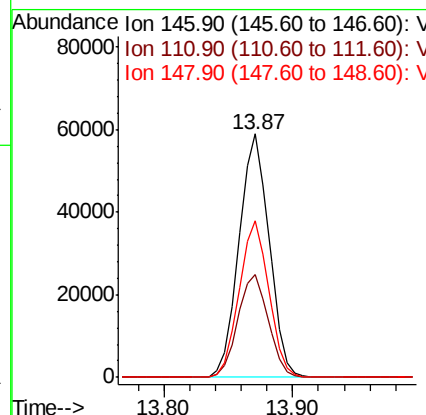
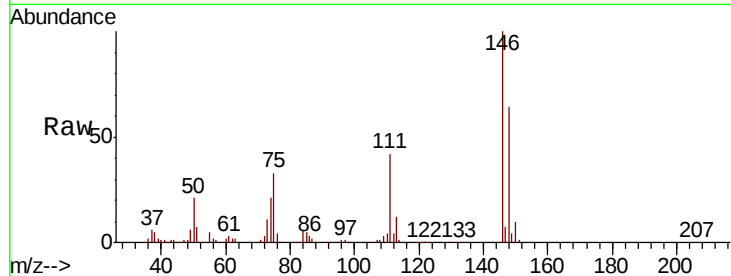




#91
 1,2-Dichlorobenzene
 Concen: 21.132 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

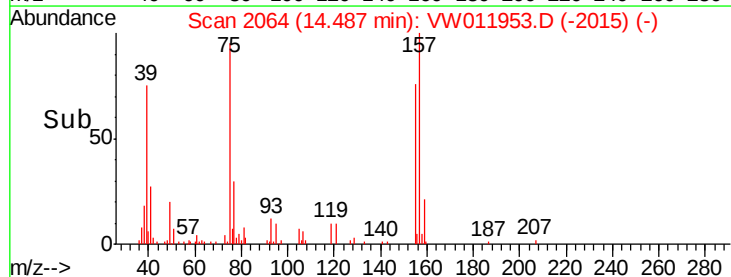
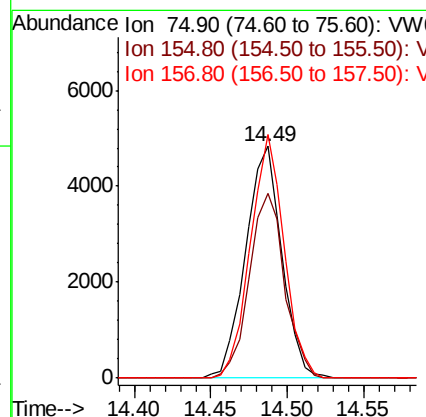
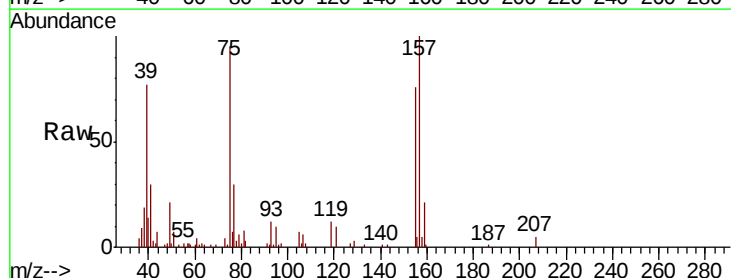
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

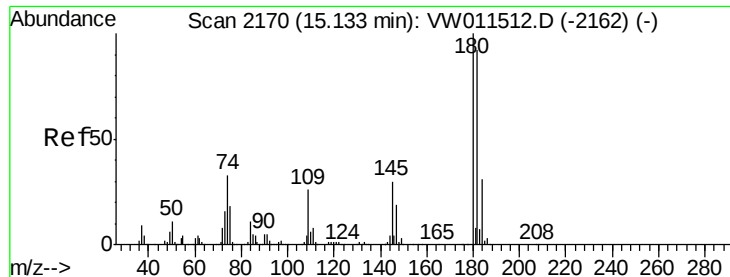
Tgt Ion:146 Resp: 95614
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.6 65.0
 148 63.2 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.955 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 75 Resp: 7934
 Ion Ratio Lower Upper
 75 100
 155 78.0 38.2 114.6
 157 97.8 48.9 146.7

