

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012535.D
 Acq On : 03 Sep 2019 09:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 14:02:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	148034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	133303	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	7.88	113	108245	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.32	98	432587	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.62	95	152674	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	74264	52.225	ug/l	99
3) Chloromethane	2.21	50	102363	46.463	ug/l	99
4) Vinyl Chloride	2.36	62	126129	46.775	ug/l	96
5) Bromomethane	2.78	94	62753	45.952	ug/l	100
6) Chloroethane	2.92	64	72314	47.539	ug/l	95
7) Trichlorofluoromethane	3.26	101	76476	56.482	ug/l	98
8) Diethyl Ether	3.68	74	63681	49.549	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113367	49.258	ug/l	97
10) Methyl Iodide	4.27	142	160059	51.400	ug/l	99
11) Tert butyl alcohol	5.20	59	42589	257.780	ug/l	98
12) 1,1-Dichloroethene	4.04	96	117053	50.531	ug/l	99
13) Acrolein	3.90	56	33776	217.181	ug/l	100
14) Allyl chloride	4.67	41	250277	50.538	ug/l	100
15) Acrylonitrile	5.37	53	159744	250.767	ug/l	99
16) Acetone	4.14	43	190373	271.275	ug/l	97
17) Carbon Disulfide	4.38	76	327789	46.821	ug/l	100
18) Methyl Acetate	4.67	43	83704	48.157	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	202914	54.167	ug/l	100
20) Methylene Chloride	4.91	84	124018	46.747	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	121980	49.105	ug/l	93
22) Diisopropyl ether	6.31	45	457761	49.868	ug/l	98
23) Vinyl Acetate	6.25	43	1444119	255.631	ug/l	100
24) 1,1-Dichloroethane	6.21	63	247361	49.491	ug/l	100
25) 2-Butanone	7.17	43	244171	256.045	ug/l	99
26) 2,2-Dichloropropane	7.17	77	152206	53.802	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	134285	50.597	ug/l	99
28) Bromochloromethane	7.51	49	99195	45.535	ug/l #	24
29) Tetrahydrofuran	7.53	42	144338	252.279	ug/l	98
30) Chloroform	7.67	83	228945	50.067	ug/l	97
31) Cyclohexane	7.95	56	222894	45.075	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	188663	52.154	ug/l	99
36) 1,1-Dichloropropene	8.08	75	189837	51.790	ug/l	100
37) Ethyl Acetate	7.25	43	99278	49.426	ug/l	98
38) Carbon Tetrachloride	8.07	117	168899	53.237	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	204459	49.651	ug/l	98
40) Benzene	8.32	78	511608	51.115	ug/l	99
41) Methacrylonitrile	7.48	41	61591	52.172	ug/l	98
42) 1,2-Dichloroethane	8.40	62	164615	52.477	ug/l	99
43) Isopropyl Acetate	8.42	43	195294	52.489	ug/l	100
44) Trichloroethene	9.09	130	130167	53.498	ug/l	95
45) 1,2-Dichloropropane	9.37	63	134365	49.881	ug/l	98
46) Dibromomethane	9.46	93	61901	51.648	ug/l	97
47) Bromodichloromethane	9.64	83	167735	52.586	ug/l	99
48) Methyl methacrylate	9.43	41	93555	52.831	ug/l	99
49) 1,4-Dioxane	9.46	88	18344	999.796	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	498771	263.562	ug/l	100
52) Toluene	10.38	92	311113	51.742	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	176773	54.406	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	207993	53.017	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	88379	52.119	ug/l	99
56) Ethyl methacrylate	10.65	69	134093	54.333	ug/l	98
57) 1,3-Dichloropropane	10.93	76	168537	52.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	335535	264.905	ug/l	99
59) 2-Hexanone	10.97	43	368111	274.912	ug/l	100
60) Dibromochloromethane	11.13	129	101081	53.517	ug/l	98
61) 1,2-Dibromoethane	11.23	107	82847	52.442	ug/l	100
64) Tetrachloroethene	10.86	164	103466	52.549	ug/l	98
65) Chlorobenzene	11.65	112	316623	52.946	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	112840	54.089	ug/l	99
67) Ethyl Benzene	11.73	91	608221	52.799	ug/l	99
68) m/p-Xylenes	11.84	106	439072	105.814	ug/l	99
69) o-Xylene	12.16	106	204216	53.175	ug/l	99
70) Styrene	12.18	104	354665	53.353	ug/l	99
71) Bromoform	12.35	173	58297	56.087	ug/l #	99
73) Isopropylbenzene	12.46	105	578284	52.133	ug/l	99
74) N-amyl acetate	12.27	43	177092	52.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	102770	50.537	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	140830	97.680	ug/l #	100
77) Bromobenzene	12.74	156	126242	52.607	ug/l	97
78) n-propylbenzene	12.80	91	700507	51.730	ug/l	99
79) 2-Chlorotoluene	12.89	91	392867	51.100	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	484952	52.321	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35831	54.490	ug/l	98
82) 4-Chlorotoluene	12.99	91	412945	51.297	ug/l	99
83) tert-Butylbenzene	13.21	119	420112	53.508	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	483045	51.880	ug/l	99
85) sec-Butylbenzene	13.38	105	581071	51.657	ug/l	100
86) p-Isopropyltoluene	13.50	119	530145	52.774	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	243362	51.848	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	242080	51.942	ug/l	100
89) n-Butylbenzene	13.82	91	520344	52.088	ug/l	100
90) Hexachloroethane	14.09	117	90026	51.079	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	215425	52.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17147	50.017	ug/l	96

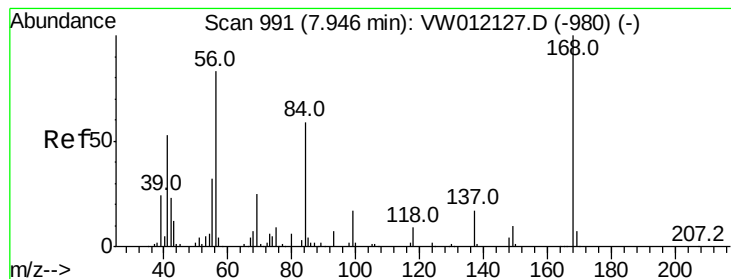
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	152952	53.751	ug/l	99
94) Hexachlorobutadiene	15.24	225	101838	54.200	ug/l	98
95) Naphthalene	15.36	128	281226	50.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	135786	54.693	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: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

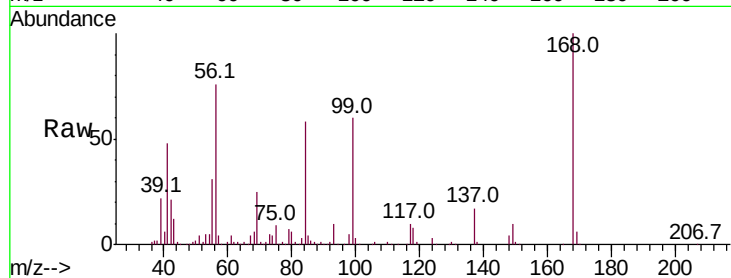
ClientSampleId :

Tot Ion:168 Resp: 230944

Ion Ratio Lower Upper

168 100

99 59.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

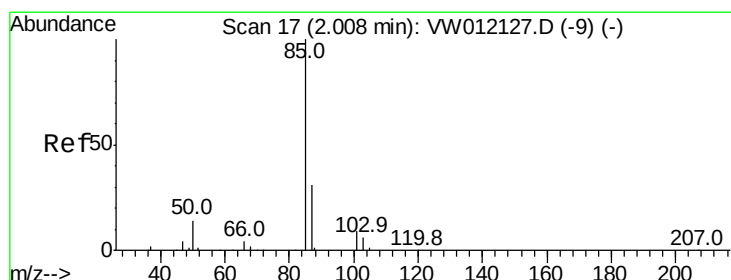
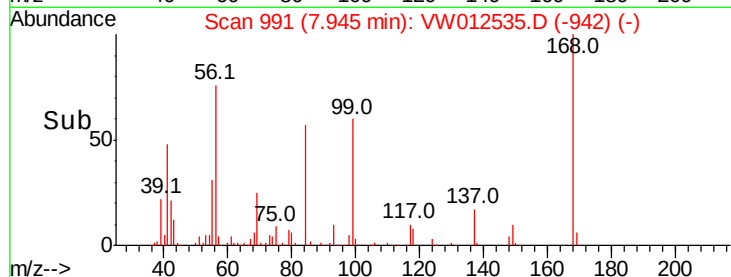
40000

20000

0

7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.225 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012535.D

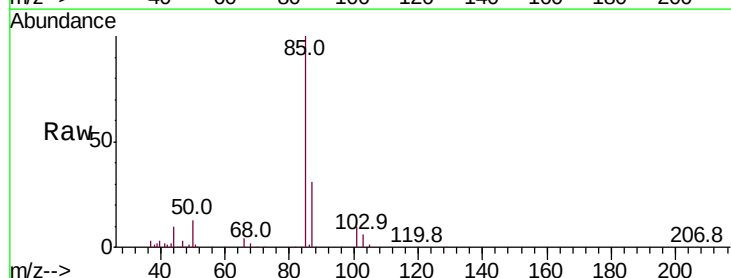
Acq: 03 Sep 2019 09:08

Tgt Ion: 85 Resp: 74264

Ion Ratio Lower Upper

85 100

87 30.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

30000

25000

20000

15000

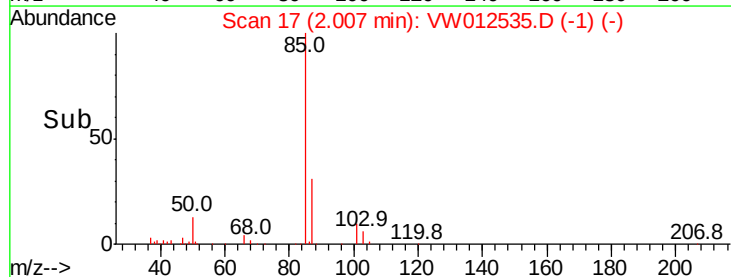
10000

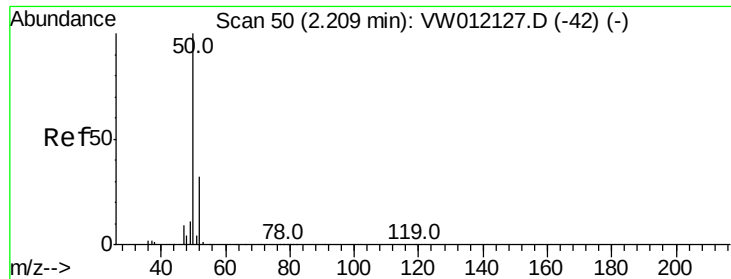
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 46.463 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

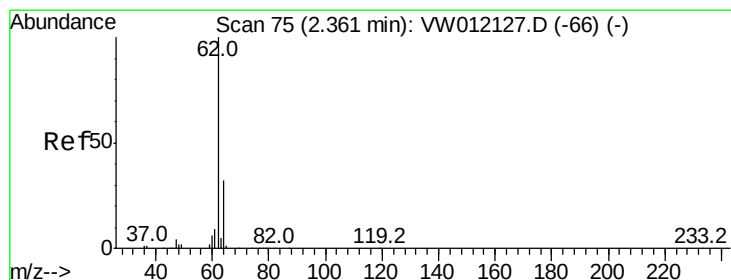
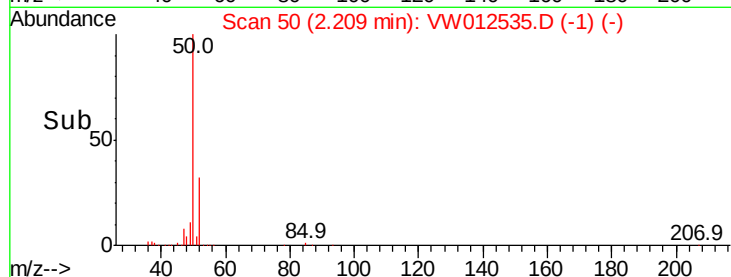
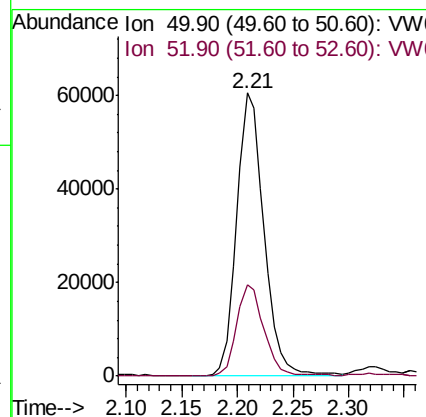
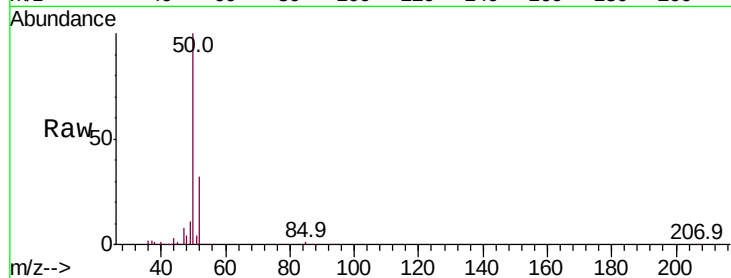
ClientSampleId :

