

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011161.D
 Acq On : 08 Jul 2019 13:30
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 09 06:52:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167399	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	146779	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.88	113	117596	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.32	98	481238	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	172441	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	86976	47.568	ug/l	98
3) Chloromethane	2.21	50	115294	48.935	ug/l	96
4) Vinyl Chloride	2.36	62	148303	48.091	ug/l	97
5) Bromomethane	2.77	94	77586	50.069	ug/l	96
6) Chloroethane	2.92	64	82800	49.850	ug/l	99
7) Trichlorofluoromethane	3.24	101	60323	55.064	ug/l	95
8) Diethyl Ether	3.67	74	75320	49.690	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	129738	49.441	ug/l	100
10) Methyl Iodide	4.27	142	178069	49.339	ug/l	99
11) Tert butyl alcohol	5.16	59	53424	234.235	ug/l	98
12) 1,1-Dichloroethene	4.04	96	134367	49.335	ug/l	97
13) Acrolein	3.89	56	42621	234.675	ug/l	99
14) Allyl chloride	4.66	41	255528	51.450	ug/l	99
15) Acrylonitrile	5.36	53	184845	239.441	ug/l	99
16) Acetone	4.12	43	208894	281.820	ug/l	99
17) Carbon Disulfide	4.38	76	412816	49.996	ug/l	99
18) Methyl Acetate	4.67	43	89493	42.237	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	201171	48.680	ug/l	99
20) Methylene Chloride	4.92	84	139830	47.820	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	139740	49.378	ug/l	97
22) Diisopropyl ether	6.31	45	521286	48.800	ug/l	98
23) Vinyl Acetate	6.24	43	1733564	262.231	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276941	49.372	ug/l	99
25) 2-Butanone	7.17	43	295719	254.155	ug/l	98
26) 2,2-Dichloropropane	7.17	77	148878	51.059	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	150518	49.305	ug/l	99
28) Bromochloromethane	7.51	49	107485	42.142	ug/l #	99
29) Tetrahydrofuran	7.52	42	183500	240.516	ug/l	99
30) Chloroform	7.67	83	248394	47.816	ug/l	99
31) Cyclohexane	7.95	56	289380	48.493	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	196982	49.848	ug/l	99
36) 1,1-Dichloropropene	8.08	75	214770	50.638	ug/l	100
37) Ethyl Acetate	7.24	43	123912	48.625	ug/l	99
38) Carbon Tetrachloride	8.07	117	184779	51.392	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	268528	52.236	ug/l	98
40) Benzene	8.32	78	580397	49.516	ug/l	99
41) Methacrylonitrile	7.48	41	80439	55.191	ug/l	89
42) 1,2-Dichloroethane	8.40	62	183983	48.387	ug/l	99
43) Isopropyl Acetate	8.42	43	238945	49.665	ug/l	99
44) Trichloroethene	9.09	130	141072	50.014	ug/l	99
45) 1,2-Dichloropropane	9.37	63	157280	49.551	ug/l	99
46) Dibromomethane	9.45	93	72779	48.811	ug/l	99
47) Bromodichloromethane	9.64	83	189592	49.696	ug/l	98
48) Methyl methacrylate	9.43	41	113418	49.001	ug/l	98
49) 1,4-Dioxane	9.45	88	23688	951.786	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	619285	246.412	ug/l	100
52) Toluene	10.38	92	360789	50.742	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	207159	51.013	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	241251	50.472	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102277	48.352	ug/l	98
56) Ethyl methacrylate	10.65	69	162403	50.429	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194399	48.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	313840	210.208	ug/l	99
59) 2-Hexanone	10.97	43	446599	256.237	ug/l	100
60) Dibromochloromethane	11.13	129	116628	50.281	ug/l	98
61) 1,2-Dibromoethane	11.23	107	98232	49.027	ug/l	100
64) Tetrachloroethene	10.86	164	116758	49.917	ug/l	98
65) Chlorobenzene	11.66	112	357507	50.728	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	125334	50.509	ug/l	100
67) Ethyl Benzene	11.73	91	695752	51.570	ug/l	99
68) m/p-Xylenes	11.84	106	504241	103.290	ug/l	100
69) o-Xylene	12.16	106	235088	51.093	ug/l	99
70) Styrene	12.18	104	411368	51.804	ug/l	99
71) Bromoform	12.35	173	65575	49.703	ug/l #	99
73) Isopropylbenzene	12.46	105	656528	52.465	ug/l	99
74) N-amyl acetate	12.27	43	222764	51.114	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	126803	49.433	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	169940	87.847	ug/l #	100
77) Bromobenzene	12.75	156	141197	50.278	ug/l	99
78) n-propylbenzene	12.80	91	811996	52.675	ug/l	100
79) 2-Chlorotoluene	12.89	91	454628	51.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	552386	51.960	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43628	51.009	ug/l	98
82) 4-Chlorotoluene	12.99	91	470961	50.974	ug/l	100
83) tert-Butylbenzene	13.21	119	468776	52.872	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	552902	51.795	ug/l	100
85) sec-Butylbenzene	13.38	105	674780	52.744	ug/l	100
86) p-Isopropyltoluene	13.50	119	606255	52.834	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	276809	51.231	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	273529	50.273	ug/l	99
89) n-Butylbenzene	13.82	91	612402	53.499	ug/l	99
90) Hexachloroethane	14.10	117	108684	51.832	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	242386	49.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22247	48.895	ug/l	99

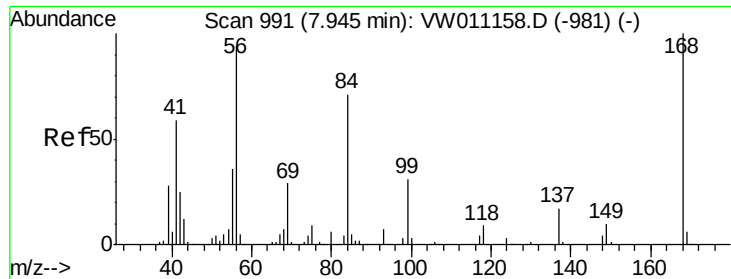
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	176272	52.209	ug/l	99
94) Hexachlorobutadiene	15.24	225	107315	51.773	ug/l	99
95) Naphthalene	15.37	128	344303	53.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154923	51.992	ug/l	100

(#) = 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: VW011161.D

Acq: 08 Jul 2019 13:30

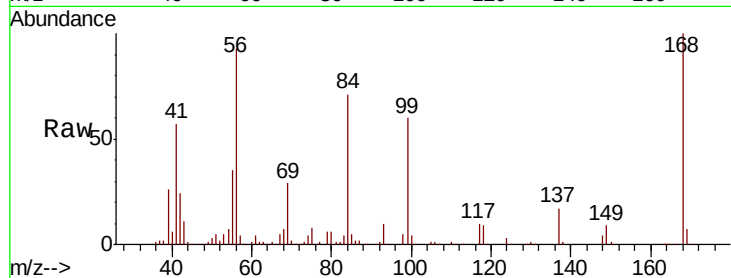
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 245167

Ion Ratio Lower Upper

168 100

99 59.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

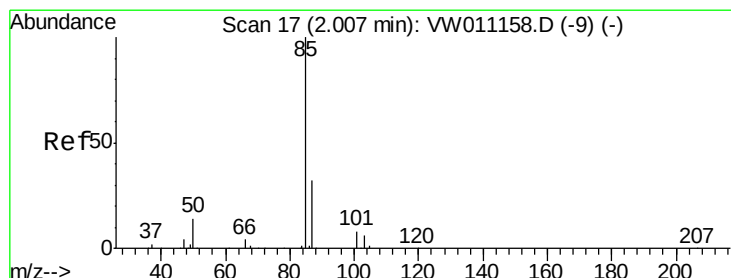
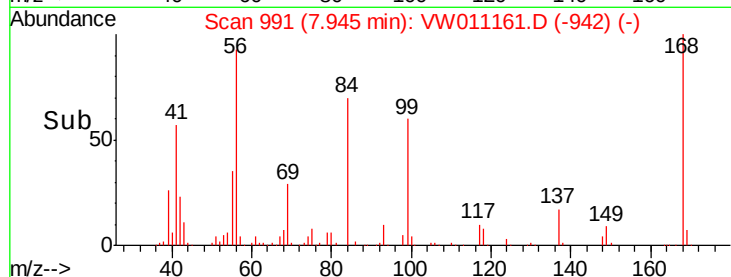
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 47.568 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011161.D

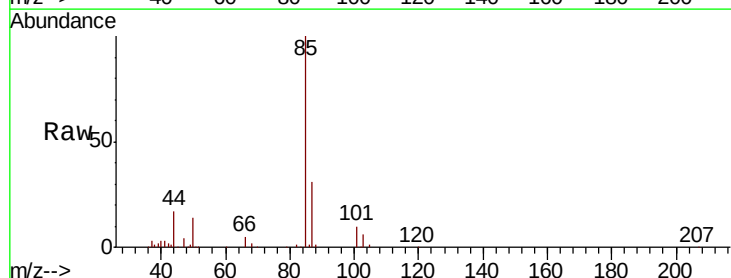
Acq: 08 Jul 2019 13:30

Tgt Ion: 85 Resp: 86976

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

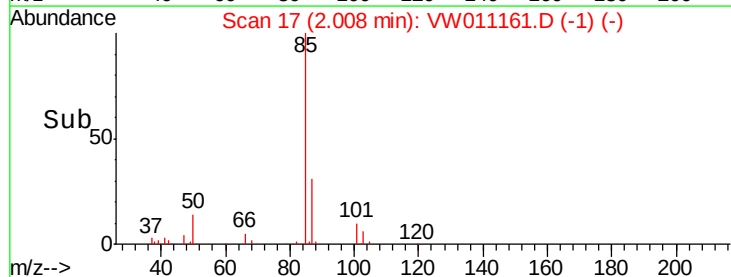
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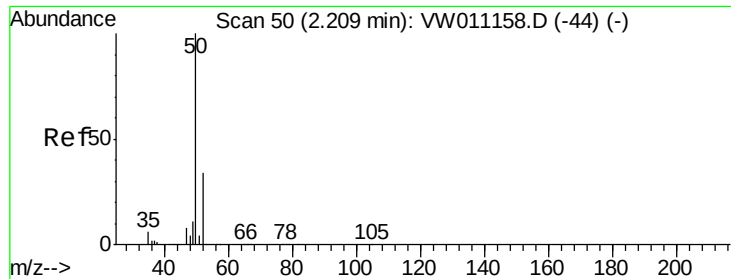
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 48.935 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

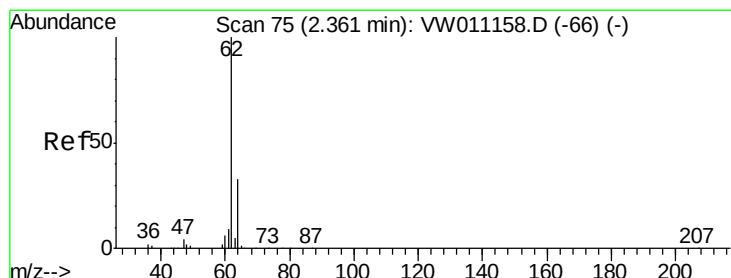
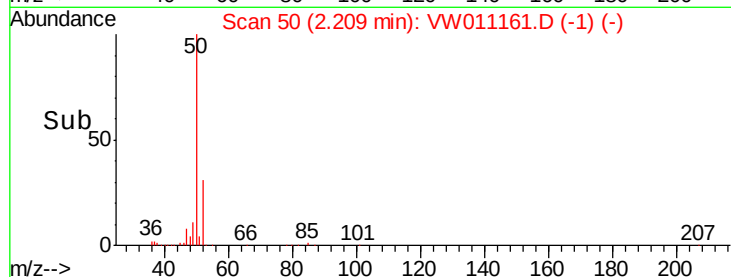
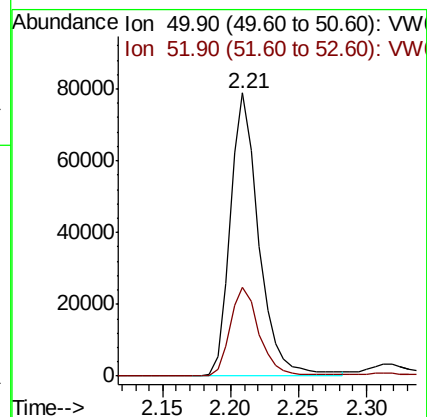
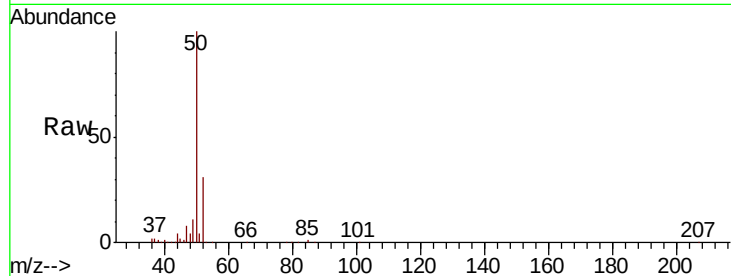
ClientSampleId :

Tot Ion: 50 Resp: 115294

Ion Ratio Lower Upper

50 100

52 31.3 26.9 40.3



#4

Vinyl Chloride

Concen: 48.091 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011161.D

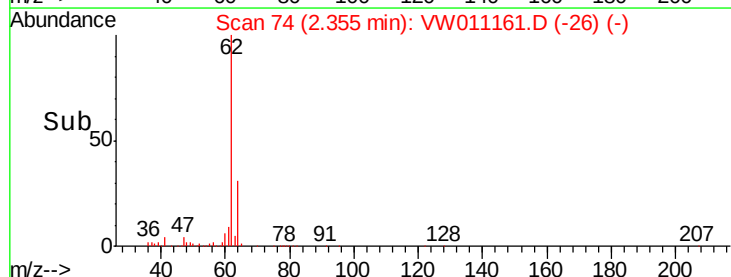
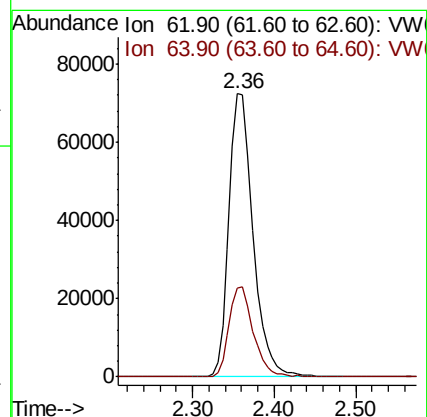
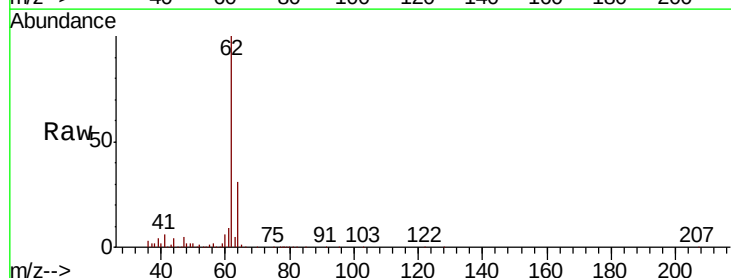
Acq: 08 Jul 2019 13:30

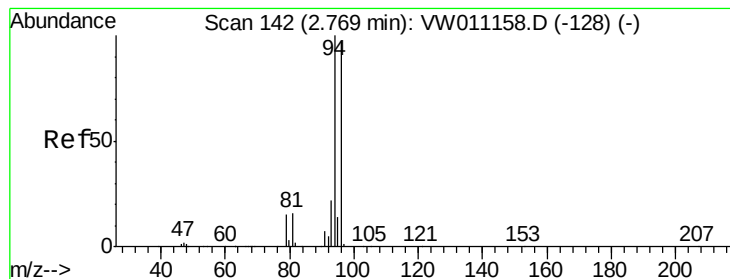
Tgt Ion: 62 Resp: 148303

Ion Ratio Lower Upper

62 100

64 31.3 26.6 40.0





#5

Bromomethane

Concen: 50.069 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

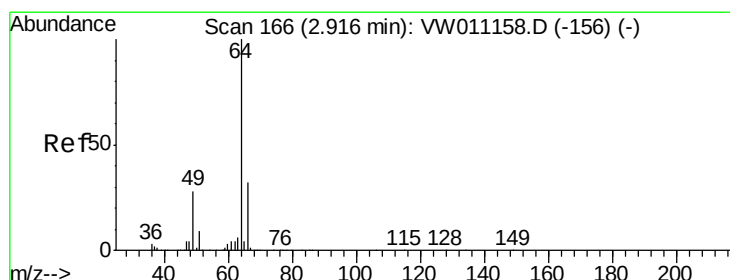
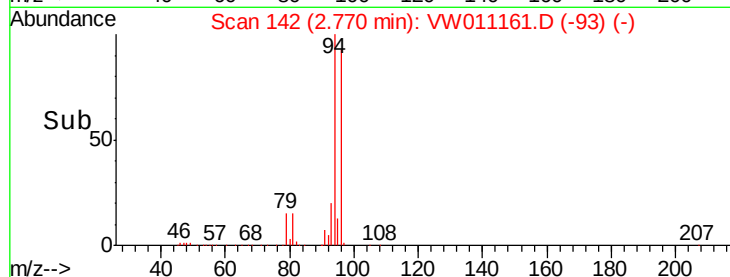
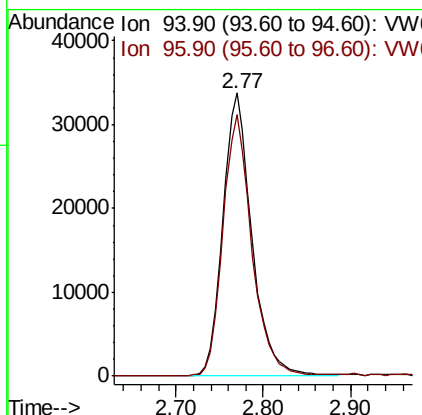
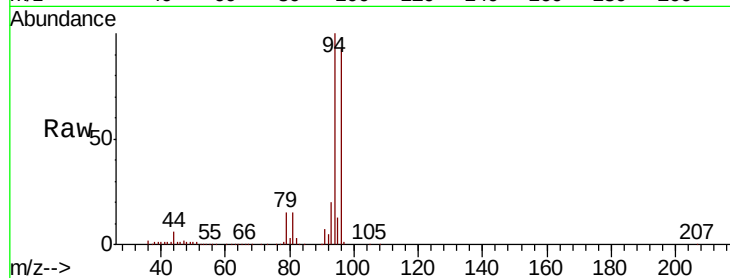
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 77586

Ion Ratio Lower Upper

94 100

96 92.3 77.4 116.0



#6

Chloroethane

Concen: 49.850 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011161.D

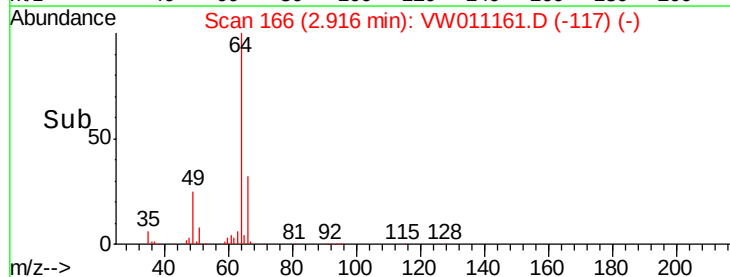
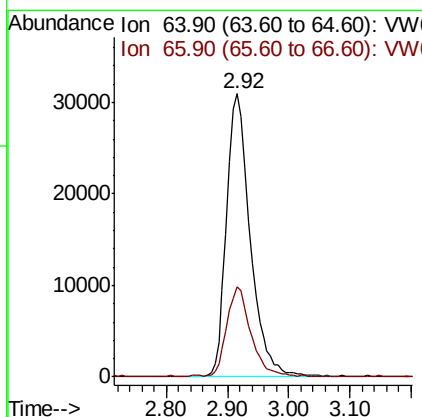
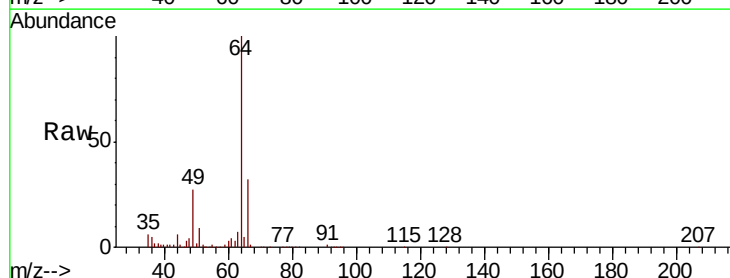
Acq: 08 Jul 2019 13:30

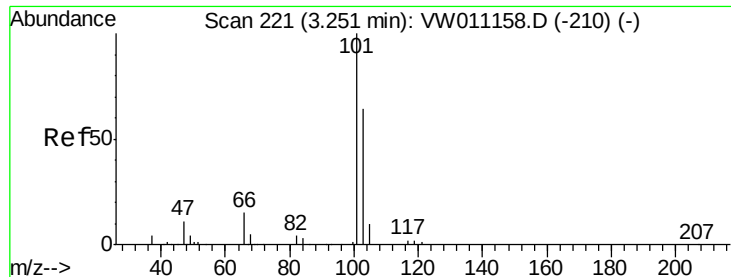
Tgt Ion: 64 Resp: 82800

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8



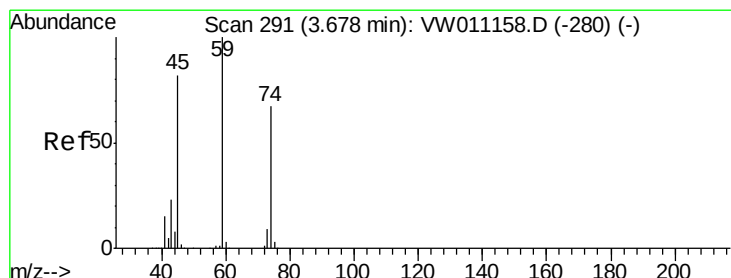
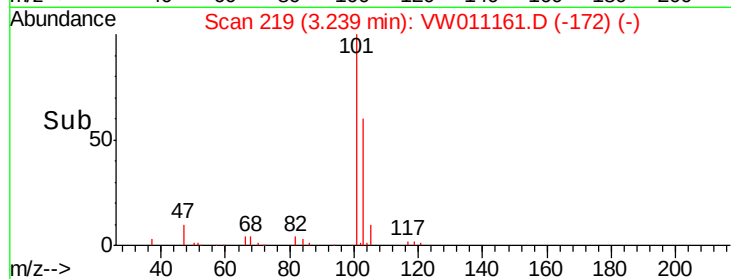
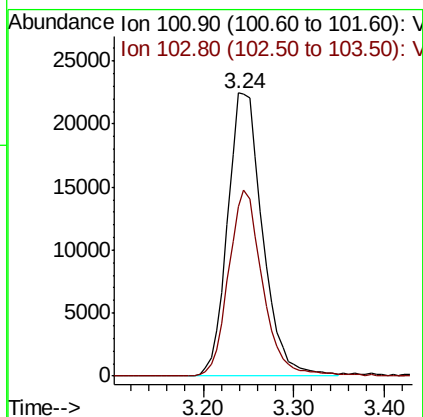
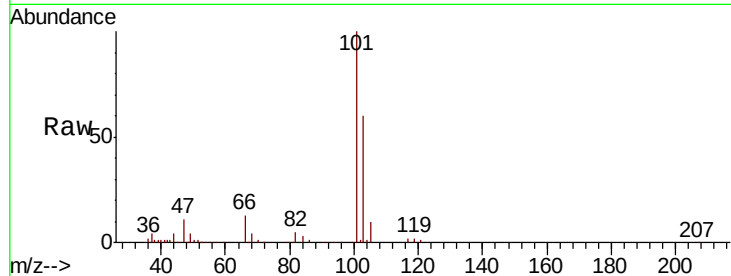


#7

Trichlorofluoromethane
 Concen: 55.064 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :

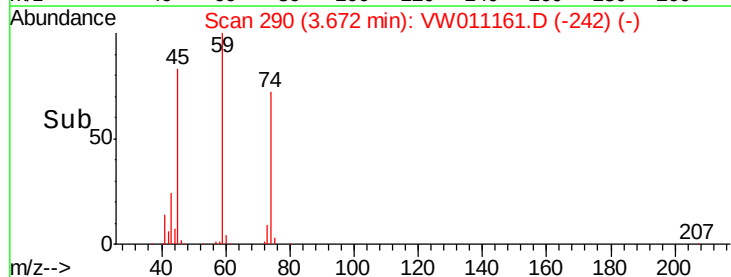
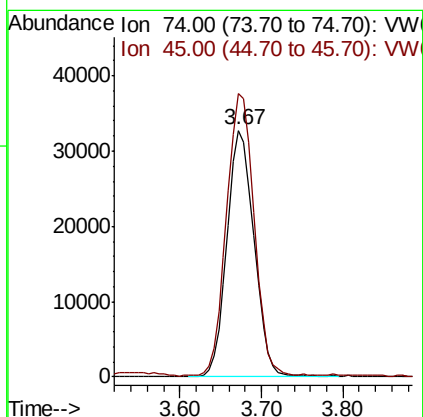
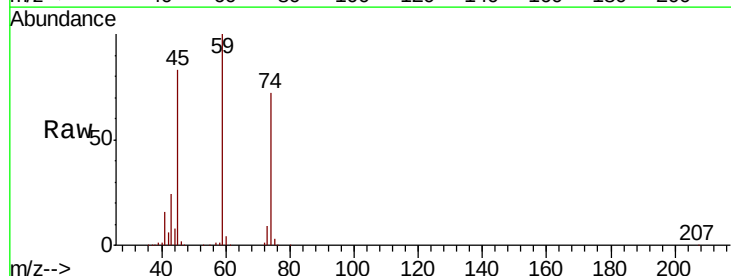
Tot Ion:101 Resp: 60323
 Ion Ratio Lower Upper
 101 100
 103 59.8 51.3 76.9

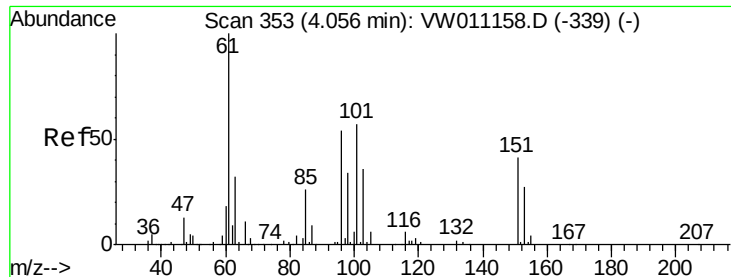


#8

Diethyl Ether
 Concen: 49.690 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion: 74 Resp: 75320
 Ion Ratio Lower Upper
 74 100
 45 116.1 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.441 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

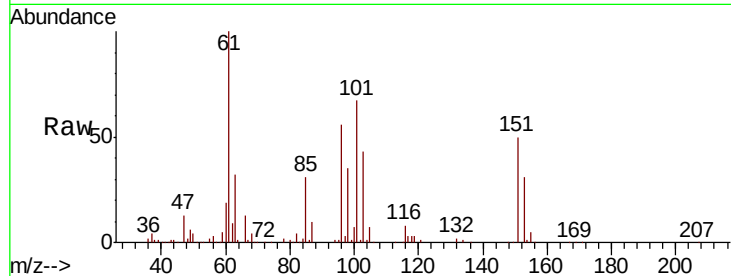
Tot Ion:101 Resp: 129738

Ion Ratio Lower Upper

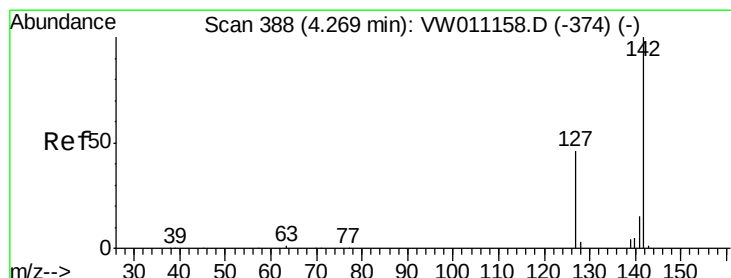
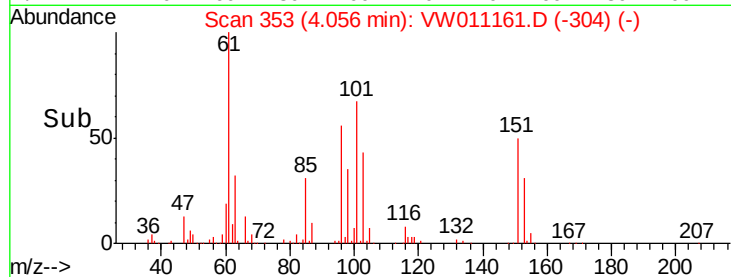
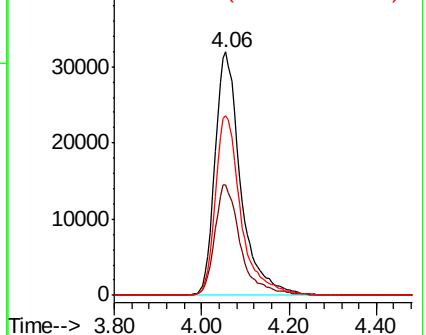
101 100

85 45.8 36.5 54.7

151 73.6 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.339 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

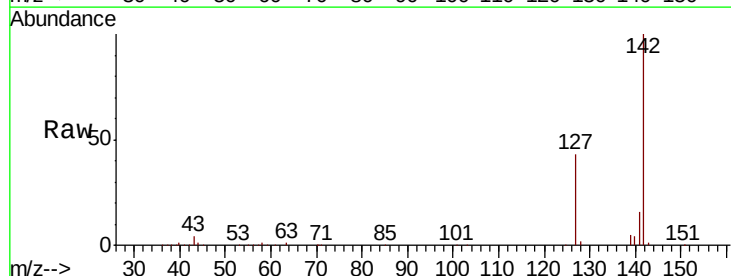
Tgt Ion:142 Resp: 178069

Ion Ratio Lower Upper

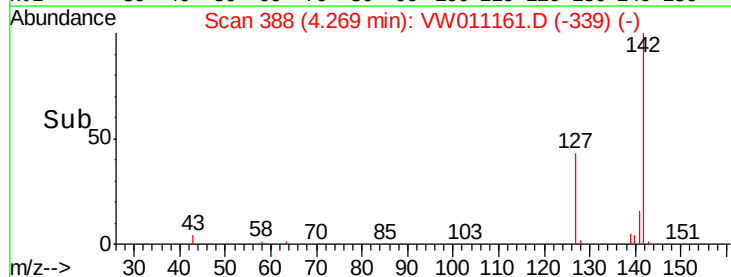
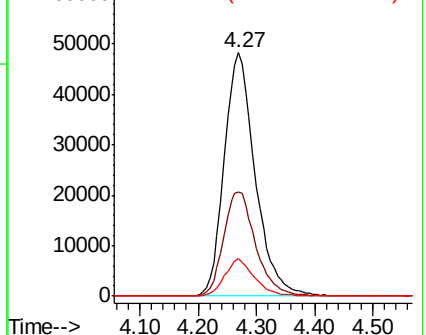
142 100

