

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011846.D
 Acq On : 12 Aug 2019 12:41
 Operator : SY/VA
 Sample : VW0812SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:45:15 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	211929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	135388	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
35) Dibromofluoromethane	7.88	113	106873	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
50) Toluene-d8	10.32	98	435078	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.62	95	152721	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25830	21.869	ug/l	83
3) Chloromethane	2.21	50	42581	20.791	ug/l	98
4) Vinyl Chloride	2.36	62	53365	21.643	ug/l	99
5) Bromomethane	2.76	94	23706	17.369	ug/l	97
6) Chloroethane	2.91	64	28416	20.175	ug/l	96
7) Trichlorofluoromethane	3.25	101	27323	24.795	ug/l	100
8) Diethyl Ether	3.68	74	26173	20.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46202	22.102	ug/l	100
10) Methyl Iodide	4.27	142	60480	20.473	ug/l	98
11) Tert butyl alcohol	5.18	59	17379	84.999	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	46427	21.035	ug/l	98
13) Acrolein	3.89	56	14406	82.502	ug/l	97
14) Allyl chloride	4.66	41	97997	20.875	ug/l	98
15) Acrylonitrile	5.37	53	67093	107.573	ug/l	99
16) Acetone	4.12	43	68208	88.112	ug/l	99
17) Carbon Disulfide	4.38	76	137600	19.919	ug/l	100
18) Methyl Acetate	4.67	43	39243	22.566	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	76048	21.713	ug/l	94
20) Methylene Chloride	4.91	84	52727	19.750	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	50750	21.327	ug/l	98
22) Diisopropyl ether	6.31	45	186954	21.123	ug/l	99
23) Vinyl Acetate	6.25	43	586587	105.476	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100651	21.234	ug/l	99
25) 2-Butanone	7.17	43	100421	99.139	ug/l	99
26) 2,2-Dichloropropane	7.17	77	57335	19.668	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	53973	20.609	ug/l	99
28) Bromochloromethane	7.51	49	47465	22.560	ug/l #	100
29) Tetrahydrofuran	7.53	42	63899	110.361	ug/l	98
30) Chloroform	7.67	83	93050	21.278	ug/l	97
31) Cyclohexane	7.95	56	97801	21.494	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74148	22.264	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77806	22.207	ug/l	99
37) Ethyl Acetate	7.25	43	44001	21.829	ug/l	98
38) Carbon Tetrachloride	8.07	117	66872	22.296	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86037	22.302	ug/l	96
40) Benzene	8.32	78	212084	21.611	ug/l	98
41) Methacrylonitrile	7.48	41	25873	21.472	ug/l	99
42) 1,2-Dichloroethane	8.40	62	68120	22.170	ug/l	99
43) Isopropyl Acetate	8.42	43	81563	22.002	ug/l	100
44) Trichloroethene	9.09	130	51592	21.873	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57197	21.782	ug/l	99
46) Dibromomethane	9.46	93	25895	21.606	ug/l	98
47) Bromodichloromethane	9.65	83	67850	21.582	ug/l	100
48) Methyl methacrylate	9.43	41	37798	21.226	ug/l	98
49) 1,4-Dioxane	9.46	88	7191	414.387	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	211802	109.843	ug/l	100
52) Toluene	10.39	92	127576	21.526	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69569	21.184	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	82363	21.093	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37306	21.939	ug/l	98
56) Ethyl methacrylate	10.65	69	52942	21.276	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69896	21.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	134458	119.010	ug/l	100
59) 2-Hexanone	10.97	43	147699	108.486	ug/l	100
60) Dibromochloromethane	11.13	129	40250	21.324	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34637	21.524	ug/l	100
64) Tetrachloroethene	10.86	164	42186	22.097	ug/l	98
65) Chlorobenzene	11.66	112	126740	21.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	44294	21.572	ug/l	99
67) Ethyl Benzene	11.73	91	244277	21.758	ug/l	100
68) m/p-Xylenes	11.84	106	178185	43.642	ug/l	99
69) o-Xylene	12.16	106	81338	21.438	ug/l	99
70) Styrene	12.18	104	140889	21.477	ug/l	100
71) Bromoform	12.35	173	22602	21.589	ug/l	99
73) Isopropylbenzene	12.46	105	230680	21.472	ug/l	99
74) N-amyl acetate	12.27	43	71620	21.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44575	22.058	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	58824	38.604	ug/l #	100
77) Bromobenzene	12.74	156	51098	21.519	ug/l	99
78) n-propylbenzene	12.80	91	285672	21.849	ug/l	99
79) 2-Chlorotoluene	12.89	91	159481	21.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	197225	21.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14369	21.733	ug/l	98
82) 4-Chlorotoluene	12.99	91	171196	21.662	ug/l	100
83) tert-Butylbenzene	13.21	119	164333	21.821	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	195164	21.513	ug/l	98
85) sec-Butylbenzene	13.38	105	236466	22.006	ug/l	100
86) p-Isopropyltoluene	13.50	119	211025	21.644	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	99370	21.342	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	98830	21.338	ug/l	99
89) n-Butylbenzene	13.82	91	209684	21.551	ug/l	99
90) Hexachloroethane	14.09	117	36601	21.230	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	88472	21.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7636	22.159	ug/l	98

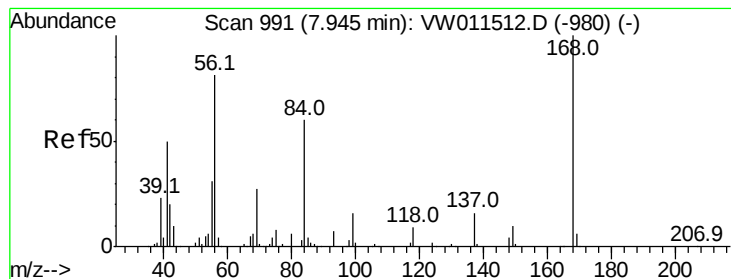
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59598	20.535	ug/l	99
94) Hexachlorobutadiene	15.24	225	39513	21.831	ug/l	97
95) Naphthalene	15.36	128	105935	19.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52302	20.559	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: VW011846.D

Acq: 12 Aug 2019 12:41

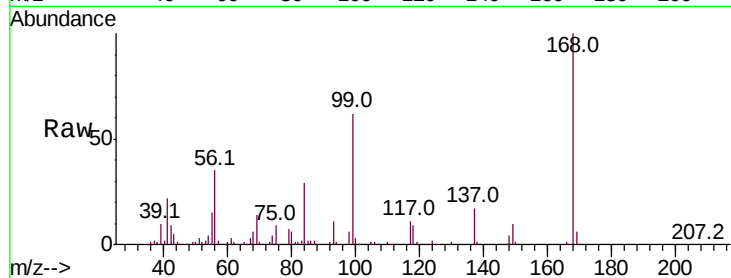
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 211929

Ion Ratio Lower Upper

168 100

99 62.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

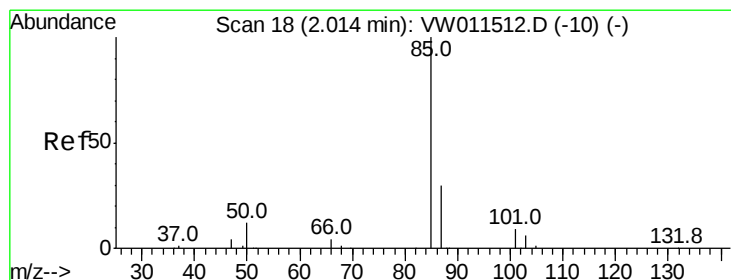
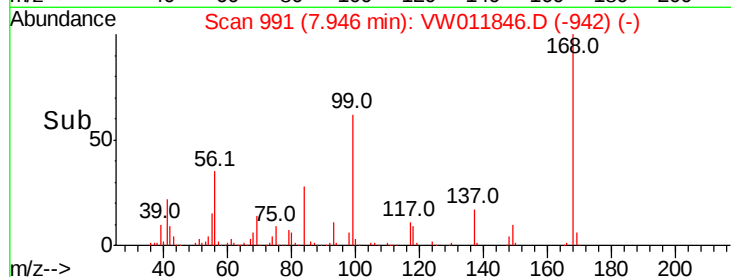
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.869 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011846.D

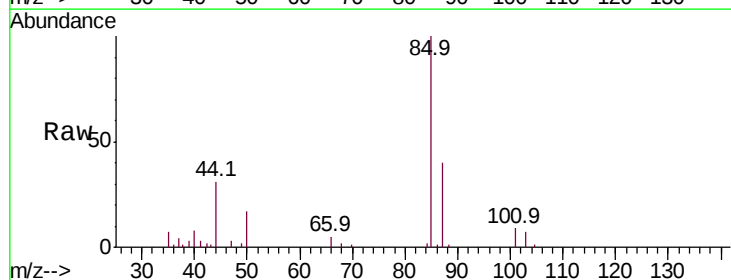
Acq: 12 Aug 2019 12:41

Tgt Ion: 85 Resp: 25830

Ion Ratio Lower Upper

85 100

87 39.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

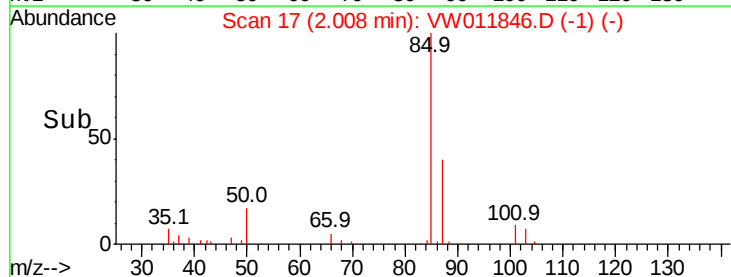
4000

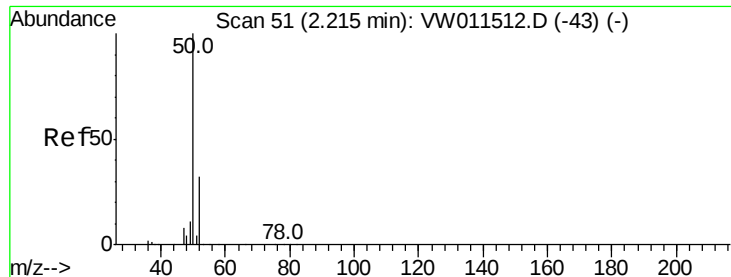
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.791 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

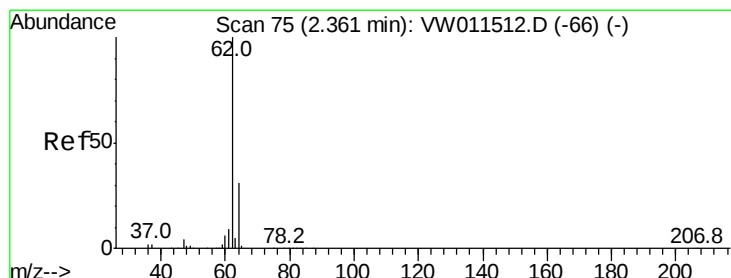
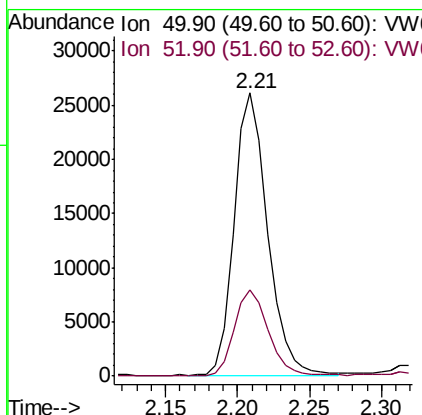
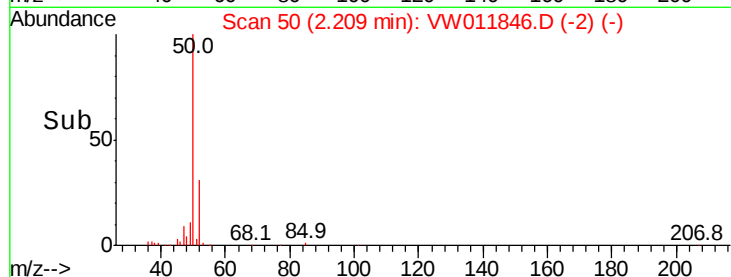
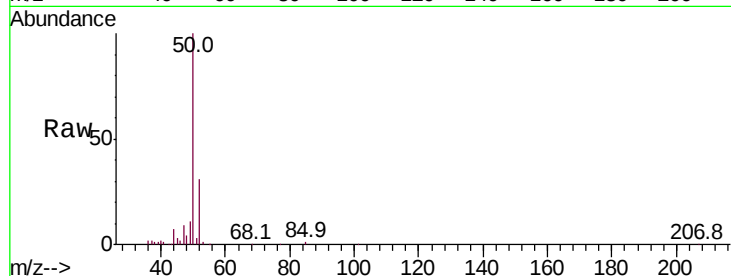
ClientSampleId :

Tot Ion: 50 Resp: 42581

Ion Ratio Lower Upper

50 100

52 30.7 25.4 38.2



#4

Vinyl Chloride

Concen: 21.643 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011846.D

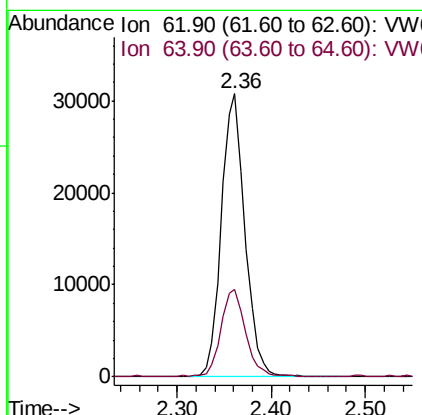
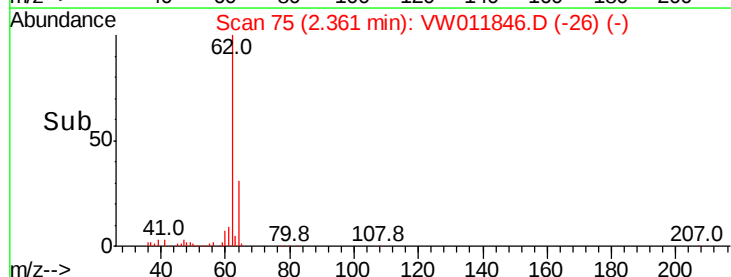
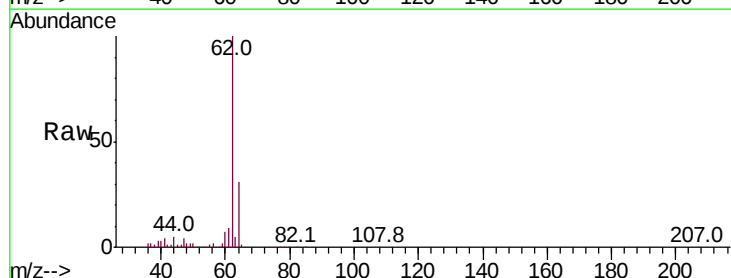
Acq: 12 Aug 2019 12:41

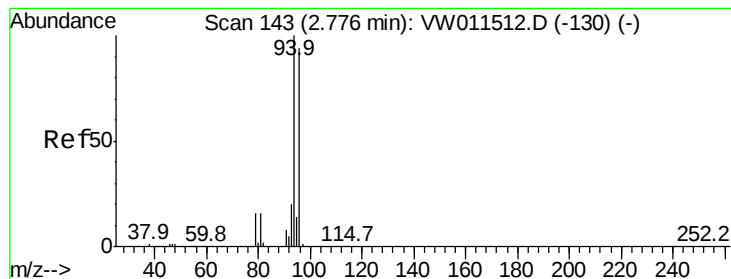
Tgt Ion: 62 Resp: 53365

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4





#5

Bromomethane

Concen: 17.369 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

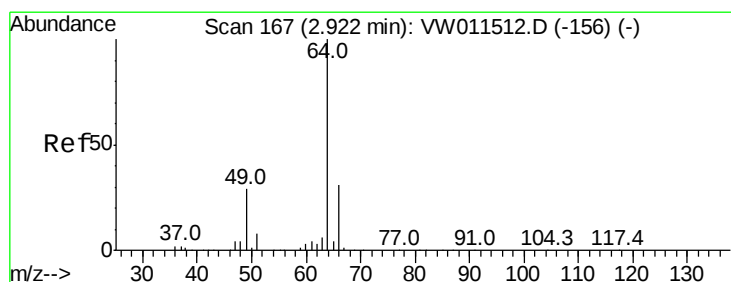
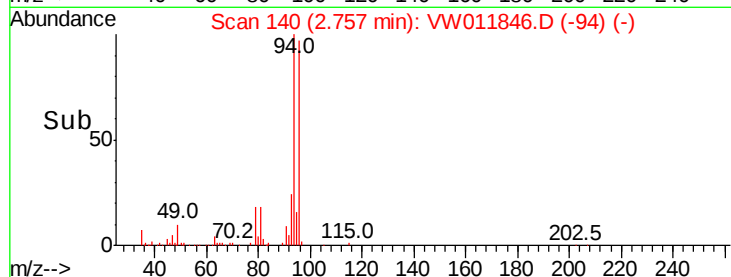
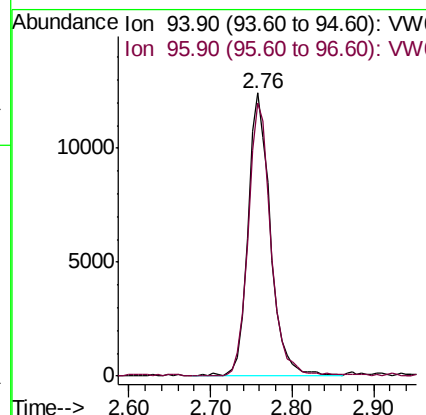
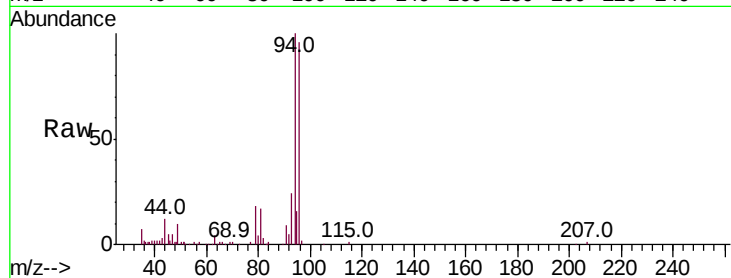
ClientSampleId :

Tot Ion: 94 Resp: 23706

Ion Ratio Lower Upper

94 100

96 96.3 75.0 112.6



#6

Chloroethane

Concen: 20.175 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011846.D

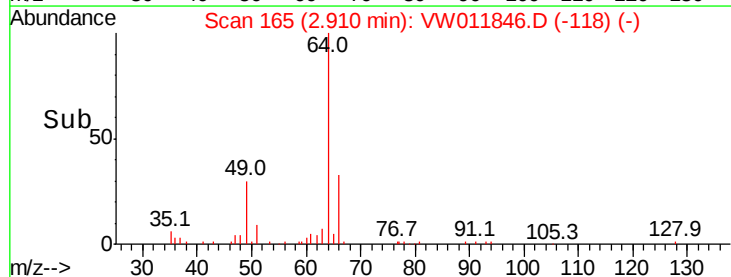
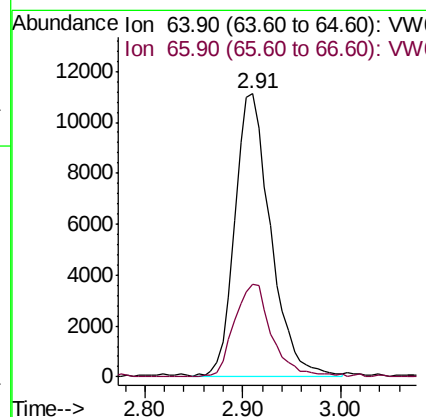
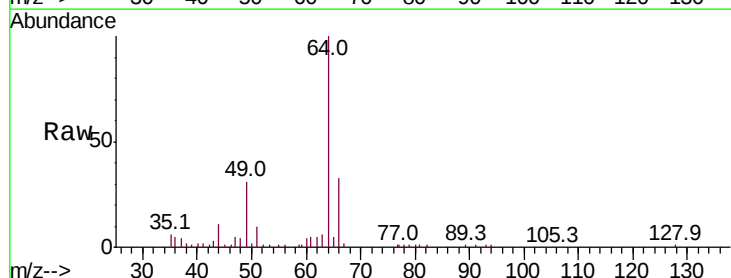
Acq: 12 Aug 2019 12:41

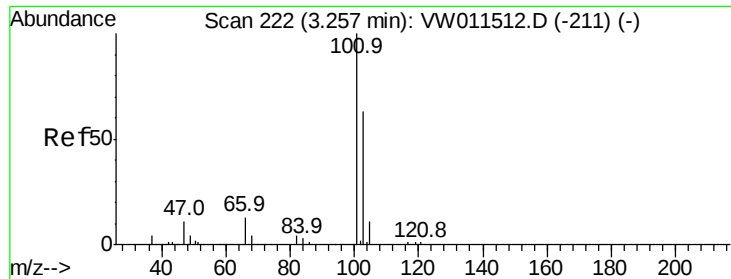
Tgt Ion: 64 Resp: 28416

Ion Ratio Lower Upper

64 100

66 32.9 24.6 36.8



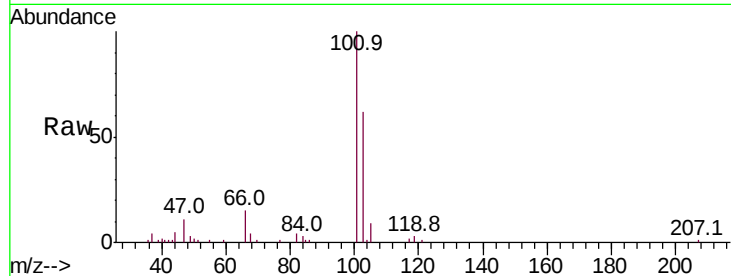


#7

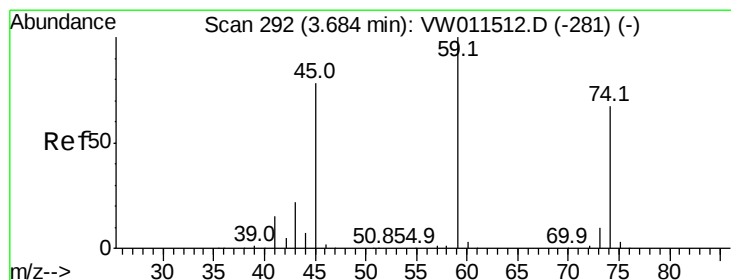
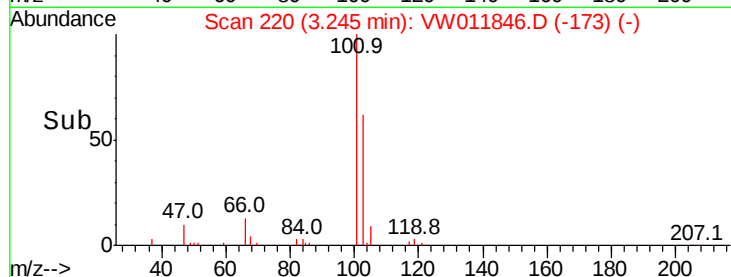
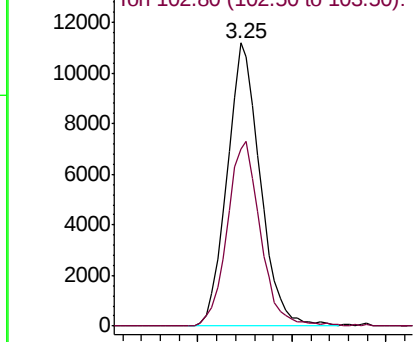
Trichlorofluoromethane
Concen: 24.795 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 27323
Ion Ratio Lower Upper
101 100
103 62.5 50.2 75.4



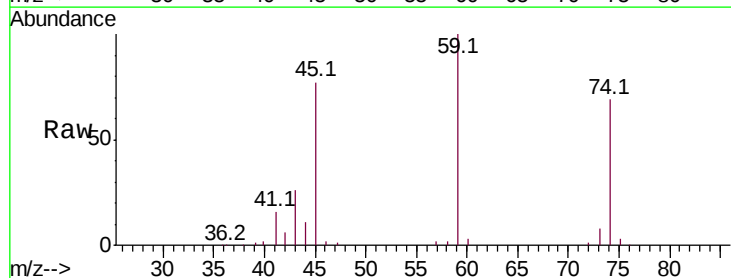
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



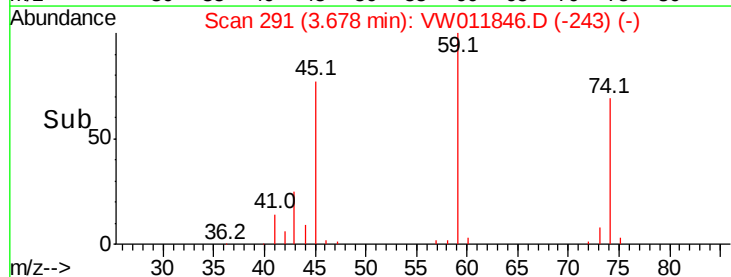
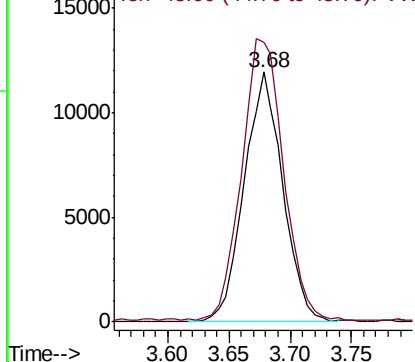
#8

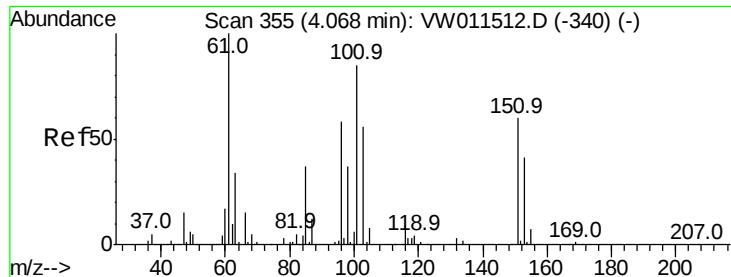
Diethyl Ether
Concen: 20.948 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion: 74 Resp: 26173
Ion Ratio Lower Upper
74 100
45 121.9 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.102 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

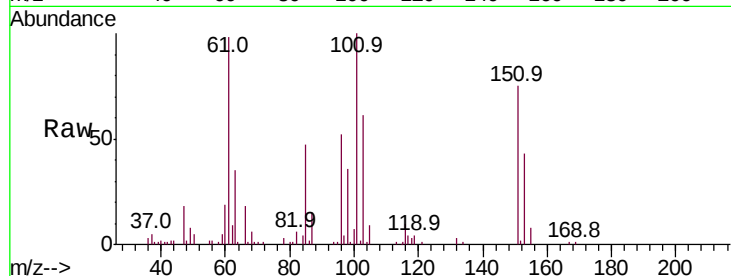
Tot Ion:101 Resp: 46202

Ion Ratio Lower Upper

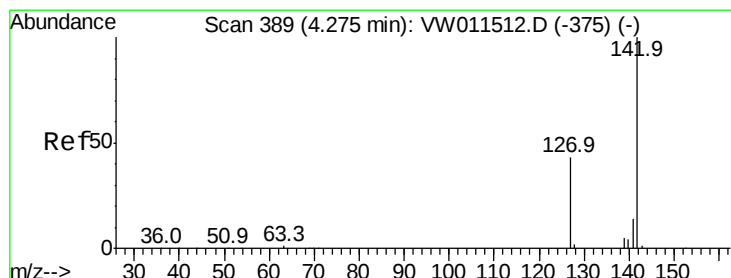
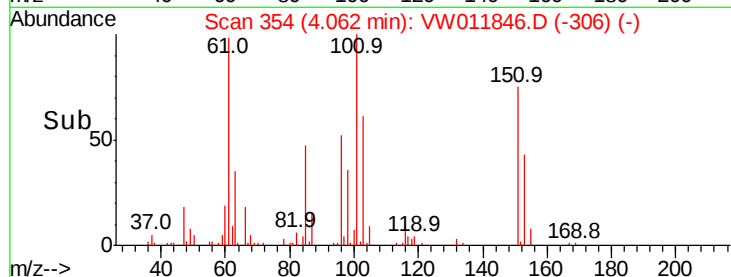
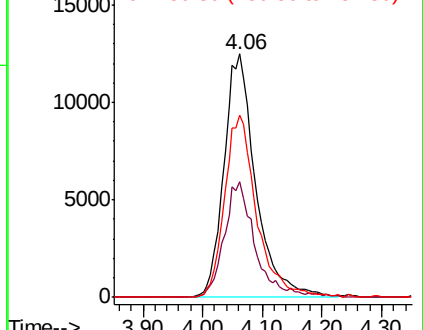
101 100

85 45.7 36.6 54.8

151 74.8 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: 20.473 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

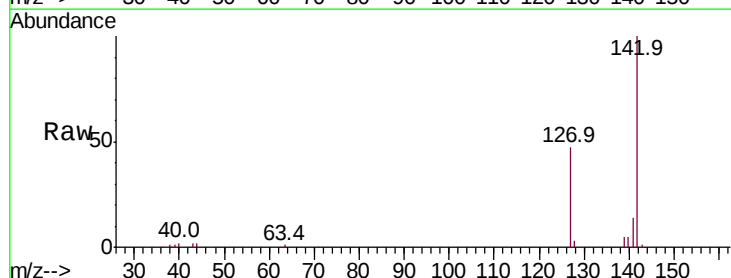
Tgt Ion:142 Resp: 60480

Ion Ratio Lower Upper

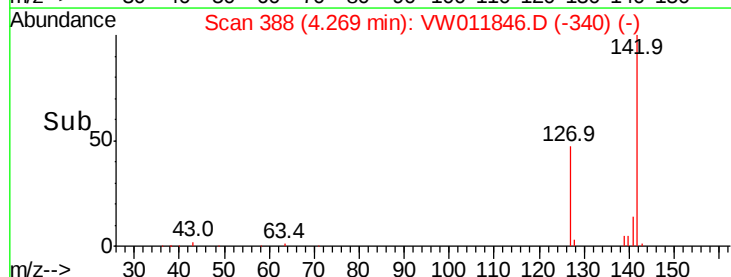
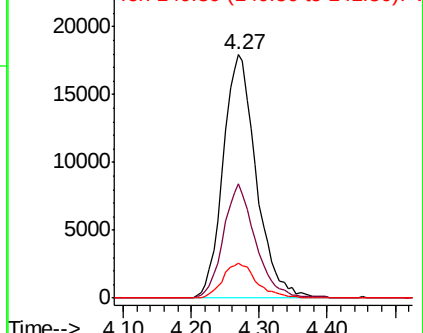
142 100