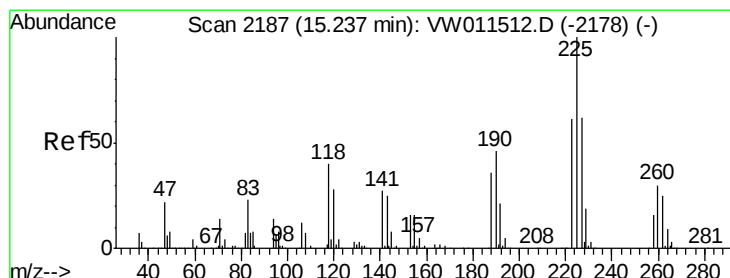
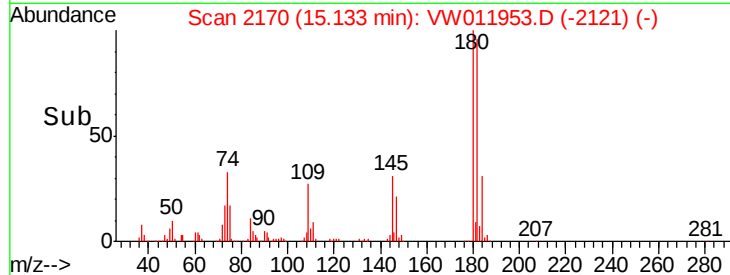
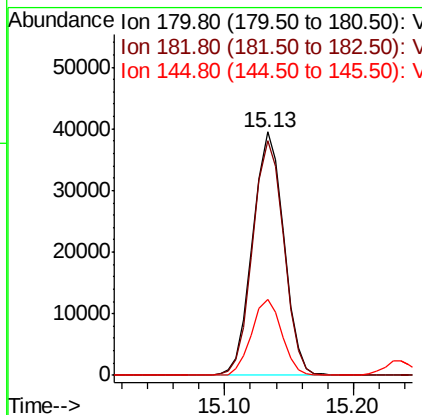
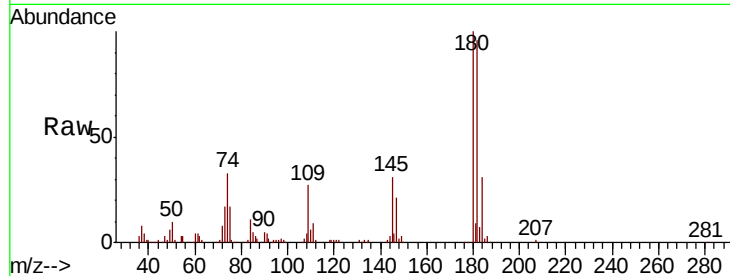




#93
 1,2,4-Trichlorobenzene
 Concen: 20.661 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

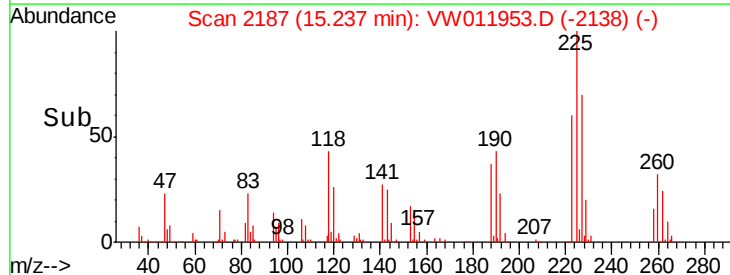
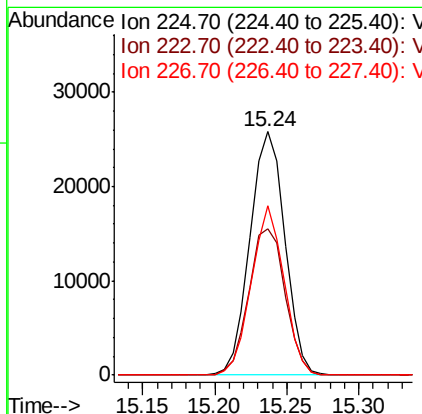
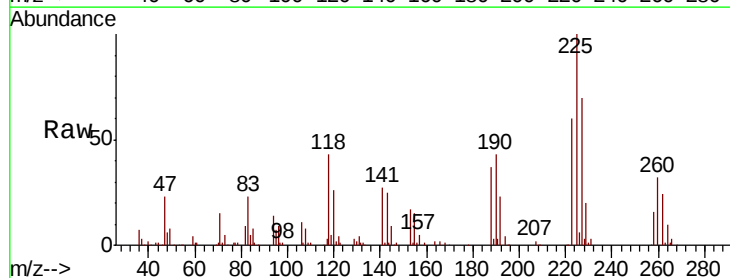
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