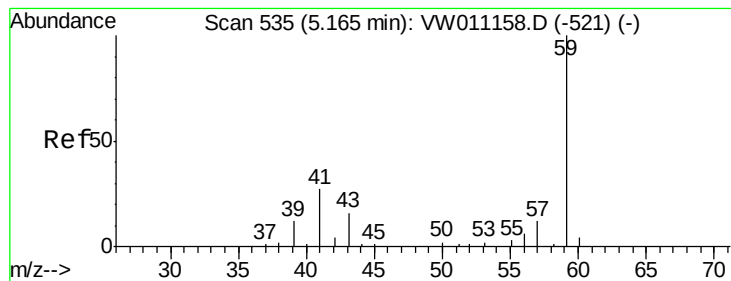
127 44.2 35.7 53.5

141 14.9 11.5 17.3



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



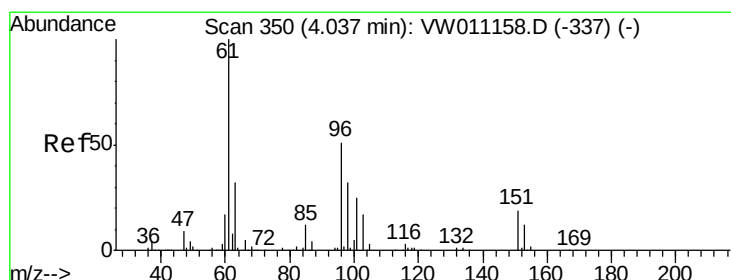
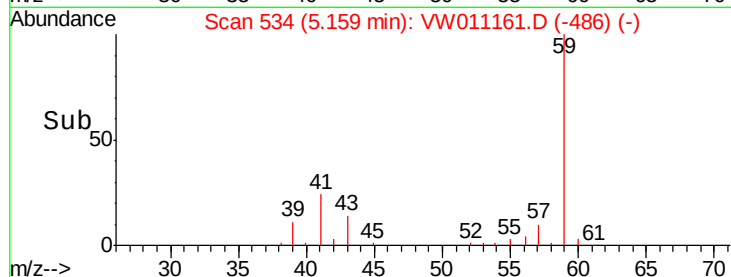
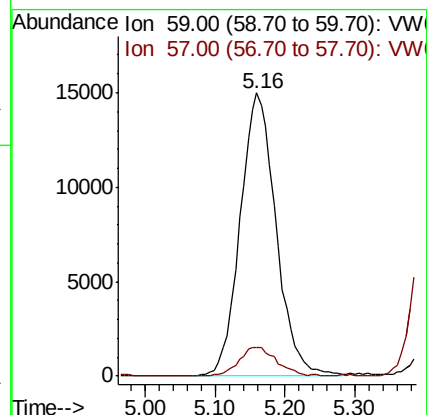
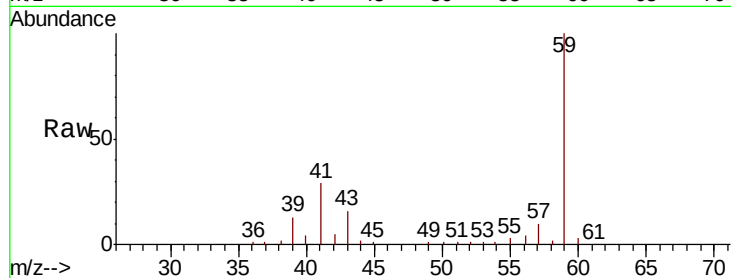


#11

Tert butyl alcohol
Concen: 234.235 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :

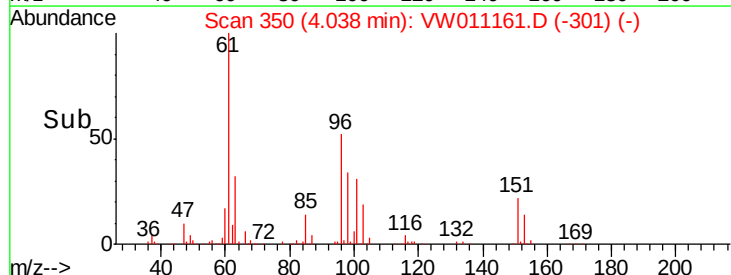
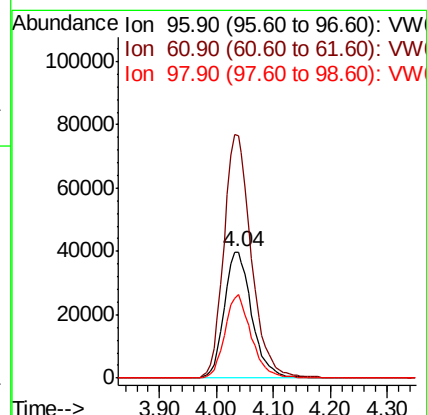
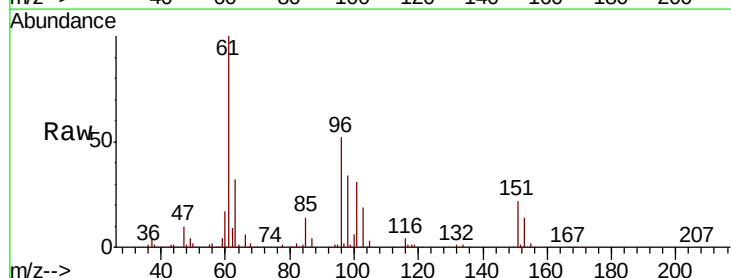
Tot Ion: 59 Resp: 53424
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.6

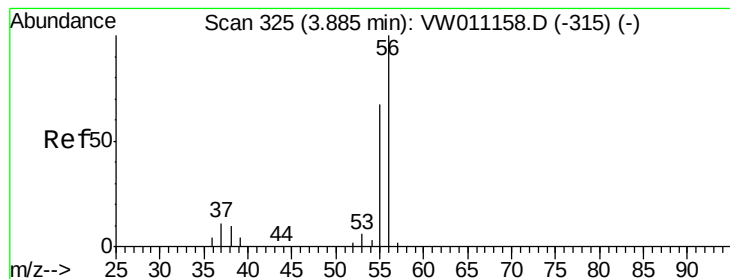


#12

1,1-Dichloroethene
Concen: 49.335 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 96 Resp: 134367
Ion Ratio Lower Upper
96 100
61 191.7 157.7 236.5
98 65.7 50.9 76.3





#13

Acrolein

Concen: 234.675 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

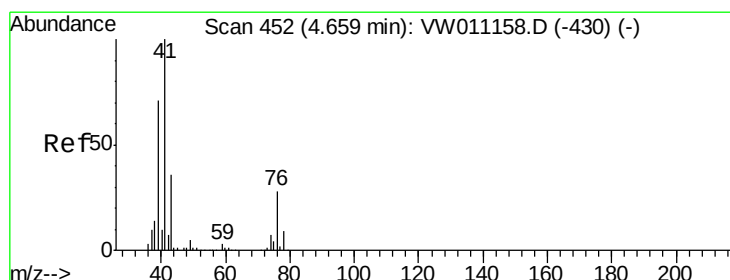
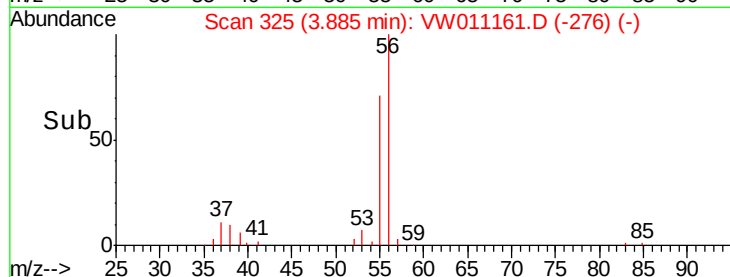
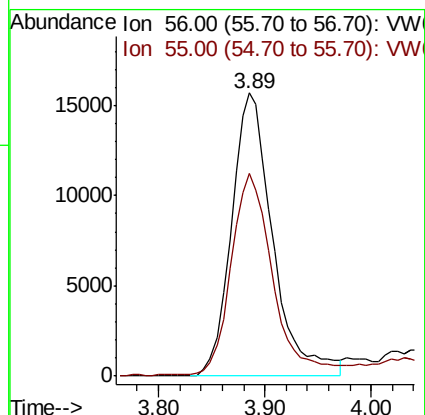
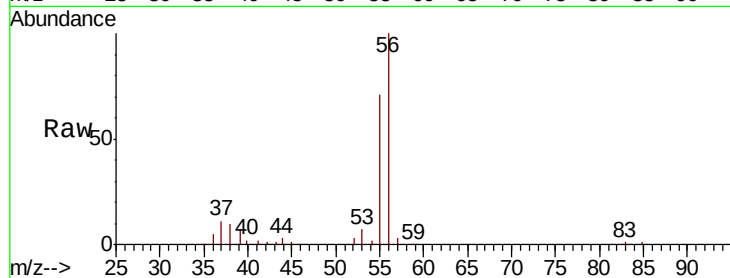
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 42621

Ion Ratio Lower Upper

56 100

55 71.3 56.4 84.6



#14

Allyl chloride

Concen: 51.450 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

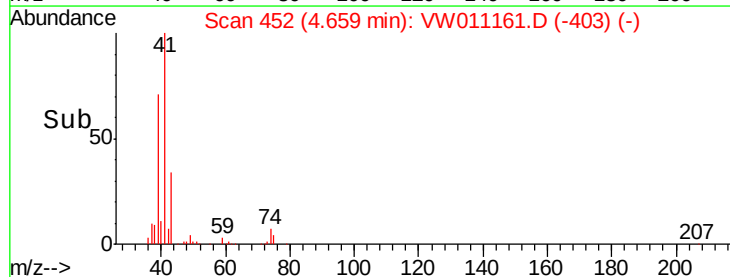
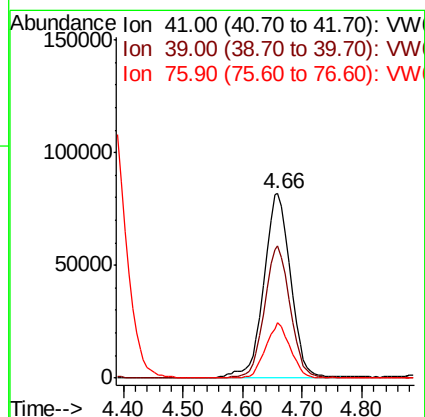
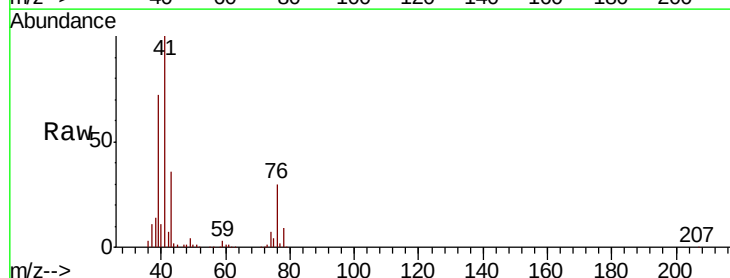
Tgt Ion: 41 Resp: 255528

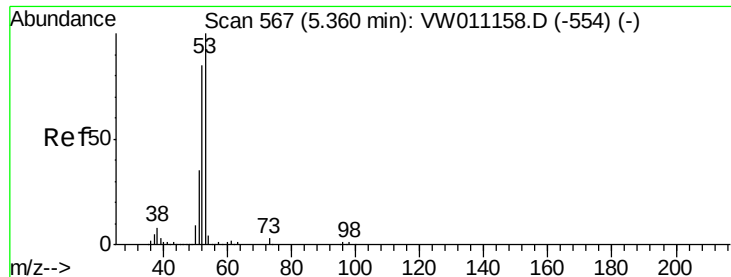
Ion Ratio Lower Upper

41 100

39 68.2 55.1 82.7

76 27.6 22.5 33.7





#15

Acrylonitrile

Concen: 239.441 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

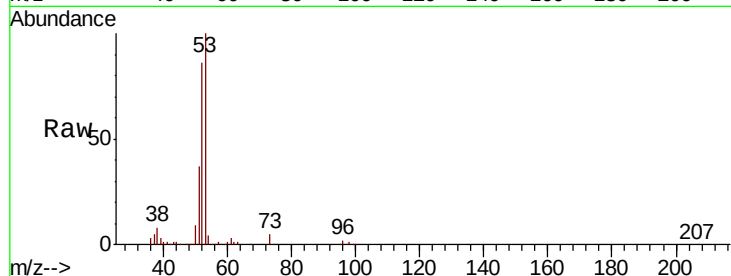
Tot Ion: 53 Resp: 184845

Ion Ratio Lower Upper

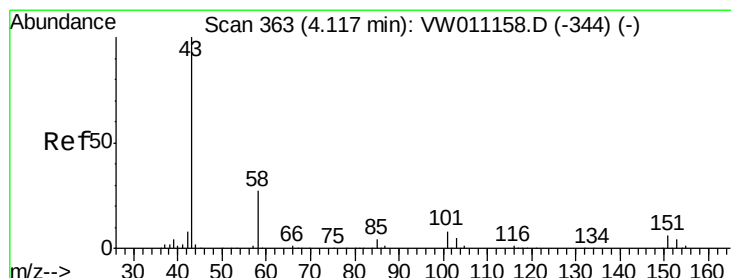
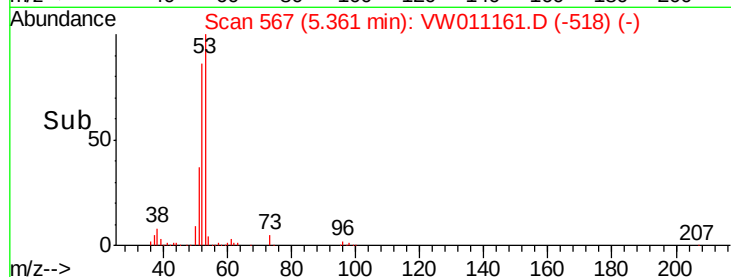
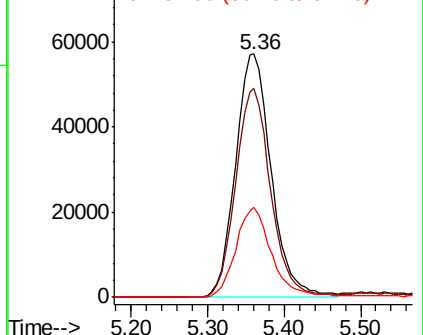
53 100

52 83.7 66.2 99.4

51 37.1 29.1 43.7



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



#16

Acetone

Concen: 281.820 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011161.D

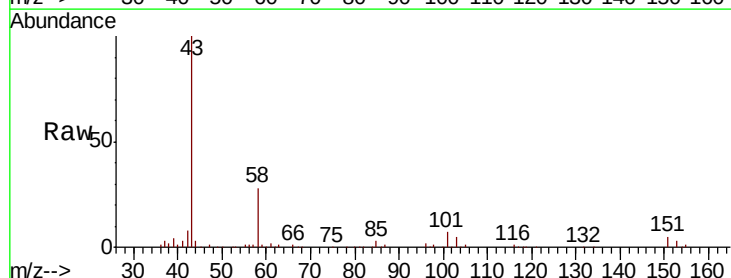
Acq: 08 Jul 2019 13:30

Tgt Ion: 43 Resp: 208894

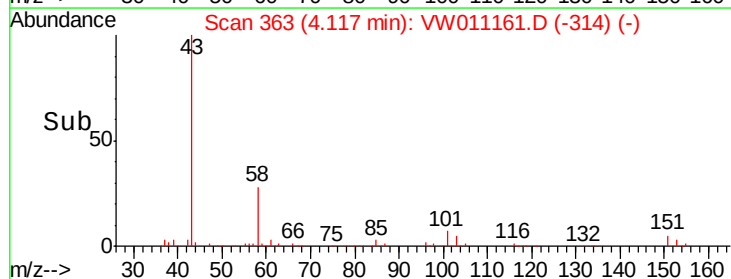
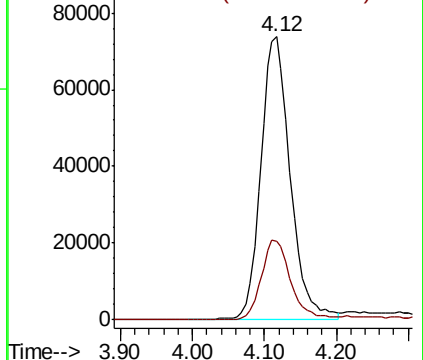
Ion Ratio Lower Upper

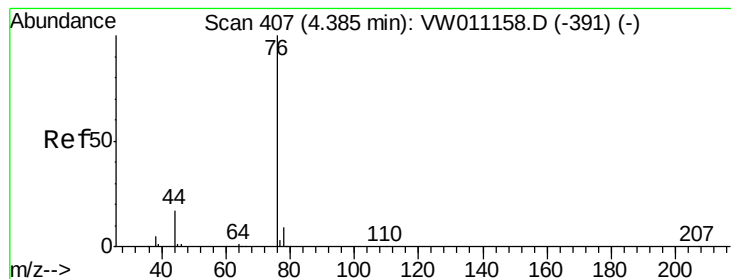
43 100

58 27.7 21.8 32.6



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





#17

Carbon Disulfide

Concen: 49.996 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

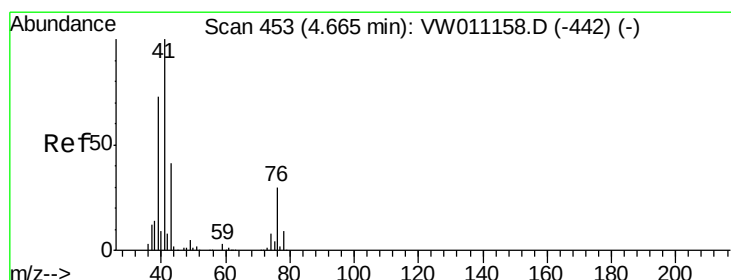
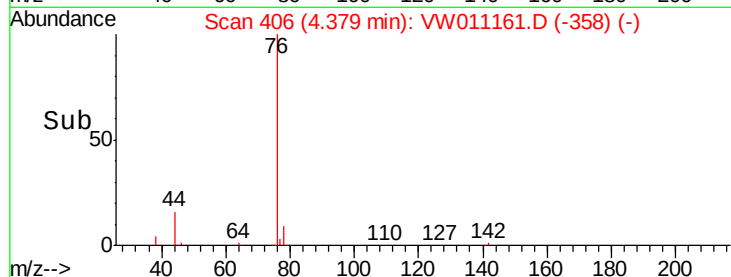
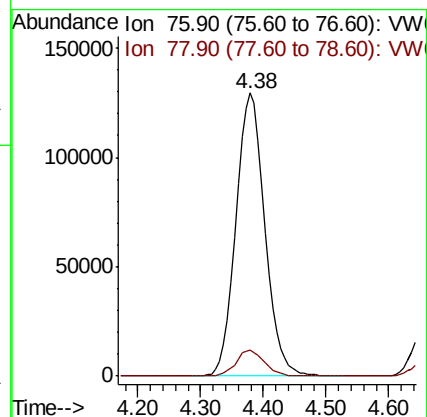
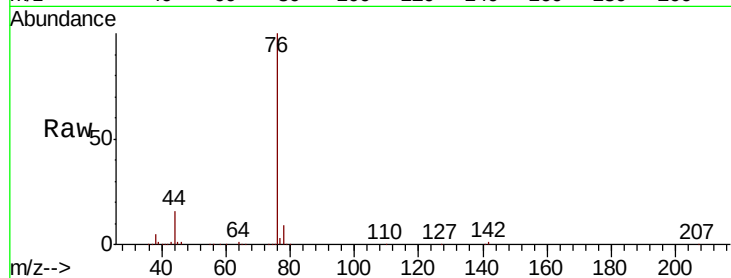
ClientSampleId :

Tot Ion: 76 Resp: 412816

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



#18

Methyl Acetate

Concen: 42.237 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011161.D

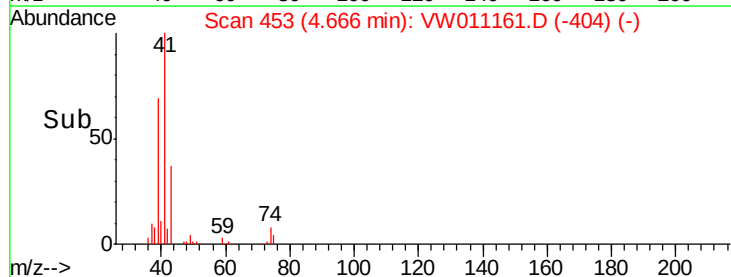
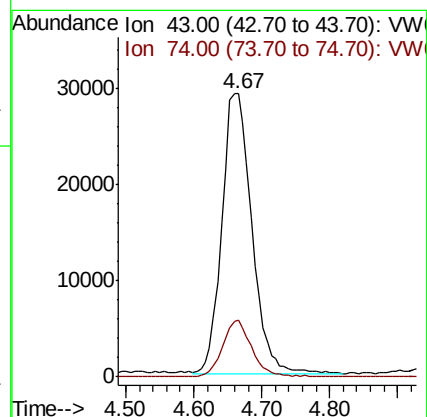
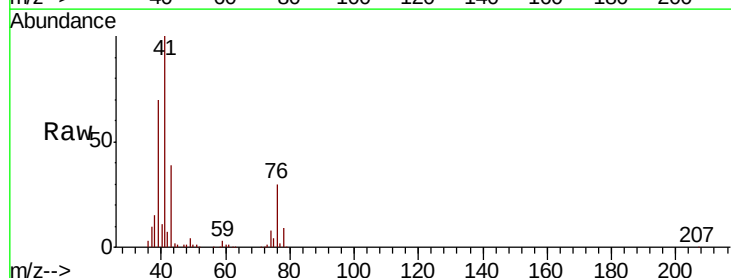
Acq: 08 Jul 2019 13:30

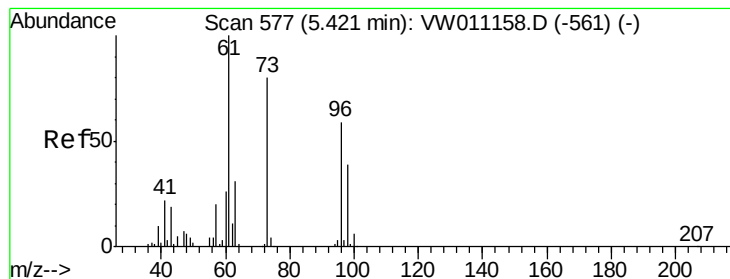
Tgt Ion: 43 Resp: 89493

Ion Ratio Lower Upper

43 100

74 19.5 15.7 23.5



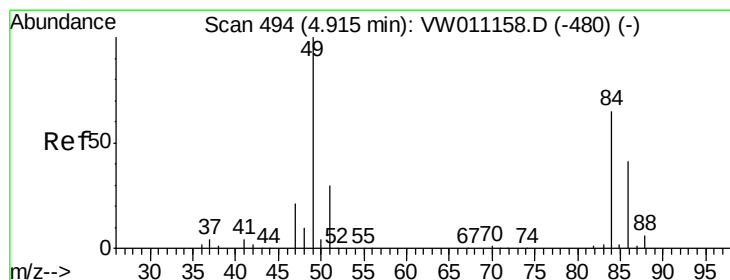
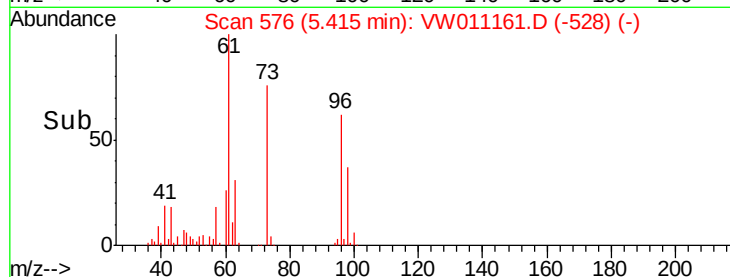
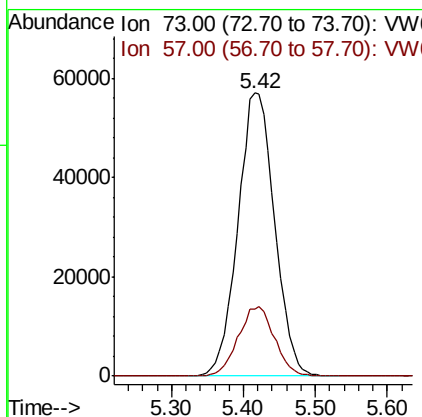
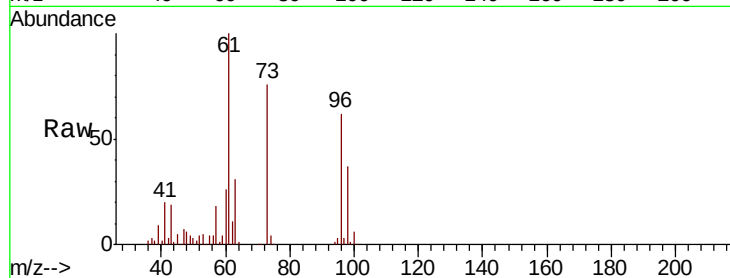


#19

Methyl tert-butyl Ether
 Concen: 48.680 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampled :

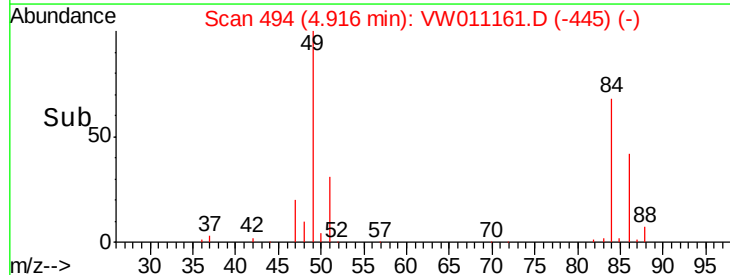
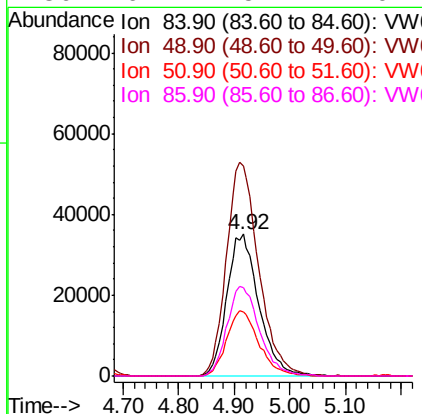
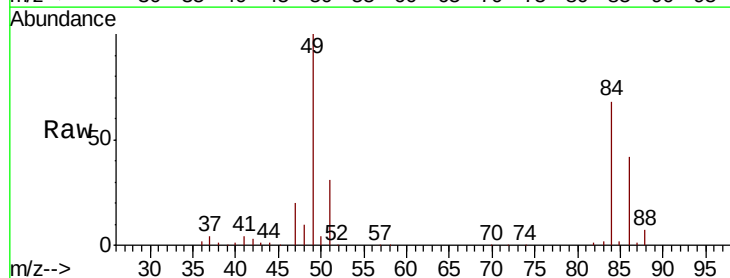
Tot Ion: 73 Resp: 201171
 Ion Ratio Lower Upper
 73 100
 57 23.9 19.7 29.5

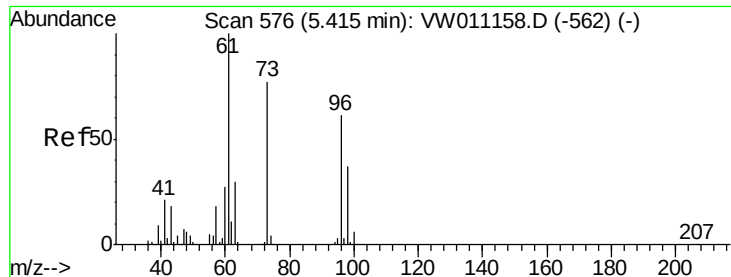


#20

Methylene Chloride
 Concen: 47.820 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion: 84 Resp: 139830
 Ion Ratio Lower Upper
 84 100
 49 148.0 123.8 185.6
 51 45.4 37.4 56.2
 86 62.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.378 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

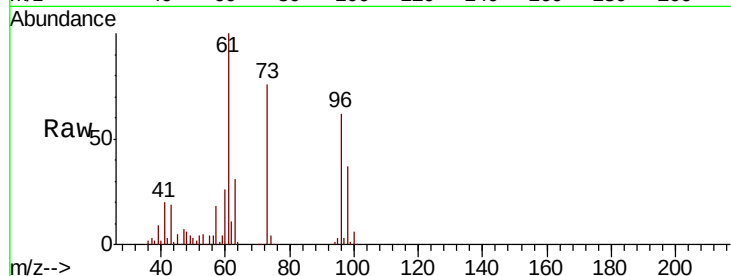
Tot Ion: 96 Resp: 139740

Ion Ratio Lower Upper

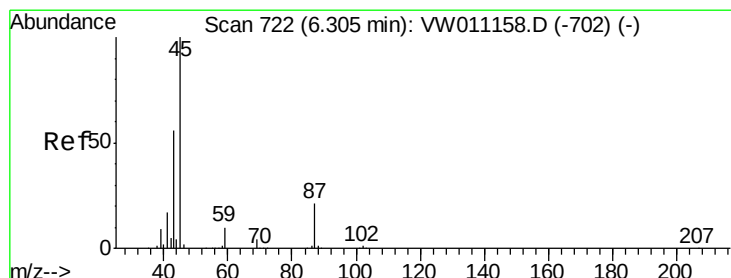
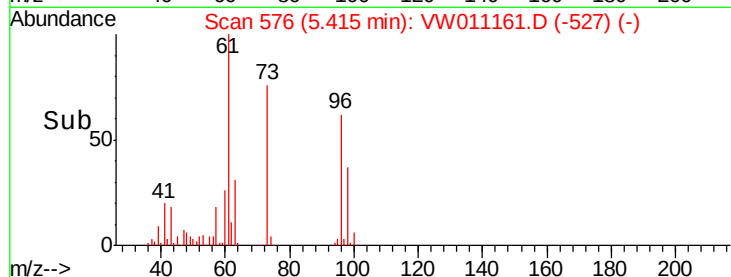
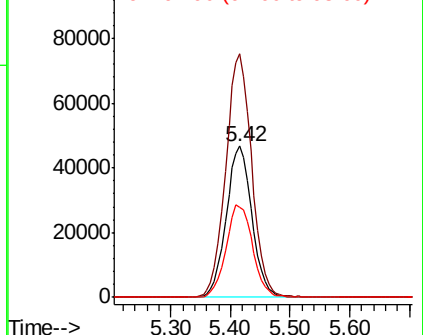
96 100

61 161.4 132.2 198.2

98 59.5 49.4 74.0



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



#22

Diisopropyl ether

Concen: 48.800 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion: 45 Resp: 521286

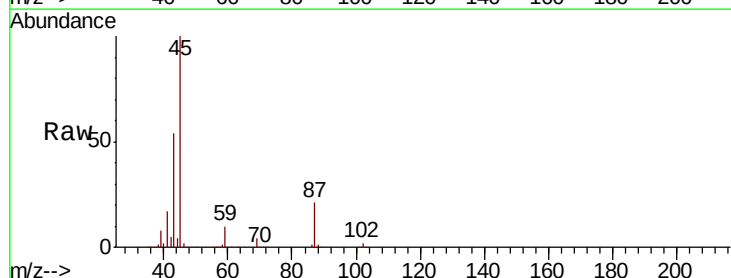
Ion Ratio Lower Upper

45 100

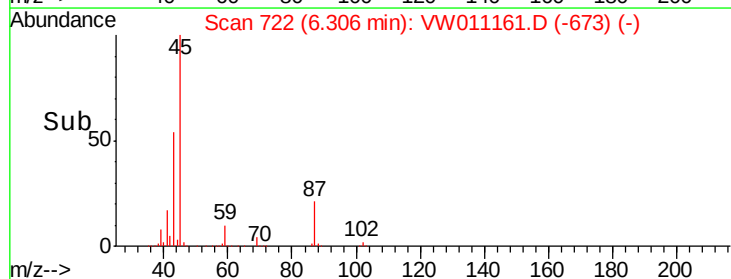
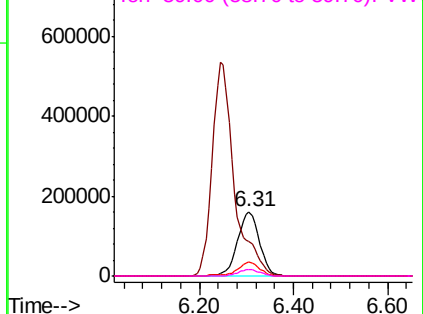
43 53.8 44.6 66.8

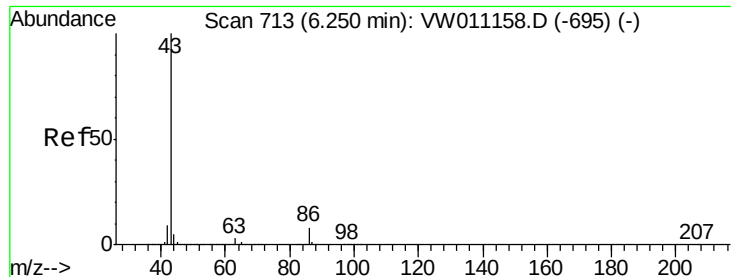
87 21.4 17.3 25.9

59 10.2 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: 262.231 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

