

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
 Data File : VW011932.D
 Acq On : 15 Aug 2019 17:00
 Operator : SY/VA
 Sample : VW0816SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 15 17:30:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	129834	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	7.88	113	105602	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
50) Toluene-d8	10.32	98	424713	55.47	ug/l	0.00
Spiked Amount			Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.62	95	150678	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27378	23.781	ug/l	97
3) Chloromethane	2.21	50	41630	20.854	ug/l	100
4) Vinyl Chloride	2.36	62	51556	21.452	ug/l	99
5) Bromomethane	2.76	94	24391	18.335	ug/l	92
6) Chloroethane	2.91	64	27452	19.996	ug/l	100
7) Trichlorofluoromethane	3.24	101	25119	23.386	ug/l	99
8) Diethyl Ether	3.68	74	25201	20.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44906	22.039	ug/l	98
10) Methyl Iodide	4.27	142	58589	20.347	ug/l	99
11) Tert butyl alcohol	5.18	59	14617	70.713	ug/l	97
12) 1,1-Dichloroethene	4.04	96	43084	20.027	ug/l	95
13) Acrolein	3.90	56	10879	63.920	ug/l	97
14) Allyl chloride	4.67	41	95897	20.958	ug/l	99
15) Acrylonitrile	5.37	53	60833	100.066	ug/l	98
16) Acetone	4.12	43	58972	78.158	ug/l	98
17) Carbon Disulfide	4.38	76	131992	19.603	ug/l	100
18) Methyl Acetate	4.67	43	33909	20.005	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	69982	20.499	ug/l	100
20) Methylene Chloride	4.91	84	55685	21.399	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49278	21.246	ug/l	97
22) Diisopropyl ether	6.31	45	183079	21.222	ug/l	99
23) Vinyl Acetate	6.26	43	545198	100.577	ug/l	99
24) 1,1-Dichloroethane	6.21	63	99478	21.531	ug/l	99
25) 2-Butanone	7.17	43	87035	88.153	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54359	19.131	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	53607	21.000	ug/l	98
28) Bromochloromethane	7.51	49	46373	22.613	ug/l	99
29) Tetrahydrofuran	7.53	42	55878	99.011	ug/l	100
30) Chloroform	7.68	83	92217	21.634	ug/l	99
31) Cyclohexane	7.95	56	93130	20.999	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	70992	21.869	ug/l	99
36) 1,1-Dichloropropene	8.09	75	74620	21.529	ug/l	99
37) Ethyl Acetate	7.25	43	38669	19.391	ug/l	98
38) Carbon Tetrachloride	8.07	117	64984	21.901	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81691	21.404	ug/l	98
40) Benzene	8.32	78	208736	21.500	ug/l	99
41) Methacrylonitrile	7.48	41	24847	20.844	ug/l	95
42) 1,2-Dichloroethane	8.40	62	66062	21.733	ug/l	99
43) Isopropyl Acetate	8.43	43	72266	19.705	ug/l	100
44) Trichloroethene	9.09	130	50202	21.514	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56236	21.648	ug/l	99
46) Dibromomethane	9.46	93	24872	20.977	ug/l	99
47) Bromodichloromethane	9.65	83	66053	21.238	ug/l	99
48) Methyl methacrylate	9.44	41	34947	19.837	ug/l	99
49) 1,4-Dioxane	9.45	88	6708	390.738	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	186380	97.705	ug/l	99
52) Toluene	10.39	92	126572	21.588	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65464	20.150	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	78637	20.357	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	35506	21.106	ug/l	98
56) Ethyl methacrylate	10.65	69	48256	19.603	ug/l	97
57) 1,3-Dichloropropane	10.93	76	66683	20.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	129344	115.723	ug/l	99
59) 2-Hexanone	10.97	43	129136	95.878	ug/l	99
60) Dibromochloromethane	11.13	129	38199	20.456	ug/l	100
61) 1,2-Dibromoethane	11.24	107	32601	20.478	ug/l	99
64) Tetrachloroethene	10.86	164	41382	21.721	ug/l	97
65) Chlorobenzene	11.66	112	125419	21.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43430	21.195	ug/l	100
67) Ethyl Benzene	11.73	91	240847	21.497	ug/l	99
68) m/p-Xylenes	11.84	106	175683	43.118	ug/l	100
69) o-Xylene	12.16	106	80266	21.200	ug/l	97
70) Styrene	12.18	104	141028	21.543	ug/l	99
71) Bromoform	12.35	173	20728	19.840	ug/l	# 97
73) Isopropylbenzene	12.46	105	224528	21.039	ug/l	99
74) N-amyl acetate	12.27	43	65878	19.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41073	20.461	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	53741	35.504	ug/l	# 100
77) Bromobenzene	12.75	156	49166	20.843	ug/l	99
78) n-propylbenzene	12.80	91	277059	21.332	ug/l	100
79) 2-Chlorotoluene	12.89	91	158363	21.165	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	191869	21.448	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12392	18.868	ug/l	94
82) 4-Chlorotoluene	12.99	91	166390	21.195	ug/l	100
83) tert-Butylbenzene	13.21	119	160066	21.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	193387	21.460	ug/l	98
85) sec-Butylbenzene	13.38	105	229714	21.520	ug/l	100
86) p-Isopropyltoluene	13.50	119	208359	21.514	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	97891	21.165	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96458	20.965	ug/l	98
89) n-Butylbenzene	13.82	91	205777	21.291	ug/l	99
90) Hexachloroethane	14.09	117	36321	21.209	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	86276	21.091	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6960	20.332	ug/l	94

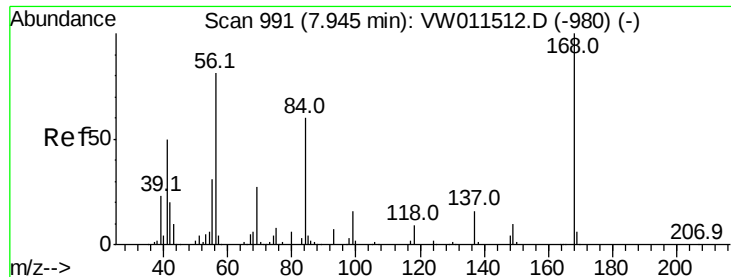
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59612	20.677	ug/l	99
94) Hexachlorobutadiene	15.24	225	39194	21.800	ug/l	99
95) Naphthalene	15.37	128	97644	18.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	50906	20.144	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

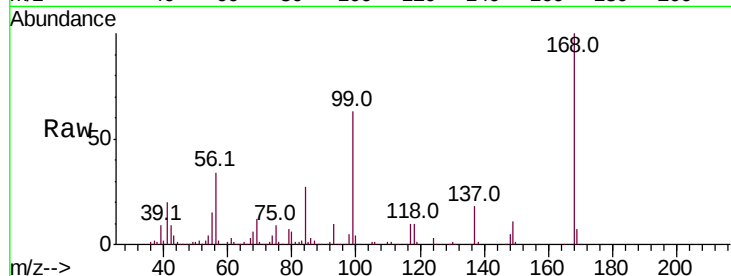
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 206570

Ion Ratio Lower Upper

168 100

99 63.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

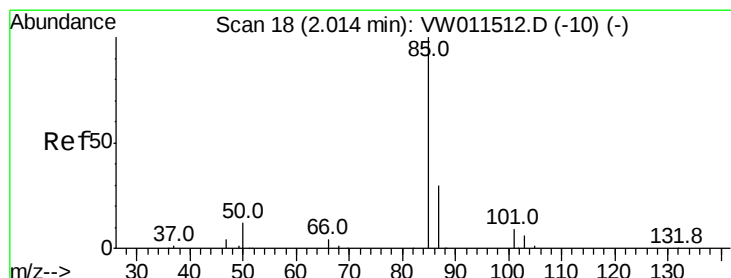
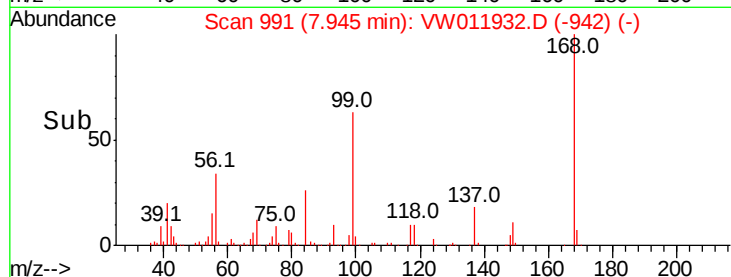
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.781 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011932.D

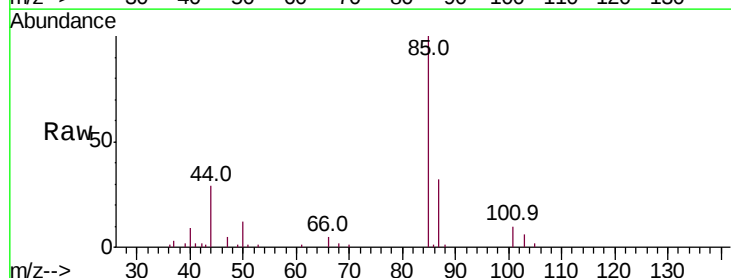
Acq: 15 Aug 2019 17:00

Tgt Ion: 85 Resp: 27378

Ion Ratio Lower Upper

85 100

87 32.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

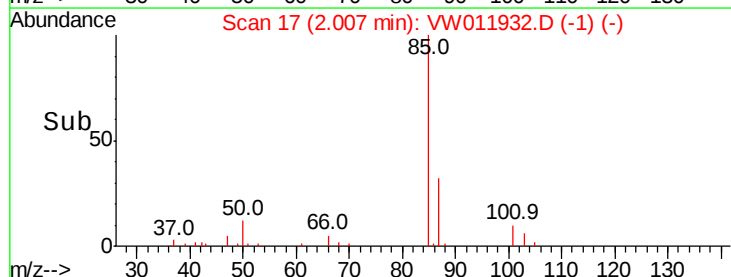
4000

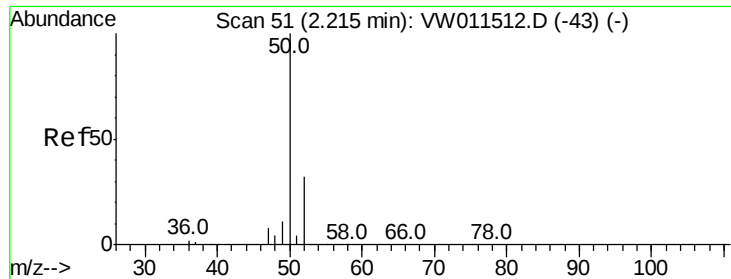
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.854 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

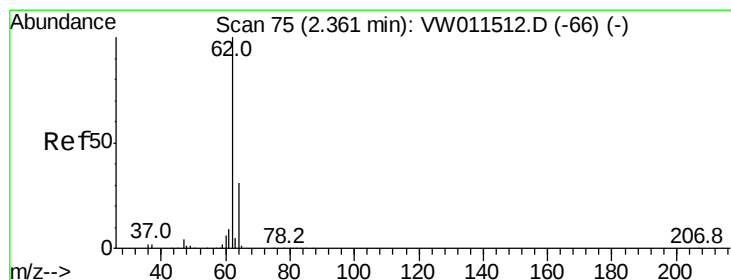
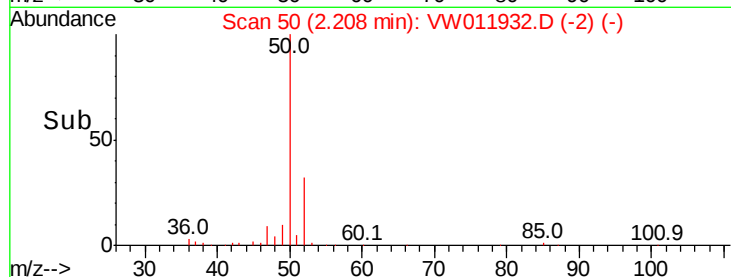
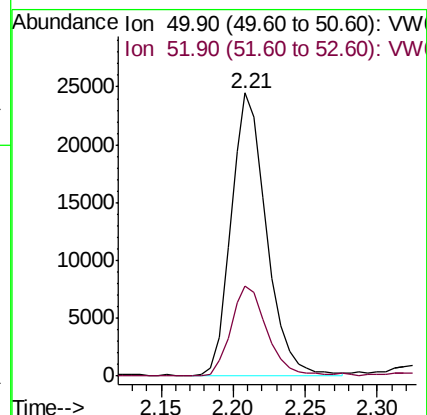
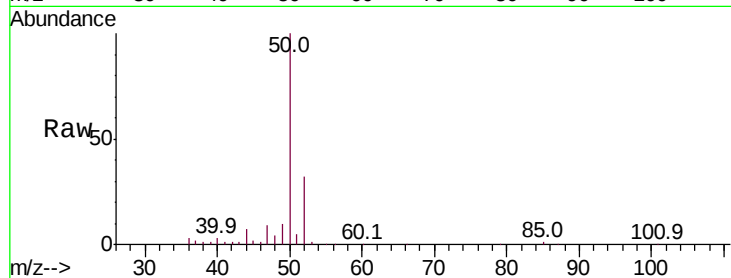
ClientSampled :

Tot Ion: 50 Resp: 41630

Ion Ratio Lower Upper

50 100

52 32.0 25.4 38.2



#4

Vinyl Chloride

Concen: 21.452 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011932.D

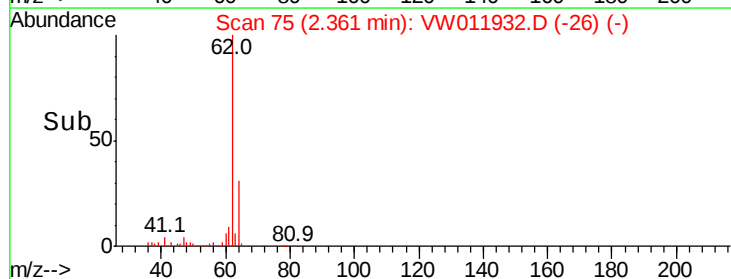
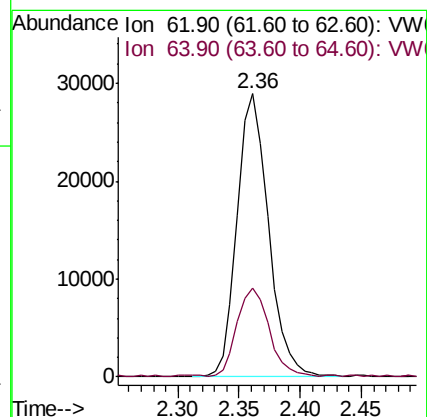
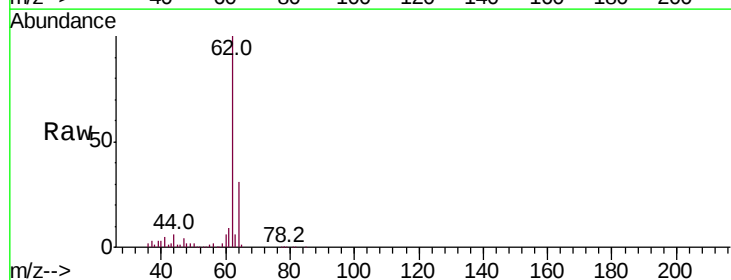
Acq: 15 Aug 2019 17:00

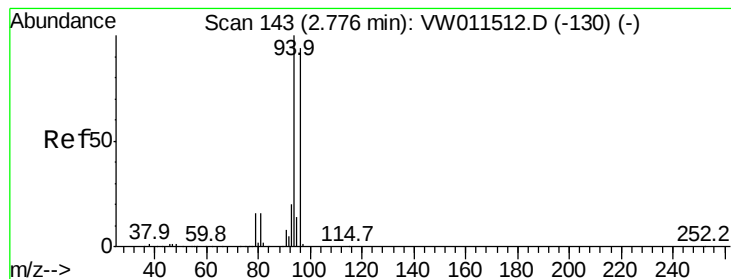
Tgt Ion: 62 Resp: 51556

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 18.335 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

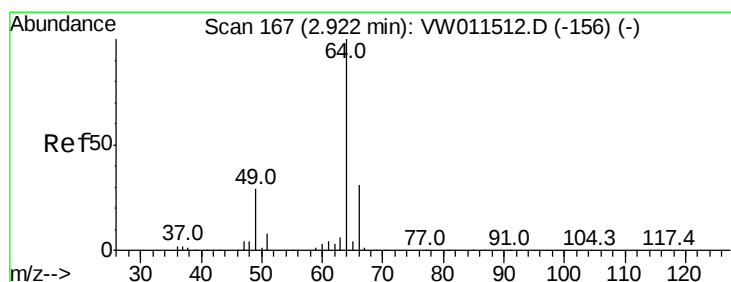
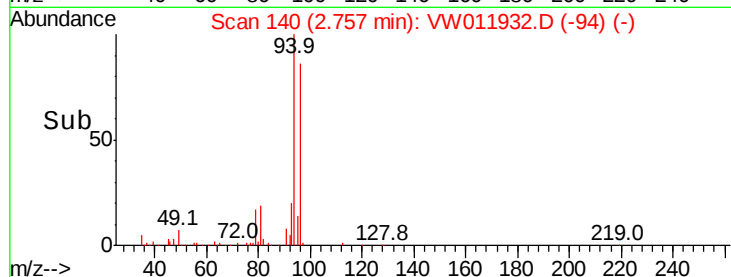
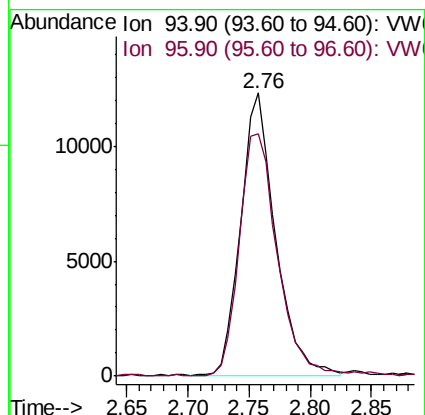
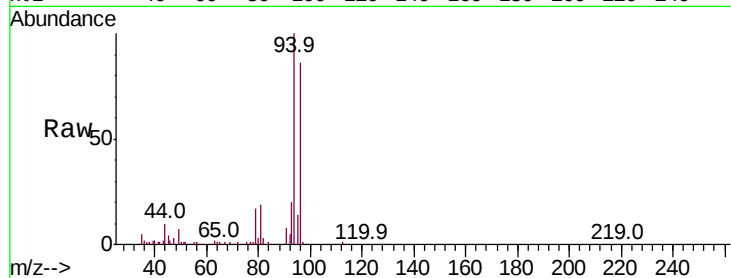
ClientSampleId :

Tot Ion: 94 Resp: 24391

Ion Ratio Lower Upper

94 100

96 85.9 75.0 112.6



#6

Chloroethane

Concen: 19.996 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011932.D

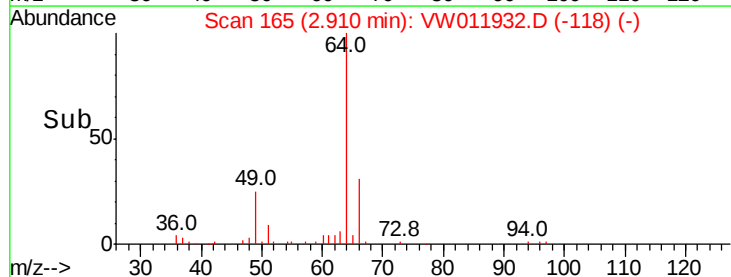
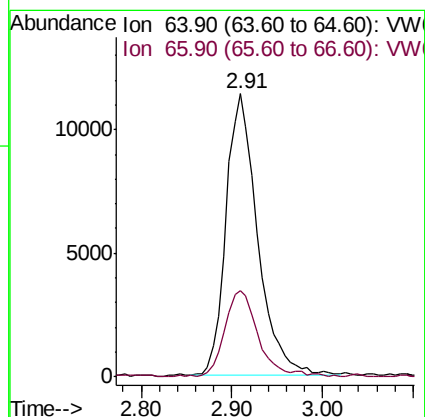
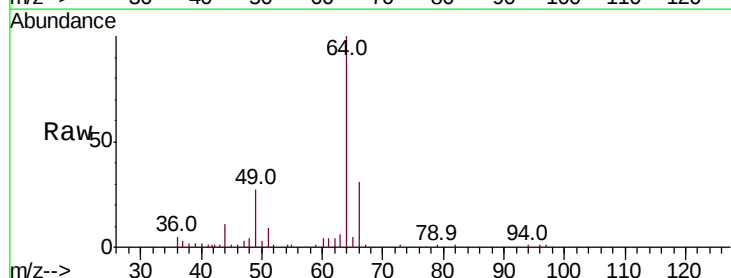
Acq: 15 Aug 2019 17:00

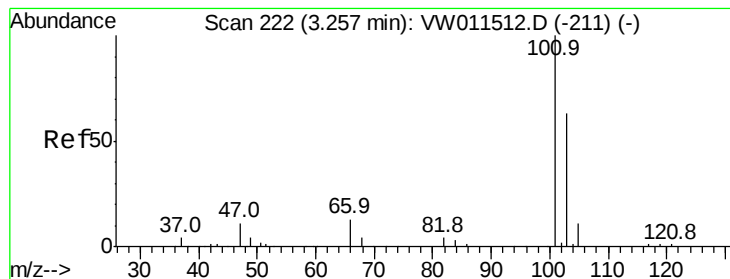
Tgt Ion: 64 Resp: 27452

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



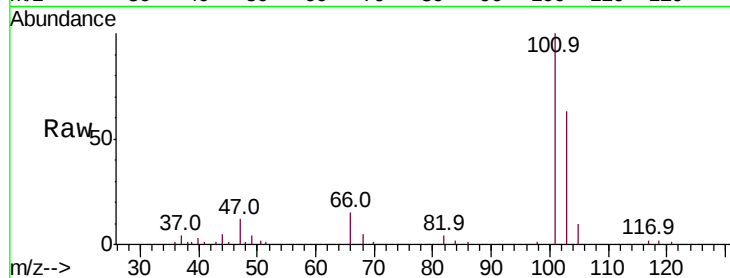


#7

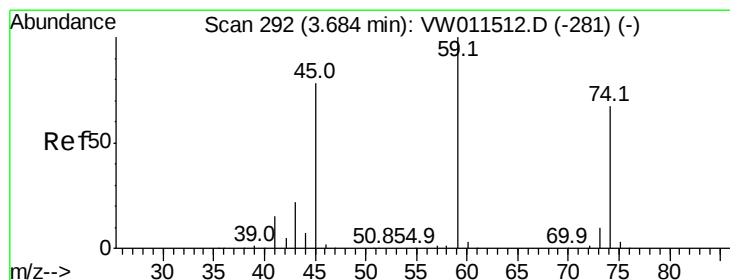
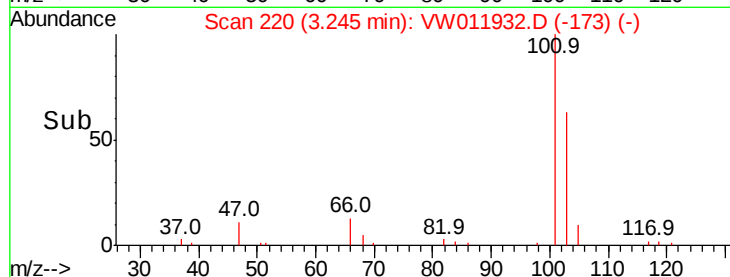
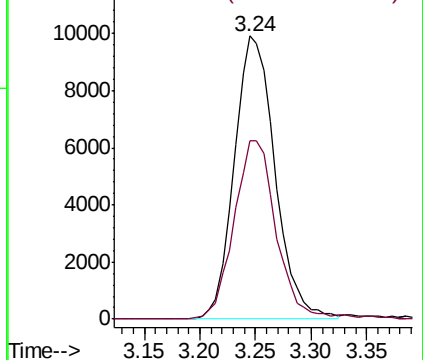
Trichlorofluoromethane
 Concen: 23.386 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:101 Resp: 25119
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.2 75.4



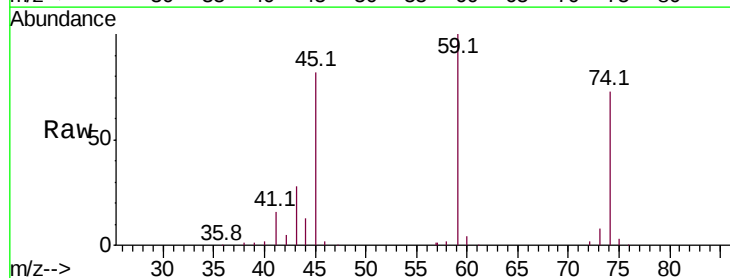
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



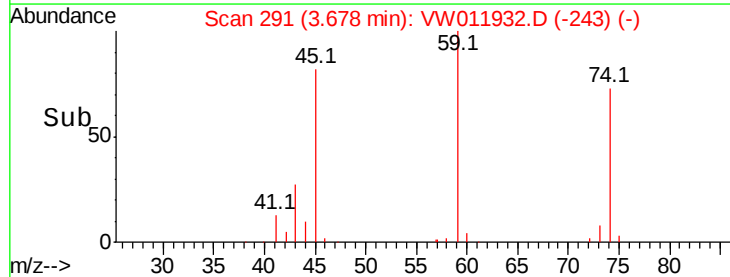
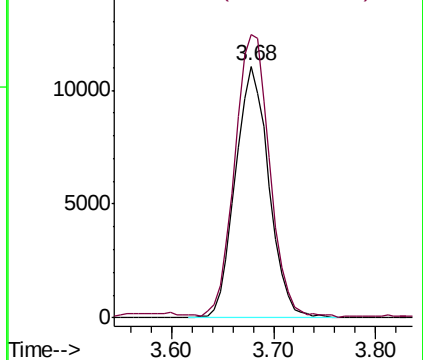
#8

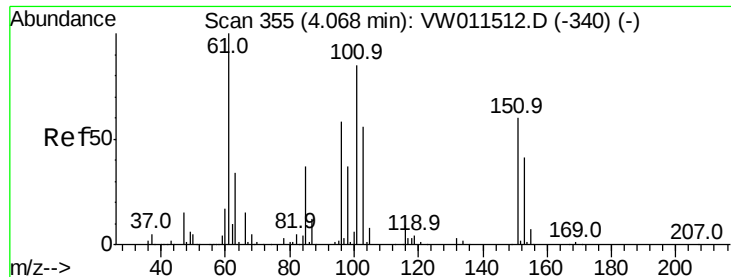
Diethyl Ether
 Concen: 20.693 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion: 74 Resp: 25201
 Ion Ratio Lower Upper
 74 100
 45 118.2 59.6 178.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.039 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

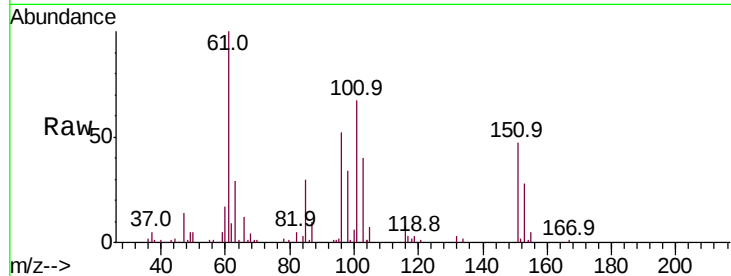
Tot Ion:101 Resp: 44906

Ion Ratio Lower Upper

101 100

85 45.0 36.6 54.8

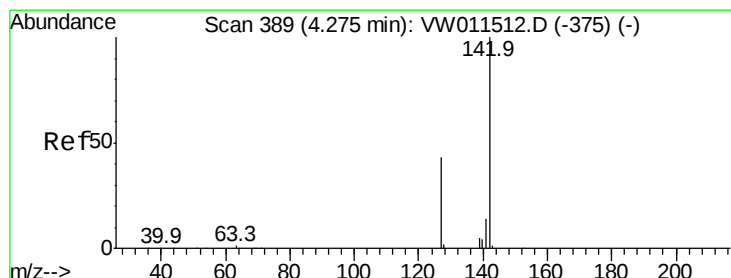
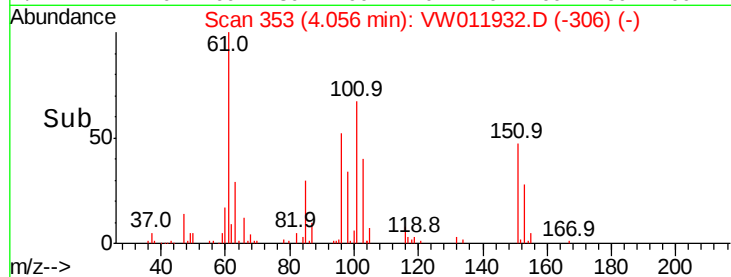
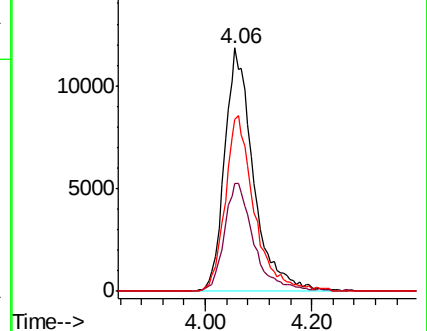
151 72.5 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.347 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

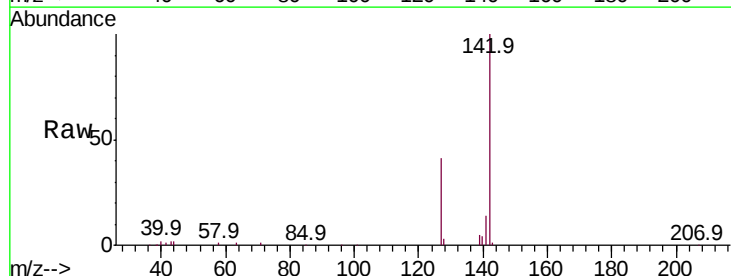
Tgt Ion:142 Resp: 58589

Ion Ratio Lower Upper

142 100

127 44.2 35.0 52.6

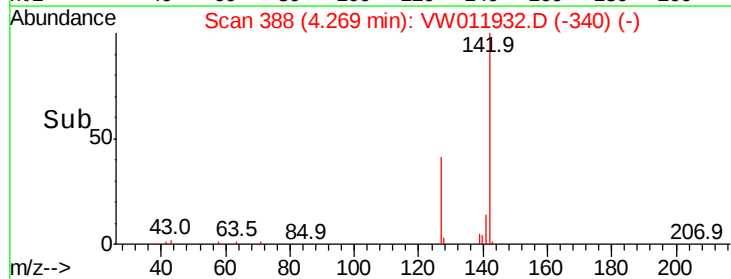
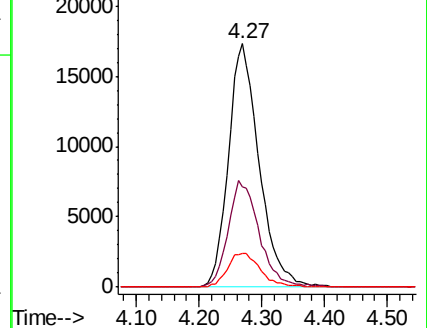
141 14.9 11.9 17.9