Tot Ion: 50 Resp: 102363

Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3



#4

Vinyl Chloride

Concen: 46.775 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012535.D

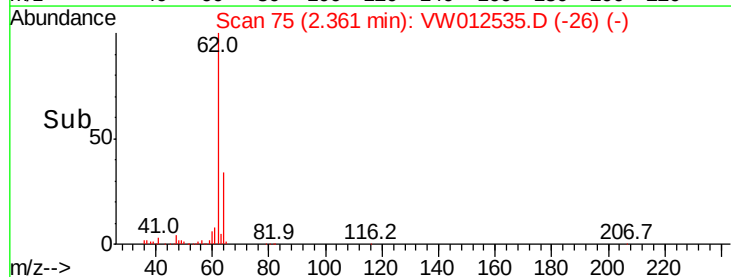
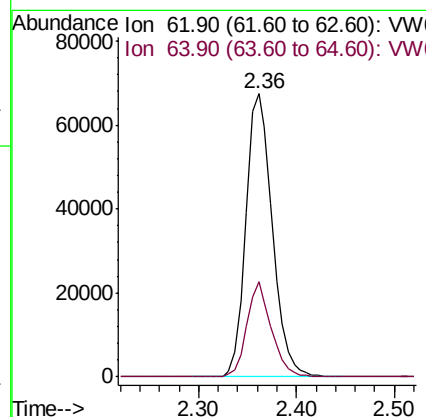
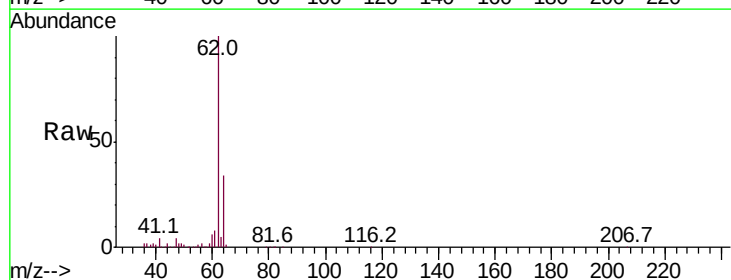
Acq: 03 Sep 2019 09:08

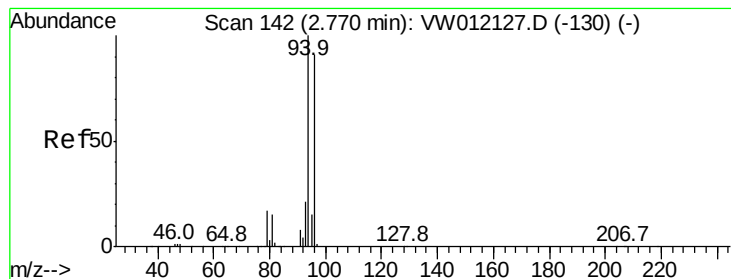
Tgt Ion: 62 Resp: 126129

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 45.952 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

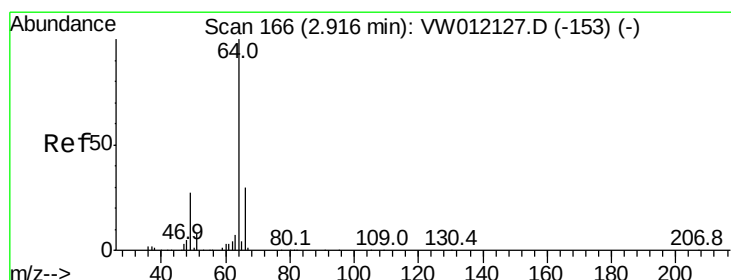
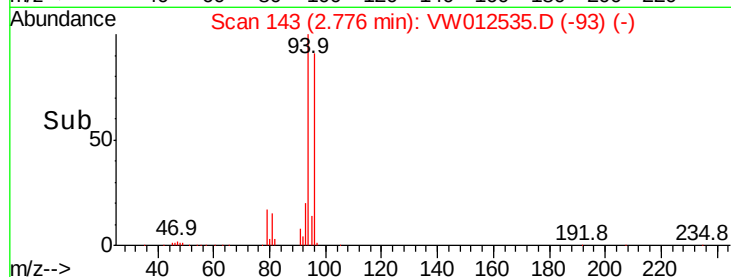
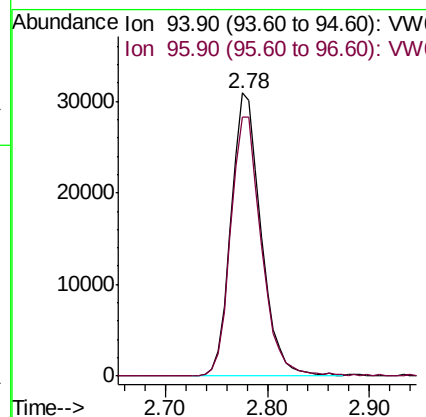
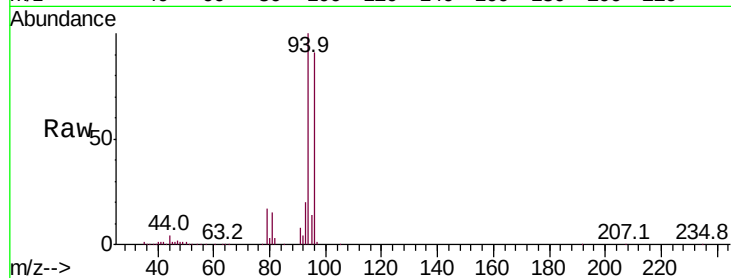
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 62753

Ion Ratio Lower Upper

94 100

96 91.2 72.9 109.3



#6

Chloroethane

Concen: 47.539 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012535.D

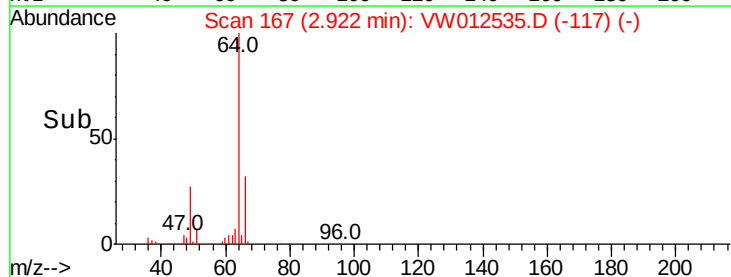
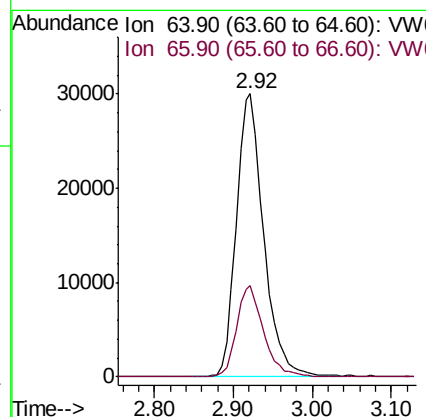
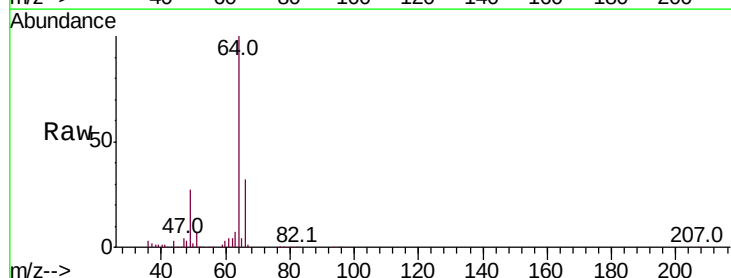
Acq: 03 Sep 2019 09:08

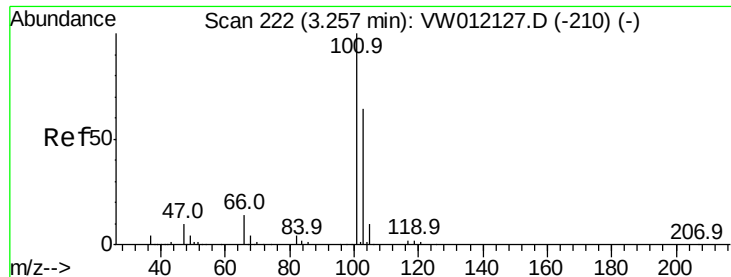
Tgt Ion: 64 Resp: 72314

Ion Ratio Lower Upper

64 100

66 32.4 23.8 35.8



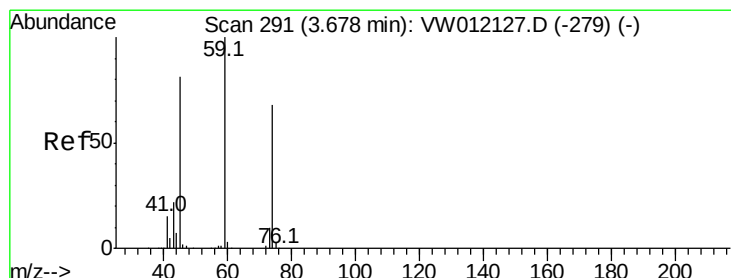
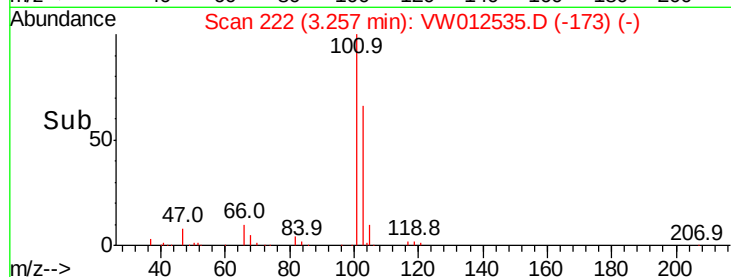
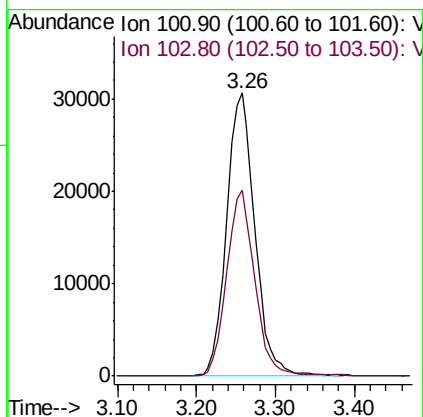
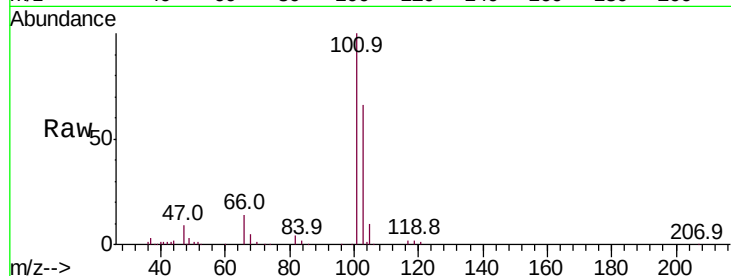


#7

Trichlorofluoromethane
 Concen: 56.482 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
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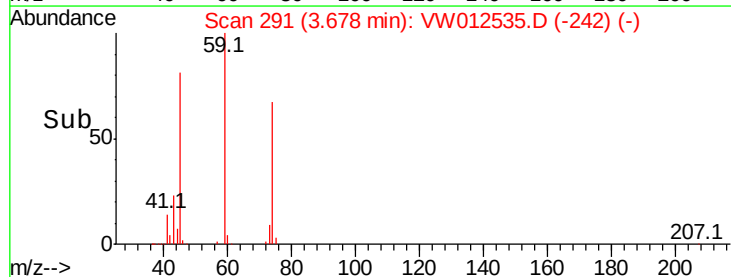
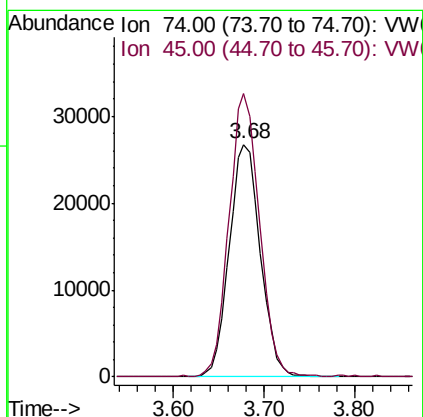
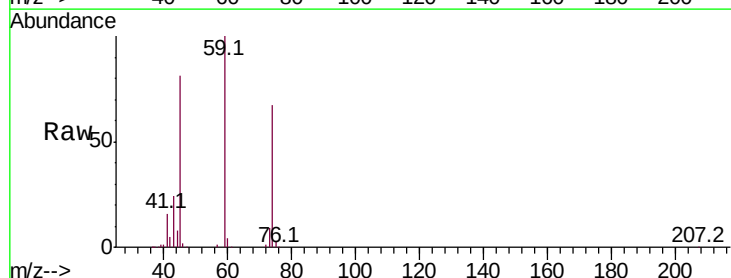
Tot Ion:101 Resp: 76476
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.2 76.8

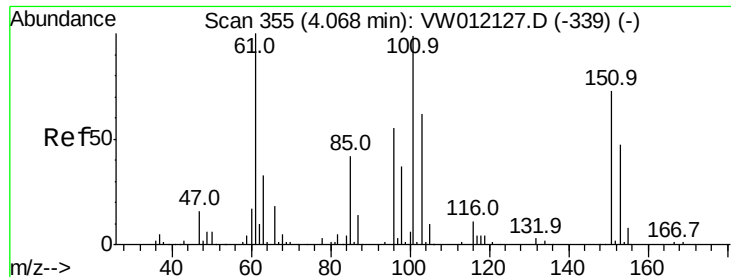


#8

Diethyl Ether
 Concen: 49.549 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 74 Resp: 63681
 Ion Ratio Lower Upper
 74 100
 45 119.7 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.258 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