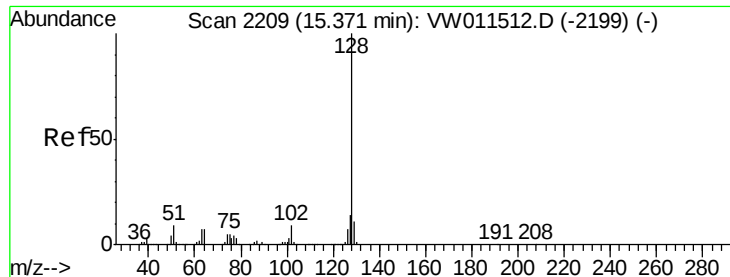
Tgt Ion:180 Resp: 65883
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.4 142.2
 145 30.2 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 21.751 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion:225 Resp: 43255
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.8 92.3
 227 65.2 31.6 94.7





#95

Naphthalene

Concen: 19.600 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

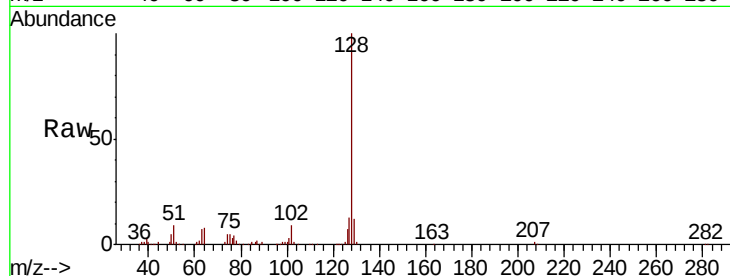
Tgt Ion:128 Resp: 114245

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

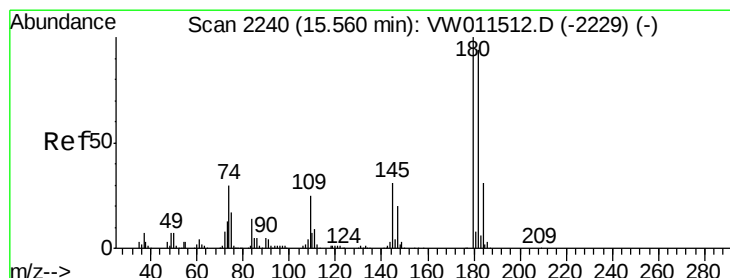
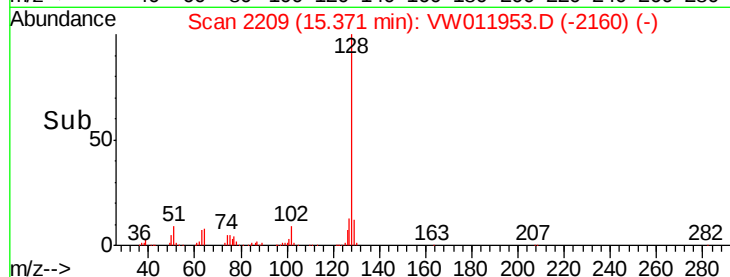
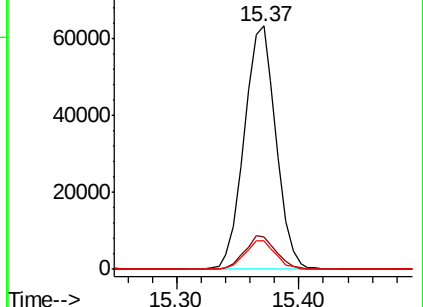
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.418 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

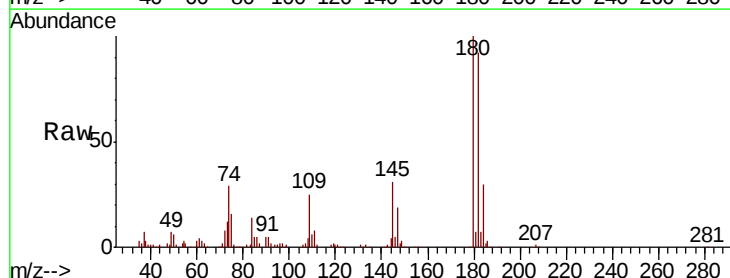
Tgt Ion:180 Resp: 57073

Ion Ratio Lower Upper

180 100

182 95.6 47.4 142.2

145 32.5 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