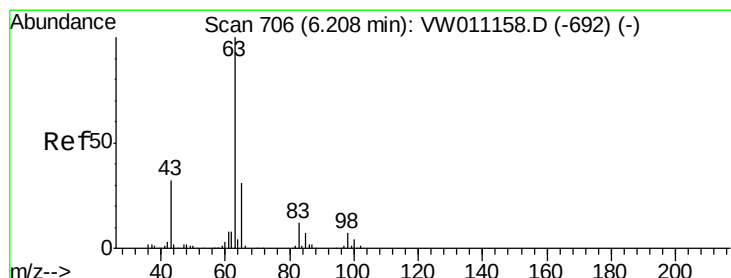
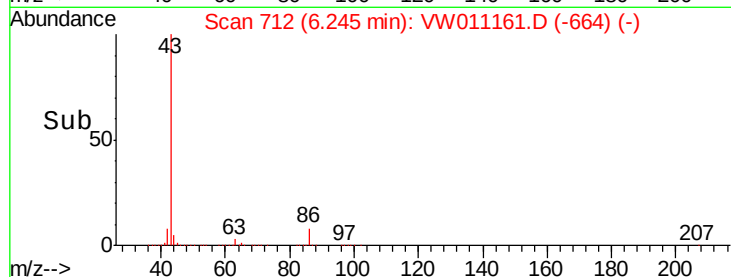
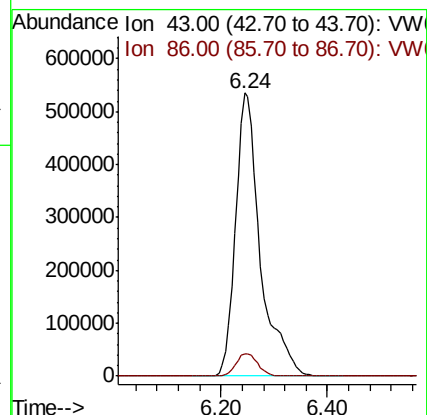
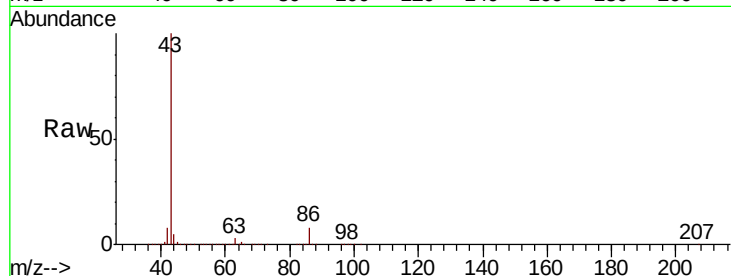
ClientSampleId :

Tot Ion: 43 Resp: 1733564

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 49.372 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

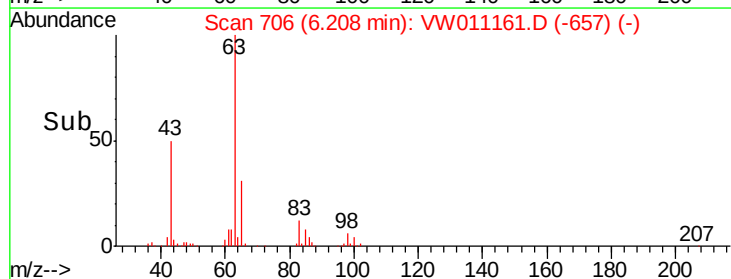
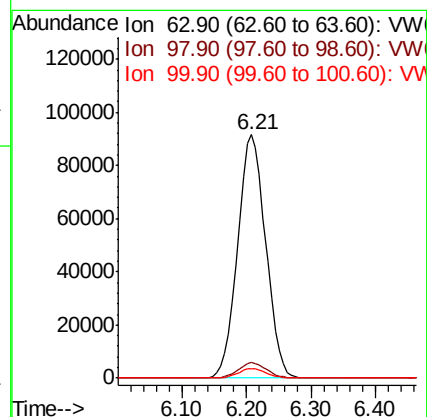
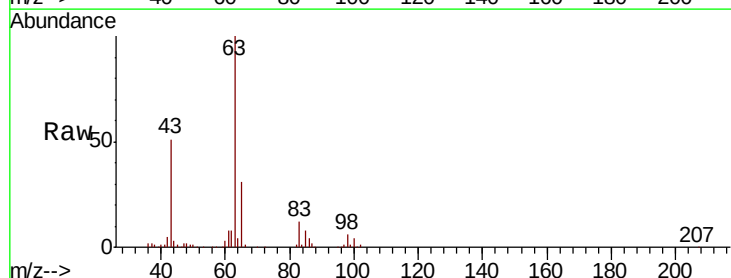
Tgt Ion: 63 Resp: 276941

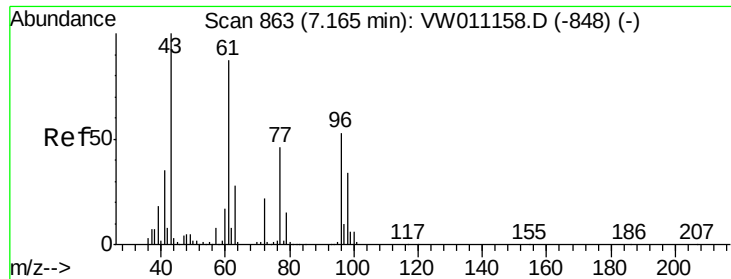
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 254.155 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

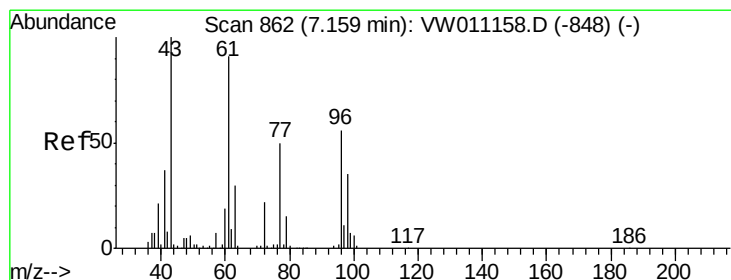
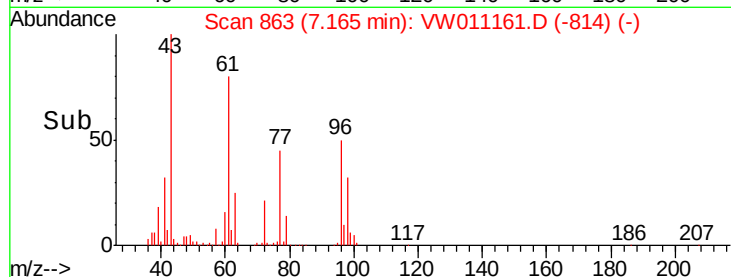
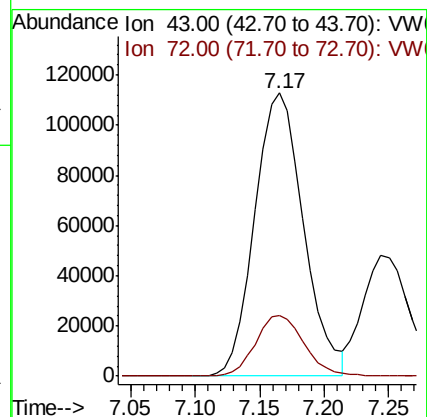
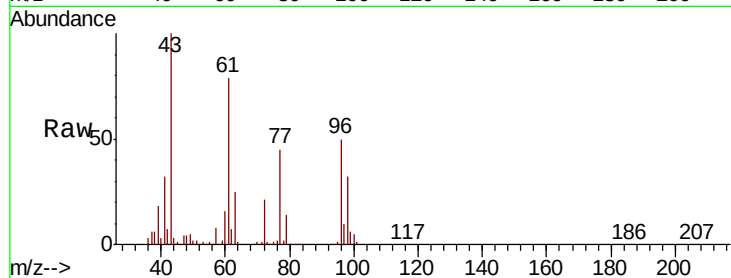
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 295719

Ion Ratio Lower Upper

43 100

72 21.3 17.6 26.4



#26

2,2-Dichloropropane

Concen: 51.059 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011161.D

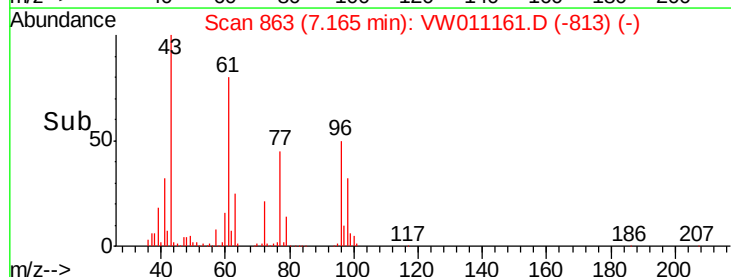
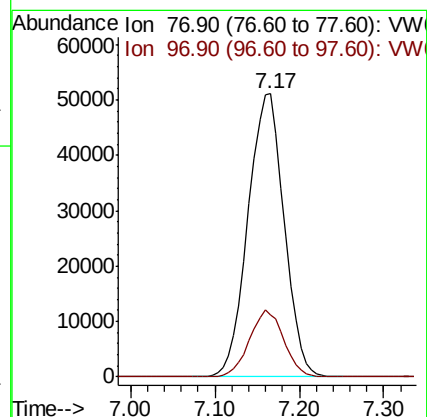
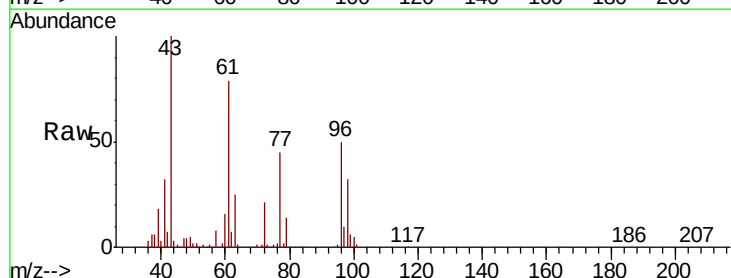
Acq: 08 Jul 2019 13:30

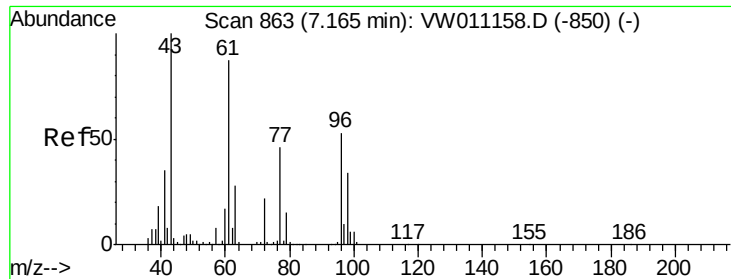
Tgt Ion: 77 Resp: 148878

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



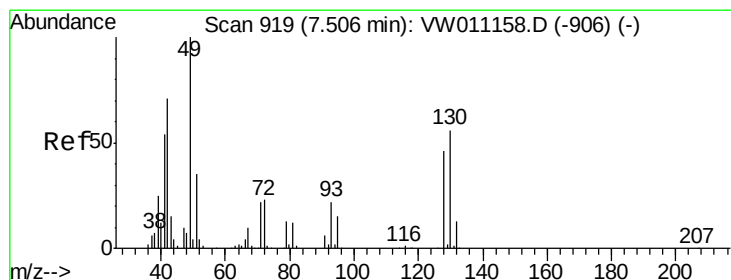
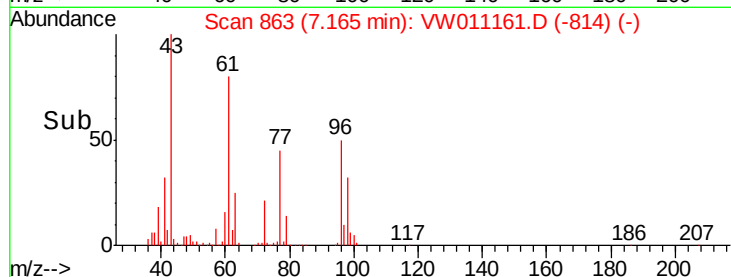
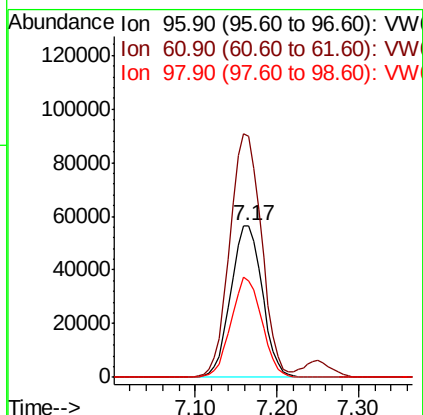
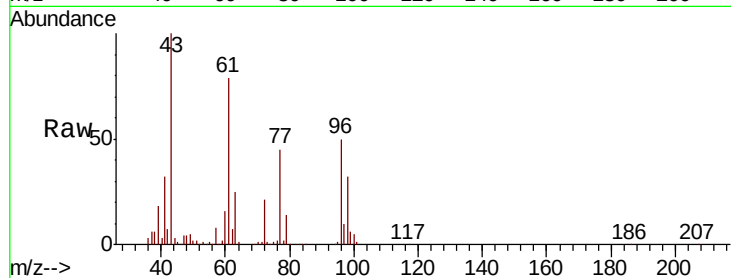


#27

cis-1,2-Dichloroethene
 Concen: 49.305 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :

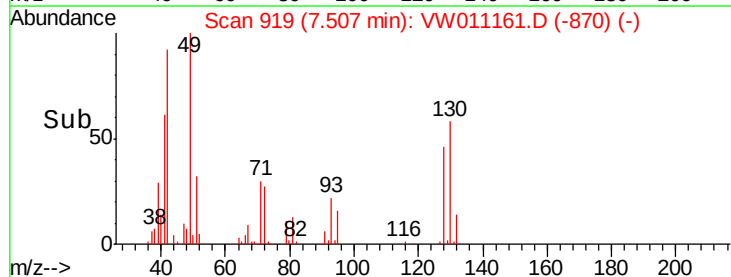
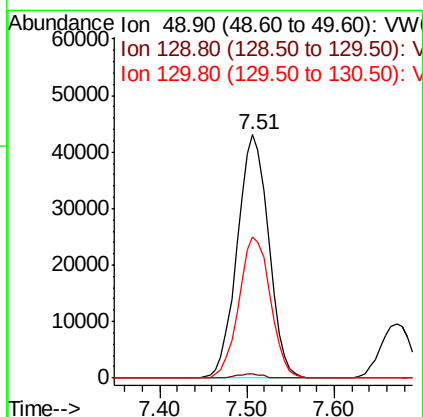
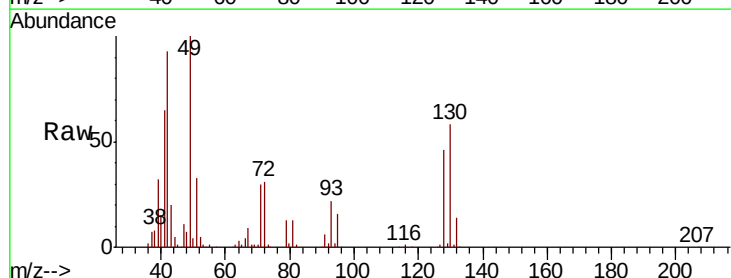
Tot Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	325.6
98	64.6	0.0	128.2

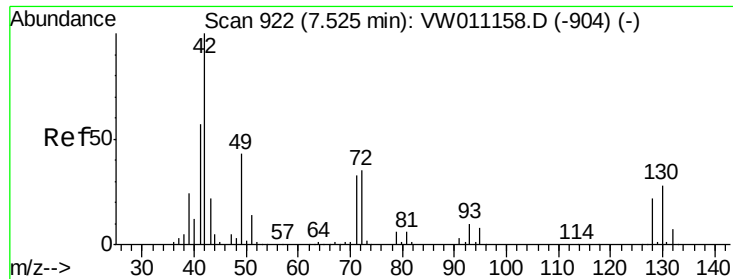


#28

Bromochloromethane
 Concen: 42.142 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4#
130	58.4	45.8	68.8

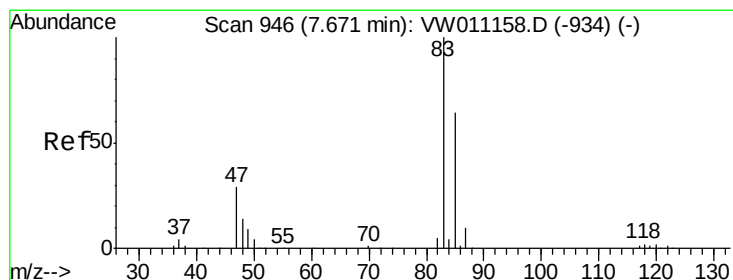
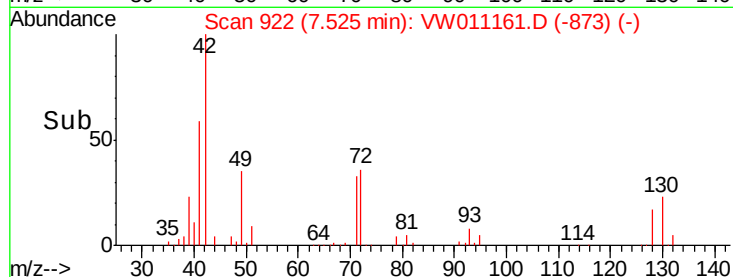
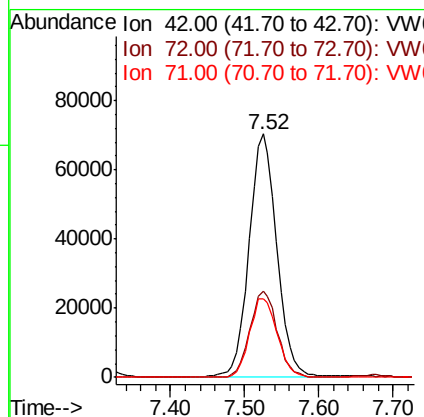
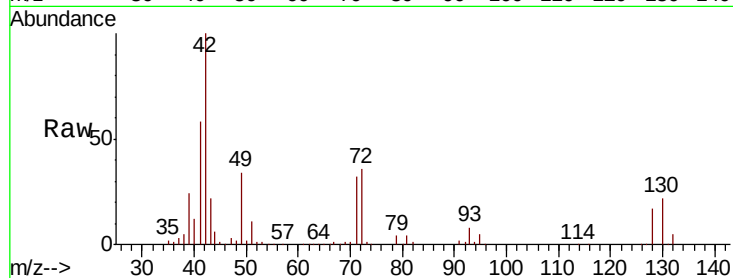




#29
Tetrahydrofuran
Concen: 240.516 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

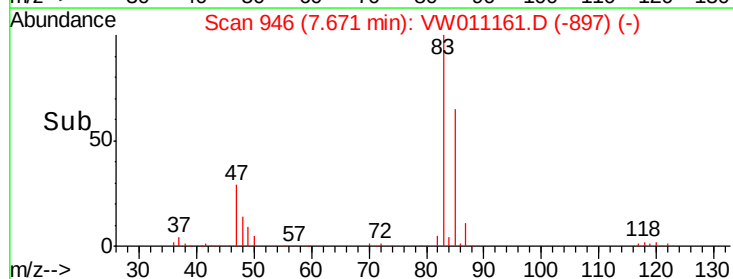
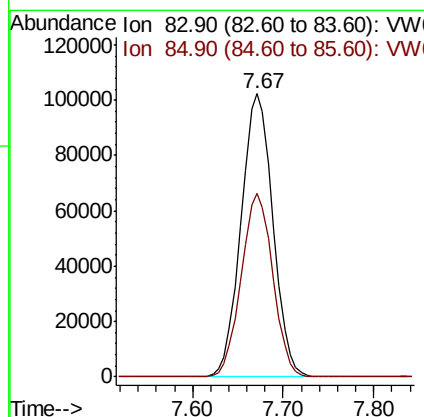
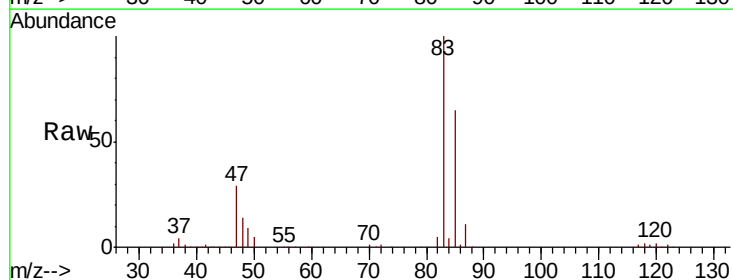
Instrument :
MSVOA_W
ClientSampleId :

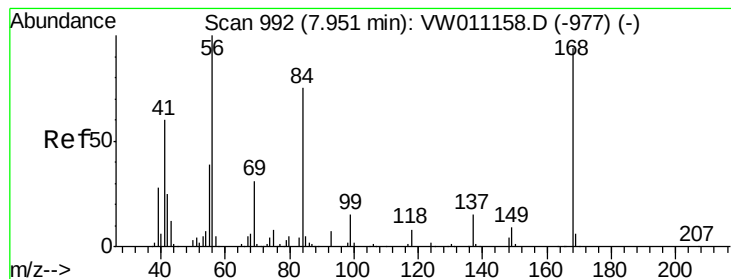
Tot Ion: 42 Resp: 183500
Ion Ratio Lower Upper
42 100
72 35.2 27.4 41.2
71 32.5 25.9 38.9



#30
Chloroform
Concen: 47.816 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 83 Resp: 248394
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.2





#31

Cyclohexane

Concen: 48.493 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampled :

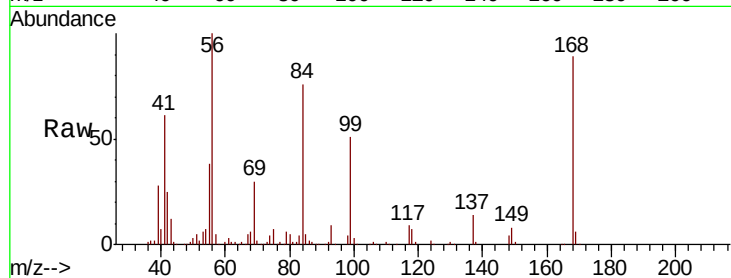
Tot Ion: 56 Resp: 289380

Ion Ratio Lower Upper

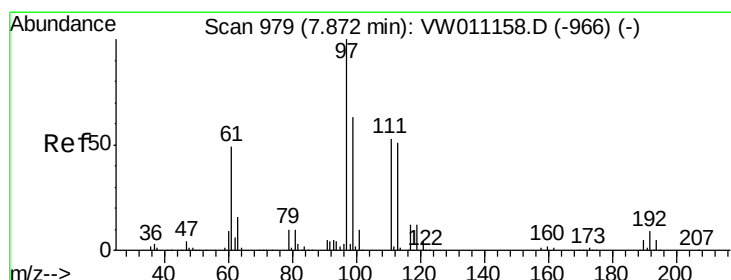
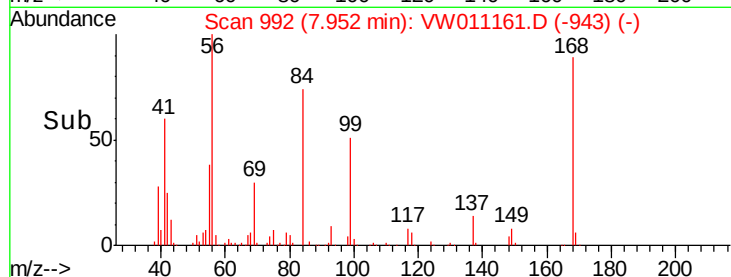
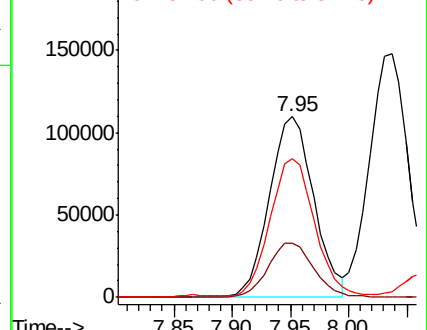
56 100

69 30.0 24.6 36.8

84 75.1 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 49.848 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

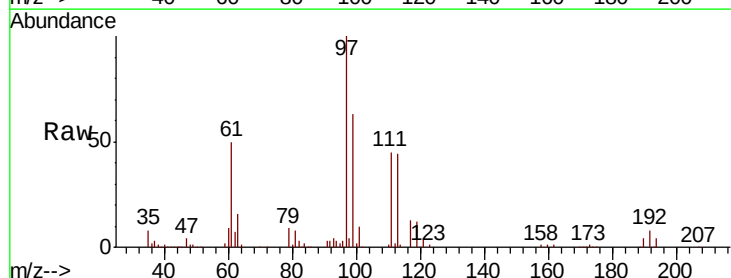
Tgt Ion: 97 Resp: 196982

Ion Ratio Lower Upper

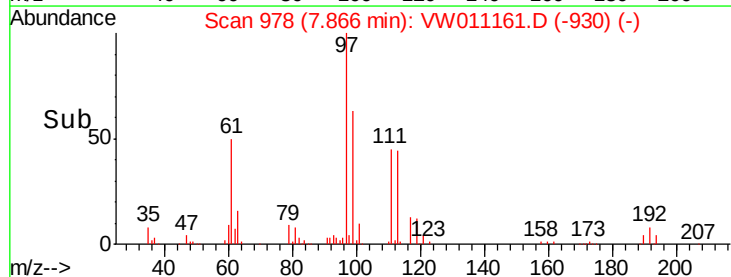
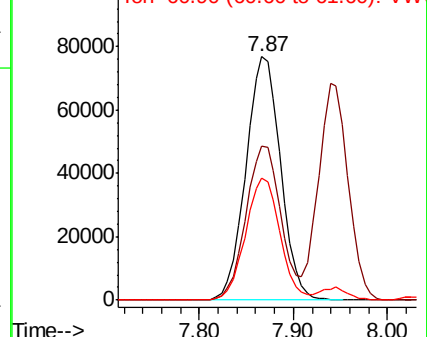
97 100

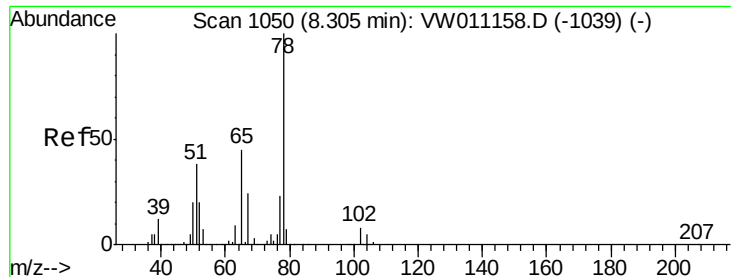
99 64.5 51.0 76.4

61 50.2 40.4 60.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

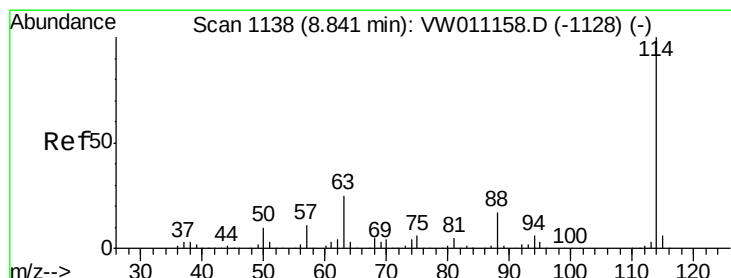
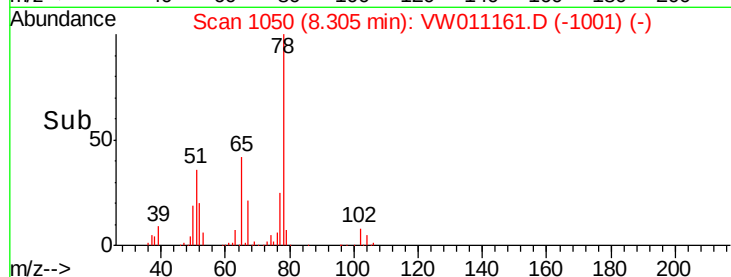
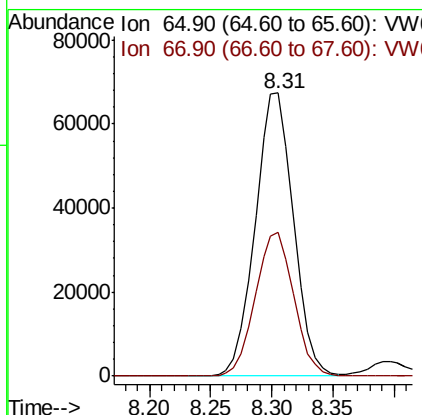
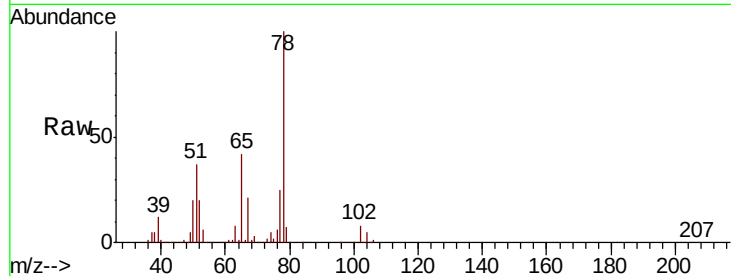




#33
 1,2-Dichloroethane-d4
 Concen: 47.646 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

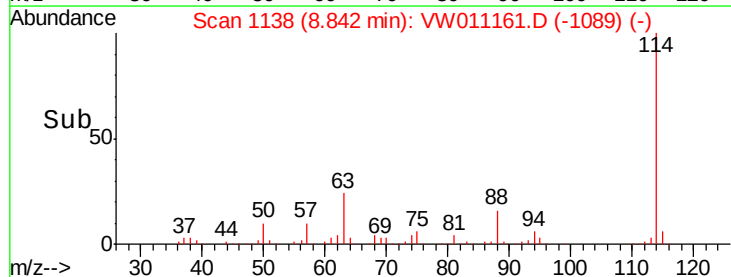
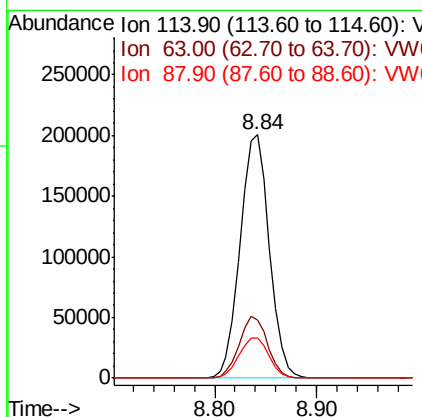
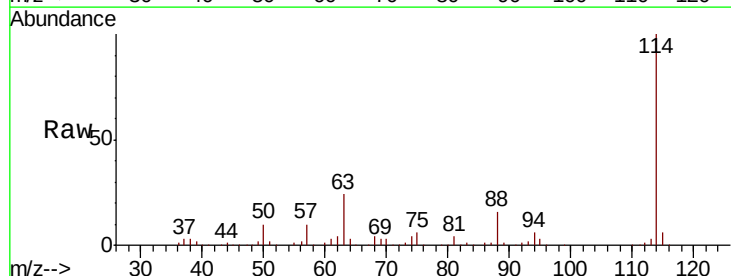
Instrument :
 MSVOA_W
 ClientSampleId :

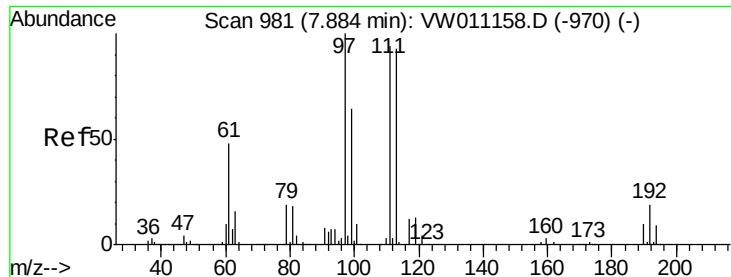
Tot Ion: 65 Resp: 146779
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion: 114 Resp: 398280
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 16.3 0.0 34.2