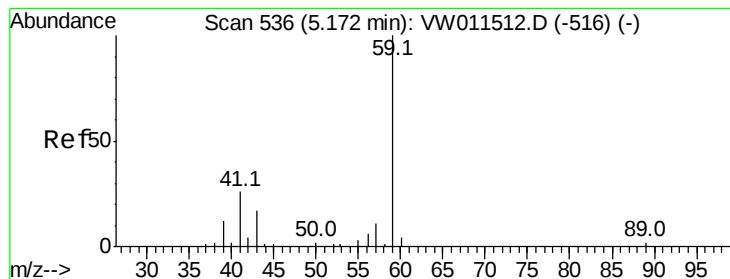
127 45.7 35.0 52.6

141 14.5 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



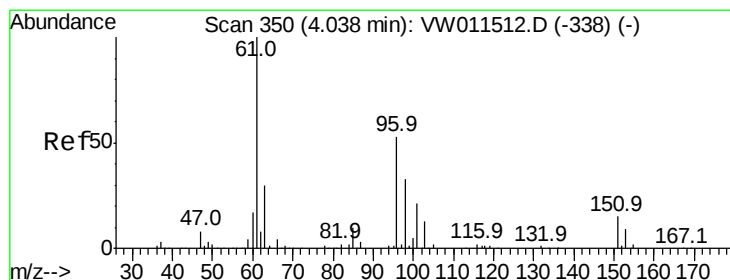
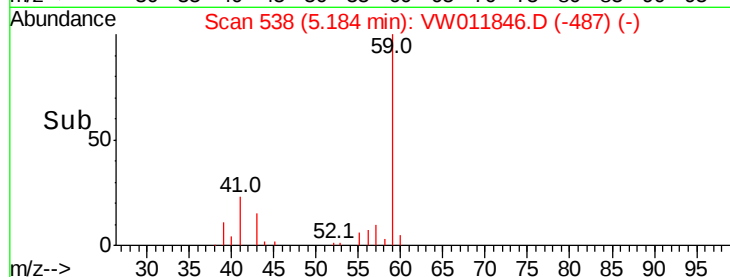
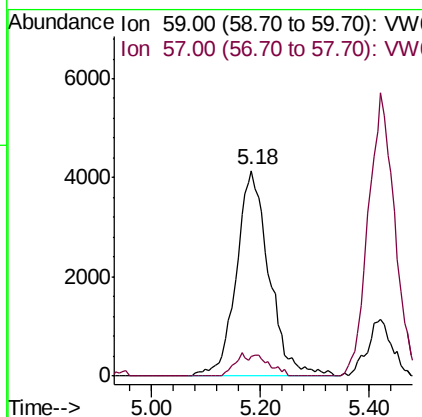
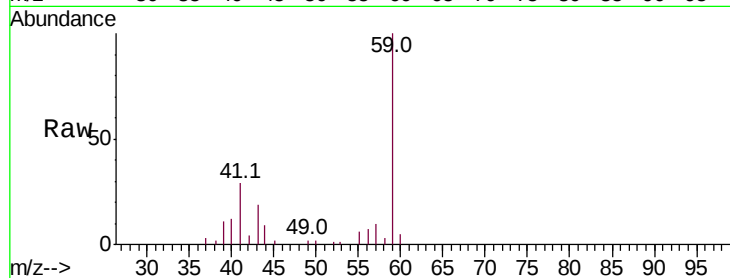


#11

Tert butyl alcohol
 Concen: 84.999 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :

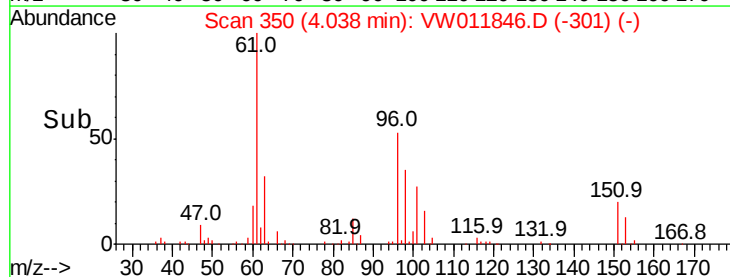
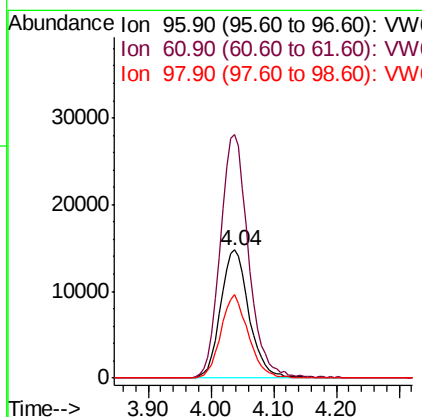
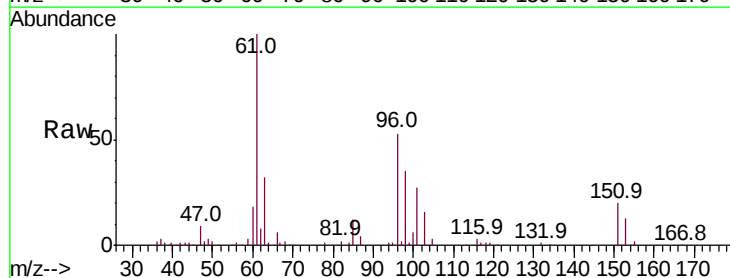
Tot Ion: 59 Resp: 17379
 Ion Ratio Lower Upper
 59 100
 57 4.6 8.5 12.7#

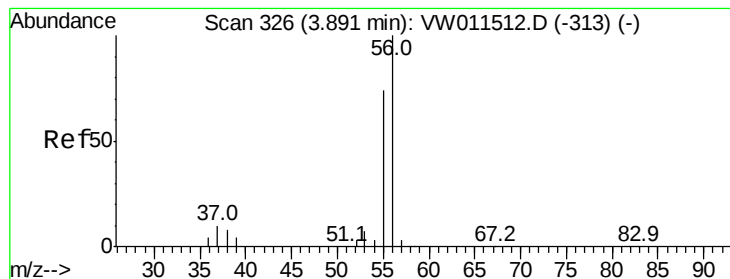


#12

1,1-Dichloroethene
 Concen: 21.035 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion: 96 Resp: 46427
 Ion Ratio Lower Upper
 96 100
 61 189.5 149.9 224.9
 98 65.5 49.1 73.7





#13

Acrolein

Concen: 82.502 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

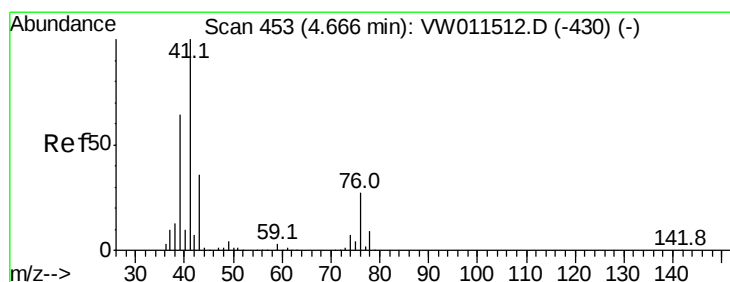
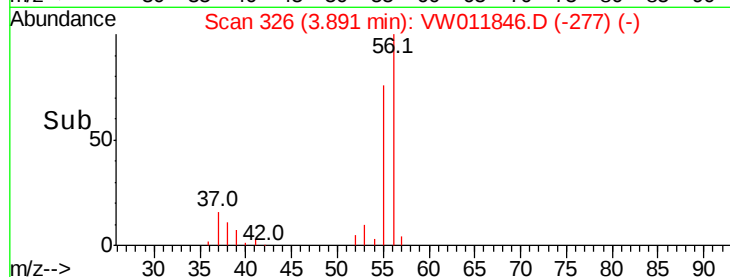
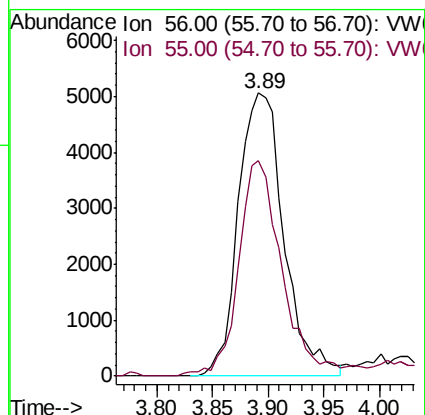
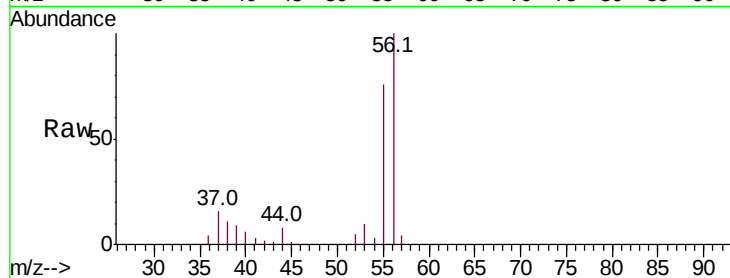
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 14406

Ion Ratio Lower Upper

56 100

55 72.3 56.0 84.0



#14

Allyl chloride

Concen: 20.875 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

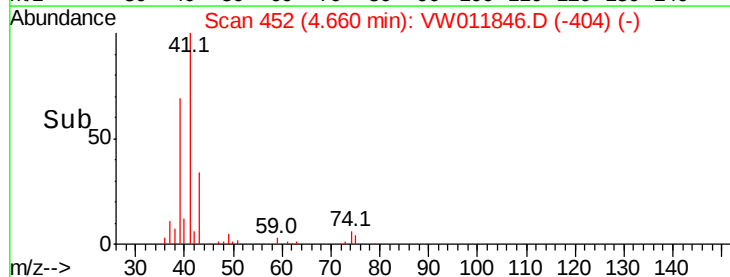
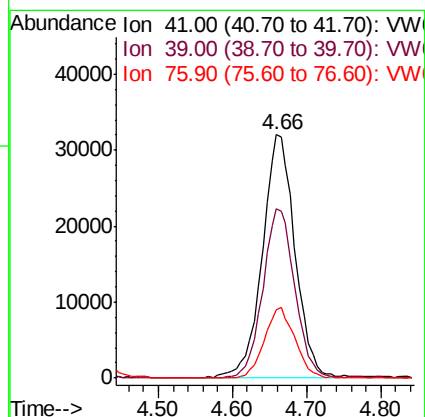
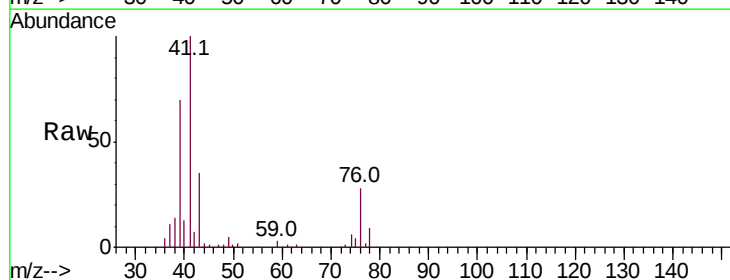
Tgt Ion: 41 Resp: 97997

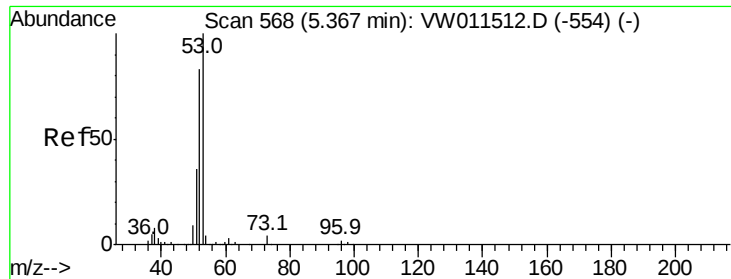
Ion Ratio Lower Upper

41 100

39 68.3 52.6 78.8

76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 107.573 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampled :

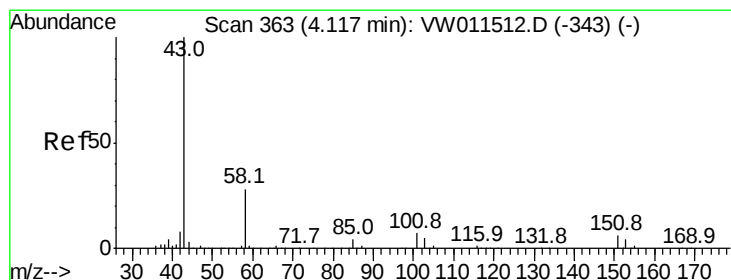
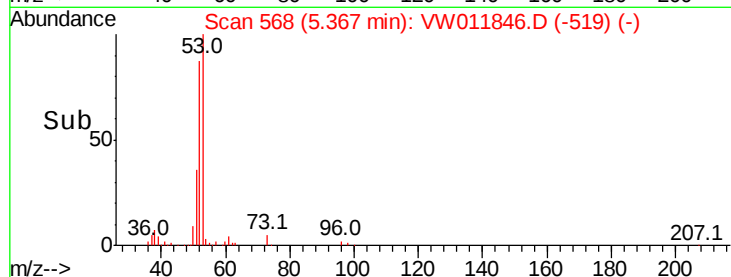
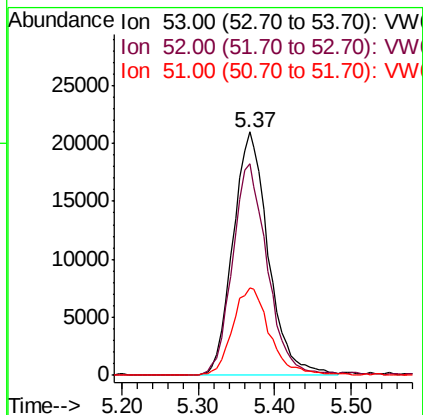
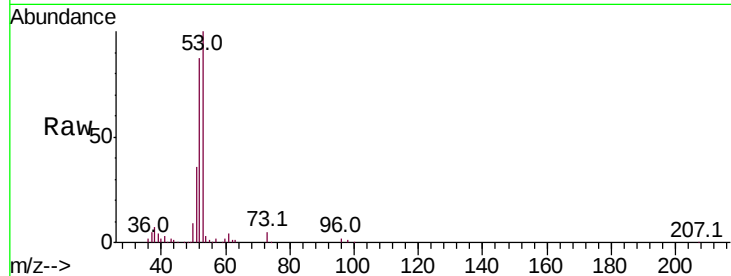
Tot Ion: 53 Resp: 67093

Ion Ratio Lower Upper

53 100

52 85.2 67.2 100.8

51 37.9 30.0 45.0



#16

Acetone

Concen: 88.112 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011846.D

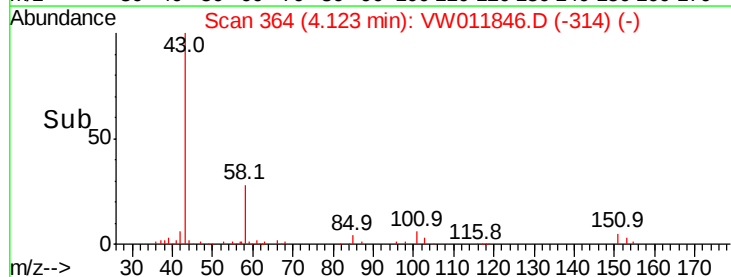
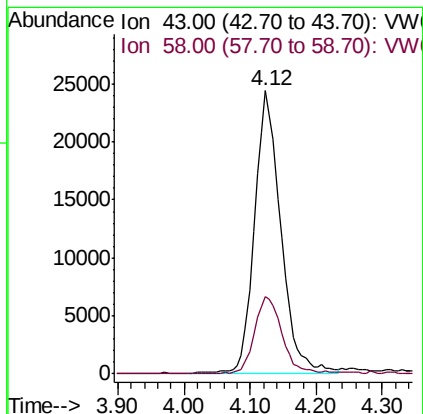
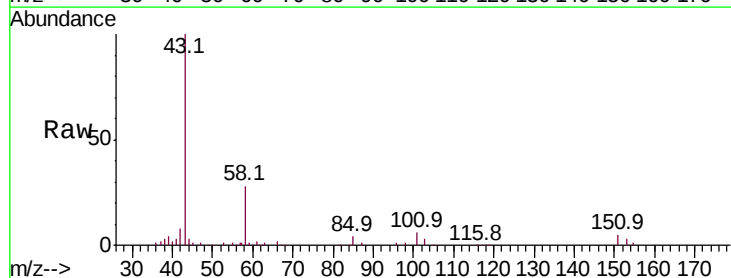
Acq: 12 Aug 2019 12:41

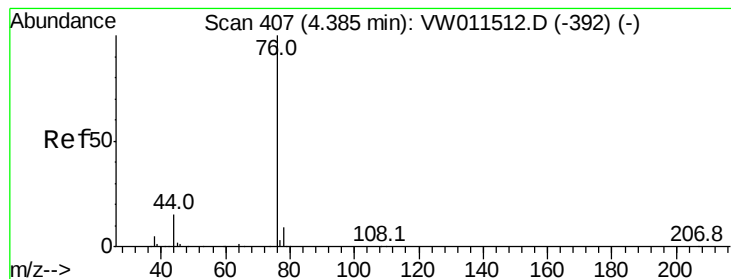
Tgt Ion: 43 Resp: 68208

Ion Ratio Lower Upper

43 100

58 27.5 22.3 33.5





#17

Carbon Disulfide

Concen: 19.919 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

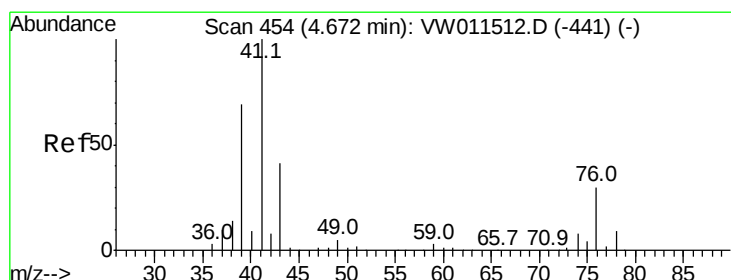
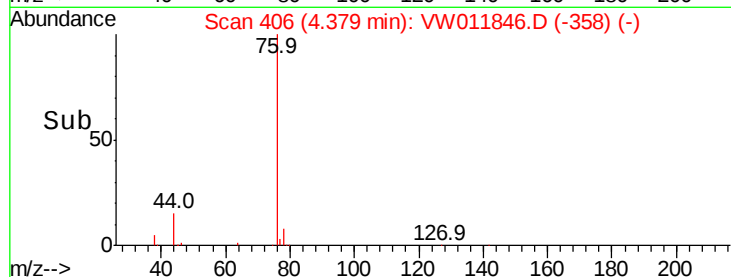
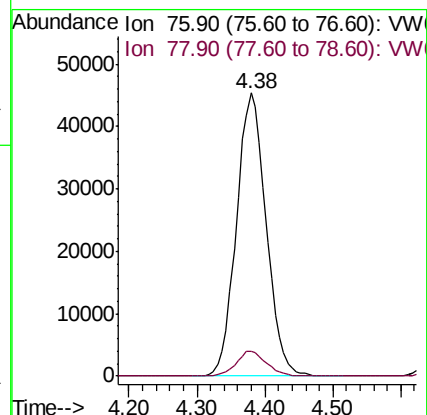
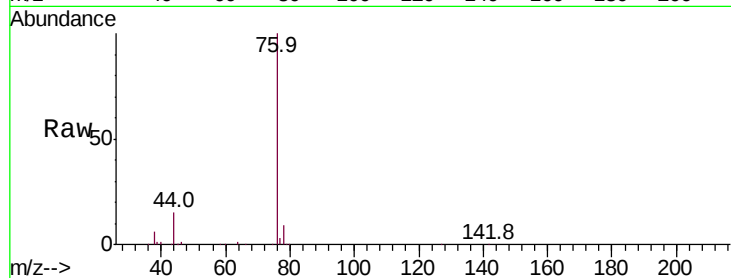
ClientSampled :

Tot Ion: 76 Resp: 137600

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



#18

Methyl Acetate

Concen: 22.566 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW011846.D

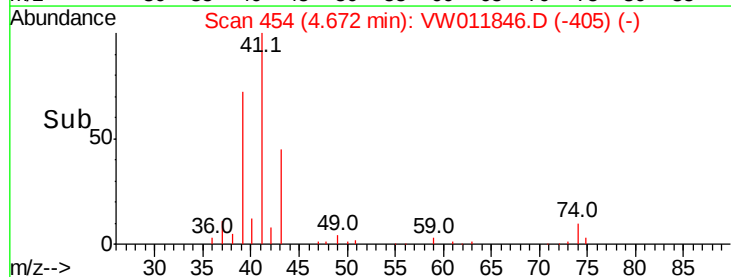
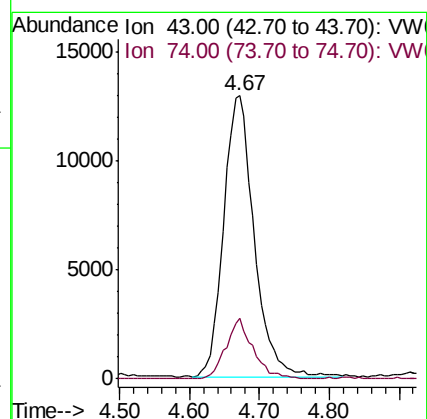
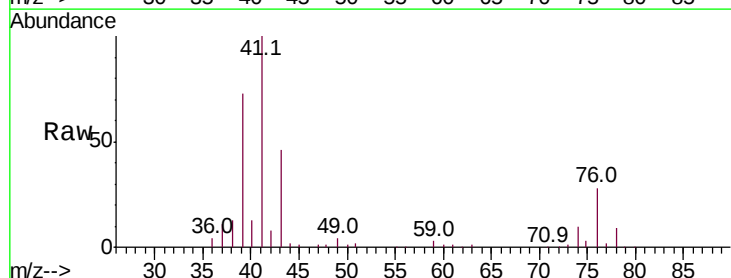
Acq: 12 Aug 2019 12:41

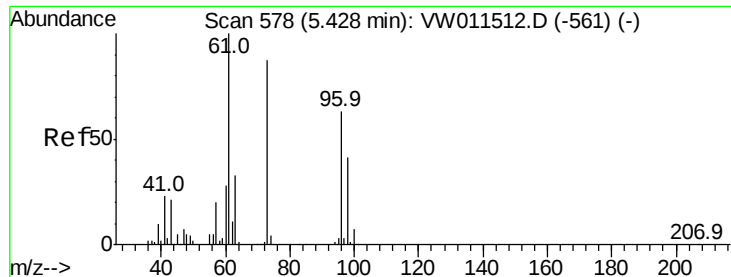
Tgt Ion: 43 Resp: 39243

Ion Ratio Lower Upper

43 100

74 19.0 15.9 23.9

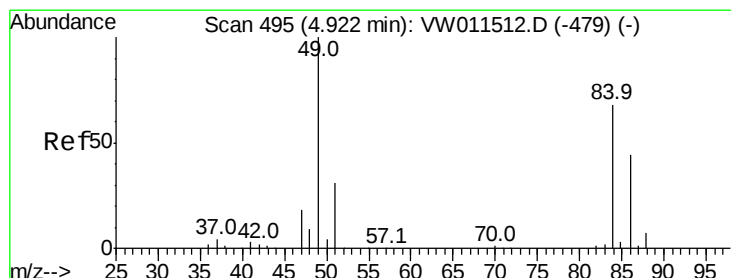
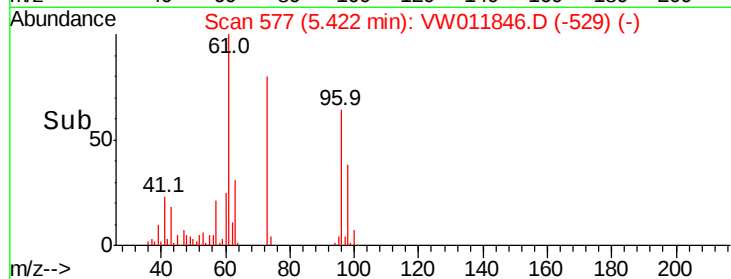
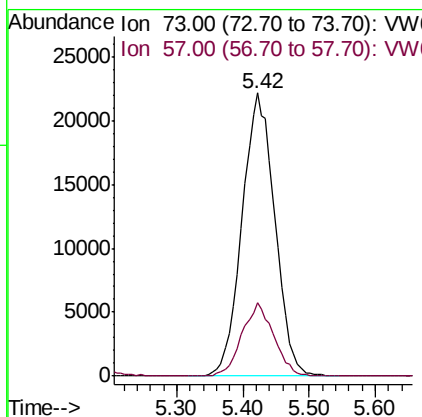
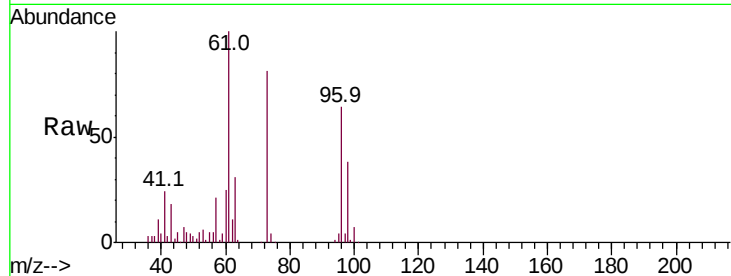




#19
Methyl tert-butyl Ether
Concen: 21.713 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

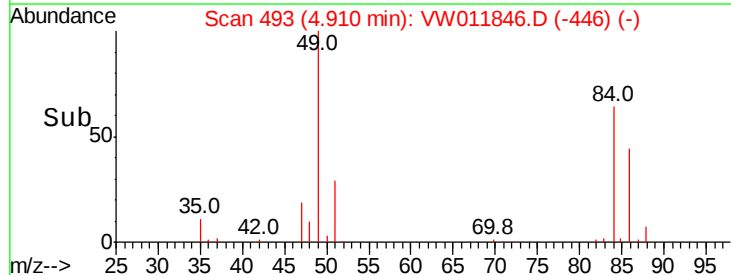
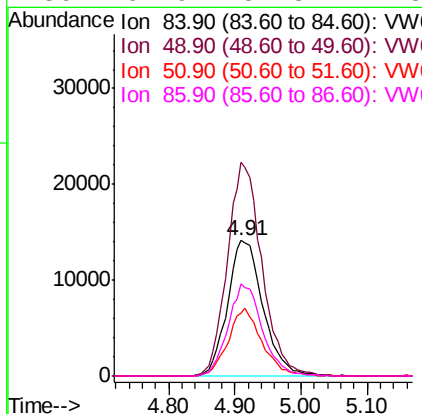
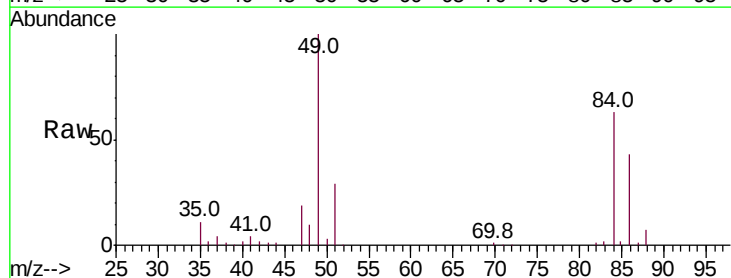
Instrument :
MSVOA_W
ClientSampled :

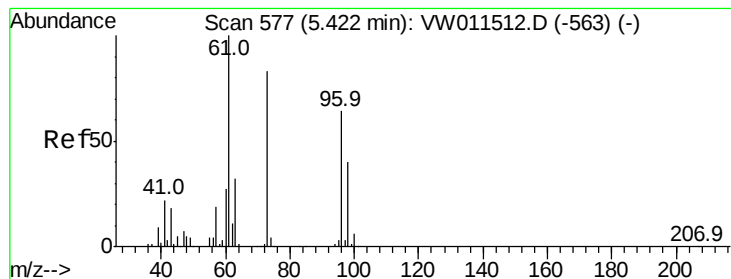
Tot Ion: 73 Resp: 76048
Ion Ratio Lower Upper
73 100
57 25.8 18.4 27.6



#20
Methylene Chloride
Concen: 19.750 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion: 84 Resp: 52727
Ion Ratio Lower Upper
84 100
49 157.9 117.8 176.6
51 46.0 37.0 55.4
86 67.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.327 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :

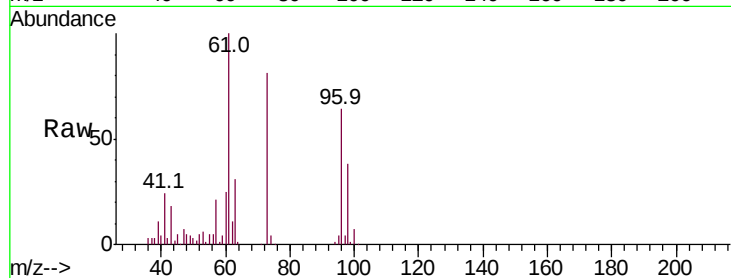
Tot Ion: 96 Resp: 50750

Ion Ratio Lower Upper

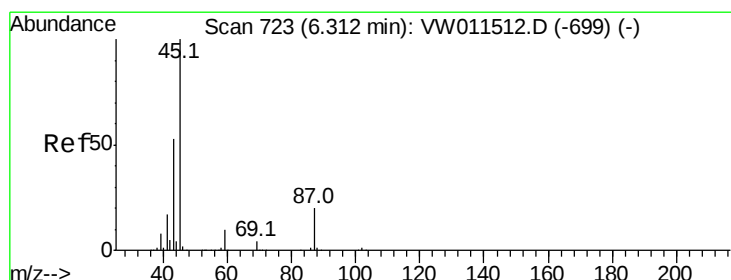
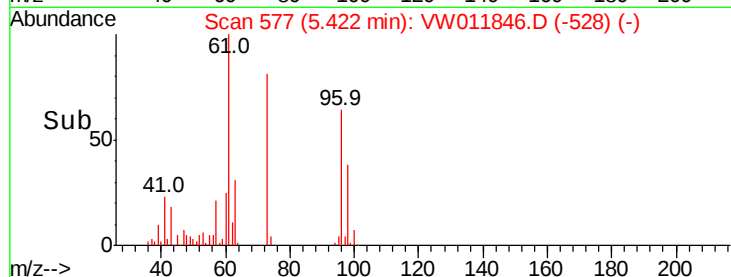
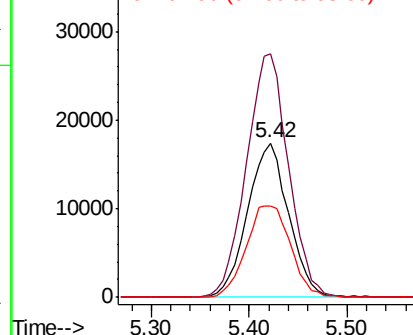
96 100

61 157.5 125.7 188.5

98 59.2 50.3 75.5



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



#22

Diisopropyl ether

Concen: 21.123 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion: 45 Resp: 186954

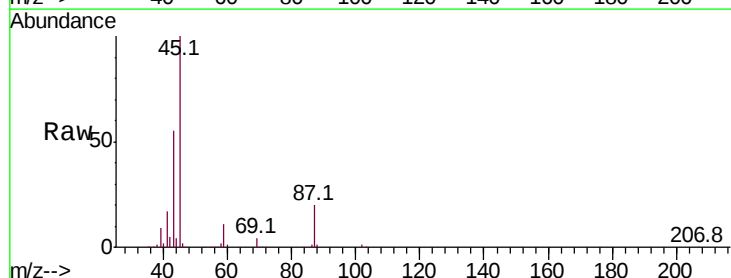
Ion Ratio Lower Upper

45 100

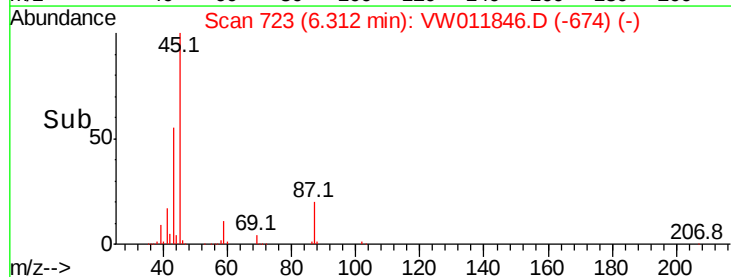
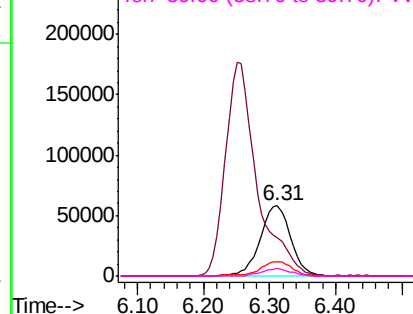
43 54.4 42.6 63.8