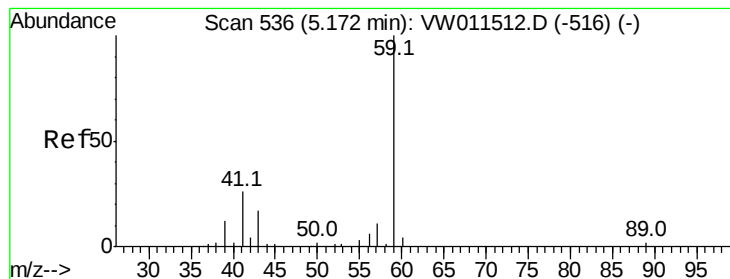


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



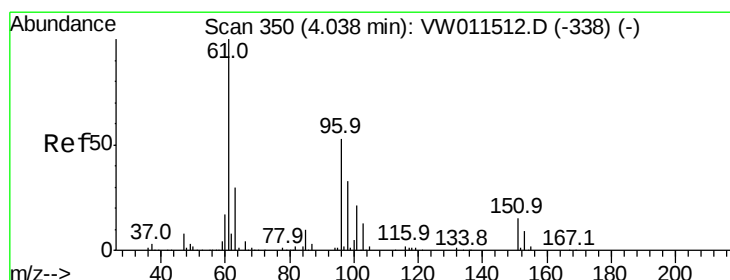
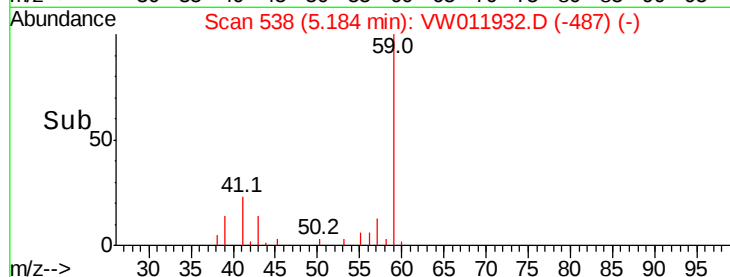
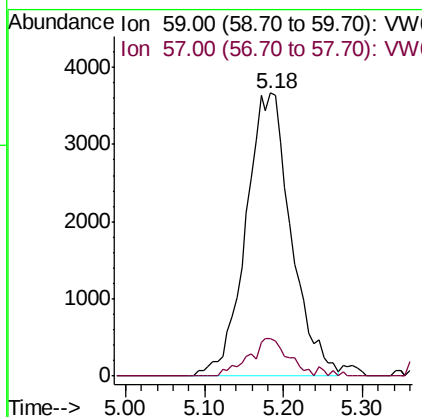
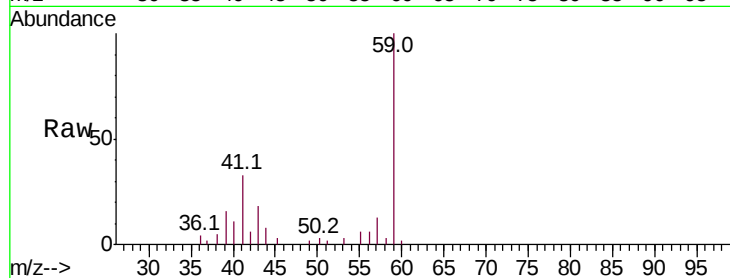


#11

Tert butyl alcohol
 Concen: 70.713 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :

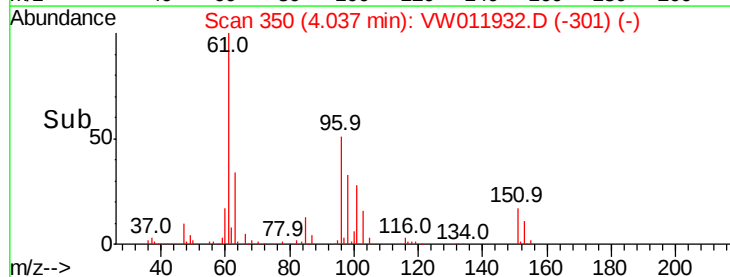
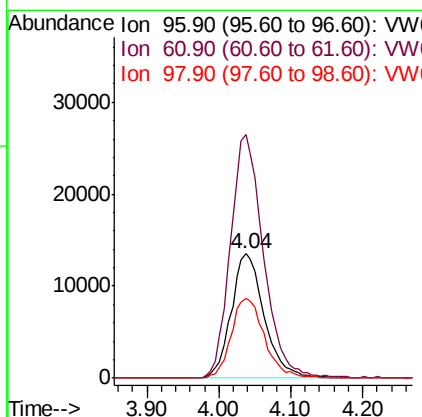
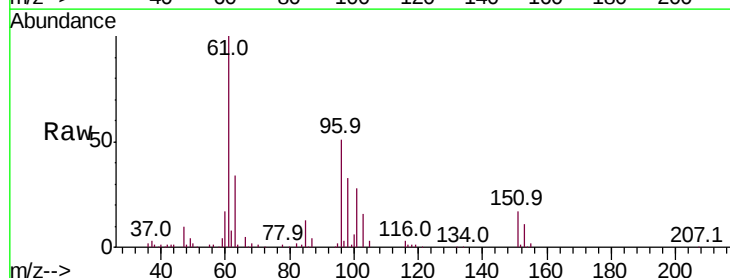
Tot Ion: 59 Resp: 14617
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.5 12.7

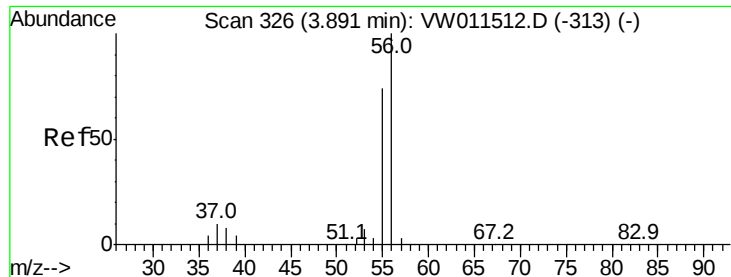


#12

1,1-Dichloroethene
 Concen: 20.027 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion: 96 Resp: 43084
 Ion Ratio Lower Upper
 96 100
 61 195.8 149.9 224.9
 98 64.0 49.1 73.7





#13

Acrolein

Concen: 63.920 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

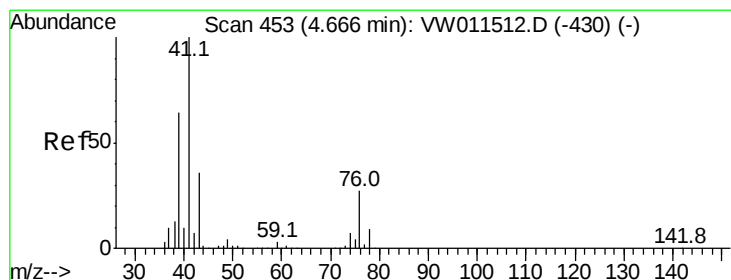
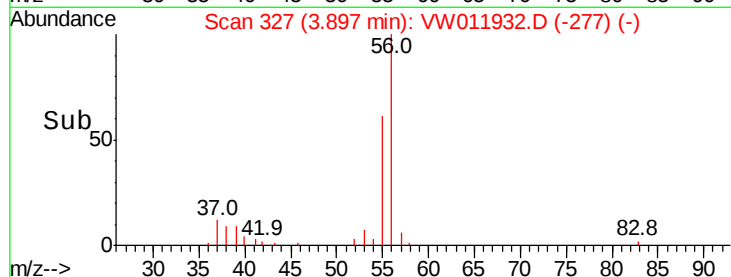
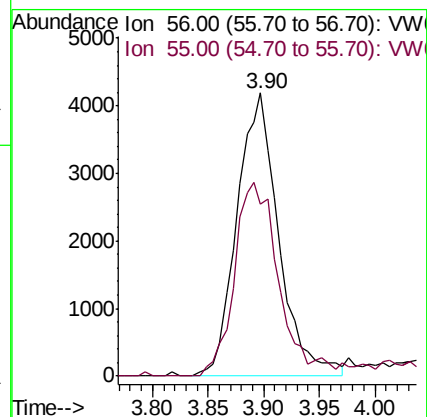
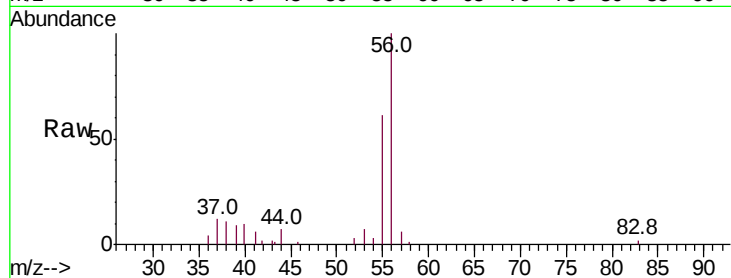
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 10879

Ion Ratio Lower Upper

56 100

55 72.5 56.0 84.0



#14

Allyl chloride

Concen: 20.958 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

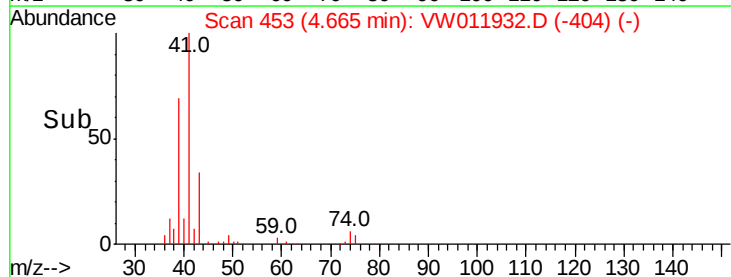
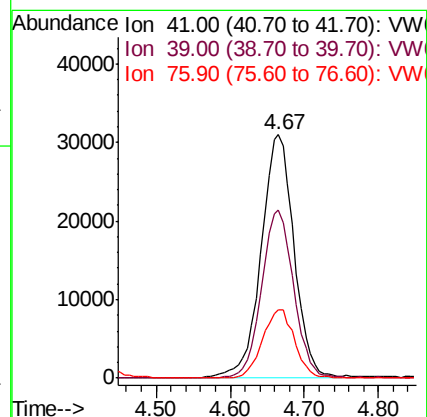
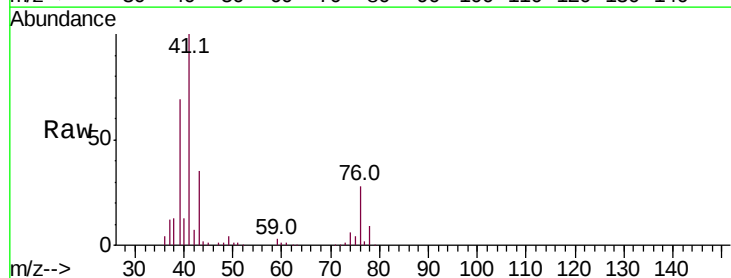
Tgt Ion: 41 Resp: 95897

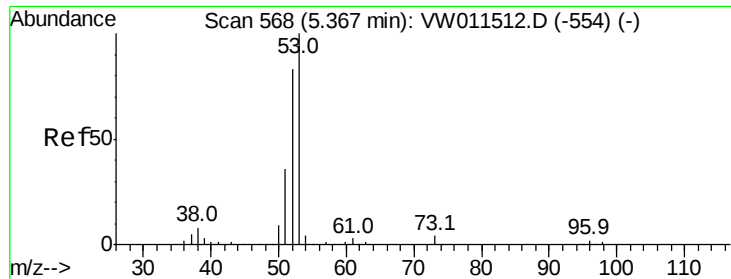
Ion Ratio Lower Upper

41 100

39 67.2 52.6 78.8

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 100.066 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

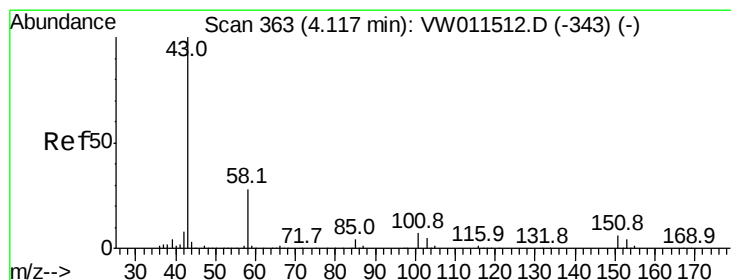
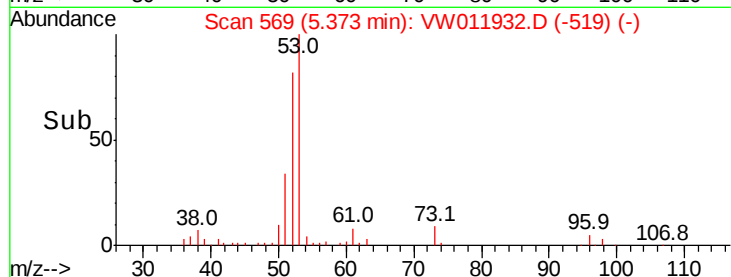
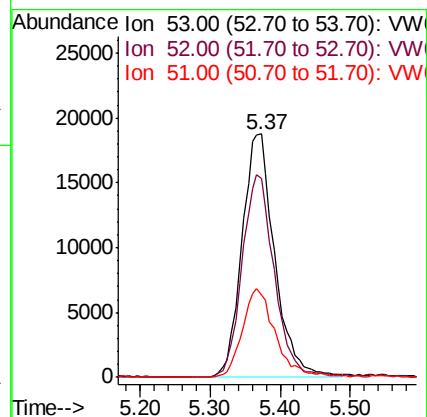
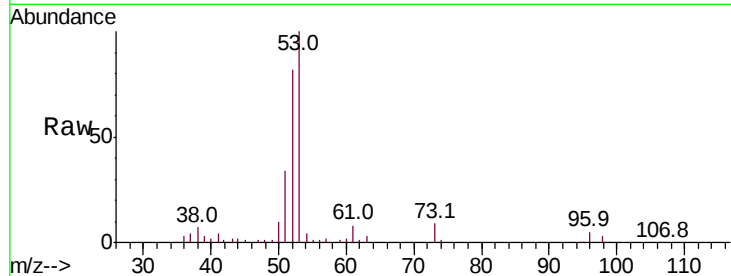
Tot Ion: 53 Resp: 60833

Ion Ratio Lower Upper

53 100

52 82.0 67.2 100.8

51 36.9 30.0 45.0



#16

Acetone

Concen: 78.158 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011932.D

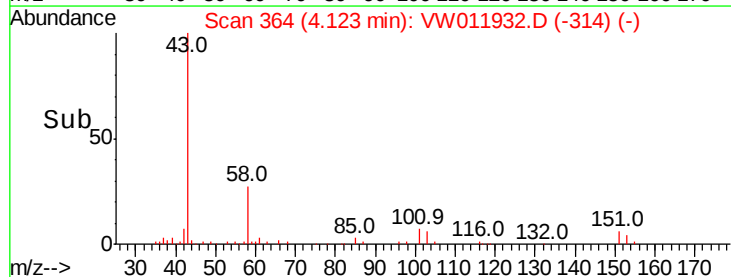
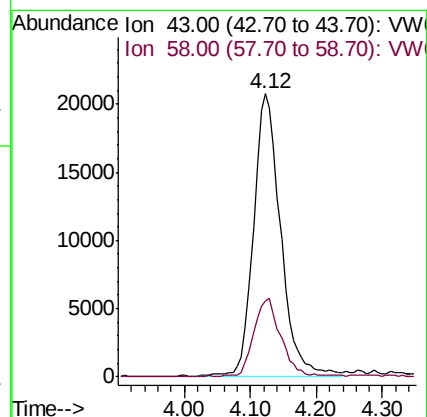
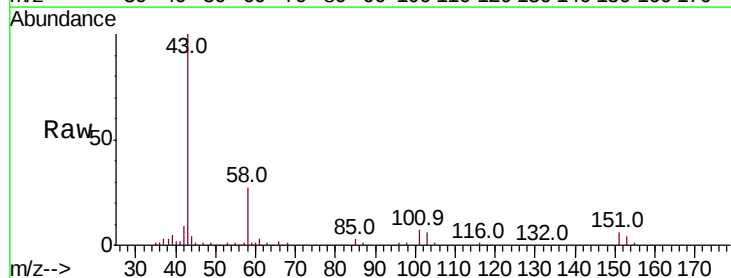
Acq: 15 Aug 2019 17:00

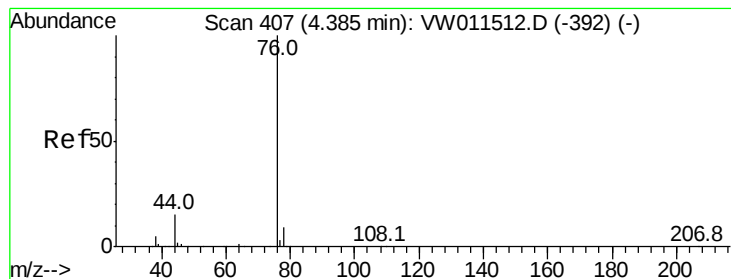
Tgt Ion: 43 Resp: 58972

Ion Ratio Lower Upper

43 100

58 26.6 22.3 33.5





#17

Carbon Disulfide

Concen: 19.603 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

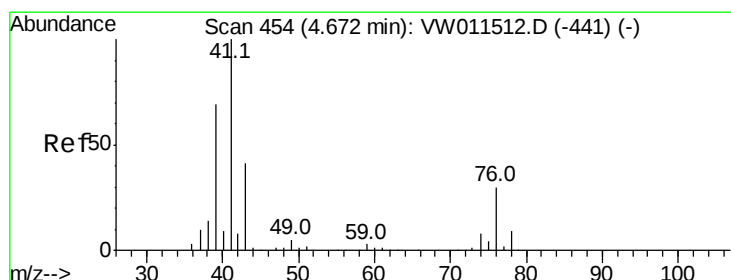
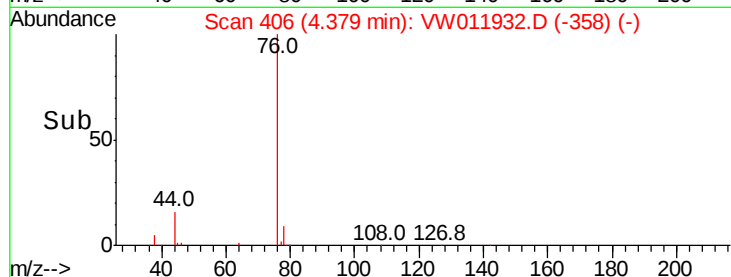
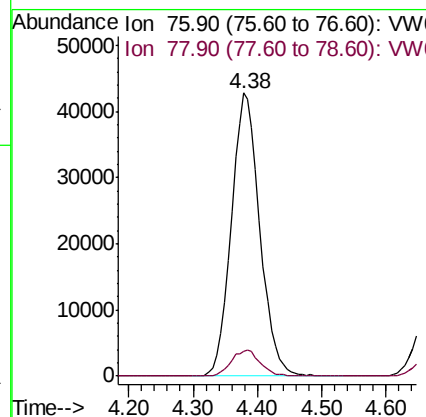
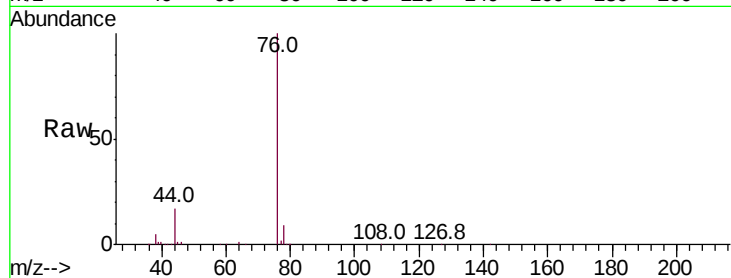
ClientSampleId :

Tot Ion: 76 Resp: 131992

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 20.005 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW011932.D

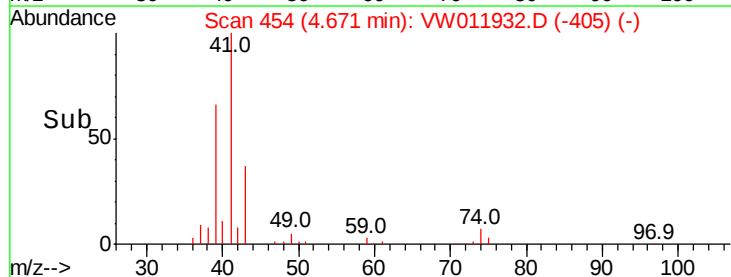
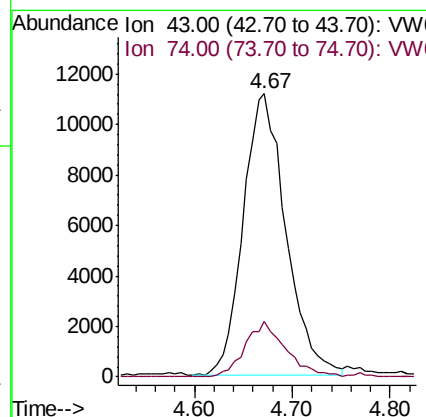
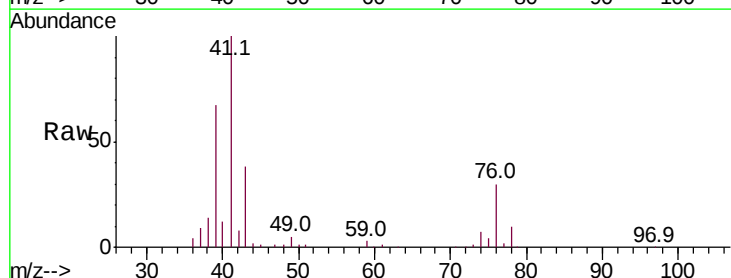
Acq: 15 Aug 2019 17:00

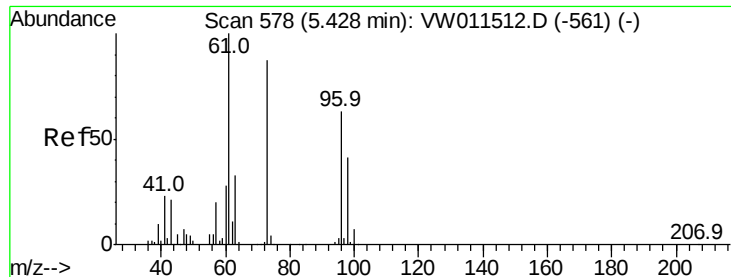
Tgt Ion: 43 Resp: 33909

Ion Ratio Lower Upper

43 100

74 18.6 15.9 23.9

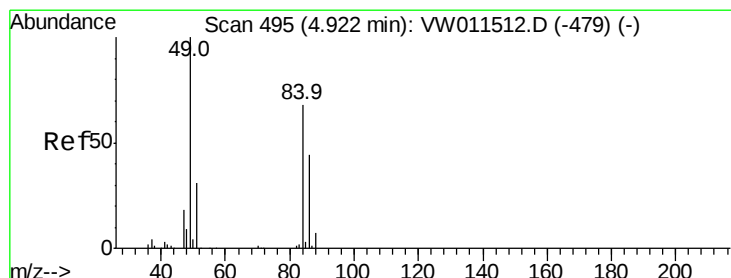
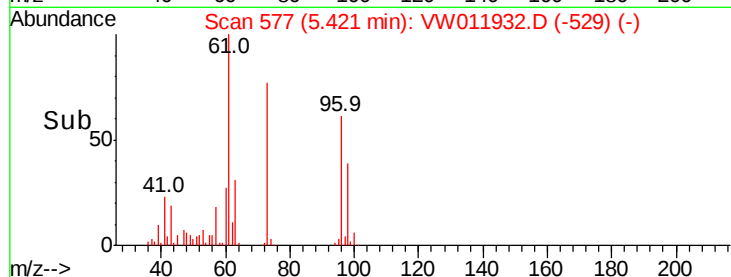
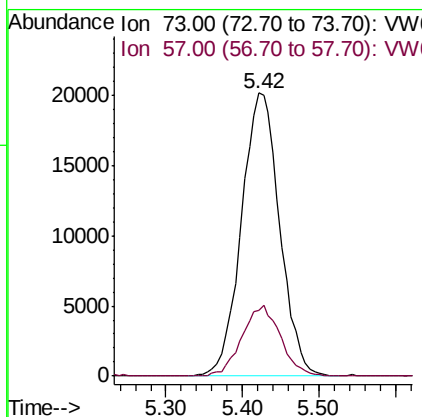
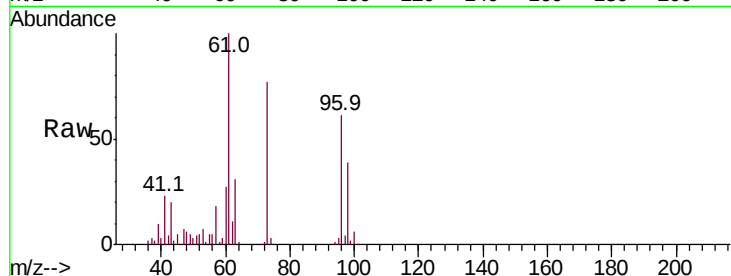




#19
Methvl tert-butvl Ether
Concen: 20.499 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

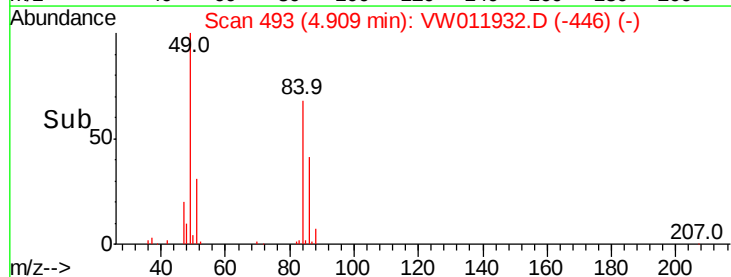
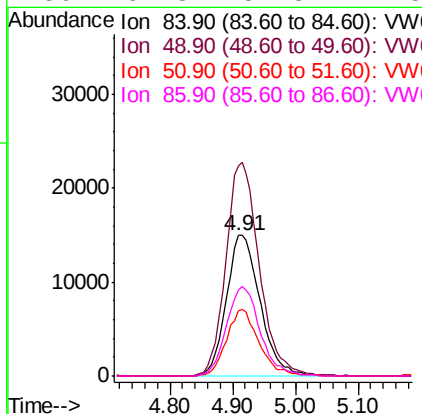
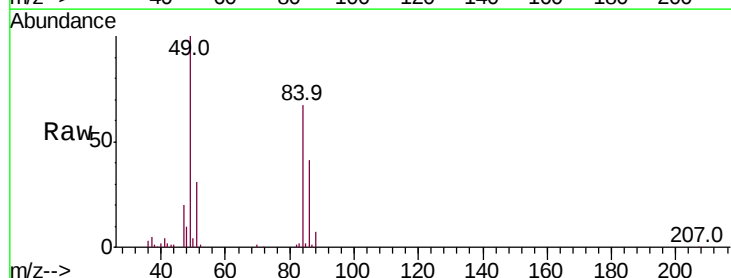
Instrument :
MSVOA_W
ClientSampleId :

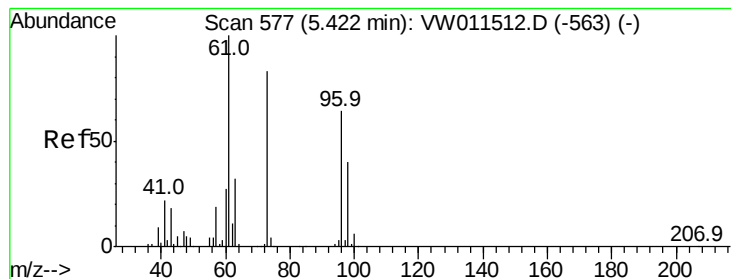
Tot Ion: 73 Resp: 69982
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6



#20
Methylene Chloride
Concen: 21.399 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 84 Resp: 55685
Ion Ratio Lower Upper
84 100
49 149.5 117.8 176.6
51 46.9 37.0 55.4
86 61.3 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.246 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

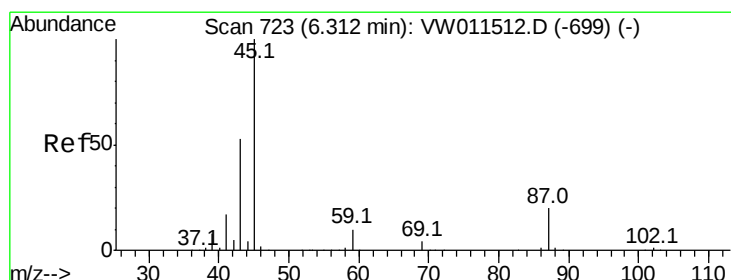
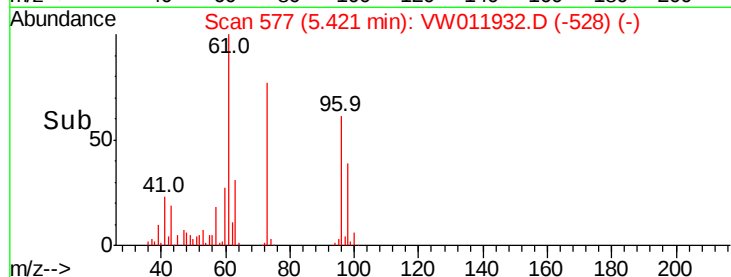
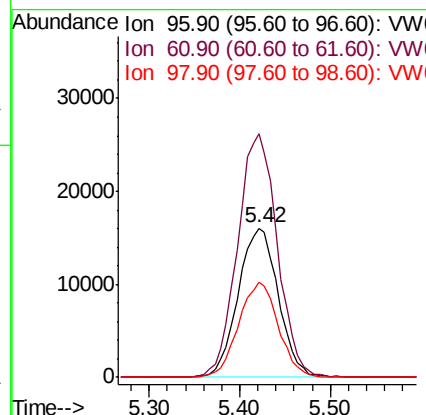
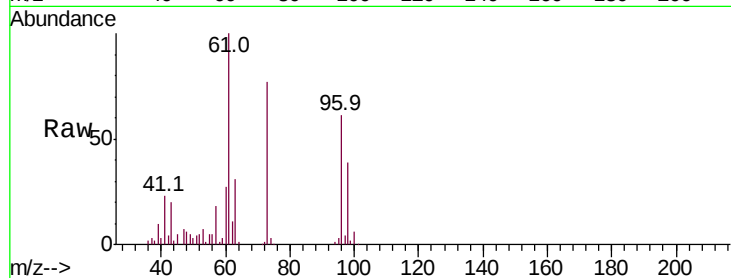
Tot Ion: 96 Resp: 49278

Ion Ratio Lower Upper

96 100

61 162.7 125.7 188.5

98 63.6 50.3 75.5



#22

Diisopropyl ether

Concen: 21.222 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion: 45 Resp: 183079

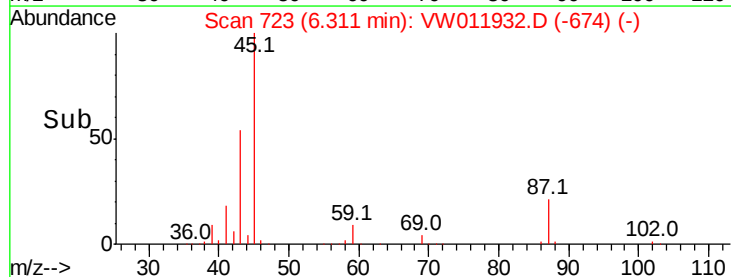
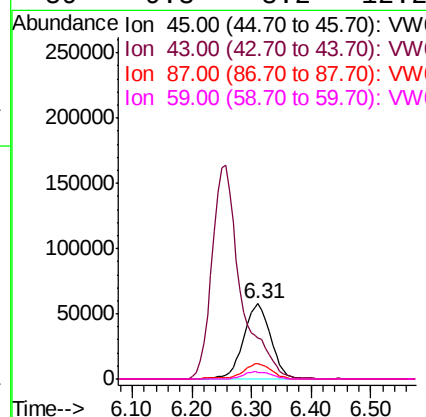
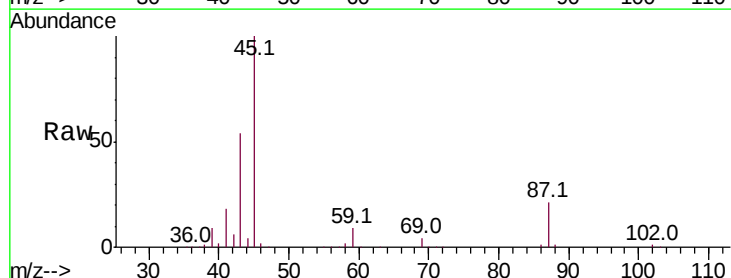
Ion Ratio Lower Upper