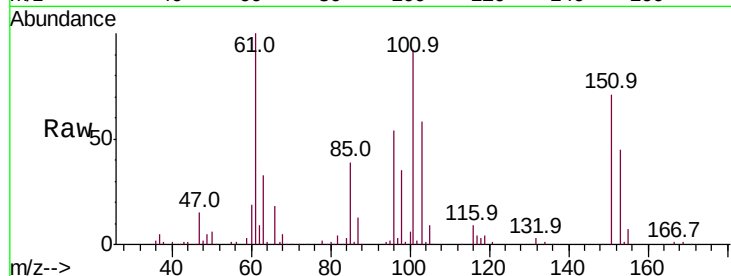
Tot Ion:101 Resp: 113367

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

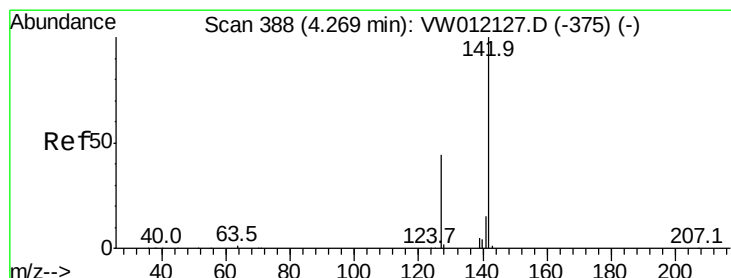
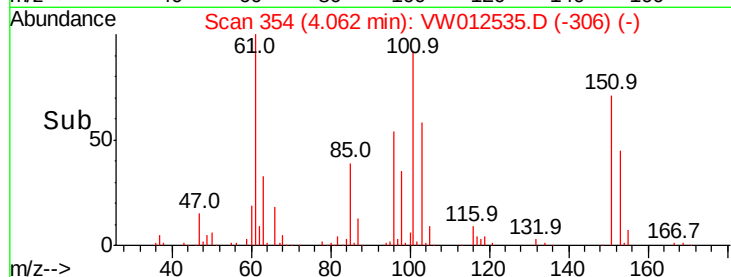
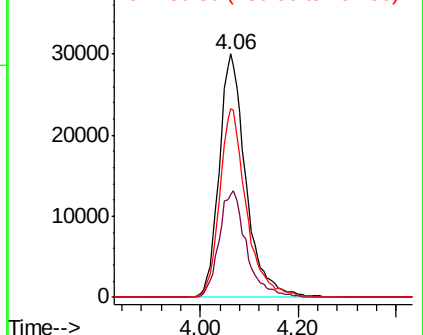
151 77.5 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.400 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

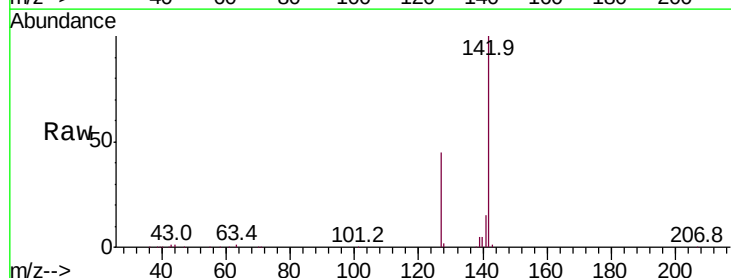
Tgt Ion:142 Resp: 160059

Ion Ratio Lower Upper

142 100

127 43.7 35.5 53.3

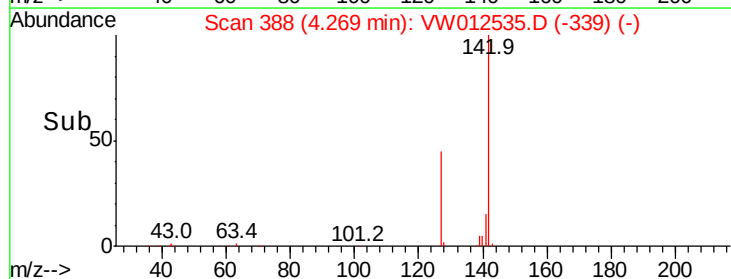
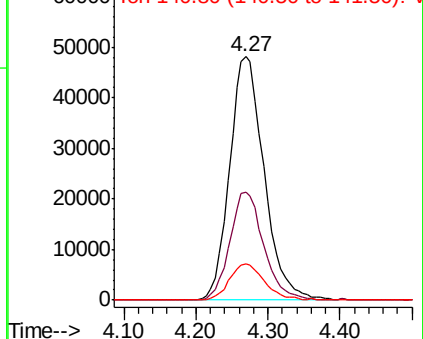
141 14.8 11.8 17.8

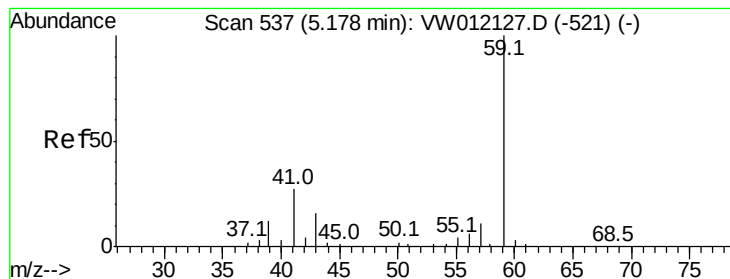


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



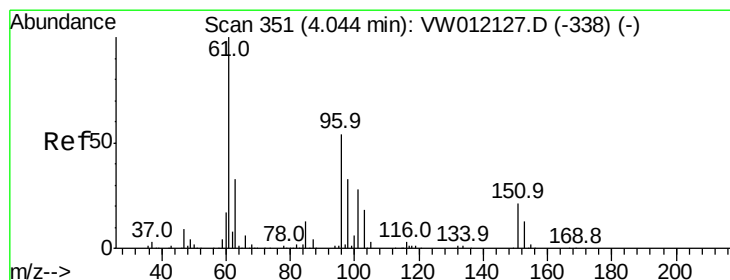
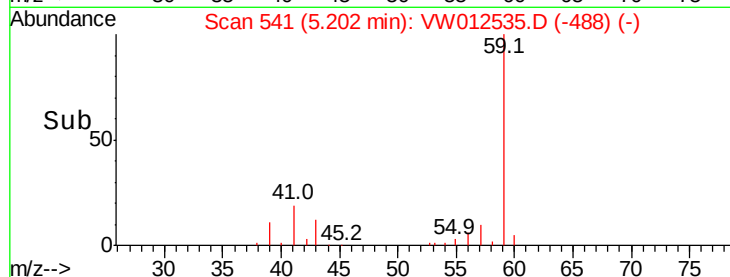
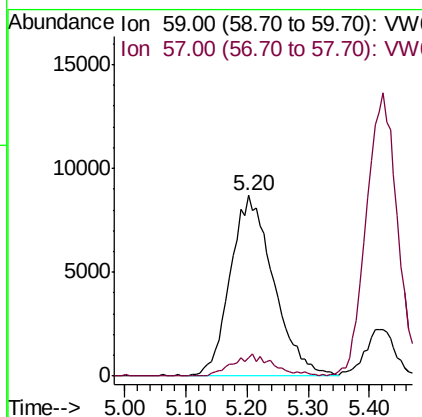
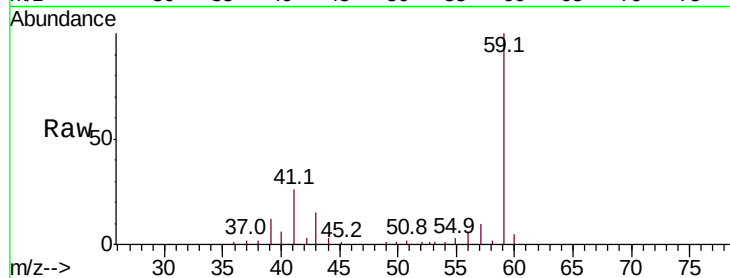


#11

Tert butyl alcohol
 Concen: 257.780 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :

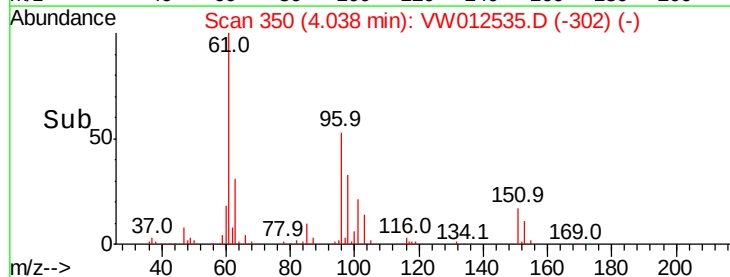
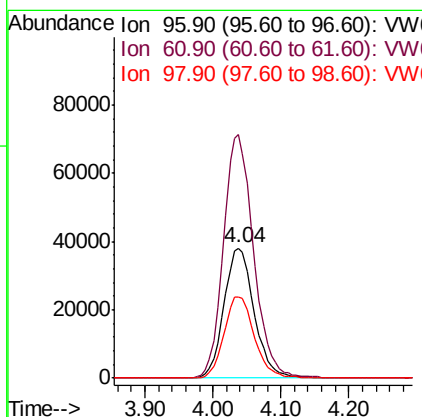
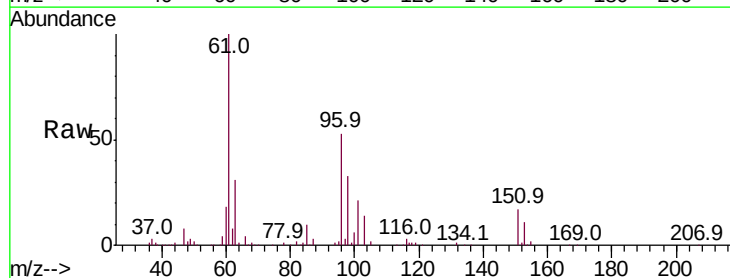
Tot Ion: 59 Resp: 42589
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.4

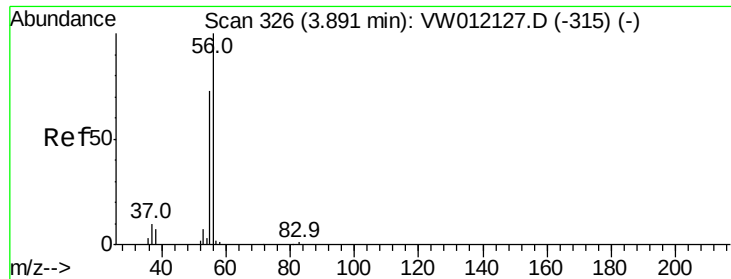


#12

1,1-Dichloroethene
 Concen: 50.531 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 96 Resp: 117053
 Ion Ratio Lower Upper
 96 100
 61 187.4 149.1 223.7
 98 62.2 49.4 74.2





#13

Acrolein

Concen: 217.181 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

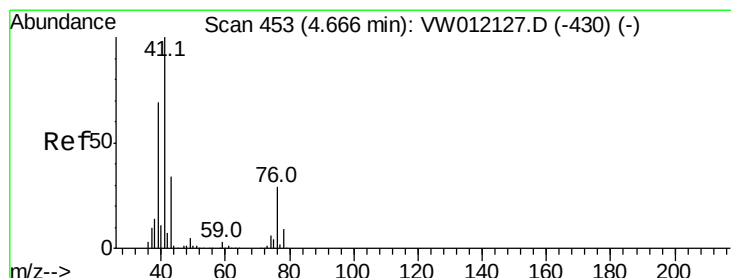
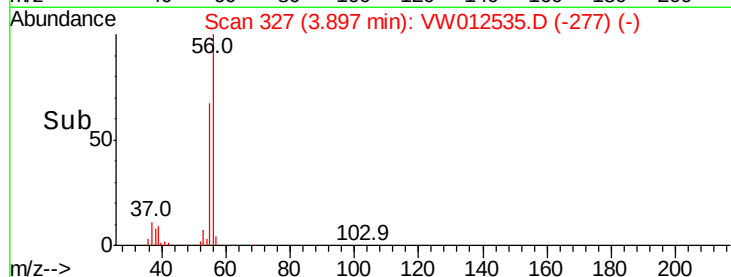
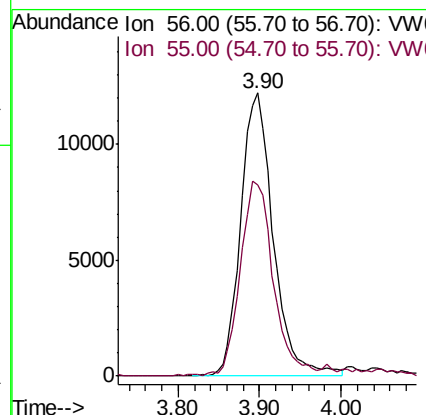
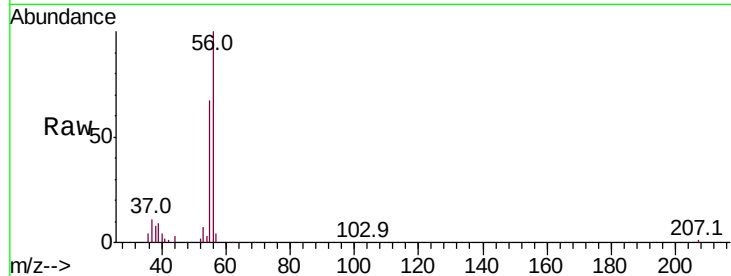
ClientSampled :