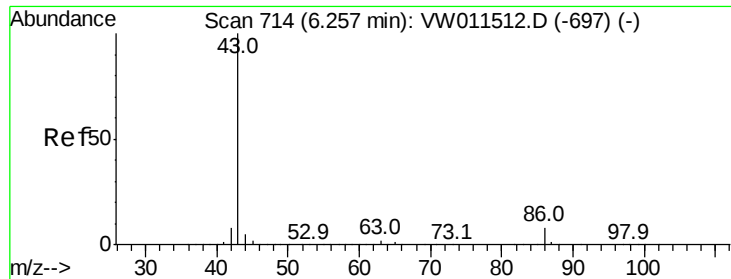
87 20.4 16.4 24.6

59 10.9 8.2 12.2



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





#23

Vinyl Acetate

Concen: 105.476 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

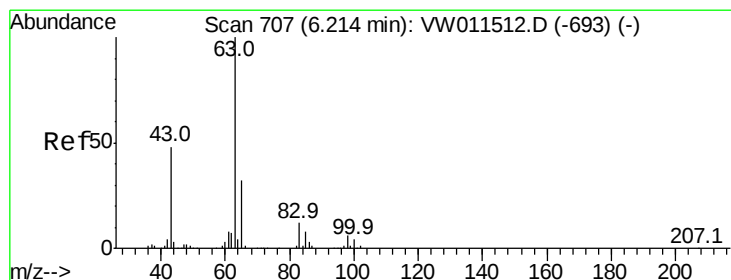
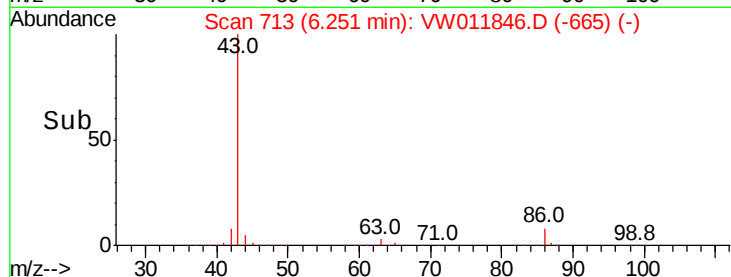
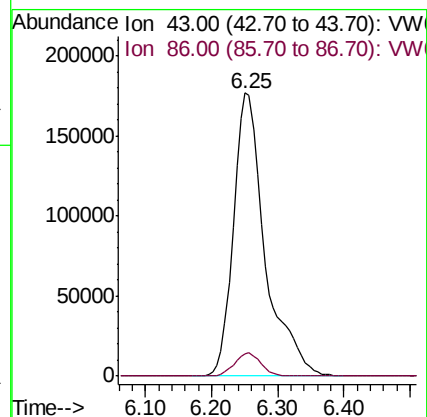
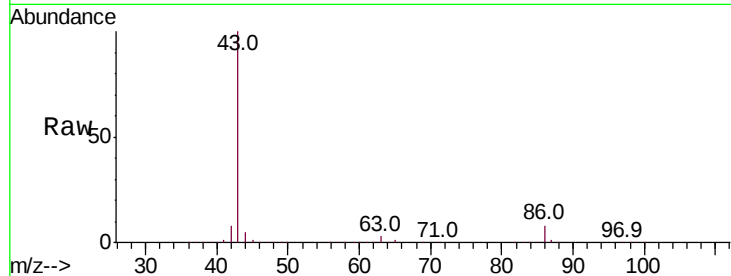
ClientSampleId :

Tot Ion: 43 Resp: 586587

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.234 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

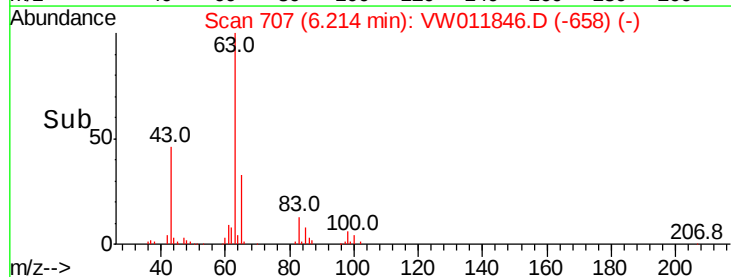
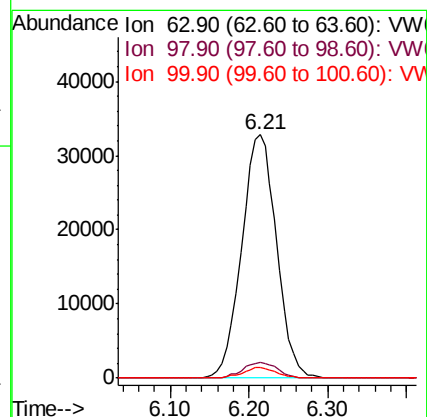
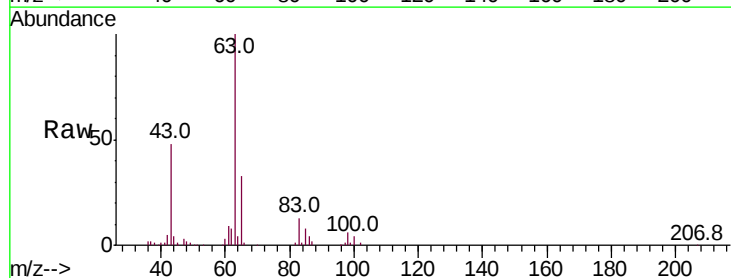
Tgt Ion: 63 Resp: 100651

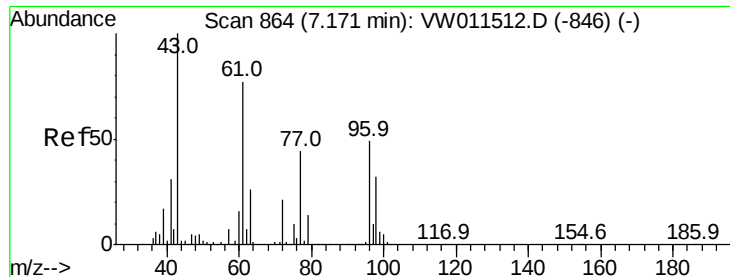
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 99.139 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

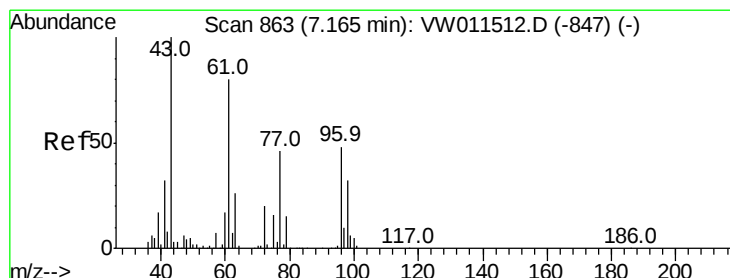
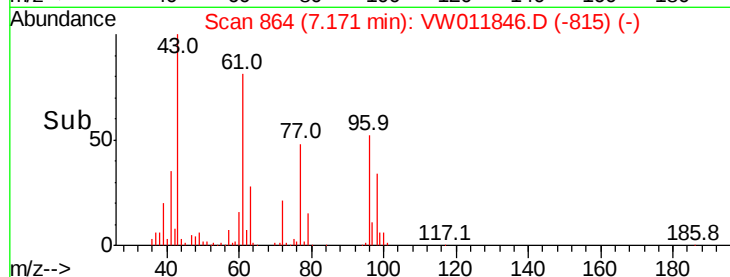
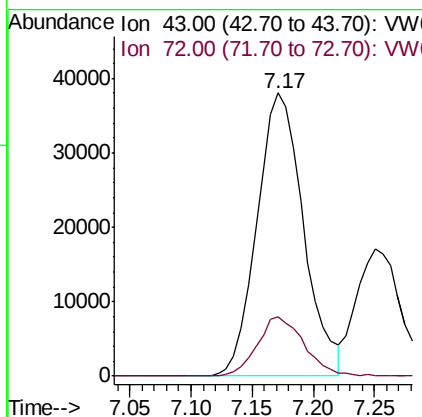
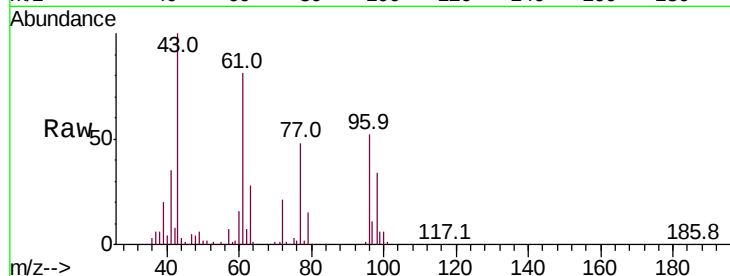
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 100421

Ion Ratio Lower Upper

43 100

72 20.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.668 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011846.D

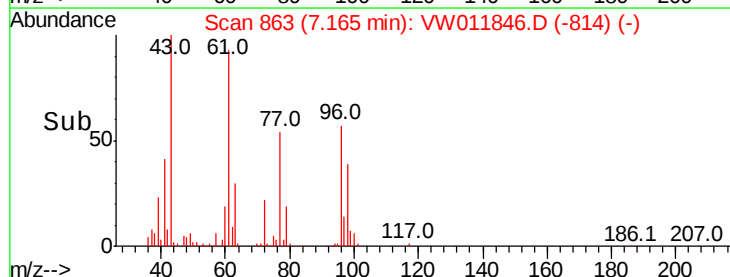
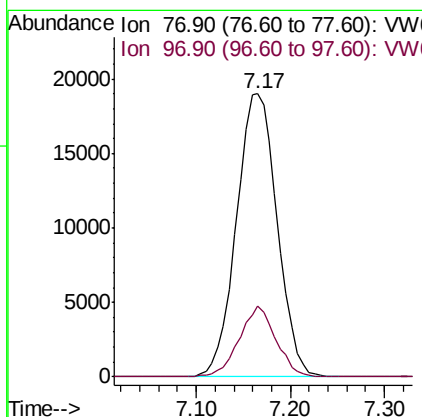
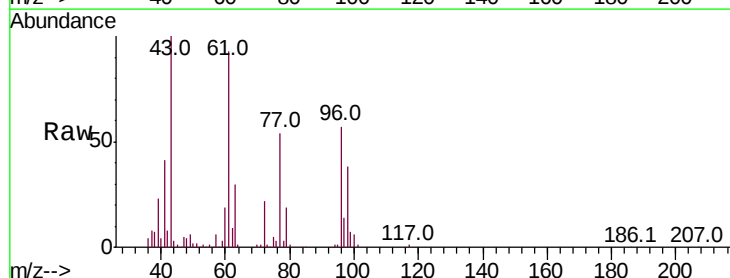
Acq: 12 Aug 2019 12:41

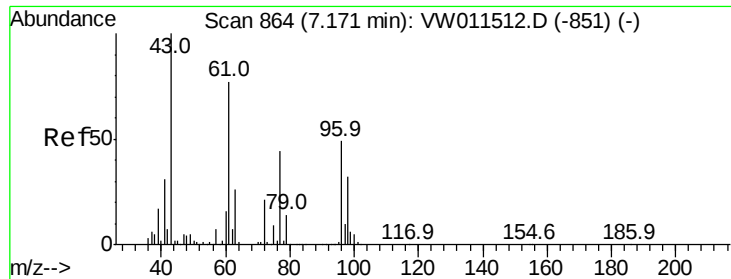
Tgt Ion: 77 Resp: 57335

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4



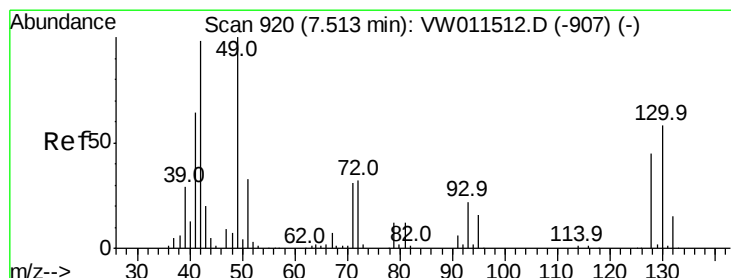
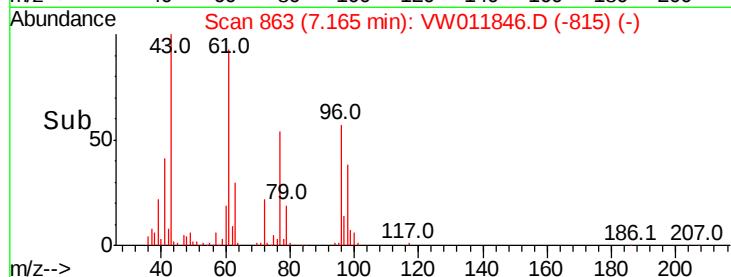
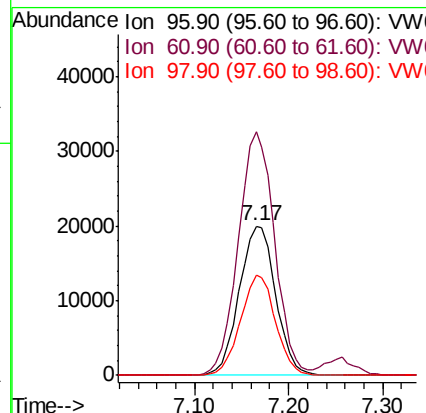
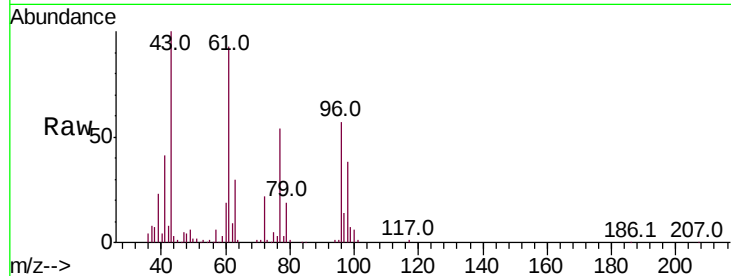


#27

cis-1,2-Dichloroethene
 Concen: 20.609 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :

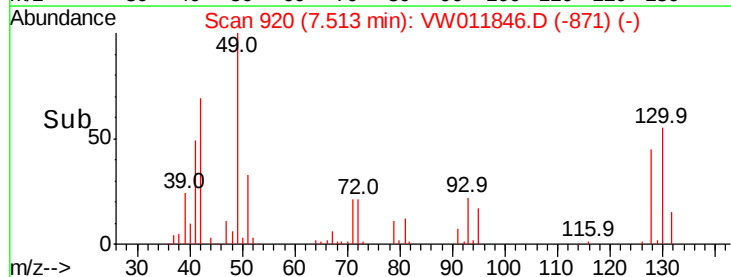
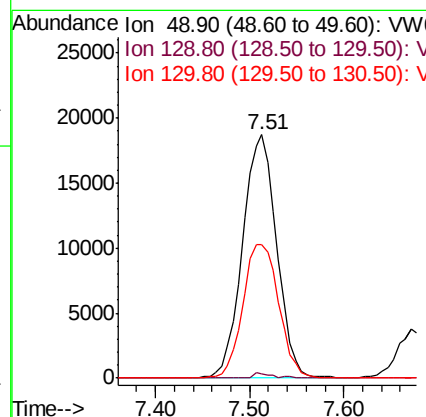
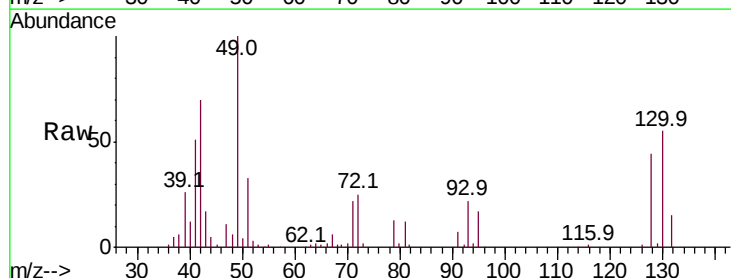
Tot Ion	96	Resp	53973
Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	328.4
98	64.6	0.0	128.8

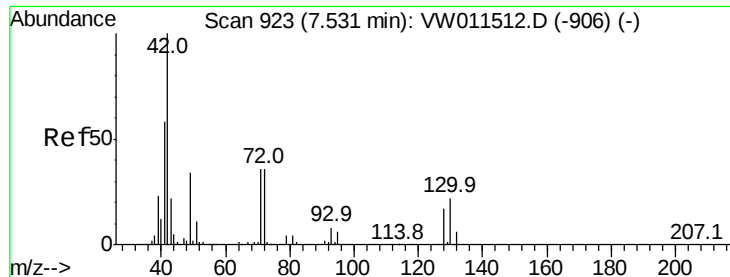


#28

Bromochloromethane
 Concen: 22.560 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	49	Resp	47465
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.0#
130	57.7	46.3	69.5

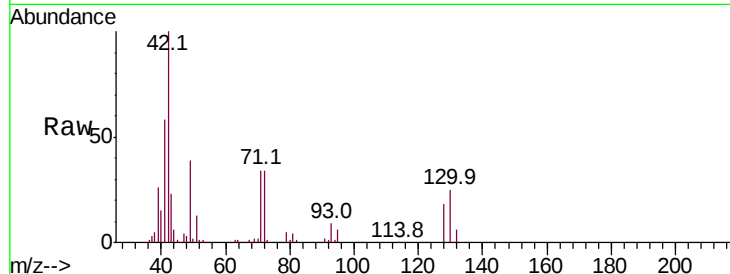




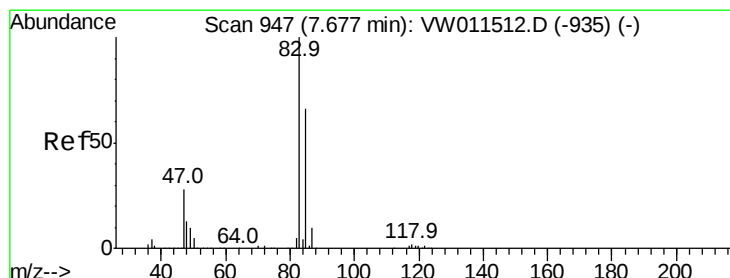
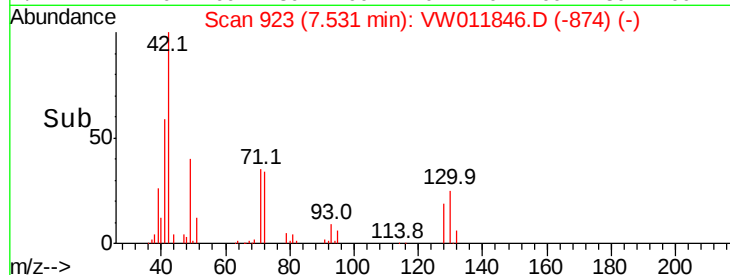
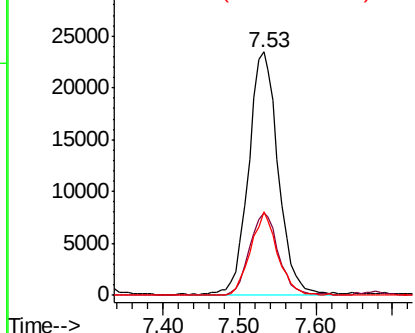
#29
Tetrahydrofuran
Concen: 110.361 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.8	27.1	40.7
71	31.2	26.2	39.4

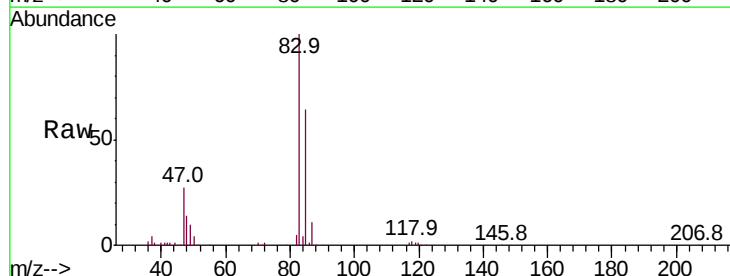


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

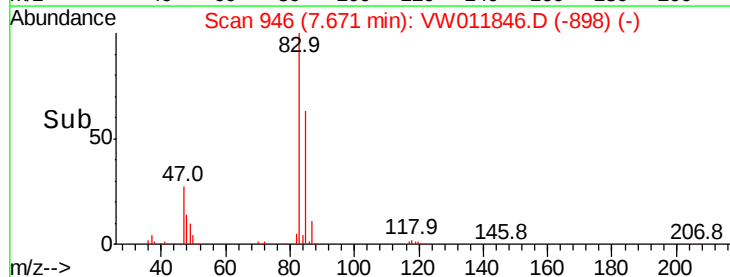
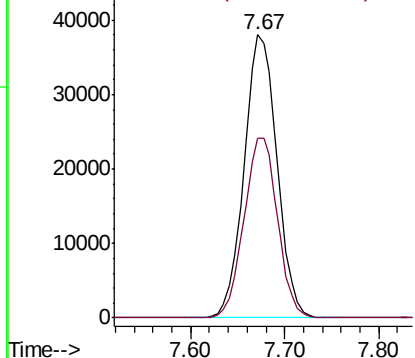


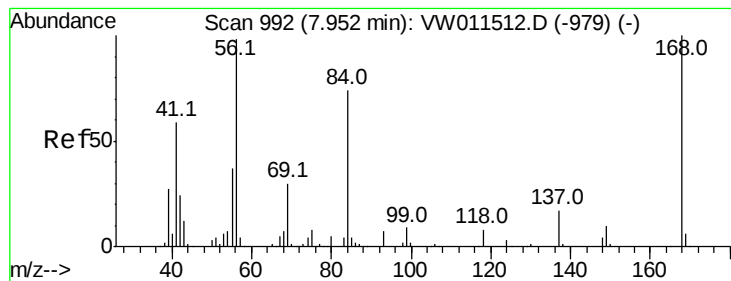
#30
Chloroform
Concen: 21.278 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	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: 21.494 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampled :

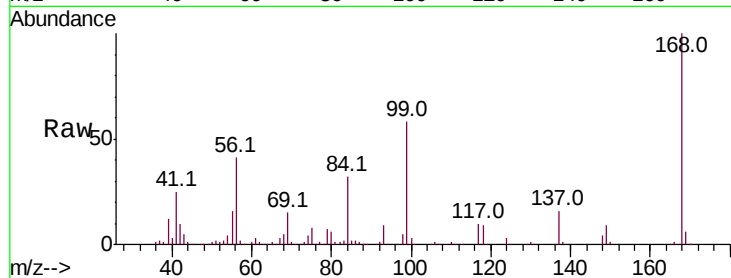
Tot Ion: 56 Resp: 97801

Ion Ratio Lower Upper

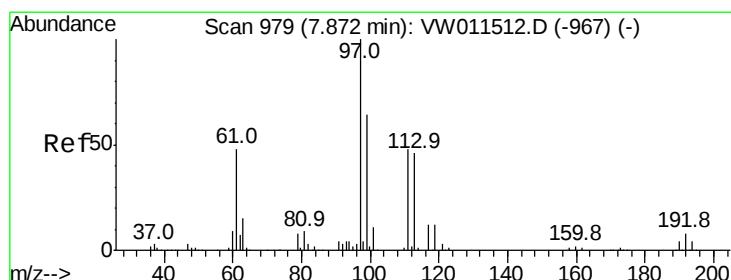
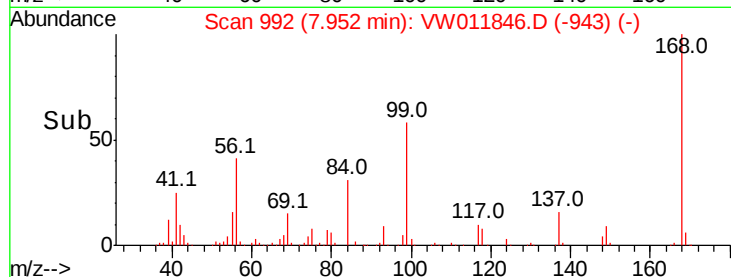
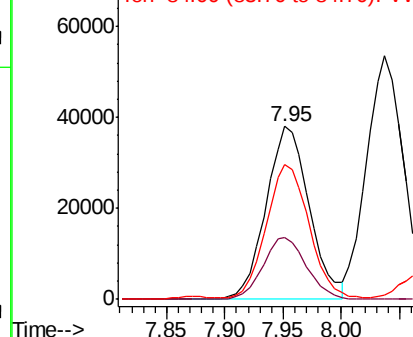
56 100

69 35.9 24.3 36.5

84 76.5 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: 22.264 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

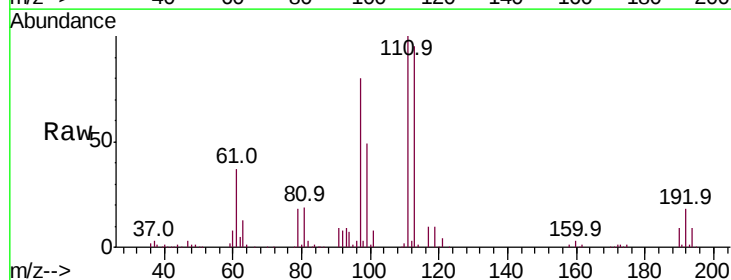
Tgt Ion: 97 Resp: 74148

Ion Ratio Lower Upper

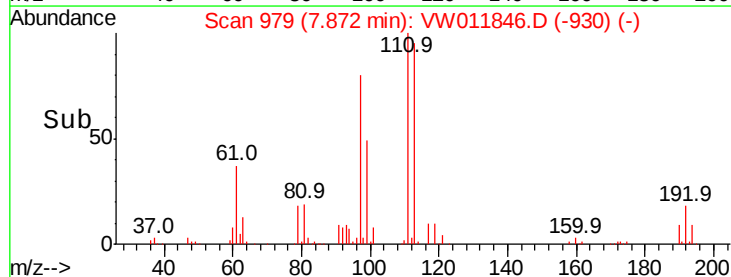
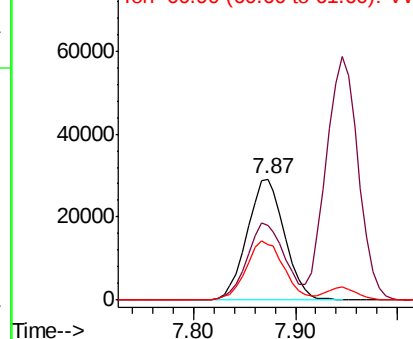
97 100

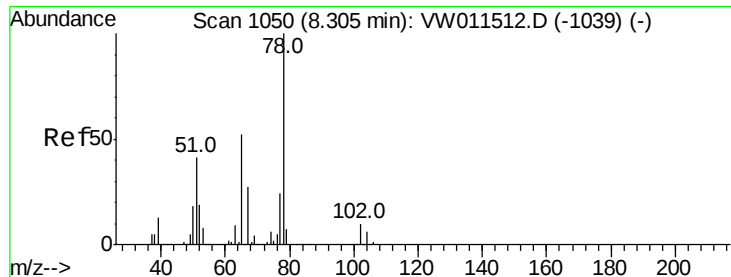
99 62.9 51.0 76.6

61 49.1 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: 55.634 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

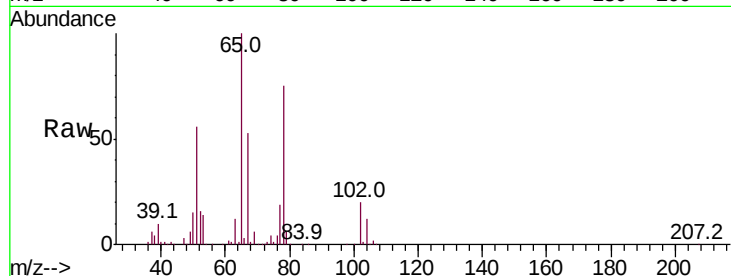
ClientSampleId :

Tot Ion: 65 Resp: 135388

Ion Ratio Lower Upper

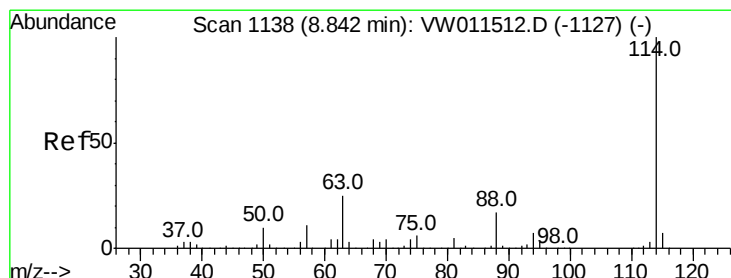
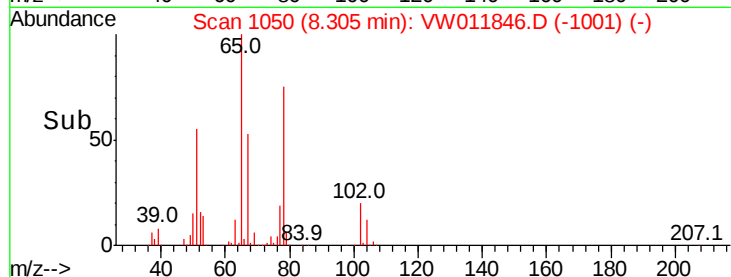
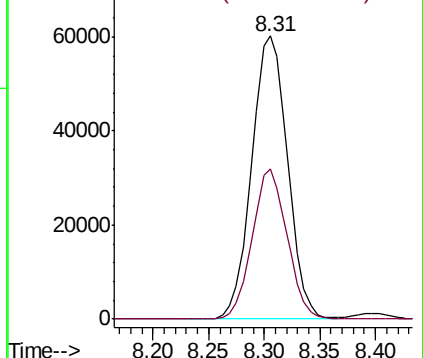
65 100

67 51.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

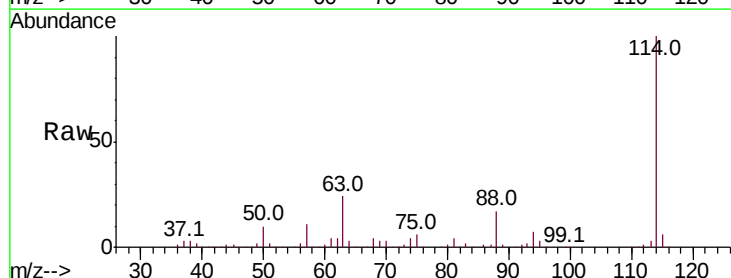
Tgt Ion: 114 Resp: 336945

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

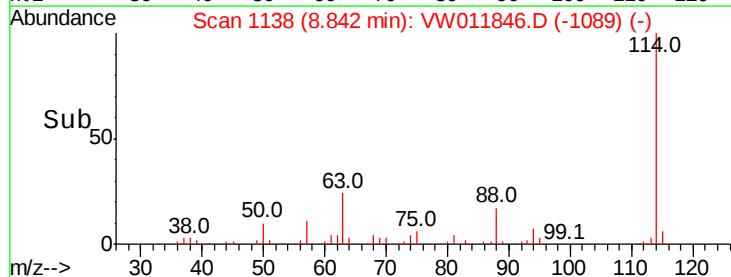
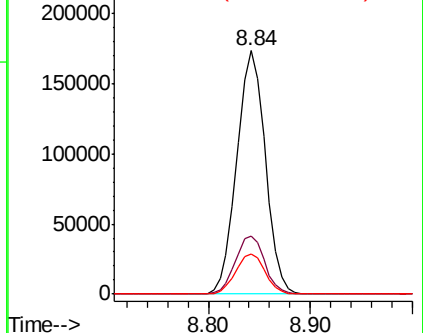
88 16.5 0.0 33.8

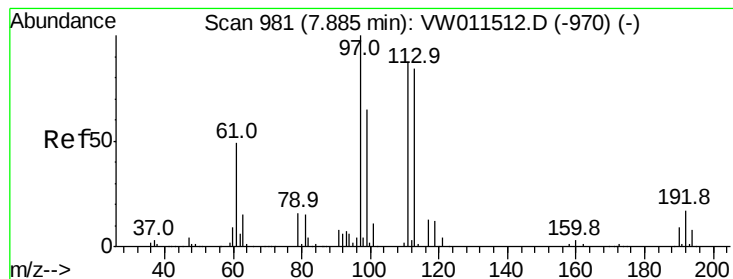


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 56.537 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :

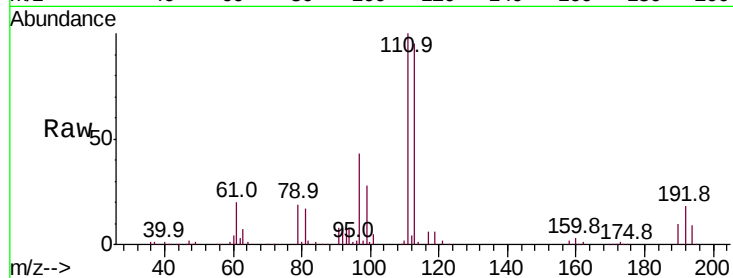
Tot Ion:113 Resp: 106873

Ion Ratio Lower Upper

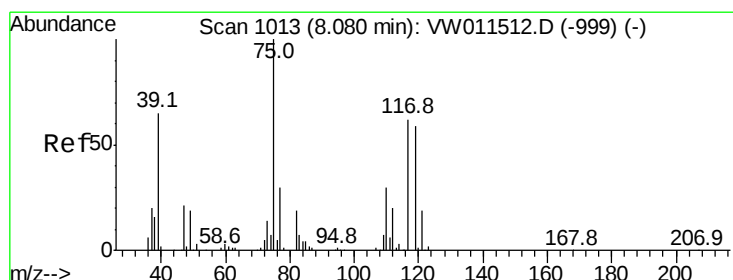
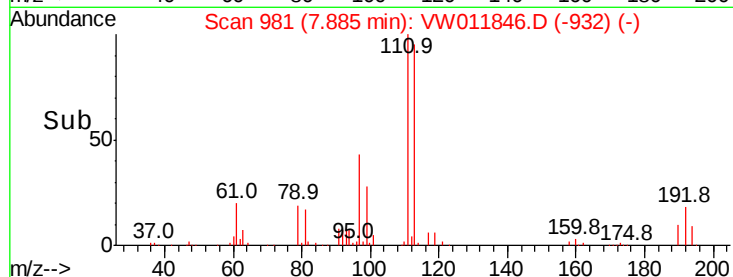
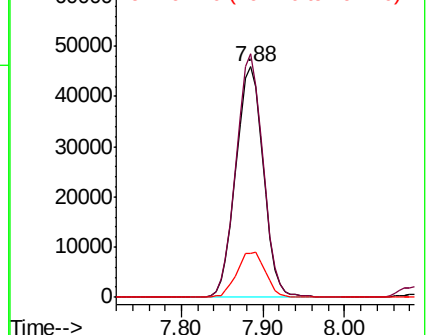
113 100

111 103.8 82.7 124.1

192 20.4 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: 22.207 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

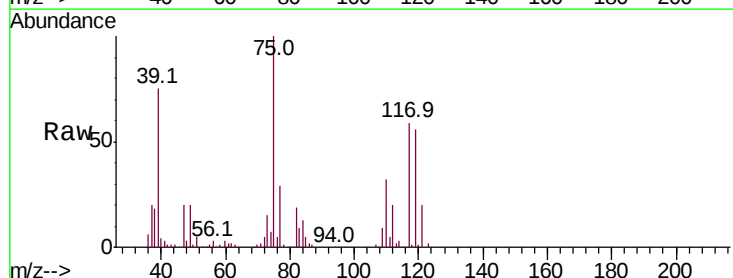
Tgt Ion: 75 Resp: 77806

Ion Ratio Lower Upper

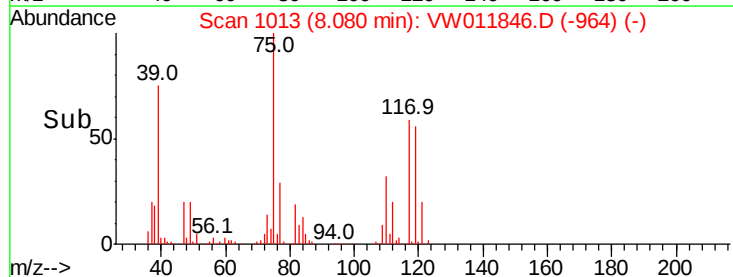
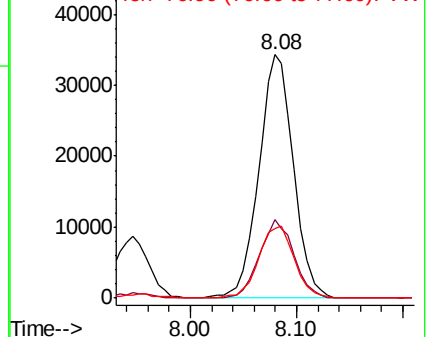
75 100

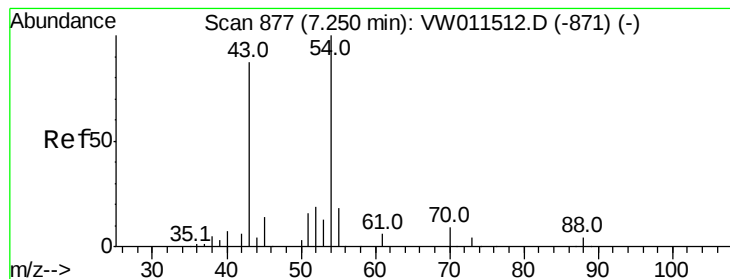
110 31.9 15.6 46.8

77 30.8 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: 21.829 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

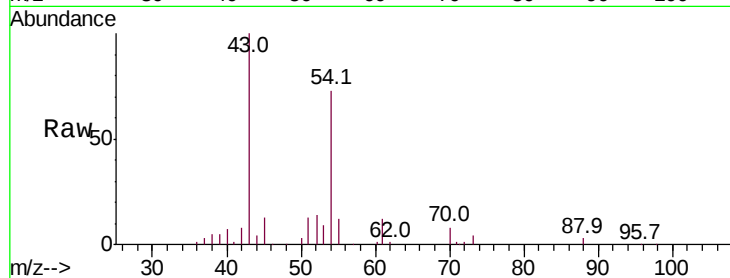
Tot Ion: 43 Resp: 44001

Ion Ratio Lower Upper

43 100

61 11.8 8.8 13.2

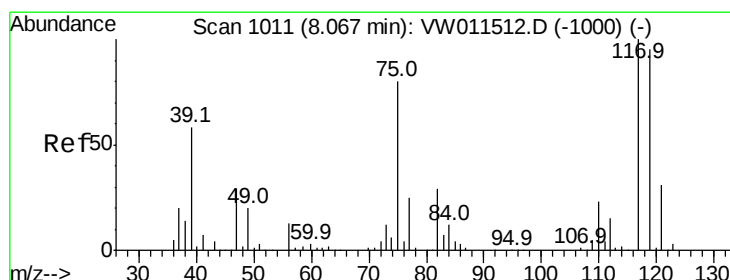
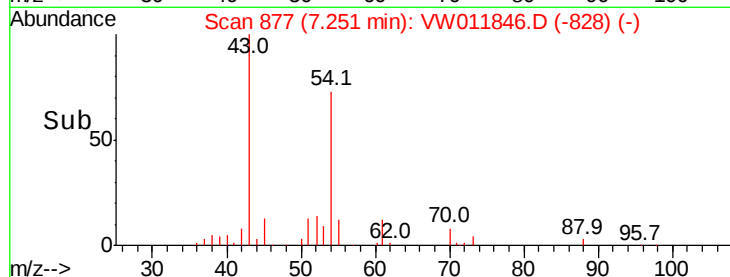
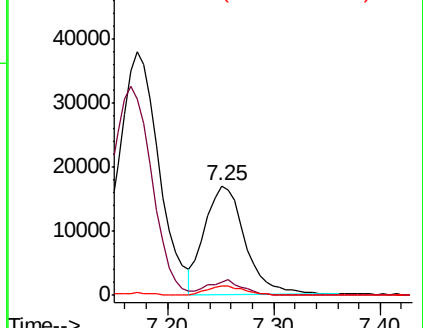
70 8.6 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 22.296 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

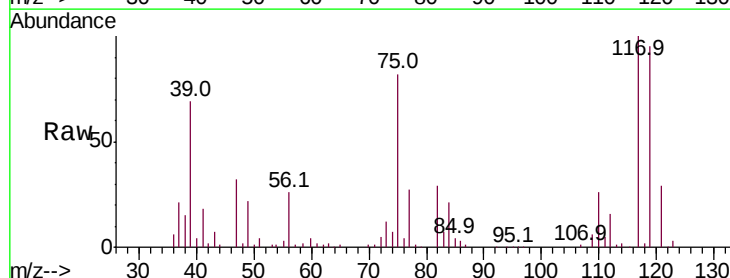
Tgt Ion: 117 Resp: 66872

Ion Ratio Lower Upper

117 100

119 95.2 75.8 113.6

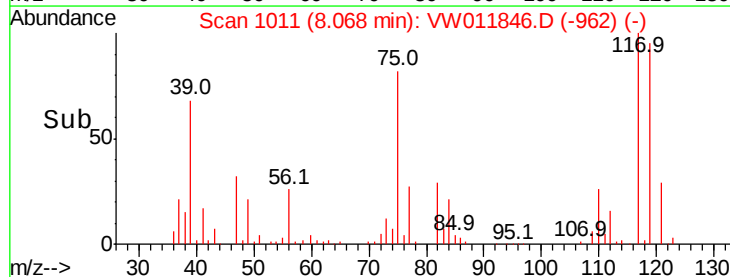
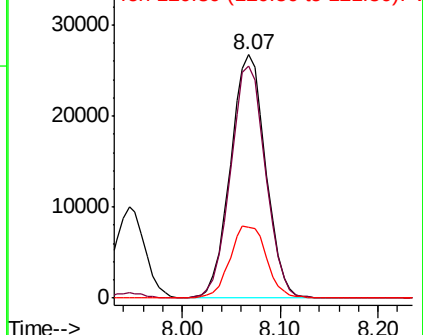
121 29.1 24.7 37.1

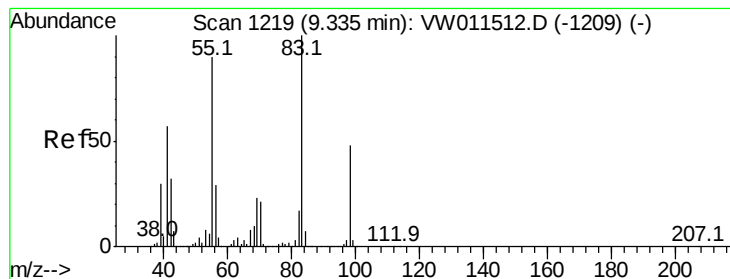


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 22.302 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

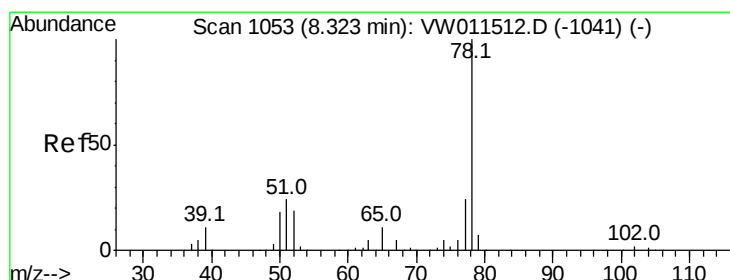
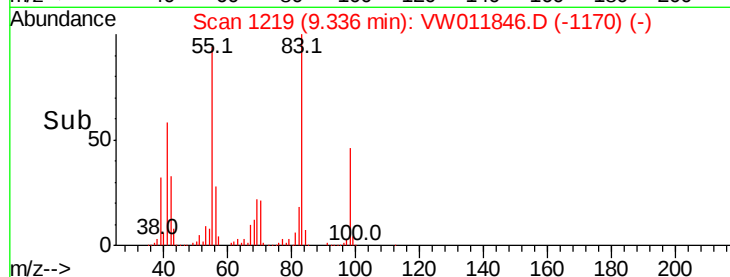
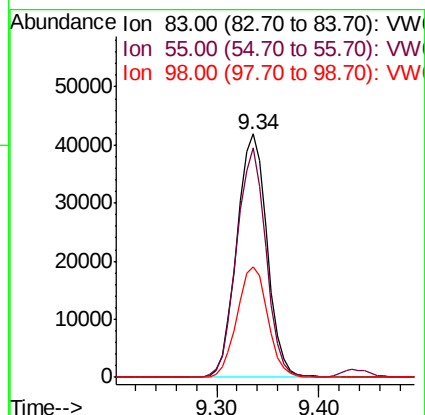
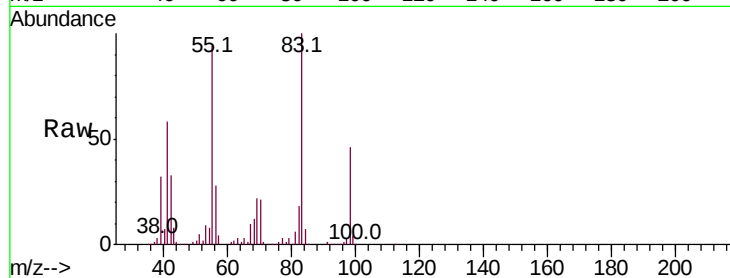
Tot Ion: 83 Resp: 86037

Ion Ratio Lower Upper

83 100

55 94.3 72.1 108.1

98 45.6 38.6 57.8



#40

Benzene

Concen: 21.611 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011846.D

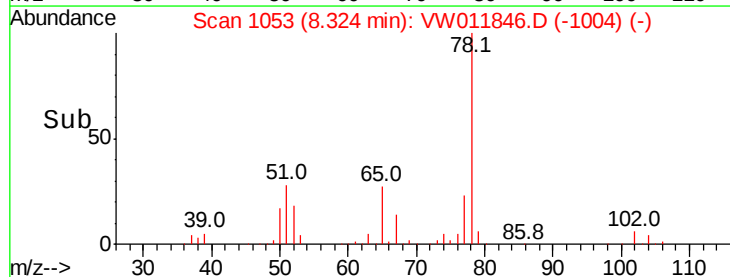
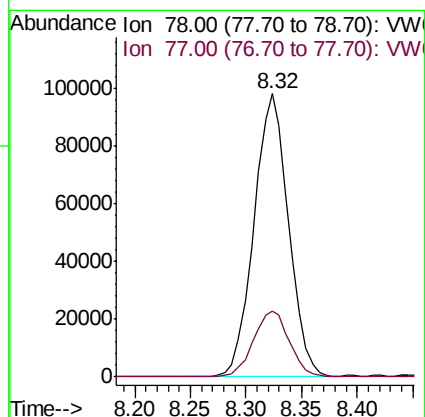
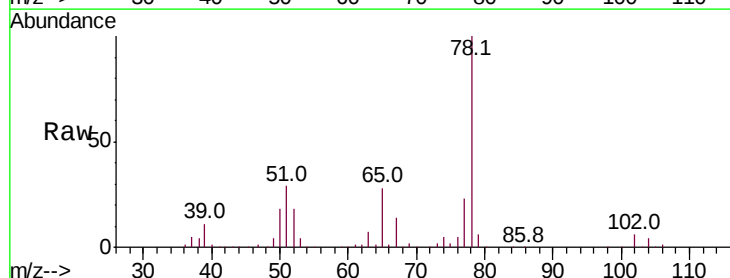
Acq: 12 Aug 2019 12:41

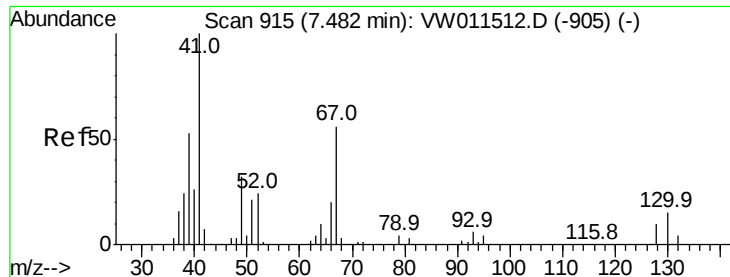
Tgt Ion: 78 Resp: 212084

Ion Ratio Lower Upper

78 100

77 23.1 19.4 29.0





#41

Methacrylonitrile

Concen: 21.472 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 25873

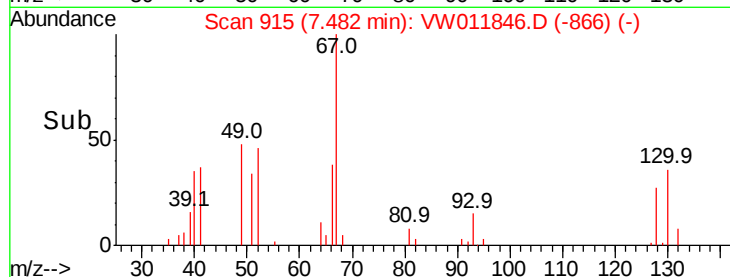
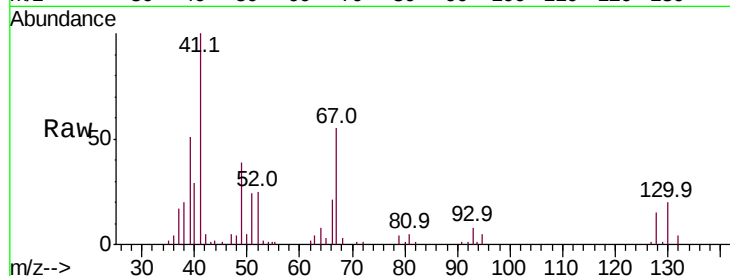
Ion Ratio Lower Upper

41 100

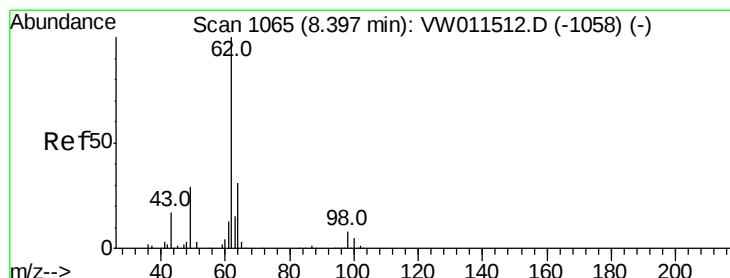
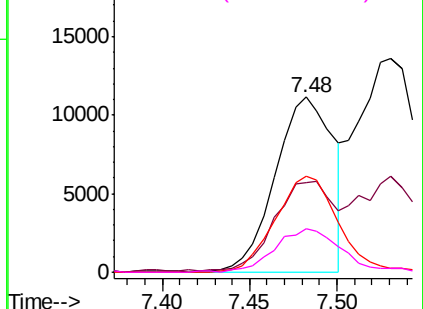
39 52.6 43.0 64.4

67 59.5 47.5 71.3

52 28.3 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: 22.170 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011846.D

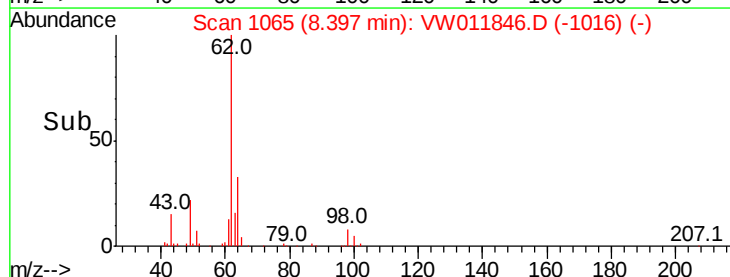
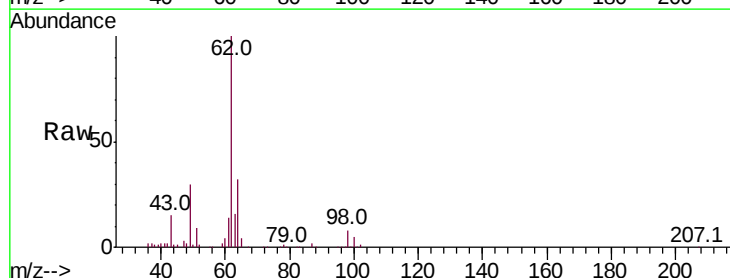
Acq: 12 Aug 2019 12:41

Tgt Ion: 62 Resp: 68120

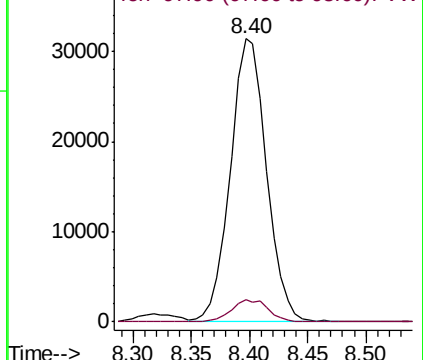
Ion Ratio Lower Upper

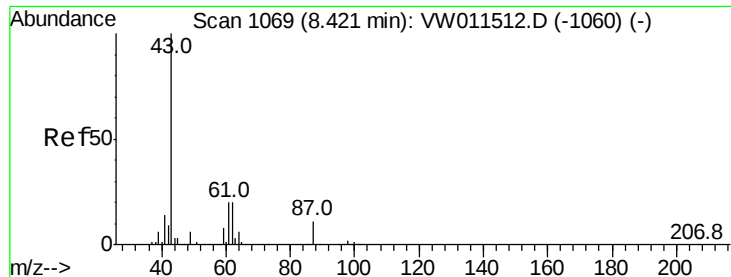
62 100

98 8.1 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: 22.002 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

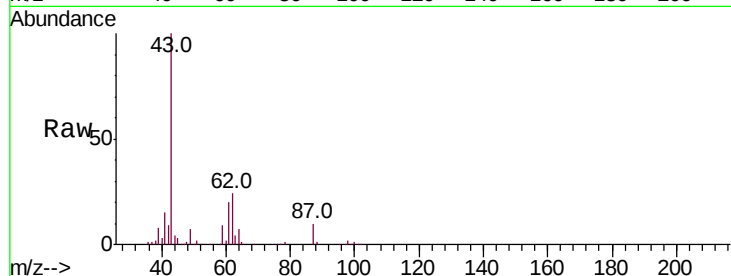
Tot Ion: 43 Resp: 81563

Ion Ratio Lower Upper

43 100

61 27.0 21.5 32.3

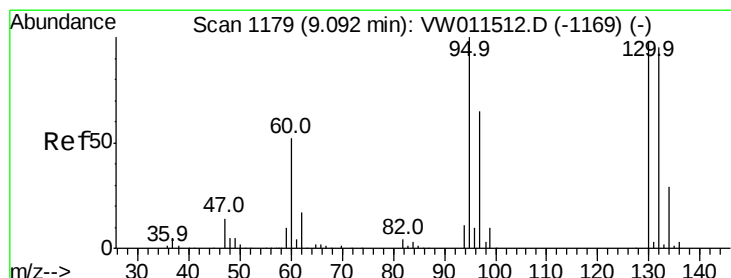
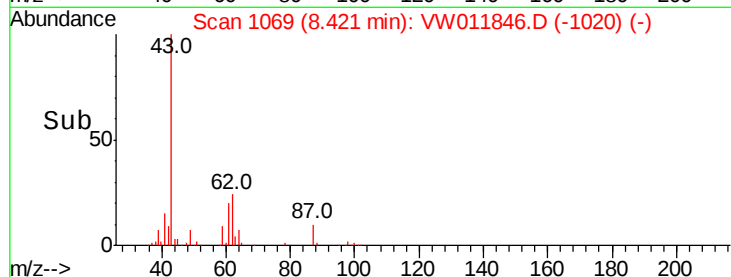
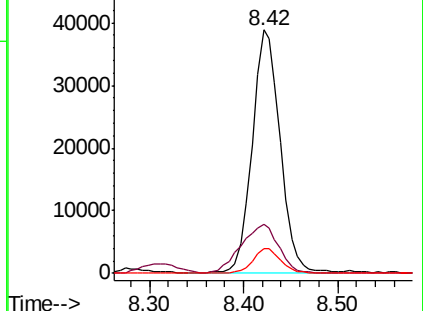
87 10.4 8.4 12.6



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: 21.873 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011846.D

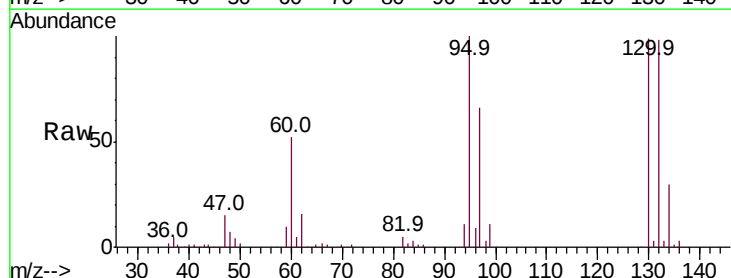
Acq: 12 Aug 2019 12:41

Tgt Ion: 130 Resp: 51592

Ion Ratio Lower Upper

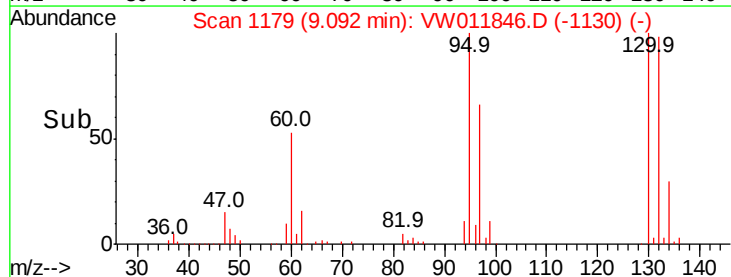
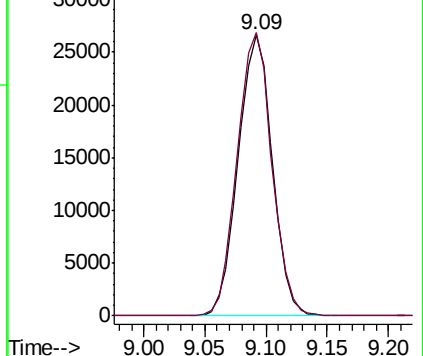
130 100

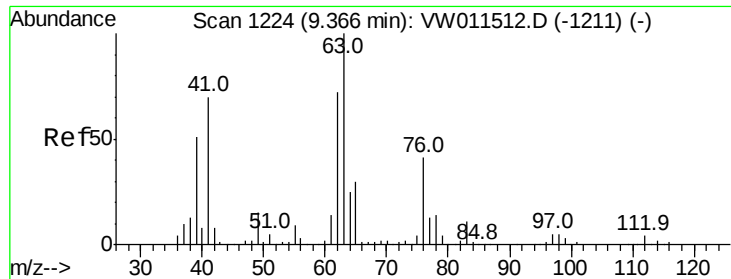
95 100.7 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

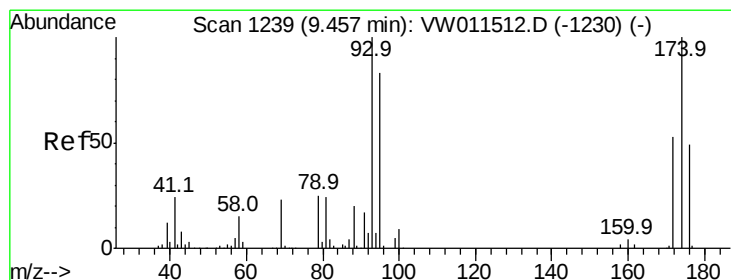
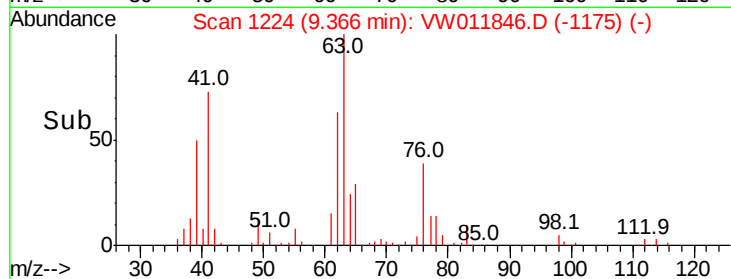
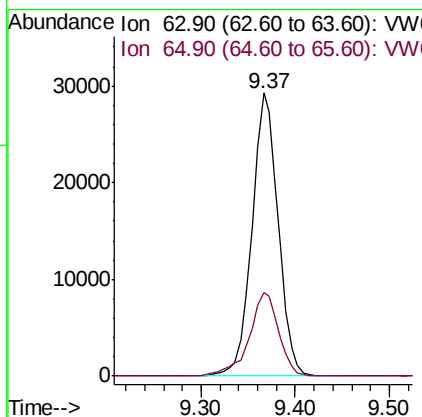
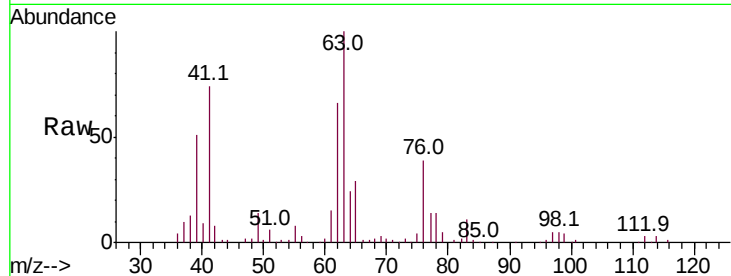




#45
 1,2-Dichloropropane
 Concen: 21.782 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

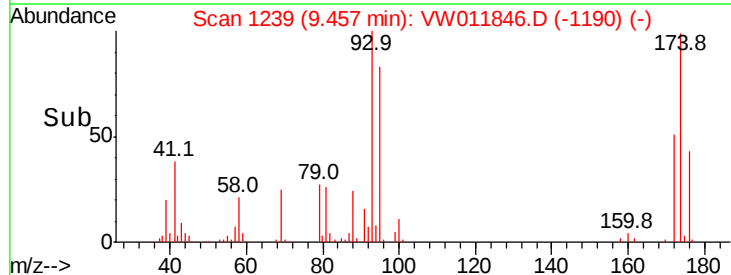
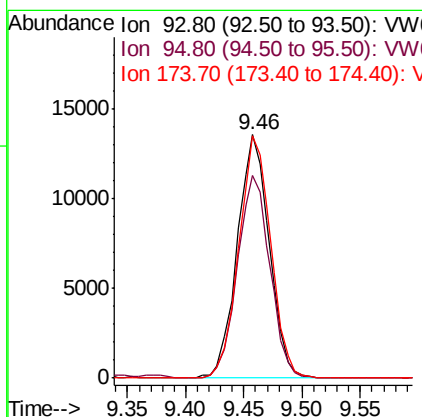
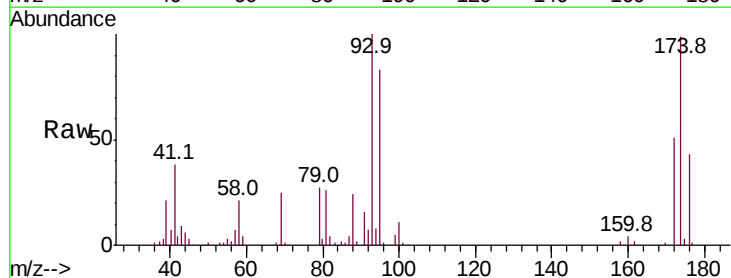
Instrument :
 MSVOA_W
 ClientSampled :

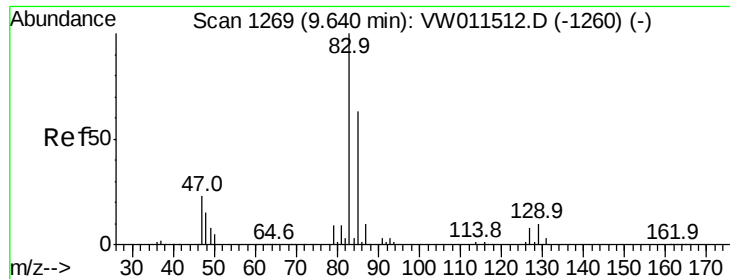
Tot Ion: 63 Resp: 57197
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.2 36.4



#46
 Dibromomethane
 Concen: 21.606 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion: 93 Resp: 25895
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.2 99.2
 174 99.4 78.2 117.4





#47

Bromodichloromethane

Concen: 21.582 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

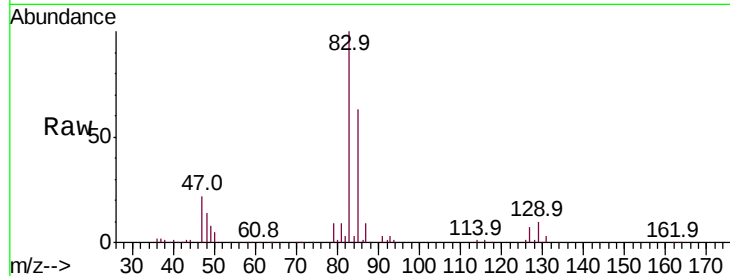
Tot Ion: 83 Resp: 67850

Ion Ratio Lower Upper

83 100

85 63.3 50.5 75.7

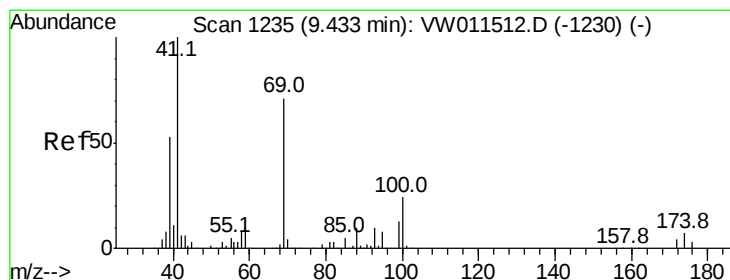
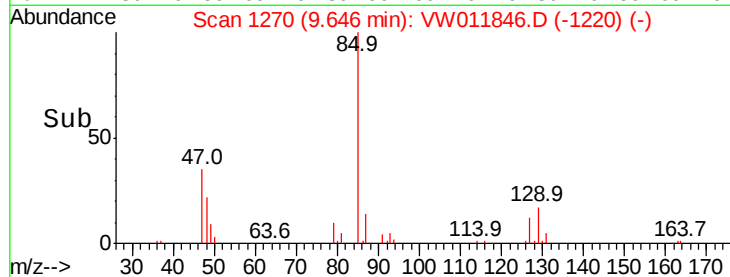
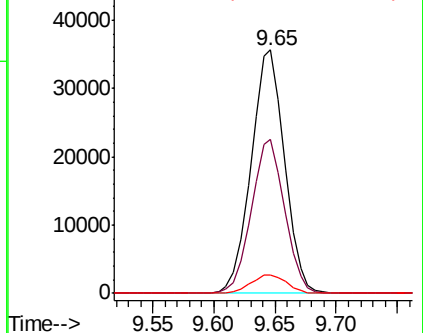
127 7.4 6.4 9.6