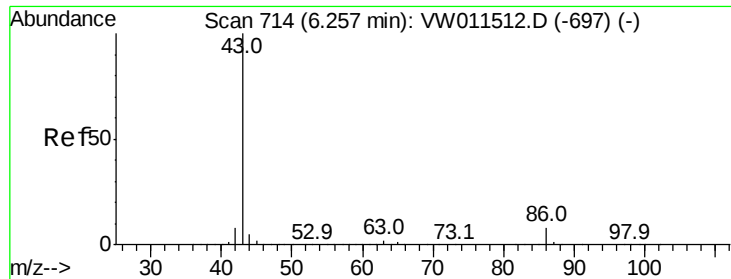
45 100

43 53.0 42.6 63.8

87 21.0 16.4 24.6

59 9.3 8.2 12.2





#23

Vinyl Acetate

Concen: 100.577 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

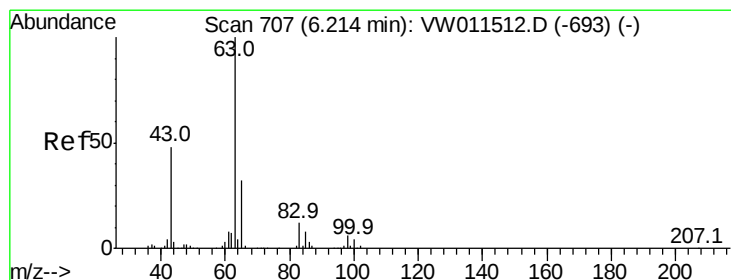
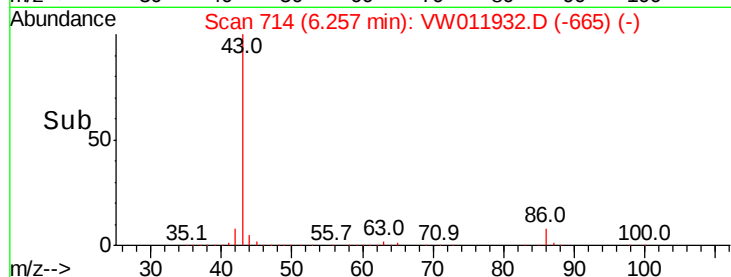
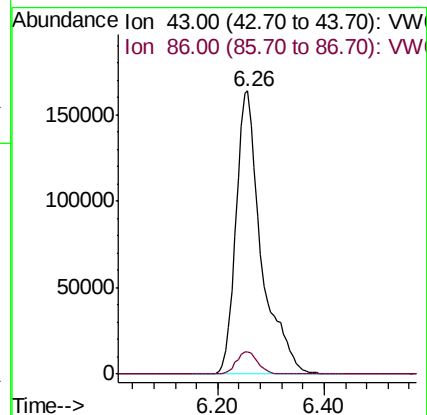
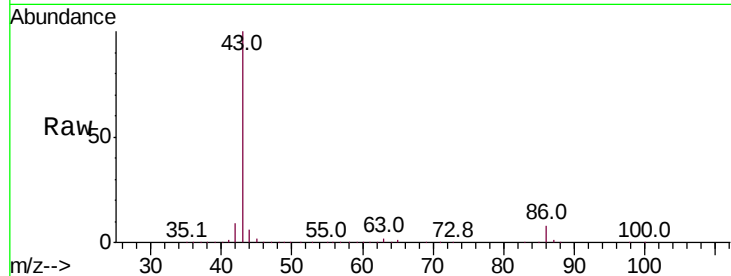
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 545198

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.531 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

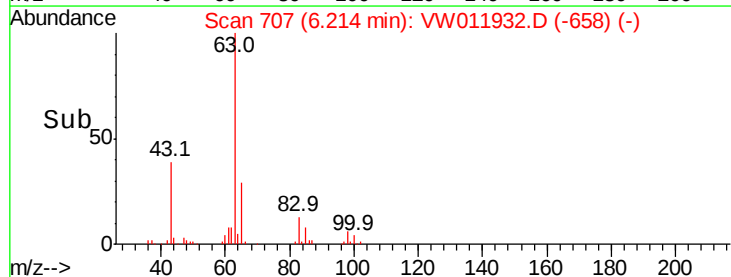
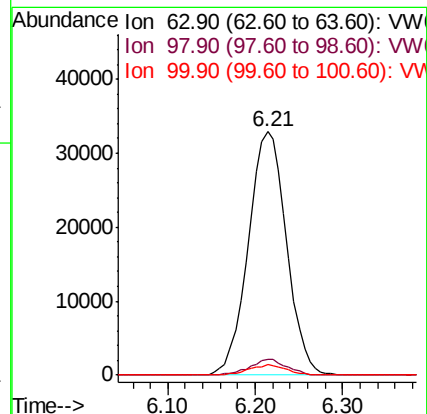
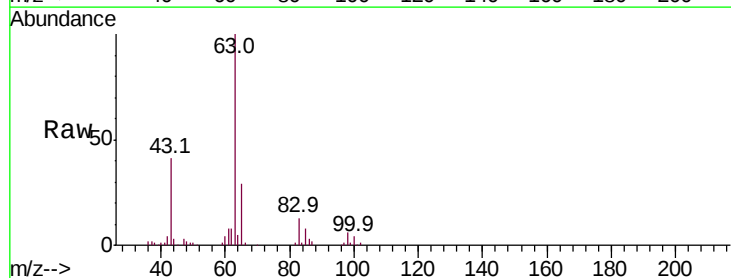
Tgt Ion: 63 Resp: 99478

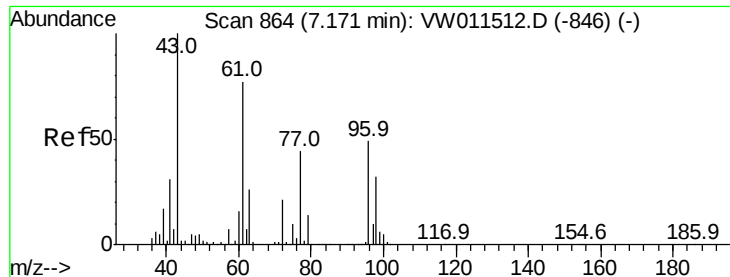
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 88.153 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

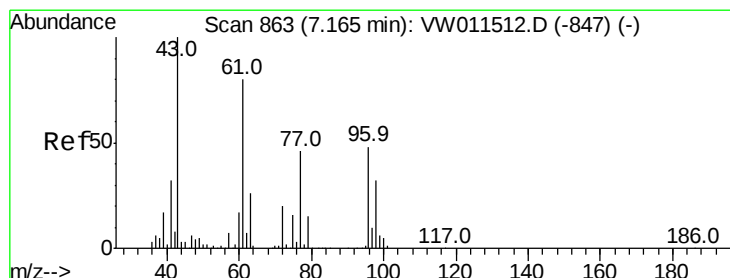
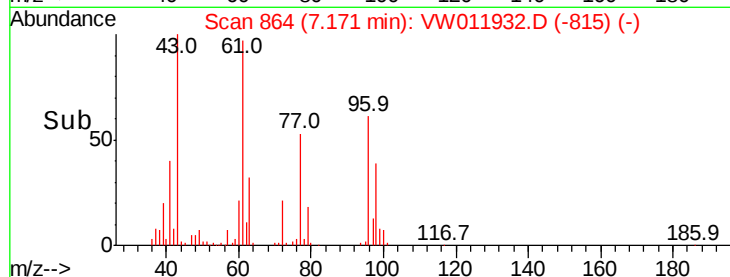
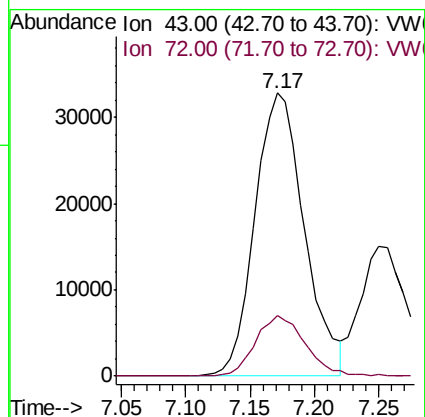
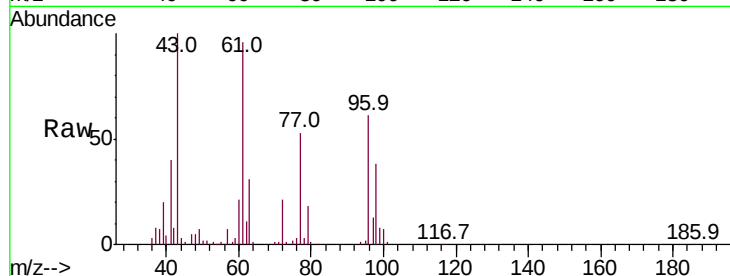
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 87035

Ion Ratio Lower Upper

43 100

72 21.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.131 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011932.D

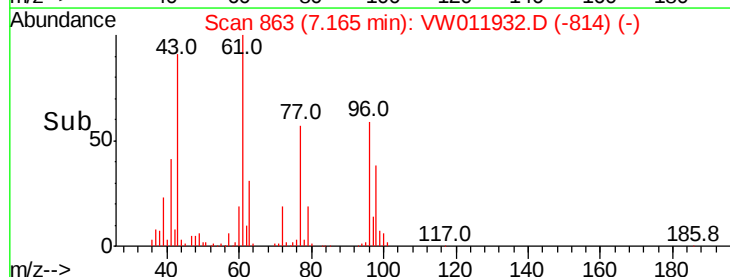
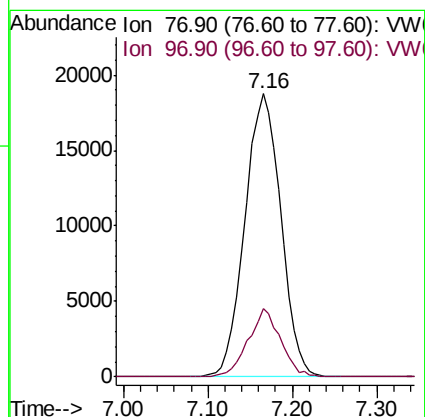
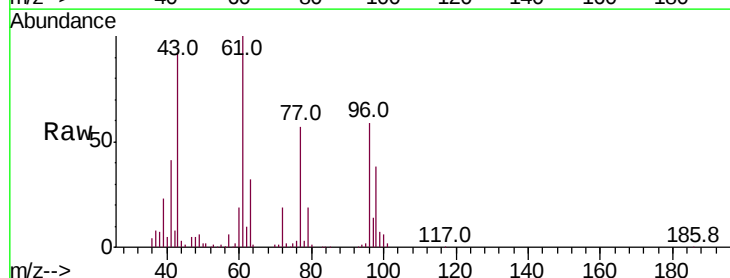
Acq: 15 Aug 2019 17:00

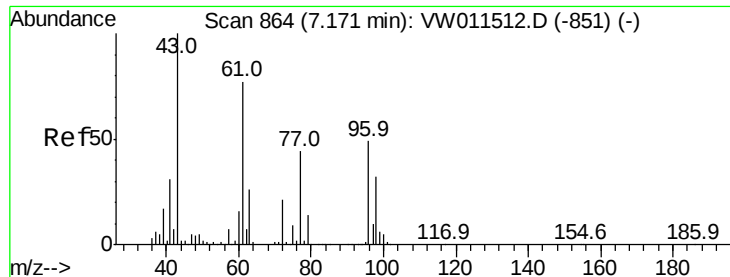
Tgt Ion: 77 Resp: 54359

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.4



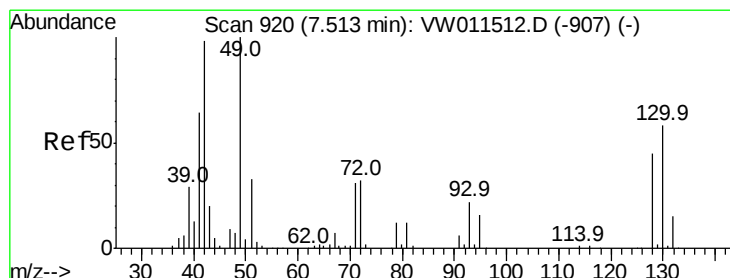
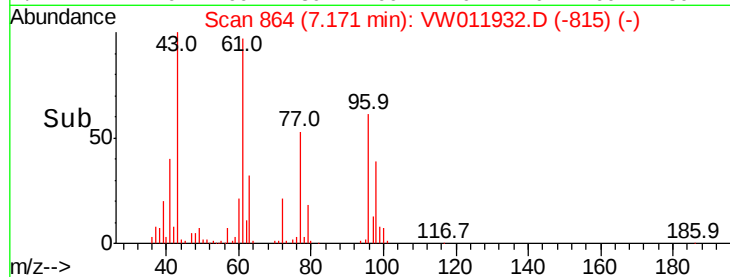
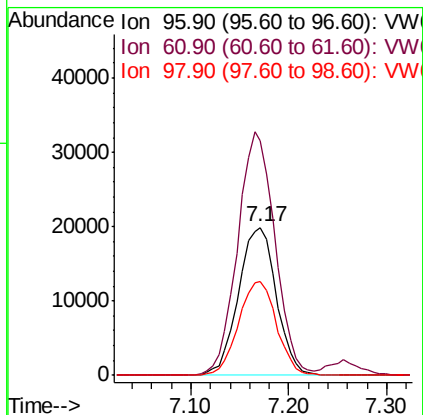
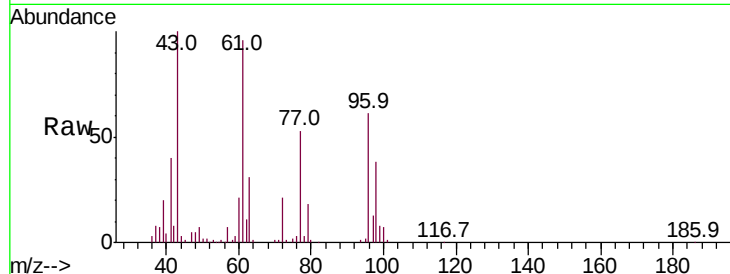


#27

cis-1,2-Dichloroethene
Concen: 21.000 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampled :

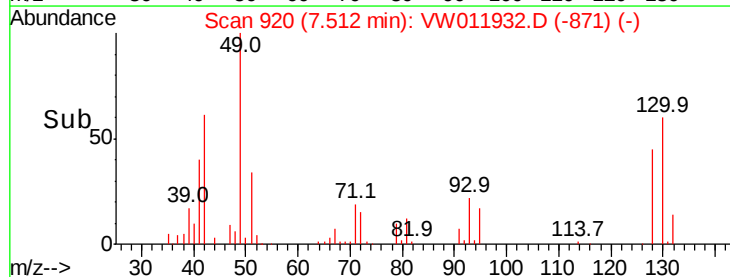
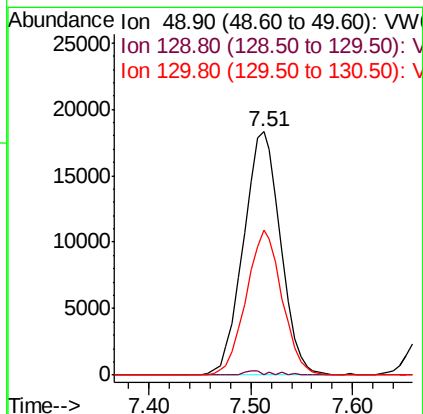
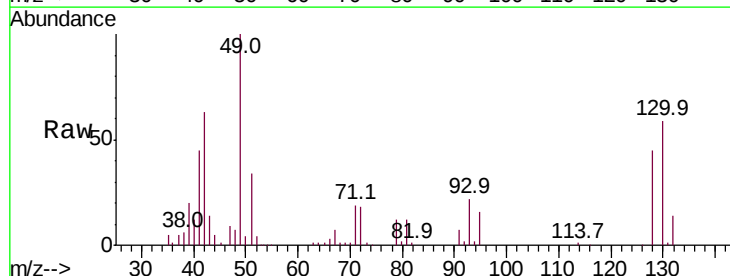
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	328.4
98	63.5	0.0	128.8

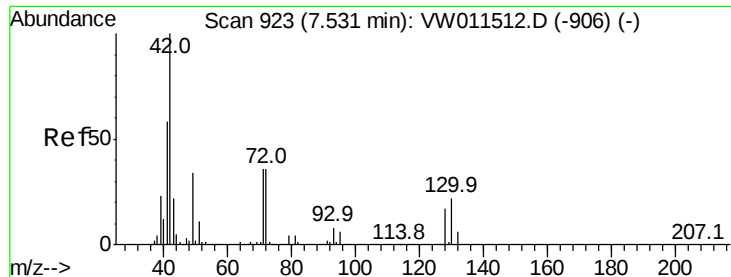


#28

Bromochloromethane
Concen: 22.613 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	57.3	46.3	69.5

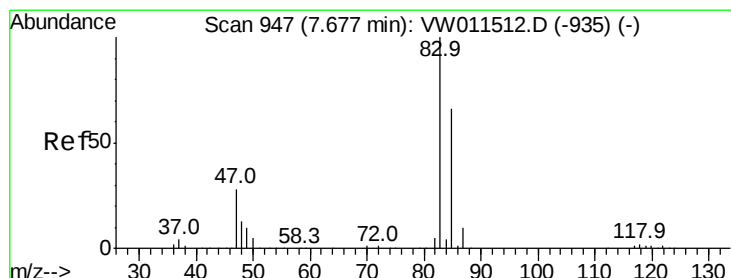
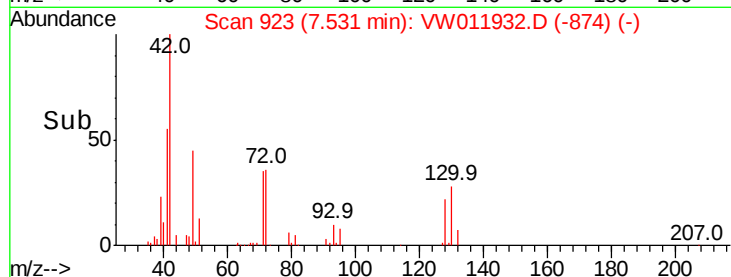
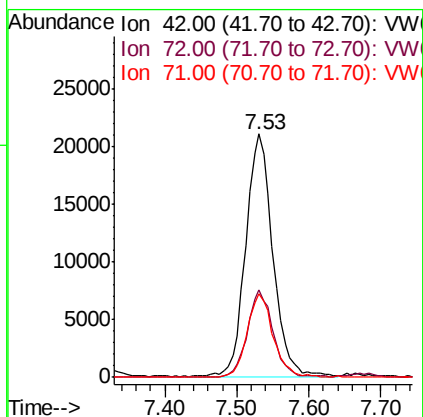
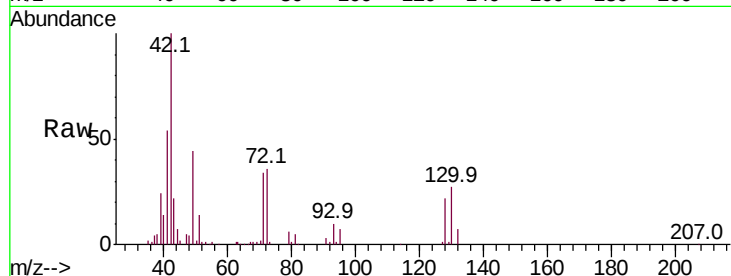




#29
Tetrahydrofuran
Concen: 99.011 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

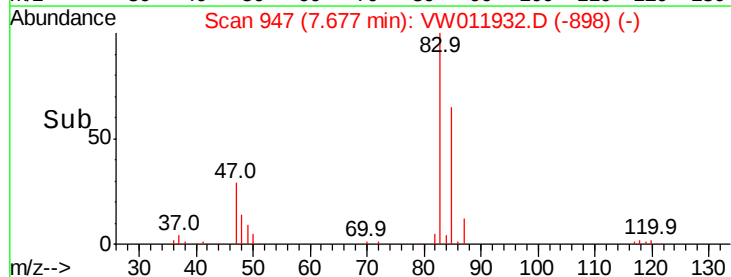
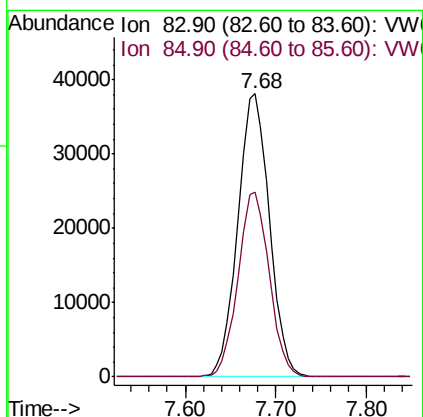
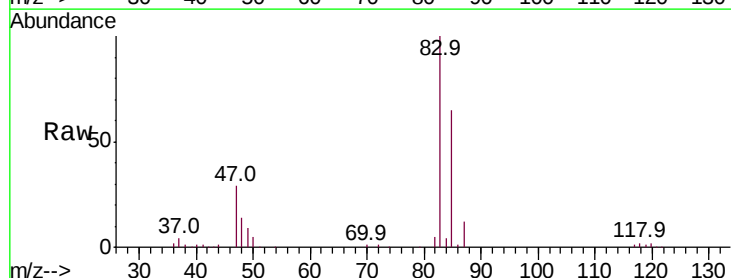
Instrument :
MSVOA_W
ClientSampled :

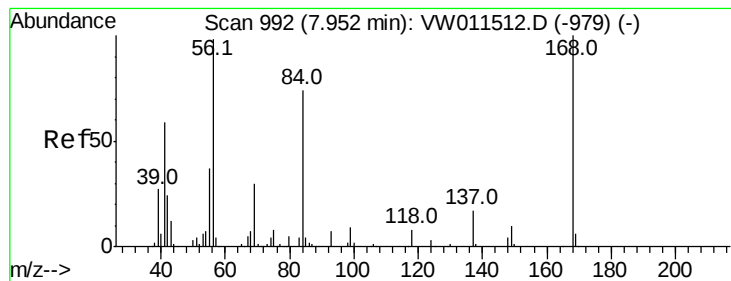
Tot Ion: 42 Resp: 55878
Ion Ratio Lower Upper
42 100
72 33.8 27.1 40.7
71 32.7 26.2 39.4



#30
Chloroform
Concen: 21.634 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 83 Resp: 92217
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7





#31

Cyclohexane

Concen: 20.999 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampled :

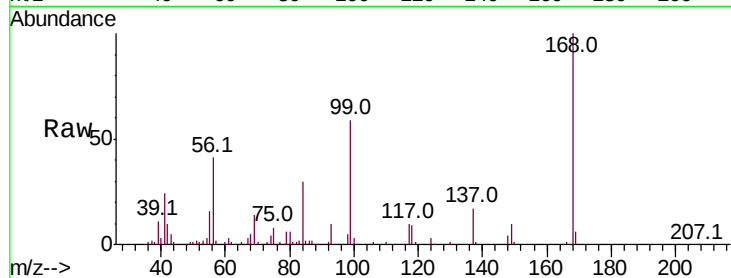
Tot Ion: 56 Resp: 93130

Ion Ratio Lower Upper

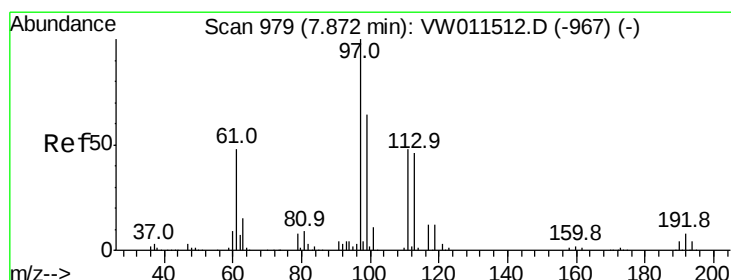
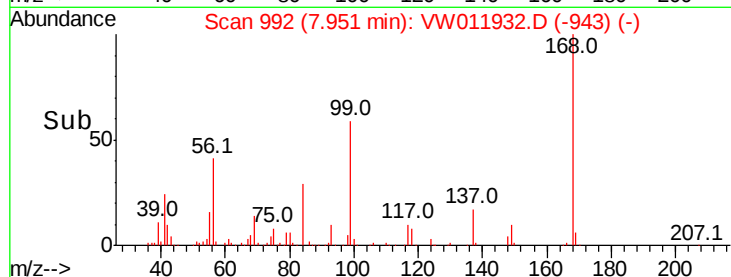
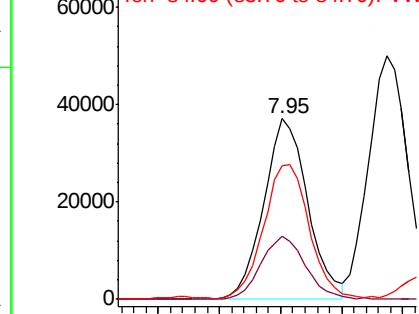
56 100

69 34.7 24.3 36.5

84 72.8 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 21.869 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

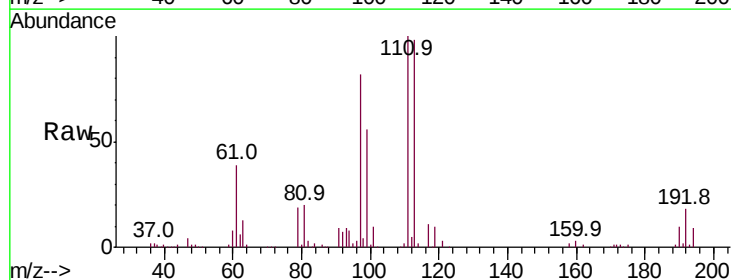
Tgt Ion: 97 Resp: 70992

Ion Ratio Lower Upper

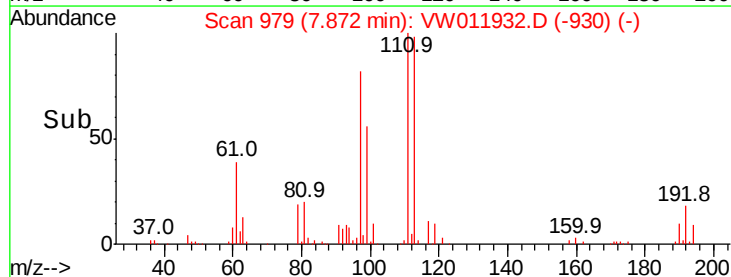
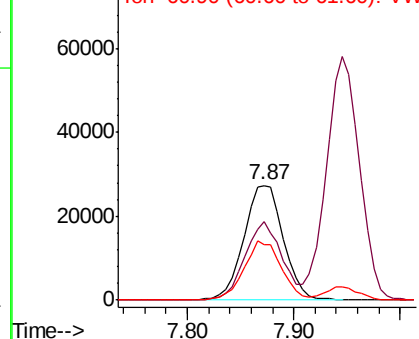
97 100

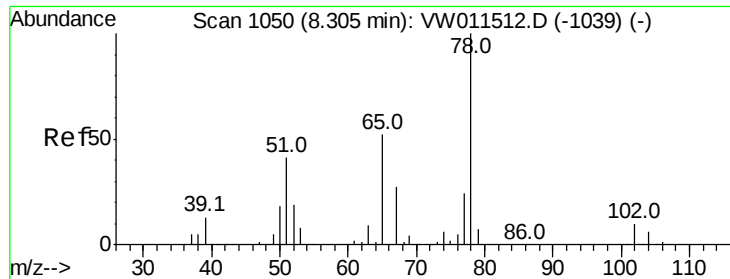
99 65.1 51.0 76.6

61 49.1 39.8 59.6



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

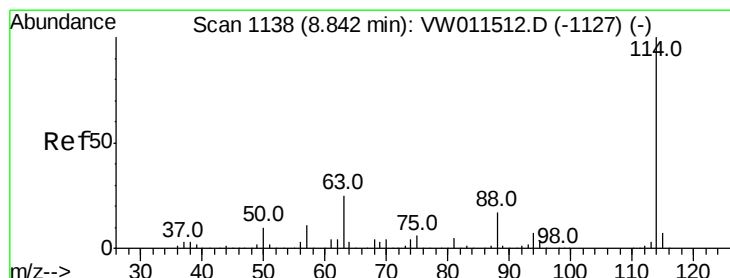
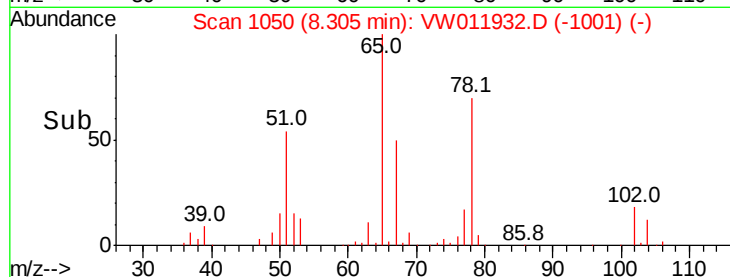
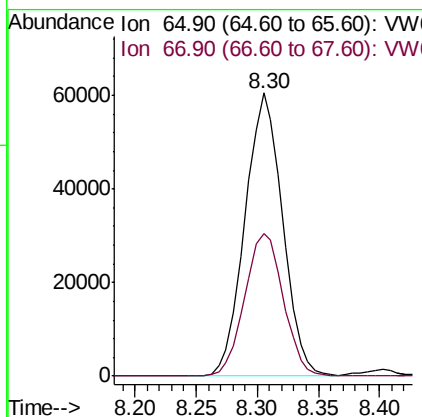
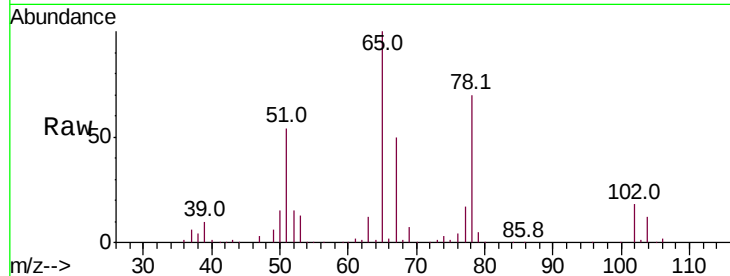




#33
 1,2-Dichloroethane-d4
 Concen: 54.736 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

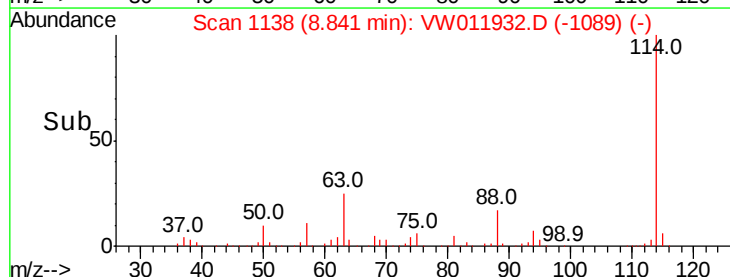
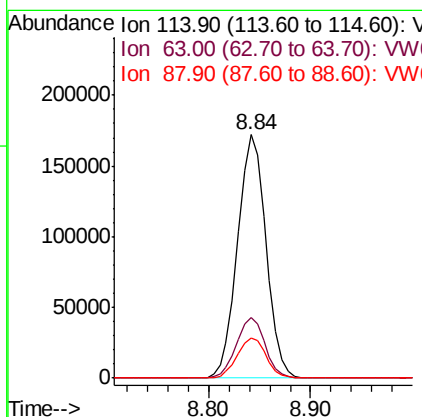
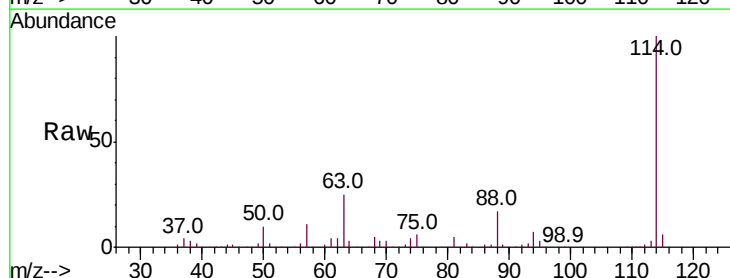
Instrument :
 MSVOA_W
 ClientSampleId :

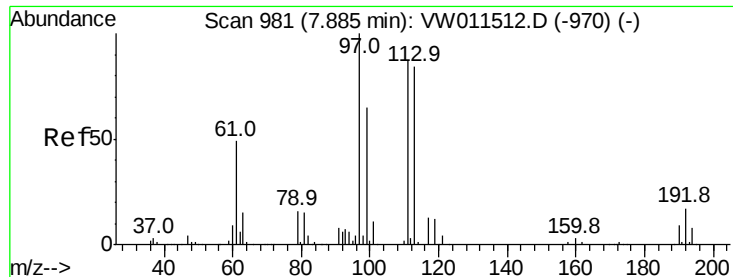
Tot Ion: 65 Resp: 129834
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion: 114 Resp: 333337
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 56.469 ug/l