Tot Ion: 56 Resp: 33776

Ion Ratio Lower Upper

56 100

55 69.9 55.8 83.8



#14

Allyl chloride

Concen: 50.538 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

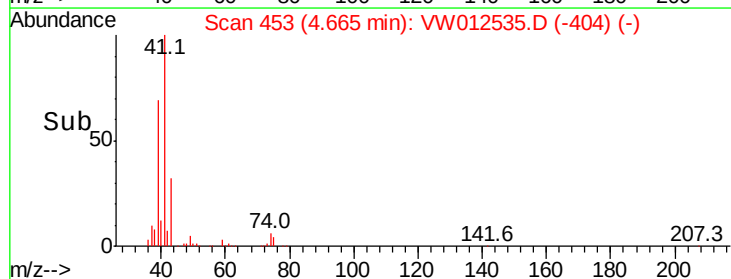
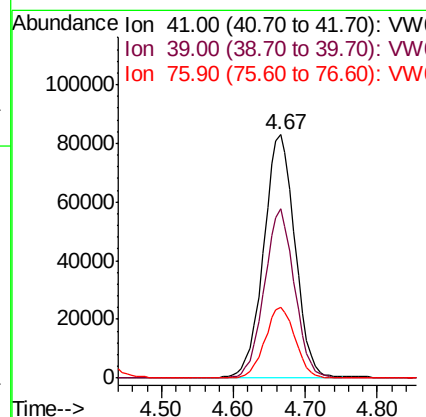
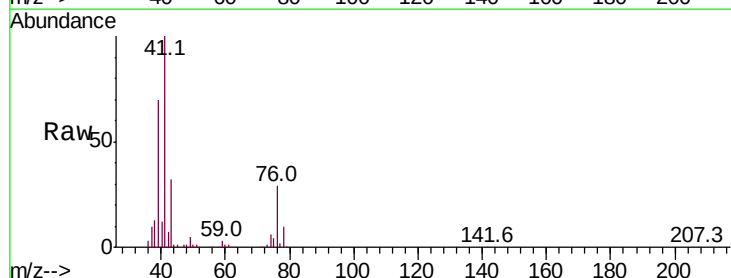
Tgt Ion: 41 Resp: 250277

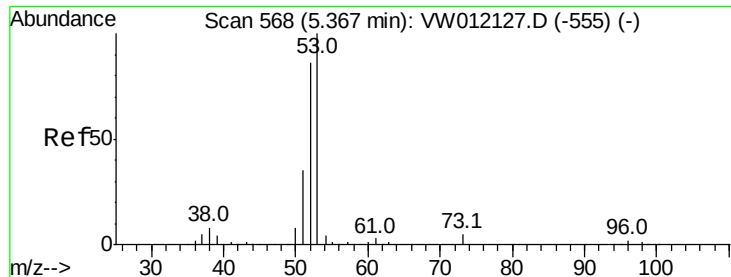
Ion Ratio Lower Upper

41 100

39 67.0 53.4 80.2

76 28.1 22.1 33.1





#15

Acrylonitrile

Concen: 250.767 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

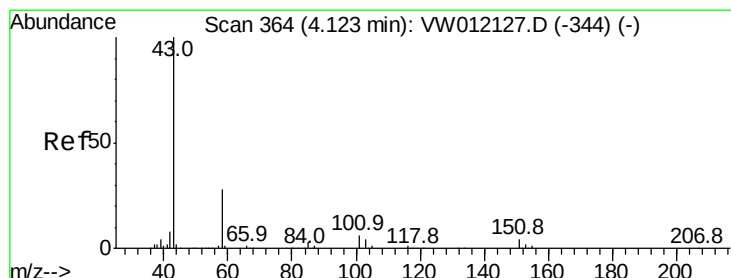
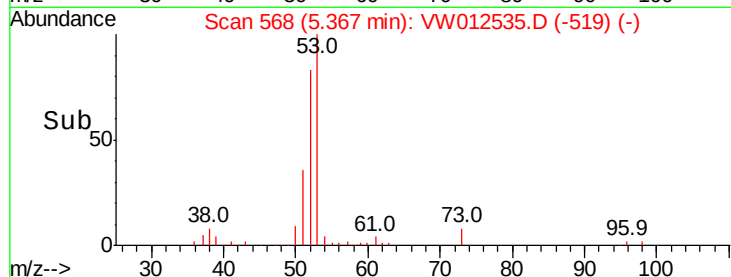
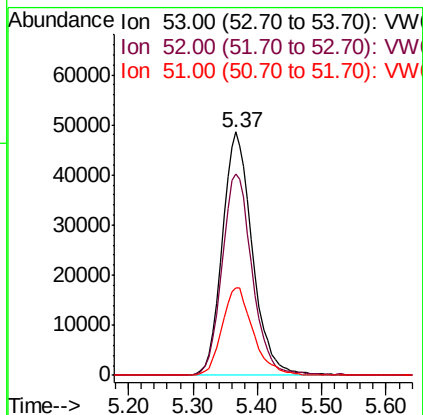
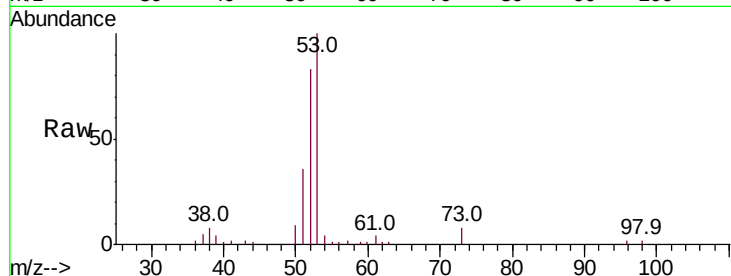
Tot Ion: 53 Resp: 159744

Ion Ratio Lower Upper

53 100

52 82.7 66.7 100.1

51 37.4 30.1 45.1



#16

Acetone

Concen: 271.275 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012535.D

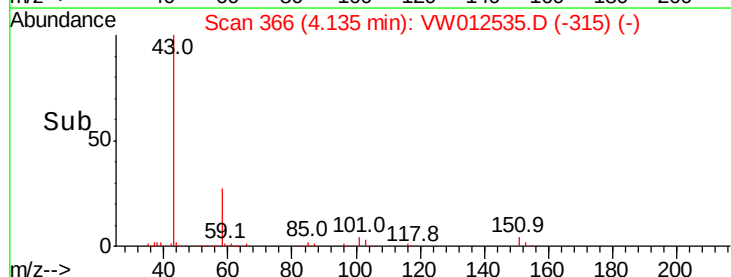
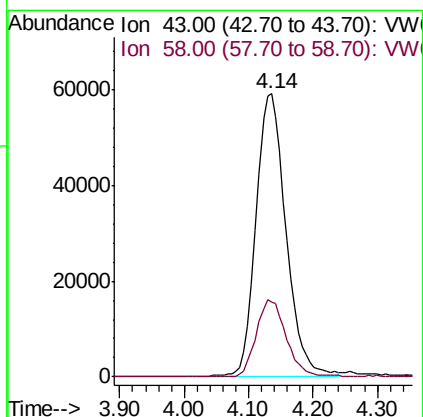
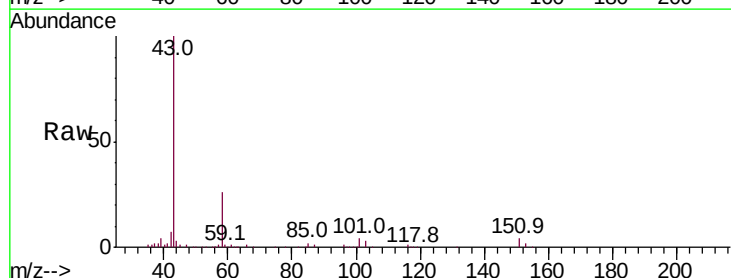
Acq: 03 Sep 2019 09:08

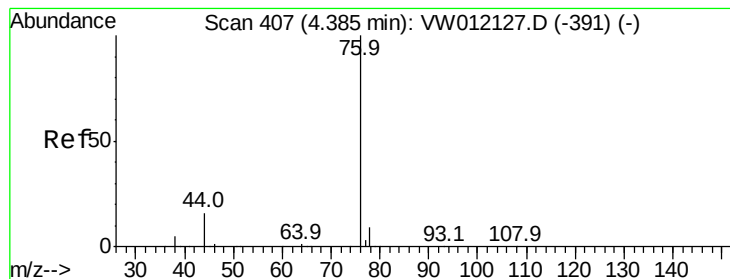
Tgt Ion: 43 Resp: 190373

Ion Ratio Lower Upper

43 100

58 26.3 22.4 33.6





#17

Carbon Disulfide

Concen: 46.821 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

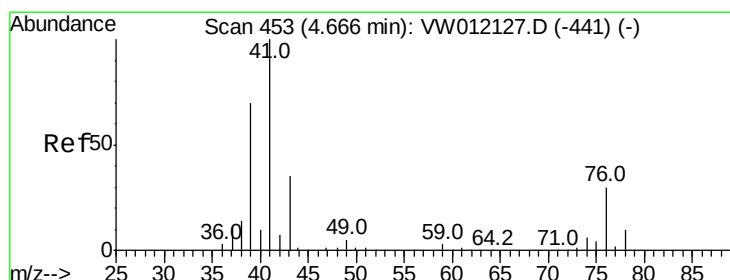
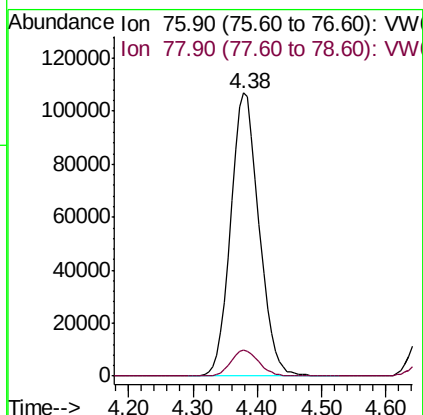
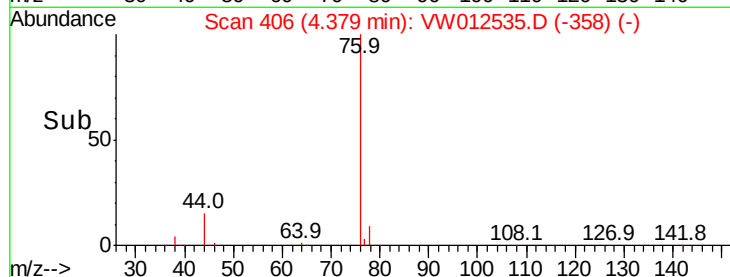
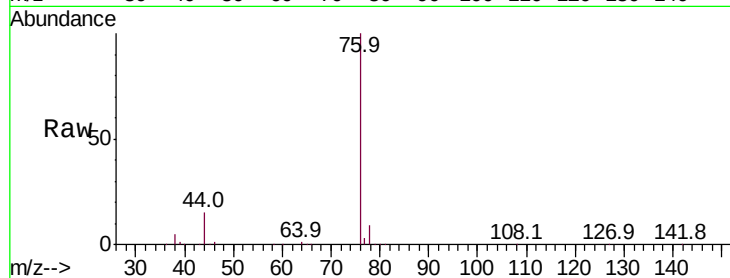
ClientSampleId :

Tot Ion: 76 Resp: 327789

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



#18

Methyl Acetate

Concen: 48.157 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012535.D

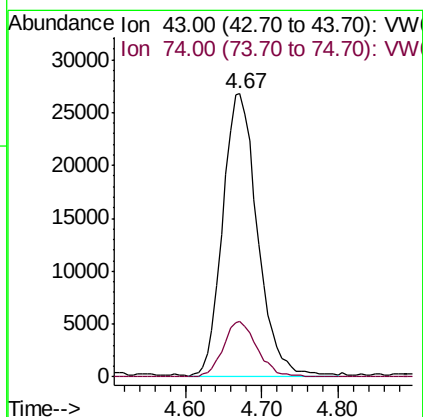
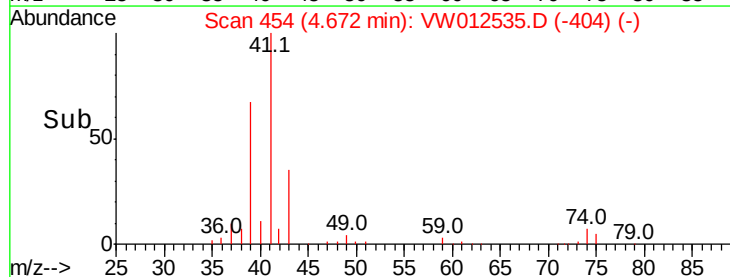
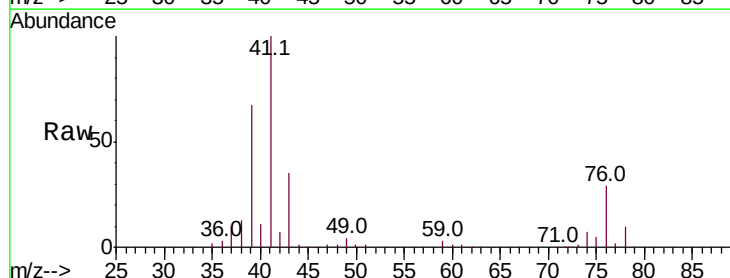
Acq: 03 Sep 2019 09:08