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: 21.226 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

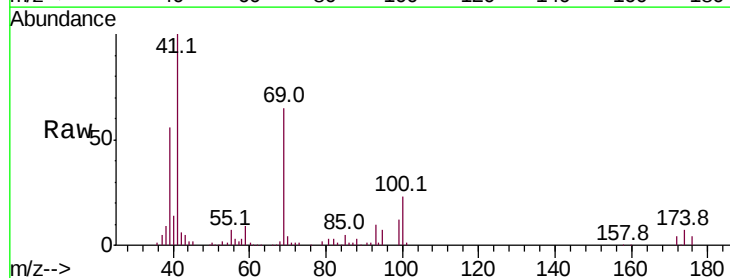
Tgt Ion: 41 Resp: 37798

Ion Ratio Lower Upper

41 100

69 73.0 57.1 85.7

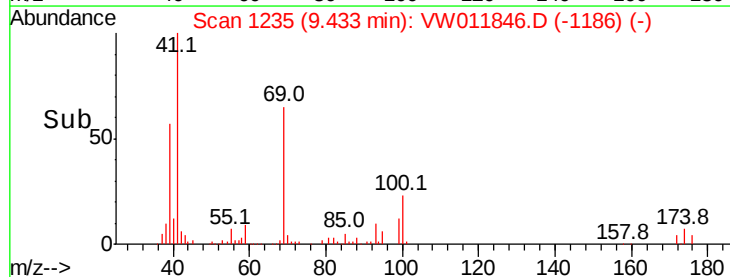
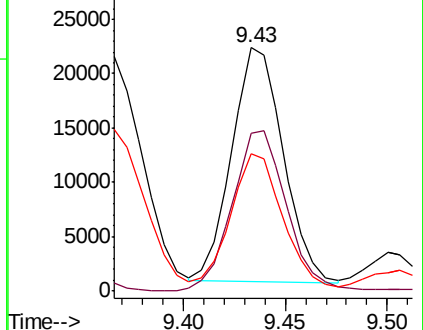
39 56.0 45.4 68.2

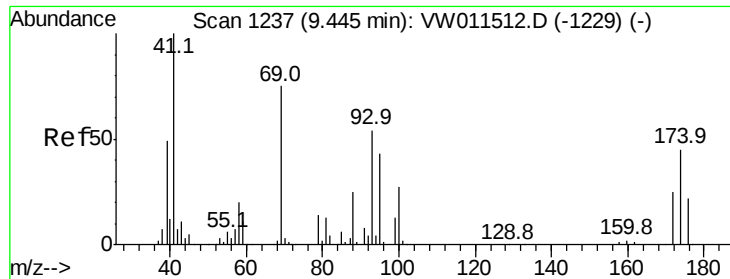


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 414.387 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampled :

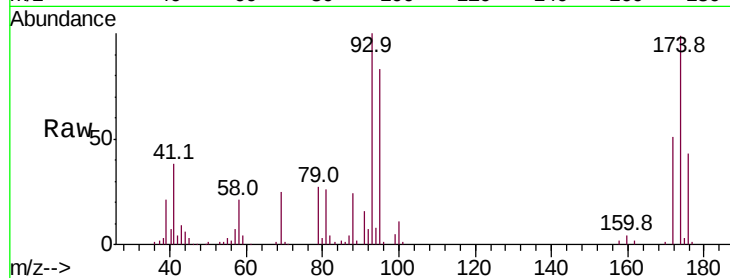
Tot Ion: 88 Resp: 7191

Ion Ratio Lower Upper

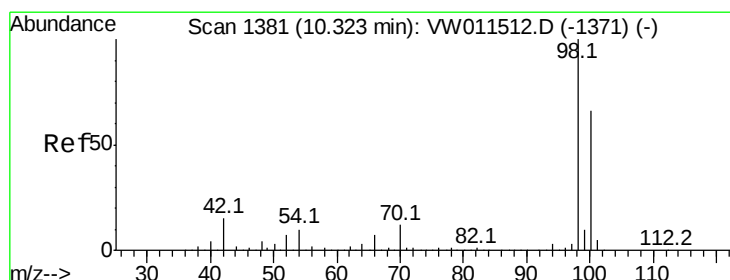
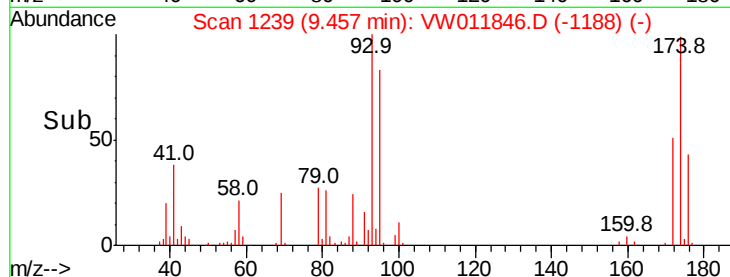
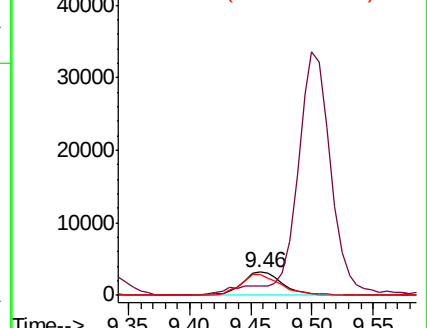
88 100

43 0.0 34.0 51.0#

58 94.6 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: 56.215 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011846.D

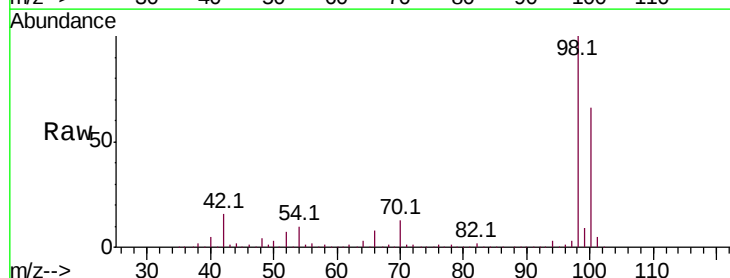
Acq: 12 Aug 2019 12:41

Tgt Ion: 98 Resp: 435078

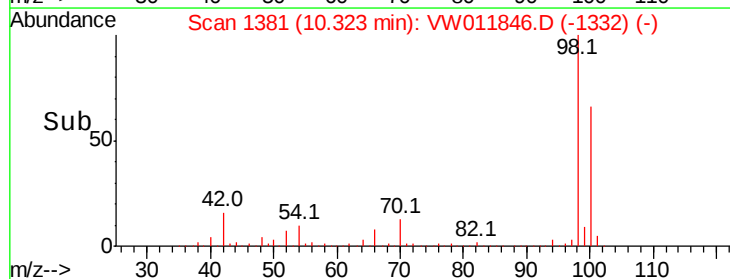
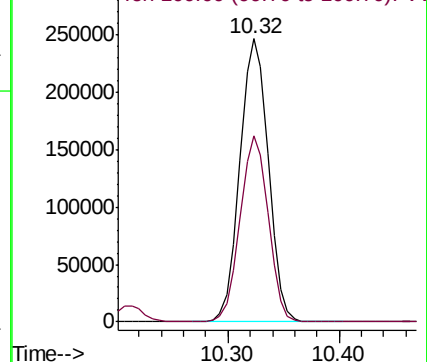
Ion Ratio Lower Upper

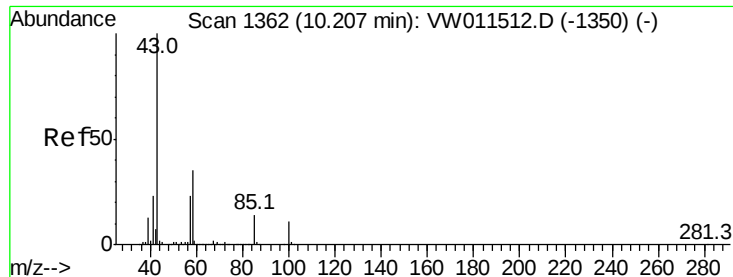
98 100

100 65.1 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: 109.843 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

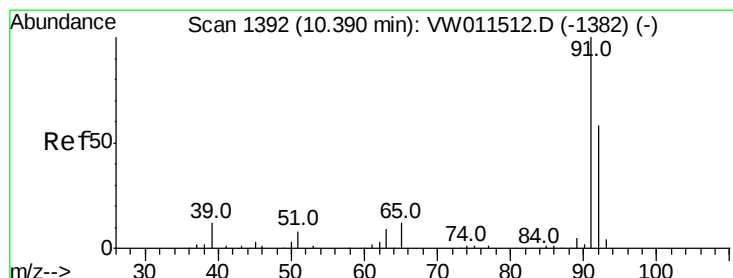
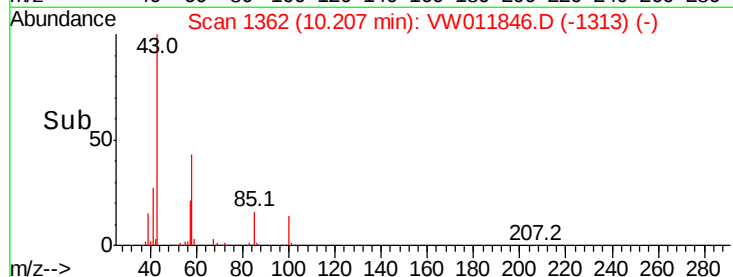
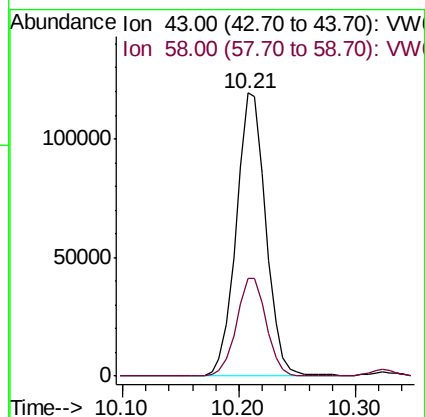
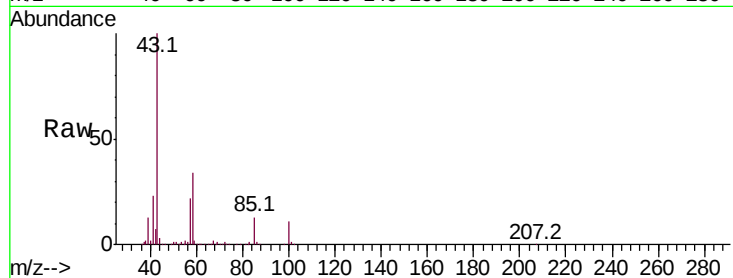
ClientSampled :

Tot Ion: 43 Resp: 211802

Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.2



#52

Toluene

Concen: 21.526 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011846.D

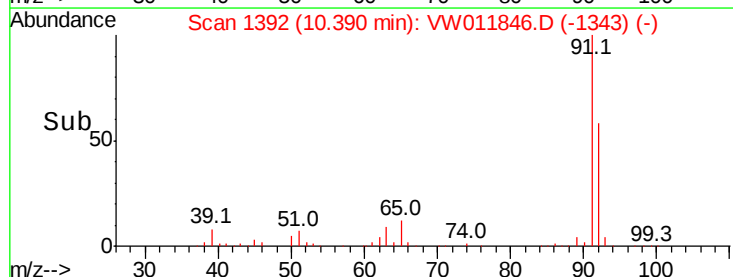
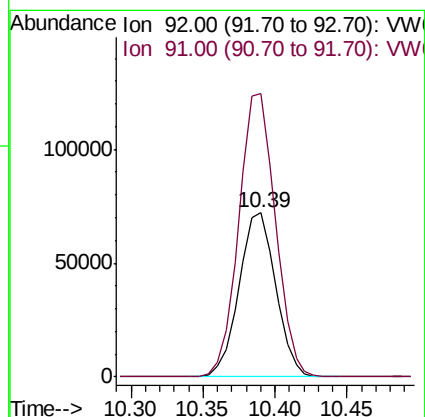
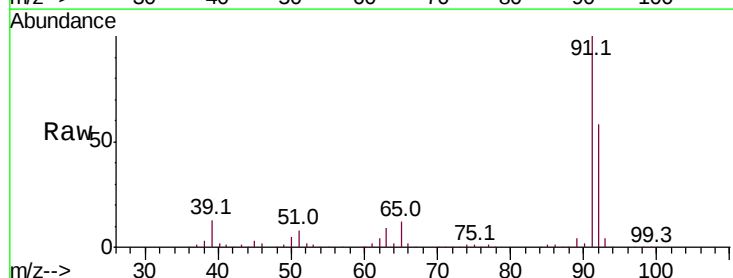
Acq: 12 Aug 2019 12:41

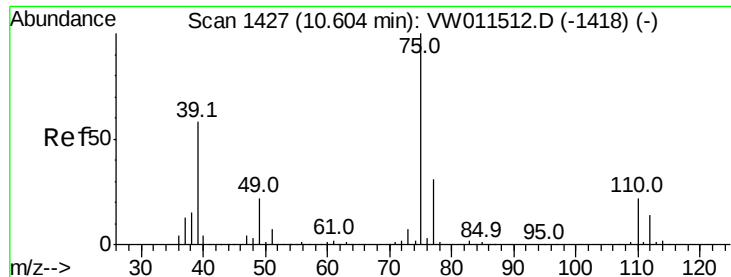
Tgt Ion: 92 Resp: 127576

Ion Ratio Lower Upper

92 100

91 172.4 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 21.184 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

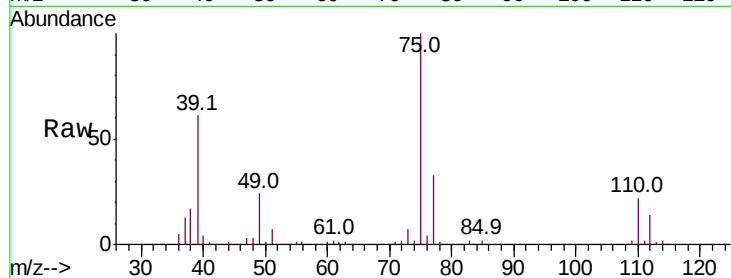
ClientSampleId :

Tot Ion: 75 Resp: 69569

Ion Ratio Lower Upper

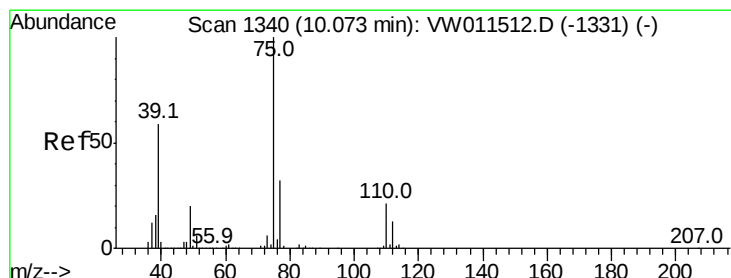
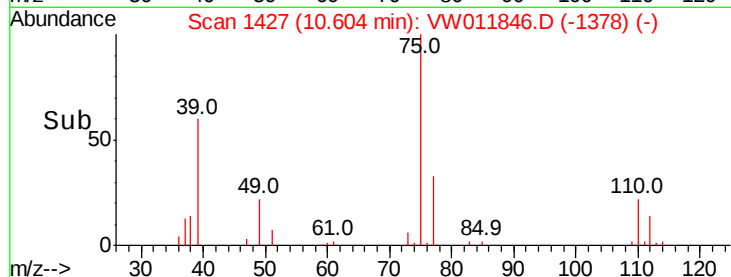
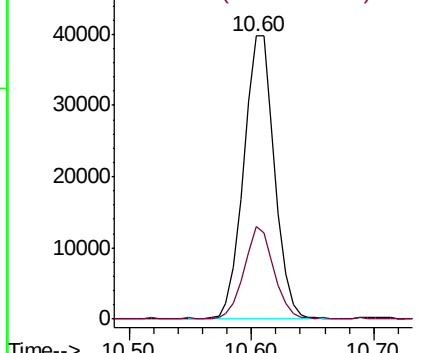
75 100

77 32.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.093 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

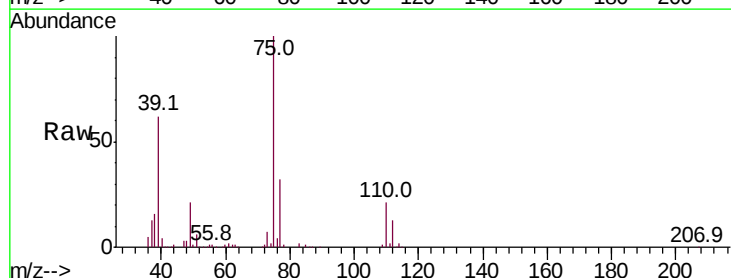
Tgt Ion: 75 Resp: 82363

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

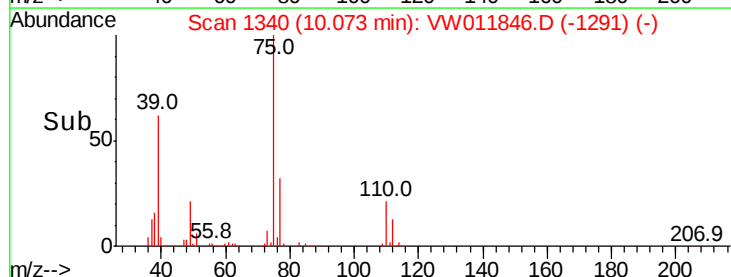
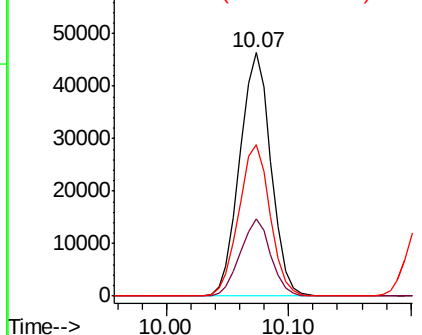
39 62.3 47.0 70.4

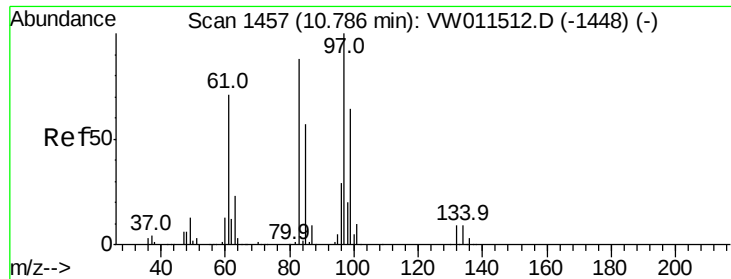


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

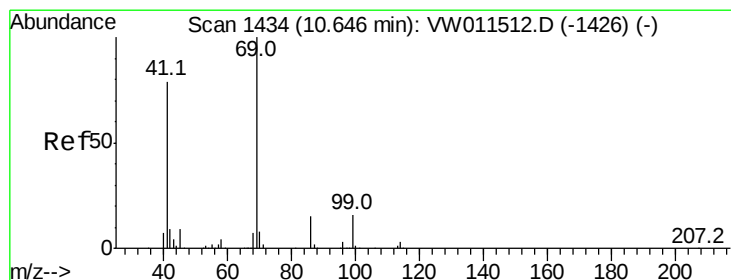
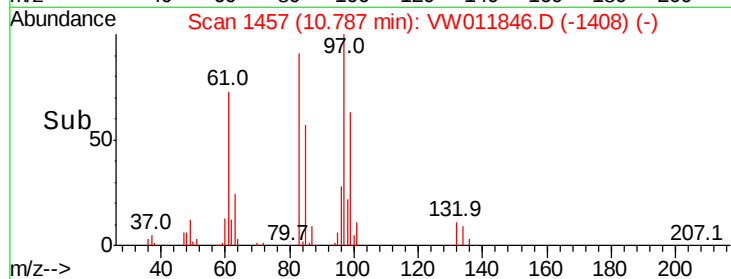
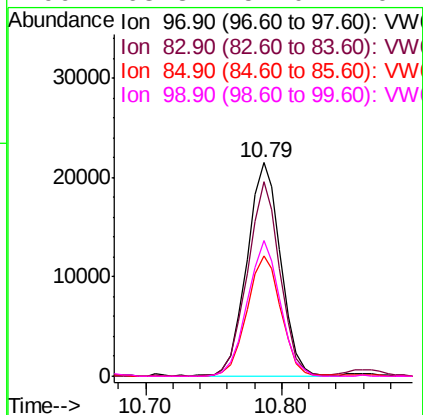
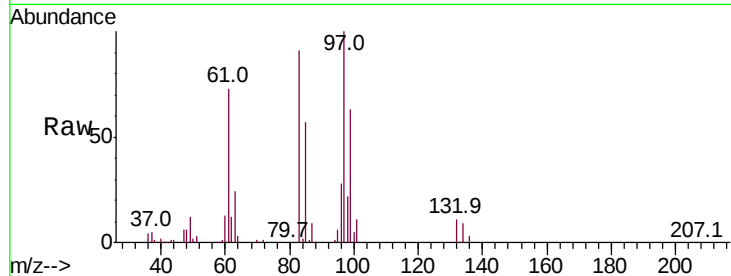




#55
 1,1,2-Trichloroethane
 Concen: 21.939 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

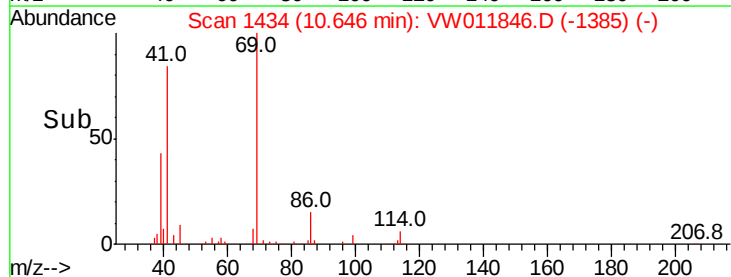
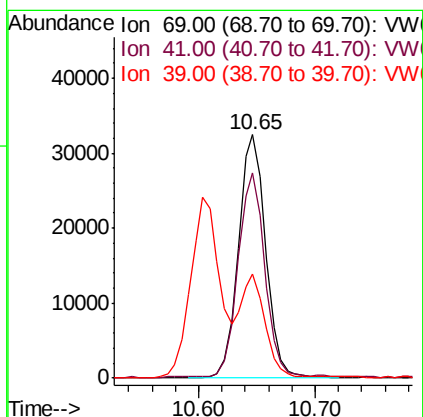
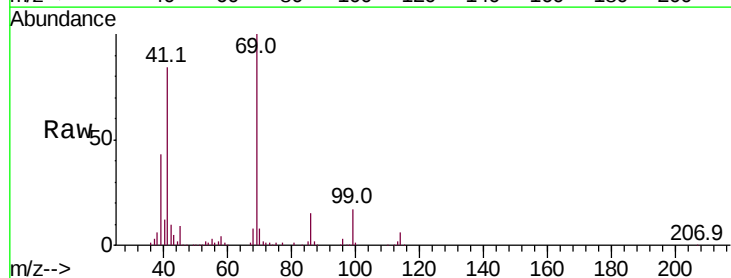
Instrument :
 MSVOA_W
 ClientSampleId :

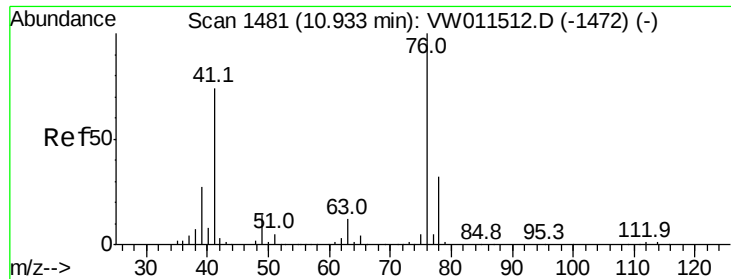
Tot Ion:	97	Resp:	37306
Ion	Ratio	Lower	Upper
97	100		
83	90.9	70.5	105.7
85	56.6	45.8	68.6
99	63.3	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 21.276 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion:	69	Resp:	52942
Ion	Ratio	Lower	Upper
69	100		
41	81.3	66.6	99.8
39	38.5	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.726 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

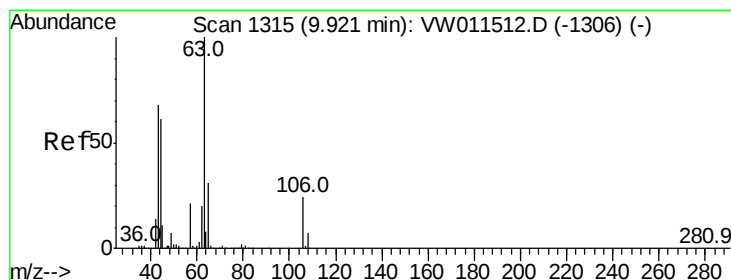
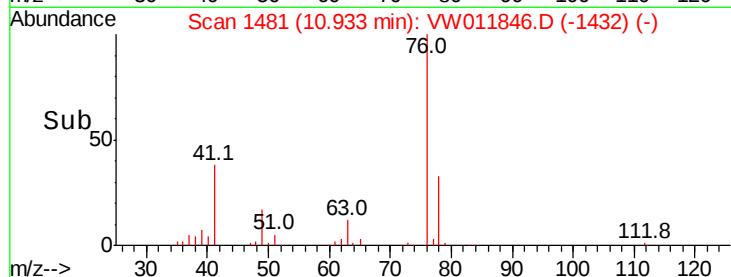
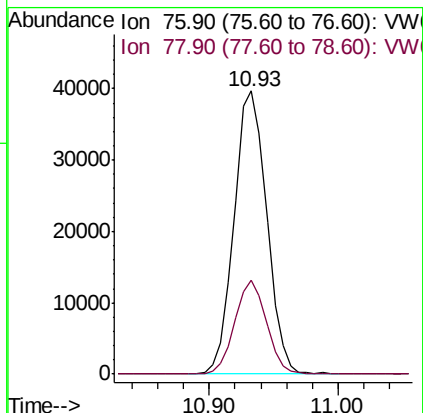
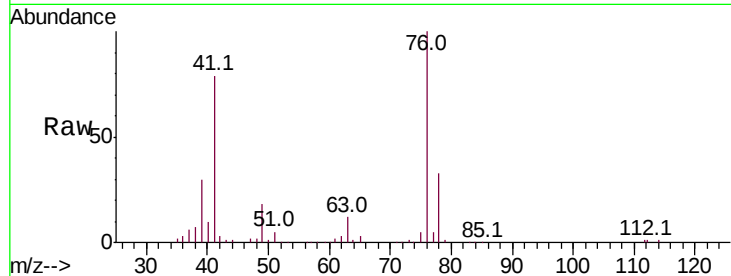
ClientSampled :

Tot Ion: 76 Resp: 69896

Ion Ratio Lower Upper

76 100

78 32.1 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 119.010 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011846.D

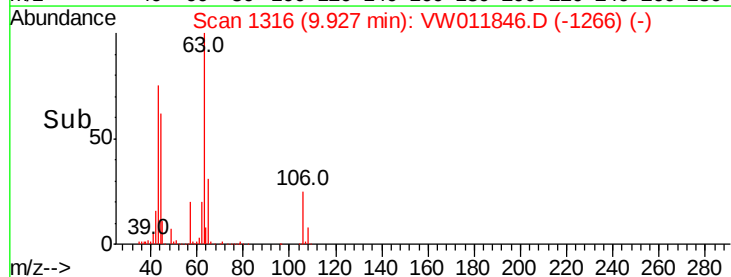
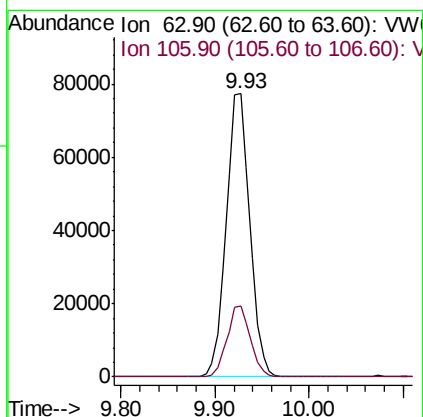
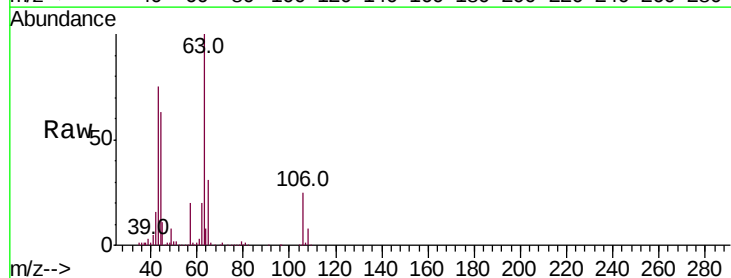
Acq: 12 Aug 2019 12:41

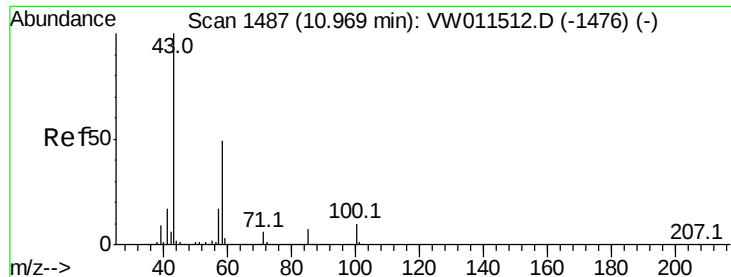
Tgt Ion: 63 Resp: 134458

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5

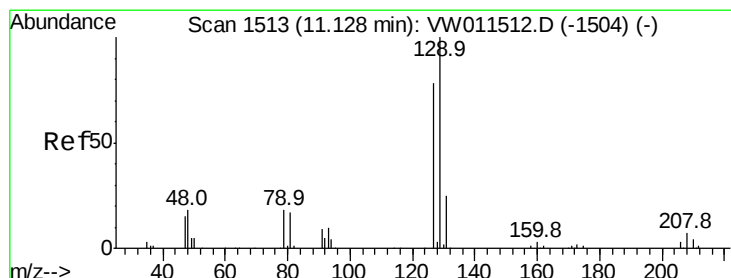
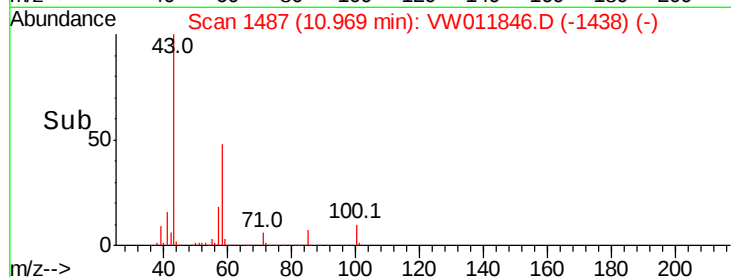
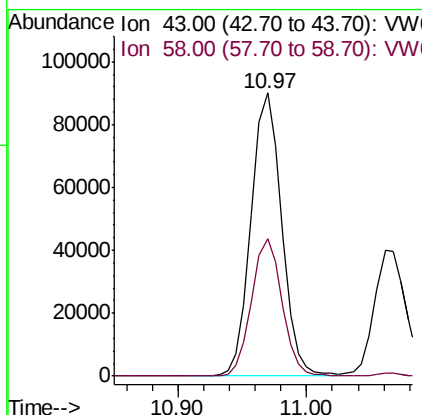
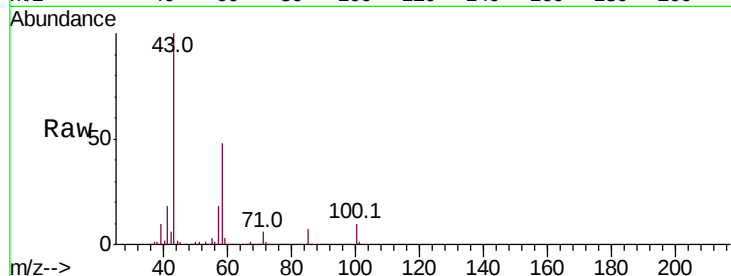