RT: 7.88 min Scan# 981

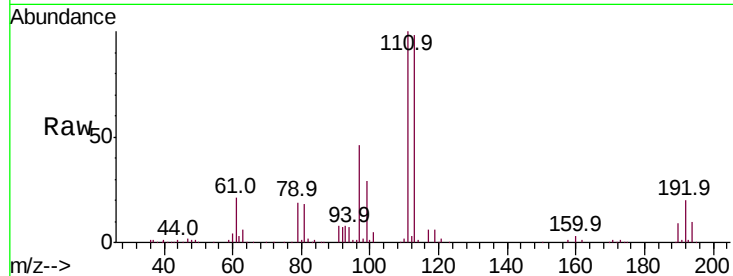
Delta R.T. -0.00 min

Lab File: VW011932.D

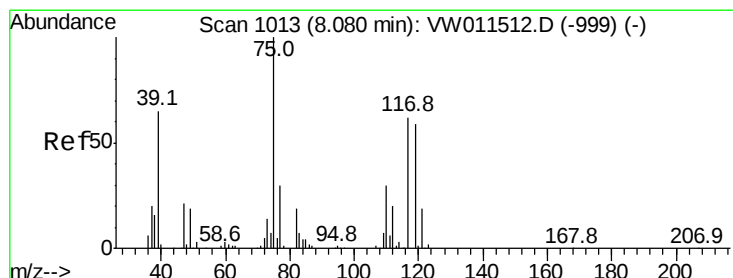
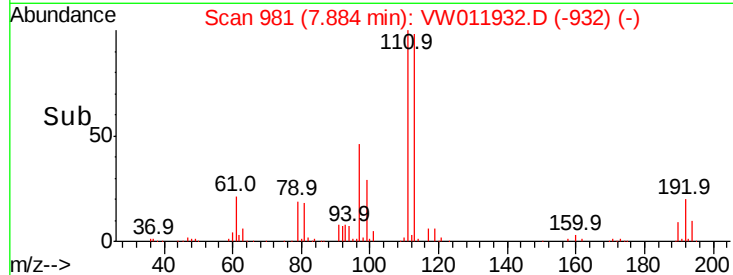
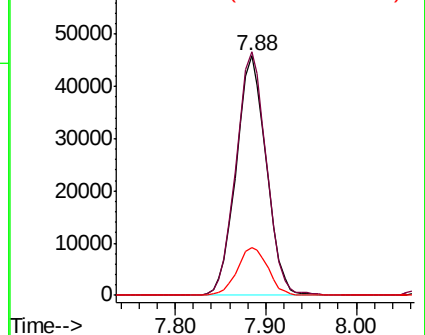
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 105602
Ion Ratio Lower Upper
113 100
111 102.6 82.7 124.1
192 20.4 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.529 ug/l

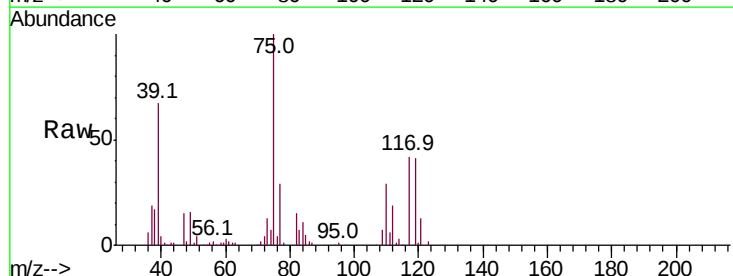
RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

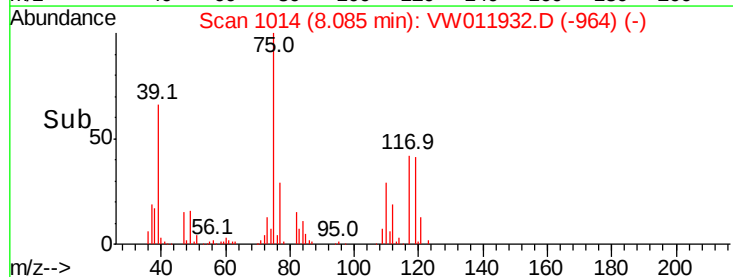
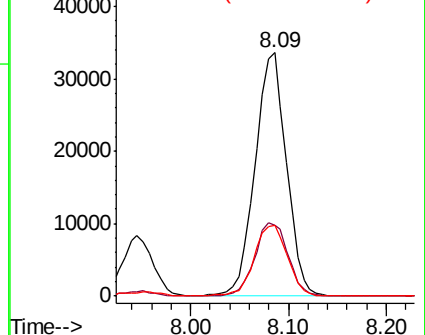
Lab File: VW011932.D

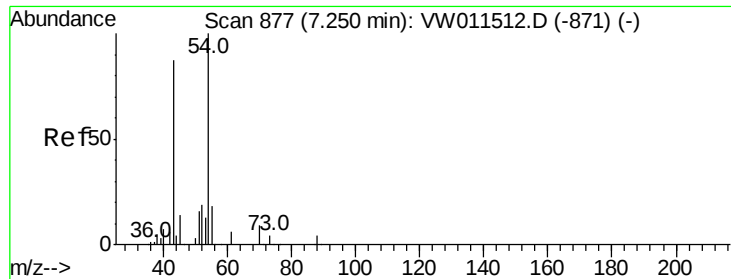
Acq: 15 Aug 2019 17:00

Tgt Ion: 75 Resp: 74620
Ion Ratio Lower Upper
75 100
110 31.9 15.6 46.8
77 31.2 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

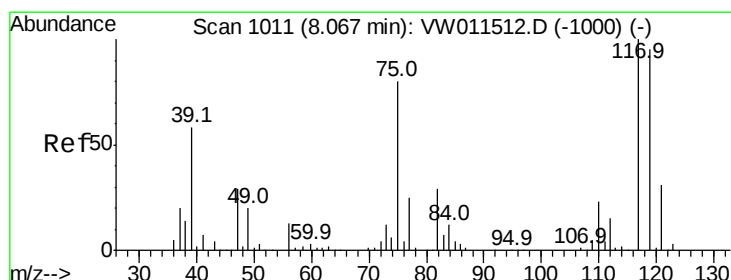
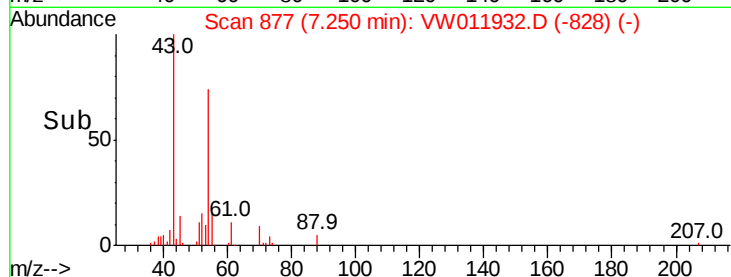
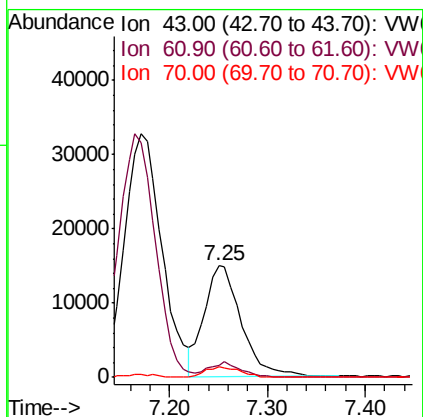
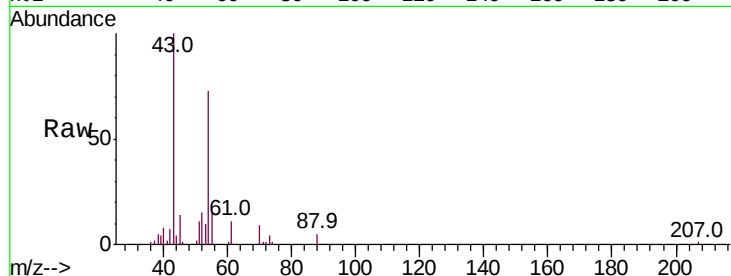




#37
Ethyl Acetate
Concen: 19.391 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

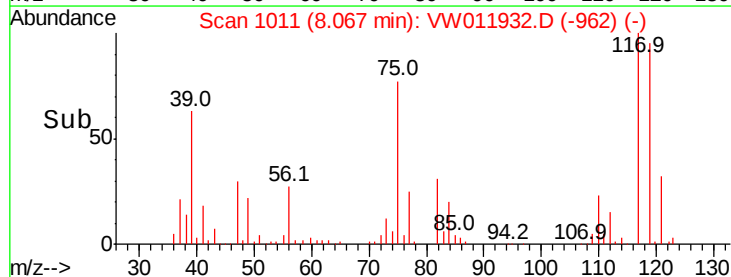
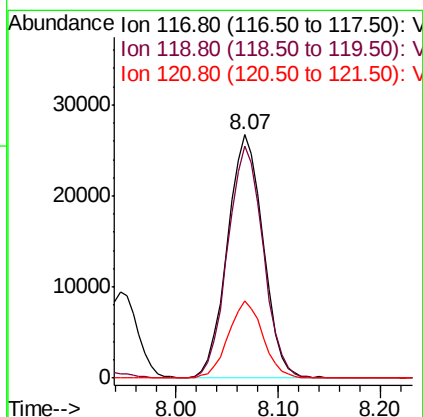
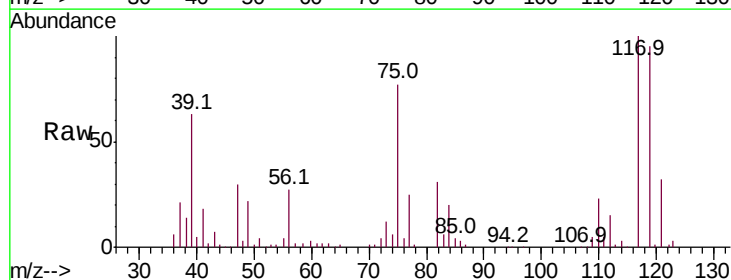
Instrument :
MSVOA_W
ClientSampleId :

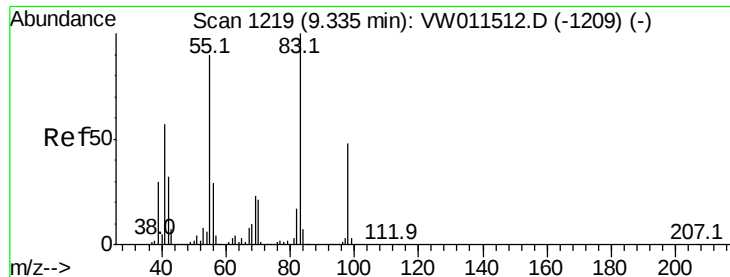
Tot Ion: 43 Resp: 38669
Ion Ratio Lower Upper
43 100
61 11.8 8.8 13.2
70 9.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.901 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 117 Resp: 64984
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.6
121 31.6 24.7 37.1

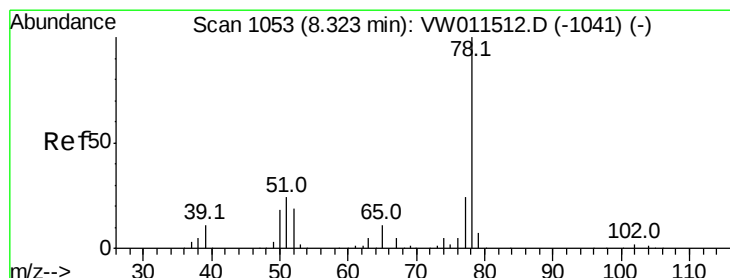
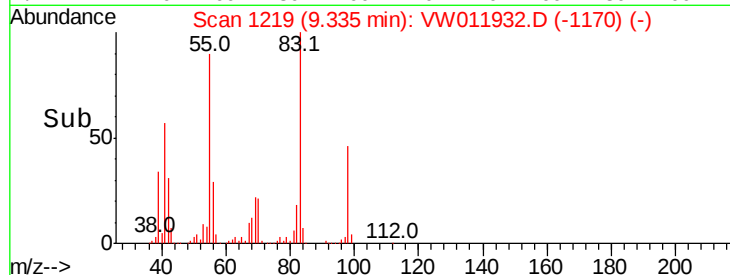
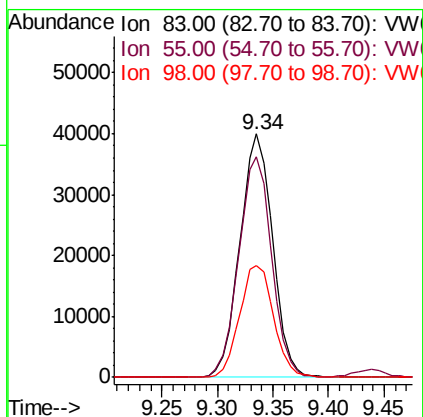
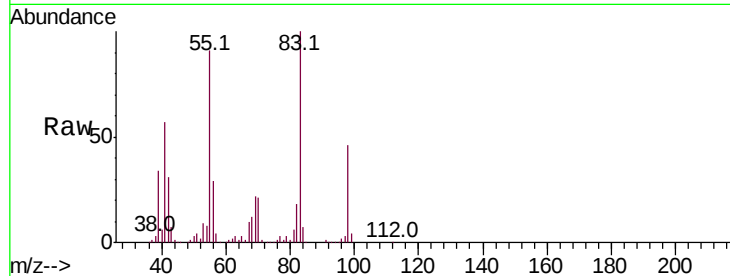




#39
Methvlcvclohexane
Concen: 21.404 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

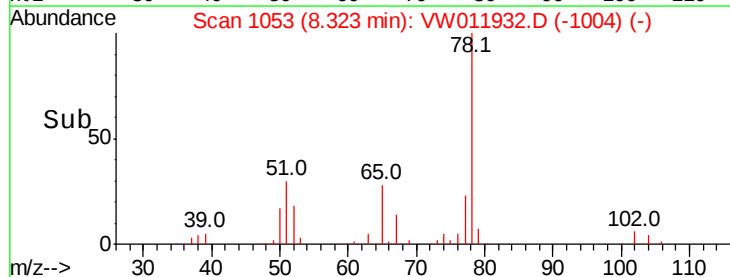
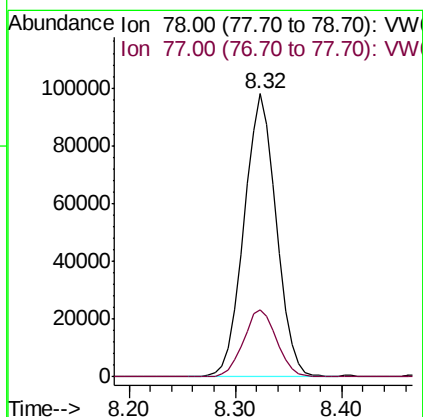
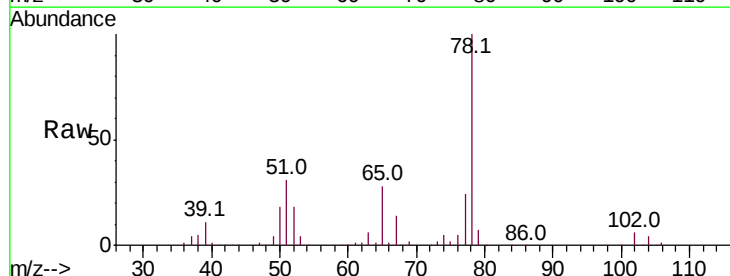
Instrument :
MSVOA_W
ClientSampled :

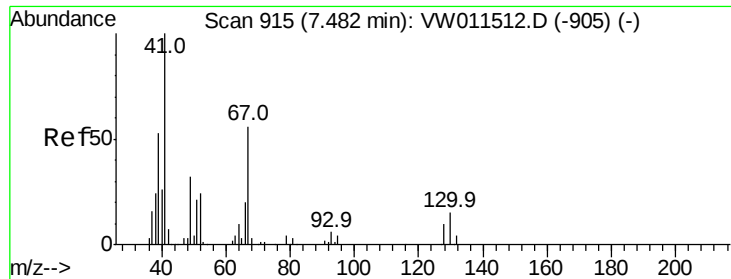
Tot Ion: 83 Resp: 81691
Ion Ratio Lower Upper
83 100
55 90.6 72.1 108.1
98 45.8 38.6 57.8



#40
Benzene
Concen: 21.500 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 78 Resp: 208736
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0

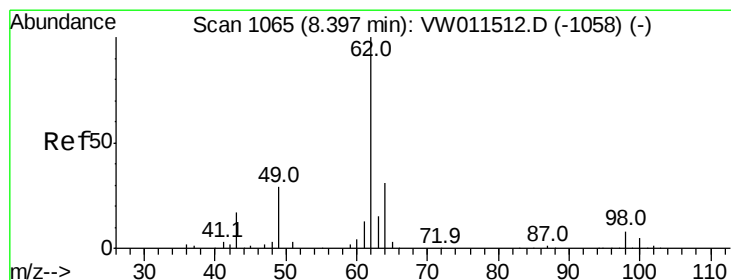
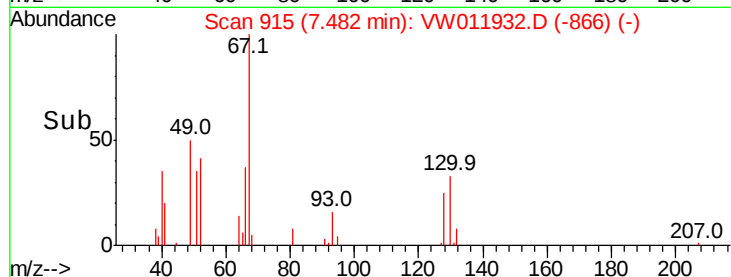
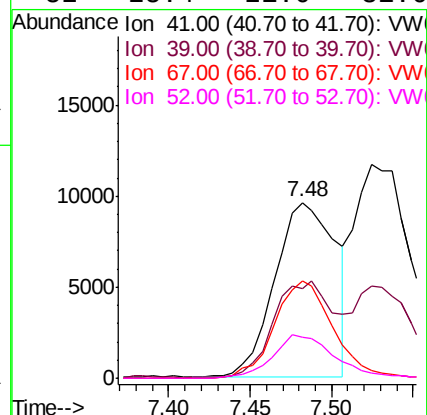
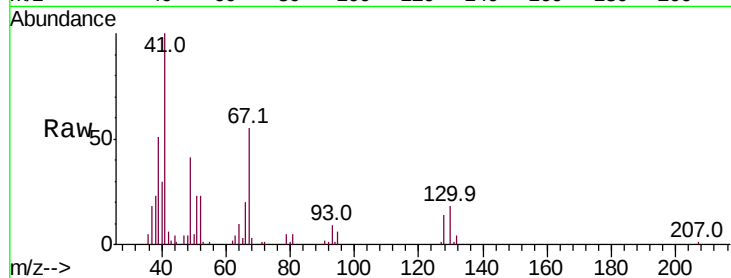




#41
Methacrylonitrile
Concen: 20.844 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

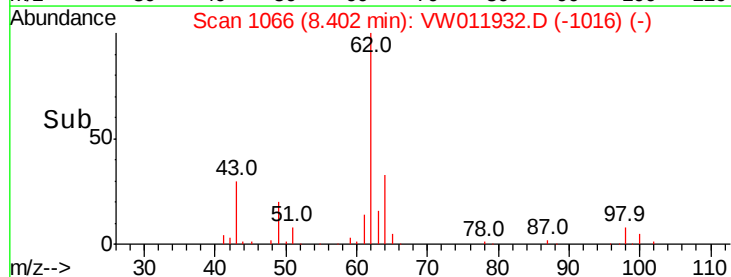
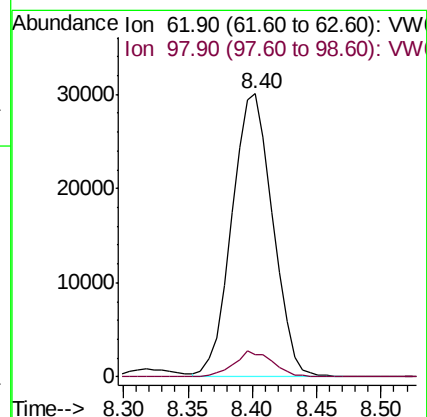
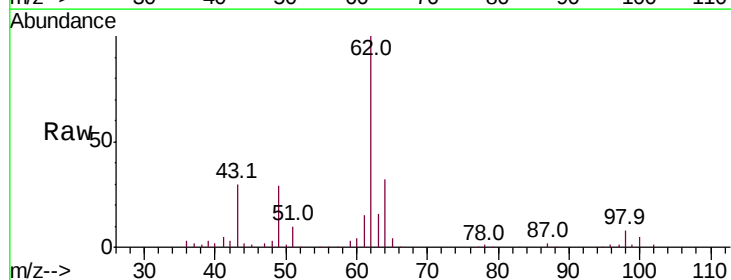
Instrument :
MSVOA_W
ClientSampled :

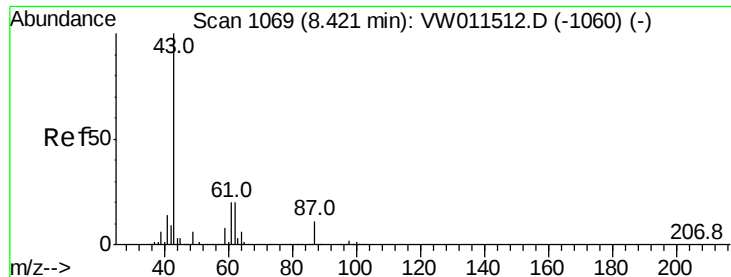
Tot Ion:	41	Resp:	24847
Ion	Ratio	Lower	Upper
41	100		
39	55.4	43.0	64.4
67	53.5	47.5	71.3
52	25.4	21.0	31.6



#42
1,2-Dichloroethane
Concen: 21.733 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion:	62	Resp:	66062
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.705 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

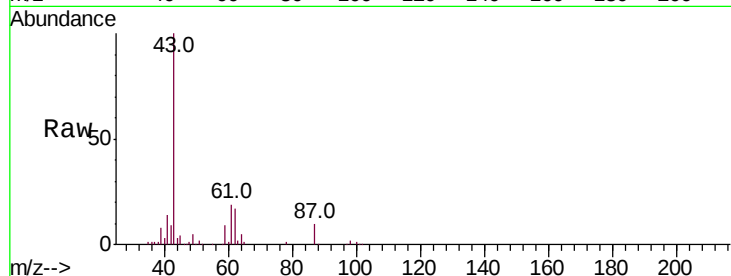
Tot Ion: 43 Resp: 72266

Ion Ratio Lower Upper

43 100

61 27.1 21.5 32.3

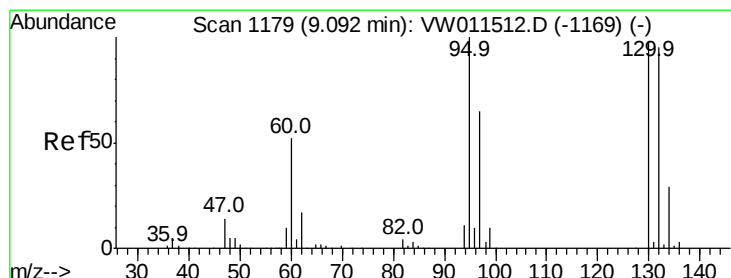
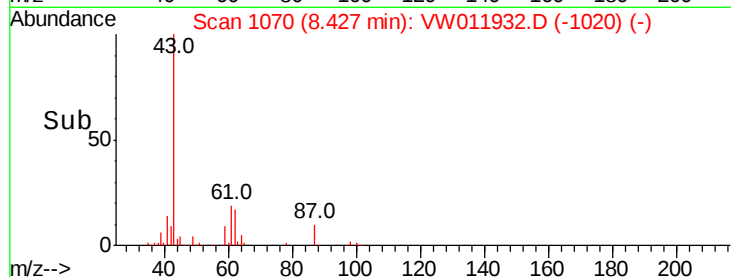
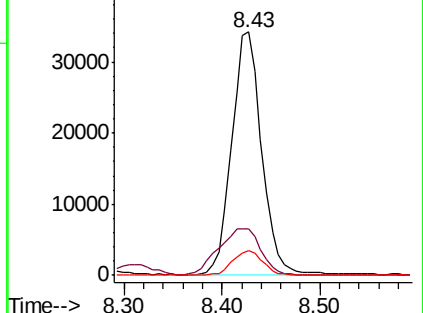
87 10.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.514 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011932.D

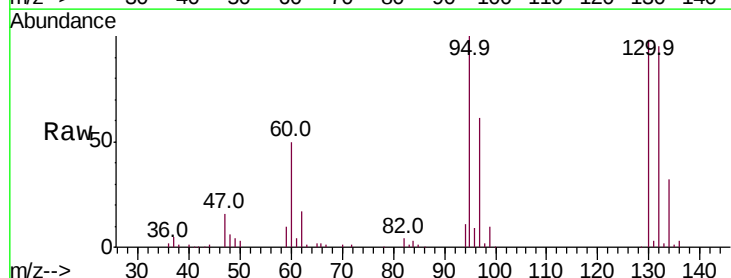
Acq: 15 Aug 2019 17:00

Tgt Ion: 130 Resp: 50202

Ion Ratio Lower Upper

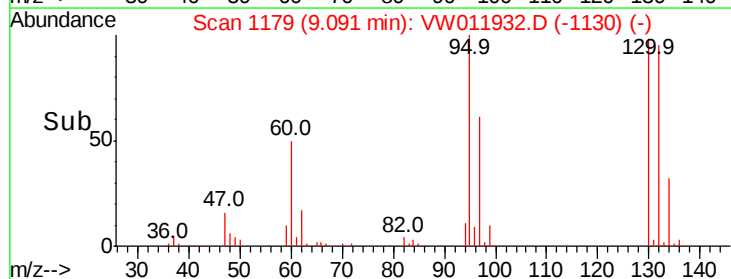
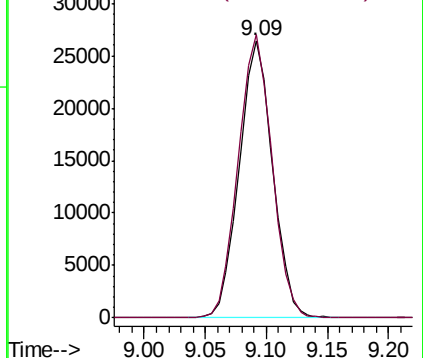
130 100

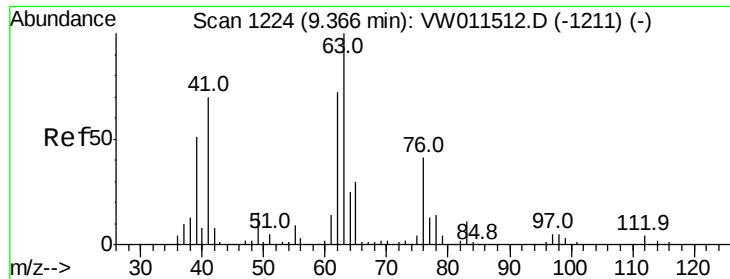
95 102.1 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.648 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

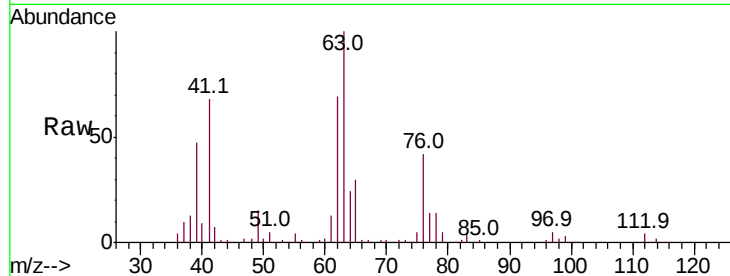
ClientSampled :

Tot Ion: 63 Resp: 56236

Ion Ratio Lower Upper

63 100

65 29.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

30000

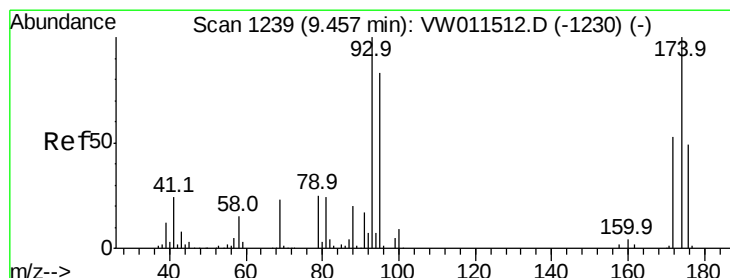
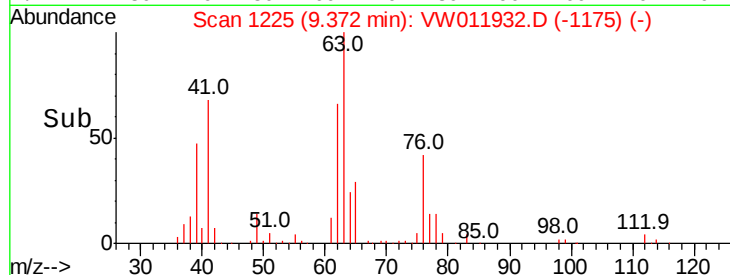
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.977 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

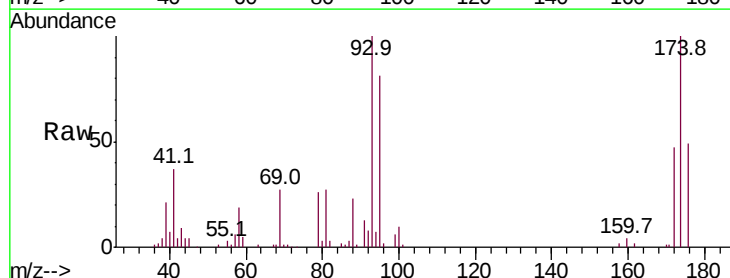
Tgt Ion: 93 Resp: 24872

Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.2

174 98.0 78.2 117.4



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

15000

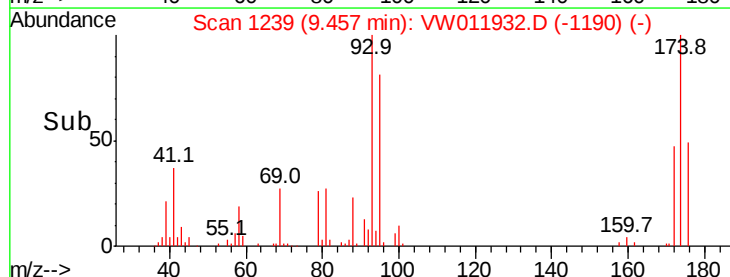
10000

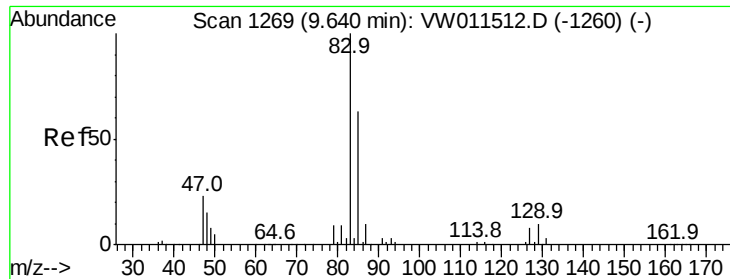
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 21.238 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