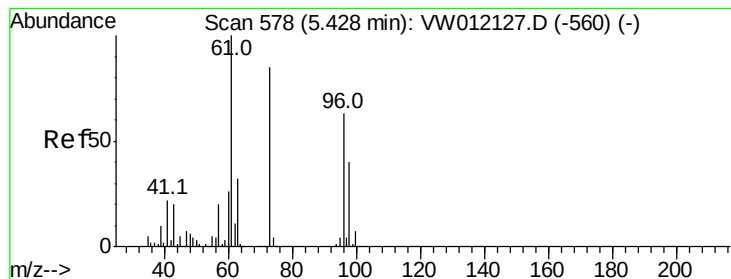
Tgt Ion: 43 Resp: 83704

Ion Ratio Lower Upper

43 100

74 19.2 15.7 23.5



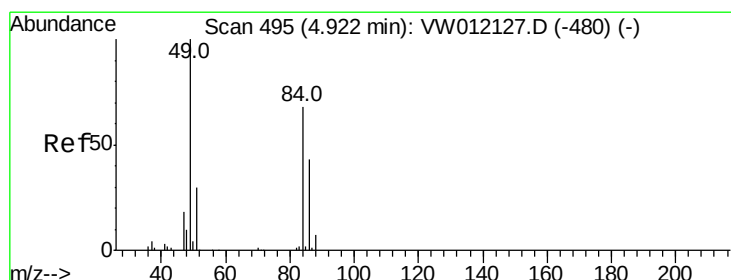
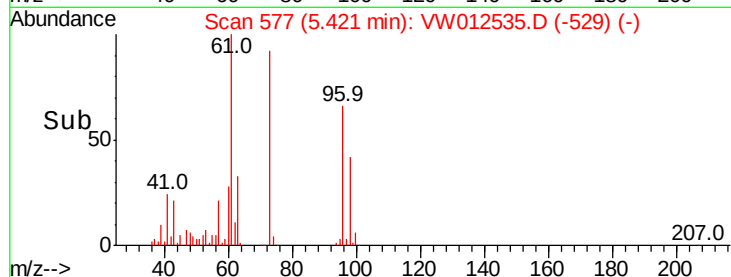
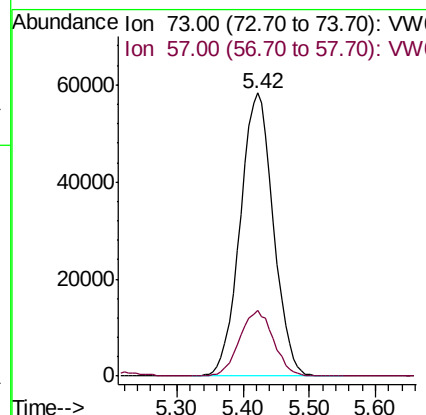
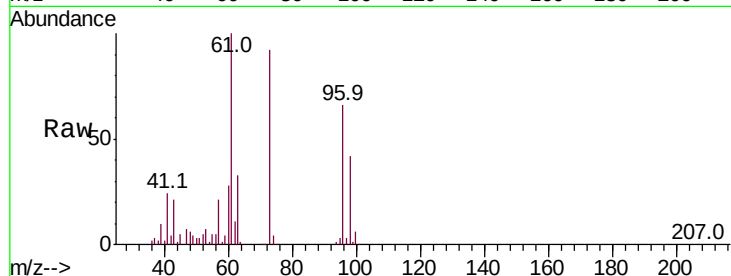


#19

Methyl tert-butyl Ether
 Concen: 54.167 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampled :

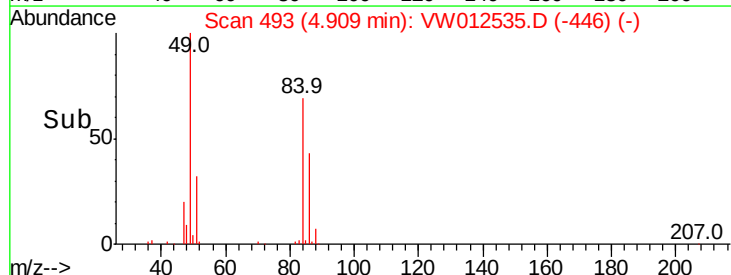
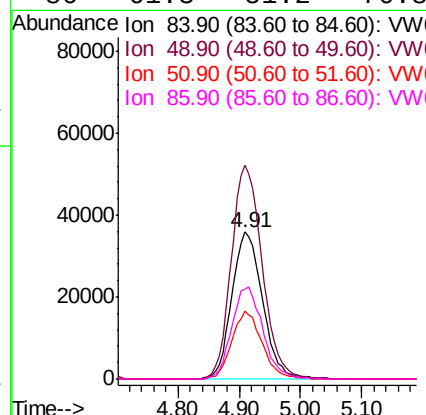
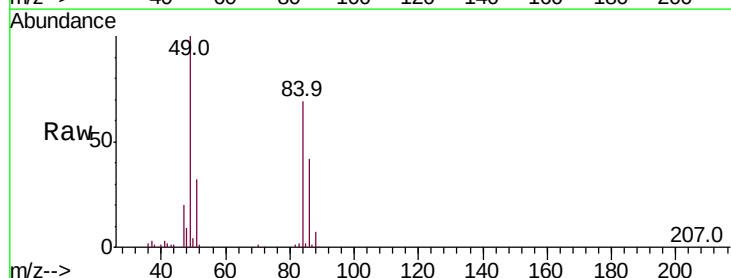
Tot Ion: 73 Resp: 202914
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.9 28.3

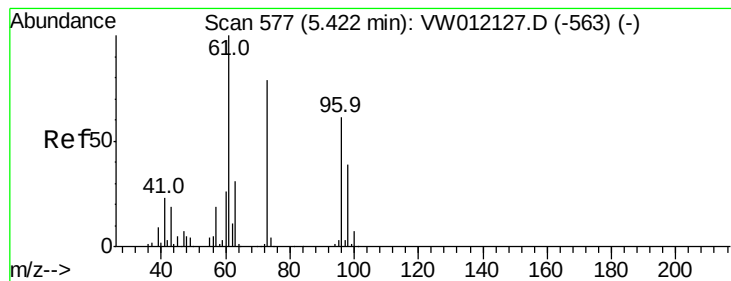


#20

Methylene Chloride
 Concen: 46.747 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 84 Resp: 124018
 Ion Ratio Lower Upper
 84 100
 49 145.2 117.8 176.8
 51 46.0 35.6 53.4
 86 61.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 49.105 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

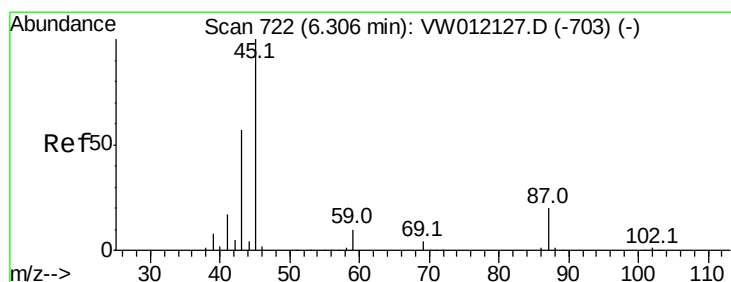
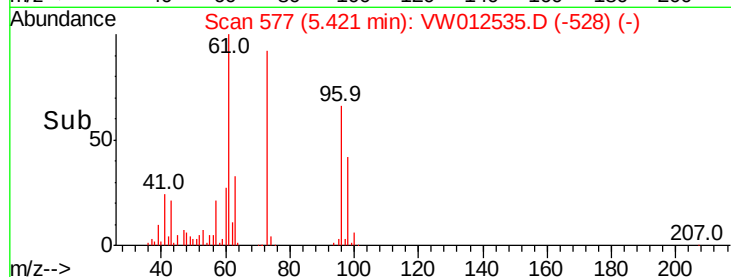
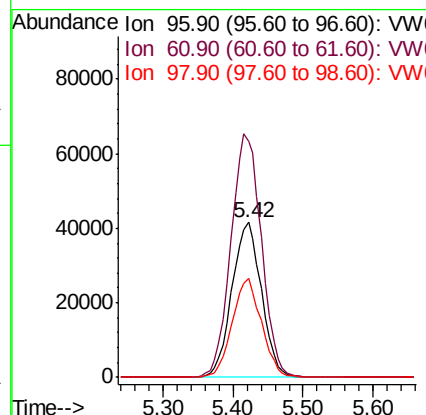
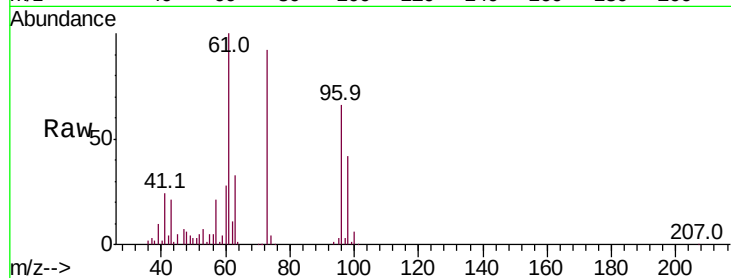
Tot Ion: 96 Resp: 121980

Ion Ratio Lower Upper

96 100

61 152.6 131.4 197.0

98 63.5 51.4 77.0



#22

Diisopropyl ether

Concen: 49.868 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion: 45 Resp: 457761

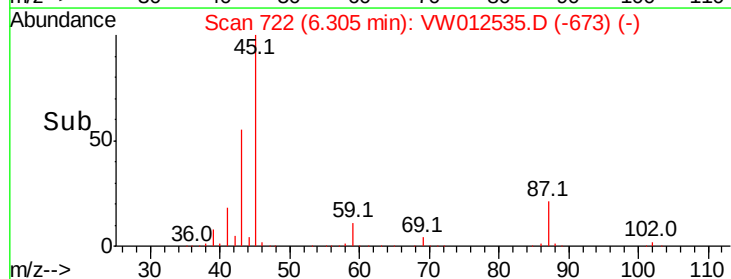
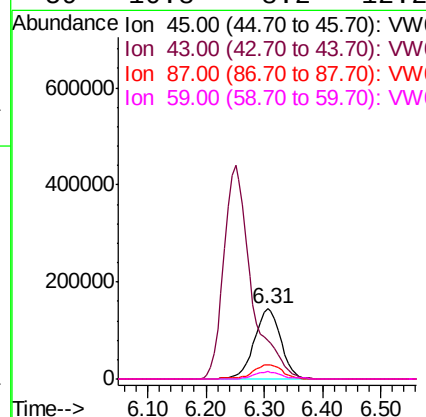
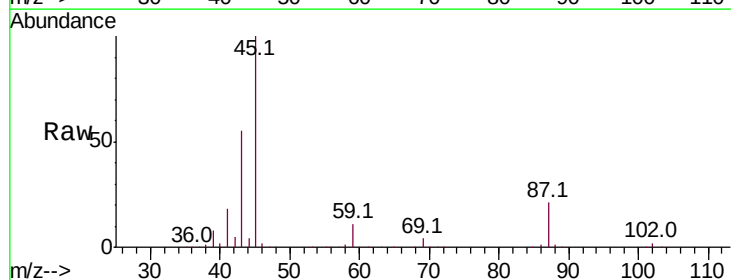
Ion Ratio Lower Upper

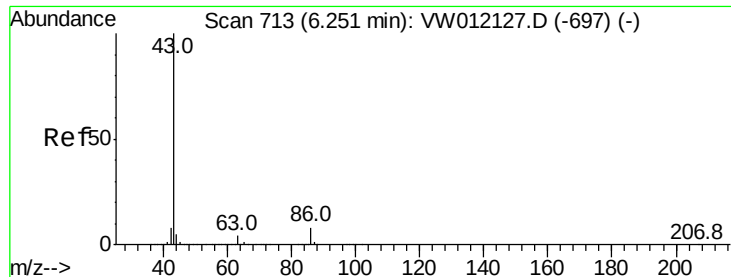
45 100

43 55.4 45.5 68.3

87 20.9 16.1 24.1

59 10.8 8.2 12.2





#23

Vinyl Acetate

Concen: 255.631 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

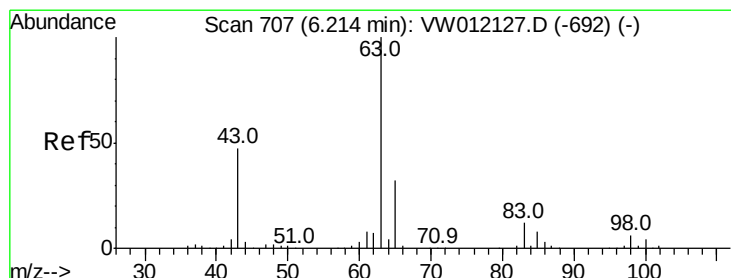
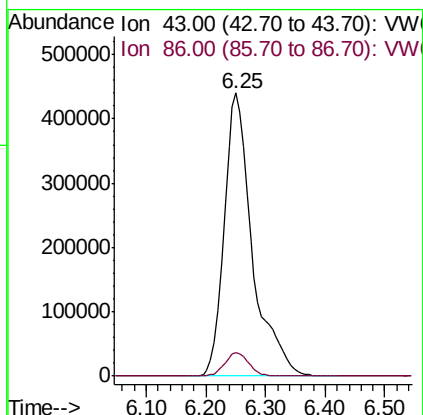
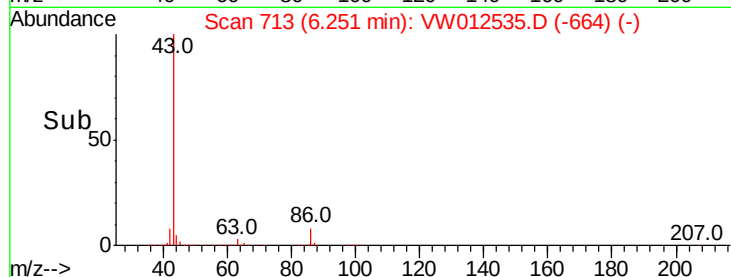
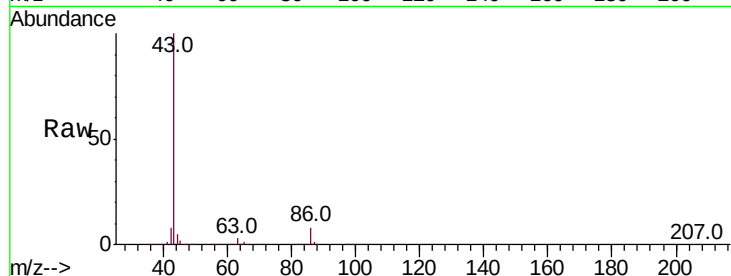
ClientSampleId :