#59
2-Hexanone
Concen: 108.486 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

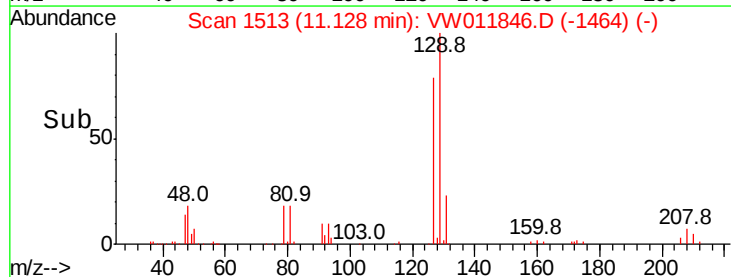
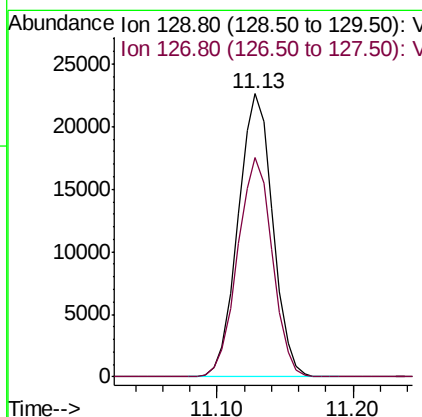
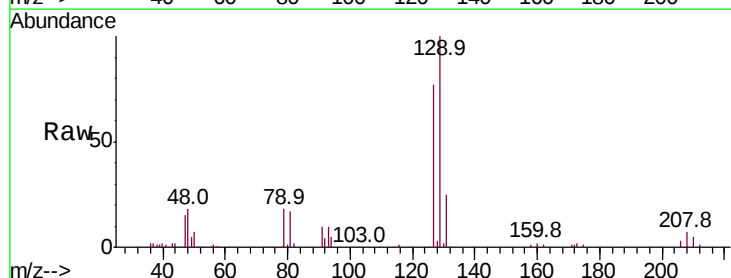
Instrument :
MSVOA_W
ClientSampleId :

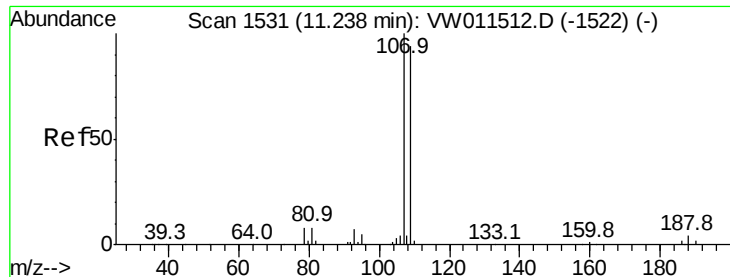
Tot Ion: 43 Resp: 147699
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9



#60
Dibromochloromethane
Concen: 21.324 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion: 129 Resp: 40250
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

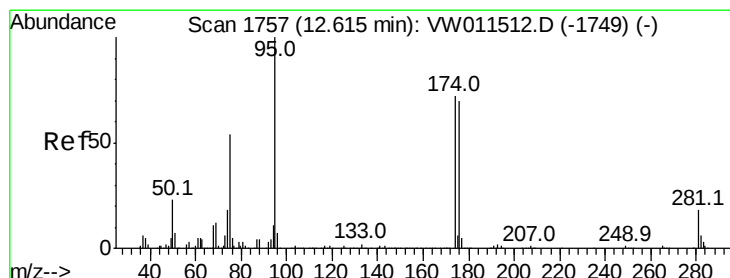
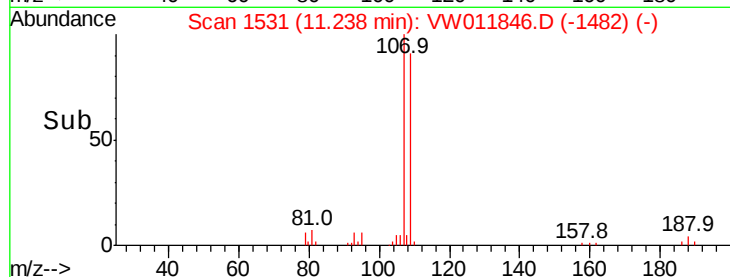
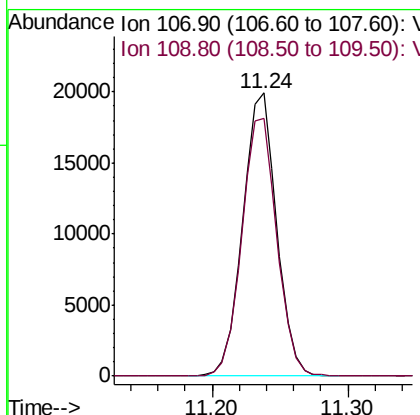
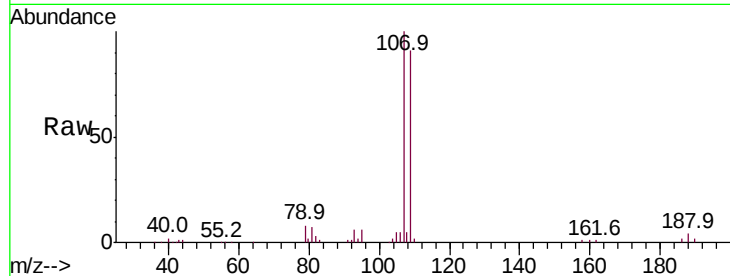




#61
 1,2-Dibromoethane
 Concen: 21.524 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

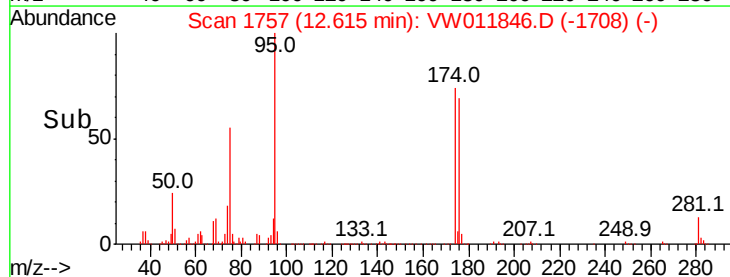
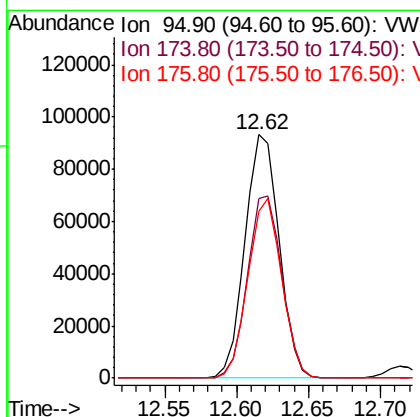
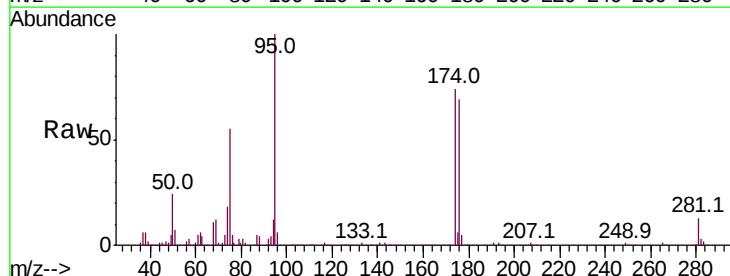
Instrument :
 MSVOA_W
 ClientSampleId :

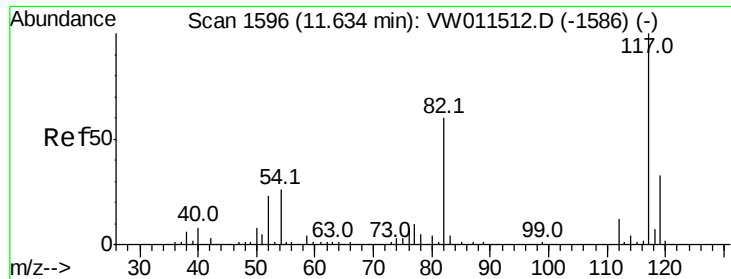
Tot Ion:107 Resp: 34637
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 55.348 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion: 95 Resp: 152721
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 150.2
 176 72.6 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: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

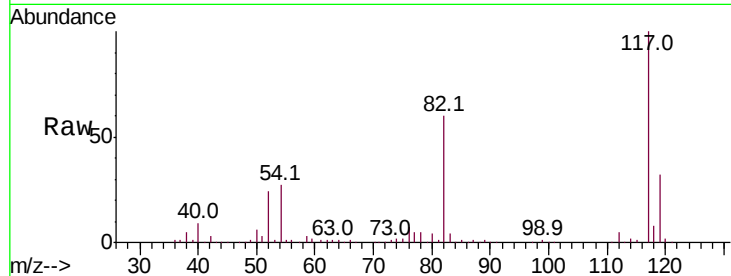
Tot Ion:117 Resp: 293207

Ion Ratio Lower Upper

117 100

82 60.1 47.9 71.9

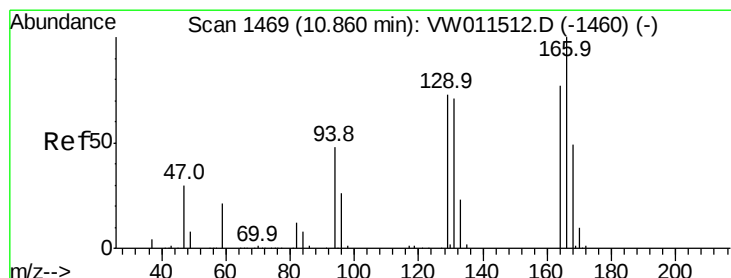
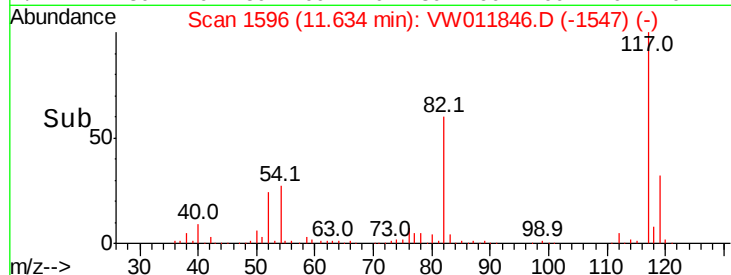
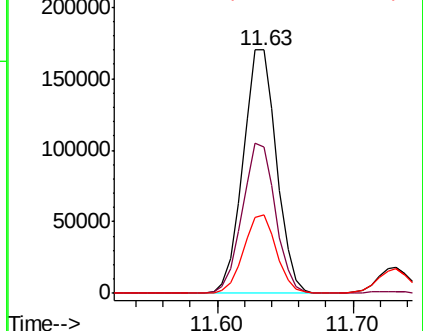
119 32.5 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VV

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 22.097 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:164 Resp: 42186

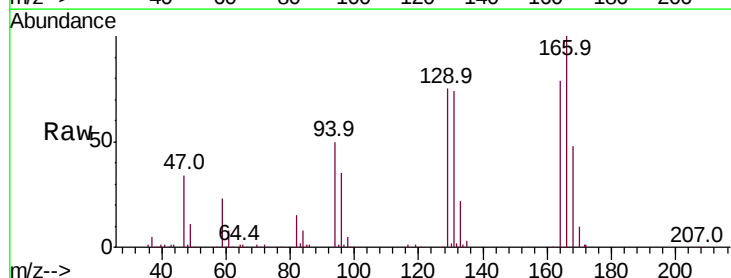
Ion Ratio Lower Upper

164 100

166 126.6 103.5 155.3

129 95.3 75.2 112.8

131 93.7 73.4 110.2

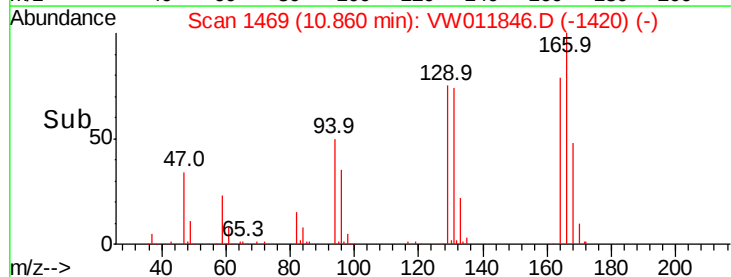
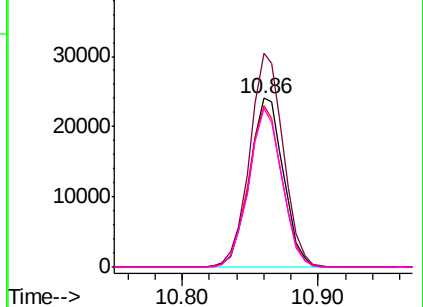


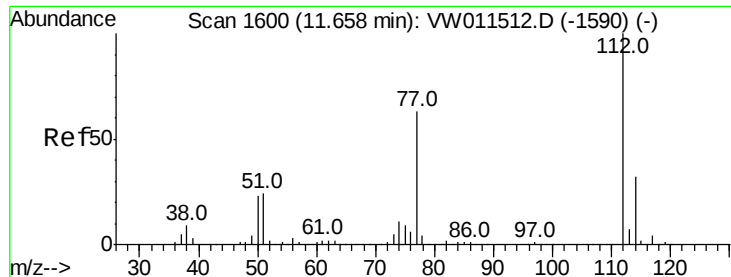
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

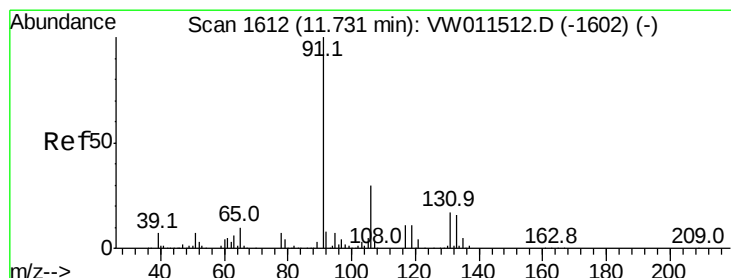
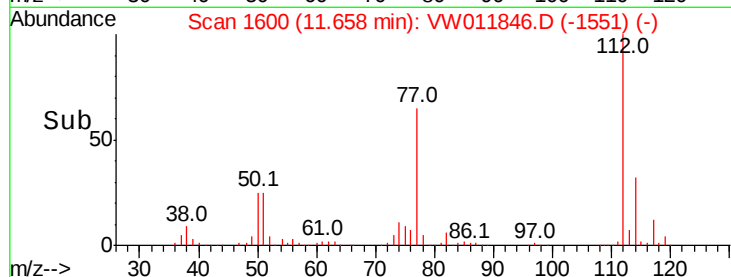
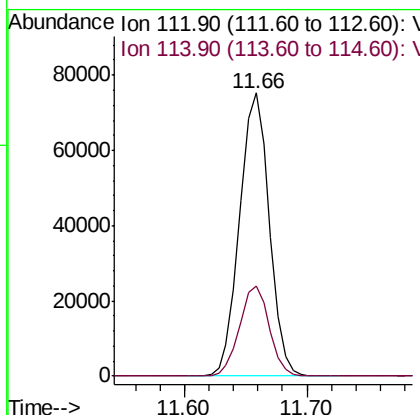
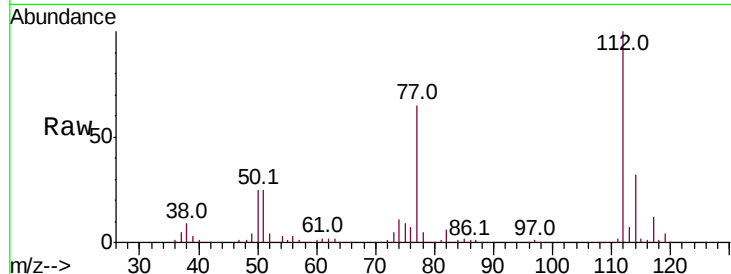




#65
Chlorobenzene
Concen: 21.500 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

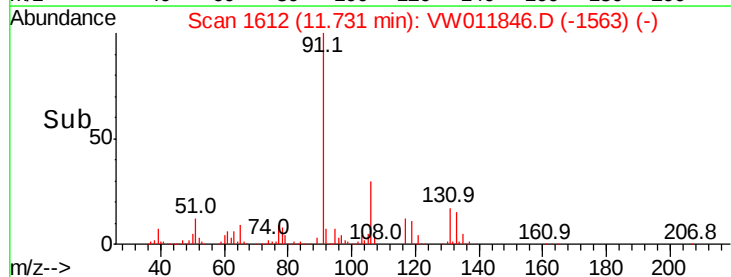
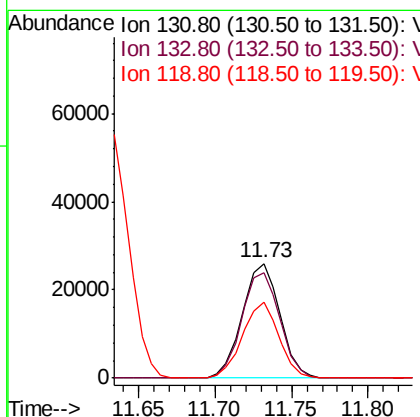
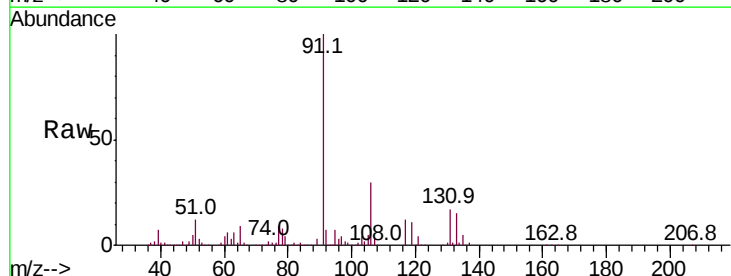
Instrument :
MSVOA_W
ClientSampleId :

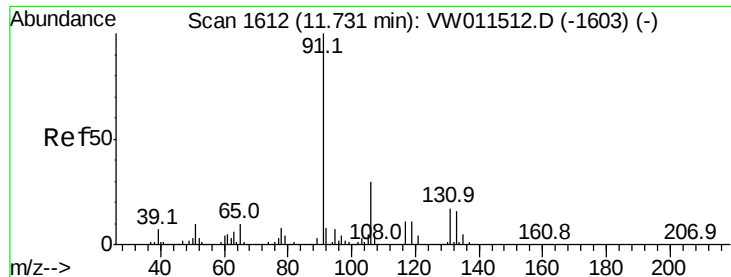
Tot Ion:112 Resp: 126740
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.572 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion:131 Resp: 44294
Ion Ratio Lower Upper
131 100
133 93.6 47.4 142.2
119 64.2 32.3 96.9

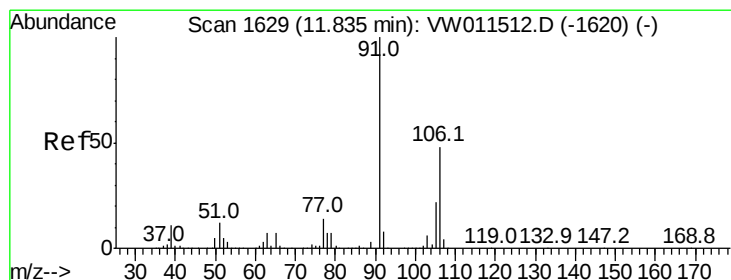
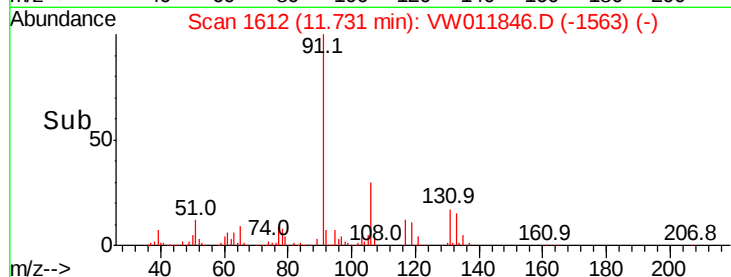
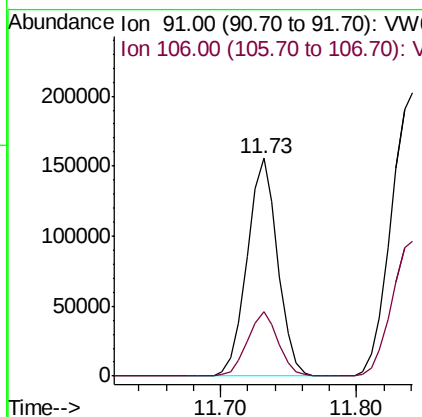
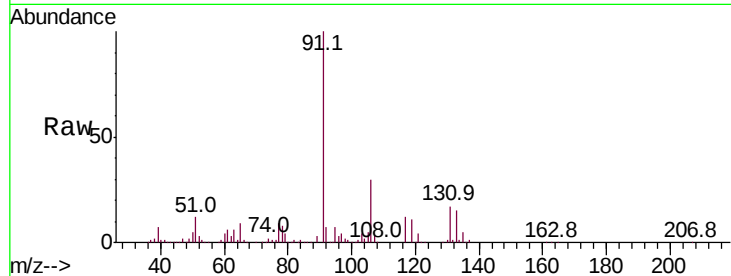




#67
Ethyl Benzene
Concen: 21.758 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

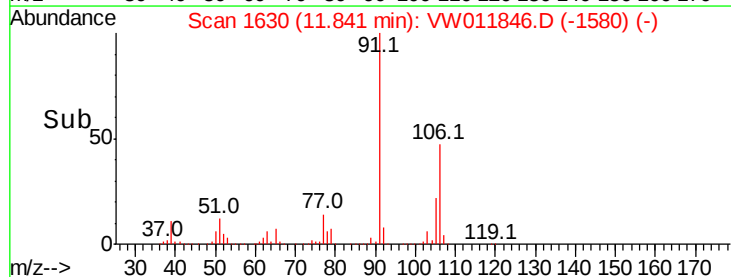
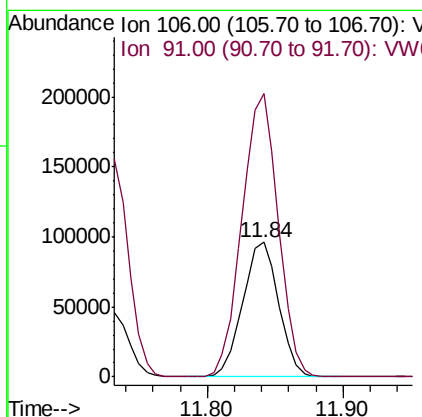
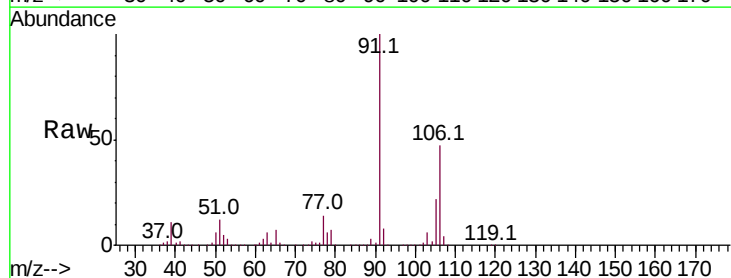
Instrument :
MSVOA_W
ClientSampled :

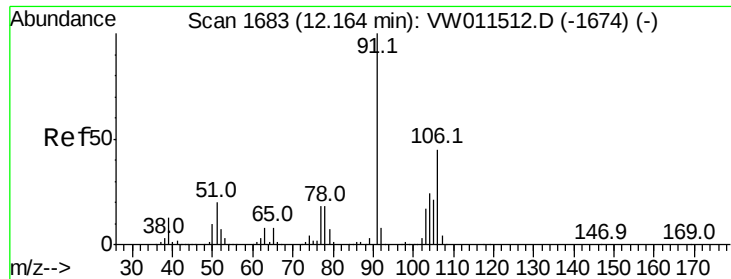
Tot Ion: 91 Resp: 244277
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6



#68
m/p-Xylenes
Concen: 43.642 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion: 106 Resp: 178185
Ion Ratio Lower Upper
106 100
91 211.7 168.2 252.2

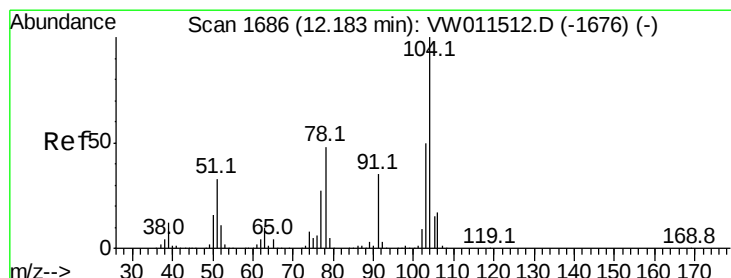
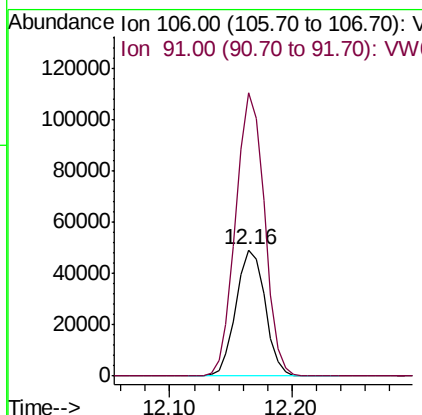
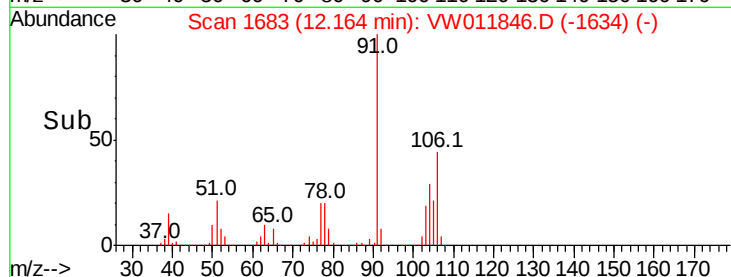
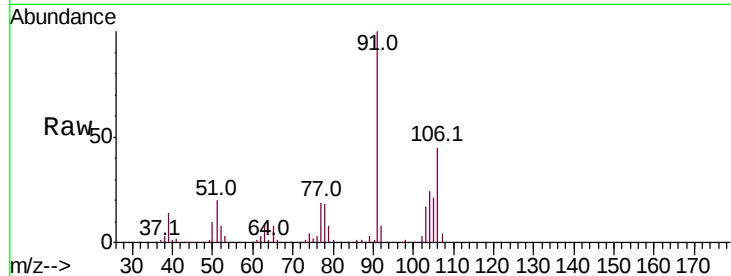




#69
o-Xylene
Concen: 21.438 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

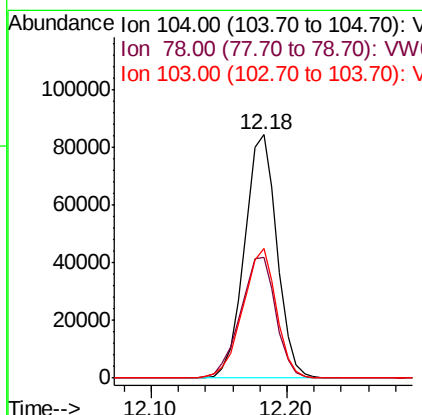
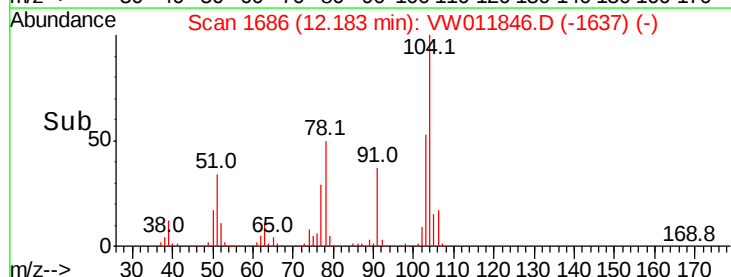
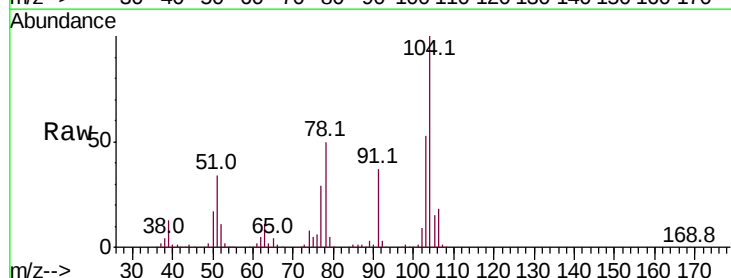
Instrument :
MSVOA_W
ClientSampled :

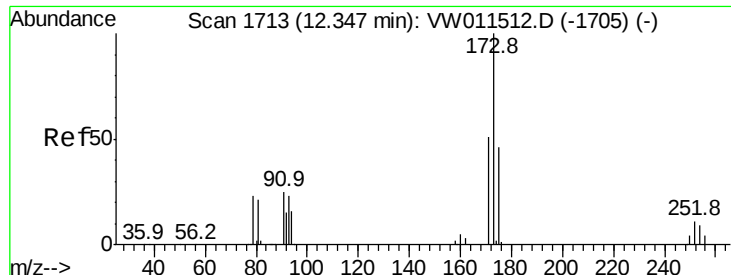
Tot Ion:106 Resp: 81338
Ion Ratio Lower Upper
106 100
91 222.6 110.5 331.5



#70
Styrene
Concen: 21.477 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion:104 Resp: 140889
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 21.589 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

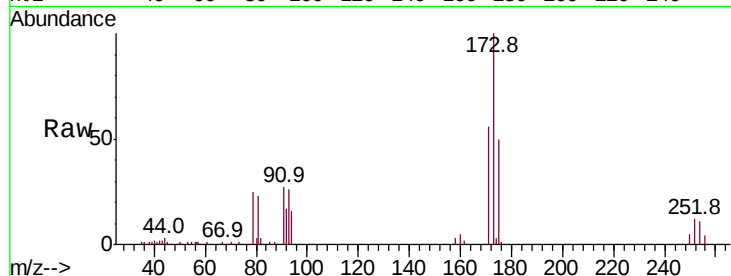
Tot Ion:173 Resp: 22602

Ion Ratio Lower Upper

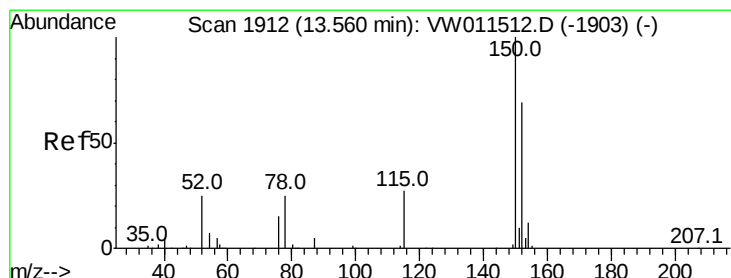
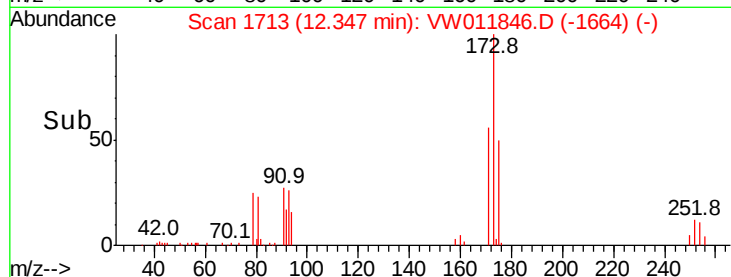
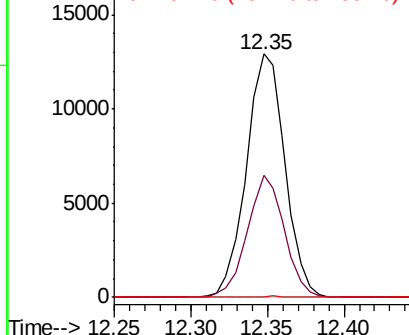
173 100