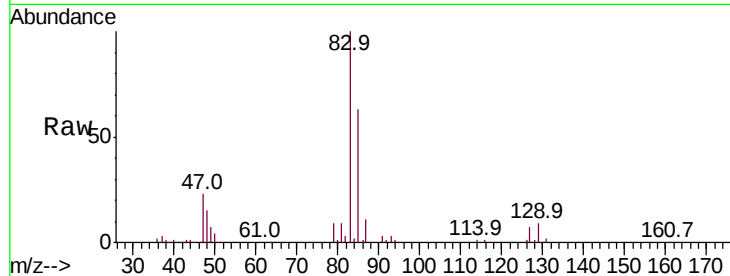
Tot Ion: 83 Resp: 66053

Ion Ratio Lower Upper

83 100

85 62.9 50.5 75.7

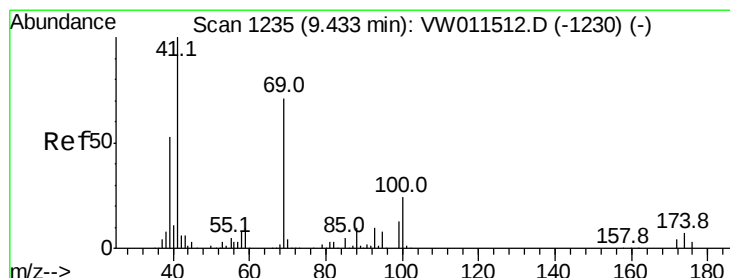
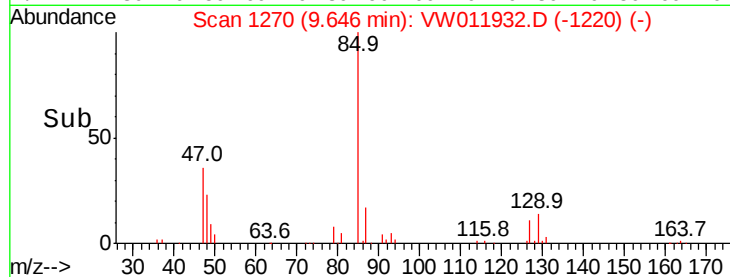
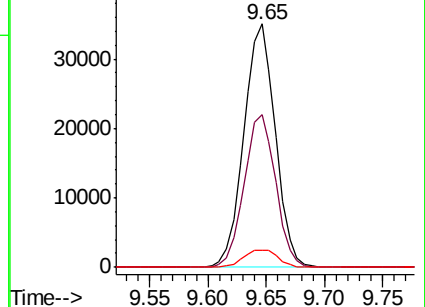
127 6.8 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.837 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

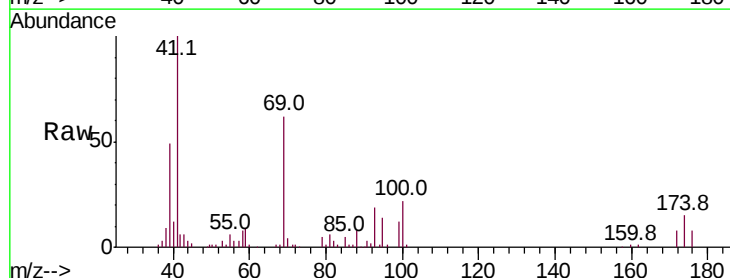
Tgt Ion: 41 Resp: 34947

Ion Ratio Lower Upper

41 100

69 71.9 57.1 85.7

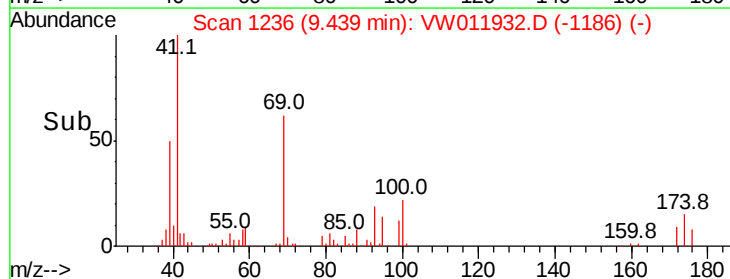
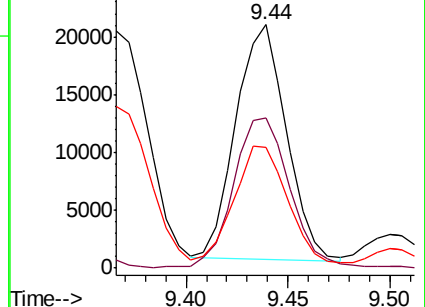
39 57.4 45.4 68.2

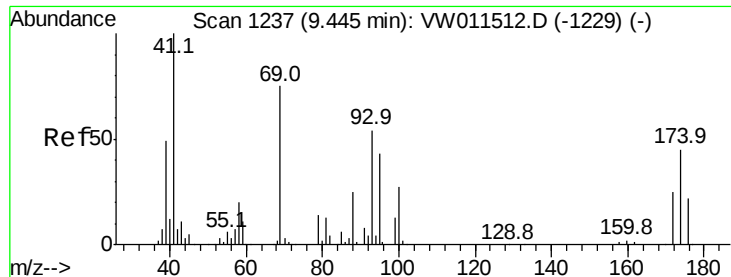


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 390.738 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :

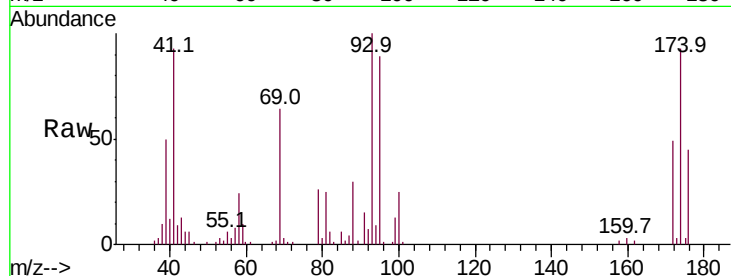
Tot Ion: 88 Resp: 6708

Ion Ratio Lower Upper

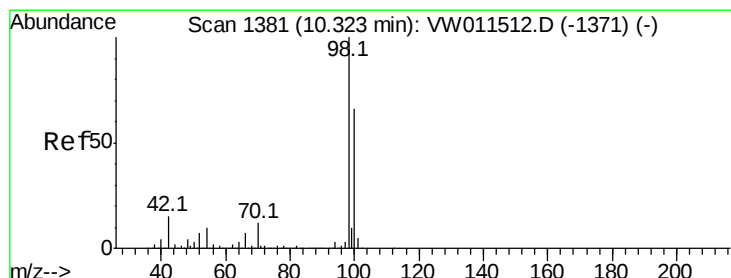
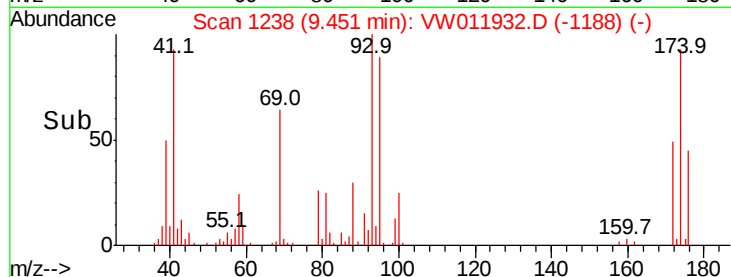
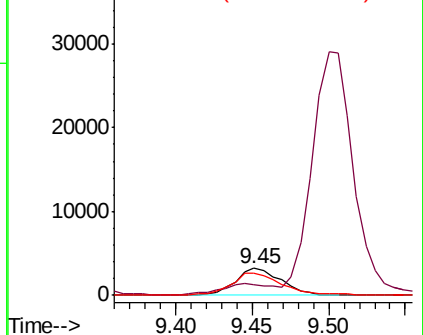
88 100

43 42.3 34.0 51.0

58 92.9 69.7 104.5



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



#50

Toluene-d8

Concen: 55.470 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011932.D

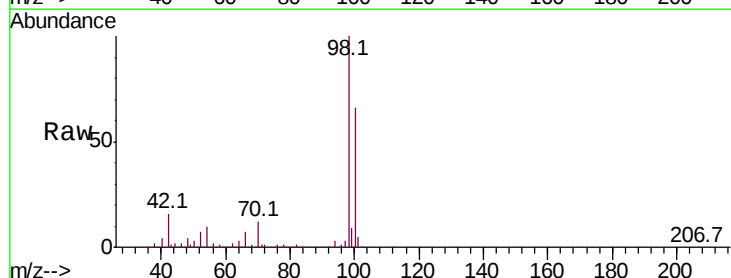
Acq: 15 Aug 2019 17:00

Tgt Ion: 98 Resp: 424713

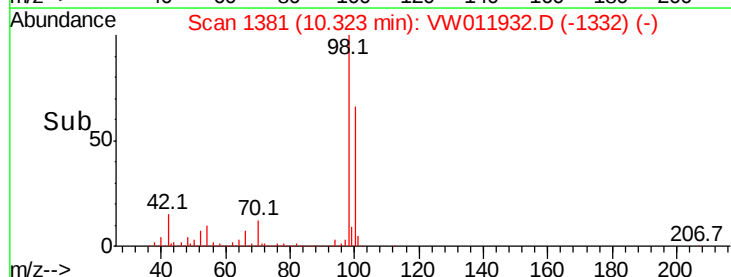
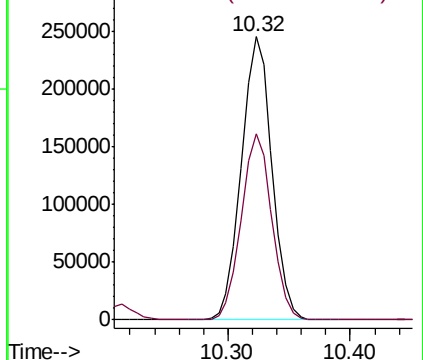
Ion Ratio Lower Upper

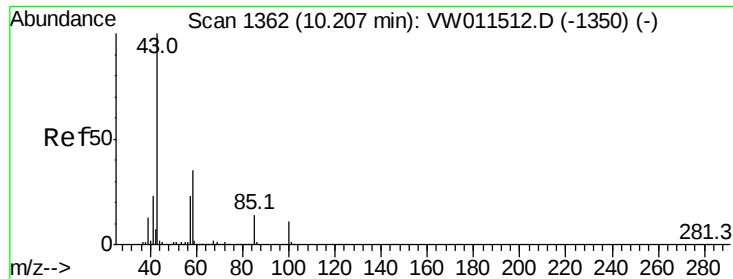
98 100

100 65.6 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 97.705 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

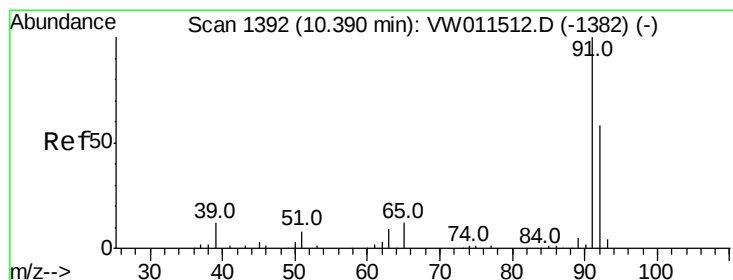
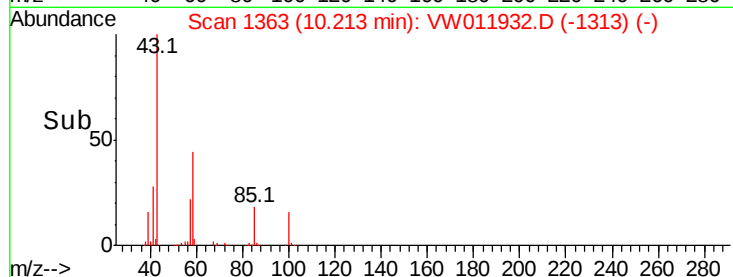
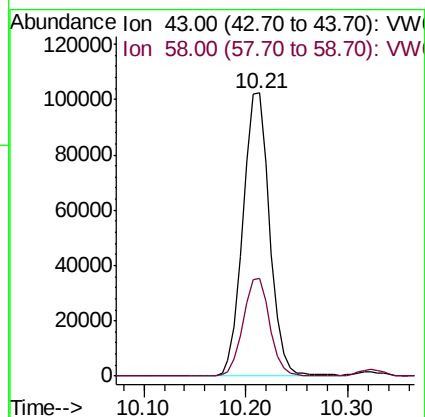
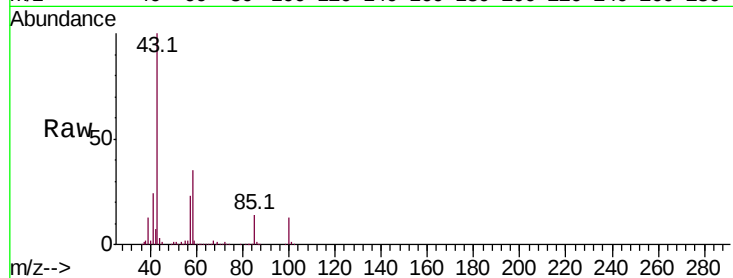
ClientSampled :

Tot Ion: 43 Resp: 186380

Ion Ratio Lower Upper

43 100

58 34.5 28.2 42.2



#52

Toluene

Concen: 21.588 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011932.D

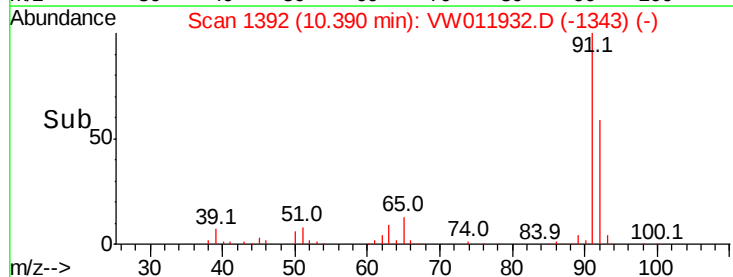
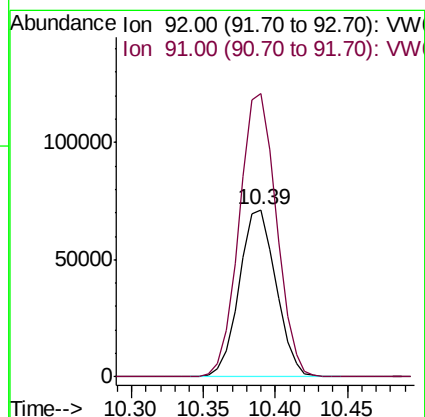
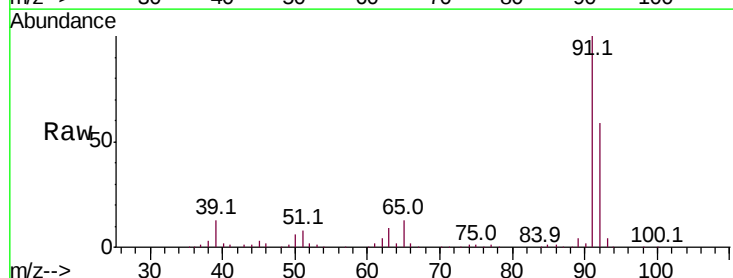
Acq: 15 Aug 2019 17:00

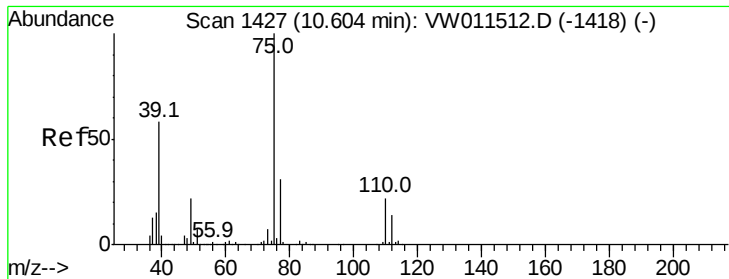
Tgt Ion: 92 Resp: 126572

Ion Ratio Lower Upper

92 100

91 171.6 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.150 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

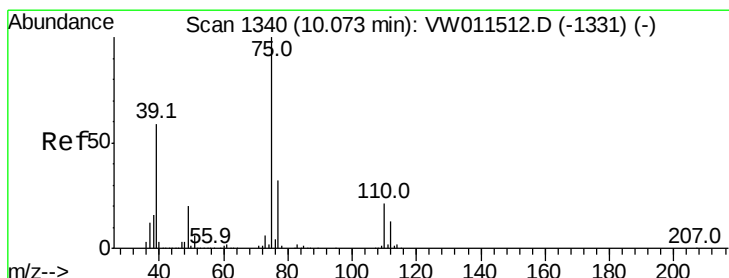
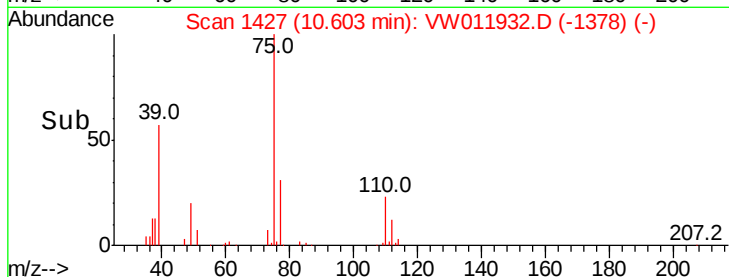
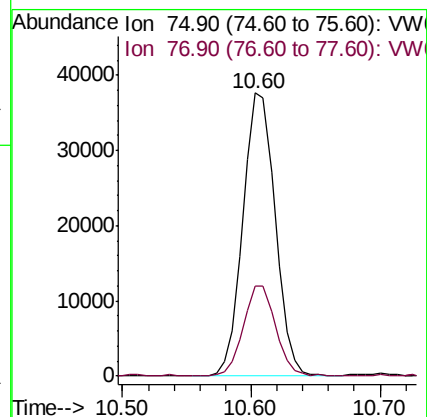
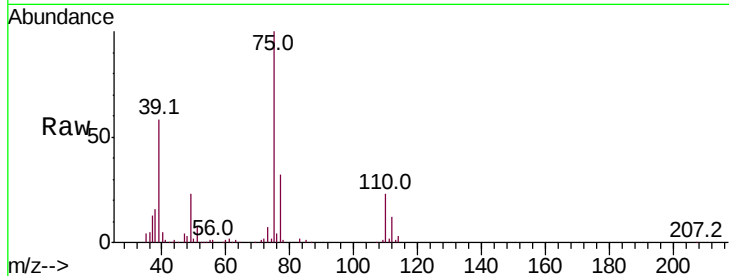
ClientSampleId :

Tot Ion: 75 Resp: 65464

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.357 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

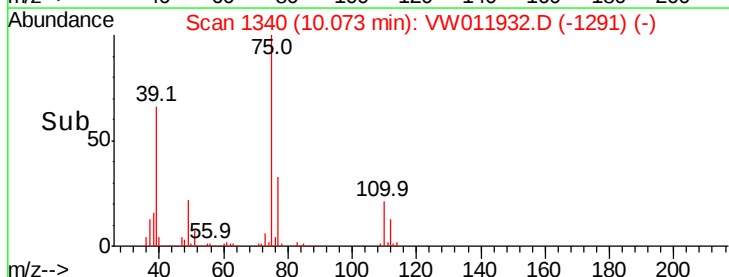
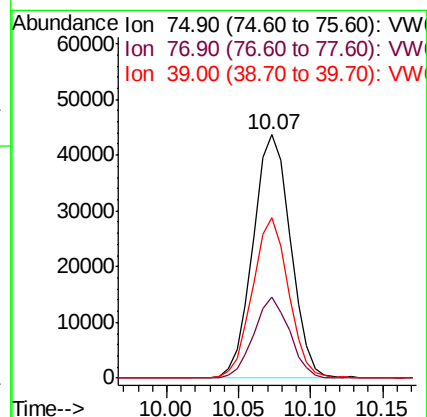
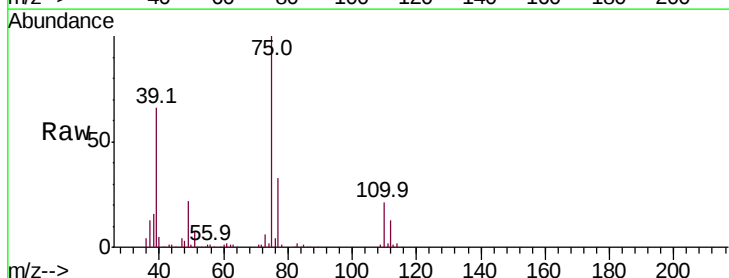
Tgt Ion: 75 Resp: 78637

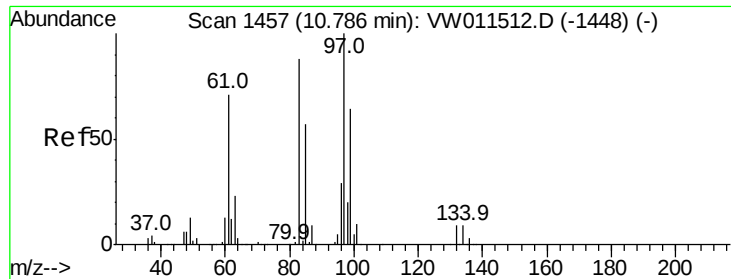
Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

39 65.7 47.0 70.4

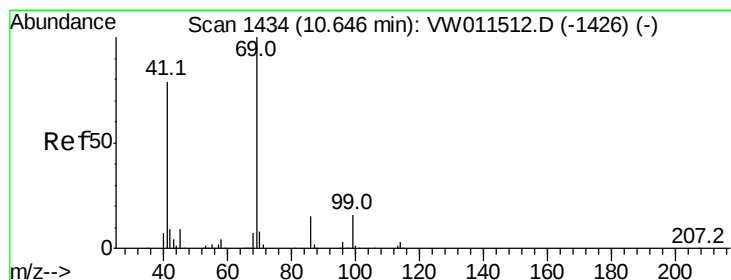
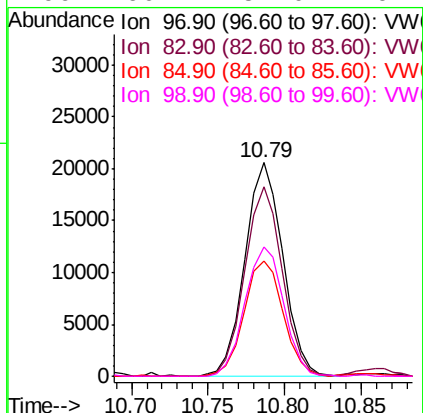
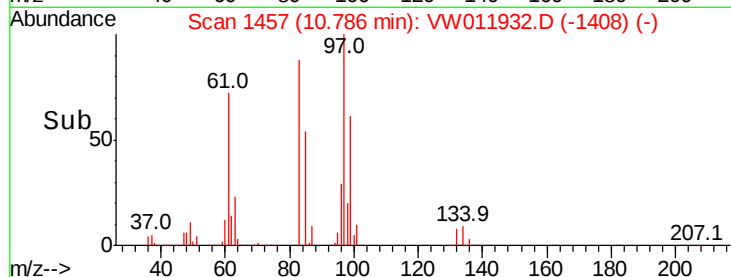
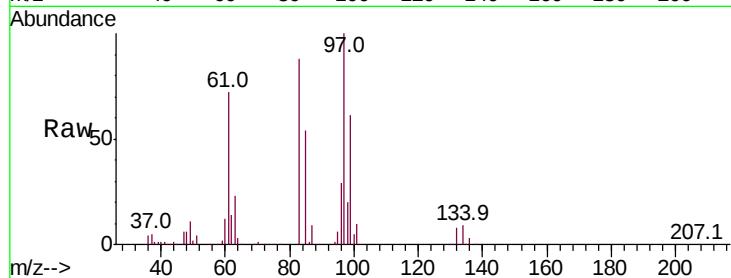




#55
 1,1,2-Trichloroethane
 Concen: 21.106 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

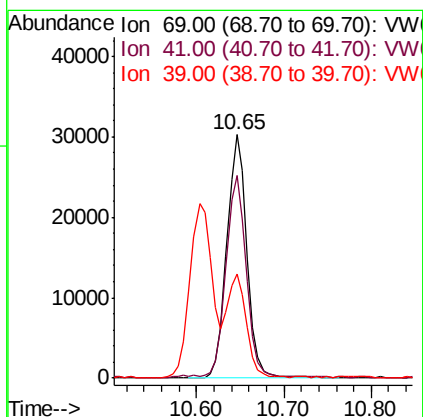
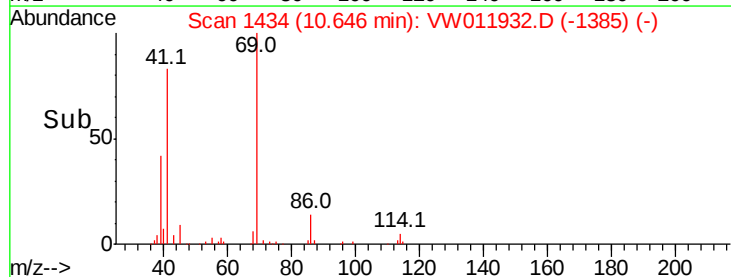
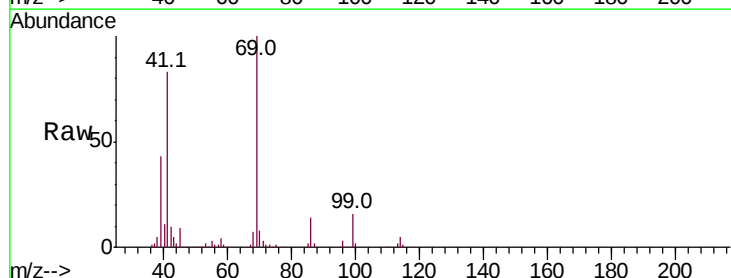
Instrument :
 MSVOA_W
 ClientSampleId :

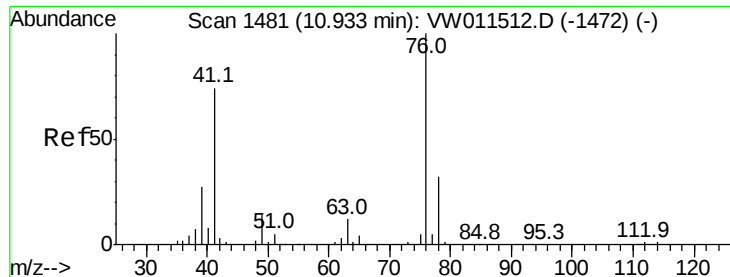
Tot Ion:	97	Resp:	35506
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.5	105.7
85	54.2	45.8	68.6
99	60.7	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 19.603 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion:	69	Resp:	48256
Ion	Ratio	Lower	Upper
69	100		
41	85.5	66.6	99.8
39	40.4	30.3	45.5





#57

1,3-Dichloropropane

Concen: 20.952 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

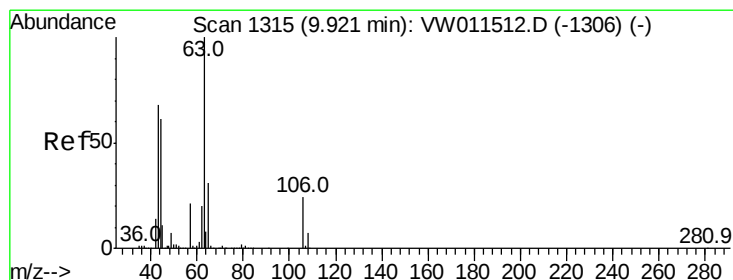
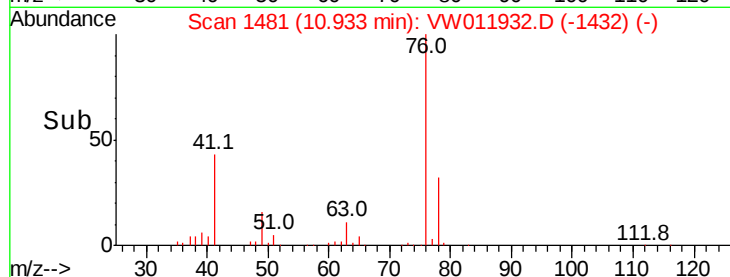
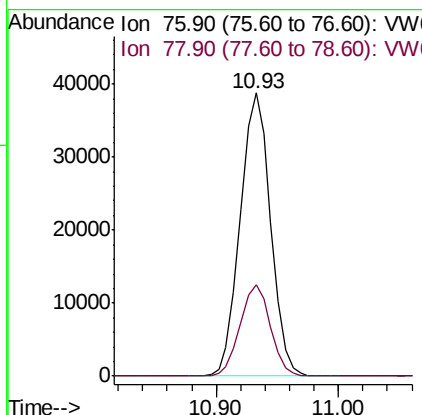
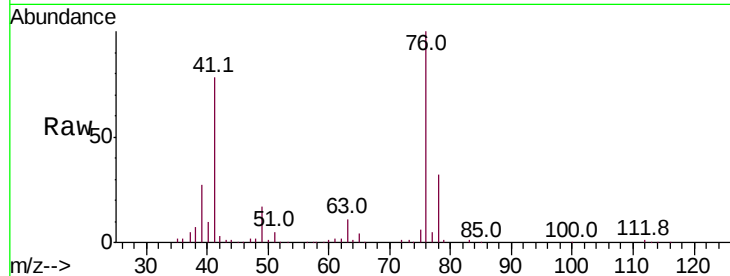
Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 66683

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.2	37.8



#58

2-Chloroethyl Vinyl ether

Concen: 115.723 ug/l

RT: 9.93 min Scan# 1316

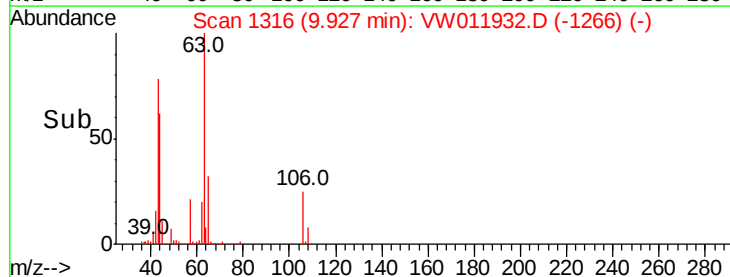
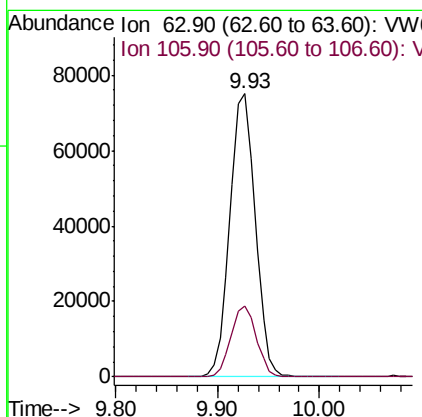
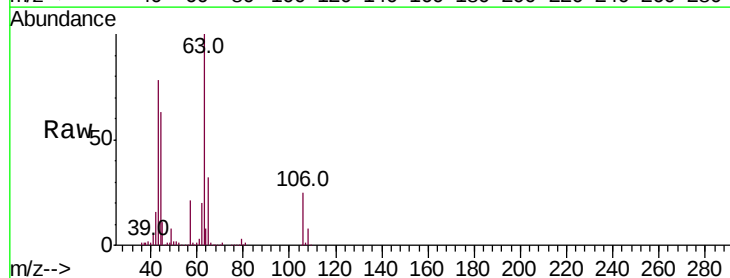
Delta R.T. 0.01 min

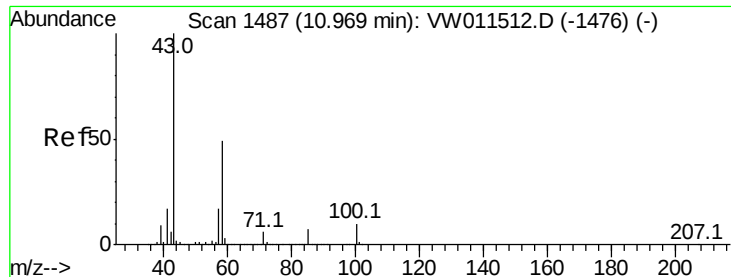
Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion: 63 Resp: 129344

Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.7	29.5

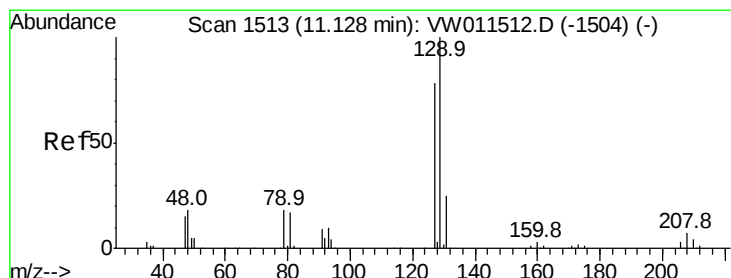
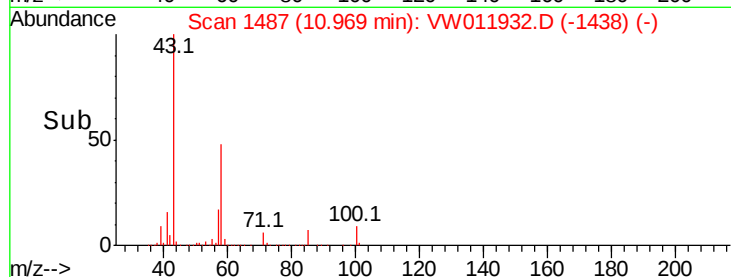
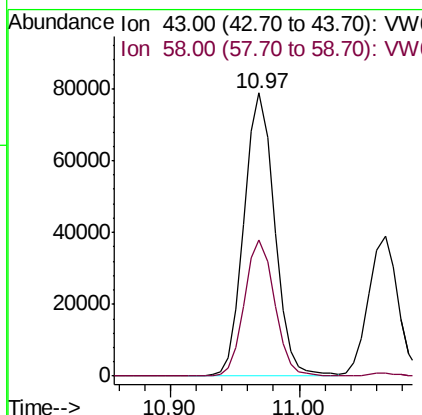
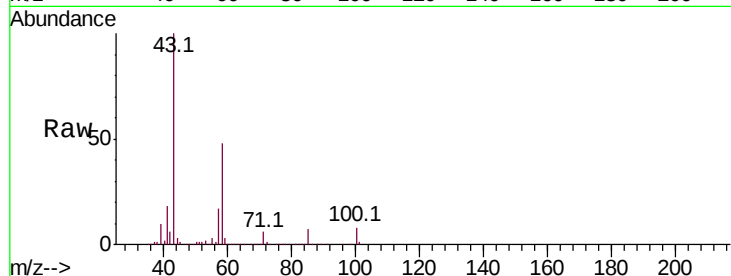