Tot Ion: 43 Resp: 1444119

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 49.491 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

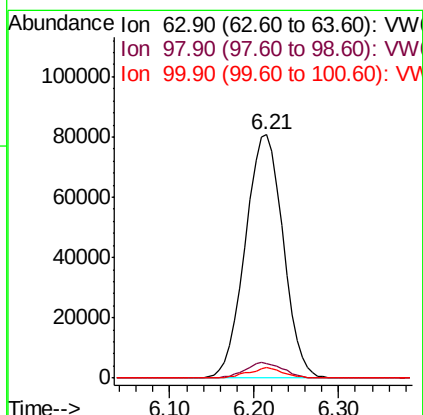
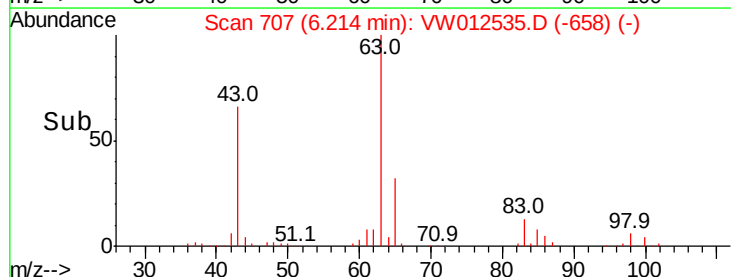
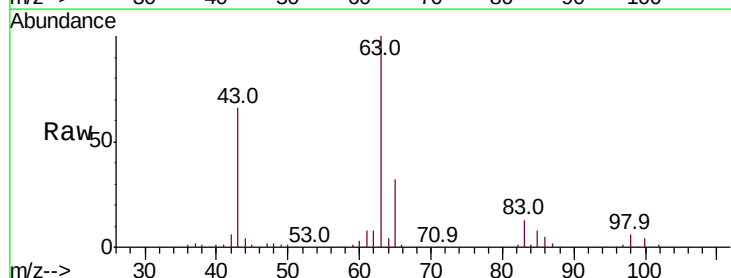
Tgt Ion: 63 Resp: 247361

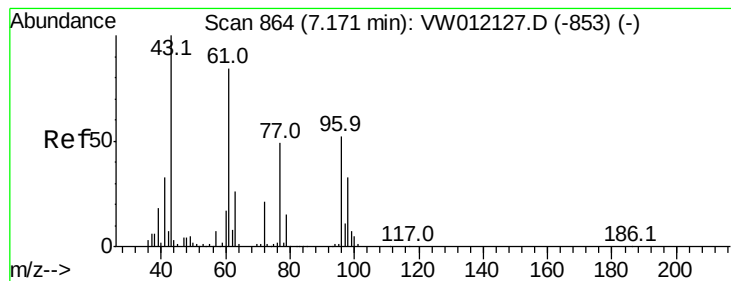
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 256.045 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

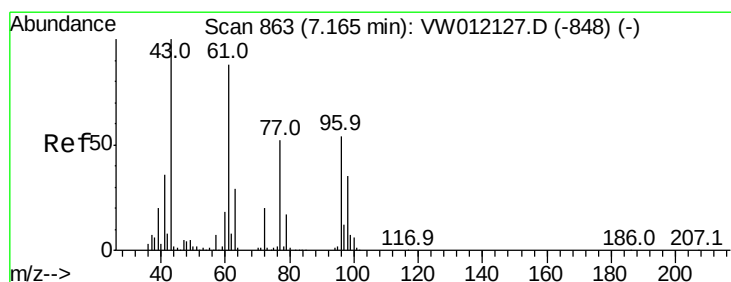
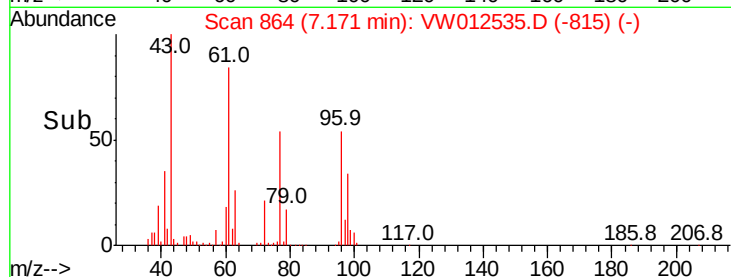
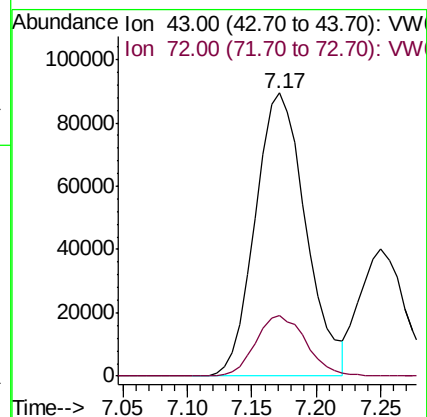
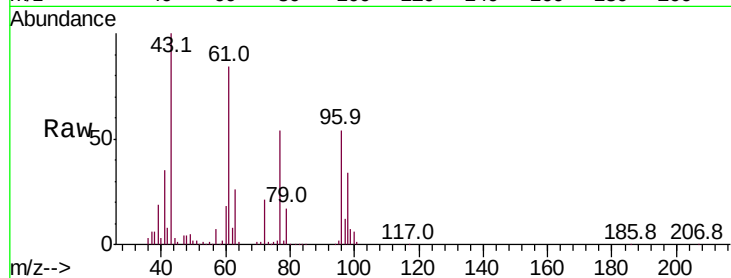
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 244171

Ion Ratio Lower Upper

43 100

72 21.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 53.802 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012535.D

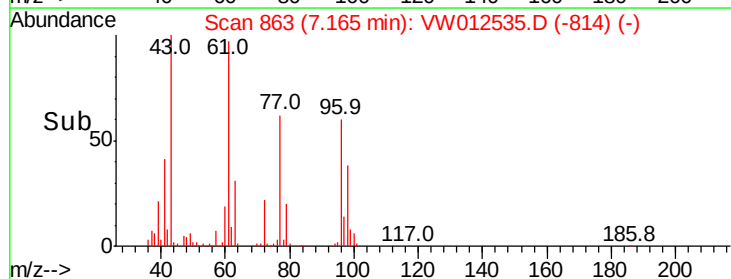
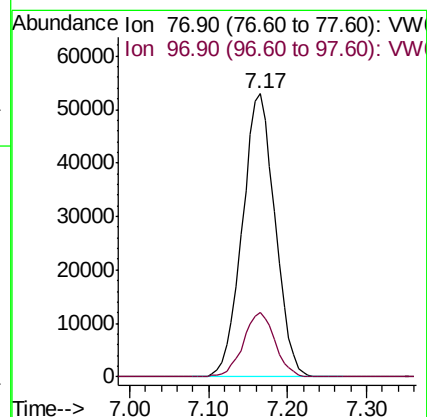
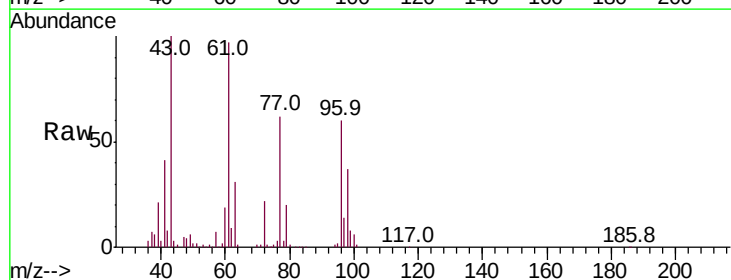
Acq: 03 Sep 2019 09:08

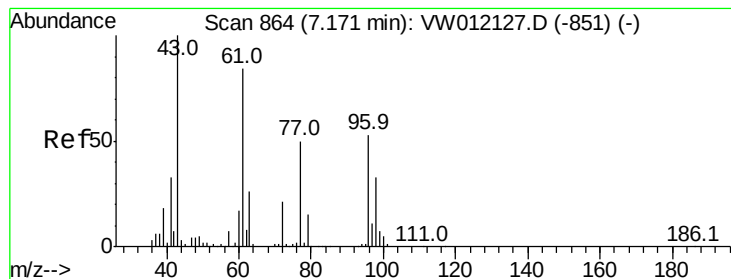
Tgt Ion: 77 Resp: 152206

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1



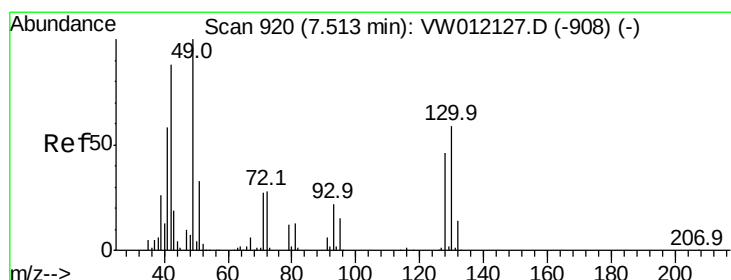
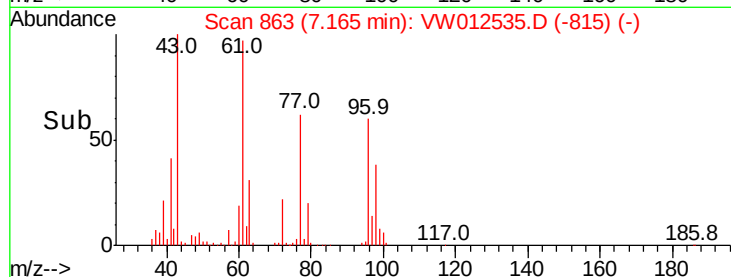
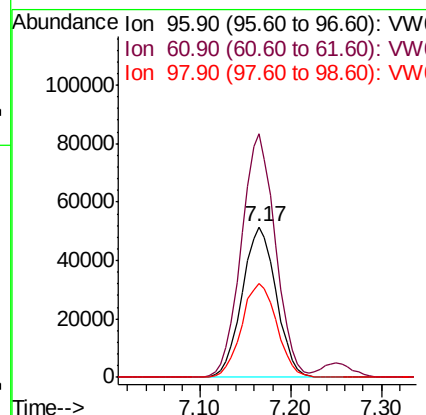
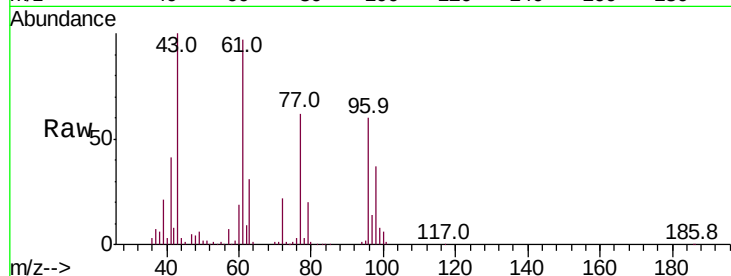


#27

cis-1,2-Dichloroethene
Concen: 50.597 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :

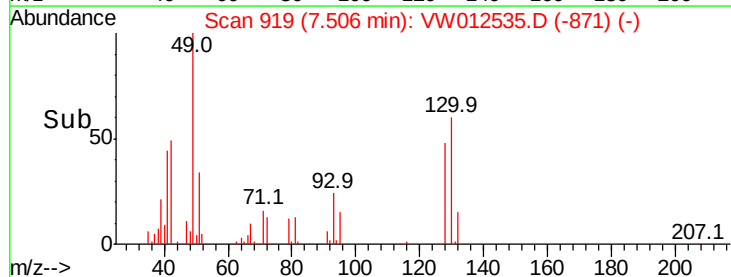
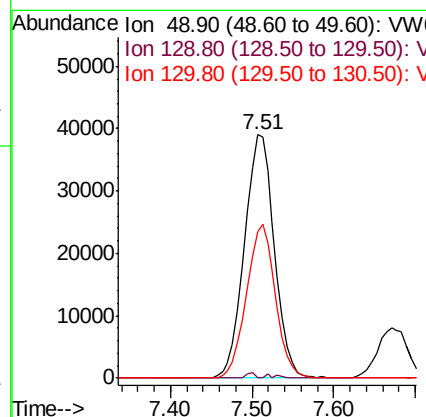
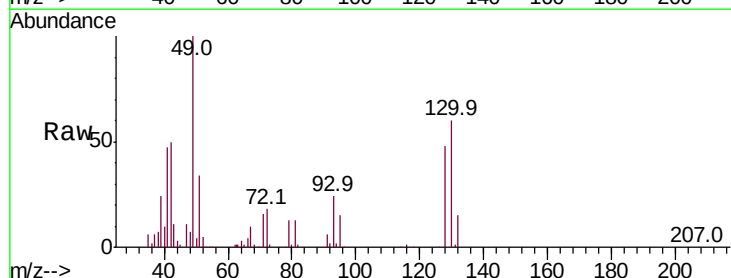
Tot Ion: 96 Resp: 134285
Ion Ratio Lower Upper
96 100
61 161.6 0.0 326.6
98 64.1 0.0 127.4

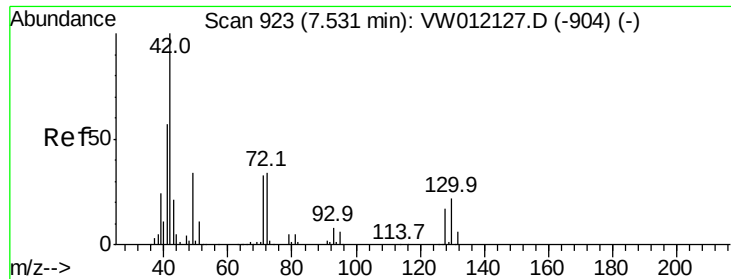


#28

Bromochloromethane
Concen: 45.535 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion: 49 Resp: 99195
Ion Ratio Lower Upper
49 100
129 0.5 0.0 1.4
130 0.0 45.5 68.3#