175 48.0 23.6 71.0

254 0.1 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: VW011846.D

Acq: 12 Aug 2019 12:41

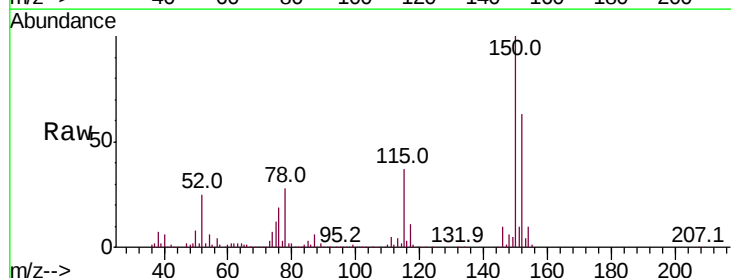
Tgt Ion:152 Resp: 144008

Ion Ratio Lower Upper

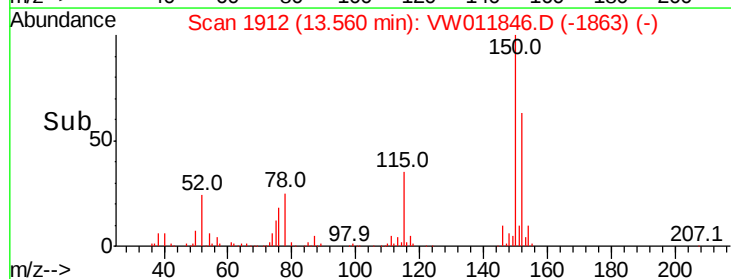
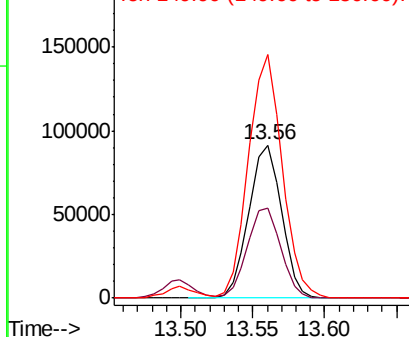
152 100

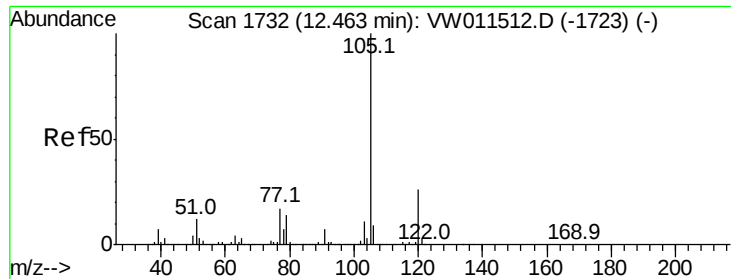
115 60.1 30.5 91.5

150 164.0 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

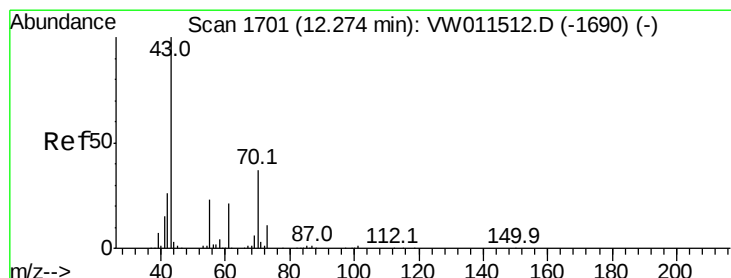
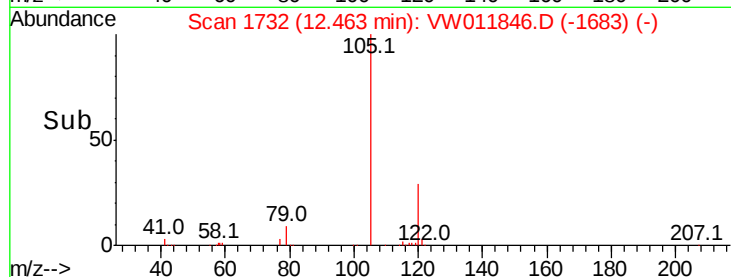
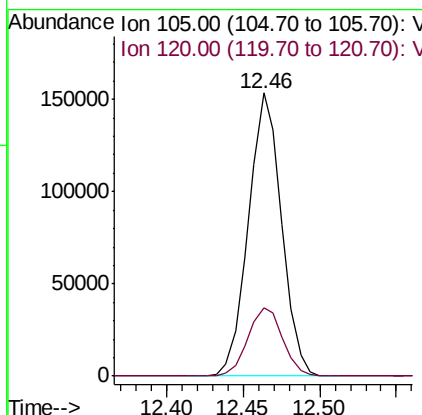
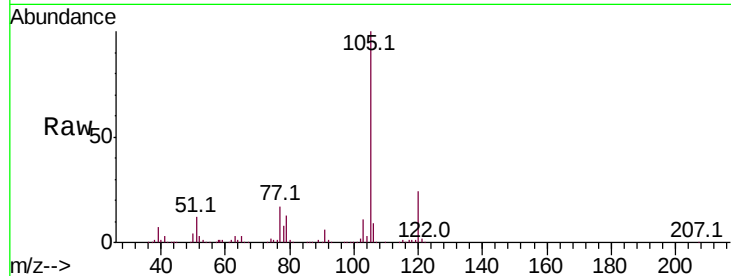




#73
Isopropylbenzene
Concen: 21.472 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

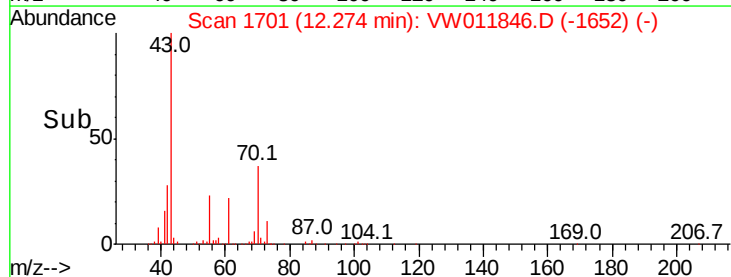
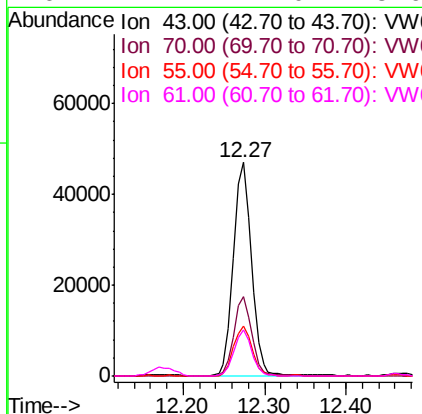
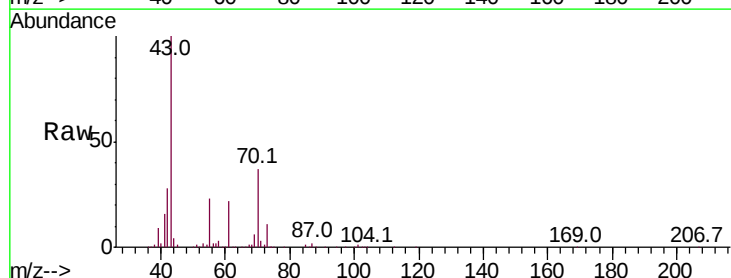
Instrument :
MSVOA_W
ClientSampleId :

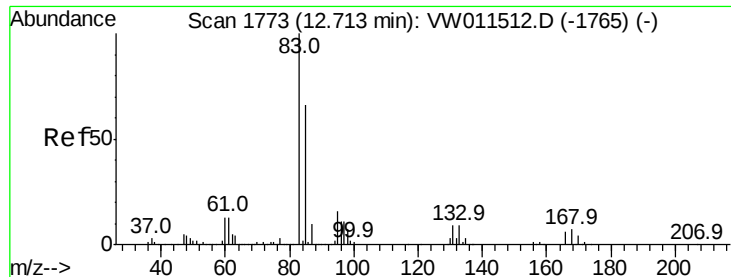
Tot Ion:105 Resp: 230680
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.7



#74
N-ethyl acetate
Concen: 21.293 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion: 43 Resp: 71620
Ion Ratio Lower Upper
43 100
70 36.5 28.6 43.0
55 23.9 17.8 26.8
61 21.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.058 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

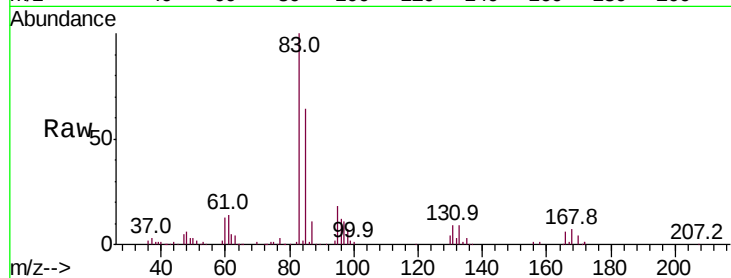
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 83 Resp: 44575

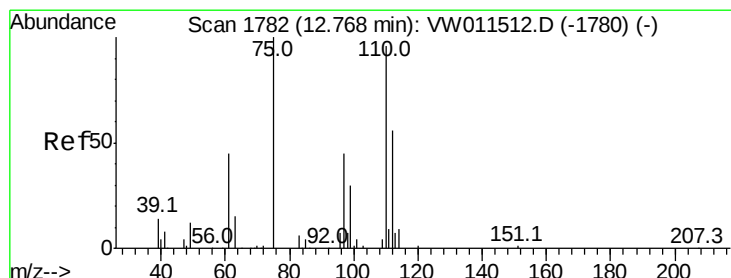
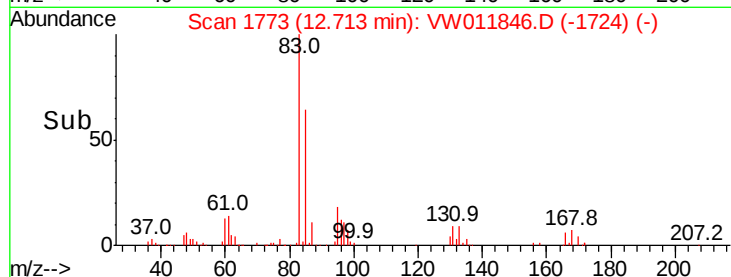
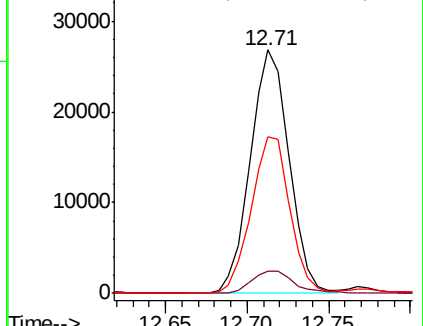
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	64.4	31.8	95.4



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: 38.604 ug/l

RT: 12.77 min Scan# 1782

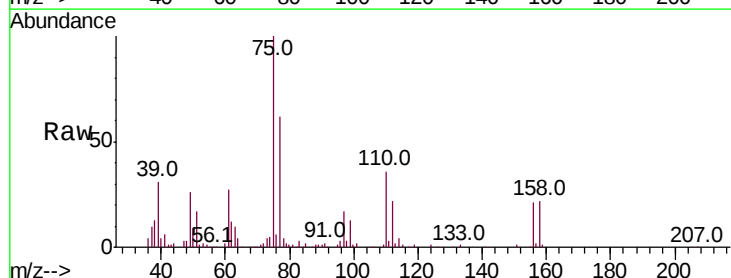
Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

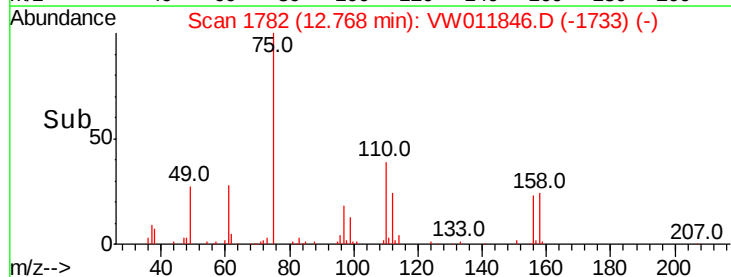
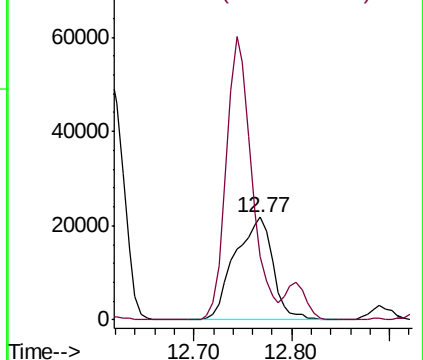
Tgt Ion: 75 Resp: 58824

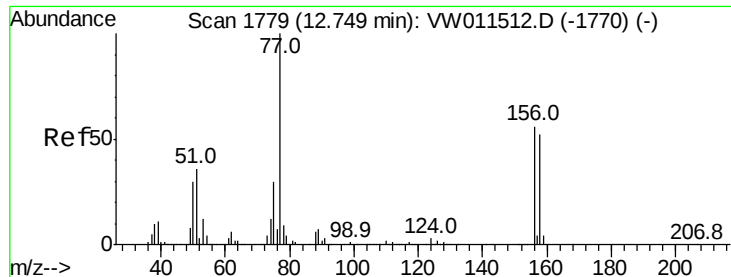
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.519 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

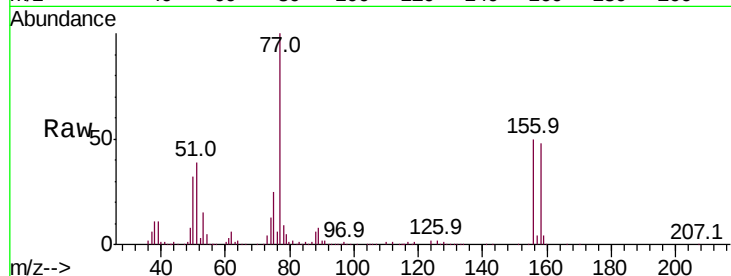
Tot Ion:156 Resp: 51098

Ion Ratio Lower Upper

156 100

77 214.5 106.5 319.4

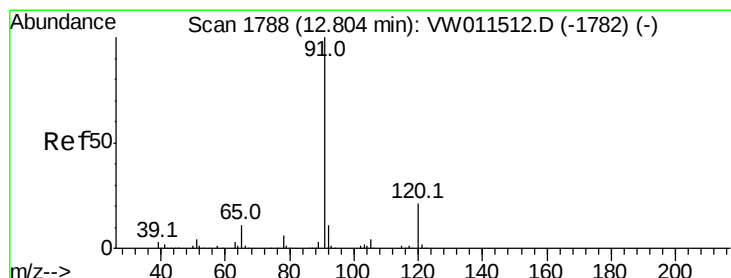
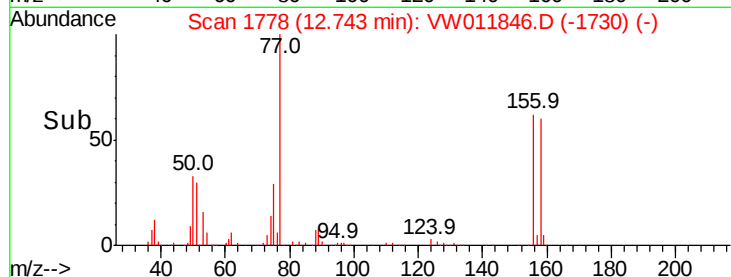
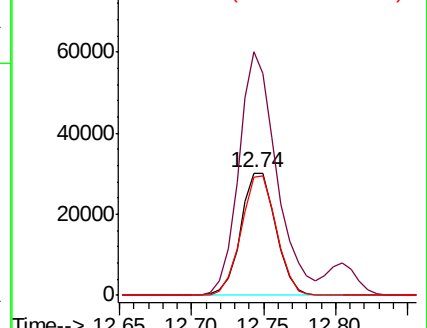
158 97.4 48.0 144.2



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: 21.849 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011846.D

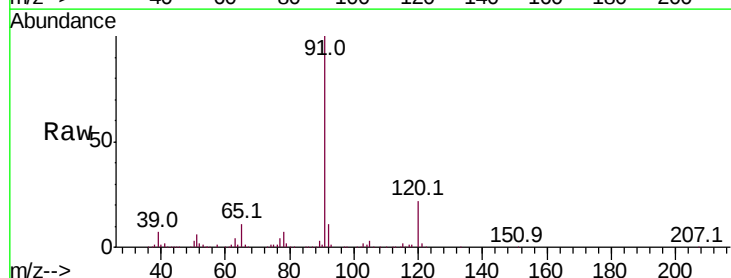
Acq: 12 Aug 2019 12:41

Tgt Ion: 91 Resp: 285672

Ion Ratio Lower Upper

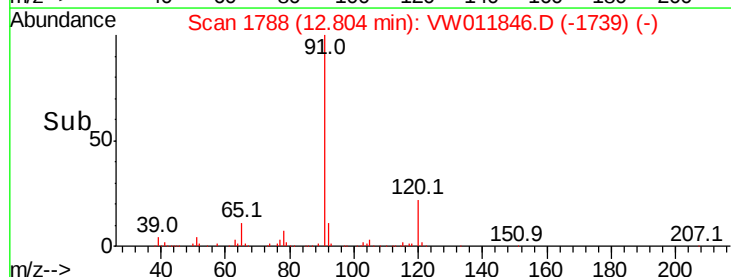
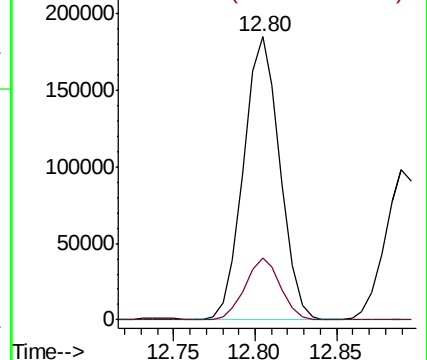
91 100

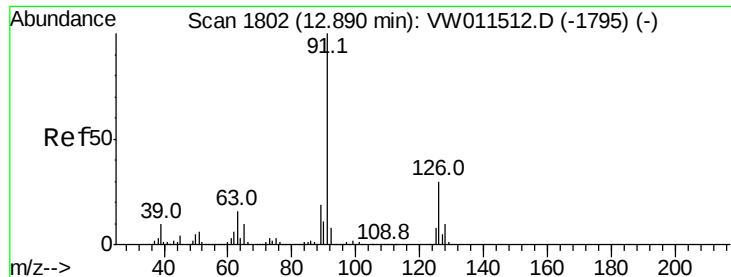
120 21.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.173 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

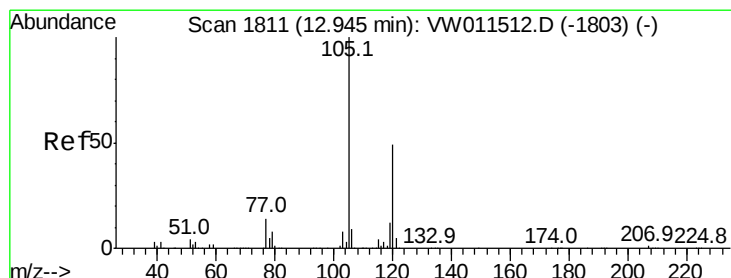
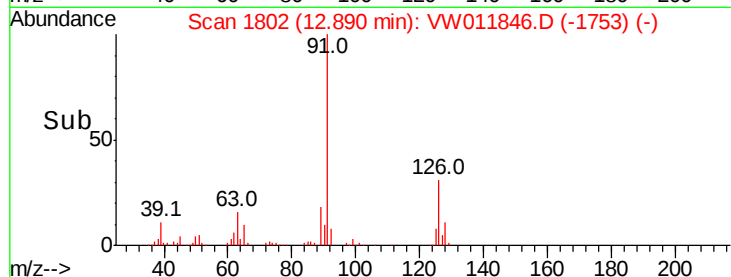
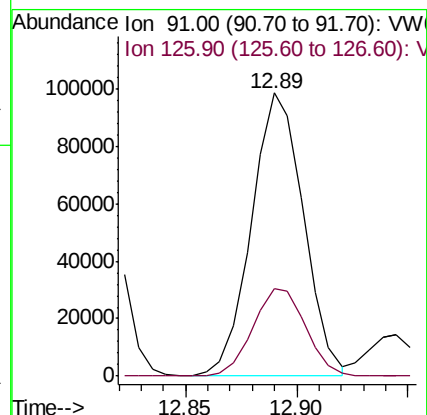
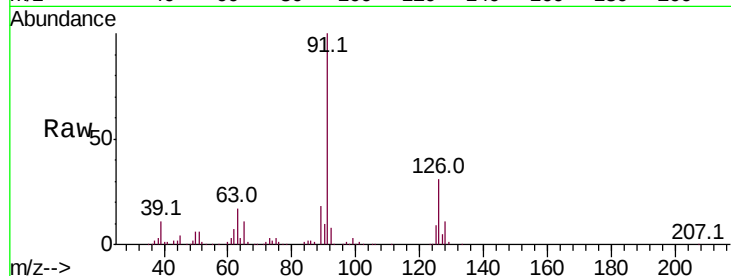
ClientSampleId :

Tot Ion: 91 Resp: 159481

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 21.900 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011846.D

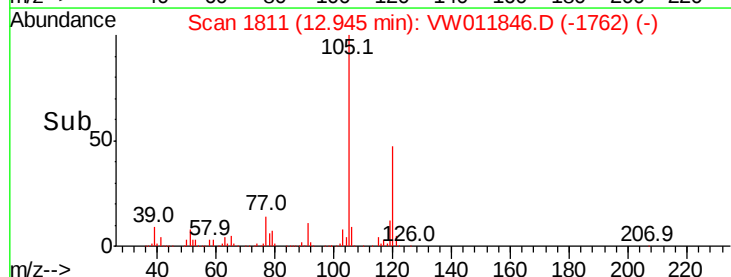
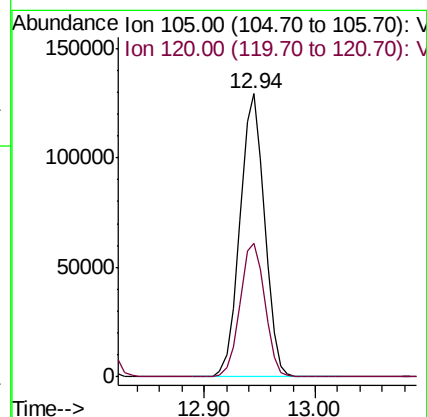
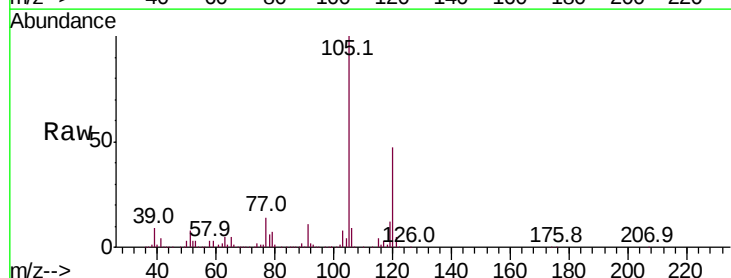
Acq: 12 Aug 2019 12:41

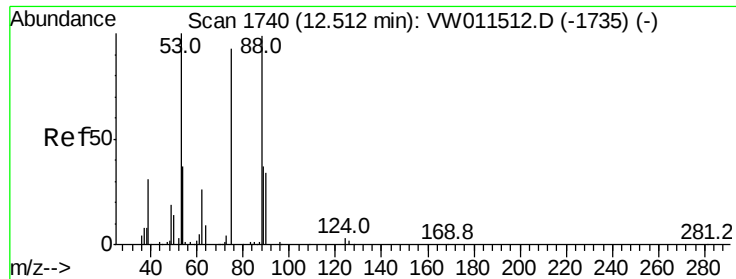
Tgt Ion:105 Resp: 197225

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.733 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

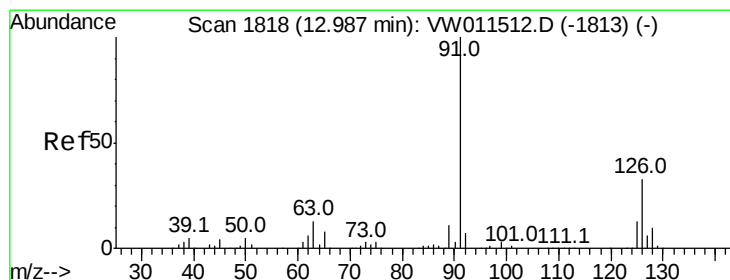
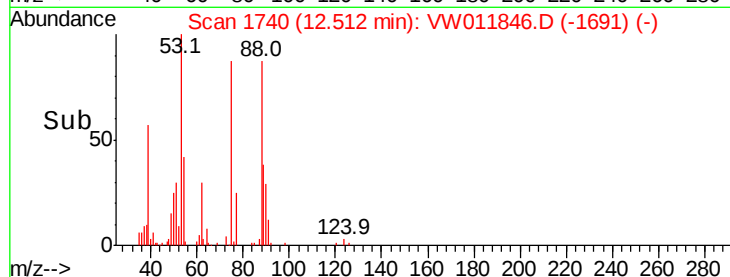
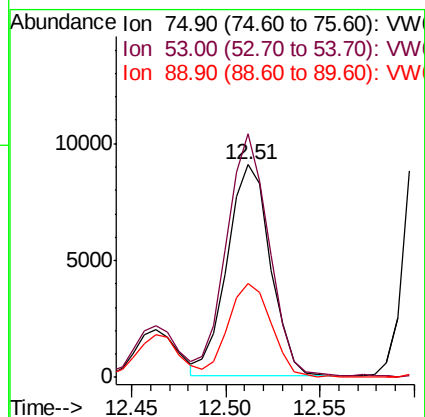
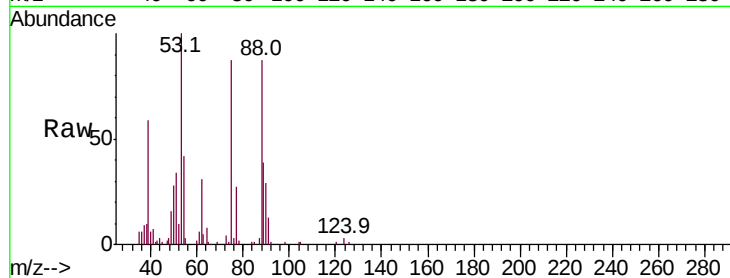
Tot Ion: 75 Resp: 14369

Ion Ratio Lower Upper

75 100

53 112.8 88.0 132.0

89 44.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.662 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011846.D

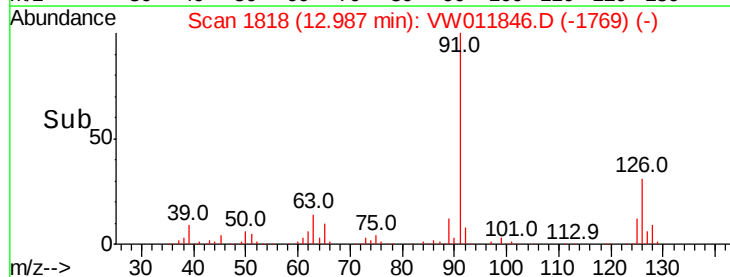
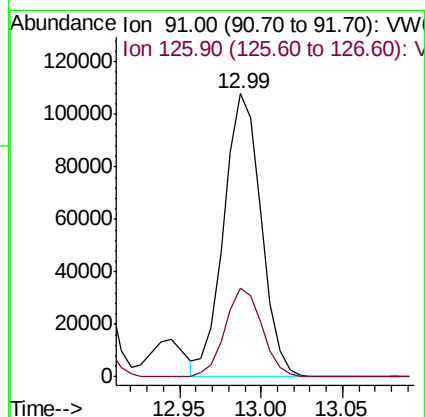
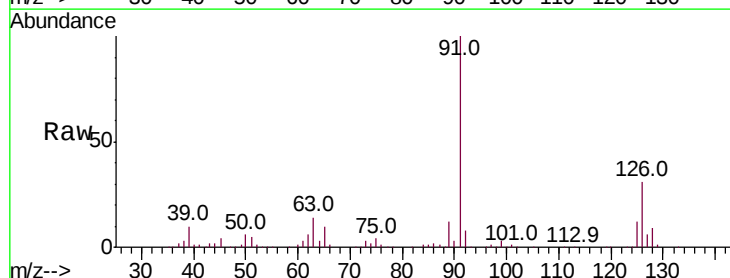
Acq: 12 Aug 2019 12:41

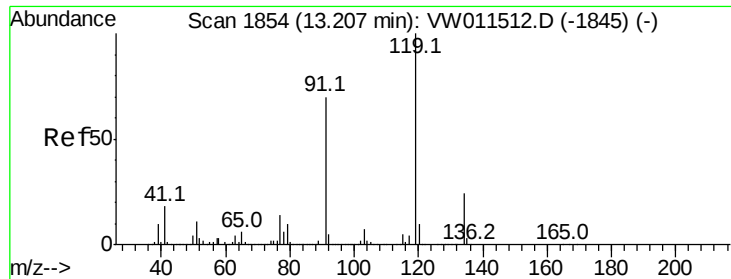
Tgt Ion: 91 Resp: 171196

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8





#83

tert-Butylbenzene

Concen: 21.821 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

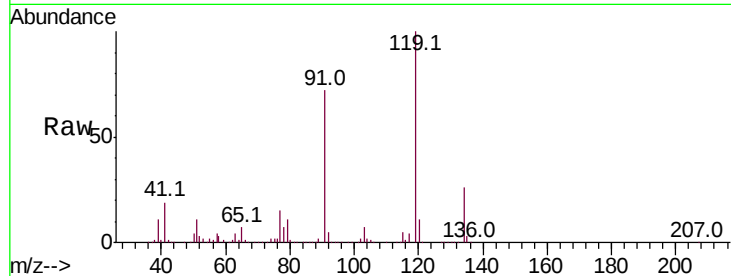
Tot Ion:119 Resp: 164333

Ion Ratio Lower Upper

119 100

91 69.4 34.5 103.6

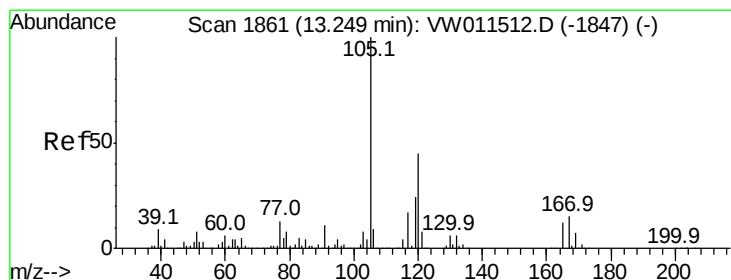
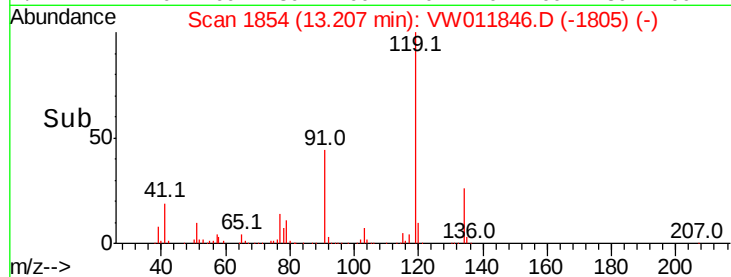
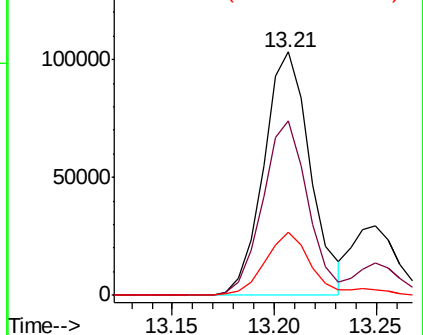
134 25.0 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.513 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011846.D