#59
2-Hexanone
Concen: 95.878 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

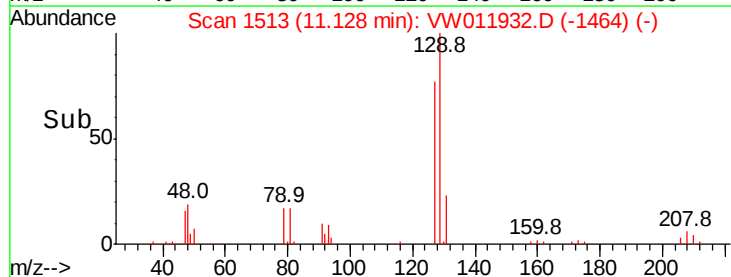
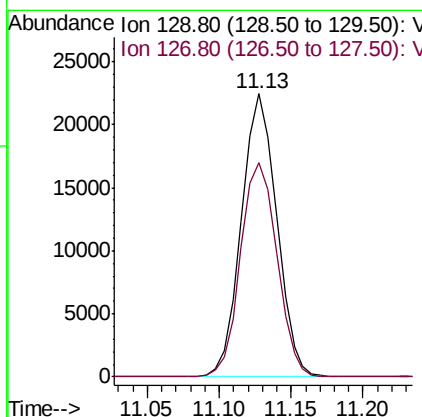
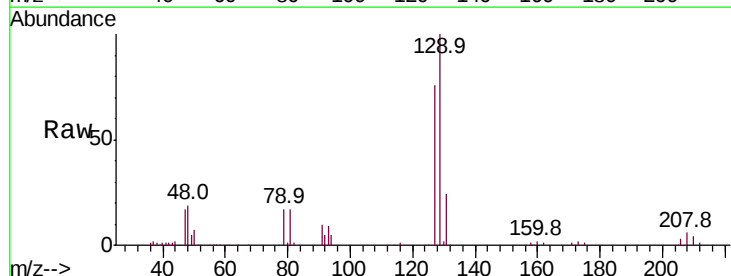
Instrument :
MSVOA_W
ClientSampleId :

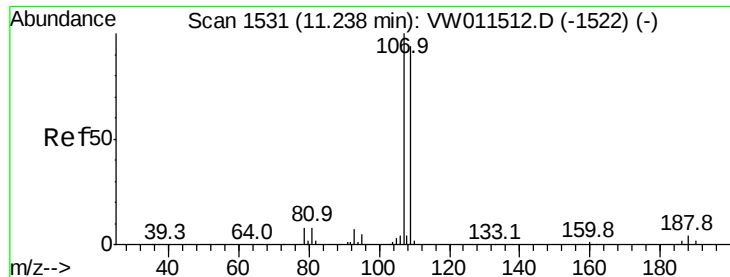
Tot Ion: 43 Resp: 129136
Ion Ratio Lower Upper
43 100
58 47.7 24.3 72.9



#60
Dibromochloromethane
Concen: 20.456 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 129 Resp: 38199
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

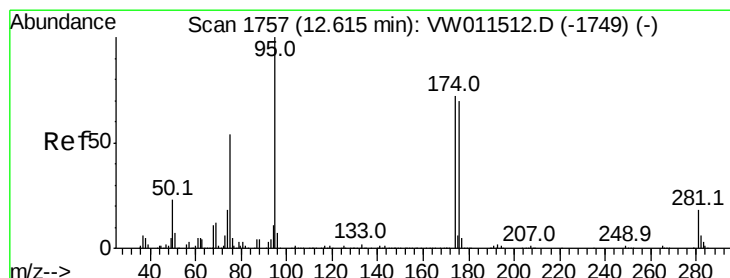
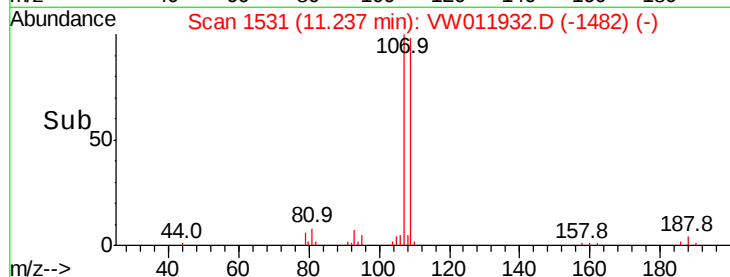
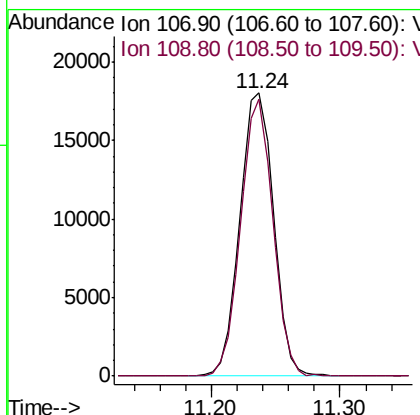
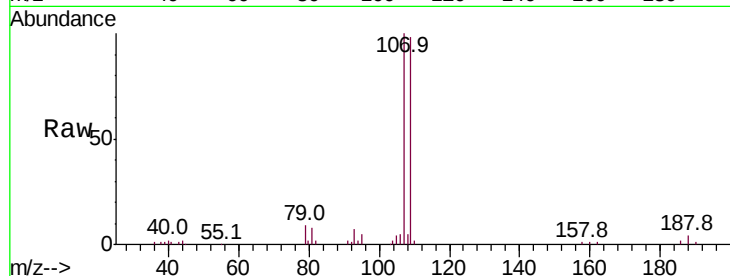




#61
 1,2-Dibromoethane
 Concen: 20.478 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

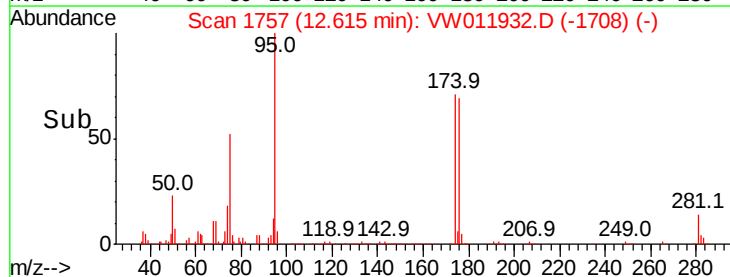
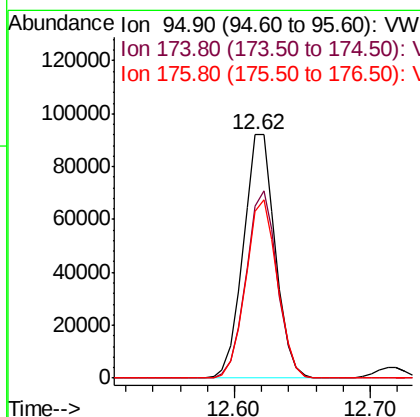
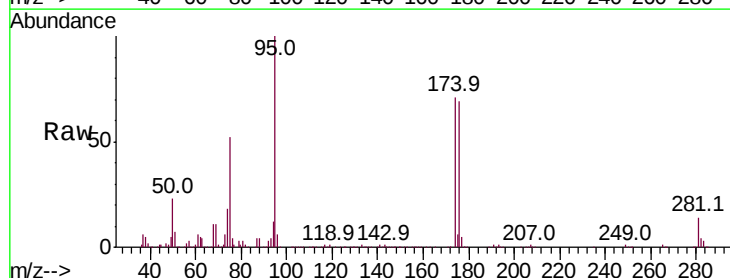
Instrument :
 MSVOA_W
 ClientSampleId :

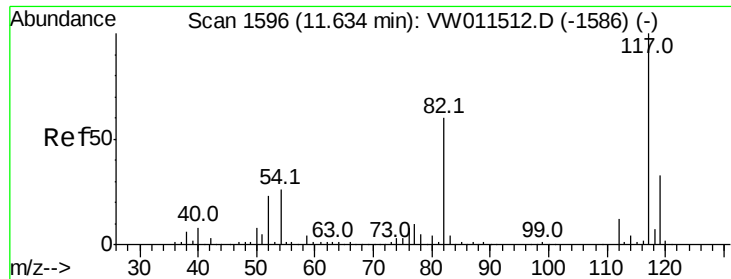
Tot Ion:107 Resp: 32601
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 55.198 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion: 95 Resp: 150678
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.2
 176 73.0 0.0 144.4

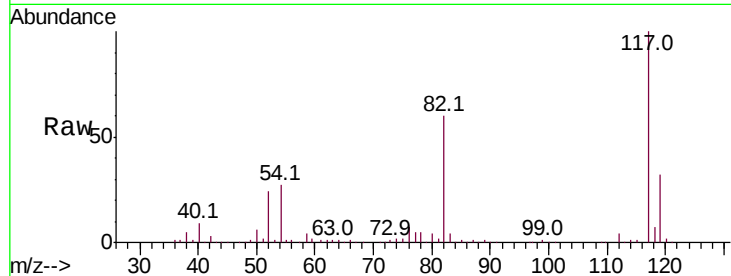




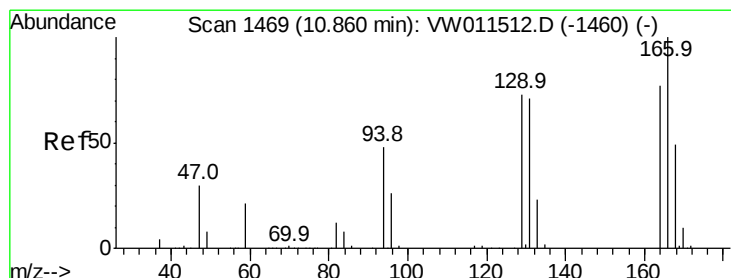
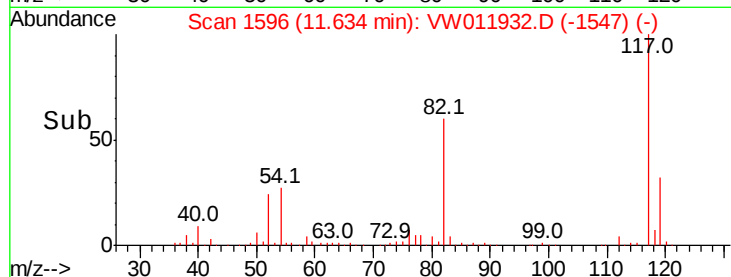
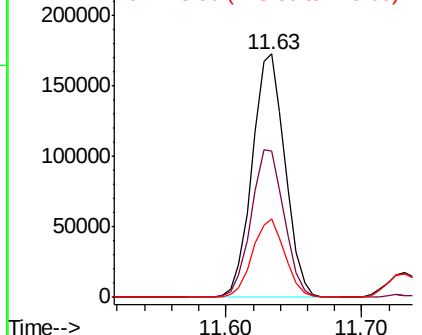
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 292598
Ion Ratio Lower Upper
117 100
82 60.2 47.9 71.9
119 32.5 26.2 39.2

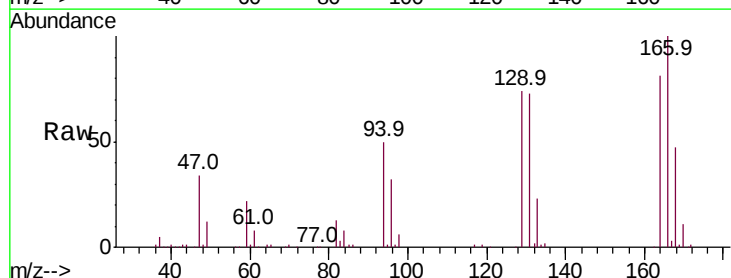


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

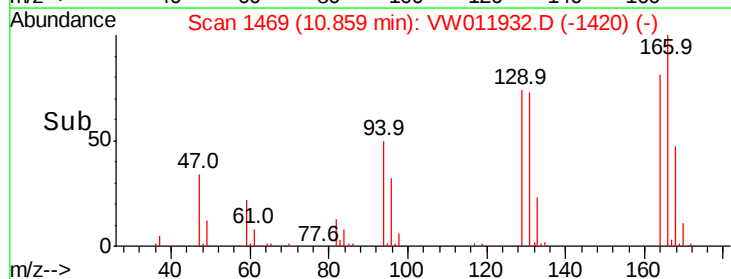
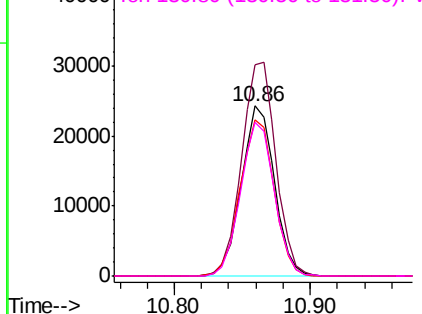


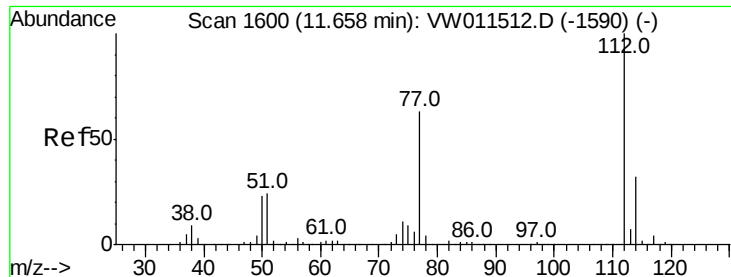
#64
Tetrachloroethene
Concen: 21.721 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion:164 Resp: 41382
Ion Ratio Lower Upper
164 100
166 123.9 103.5 155.3
129 91.8 75.2 112.8
131 90.5 73.4 110.2



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

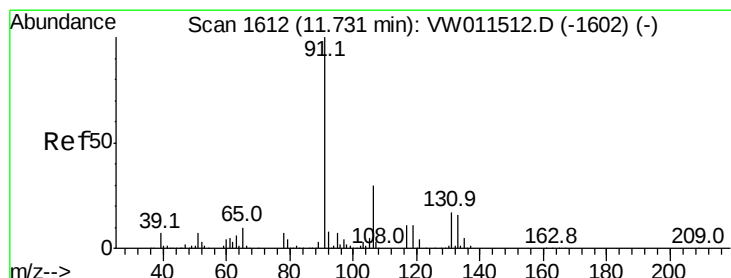
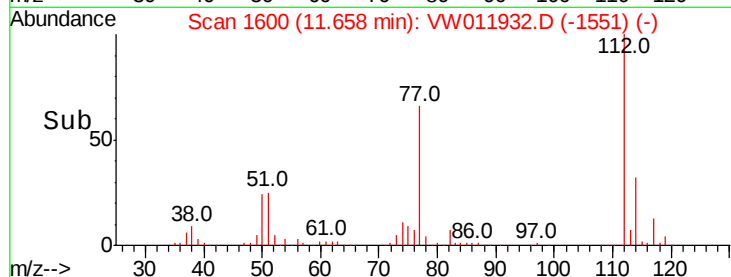
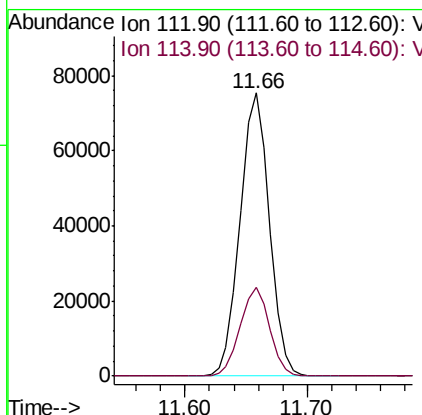
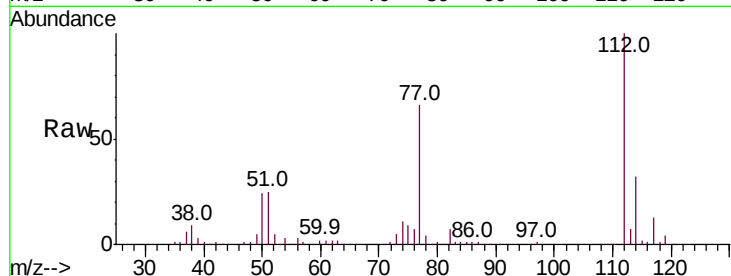




#65
Chlorobenzene
Concen: 21.320 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

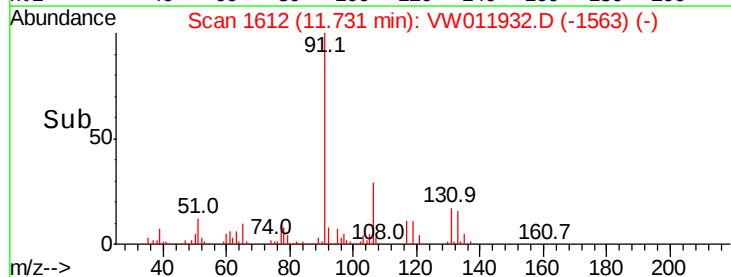
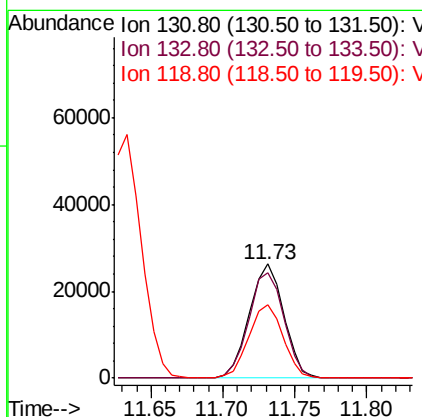
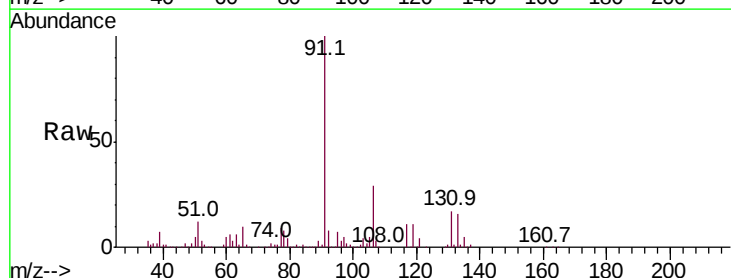
Instrument :
MSVOA_W
ClientSampleId :

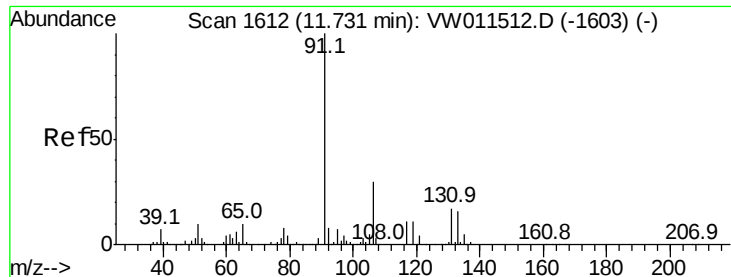
Tot Ion:112 Resp: 125419
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.195 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion:131 Resp: 43430
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 64.5 32.3 96.9





#67

Ethyl Benzene

Concen: 21.497 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

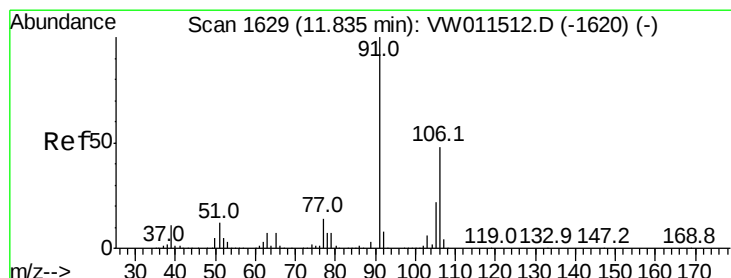
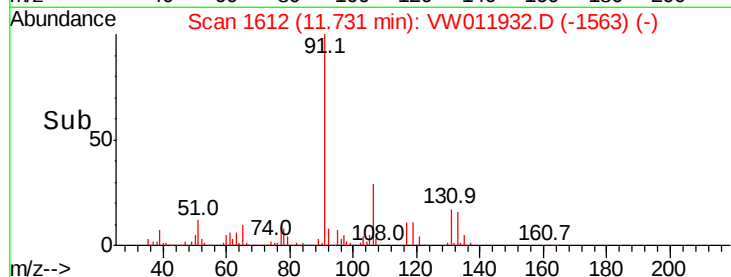
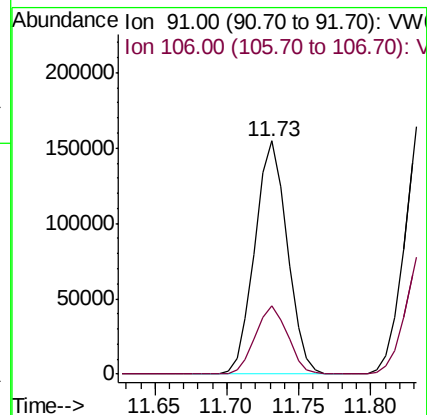
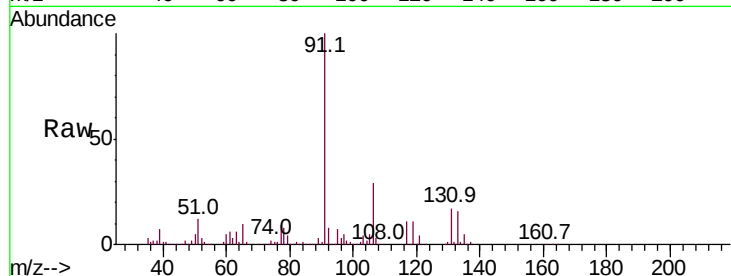
ClientSampled :

Tot Ion: 91 Resp: 240847

Ion Ratio Lower Upper

91 100

106 29.3 23.8 35.6



#68

m/p-Xylenes

Concen: 43.118 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011932.D

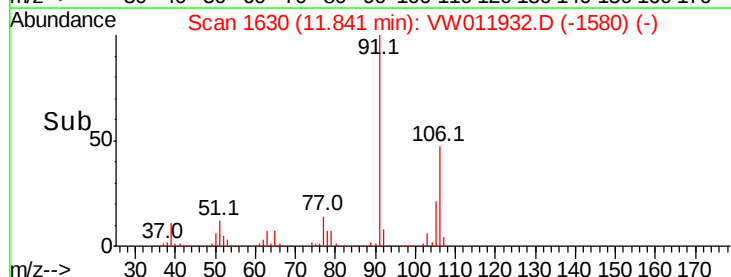
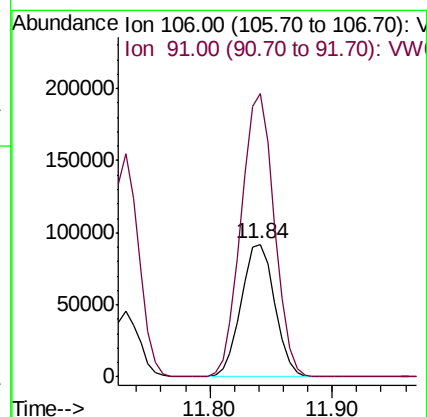
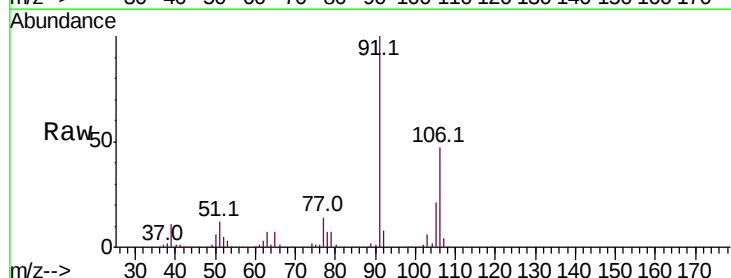
Acq: 15 Aug 2019 17:00

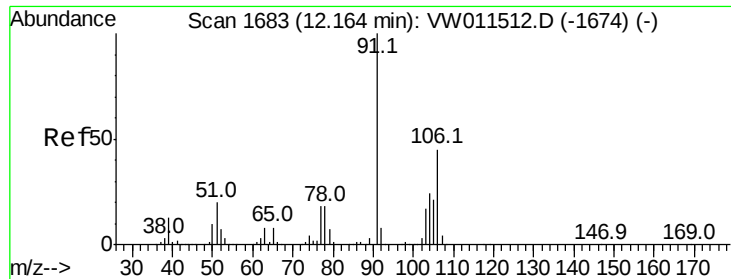
Tgt Ion: 106 Resp: 175683

Ion Ratio Lower Upper

106 100

91 210.6 168.2 252.2

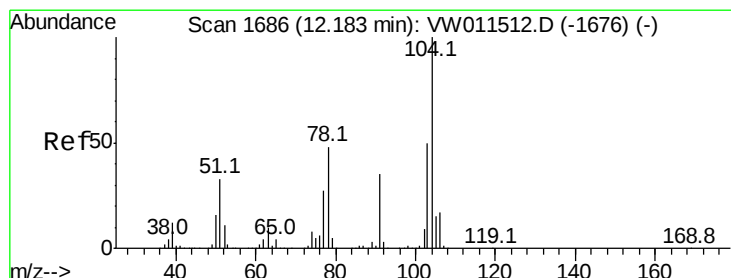
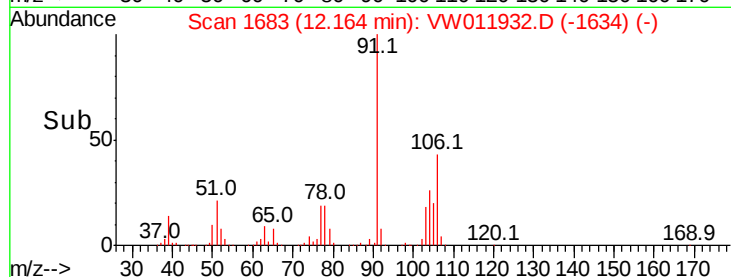
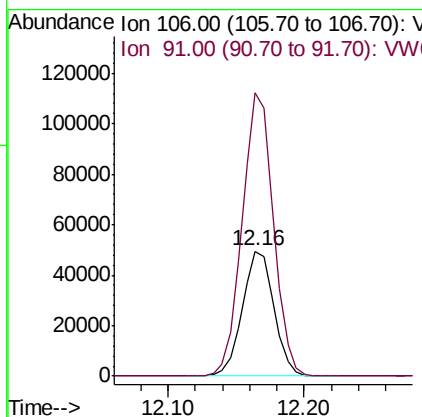
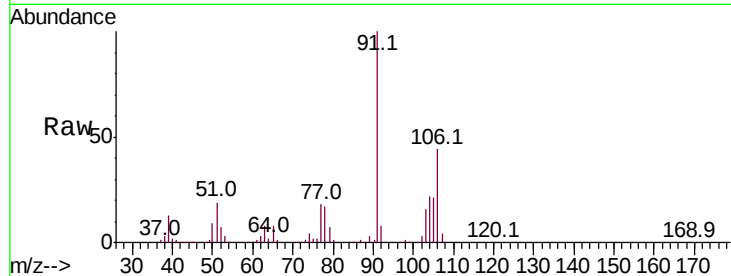




#69
o-Xylene
Concen: 21.200 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

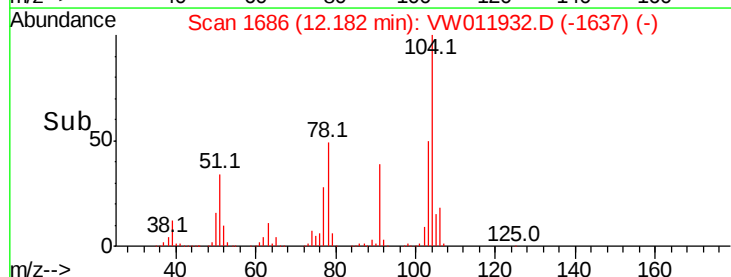
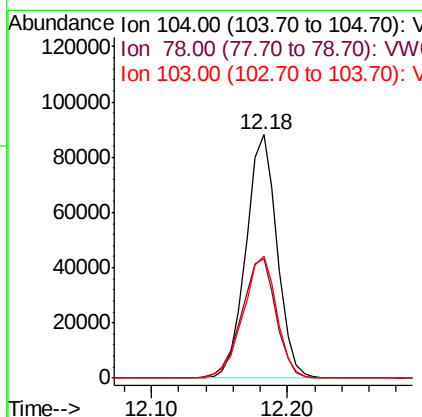
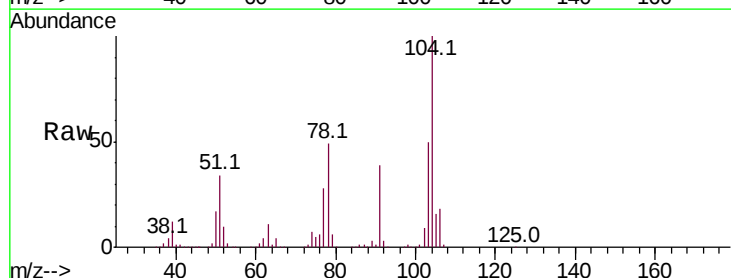
Instrument :
MSVOA_W
ClientSampleId :

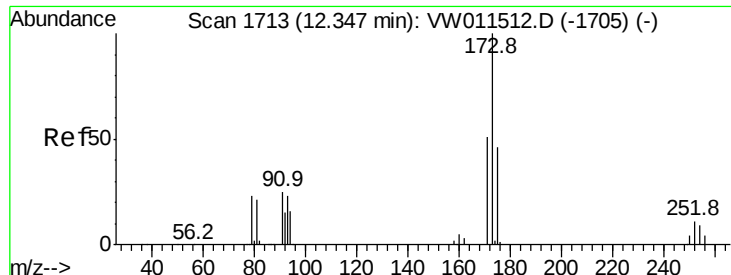
Tot Ion:106 Resp: 80266
Ion Ratio Lower Upper
106 100
91 225.0 110.5 331.5



#70
Styrene
Concen: 21.543 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion:104 Resp: 141028
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.0
103 54.1 43.9 65.9





#71

Bromoform

Concen: 19.840 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

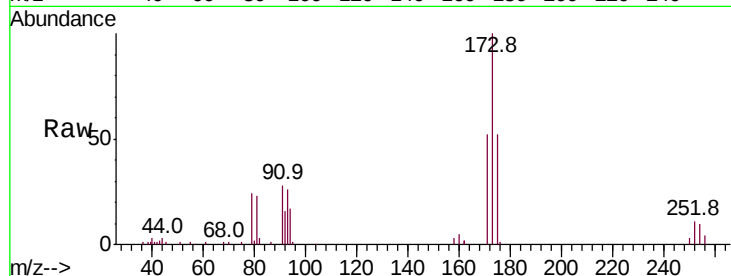
Tot Ion:173 Resp: 20728

Ion Ratio Lower Upper

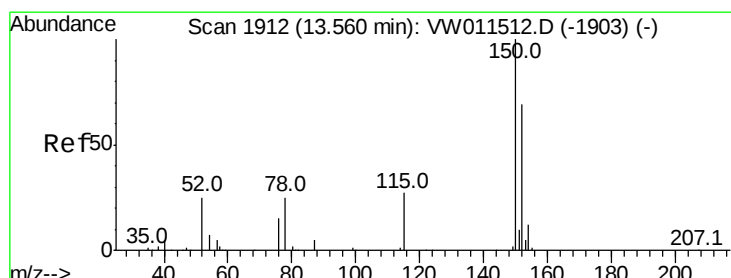
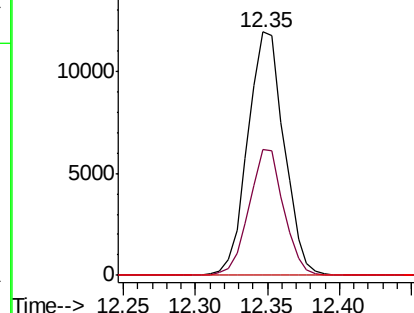
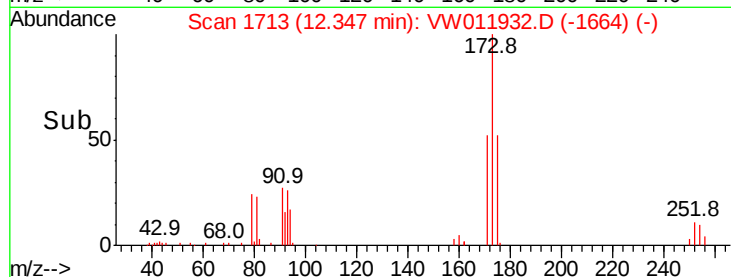
173 100