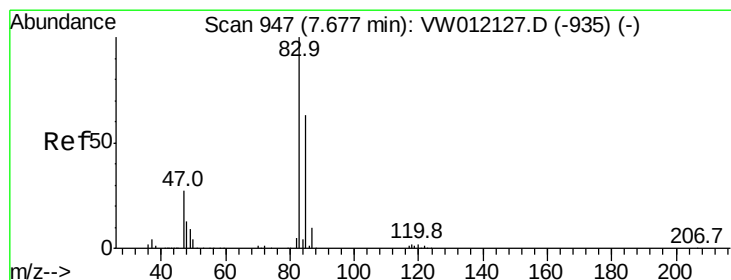
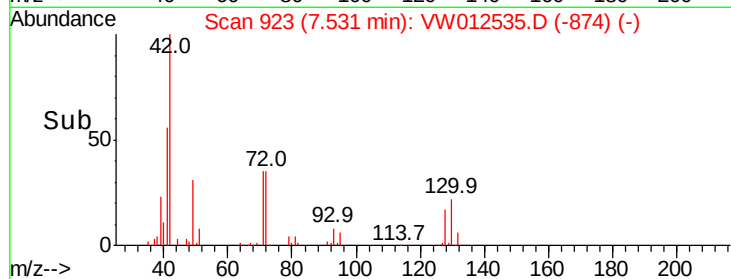
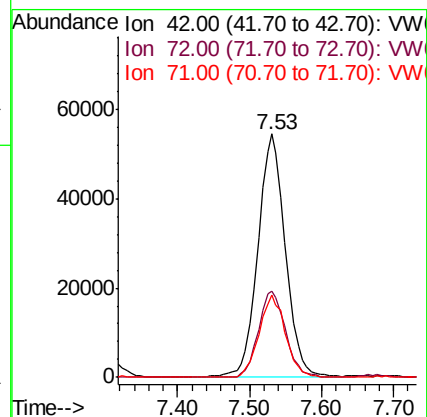
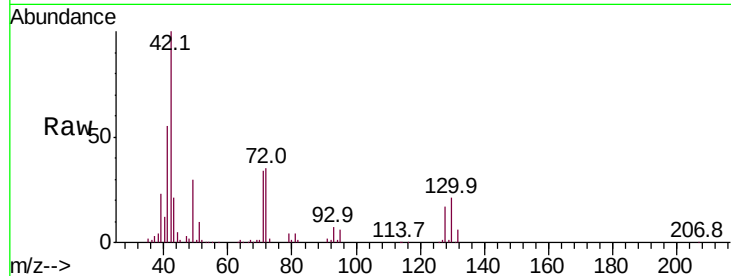




#29
Tetrahydrofuran
Concen: 252.279 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

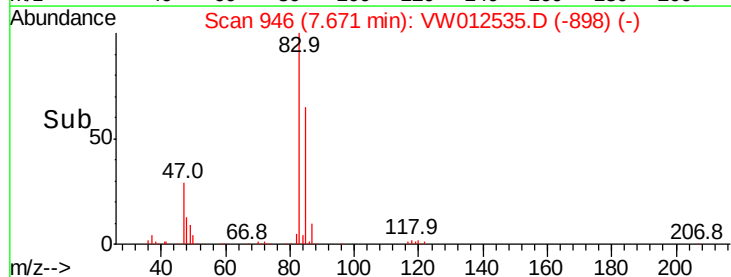
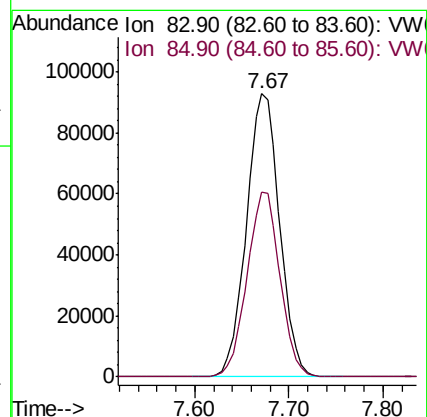
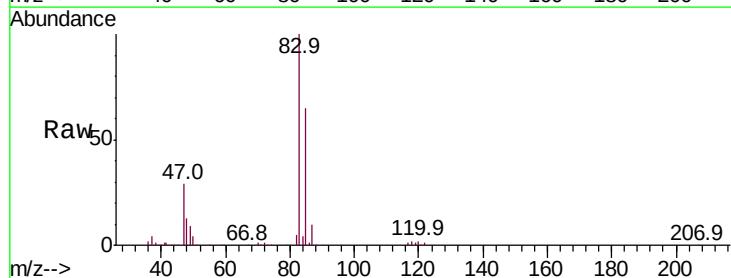
Instrument :
MSVOA_W
ClientSampleId :

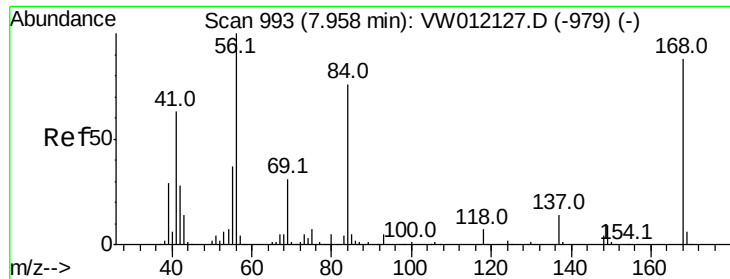
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	27.3	40.9
71	32.6	25.5	38.3



#30
Chloroform
Concen: 50.067 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	76.0

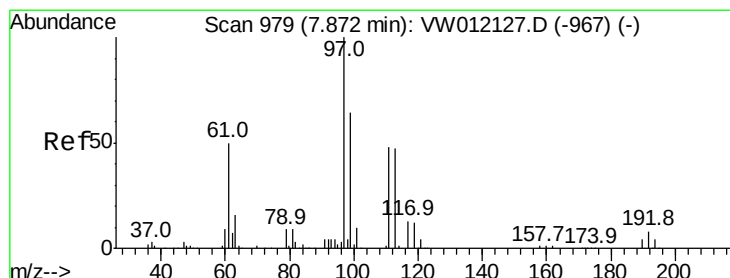
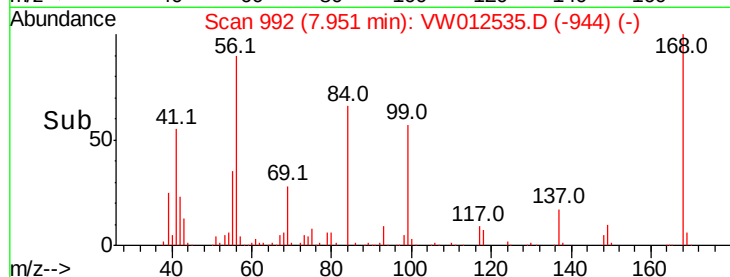
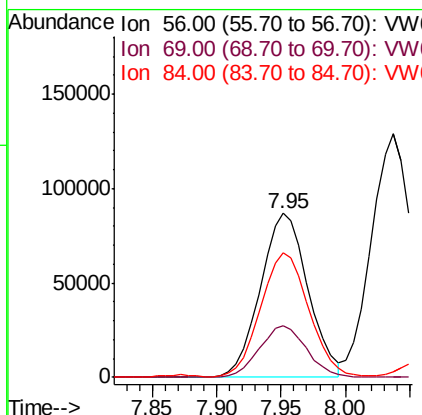
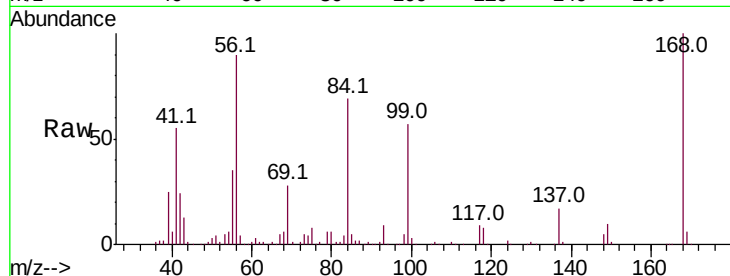




#31
Cyclohexane
Concen: 45.075 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

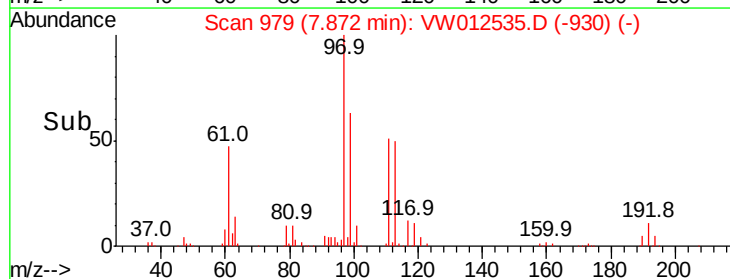
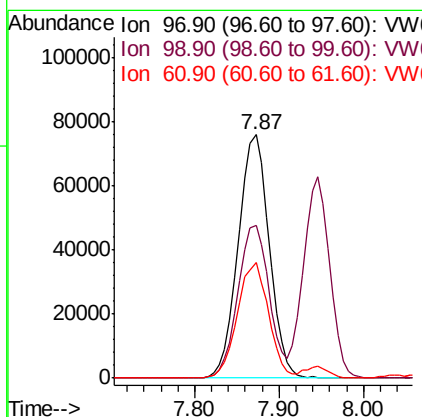
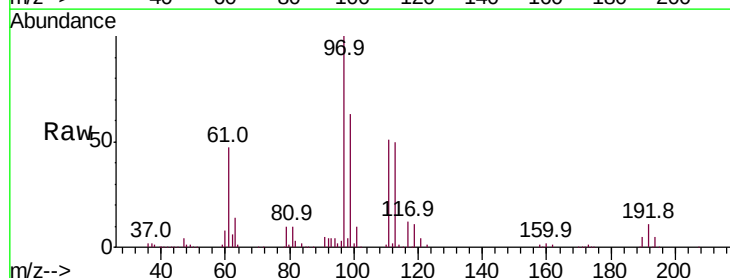
Instrument :
MSVOA_W
ClientSampled :

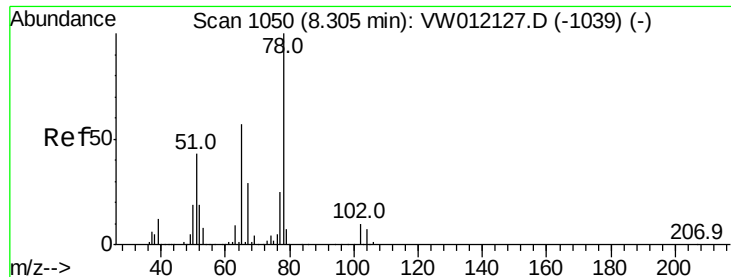
Tot Ion: 56 Resp: 222894
Ion Ratio Lower Upper
56 100
69 31.3 24.9 37.3
84 75.2 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 52.154 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion: 97 Resp: 188663
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 47.5 39.5 59.3

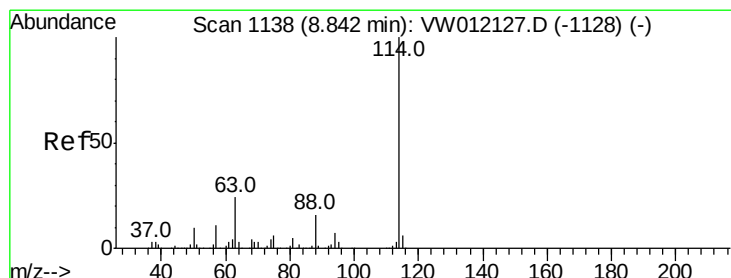
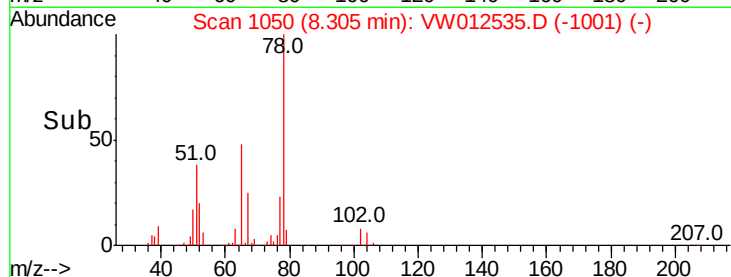
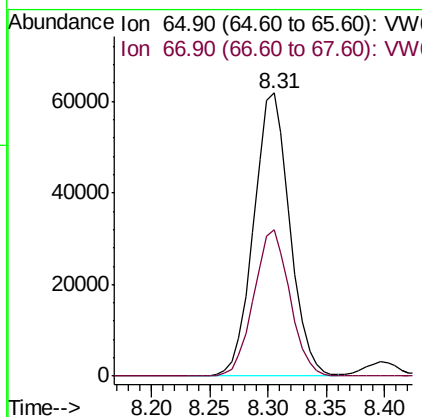
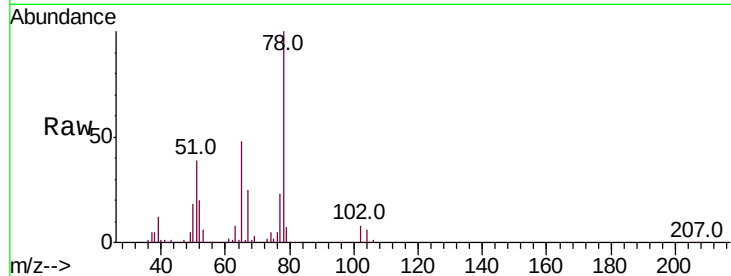