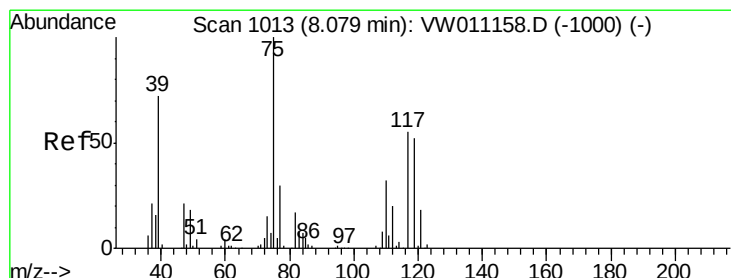
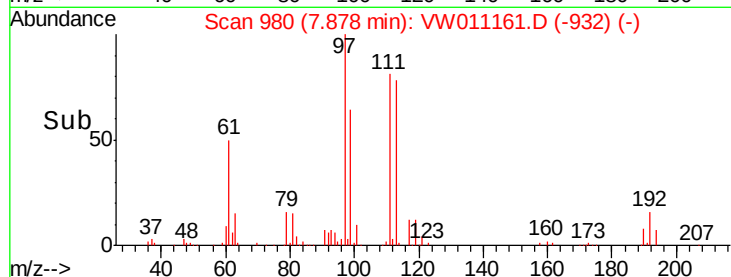
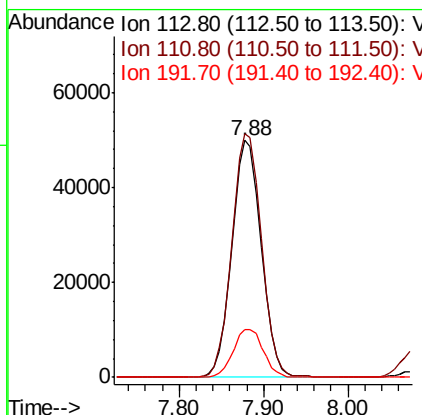
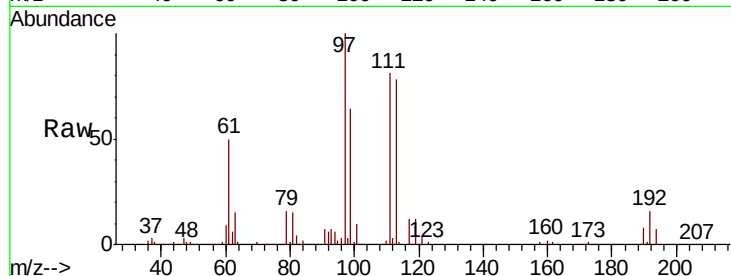




#35
 Dibromofluoromethane
 Concen: 49.536 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

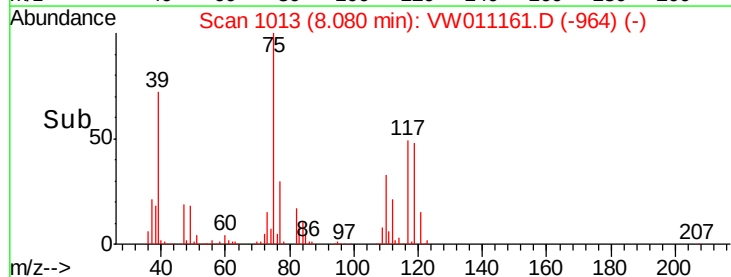
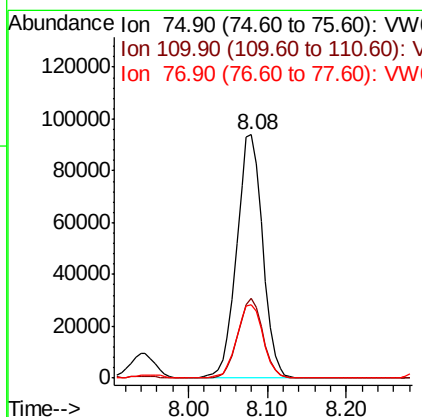
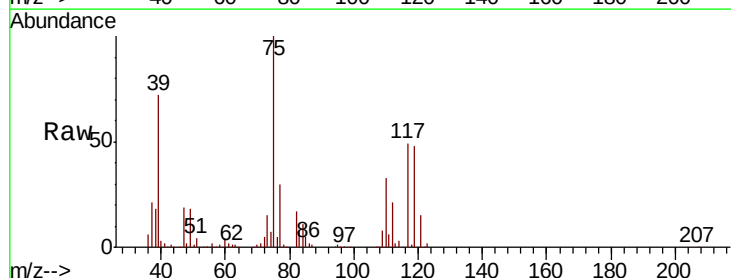
Instrument :
 MSVOA_W
 ClientSampleId :

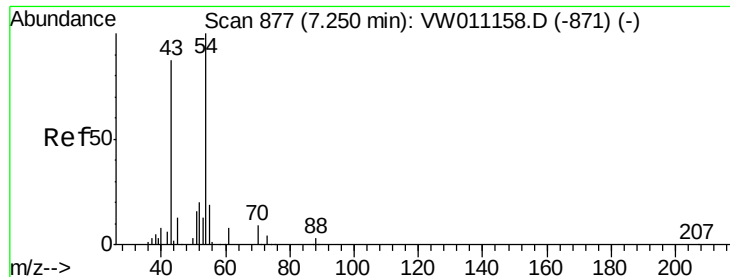
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	20.6	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 50.638 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.9	47.6
77	30.7	24.6	36.8

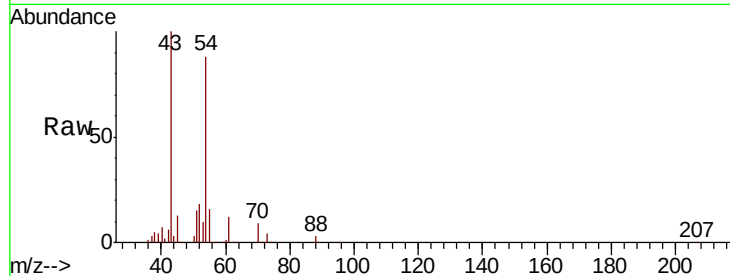




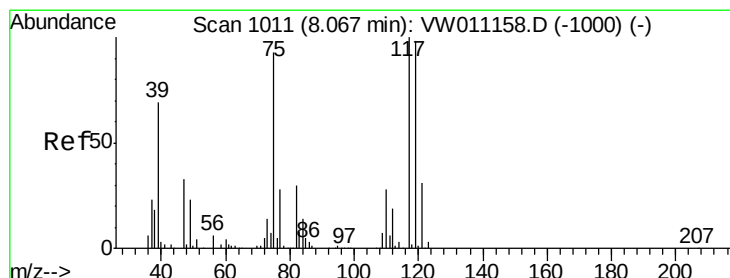
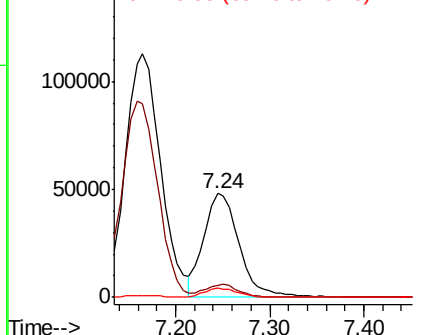
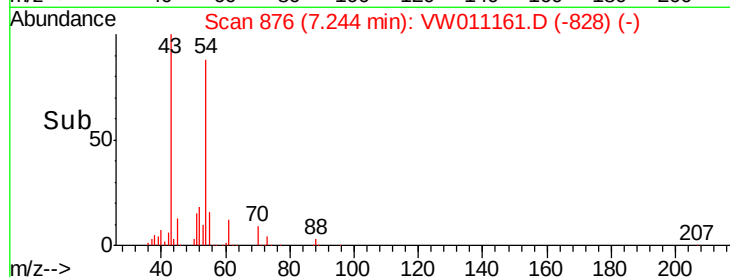
#37
Ethyl Acetate
Concen: 48.625 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 123912
Ion Ratio Lower Upper
43 100
61 11.6 9.5 14.3
70 8.6 7.1 10.7

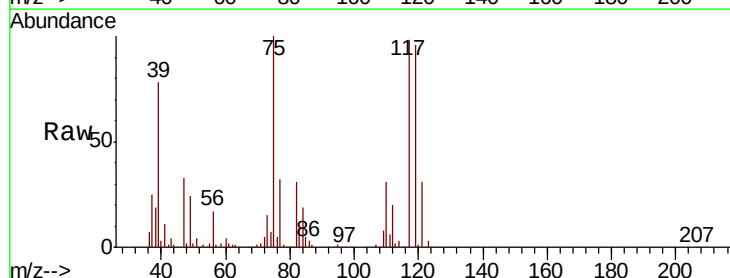


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

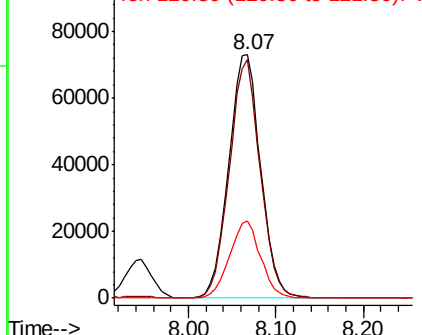
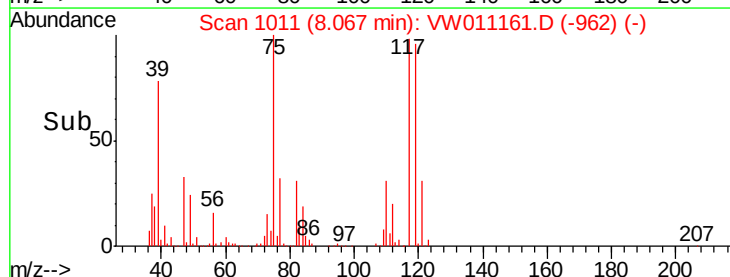


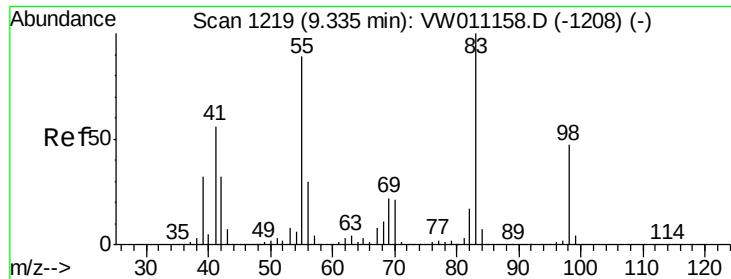
#38
Carbon Tetrachloride
Concen: 51.392 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 117 Resp: 184779
Ion Ratio Lower Upper
117 100
119 97.8 78.1 117.1
121 31.9 25.1 37.7



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

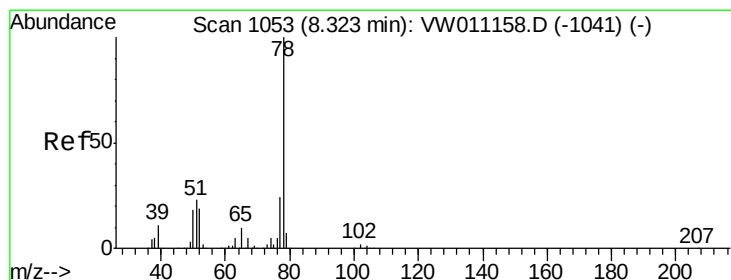
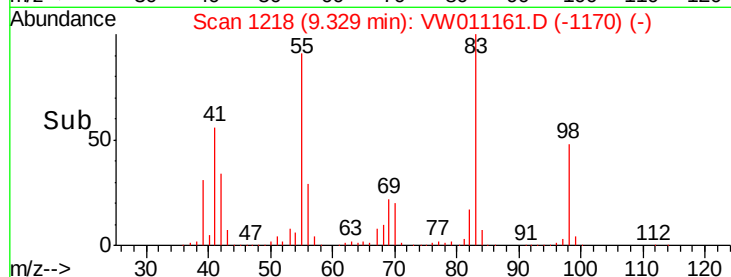
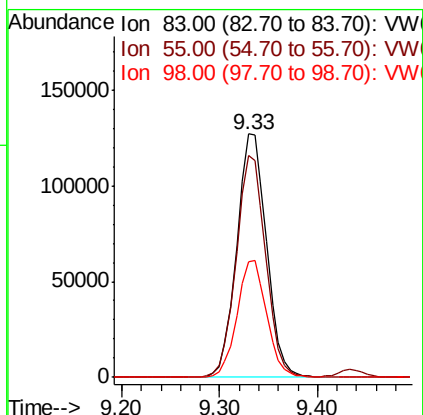
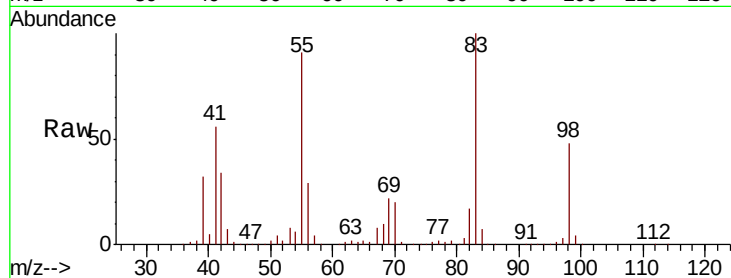




#39
Methylvlcyclohexane
Concen: 52.236 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

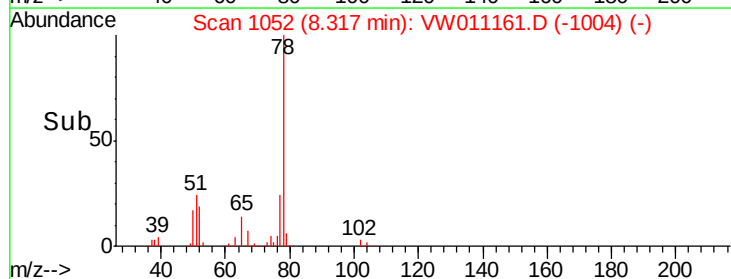
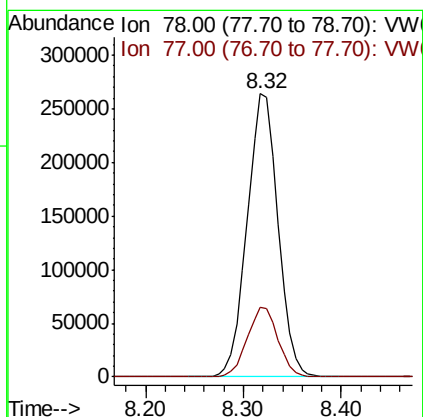
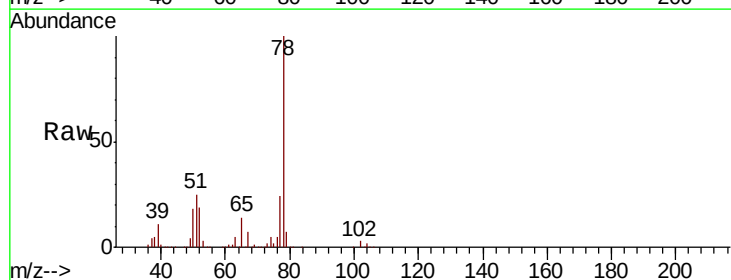
Instrument :
MSVOA_W
ClientSampled :

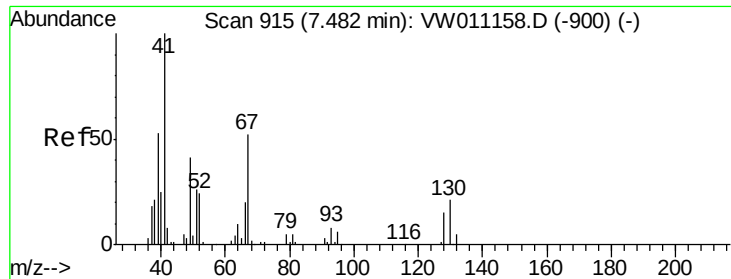
Tot Ion: 83 Resp: 268528
Ion Ratio Lower Upper
83 100
55 91.0 71.2 106.8
98 47.7 37.5 56.3



#40
Benzene
Concen: 49.516 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 78 Resp: 580397
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

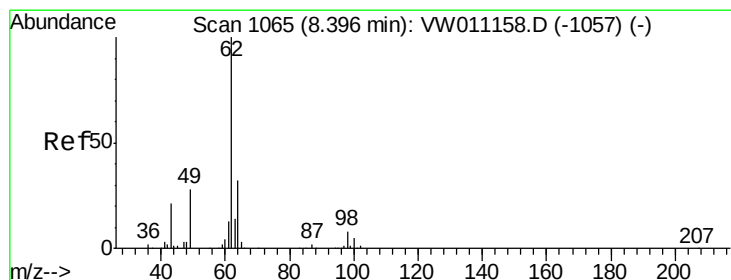
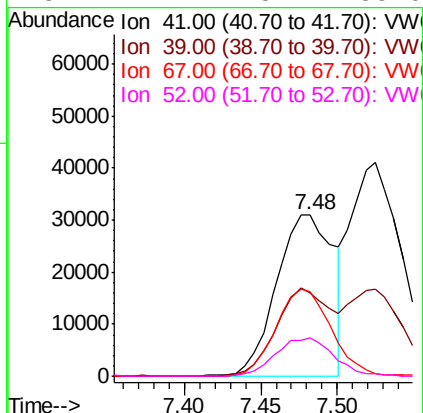
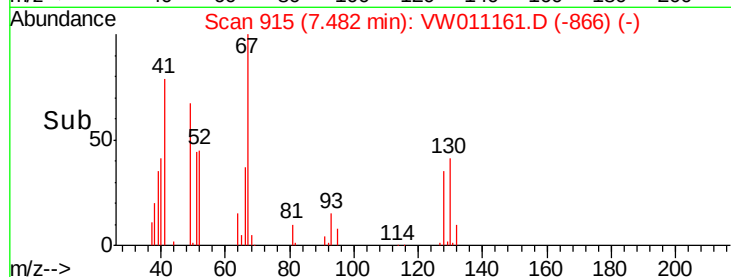
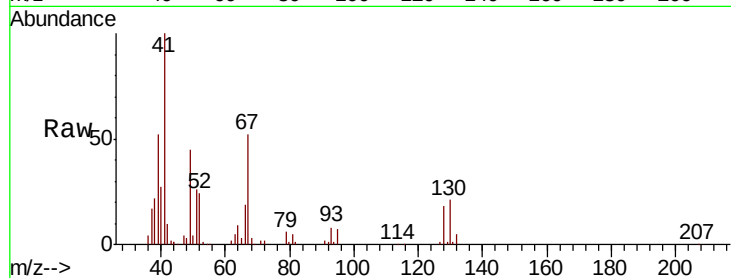




#41
Methacrylonitrile
Concen: 55.191 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

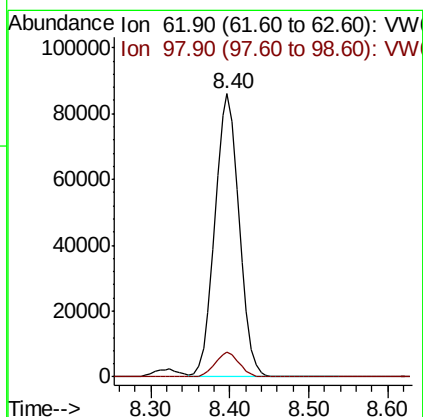
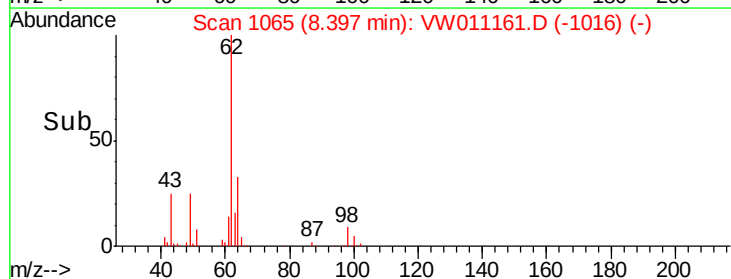
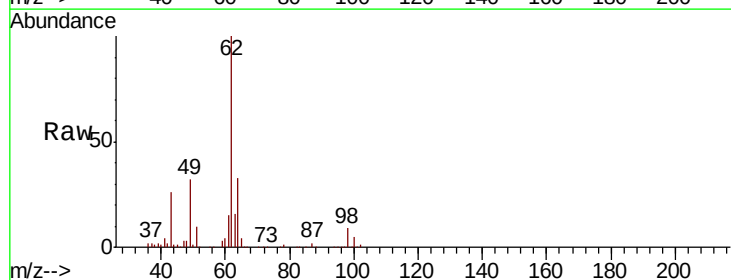
Instrument :
MSVOA_W
ClientSampleId :

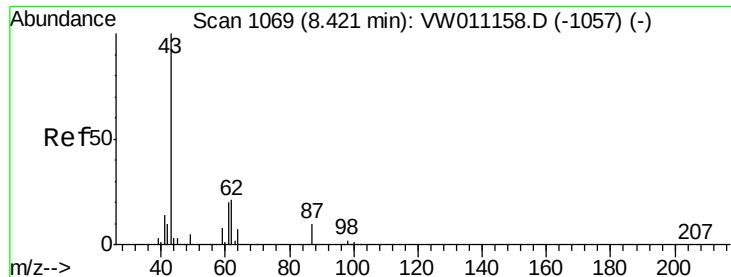
Tot Ion:	41	Resp:	80439
Ion	Ratio	Lower	Upper
41	100		
39	52.8	48.0	72.0
67	52.3	49.7	74.5
52	24.2	23.4	35.0



#42
1,2-Dichloroethane
Concen: 48.387 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion:	62	Resp:	183983
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 49.665 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

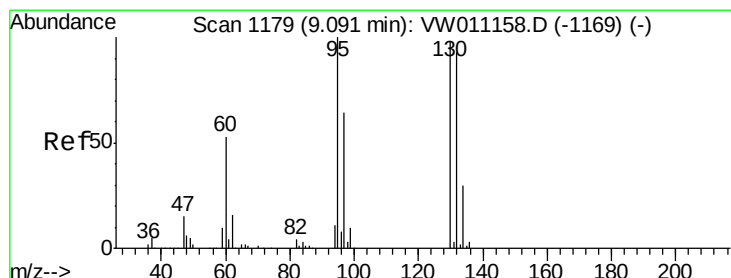
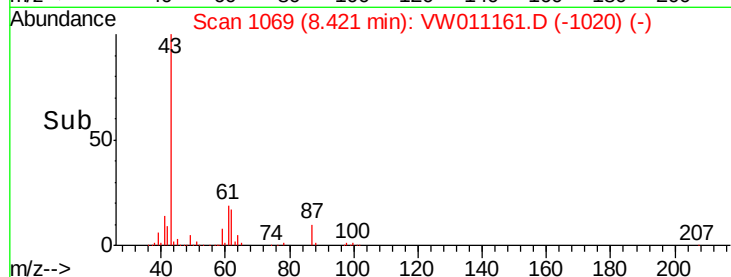
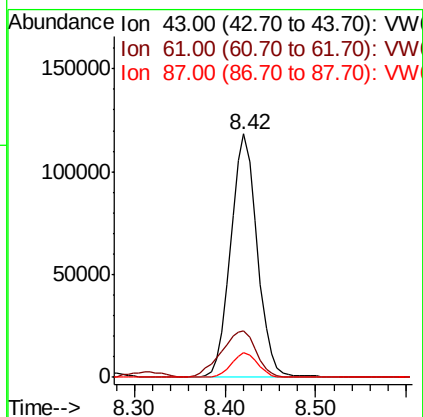
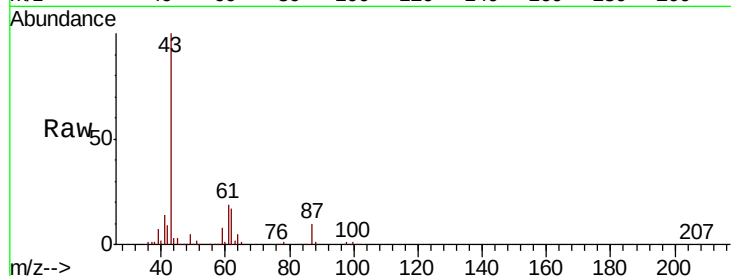
Tot Ion: 43 Resp: 238945

Ion Ratio Lower Upper

43 100

61 25.5 20.7 31.1

87 10.3 8.1 12.1



#44

Trichloroethene

Concen: 50.014 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011161.D

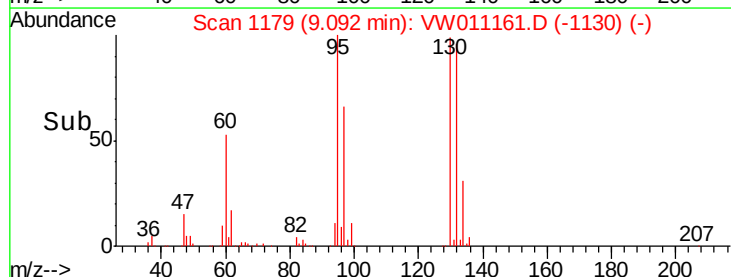
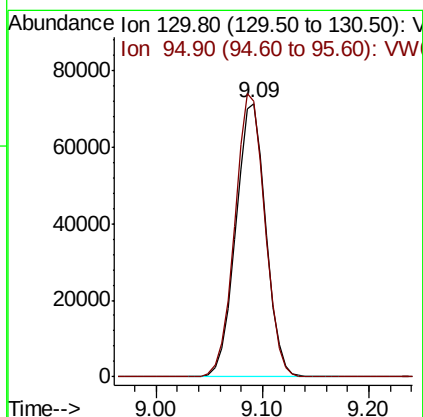
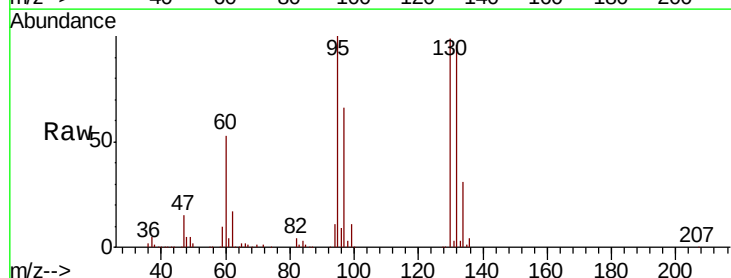
Acq: 08 Jul 2019 13:30

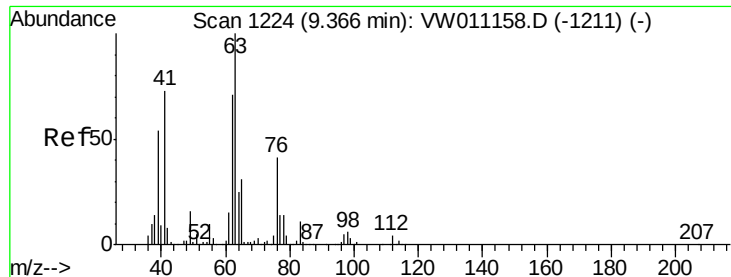
Tgt Ion:130 Resp: 141072

Ion Ratio Lower Upper

130 100

95 100.9 0.0 203.6

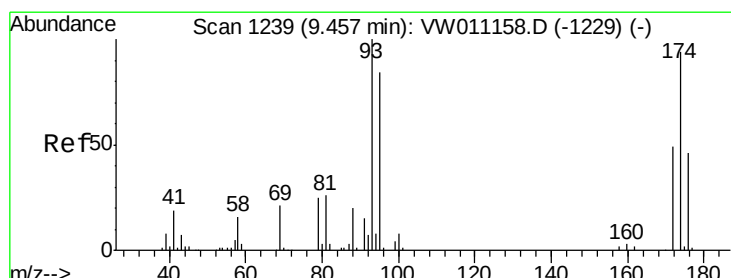
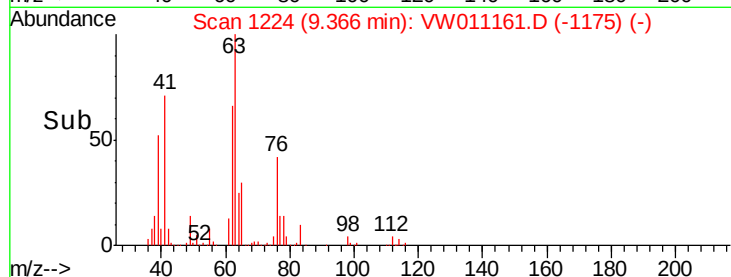
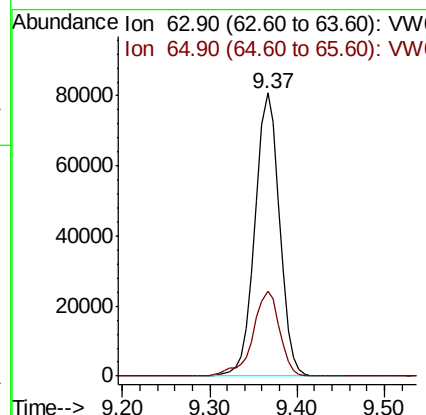
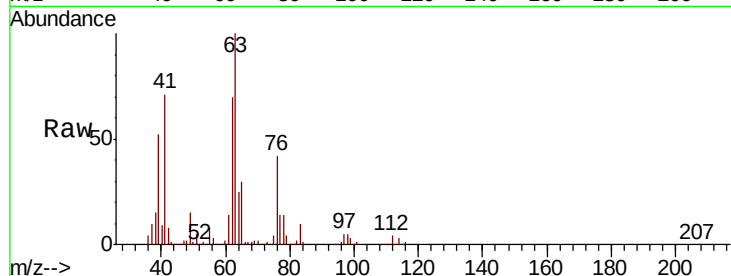




#45
 1,2-Dichloropropane
 Concen: 49.551 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

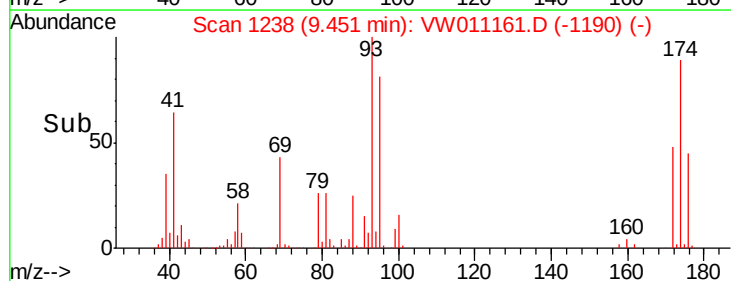
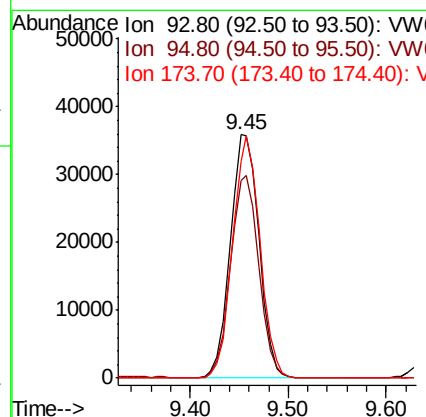
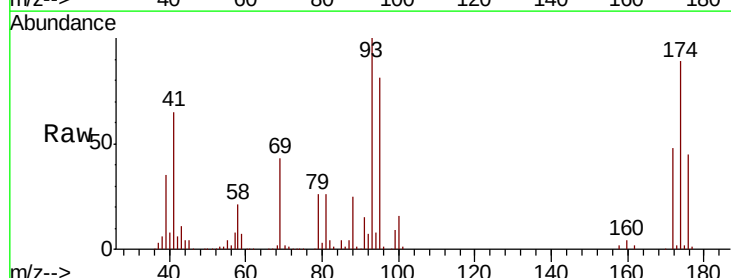
Instrument :
 MSVOA_W
 ClientSampleId :

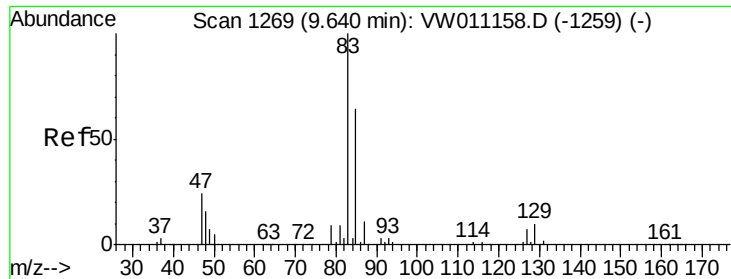
Tot Ion: 63 Resp: 157280
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6



#46
 Dibromomethane
 Concen: 48.811 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion: 93 Resp: 72779
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.2 100.8
 174 94.9 76.3 114.5