175 49.3 23.6 71.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

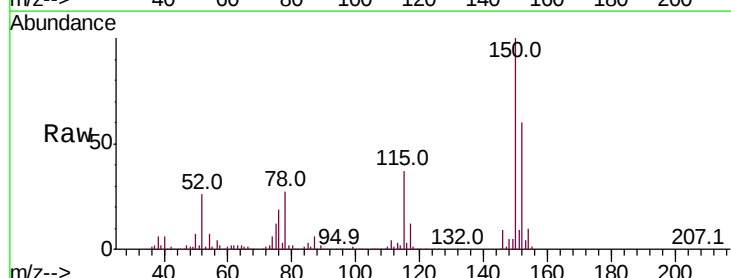
Tgt Ion:152 Resp: 143051

Ion Ratio Lower Upper

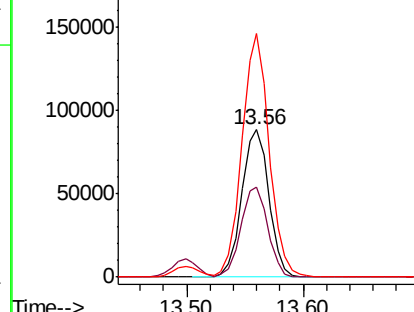
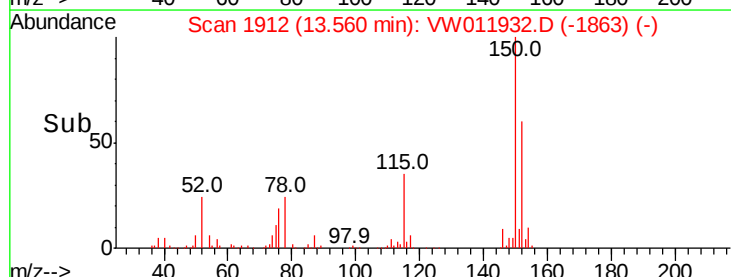
152 100

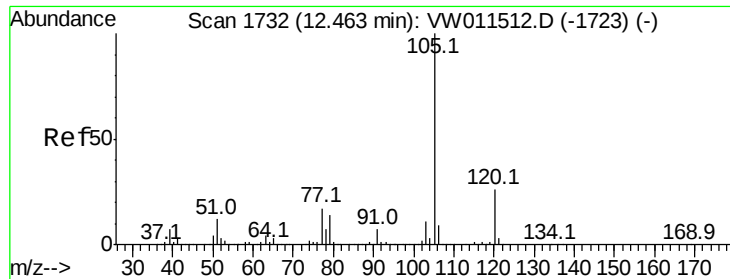
115 60.6 30.5 91.5

150 165.6 0.0 352.6



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





#73

Isopropylbenzene

Concen: 21.039 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

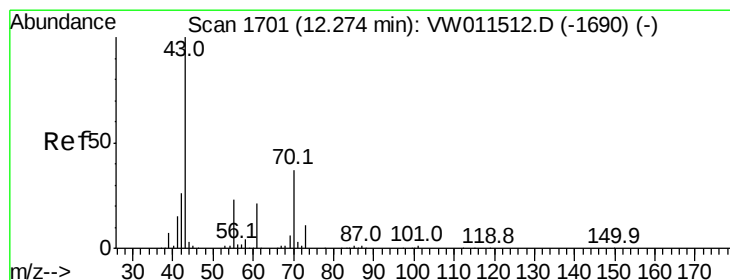
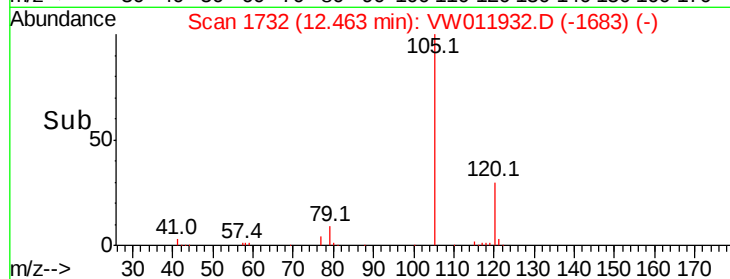
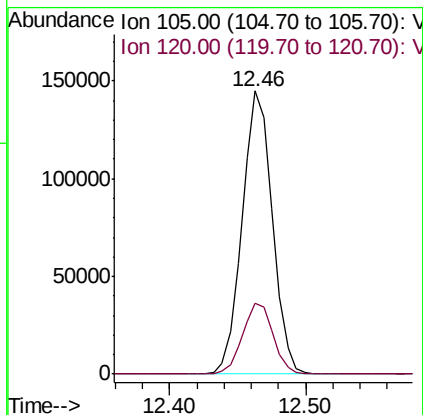
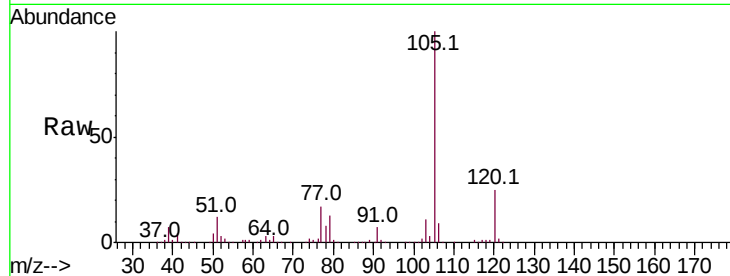
ClientSampleId :

Tot Ion:105 Resp: 224528

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



#74

N-ethyl acetate

Concen: 19.717 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion: 43 Resp: 65878

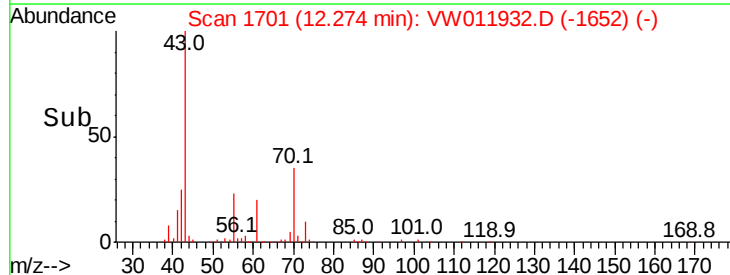
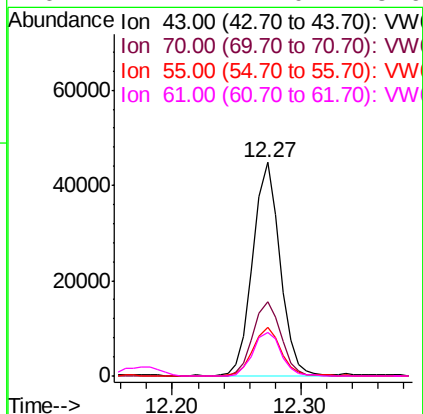
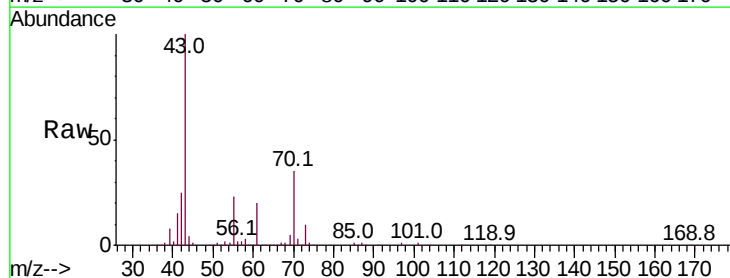
Ion Ratio Lower Upper

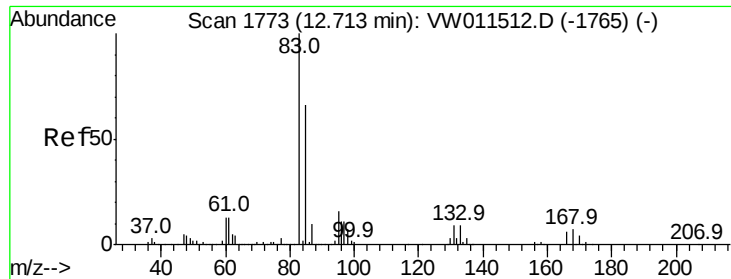
43 100

70 35.8 28.6 43.0

55 23.7 17.8 26.8

61 21.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.461 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

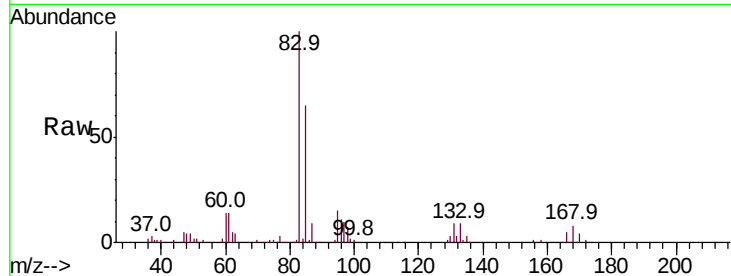
Tot Ion: 83 Resp: 41073

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

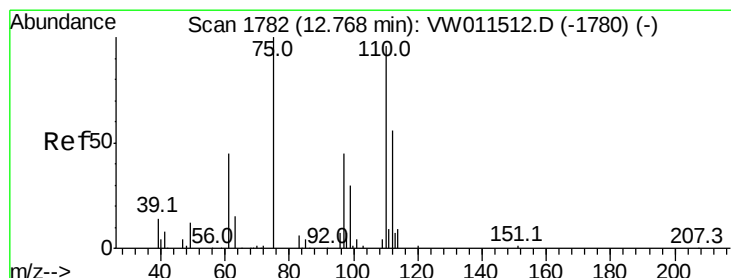
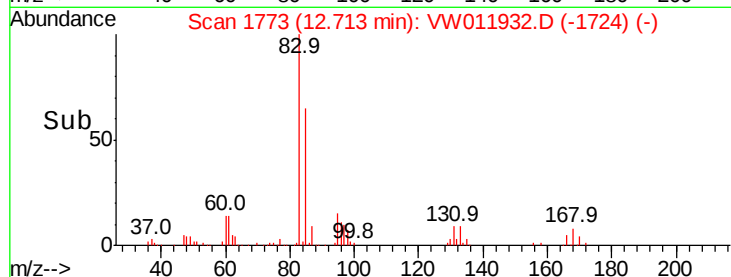
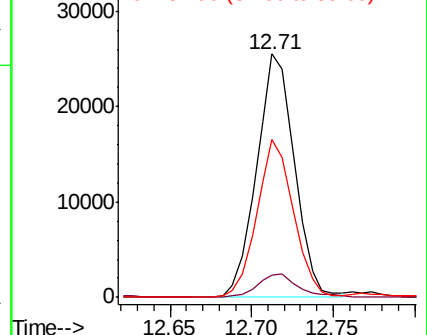
85 63.0 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.504 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011932.D

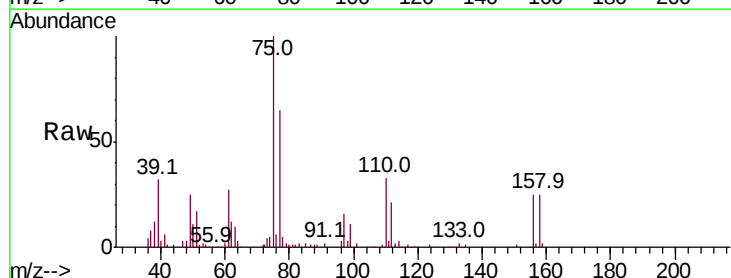
Acq: 15 Aug 2019 17:00

Tgt Ion: 75 Resp: 53741

Ion Ratio Lower Upper

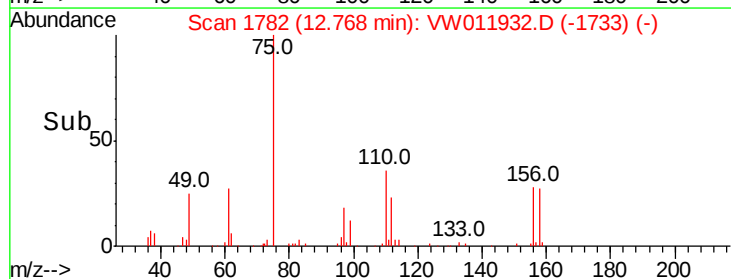
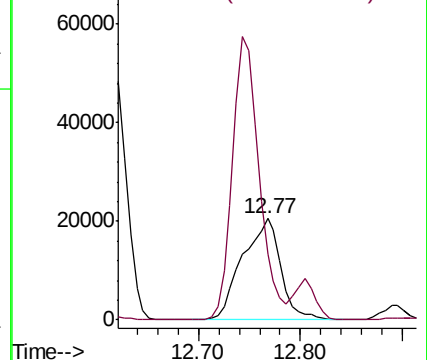
75 100

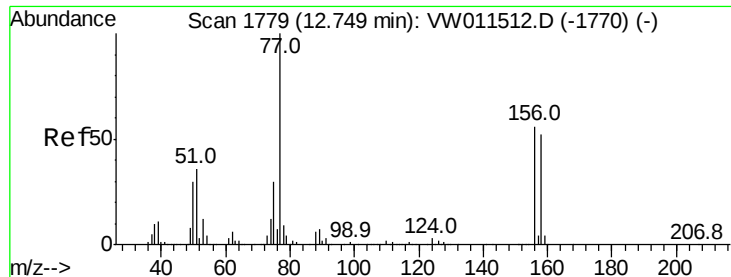
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.843 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

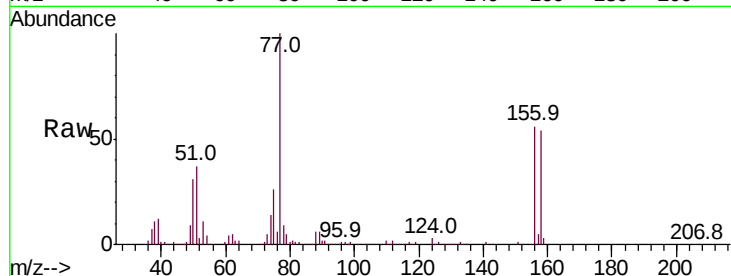
Tot Ion:156 Resp: 49166

Ion Ratio Lower Upper

156 100

77 212.6 106.5 319.4

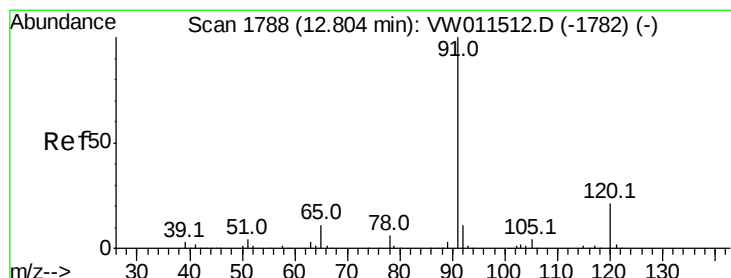
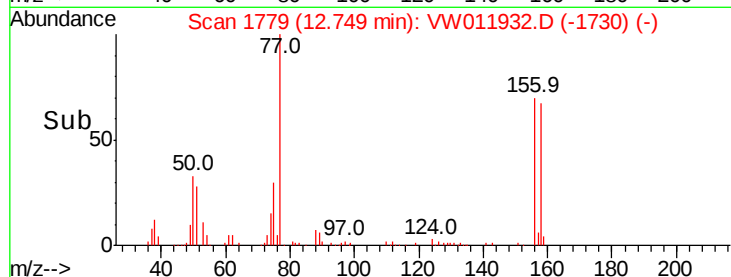
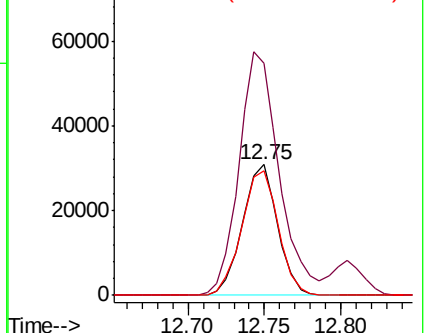
158 99.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.332 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011932.D

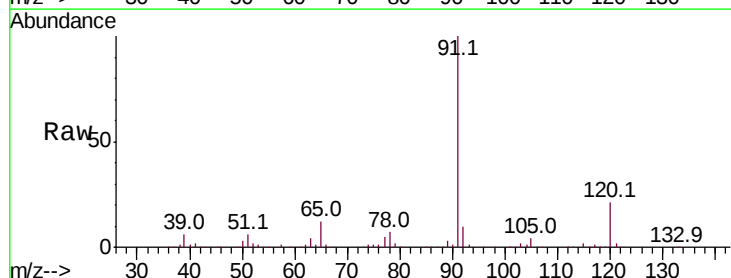
Acq: 15 Aug 2019 17:00

Tgt Ion: 91 Resp: 277059

Ion Ratio Lower Upper

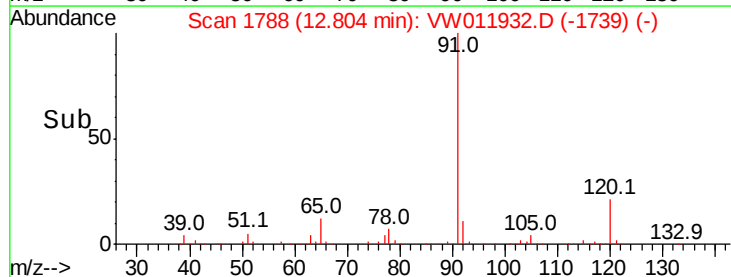
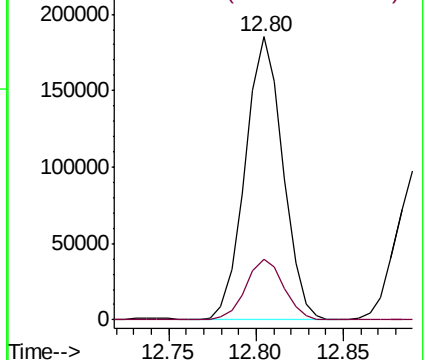
91 100

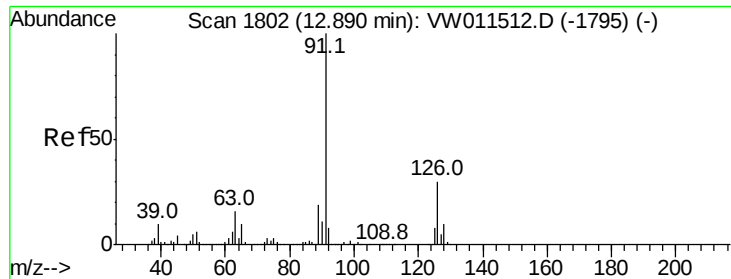
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

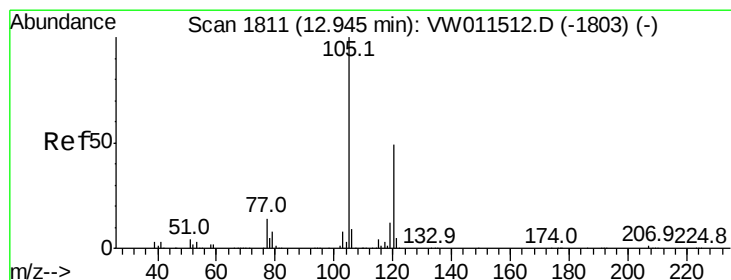
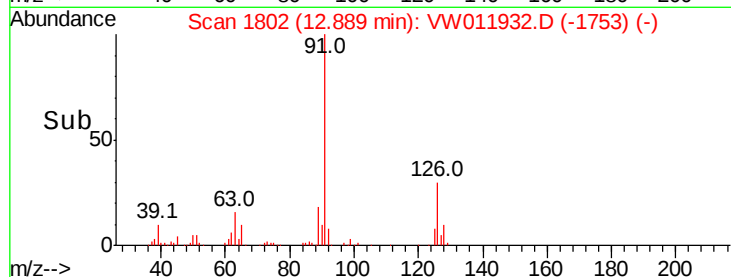
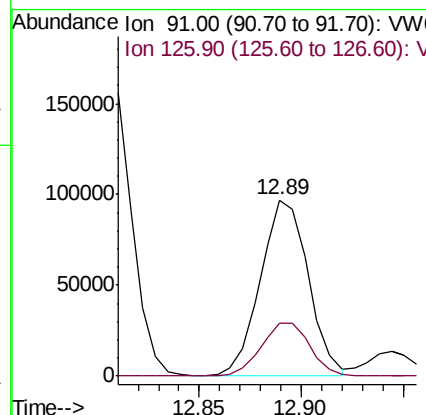
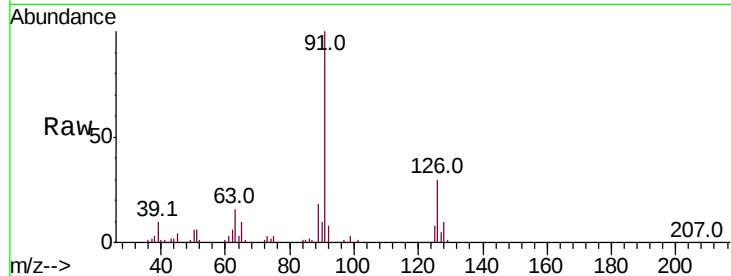




#79
 2-Chlorotoluene
 Concen: 21.165 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

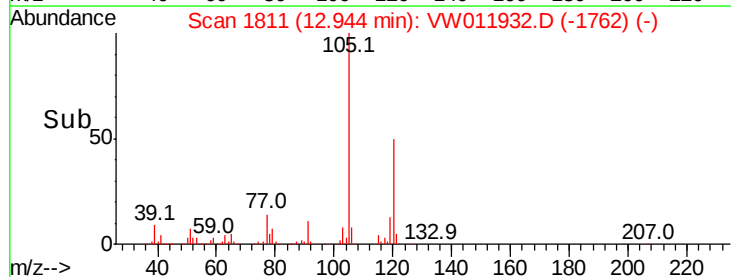
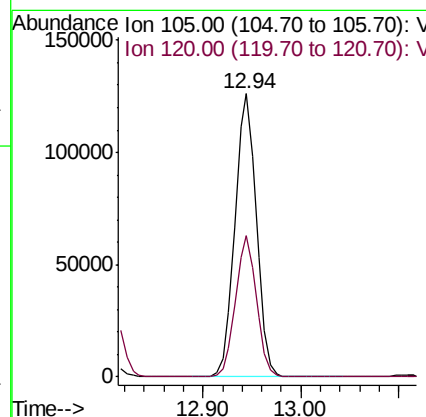
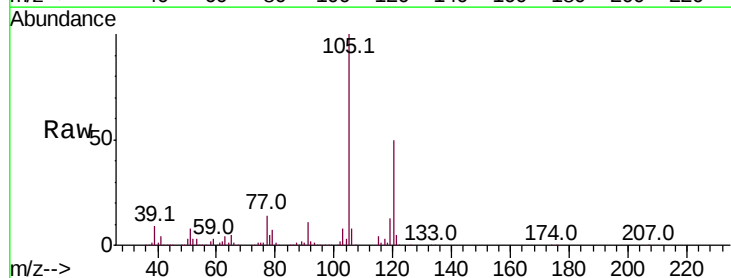
Instrument :
 MSVOA_W
 ClientSampleId :

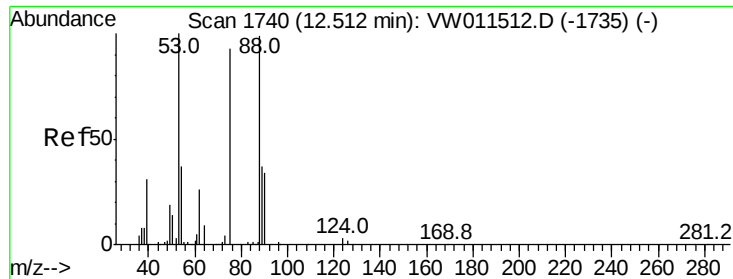
Tot Ion: 91 Resp: 158363
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.448 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion:105 Resp: 191869
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.868 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

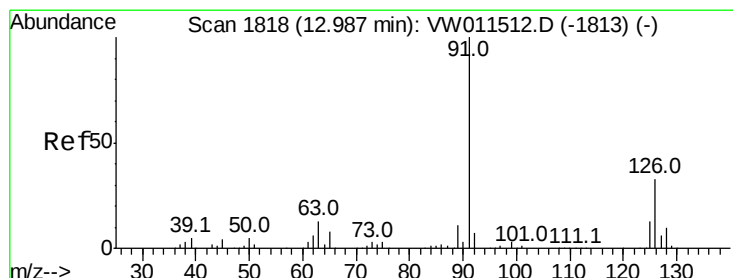
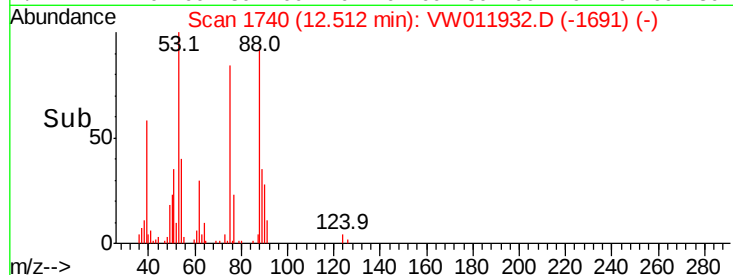
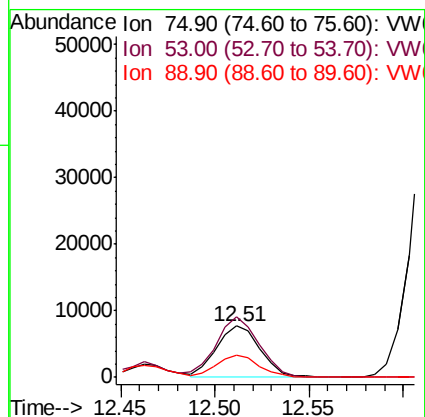
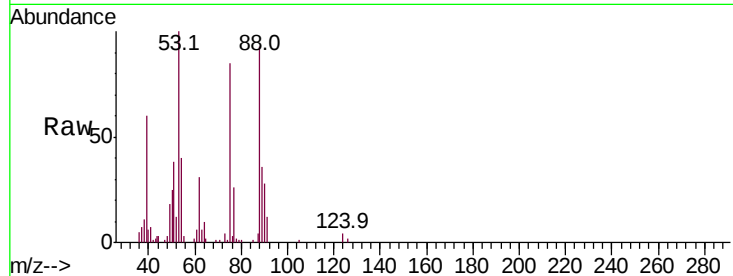
Tot Ion: 75 Resp: 12392

Ion Ratio Lower Upper

75 100

53 117.5 88.0 132.0

89 41.7 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.195 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011932.D

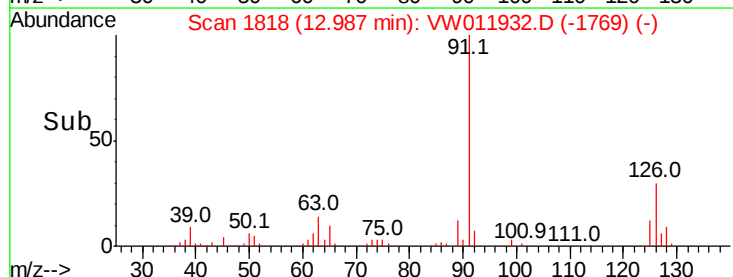
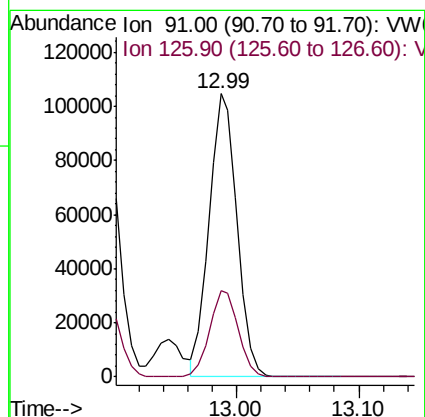
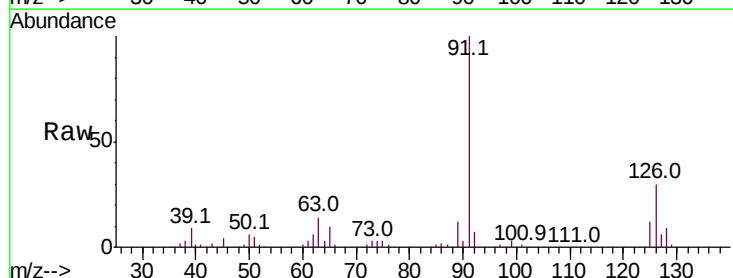
Acq: 15 Aug 2019 17:00

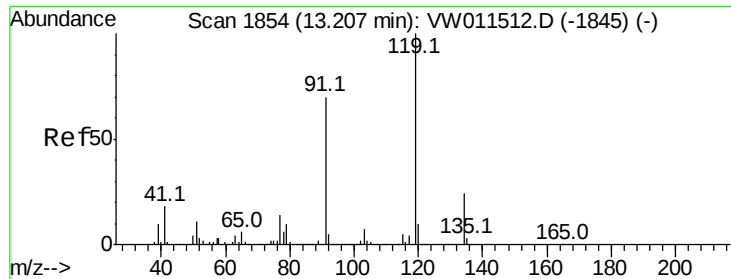
Tgt Ion: 91 Resp: 166390

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

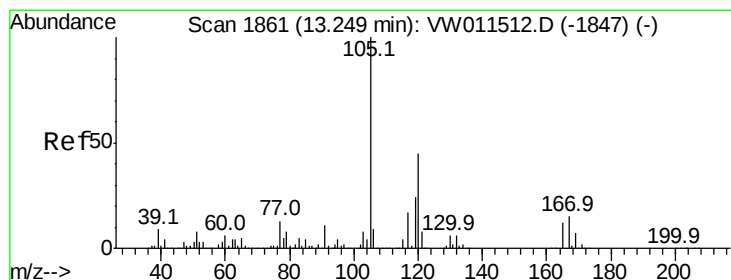
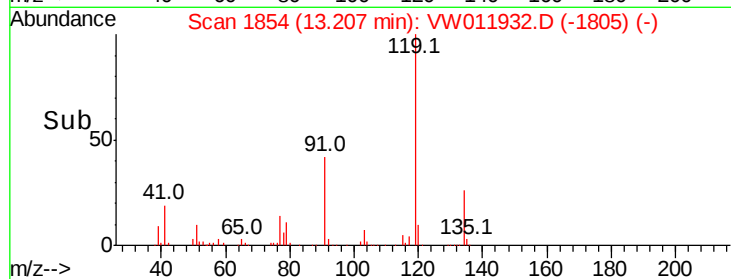
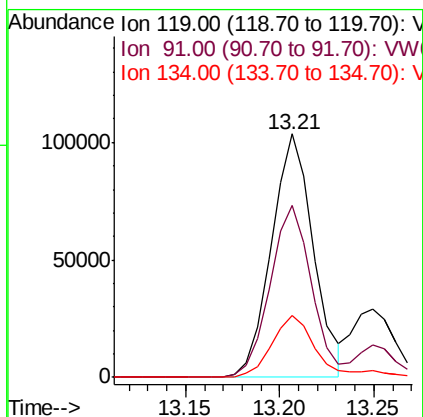
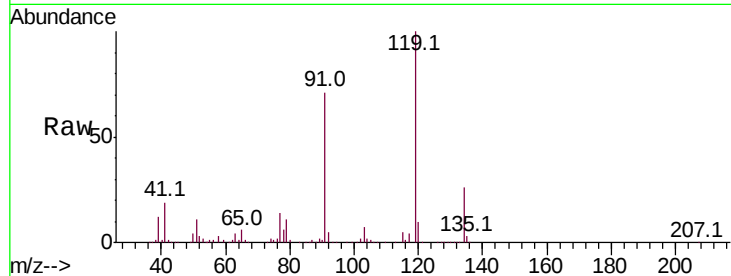