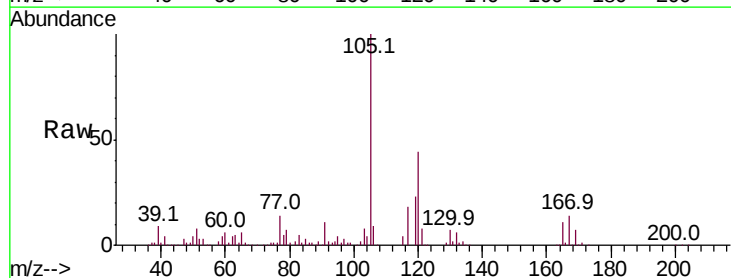
Acq: 12 Aug 2019 12:41

Tgt Ion:105 Resp: 195164

Ion Ratio Lower Upper

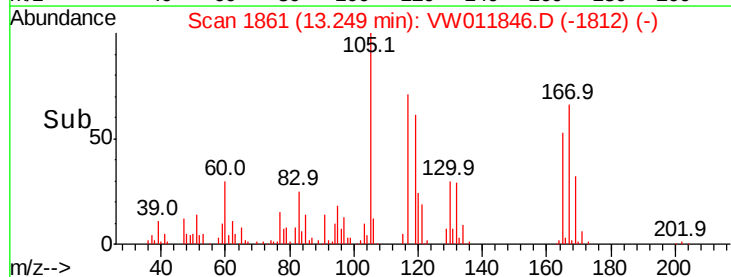
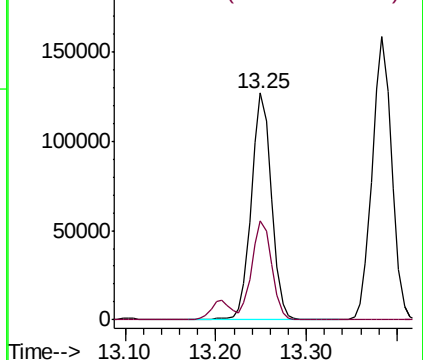
105 100

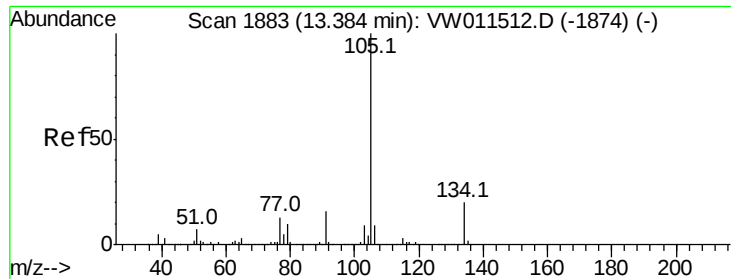
120 43.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

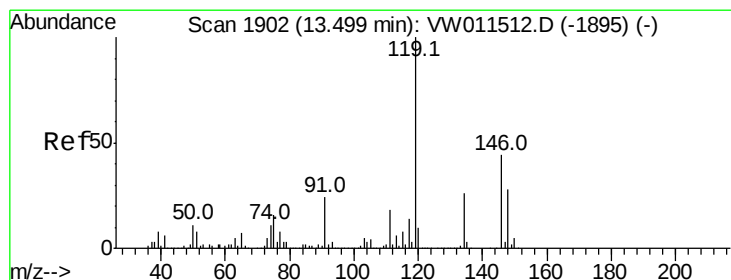
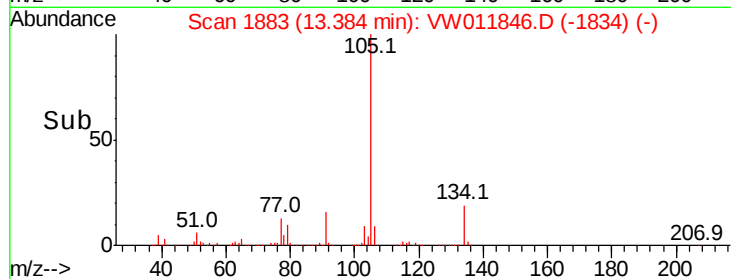
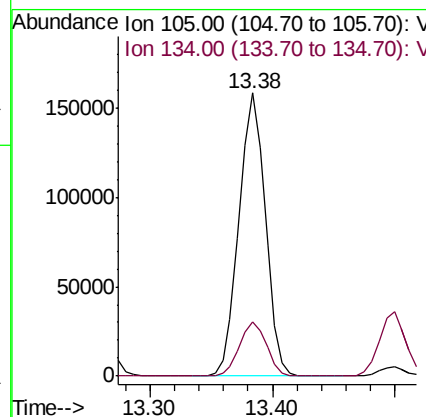
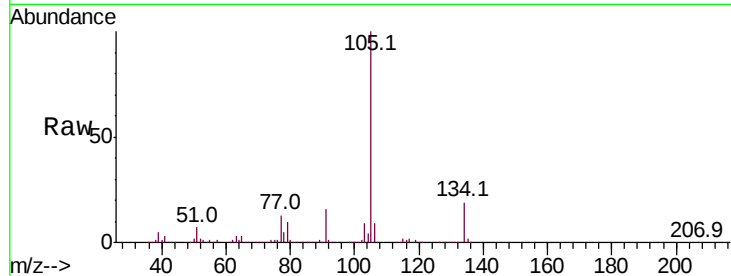




#85
 sec-Butylbenzene
 Concen: 22.006 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

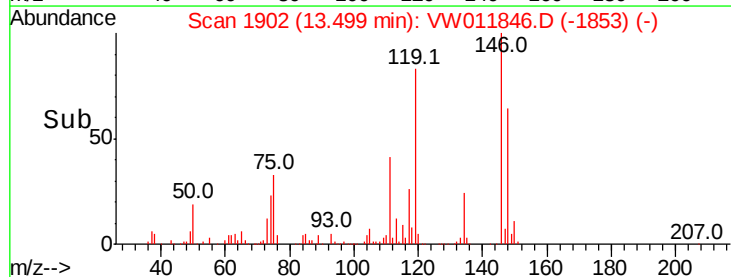
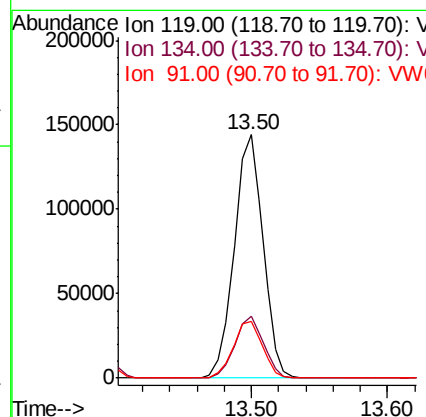
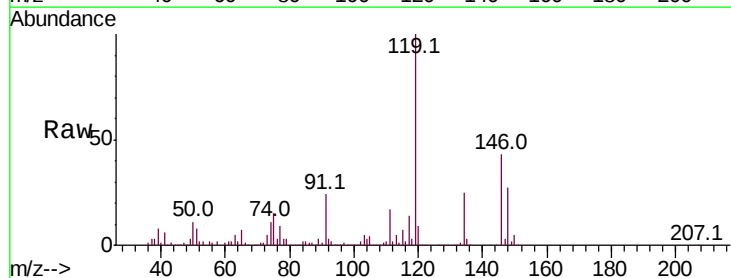
Instrument :
 MSVOA_W
 ClientSampleId :

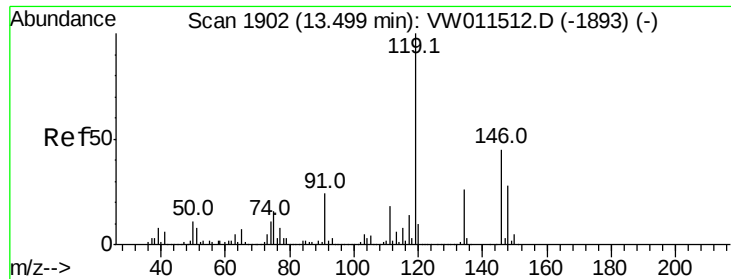
Tot Ion:105 Resp: 236466
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.644 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion:119 Resp: 211025
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 23.9 12.1 36.3

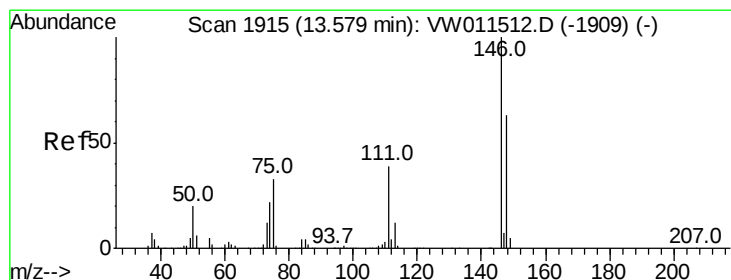
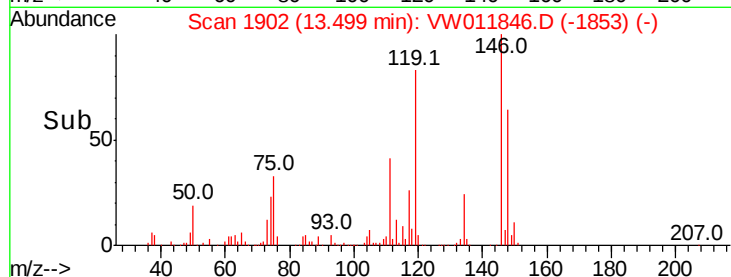
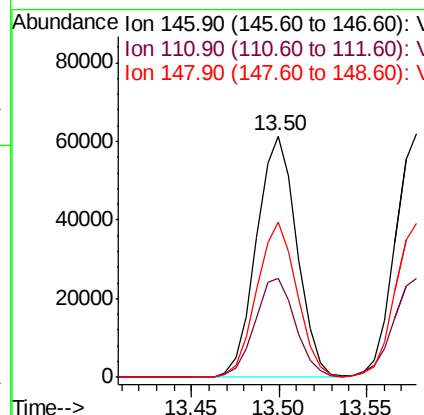
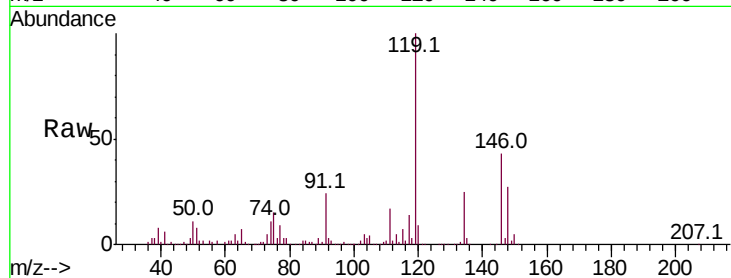




#87
 1,3-Dichlorobenzene
 Concen: 21.342 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

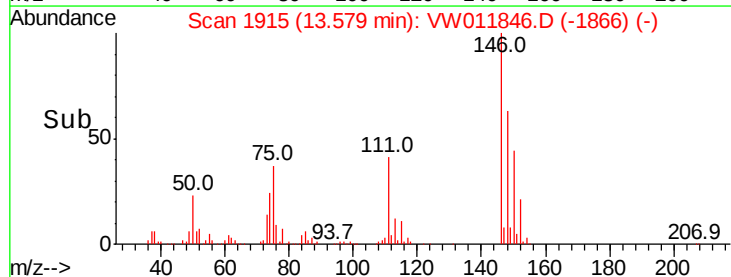
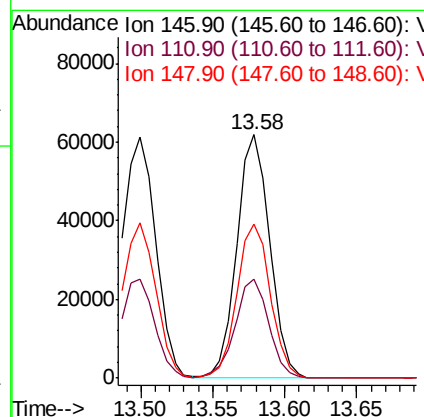
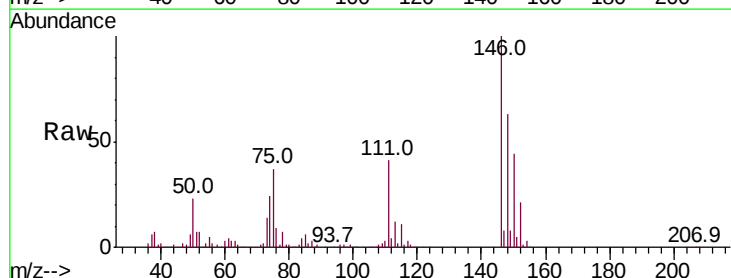
Instrument :
 MSVOA_W
 ClientSampleId :

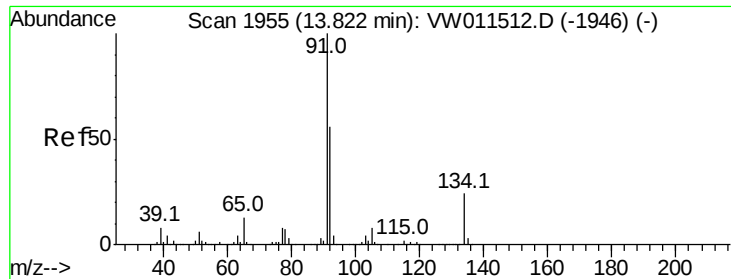
Tot Ion:146 Resp: 99370
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.5 61.6
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion:146 Resp: 98830
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.1 60.2
 148 64.3 31.9 95.9





#89

n-Butylbenzene

Concen: 21.551 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

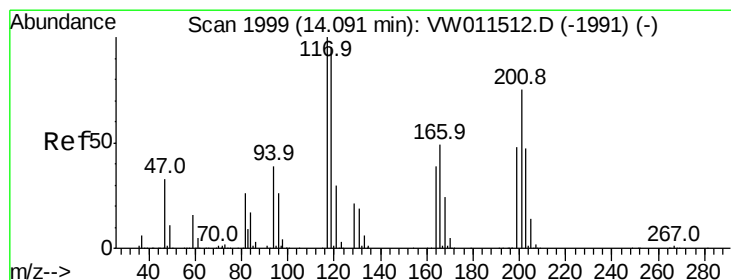
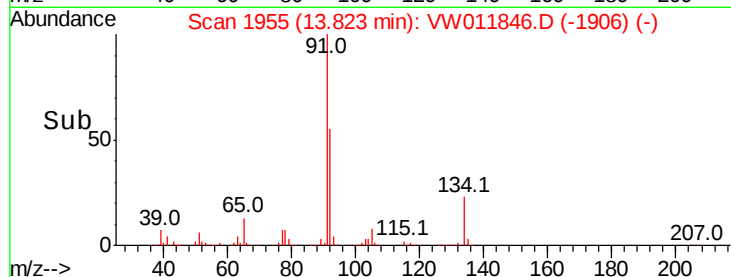
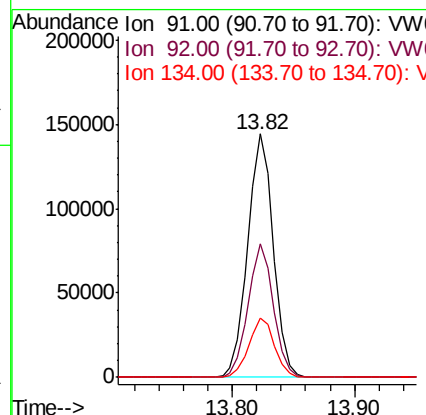
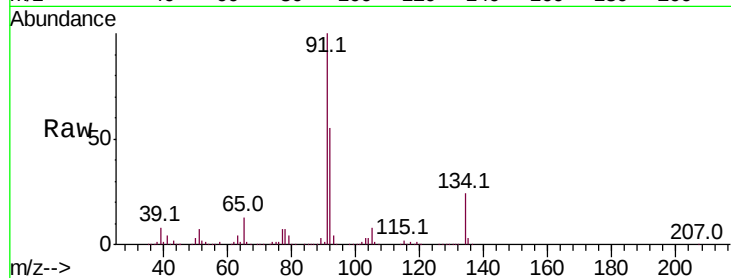
Tot Ion: 91 Resp: 209684

Ion Ratio Lower Upper

91 100

92 54.0 27.5 82.4

134 24.2 12.2 36.6



#90

Hexachloroethane

Concen: 21.230 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011846.D

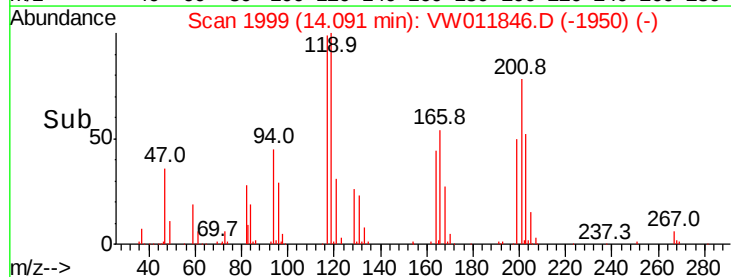
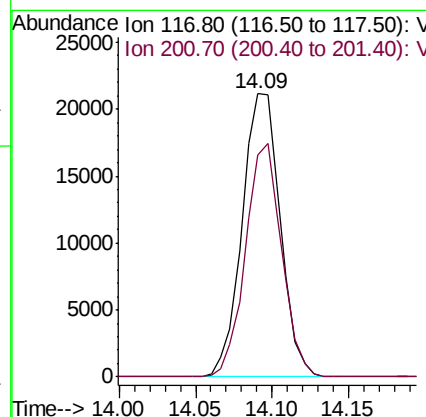
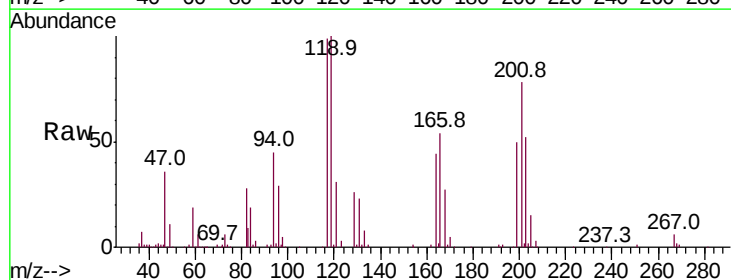
Acq: 12 Aug 2019 12:41

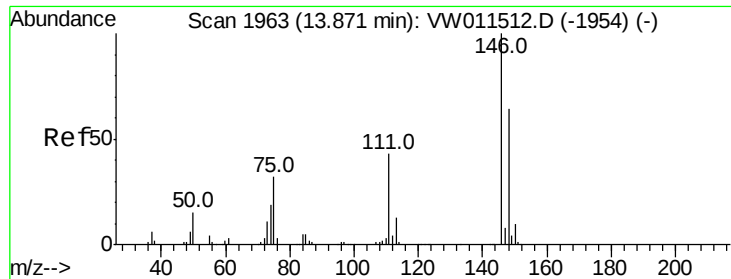
Tgt Ion: 117 Resp: 36601

Ion Ratio Lower Upper

117 100

201 78.2 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 21.484 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

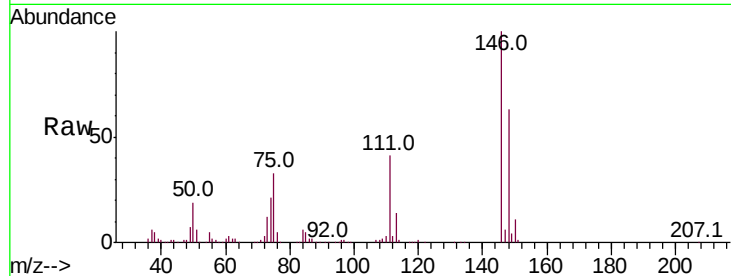
Tot Ion:146 Resp: 88472

Ion Ratio Lower Upper

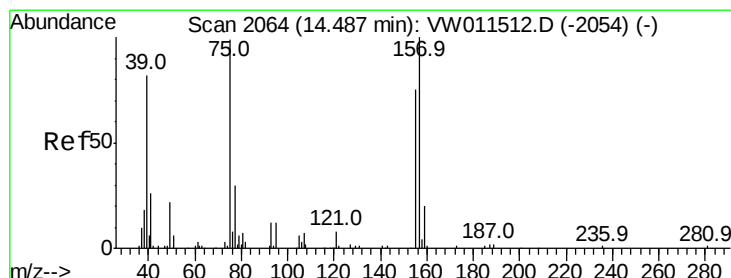
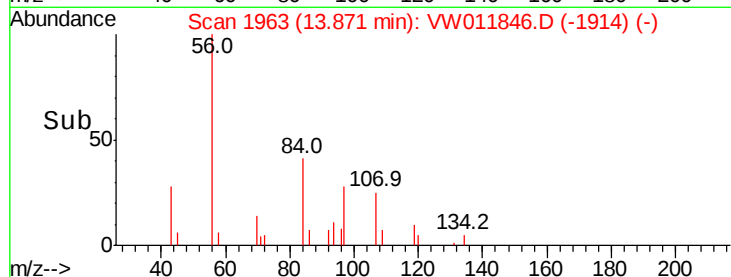
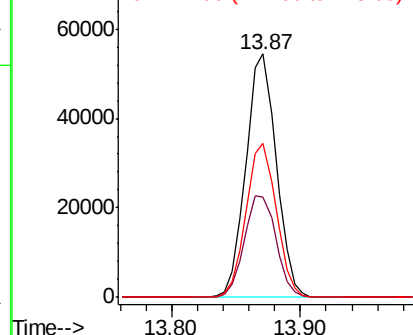
146 100

111 43.6 21.6 65.0

148 63.3 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.159 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

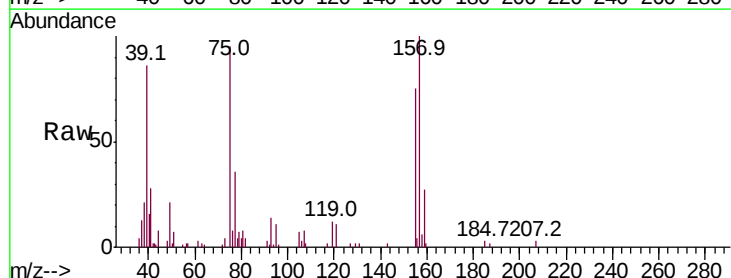
Tgt Ion: 75 Resp: 7636

Ion Ratio Lower Upper

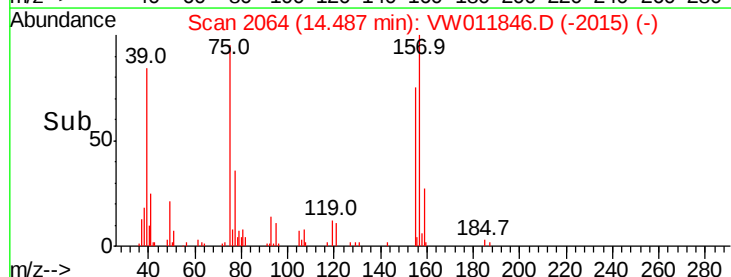
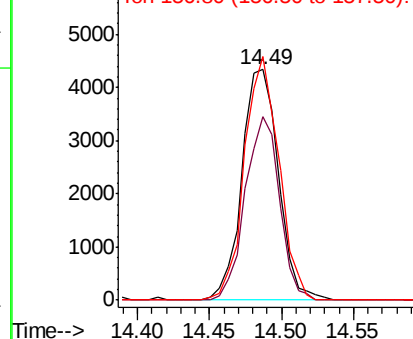
75 100

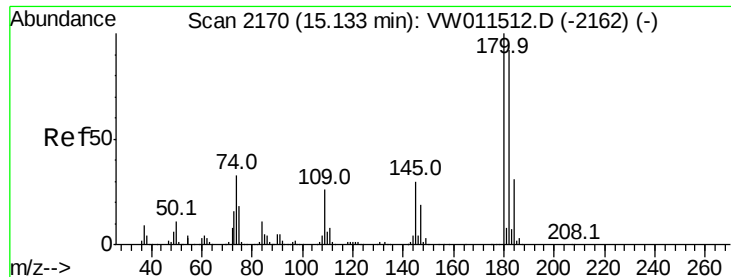
155 74.1 38.2 114.6

157 99.4 48.9 146.7



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

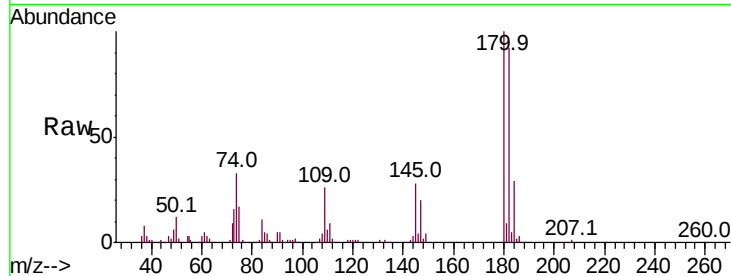




#93
 1,2,4-Trichlorobenzene
 Concen: 20.535 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.2
145	29.9	15.4	46.1

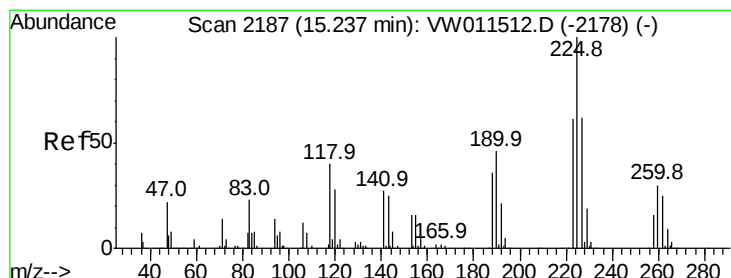
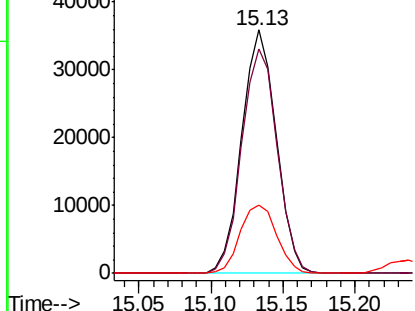
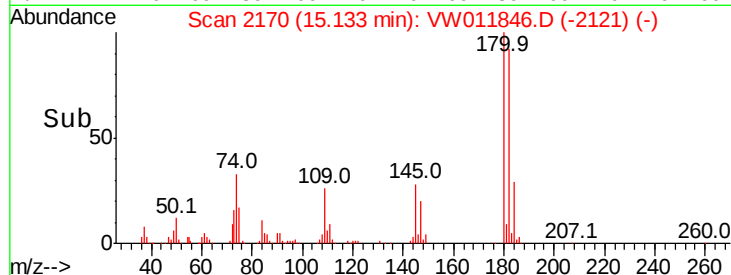


Abundance

Ion 179.80 (179.50 to 180.50): V

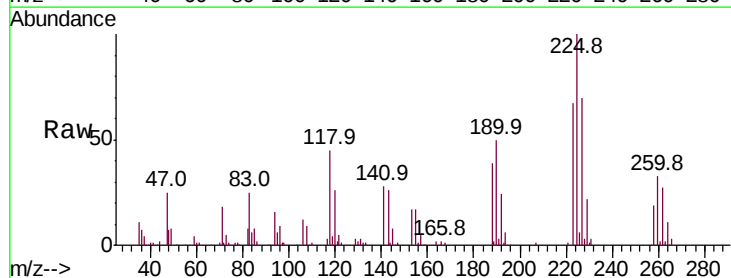
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.831 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.8	92.3
227	64.7	31.6	94.7

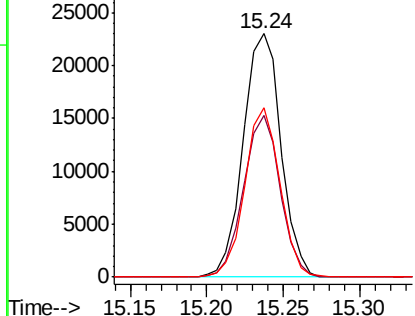
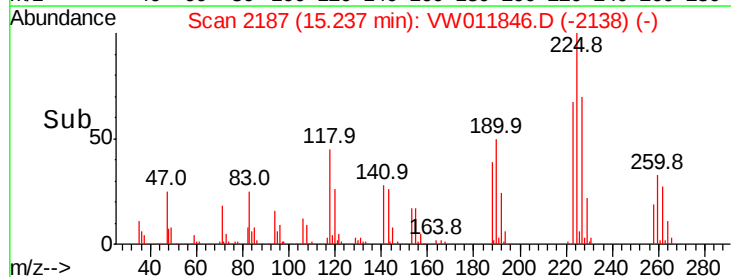


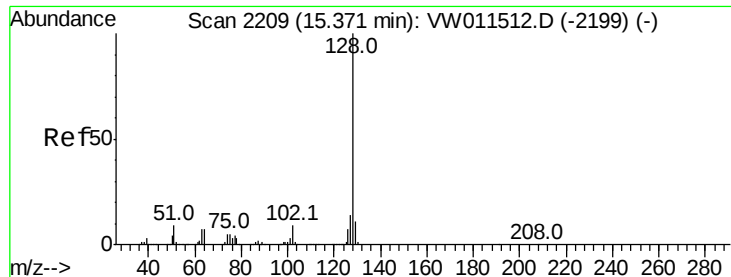
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

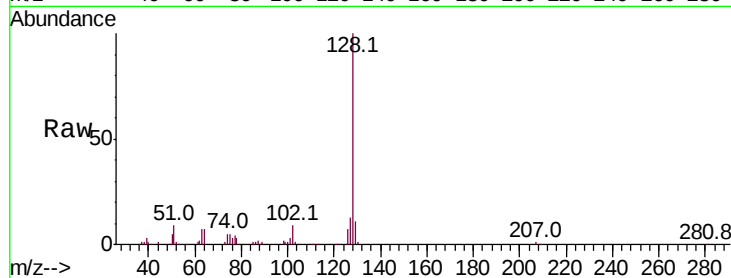




#95
Naphthalene
Concen: 19.930 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.0	8.6	13.0

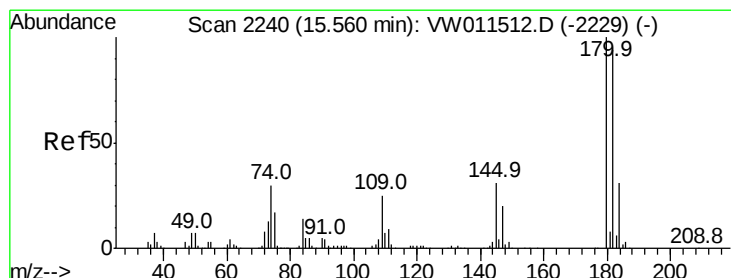
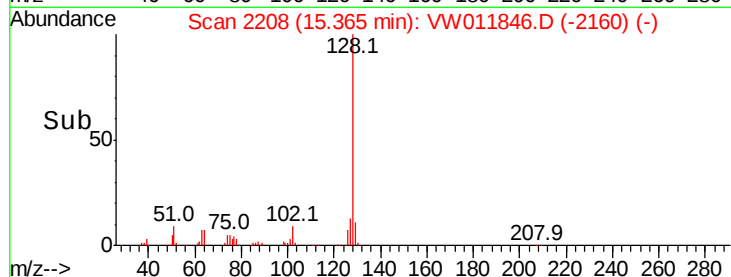
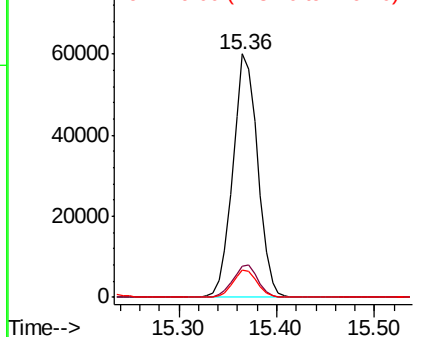


Abundance

Ion 128.00 (127.70 to 128.70): V

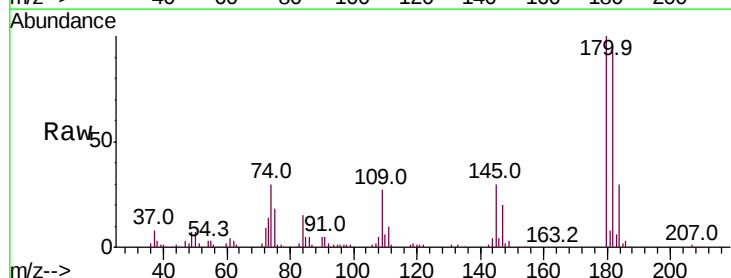
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.559 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	31.9	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