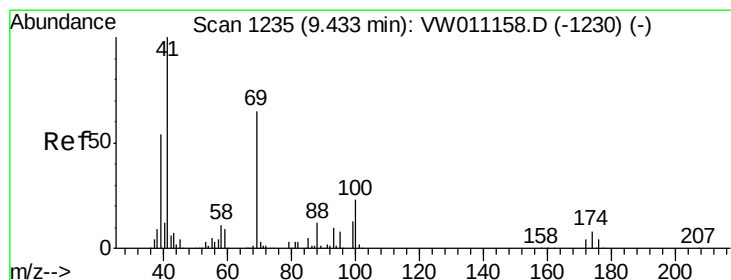
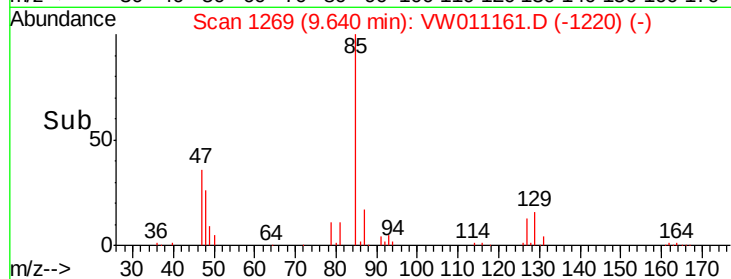
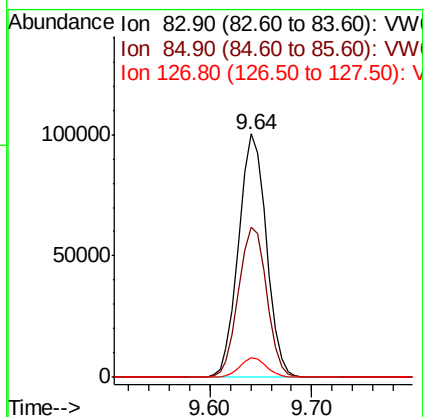
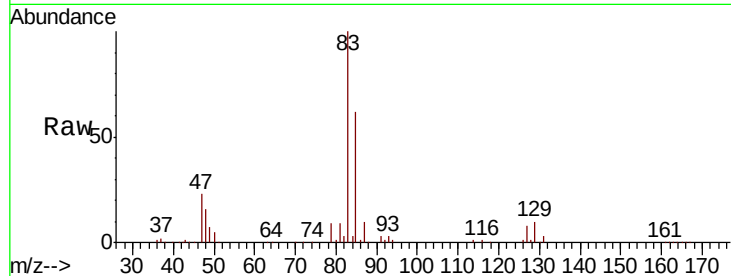




#47
 Bromodichloromethane
 Concen: 49.696 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

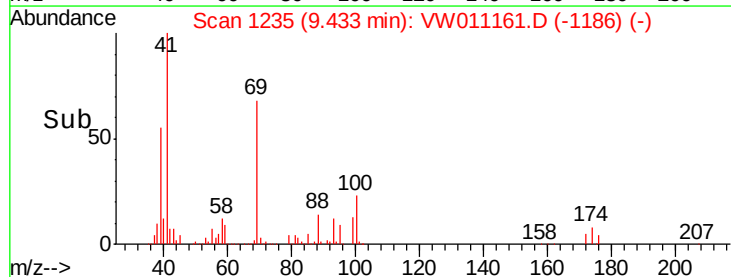
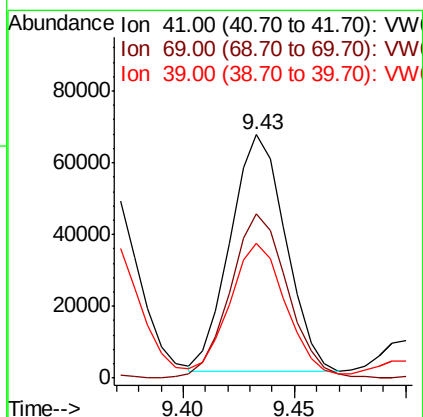
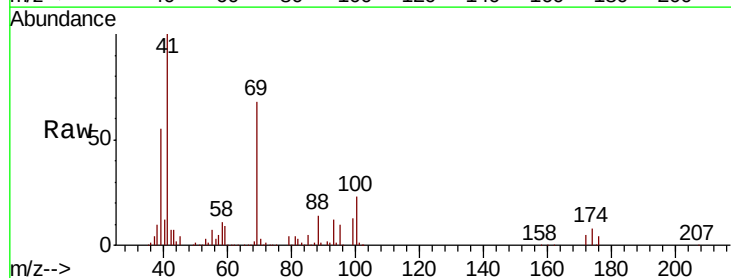
Instrument :
 MSVOA_W
 ClientSampleId :

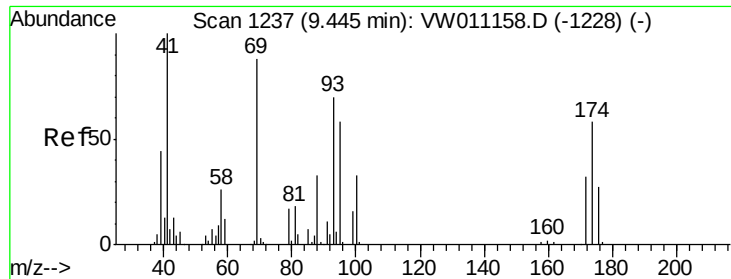
Tot Ion	83	Resp	189592
Ion Ratio	Lower	Upper	
83	100		
85	61.9	51.0	76.4
127	7.8	6.0	9.0



#48
 Methyl methacrylate
 Concen: 49.001 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	41	Resp	113418
Ion Ratio	Lower	Upper	
41	100		
69	72.7	56.0	84.0
39	55.3	43.5	65.3

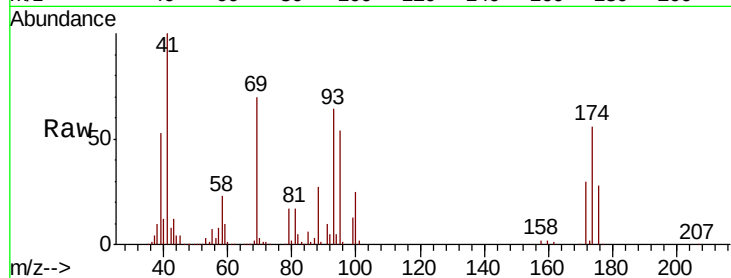




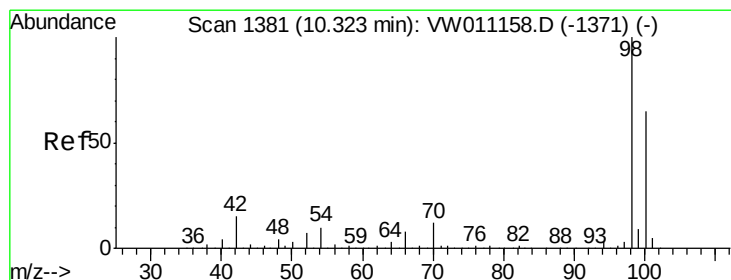
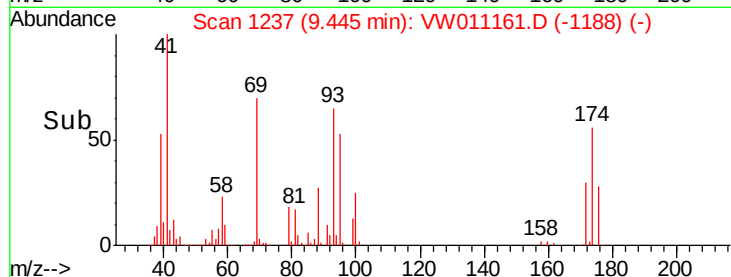
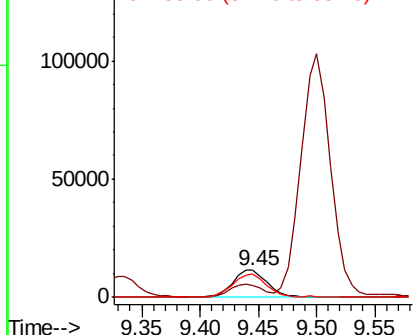
#49
1,4-Dioxane
Concen: 951.786 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 23688
Ion Ratio Lower Upper
88 100
43 45.8 33.4 50.0
58 84.6 64.5 96.7

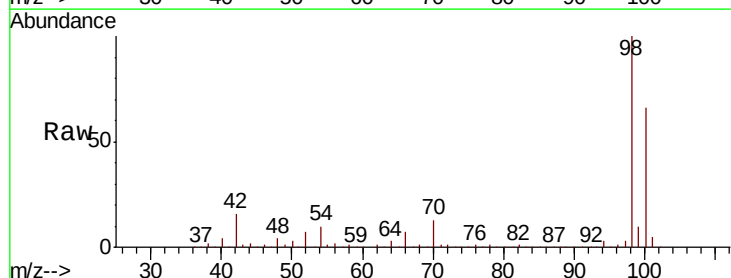


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

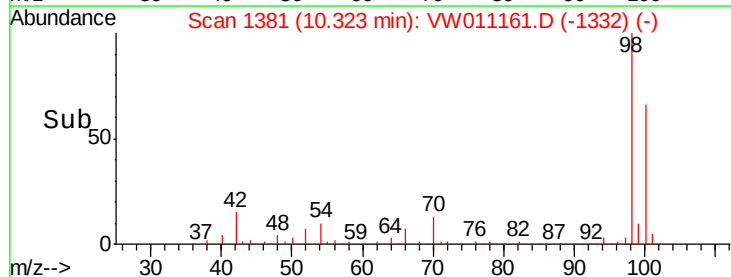
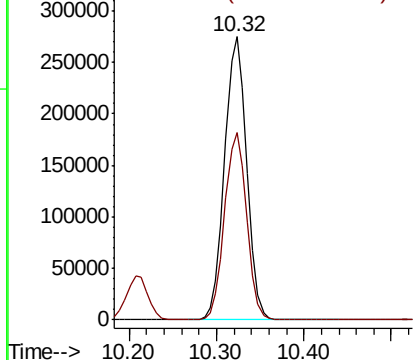


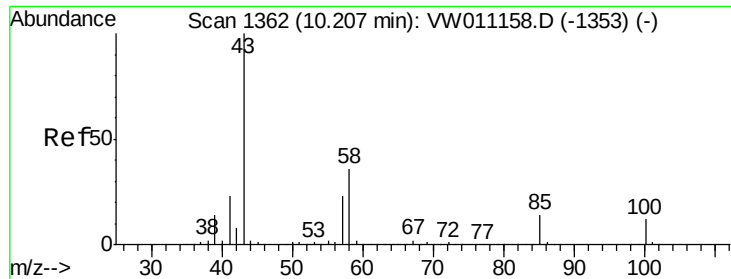
#50
Toluene-d8
Concen: 50.151 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 98 Resp: 481238
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



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

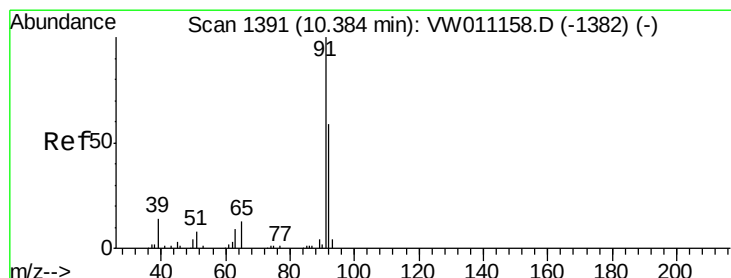
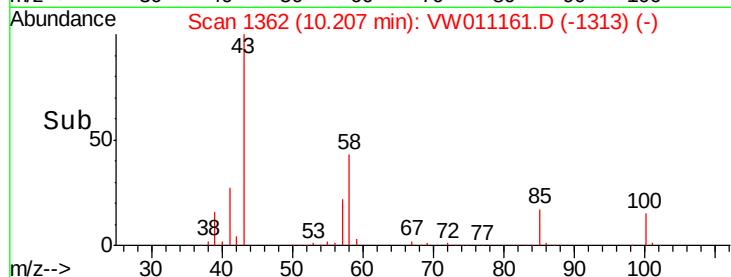
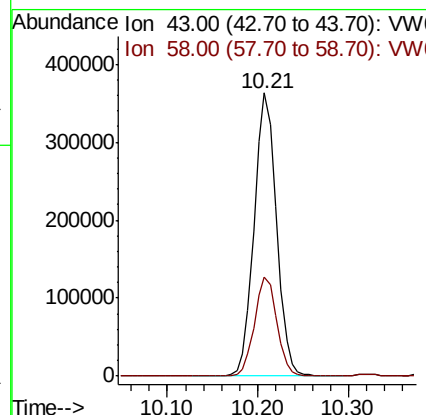
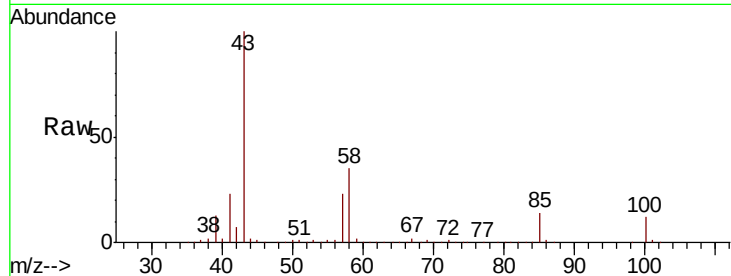




#51
4-Methyl-2-Pentanone
Concen: 246.412 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

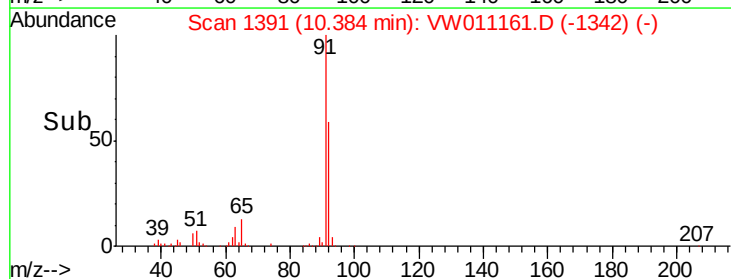
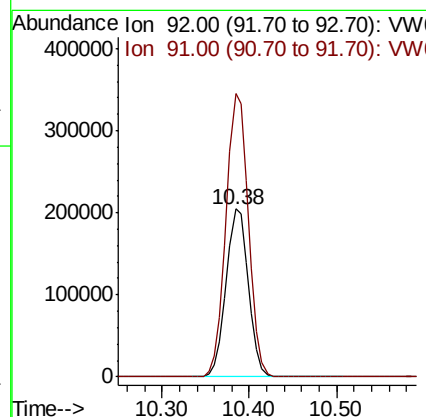
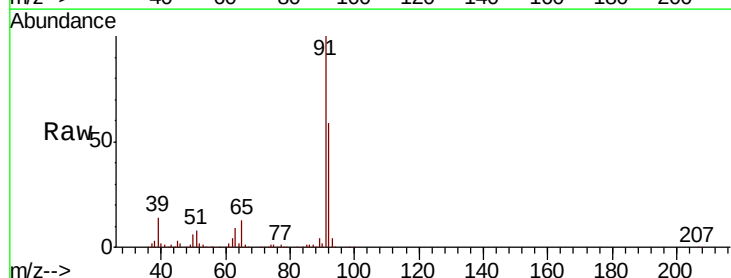
Instrument :
MSVOA_W
ClientSampled :

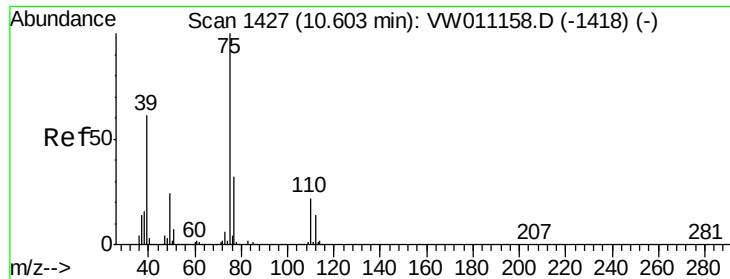
Tot Ion: 43 Resp: 619285
Ion Ratio Lower Upper
43 100
58 35.1 28.2 42.2



#52
Toluene
Concen: 50.742 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 92 Resp: 360789
Ion Ratio Lower Upper
92 100
91 169.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 51.013 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

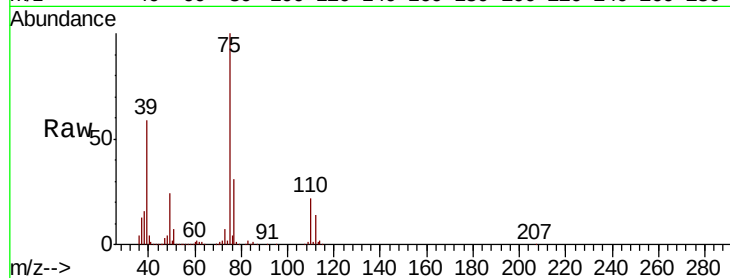
ClientSampled :

Tot Ion: 75 Resp: 207159

Ion Ratio Lower Upper

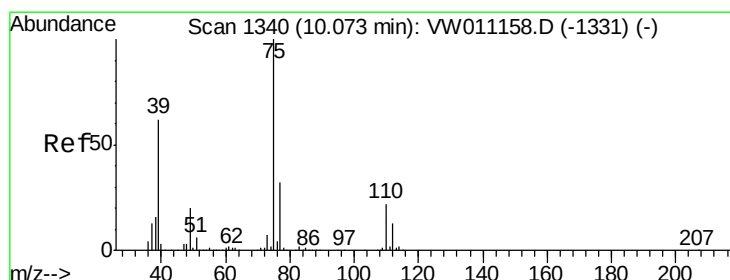
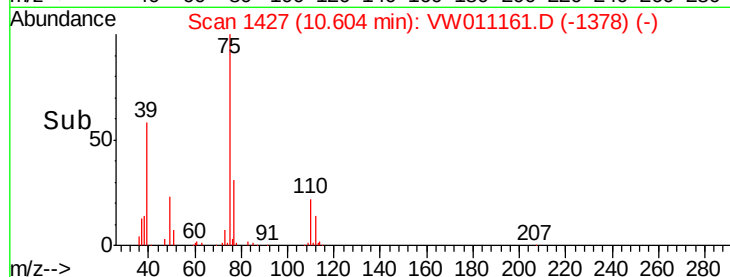
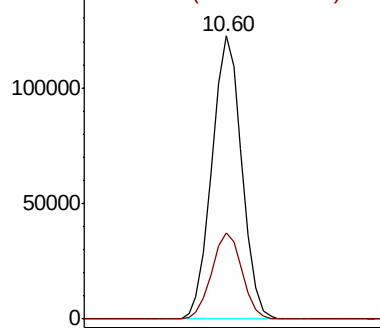
75 100

77 30.7 25.4 38.0



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: 50.472 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

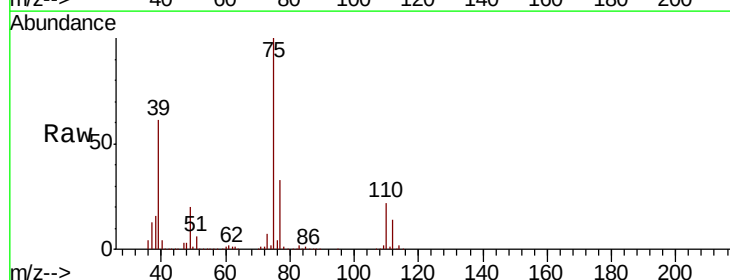
Tgt Ion: 75 Resp: 241251

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

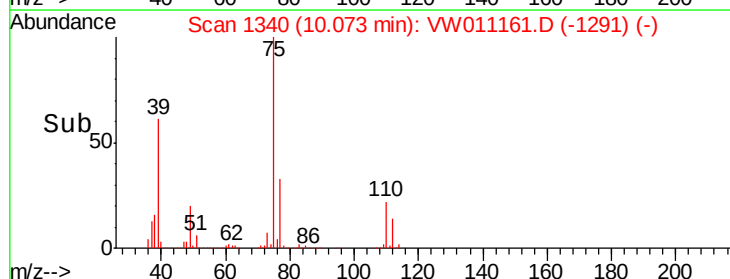
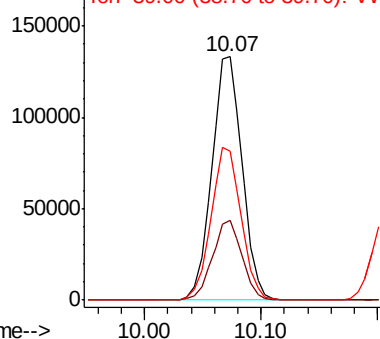
39 61.3 49.8 74.8

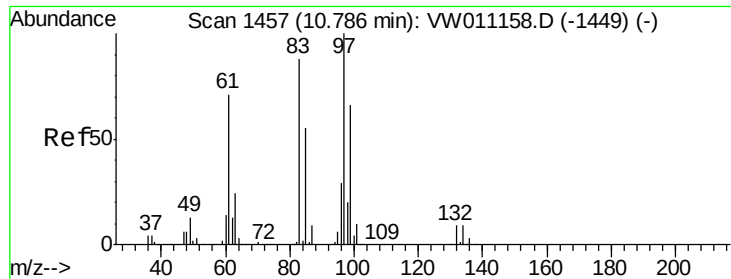


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

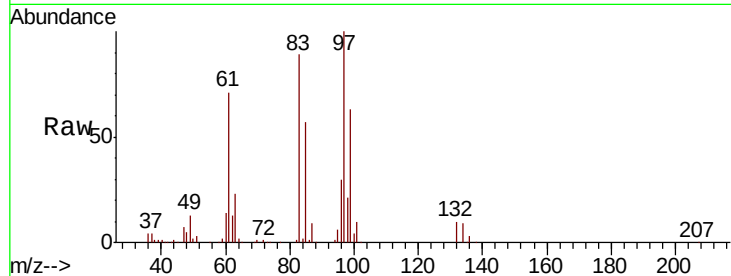




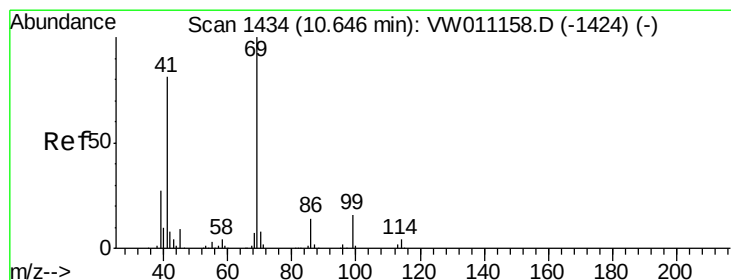
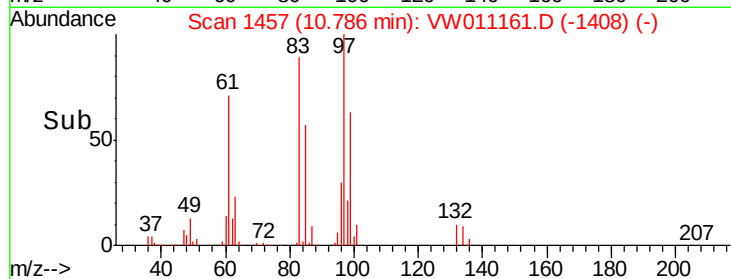
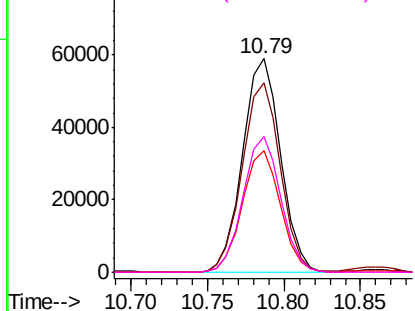
#55
 1,1,2-Trichloroethane
 Concen: 48.352 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	102277
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.2	105.4
85	56.7	44.2	66.2
99	63.1	52.6	79.0

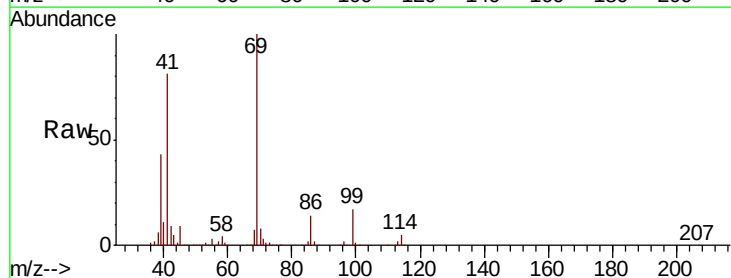


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

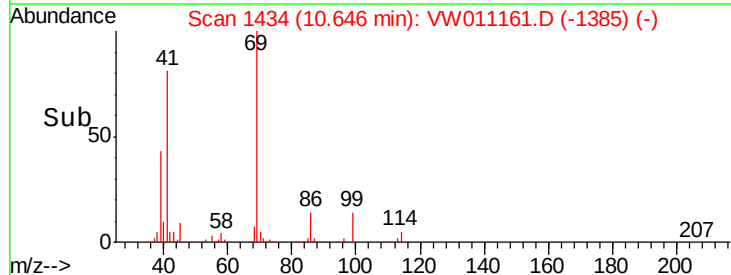
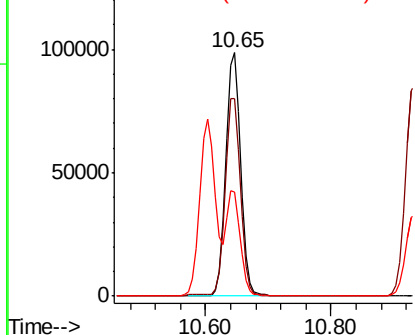


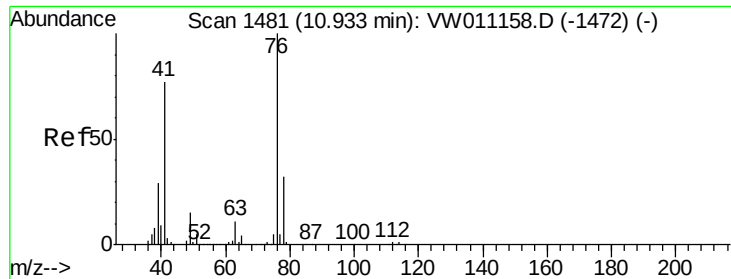
#56
 Ethyl methacrylate
 Concen: 50.429 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion:	69	Resp:	162403
Ion	Ratio	Lower	Upper
69	100		
41	82.5	66.5	99.7
39	38.7	32.5	48.7



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

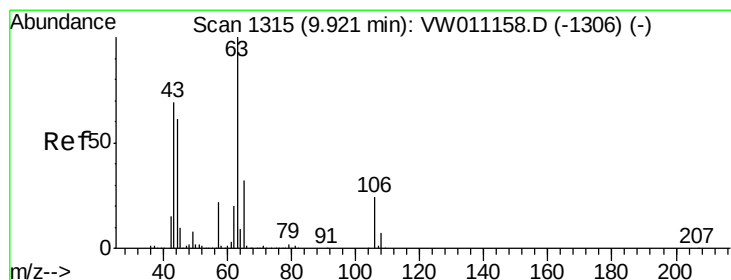
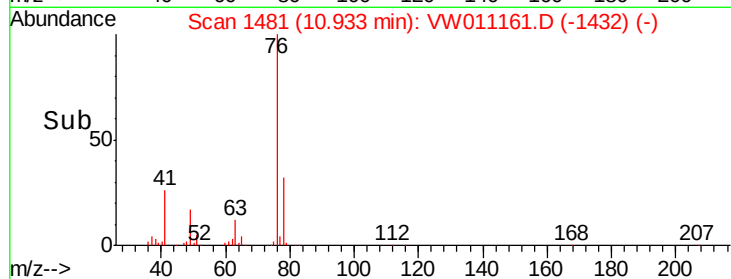
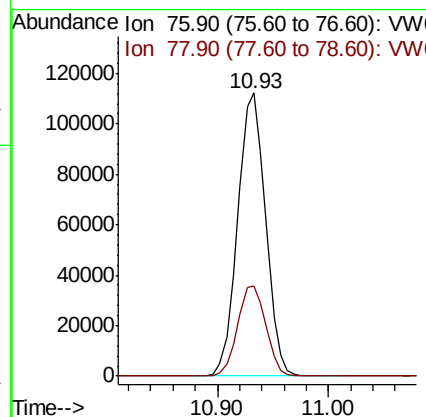
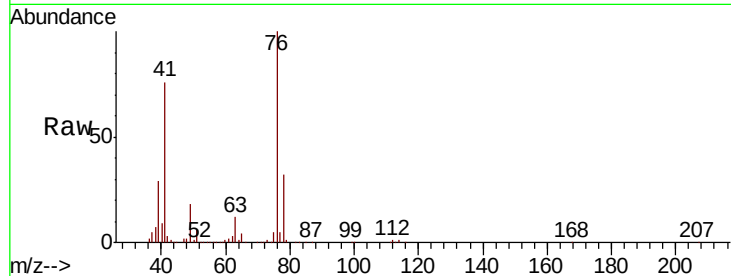




#57
 1,3-Dichloropropane
 Concen: 48.600 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

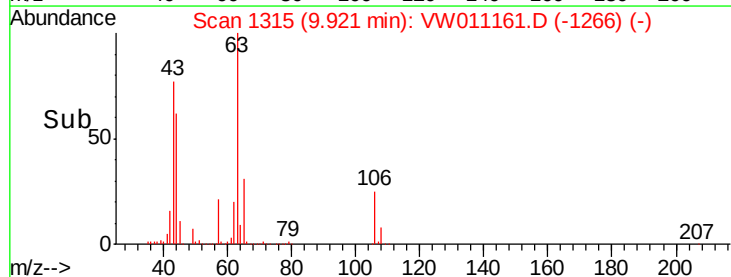
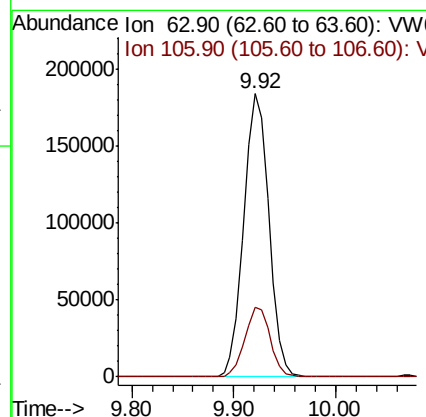
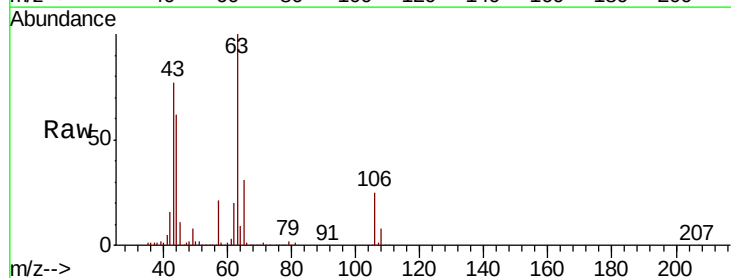
Instrument :
 MSVOA_W
 ClientSampled :

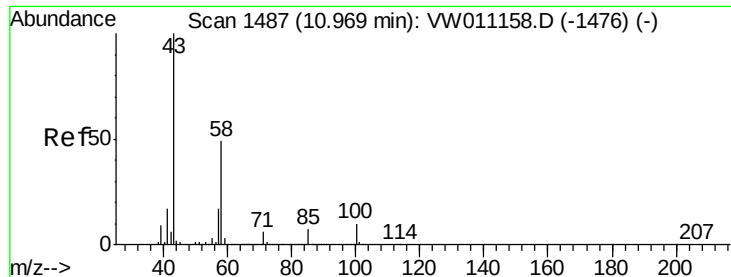
Tot Ion: 76 Resp: 194399
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 210.208 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion: 63 Resp: 313840
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0