#83
tert-Butylbenzene
Concen: 21.397 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

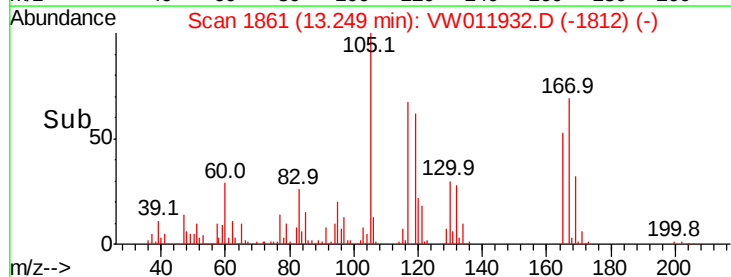
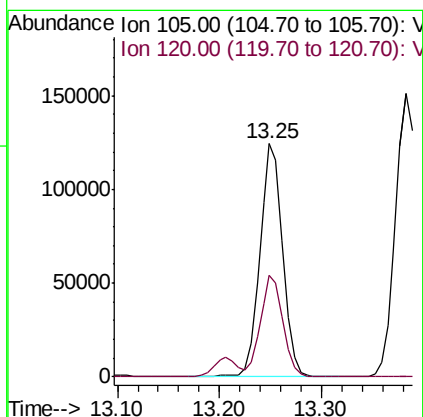
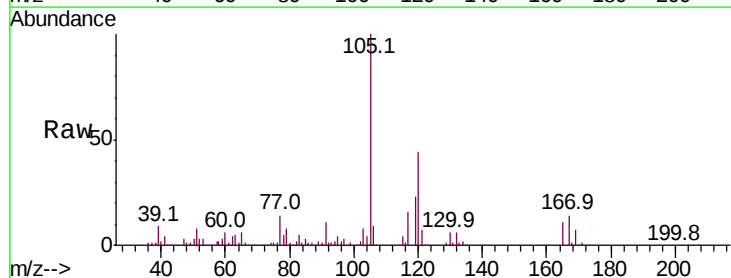
Instrument :
MSVOA_W
ClientSampleId :

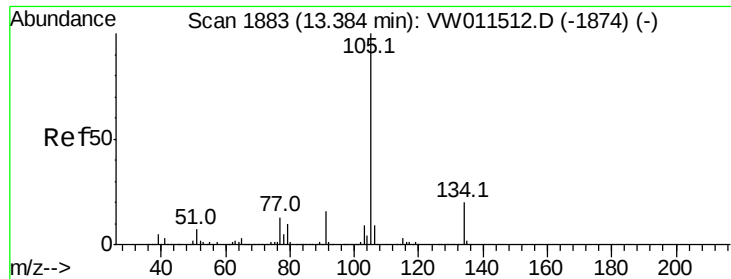
Tot Ion:119 Resp: 160066
Ion Ratio Lower Upper
119 100
91 69.5 34.5 103.6
134 25.4 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 21.460 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion:105 Resp: 193387
Ion Ratio Lower Upper
105 100
120 43.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.520 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

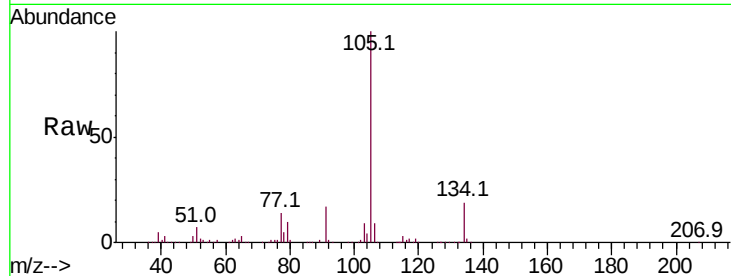
ClientSampleId :

Tot Ion:105 Resp: 229714

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

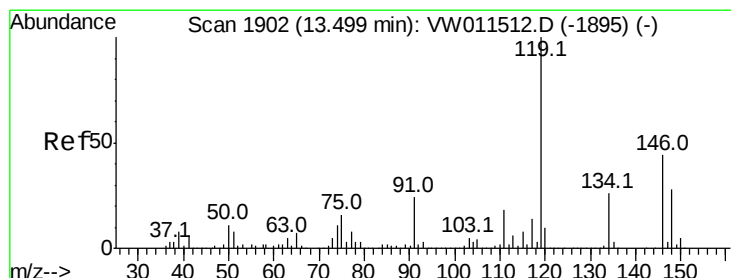
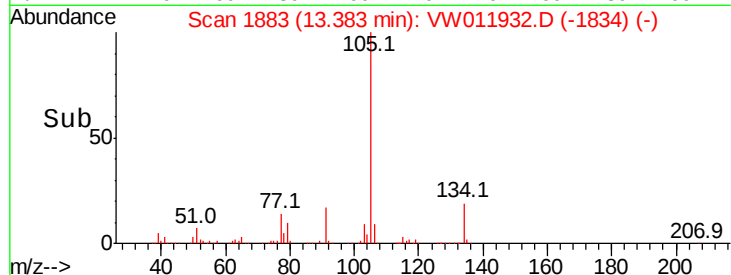
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.514 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

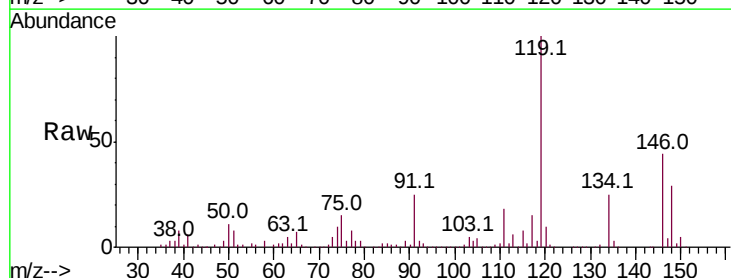
Tgt Ion:119 Resp: 208359

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.6 12.1 36.3



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

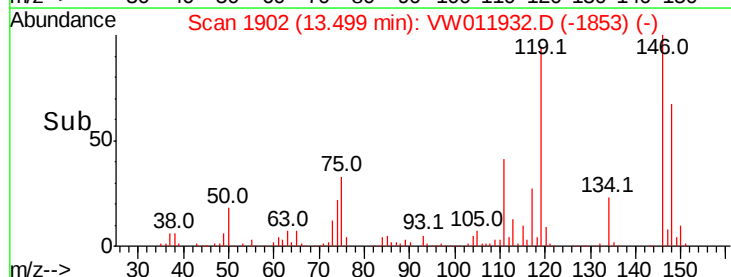
150000

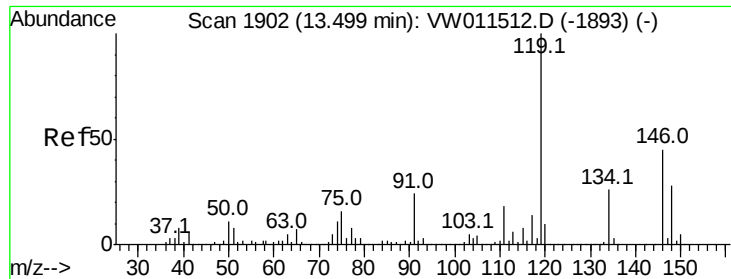
100000

50000

0

Time-->

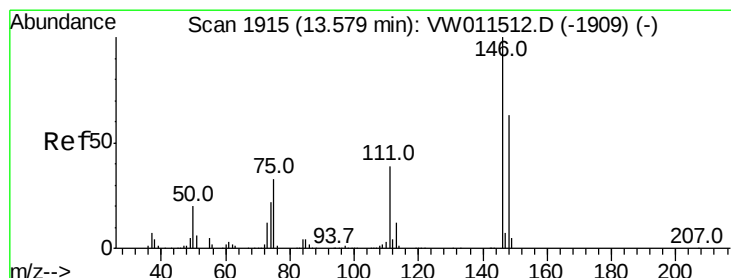
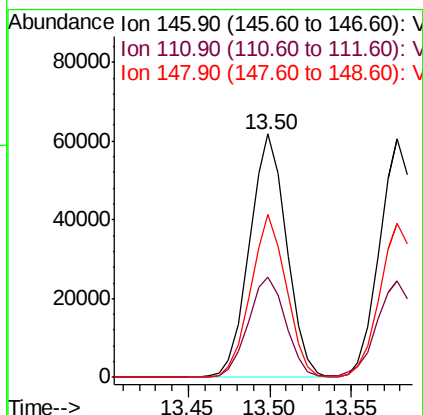
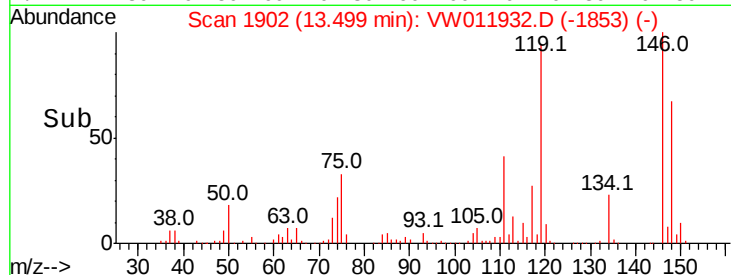
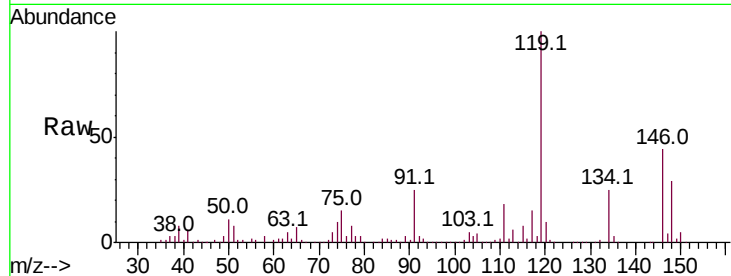




#87
 1,3-Dichlorobenzene
 Concen: 21.165 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

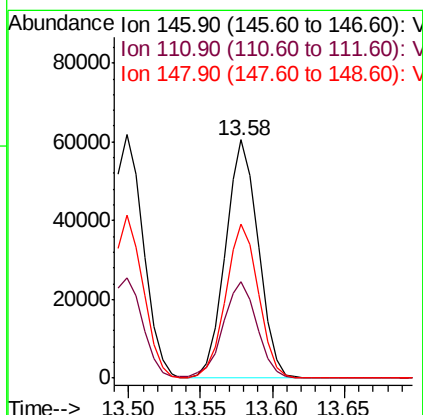
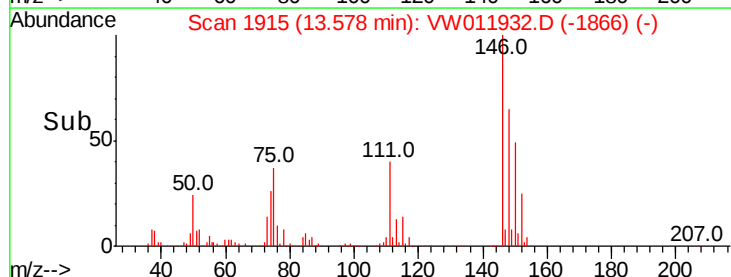
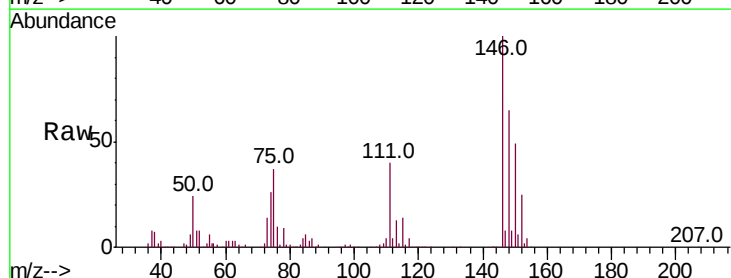
Instrument :
 MSVOA_W
 ClientSampled :

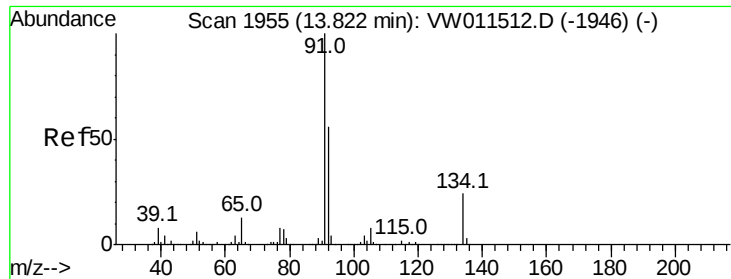
Tot Ion:146 Resp: 97891
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.5 61.6
 148 64.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.965 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion:146 Resp: 96458
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.1 60.2
 148 64.6 31.9 95.9





#89

n-Butylbenzene

Concen: 21.291 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

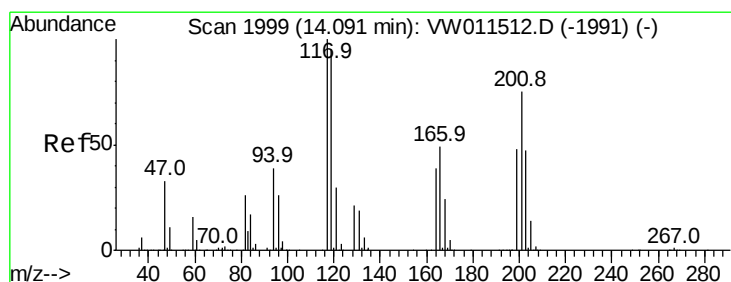
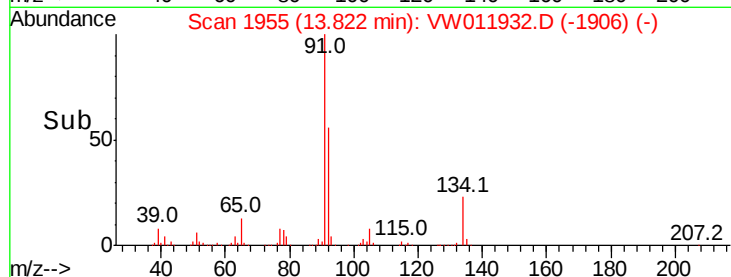
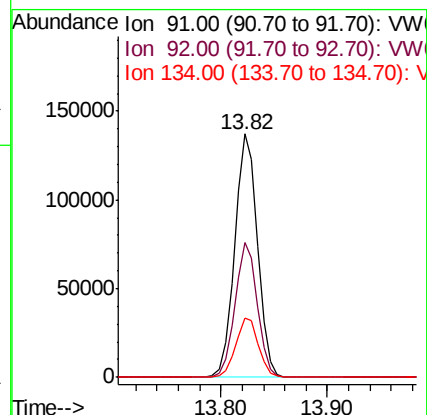
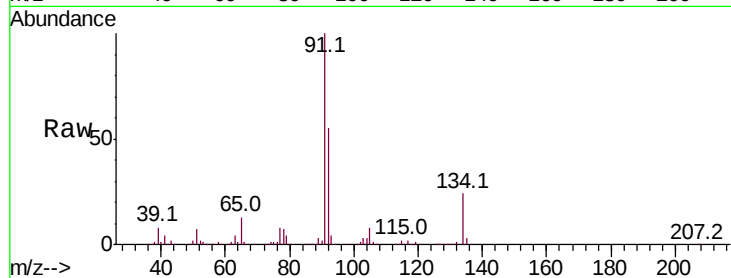
Tot Ion: 91 Resp: 205777

Ion Ratio Lower Upper

91 100

92 54.0 27.5 82.4

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 21.209 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011932.D

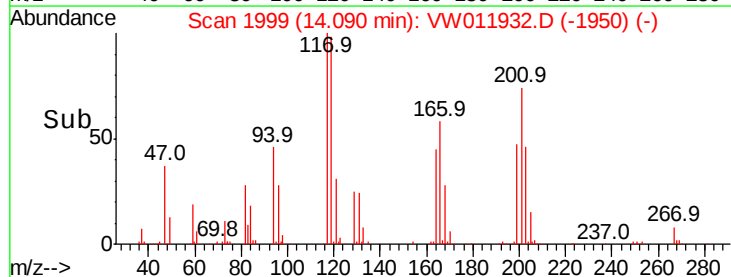
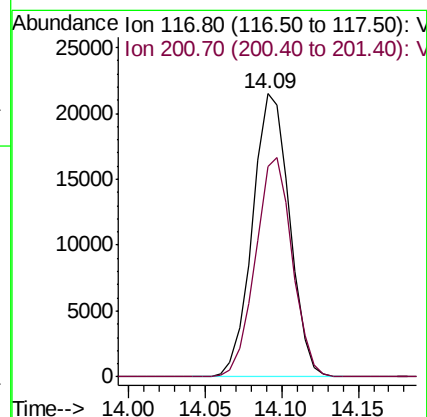
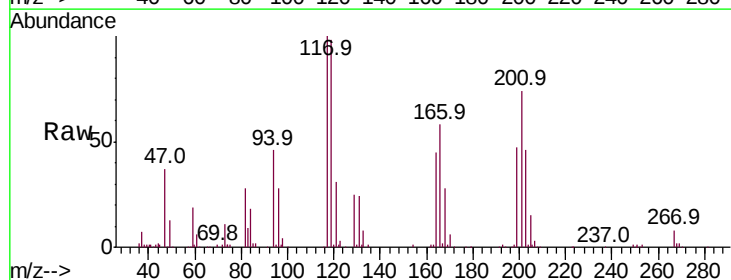
Acq: 15 Aug 2019 17:00

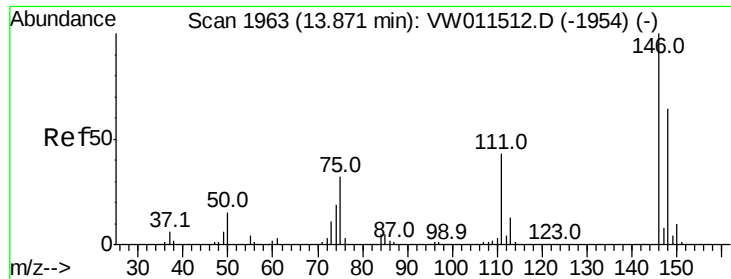
Tgt Ion: 117 Resp: 36321

Ion Ratio Lower Upper

117 100

201 76.9 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 21.091 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

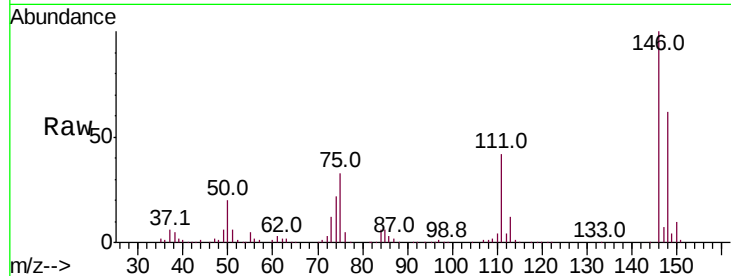
Tot Ion:146 Resp: 86276

Ion Ratio Lower Upper

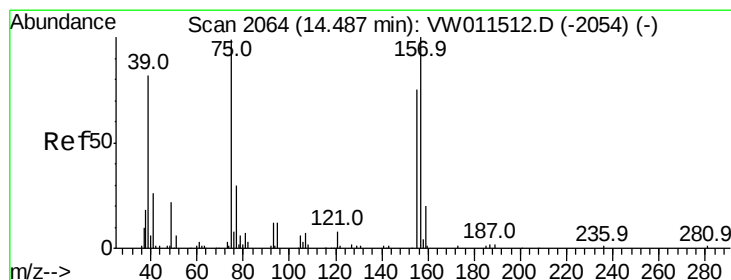
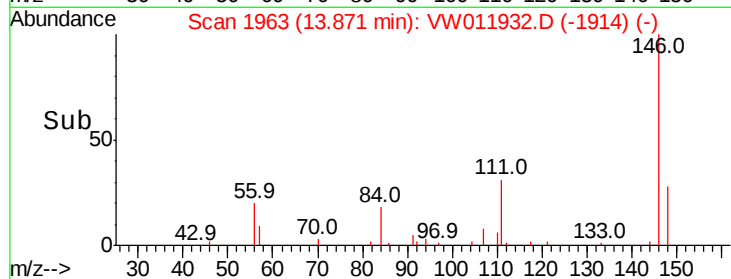
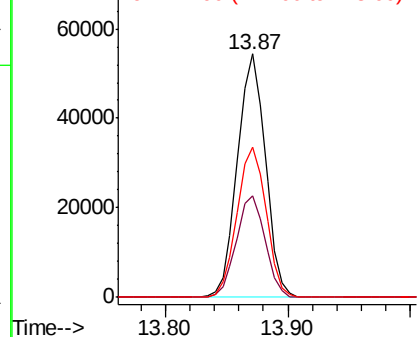
146 100

111 42.8 21.6 65.0

148 64.0 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.332 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

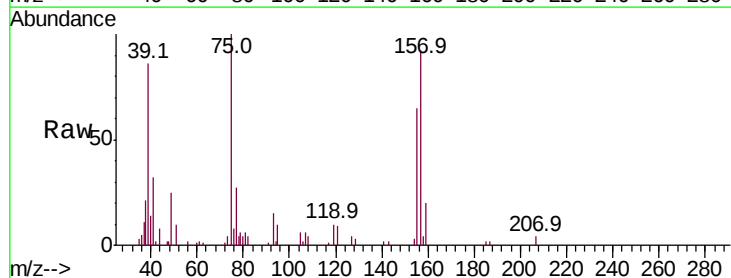
Tgt Ion: 75 Resp: 6960

Ion Ratio Lower Upper

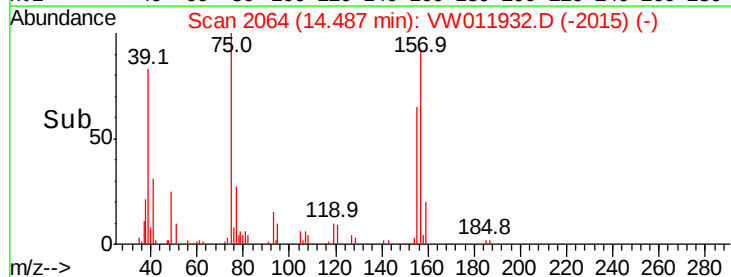
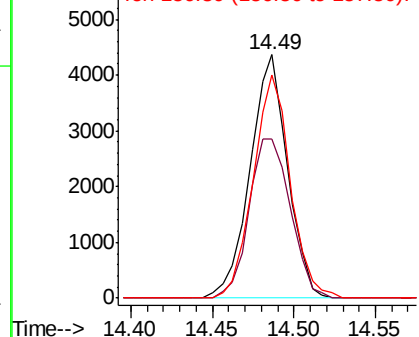
75 100

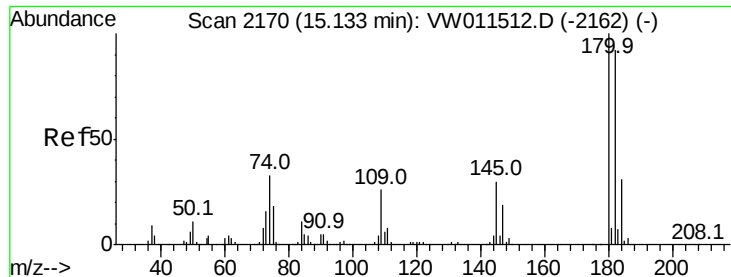
155 72.4 38.2 114.6

157 90.9 48.9 146.7



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

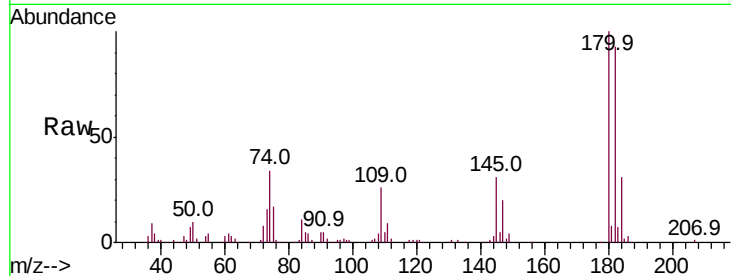




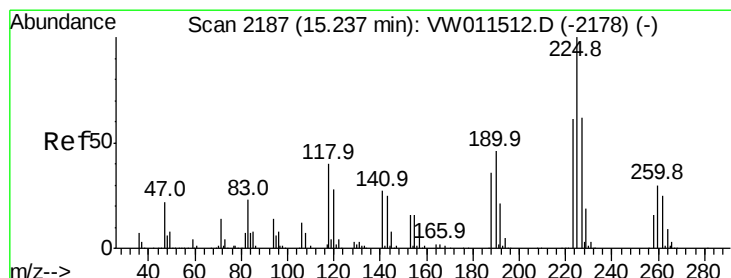
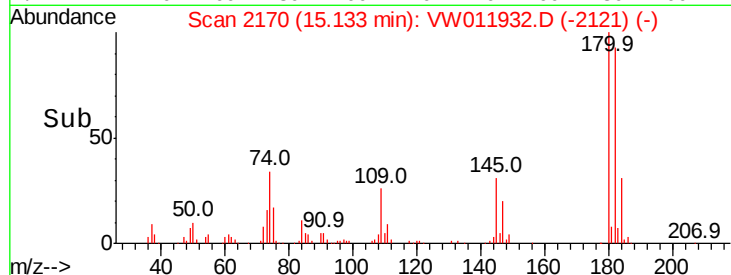
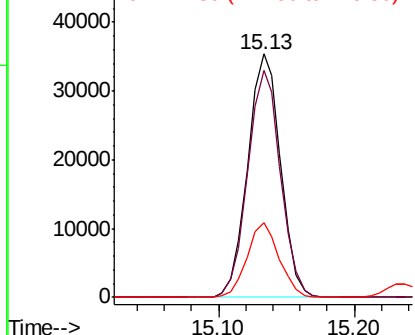
#93
1,2,4-Trichlorobenzene
Concen: 20.677 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.2
145	30.1	15.4	46.1

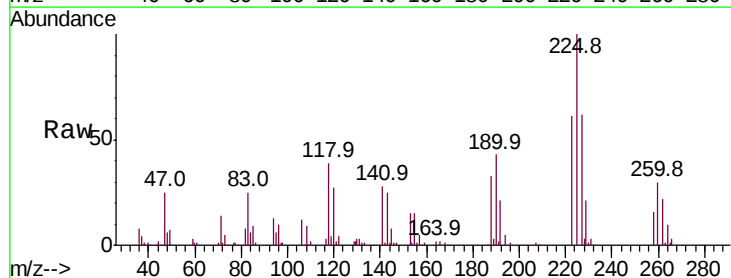


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

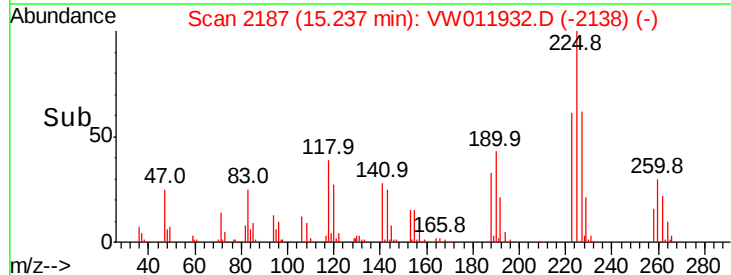
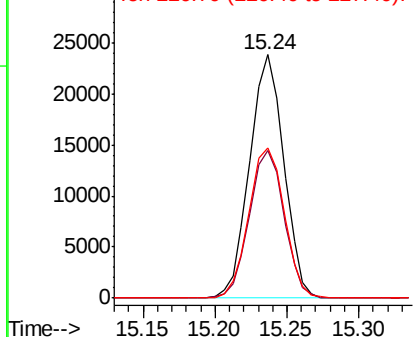


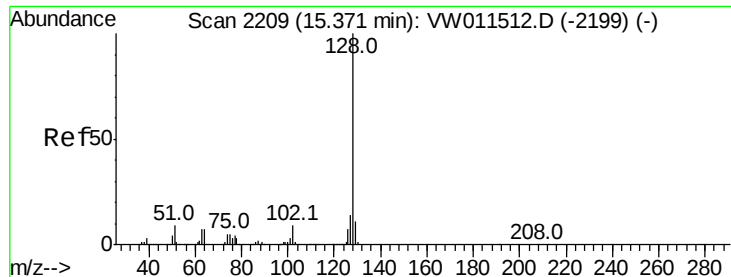
#94
Hexachlorobutadiene
Concen: 21.800 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.8	92.3
227	63.8	31.6	94.7



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

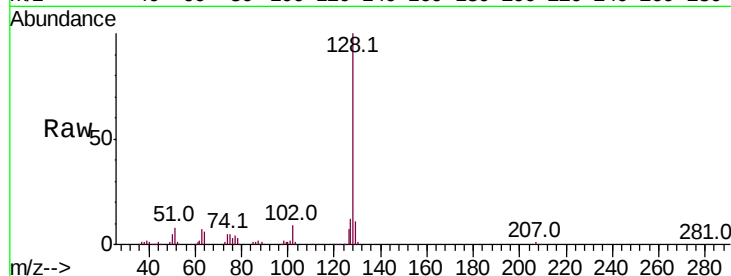




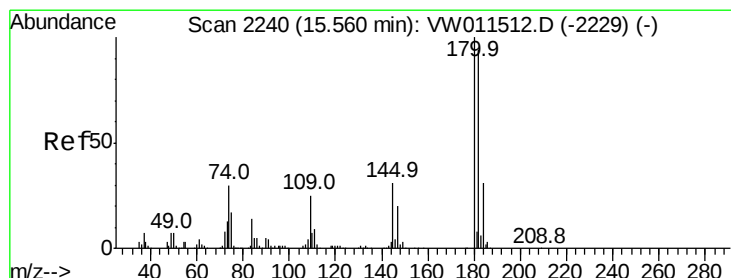
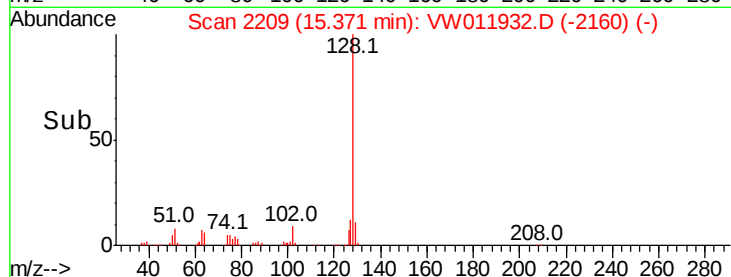
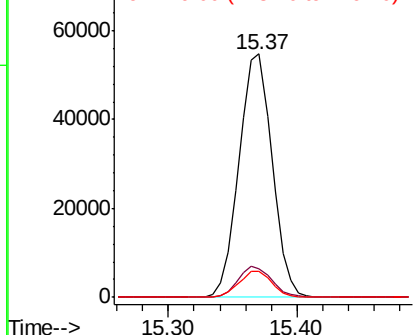
#95
Naphthalene
Concen: 18.642 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 97644
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.6 13.0

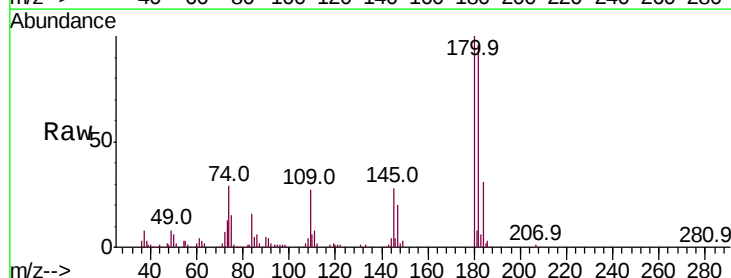


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.144 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion:180 Resp: 50906
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 32.2 15.9 47.7



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