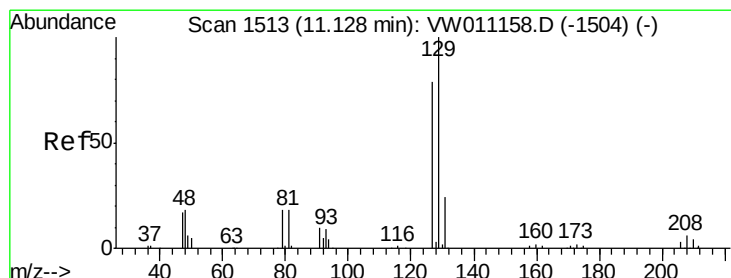
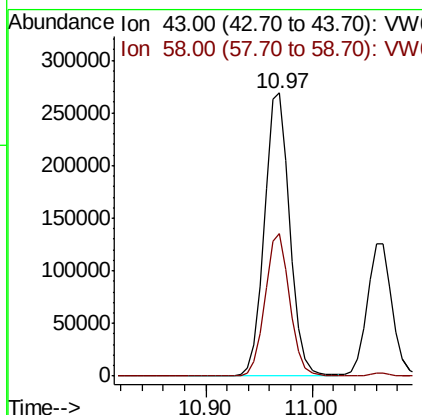
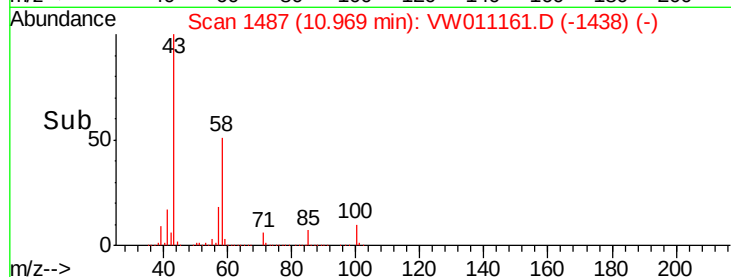
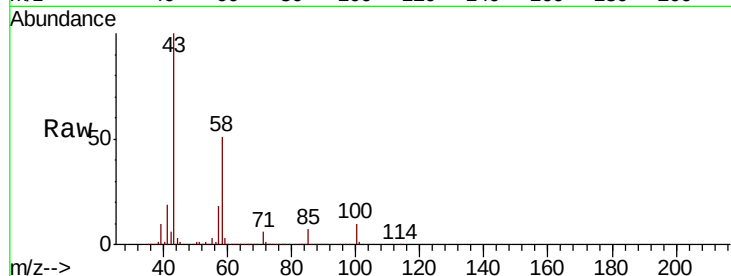




#59
2-Hexanone
Concen: 256.237 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

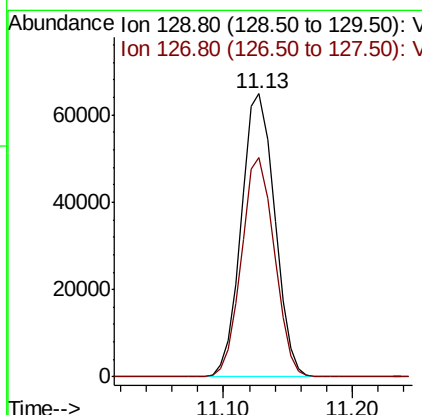
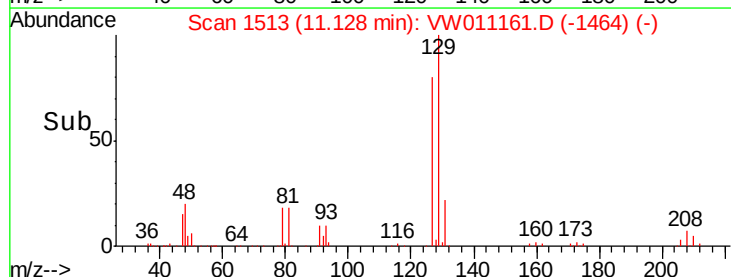
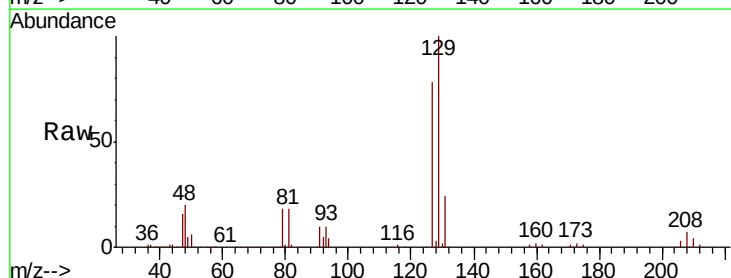
Instrument :
MSVOA_W
ClientSampled :

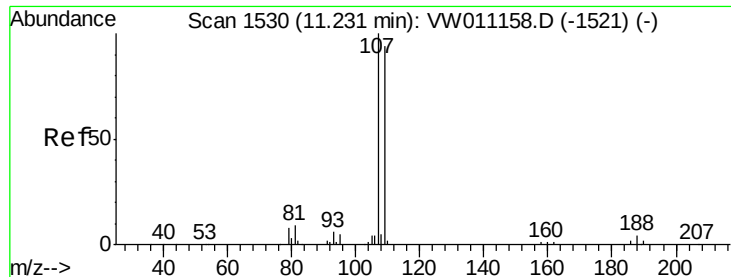
Tot Ion: 43 Resp: 446599
Ion Ratio Lower Upper
43 100
58 49.2 24.4 73.4



#60
Dibromochloromethane
Concen: 50.281 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 129 Resp: 116628
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3

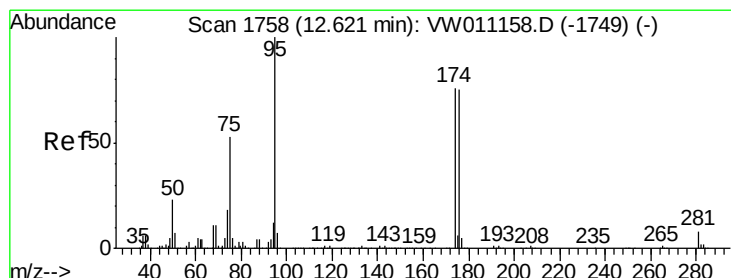
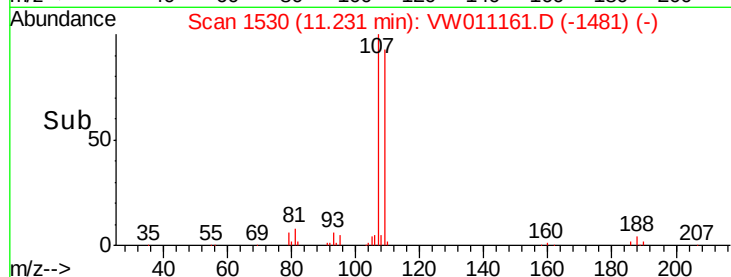
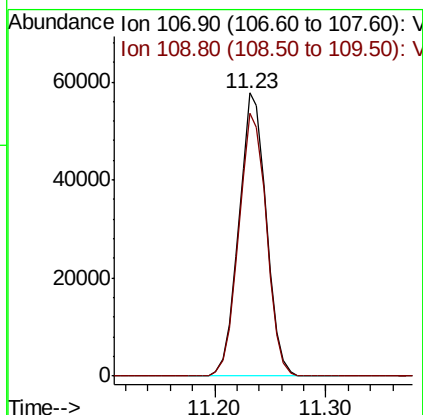
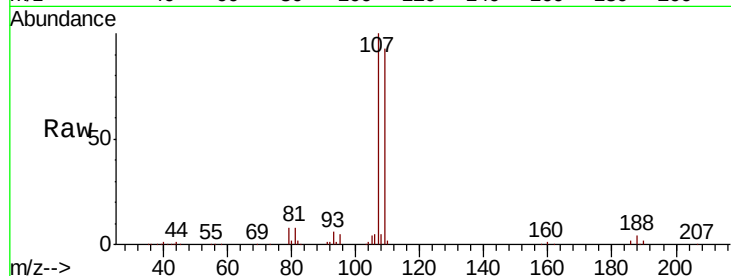




#61
1,2-Dibromoethane
Concen: 49.027 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

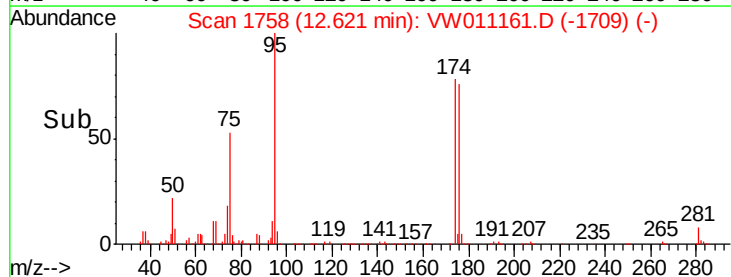
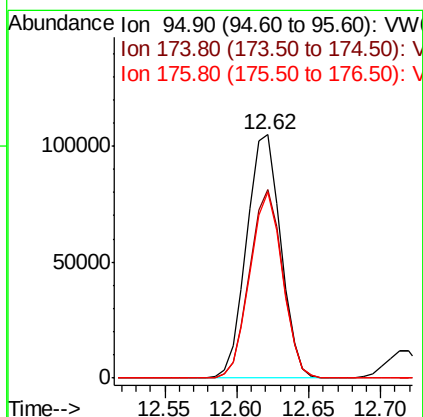
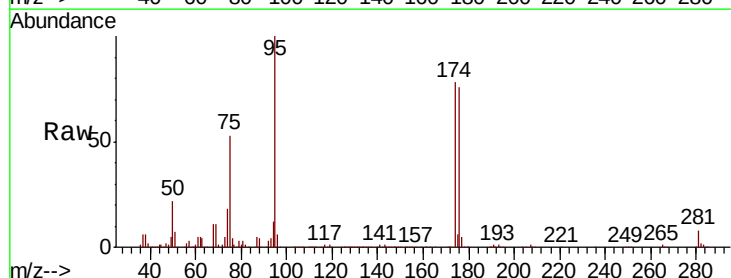
Instrument :
MSVOA_W
ClientSampleId :

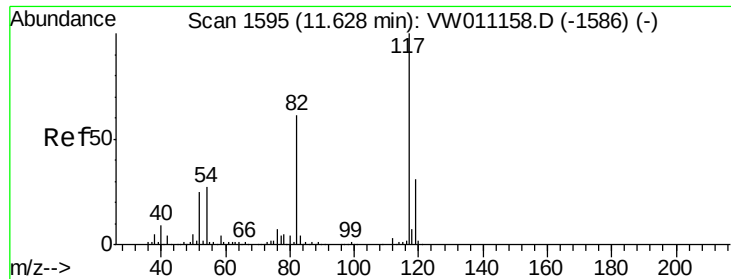
Tot Ion: 107 Resp: 98232
Ion Ratio Lower Upper
107 100
109 94.2 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 49.028 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 95 Resp: 172441
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.6
176 73.0 0.0 144.6

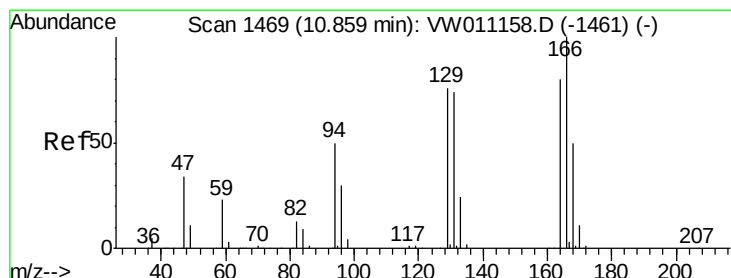
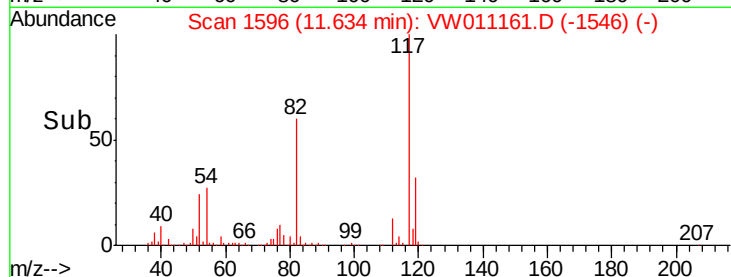
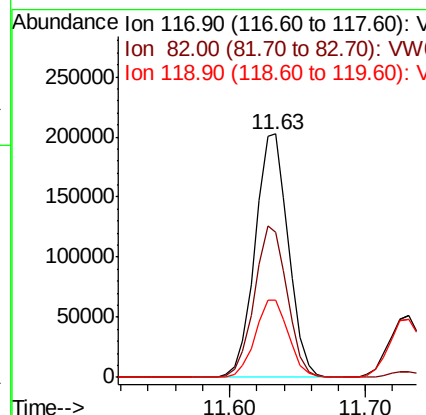
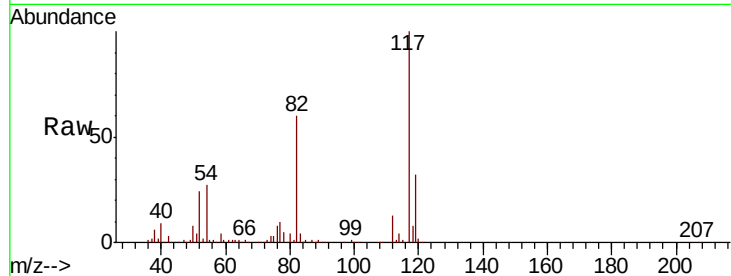




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

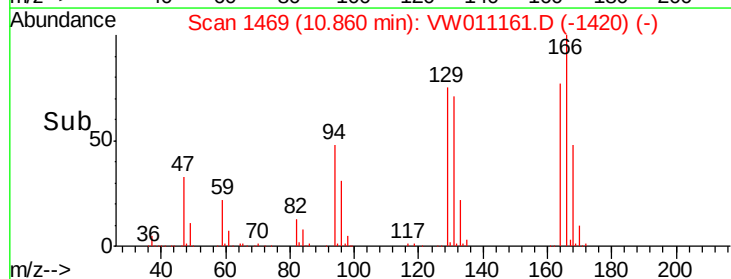
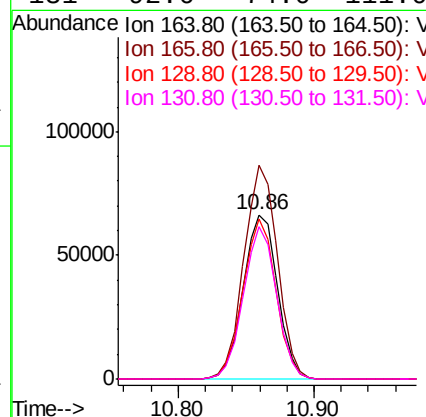
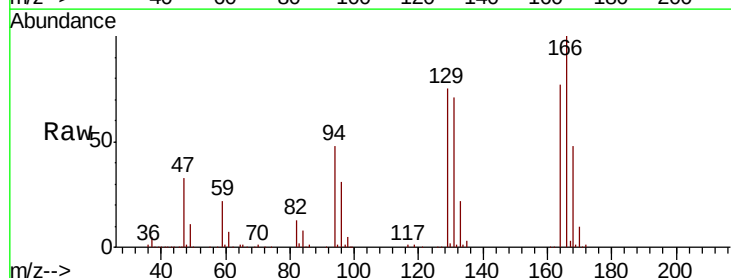
Instrument :
MSVOA_W
ClientSampleId :

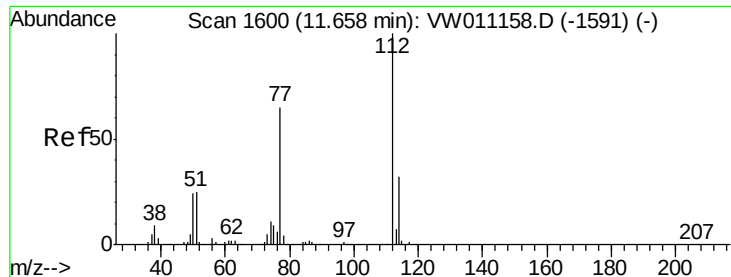
Tot Ion:117 Resp: 346638
Ion Ratio Lower Upper
117 100
82 59.8 48.9 73.3
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 49.917 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion:164 Resp: 116758
Ion Ratio Lower Upper
164 100
166 129.9 99.7 149.5
129 97.0 76.2 114.2
131 92.6 74.0 111.0

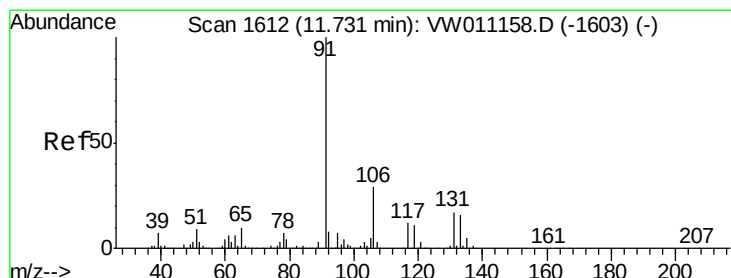
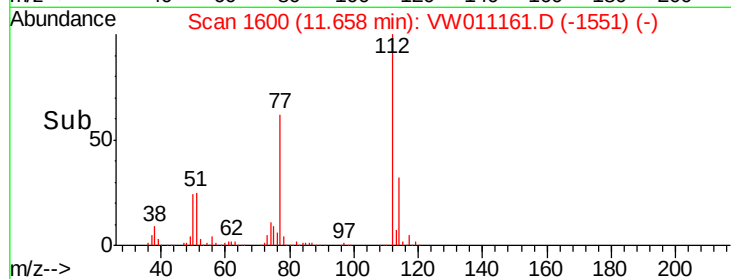
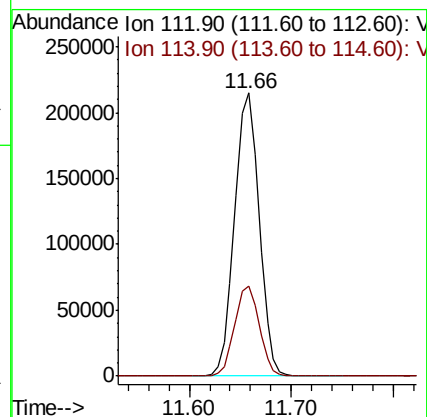
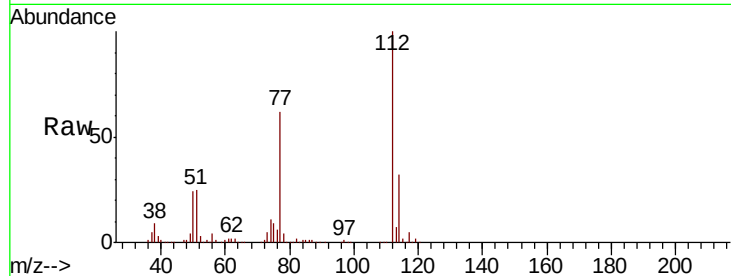




#65
Chlorobenzene
Concen: 50.728 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

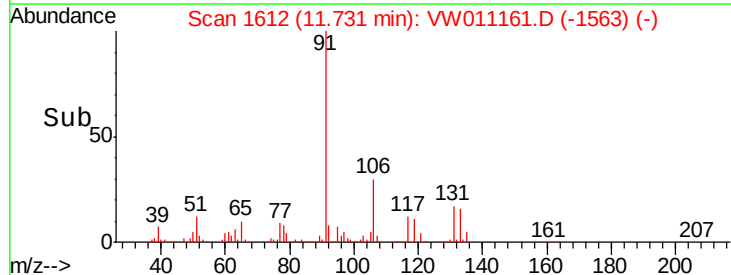
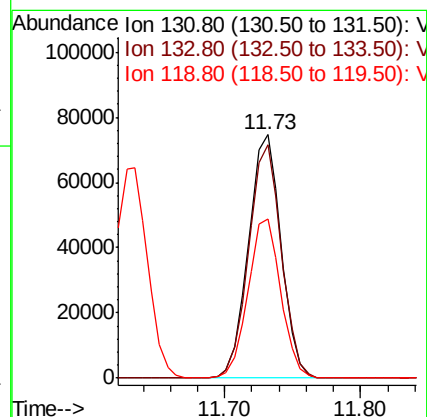
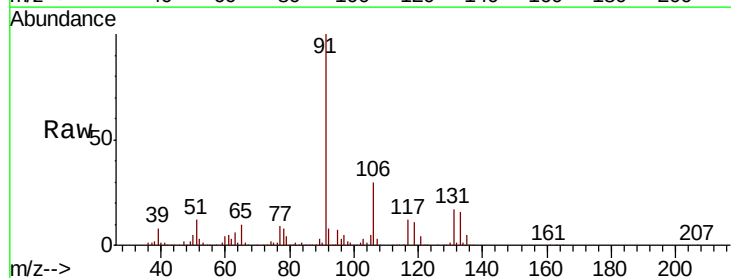
Instrument :
MSVOA_W
ClientSampleId :

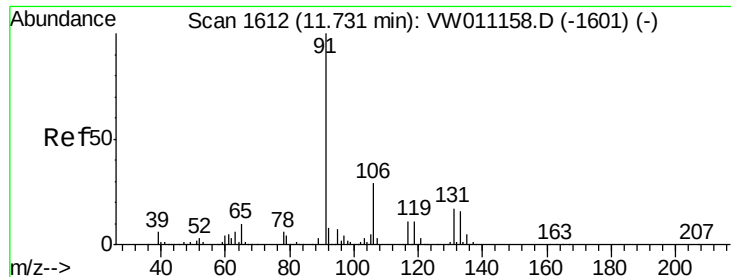
Tot Ion:112 Resp: 357507
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.509 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion:131 Resp: 125334
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.8
119 65.8 33.1 99.2

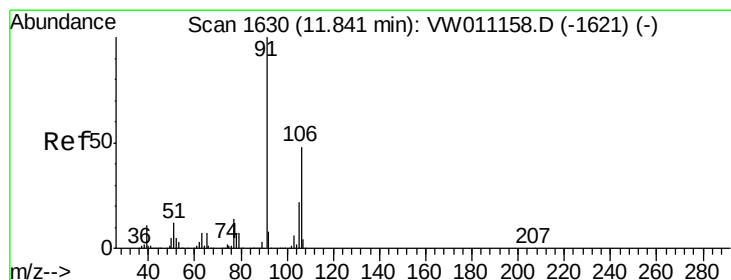
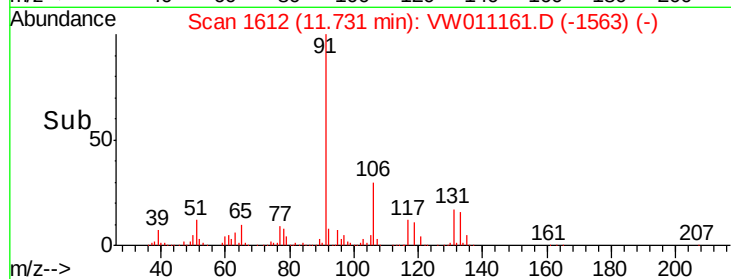
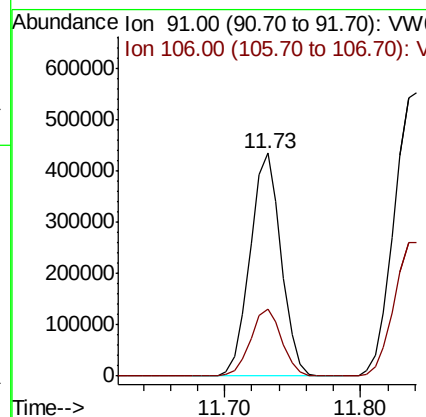
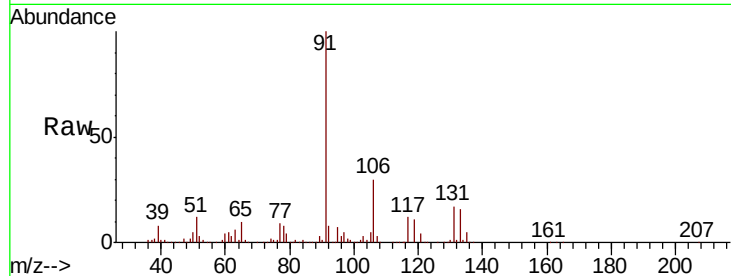




#67
Ethyl Benzene
Concen: 51.570 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

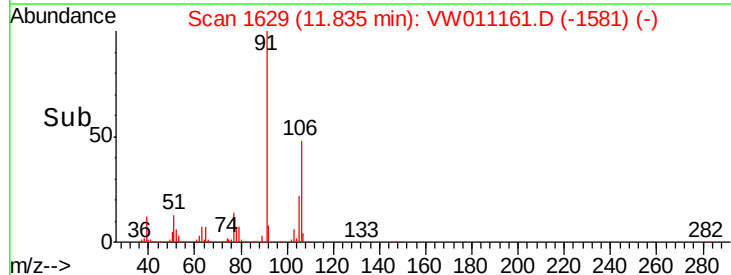
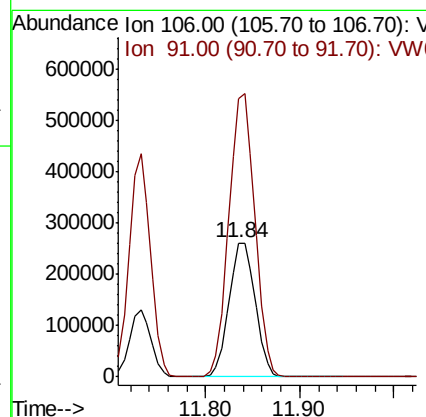
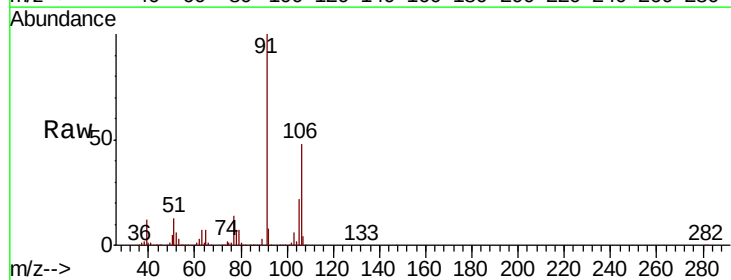
Instrument :
MSVOA_W
ClientSampled :

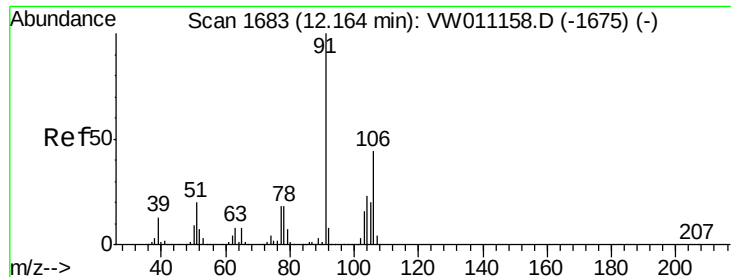
Tot Ion: 91 Resp: 695752
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3



#68
m/p-Xylenes
Concen: 103.290 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 106 Resp: 504241
Ion Ratio Lower Upper
106 100
91 209.6 167.7 251.5

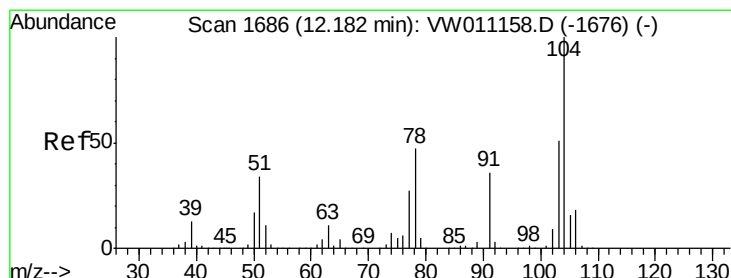
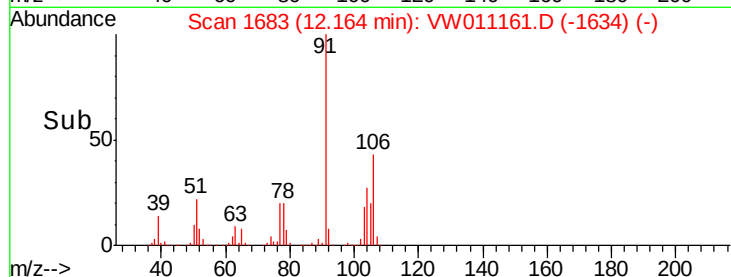
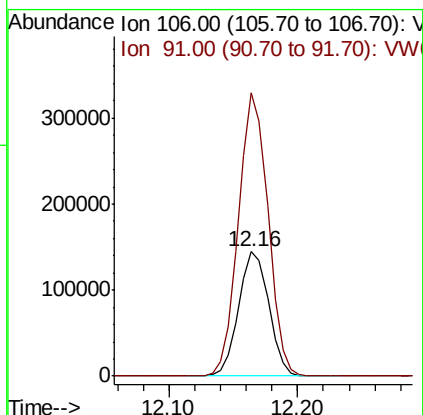
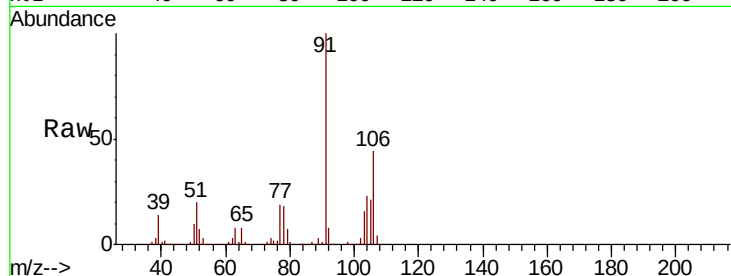




#69
o-Xylene
Concen: 51.093 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

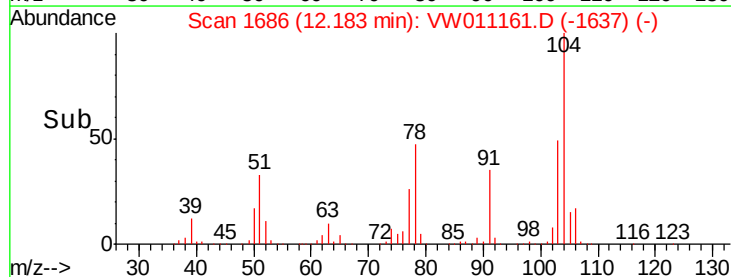
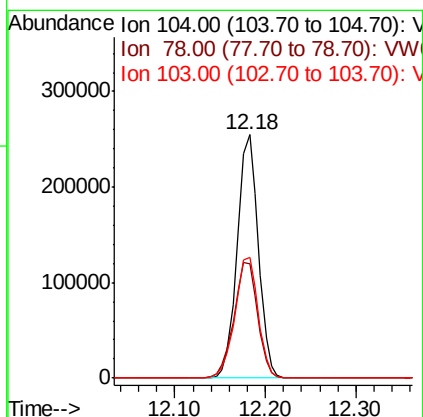
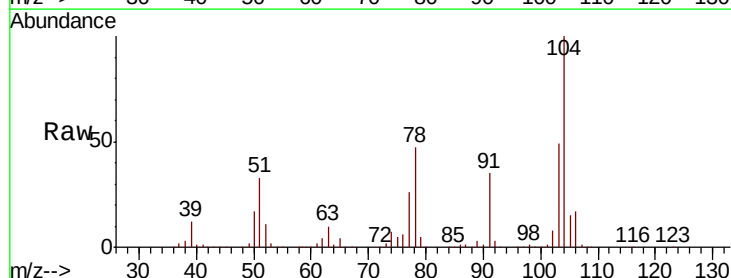
Instrument :
MSVOA_W
ClientSampled :

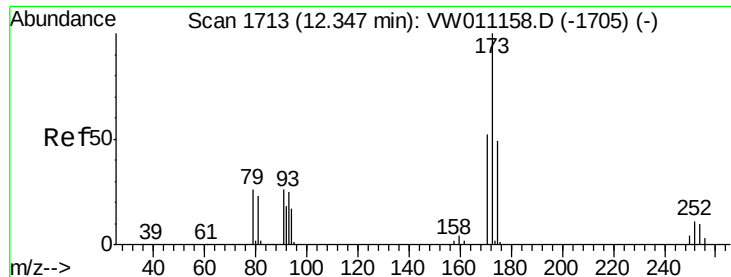
Tot Ion:106 Resp: 235088
Ion Ratio Lower Upper
106 100
91 223.4 110.7 332.1



#70
Styrene
Concen: 51.804 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion:104 Resp: 411368
Ion Ratio Lower Upper
104 100
78 53.5 43.1 64.7
103 54.5 44.1 66.1





#71

Bromoform

Concen: 49.703 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampled :

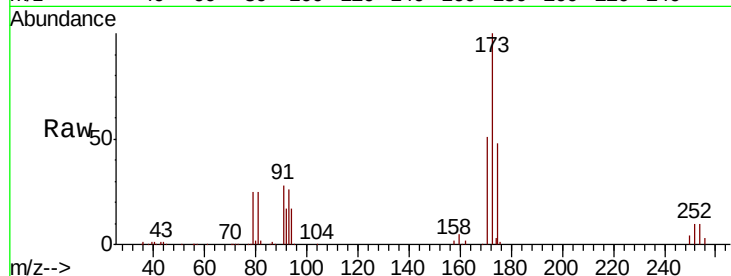
Tot Ion:173 Resp: 65575

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

254 0.1 0.0 0.0#

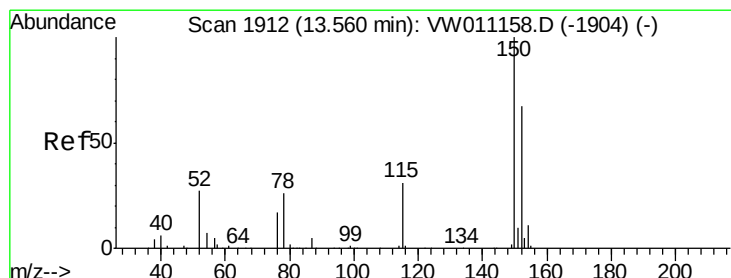
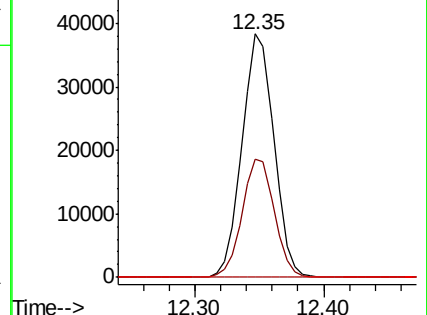
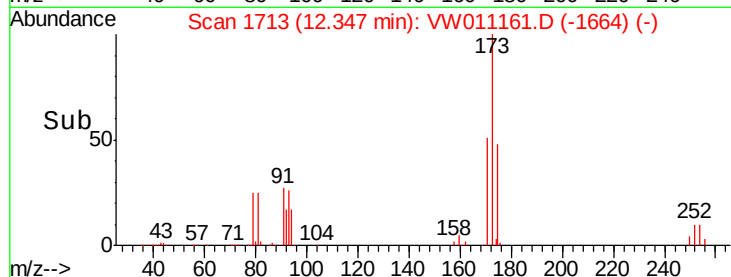


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

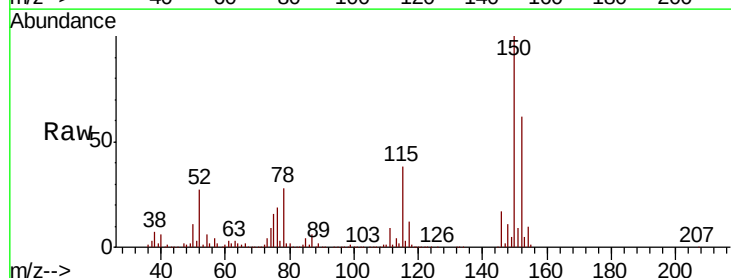
Tgt Ion:152 Resp: 167399

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

150 172.6 0.0 346.0

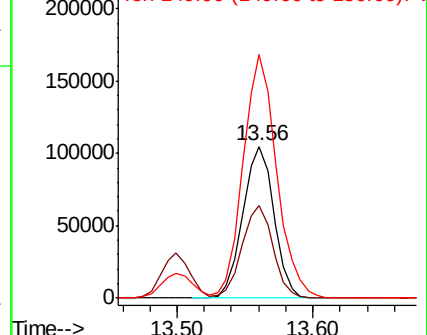
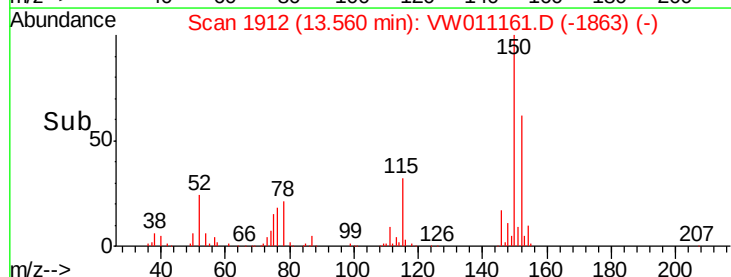


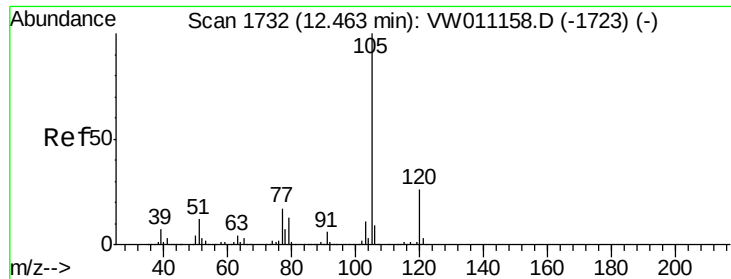
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.465 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

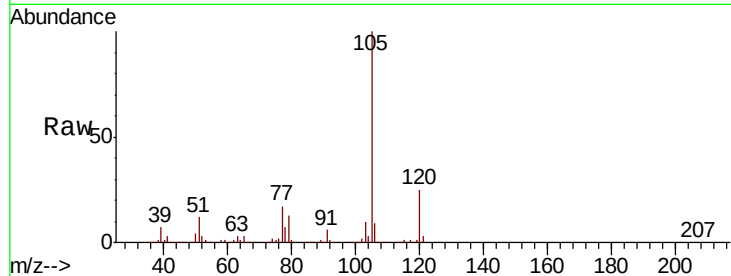
ClientSampleId :

Tot Ion:105 Resp: 656528

Ion Ratio Lower Upper

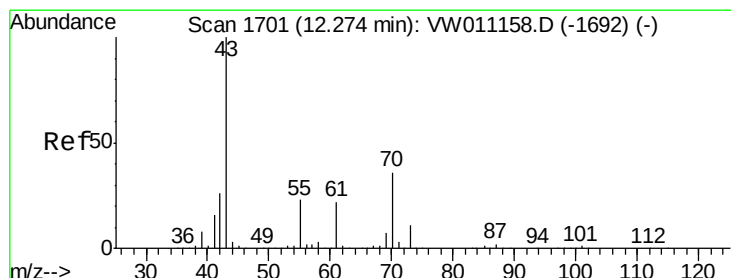
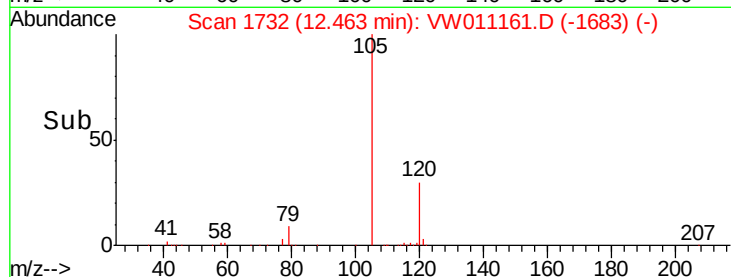
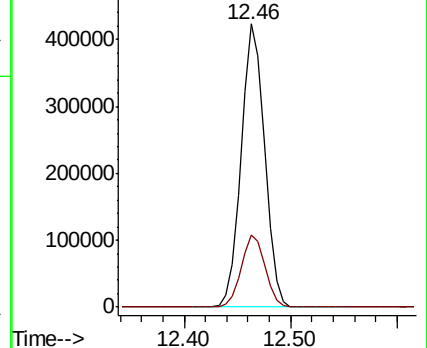
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.114 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion: 43 Resp: 222764

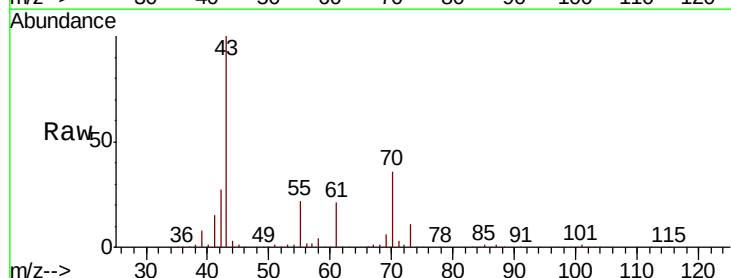
Ion Ratio Lower Upper

43 100

70 35.6 28.5 42.7

55 22.3 18.1 27.1

61 21.5 17.2 25.8

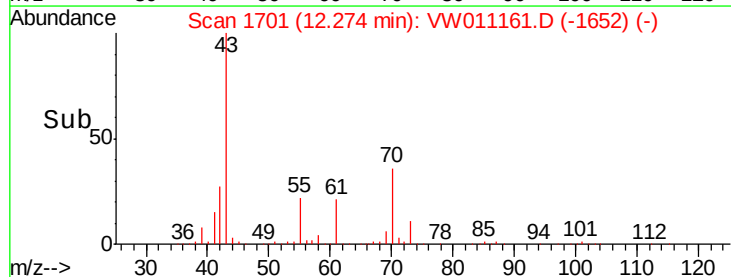
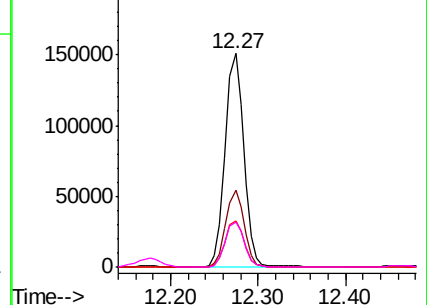


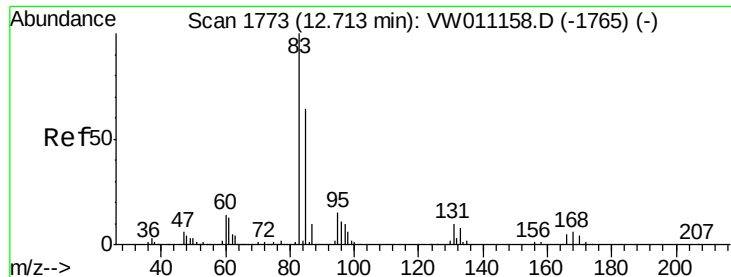
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 49.433 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampled :

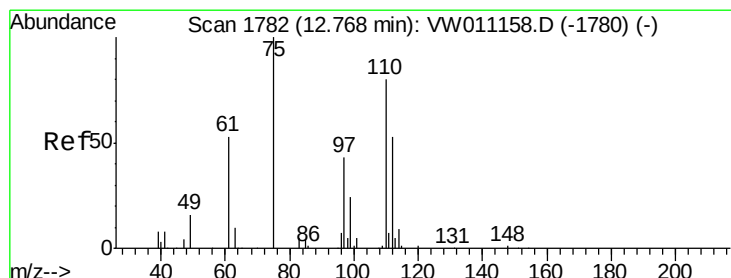
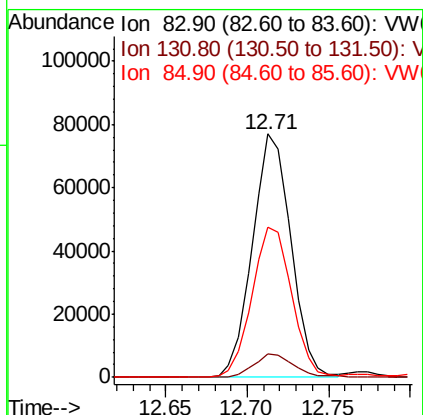
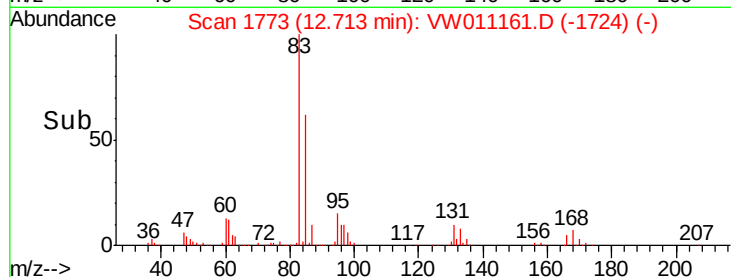
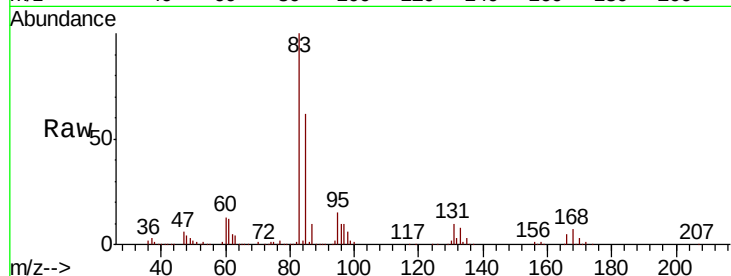
Tot Ion: 83 Resp: 126803

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

85 63.4 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 87.847 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011161.D

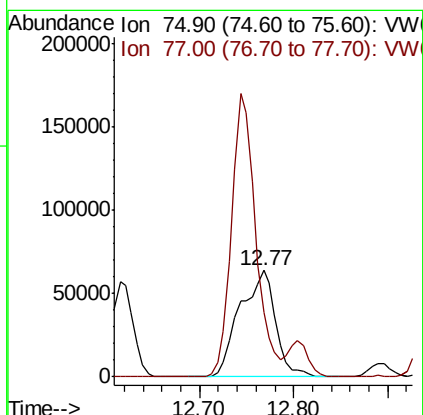
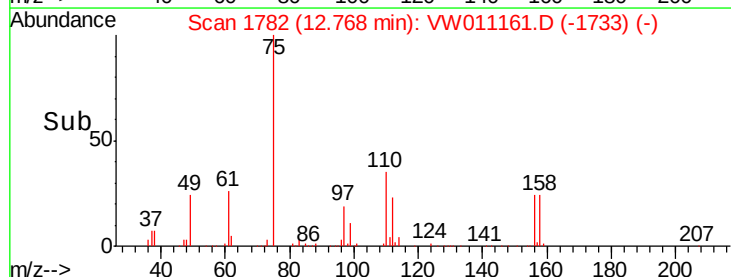
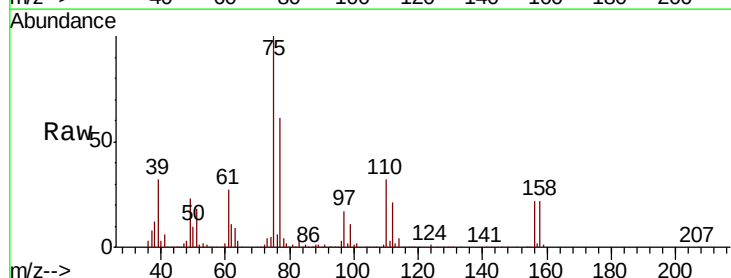
Acq: 08 Jul 2019 13:30

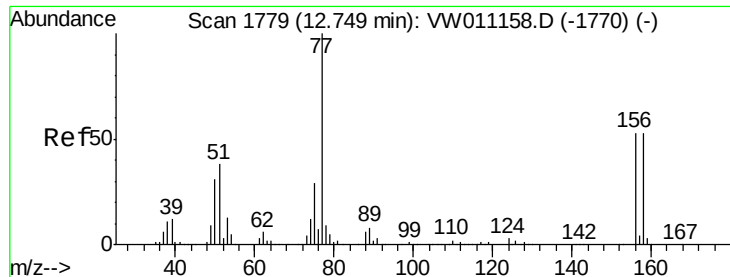
Tgt Ion: 75 Resp: 169940

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.278 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampled :

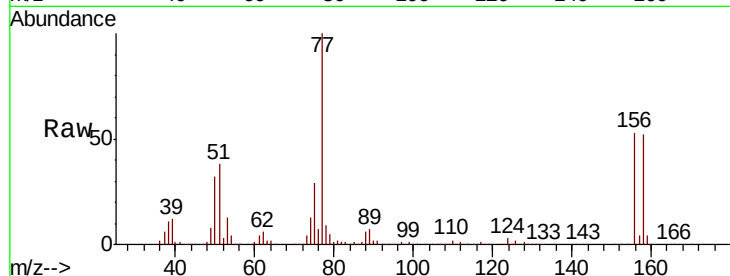
Tot Ion:156 Resp: 141197

Ion Ratio Lower Upper

156 100

77 216.4 109.0 327.0

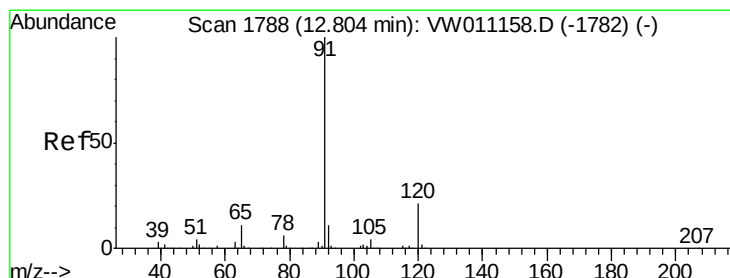
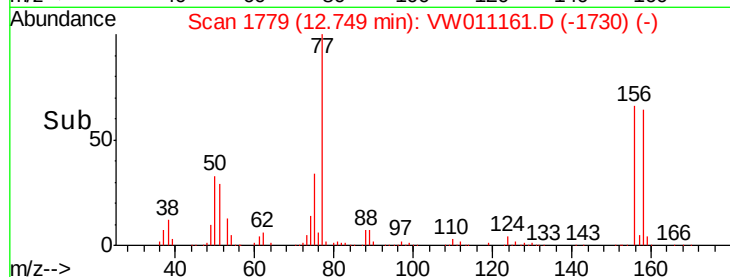
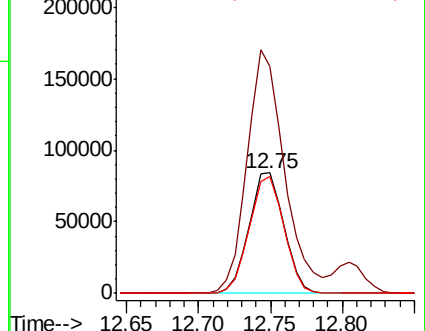
158 96.4 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.675 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011161.D

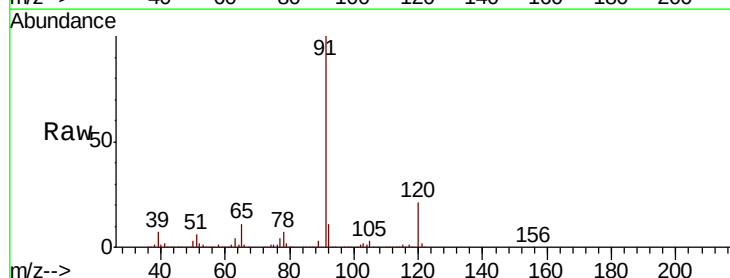
Acq: 08 Jul 2019 13:30

Tgt Ion: 91 Resp: 811996

Ion Ratio Lower Upper

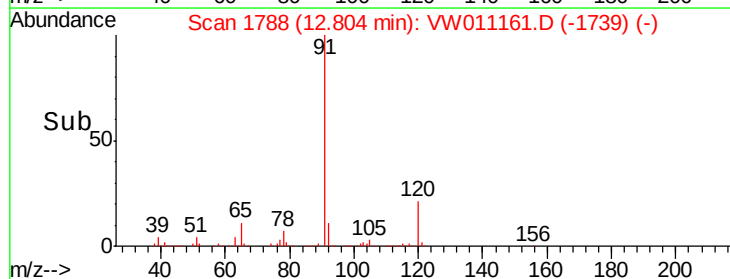
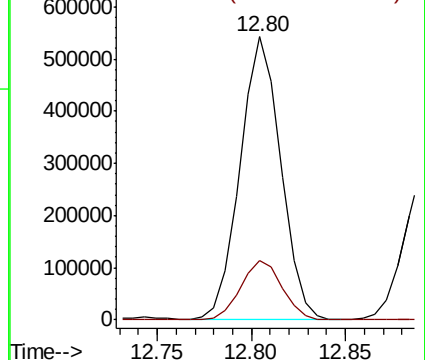
91 100

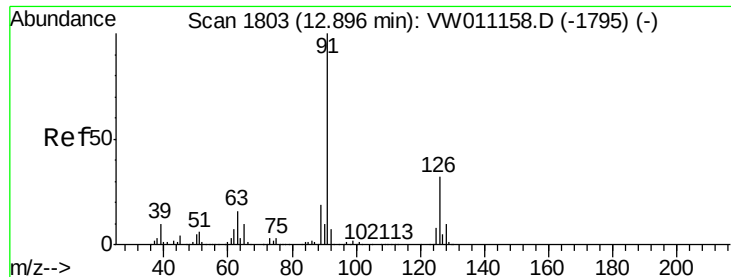
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.251 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

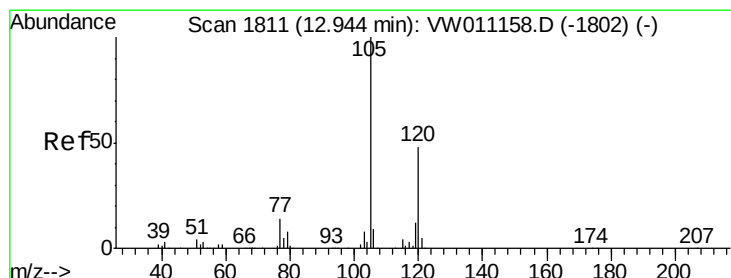
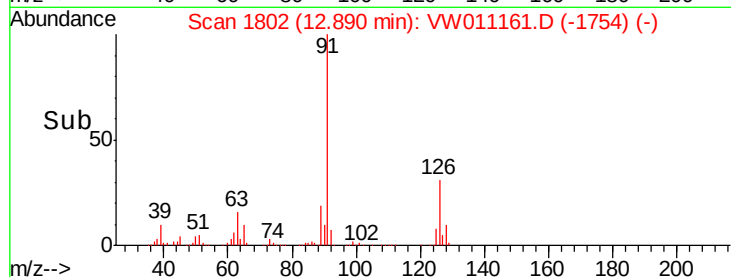
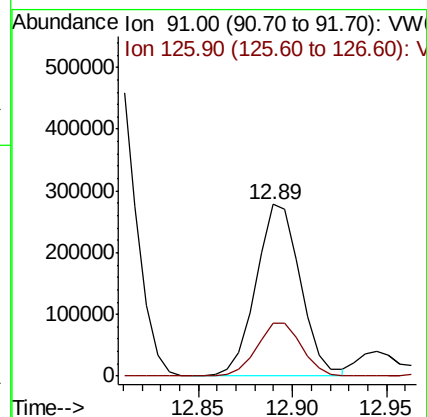
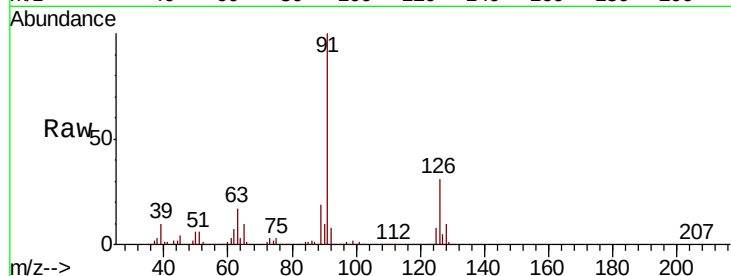
ClientSampleId :

Tot Ion: 91 Resp: 454628

Ion Ratio Lower Upper

91 100

126 31.1 15.8 47.3



#80

1,3,5-Trimethylbenzene

Concen: 51.960 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011161.D

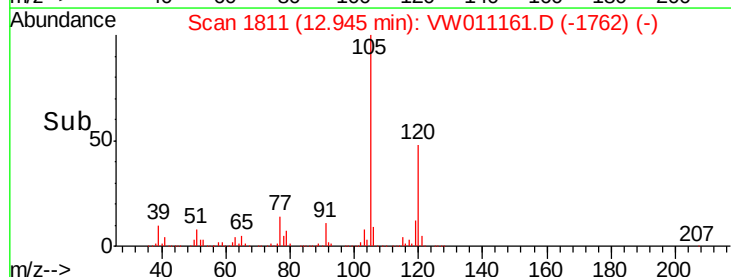
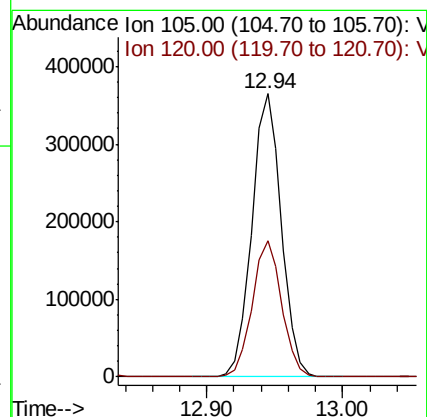
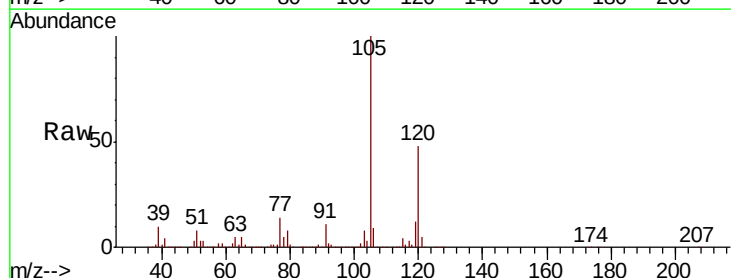
Acq: 08 Jul 2019 13:30

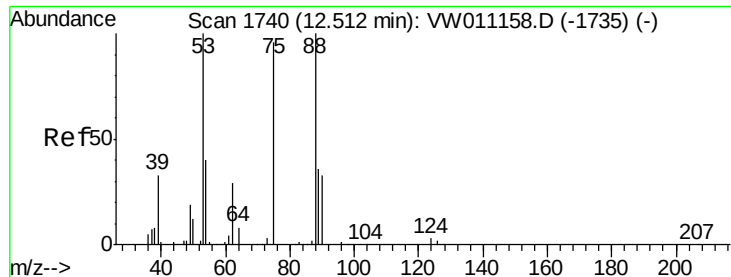
Tgt Ion: 105 Resp: 552386

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2

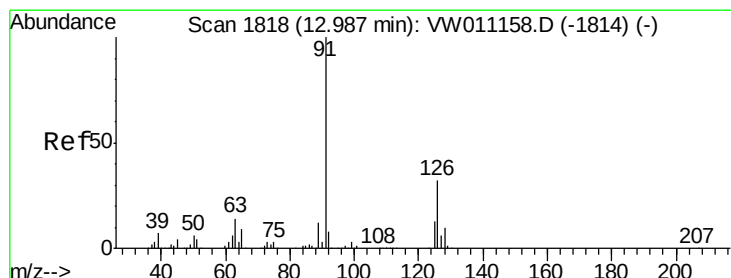
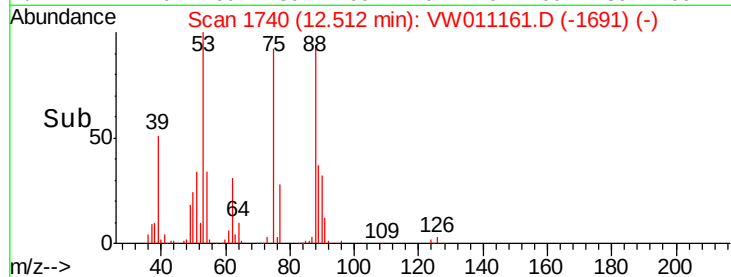
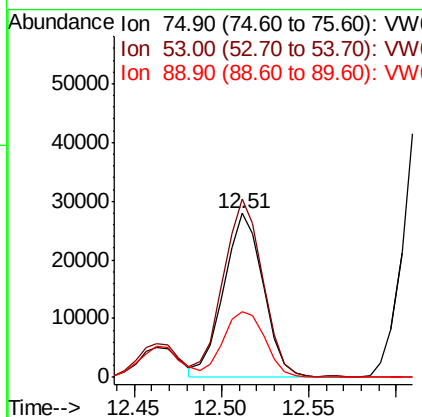
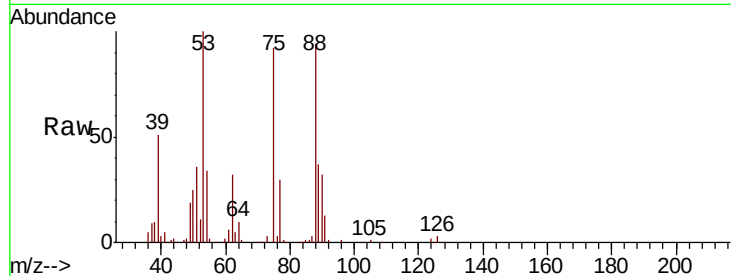




#81
trans-1,4-Dichloro-2-butene
Concen: 51.009 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

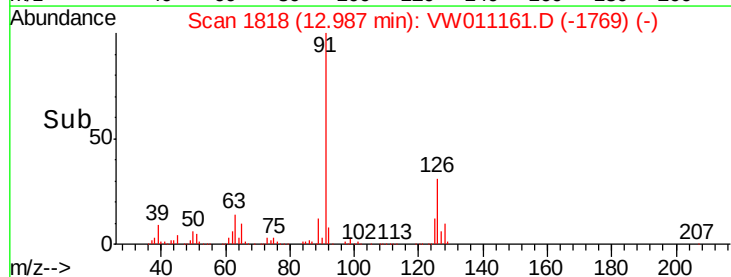
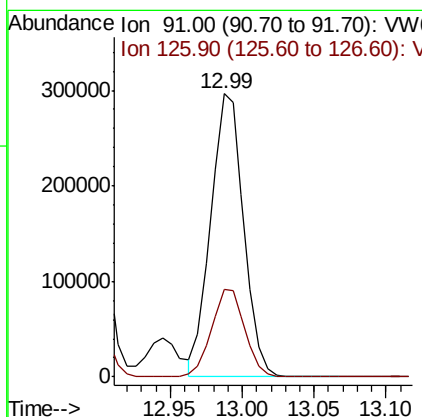
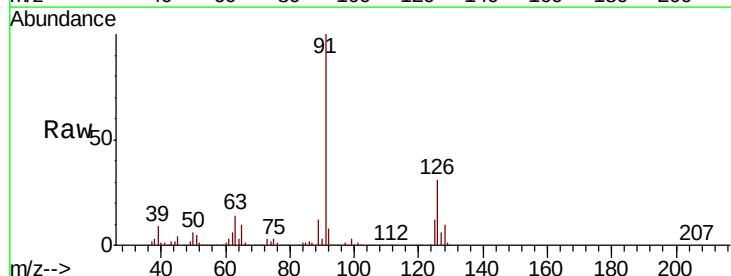
Instrument :
MSVOA_W
ClientSampled :

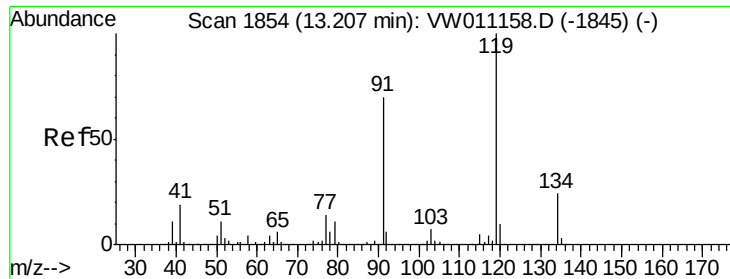
Tot Ion: 75 Resp: 43628
Ion Ratio Lower Upper
75 100
53 109.2 89.8 134.6
89 42.8 34.3 51.5



#82
4-Chlorotoluene
Concen: 50.974 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 91 Resp: 470961
Ion Ratio Lower Upper
91 100
126 31.5 15.7 47.1

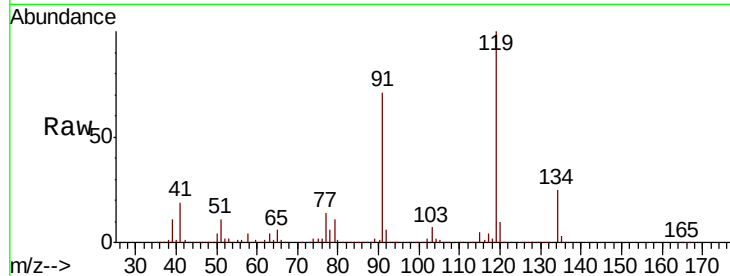




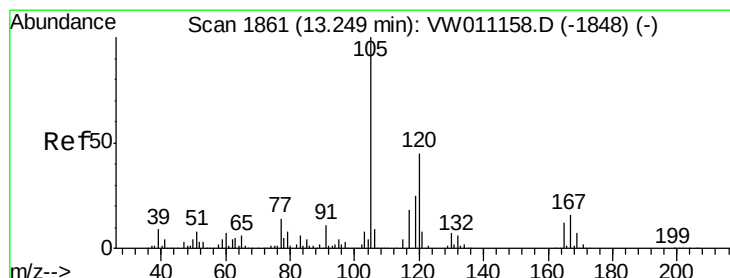
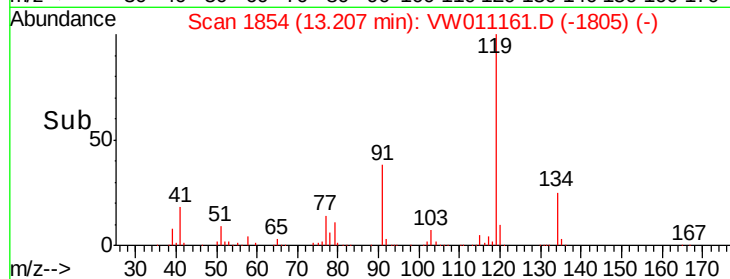
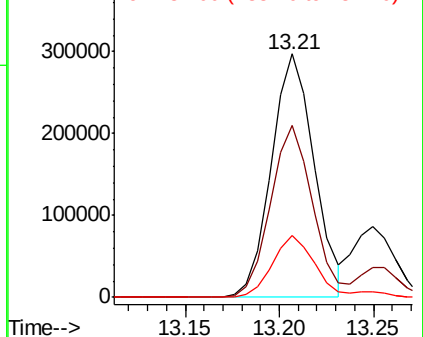
#83
 tert-Butylbenzene
 Concen: 52.872 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:119 Resp: 468776
 Ion Ratio Lower Upper
 119 100
 91 69.8 35.4 106.3
 134 26.6 13.4 40.2

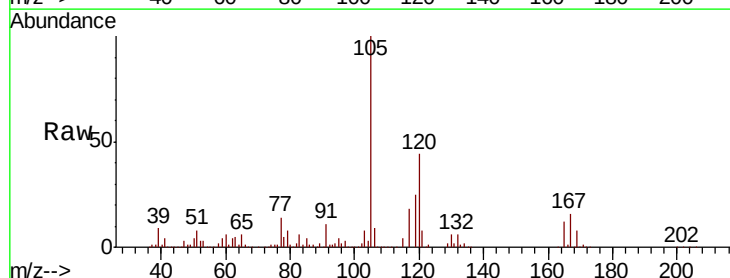


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

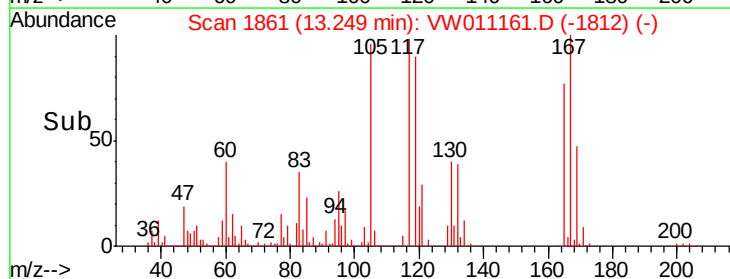
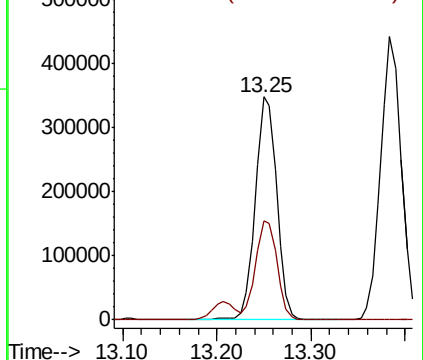


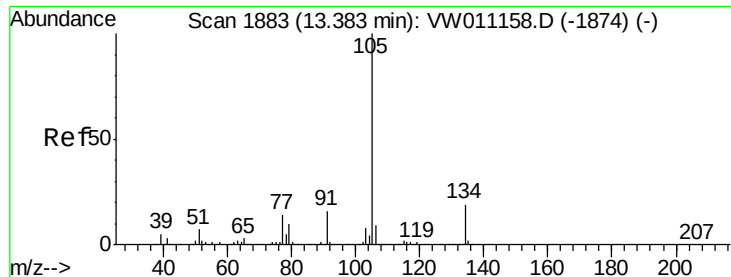
#84
 1,2,4-Trimethylbenzene
 Concen: 51.795 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion:105 Resp: 552902
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.744 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

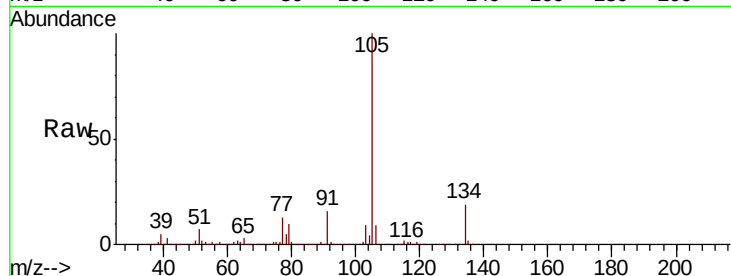
ClientSampleId :

Tot Ion:105 Resp: 674780

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

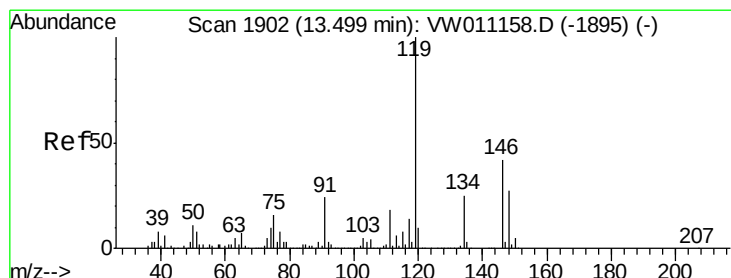
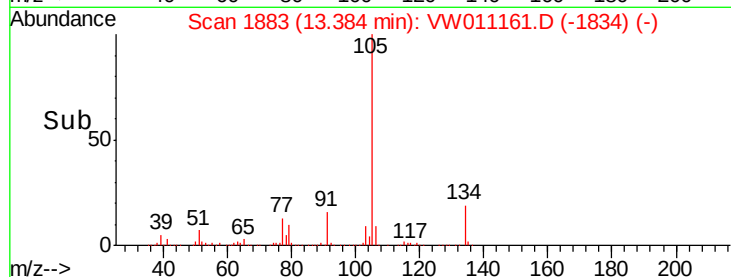
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.834 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

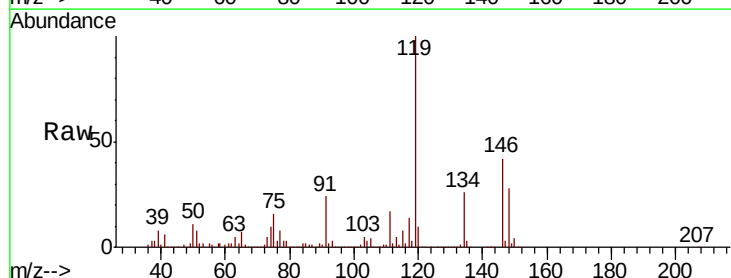
Tgt Ion:119 Resp: 606255

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.4 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

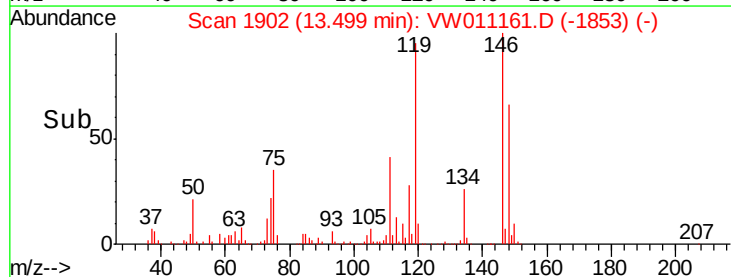
300000

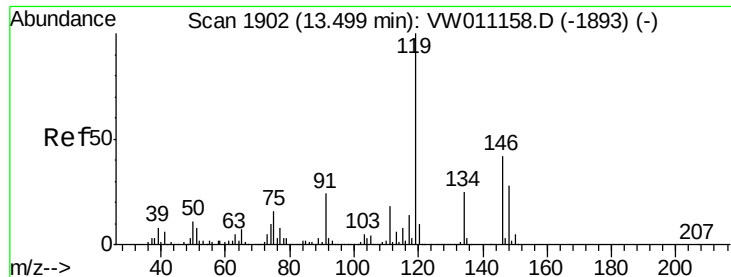
200000

100000

0

Time-->

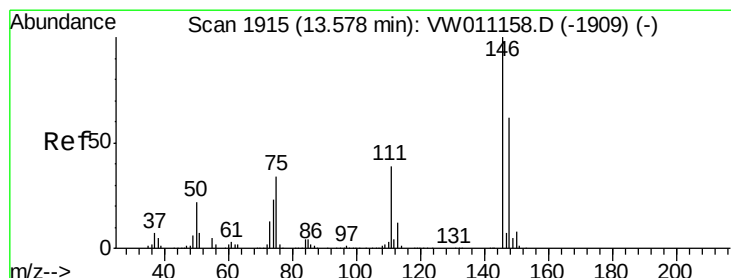
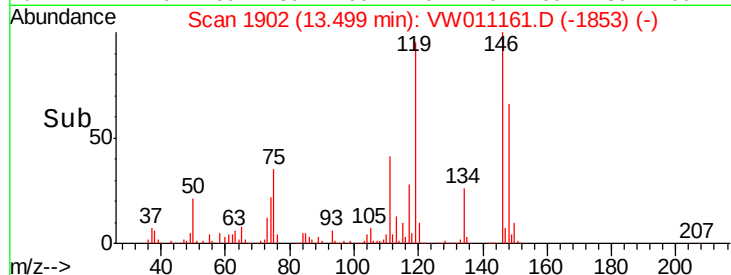
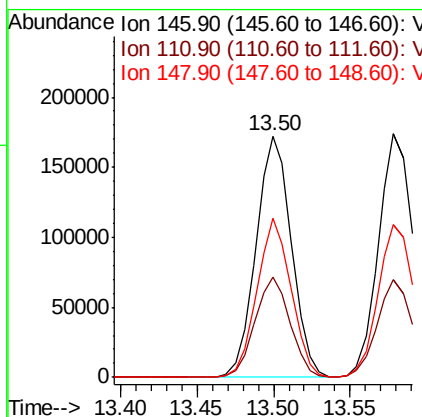
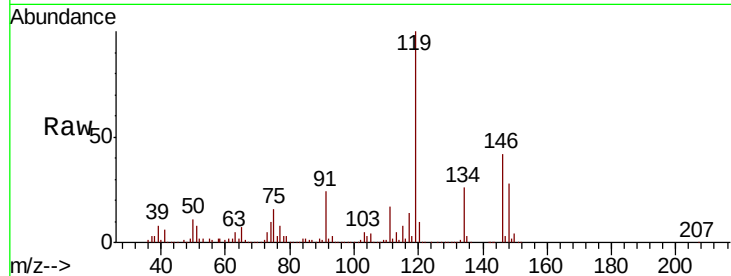




#87
 1,3-Dichlorobenzene
 Concen: 51.231 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

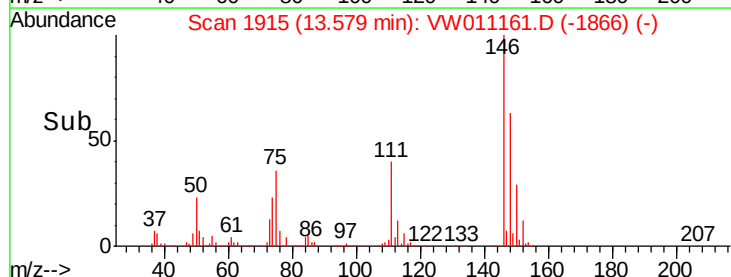
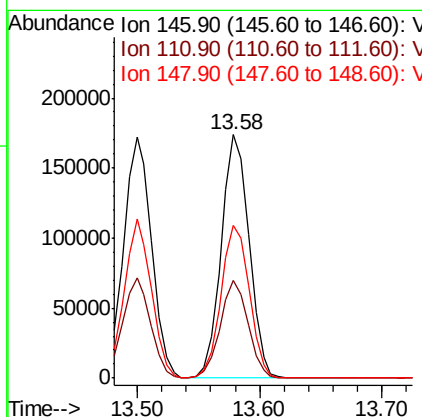
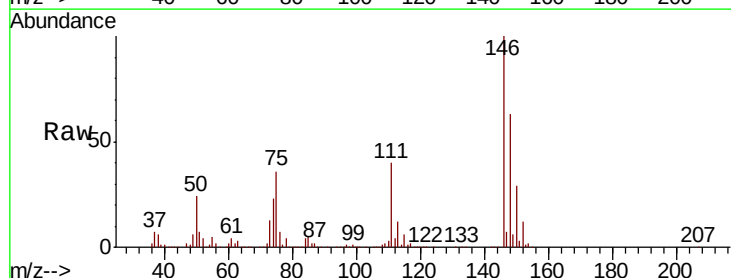
Instrument :
 MSVOA_W
 ClientSampled :

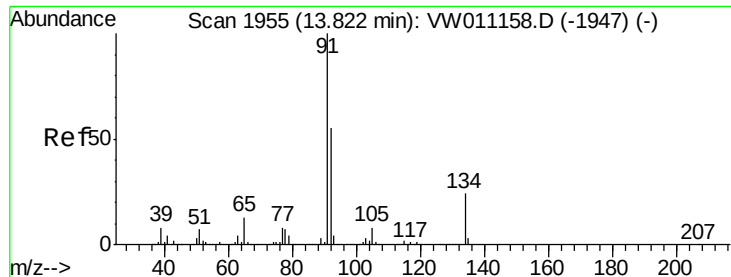
Tot Ion:146 Resp: 276809
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.1
 148 64.0 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 50.273 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion:146 Resp: 273529
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.9 59.7
 148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 53.499 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampled :

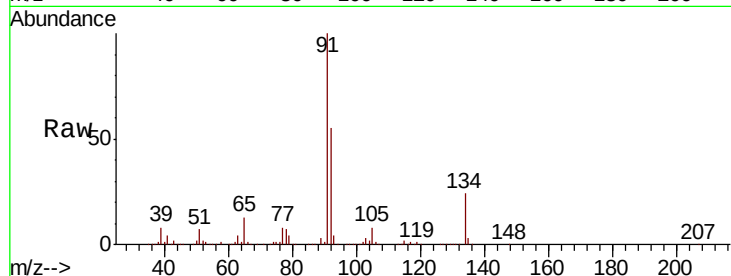
Tot Ion: 91 Resp: 612402

Ion Ratio Lower Upper

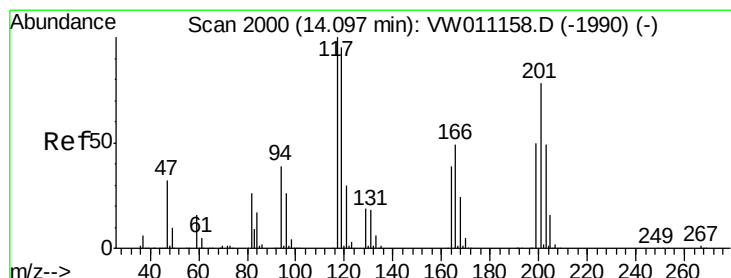
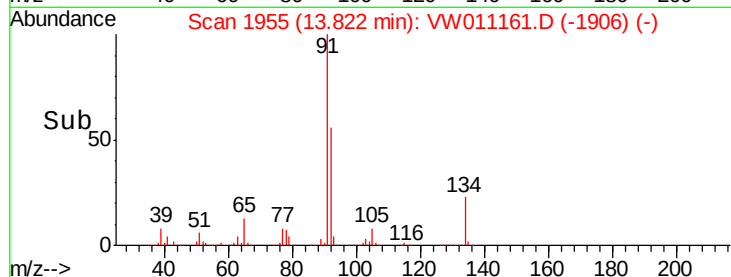
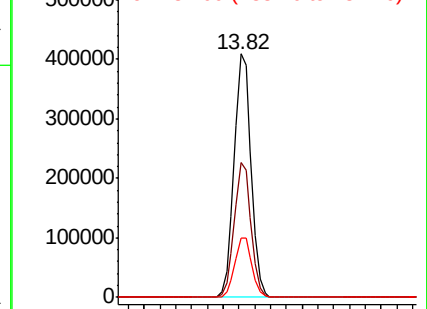
91 100

92 54.6 26.9 80.7

134 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.832 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011161.D

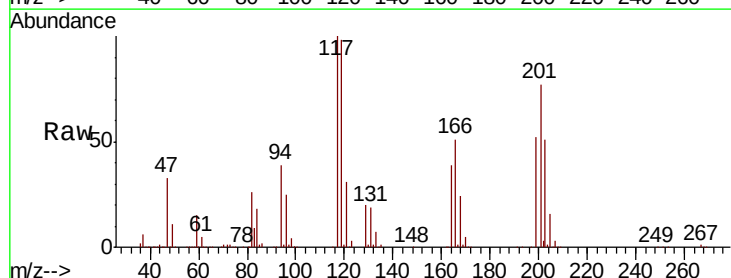
Acq: 08 Jul 2019 13:30

Tgt Ion: 117 Resp: 108684

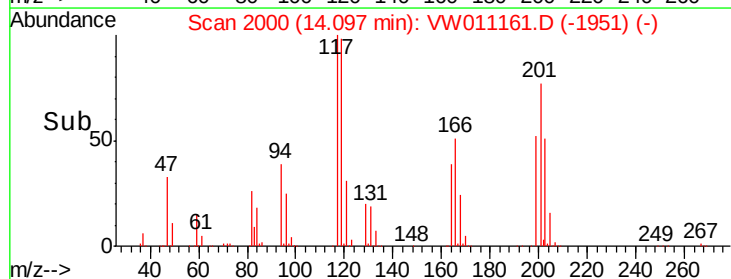
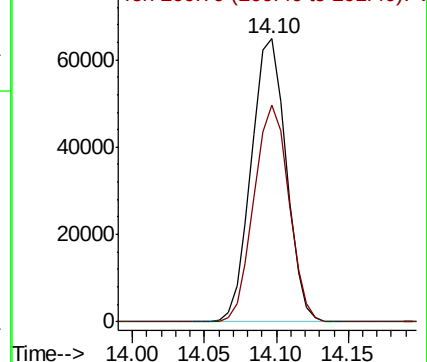
Ion Ratio Lower Upper

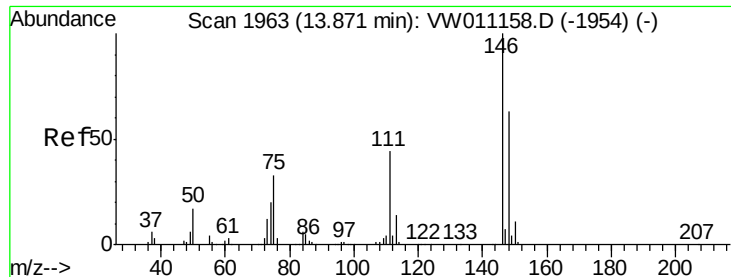
117 100

201 76.6 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.448 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

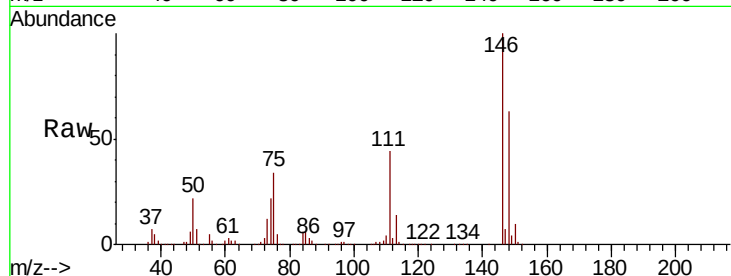
Tot Ion:146 Resp: 242386

Ion Ratio Lower Upper

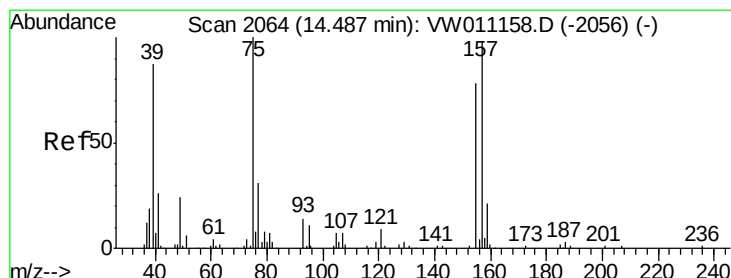
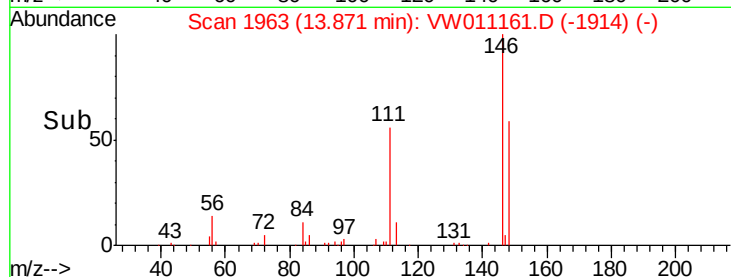
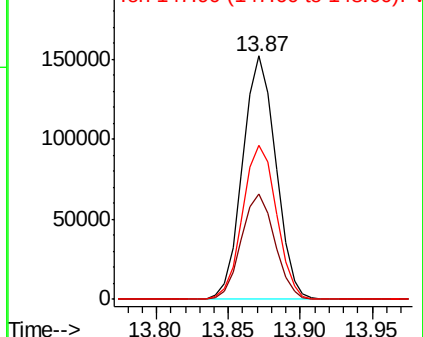
146 100

111 43.9 21.6 65.0

148 64.7 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.895 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

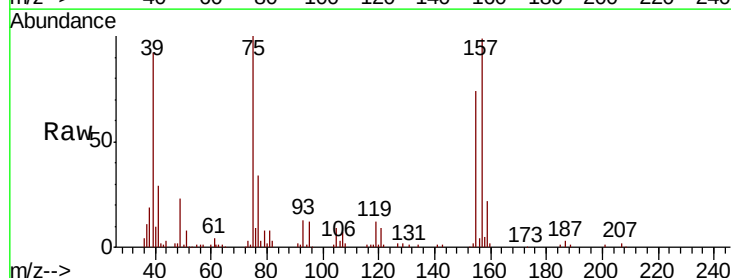
Tgt Ion: 75 Resp: 22247

Ion Ratio Lower Upper

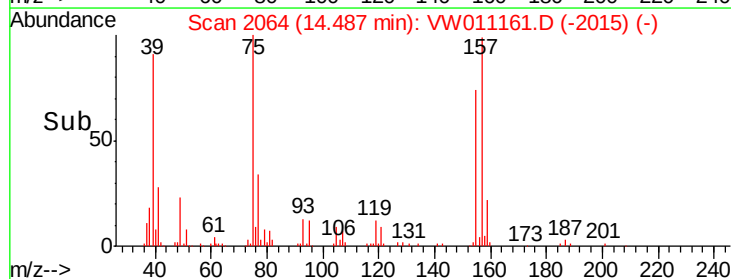
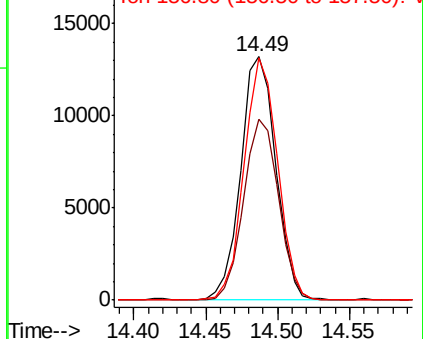
75 100

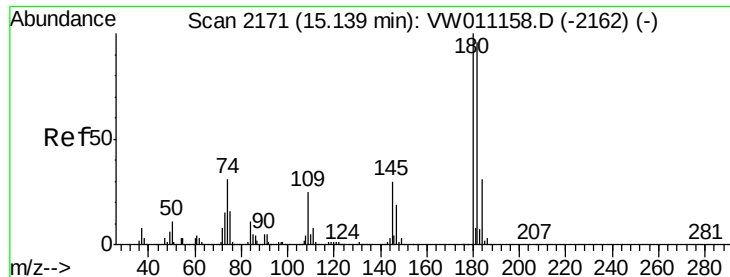
155 74.2 37.1 111.3

157 95.0 48.5 145.6



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

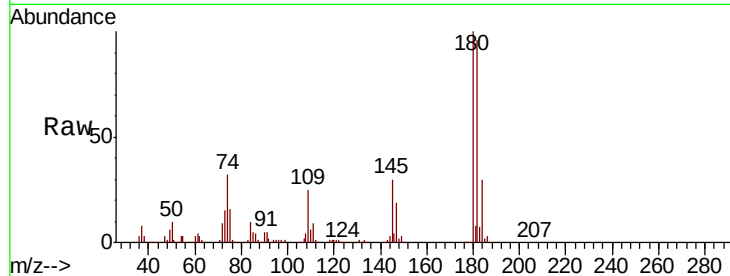




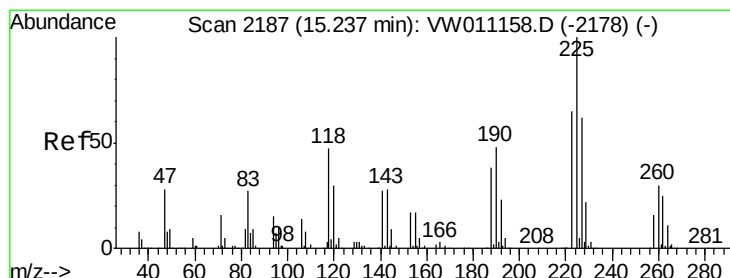
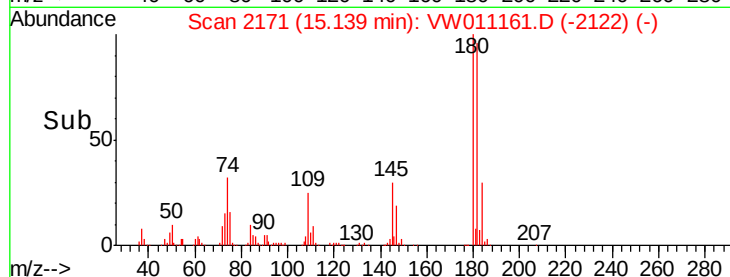
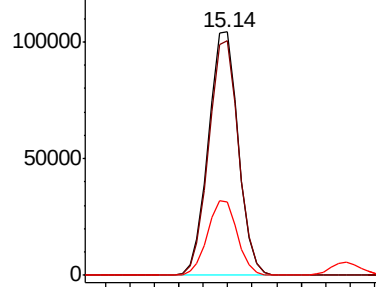
#93
 1,2,4-Trichlorobenzene
 Concen: 52.209 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.9
145	30.7	15.5	46.5

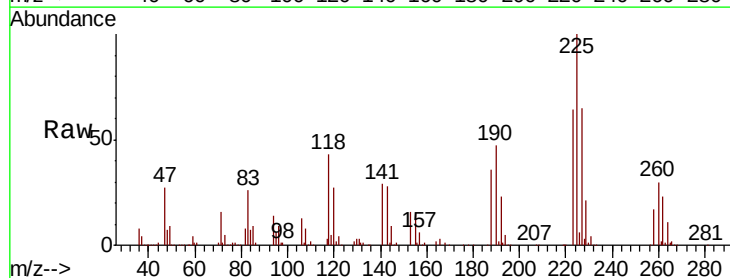


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

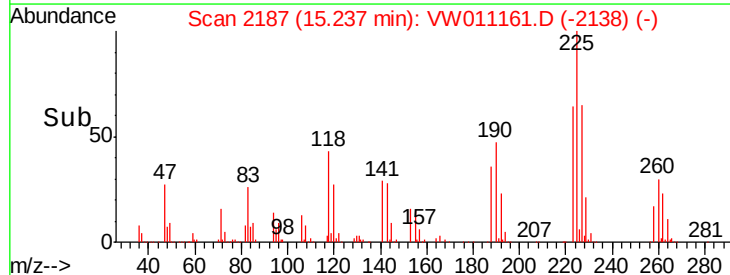
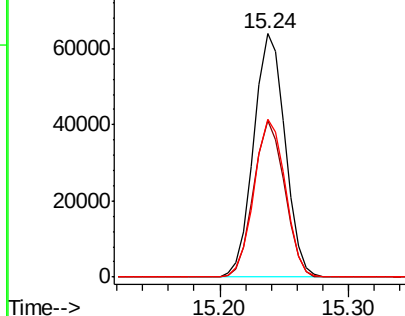


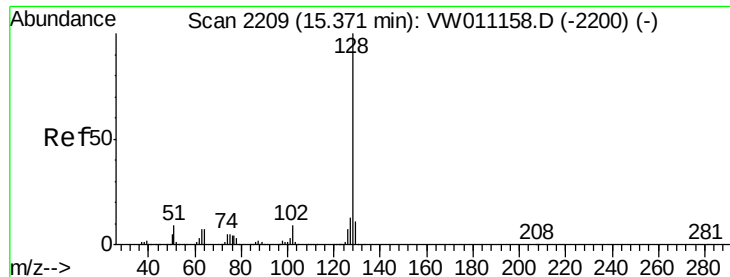
#94
 Hexachlorobutadiene
 Concen: 51.773 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.6	95.0
227	64.7	32.0	96.0



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





#95

Naphthalene

Concen: 53.217 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampled :

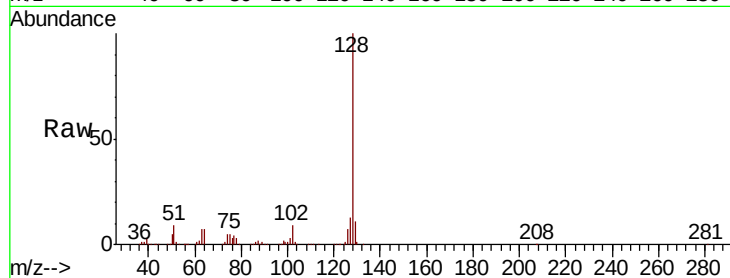
Tot Ion:128 Resp: 344303

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.8 8.7 13.1

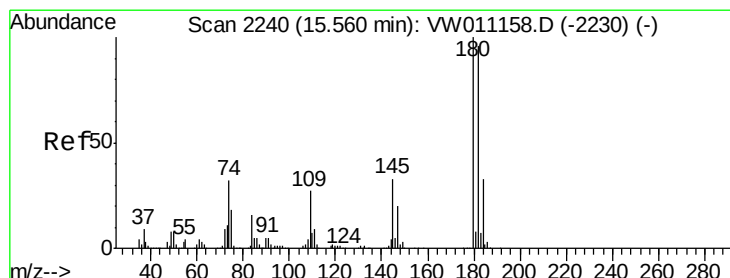
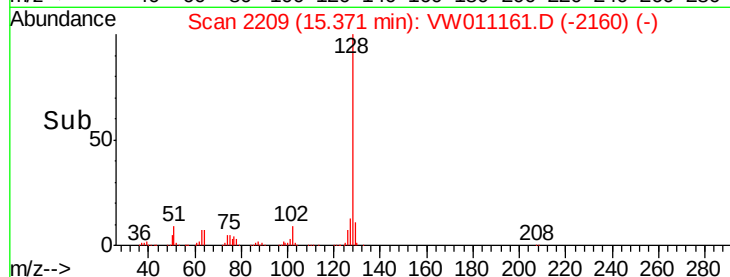
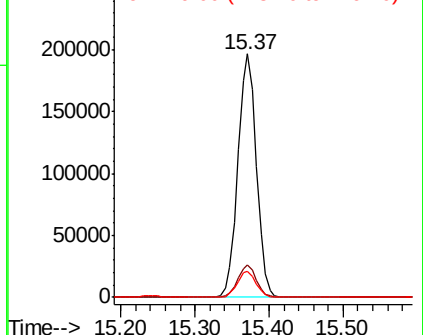


Abundance

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: 51.992 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

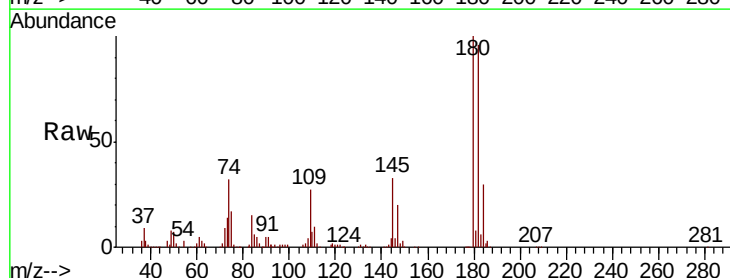
Tgt Ion:180 Resp: 154923

Ion Ratio Lower Upper

180 100

182 94.9 47.6 142.8

145 32.5 16.5 49.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