#33
 1,2-Dichloroethane-d4
 Concen: 48.556 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

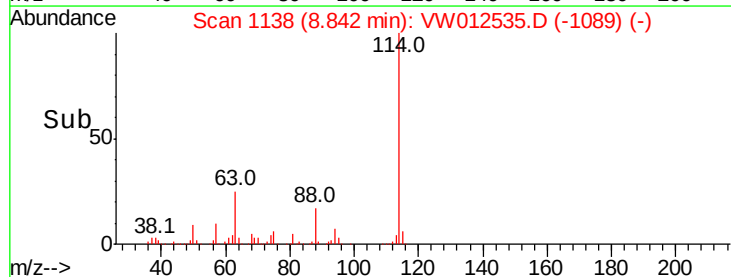
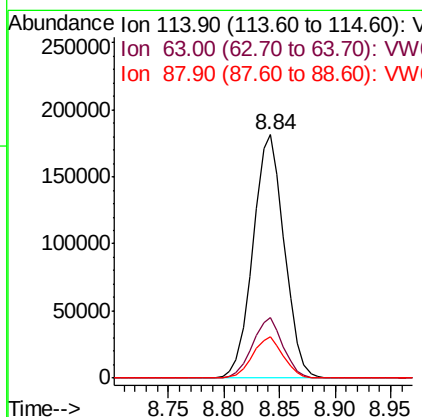
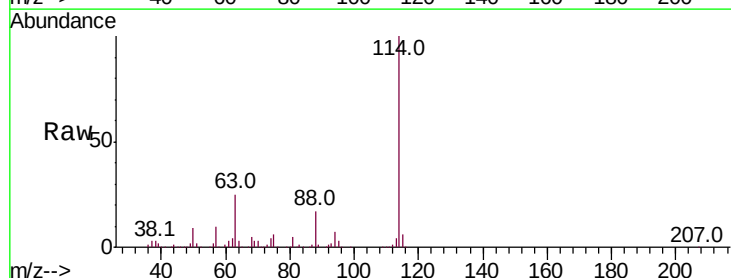
Instrument :
 MSVOA_W
 ClientSampled :

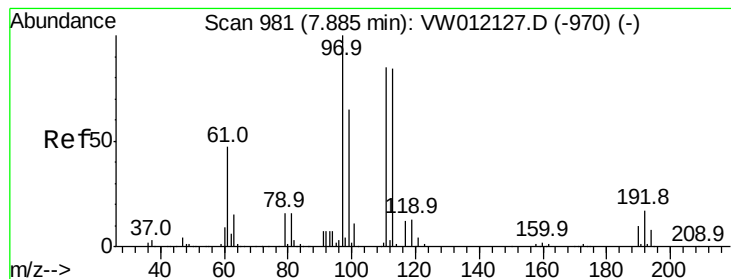
Tot Ion: 65 Resp: 133303
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 114 Resp: 354708
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.125 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :

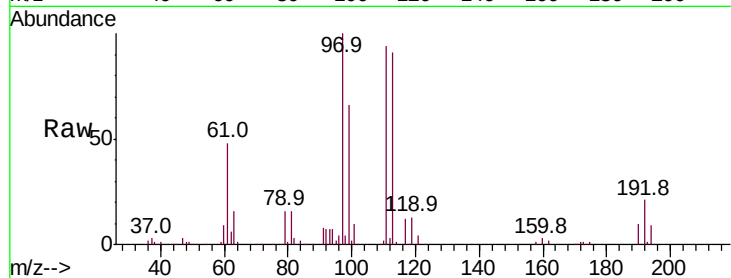
Tot Ion:113 Resp: 108245

Ion Ratio Lower Upper

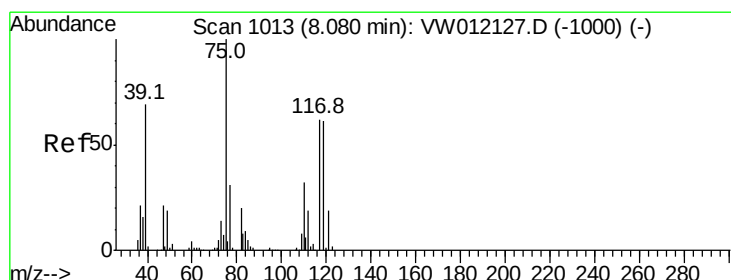
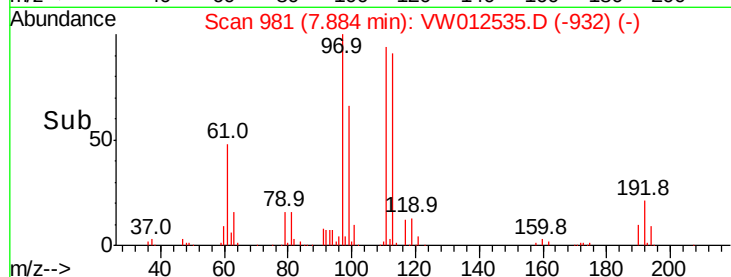
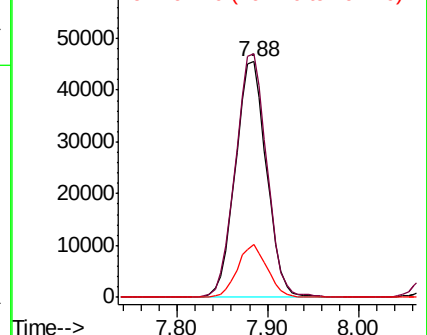
113 100

111 104.2 82.7 124.1

192 21.3 16.2 24.2



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: 51.790 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

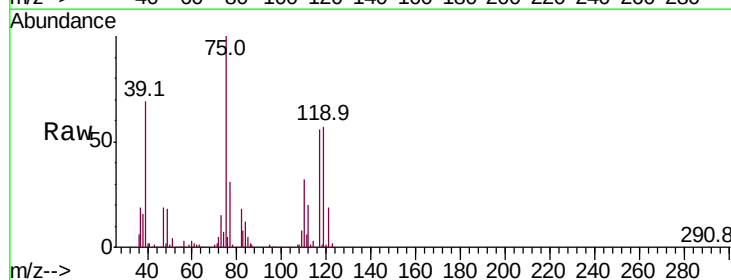
Tgt Ion: 75 Resp: 189837

Ion Ratio Lower Upper

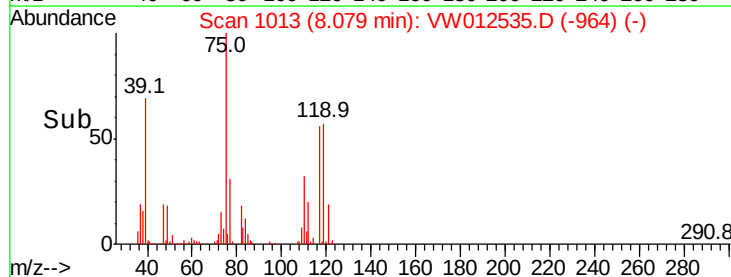
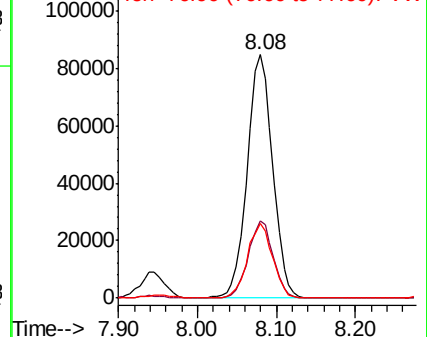
75 100

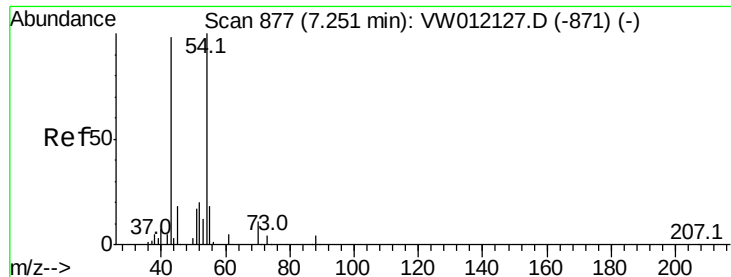
110 31.1 15.6 46.8

77 30.5 24.6 36.8



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: 49.426 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampled :

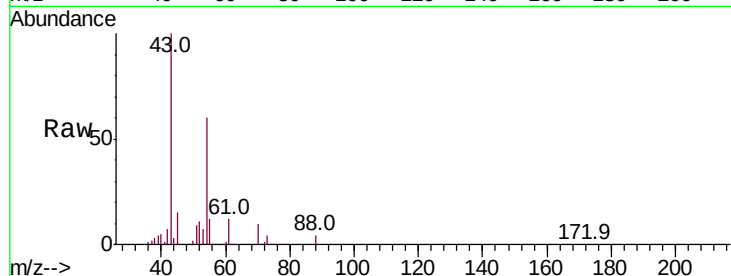
Tot Ion: 43 Resp: 99278

Ion Ratio Lower Upper

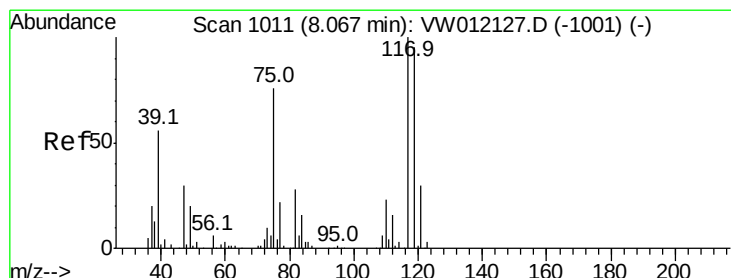
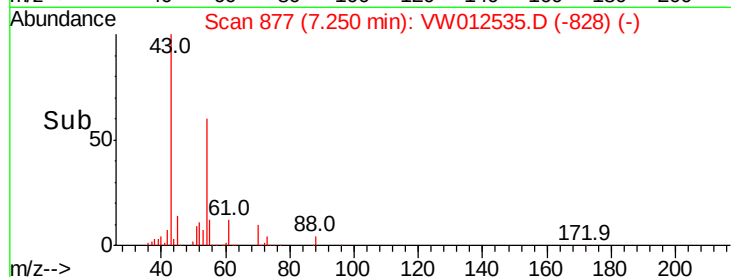
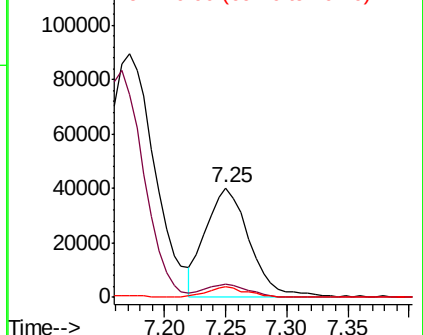
43 100

61 12.4 9.2 13.8

70 9.0 6.9 10.3



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



#38

Carbon Tetrachloride

Concen: 53.237 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

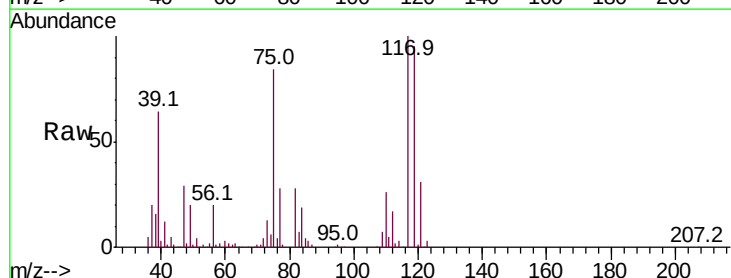
Tgt Ion: 117 Resp: 168899

Ion Ratio Lower Upper

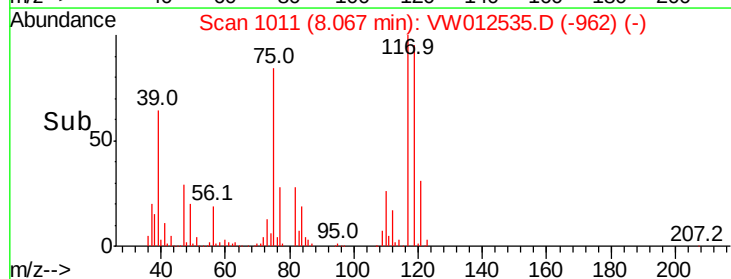
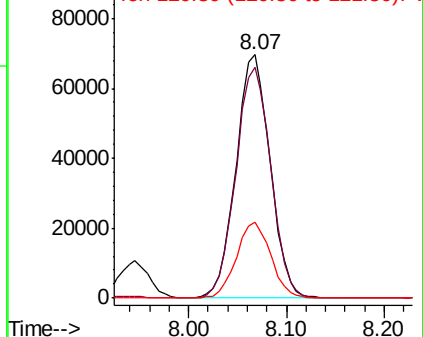
117 100

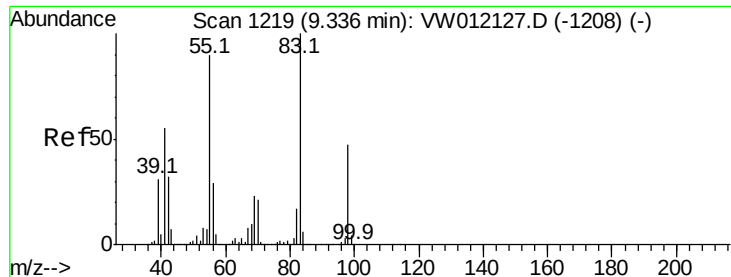
119 95.0 76.2 114.2

121 31.2 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

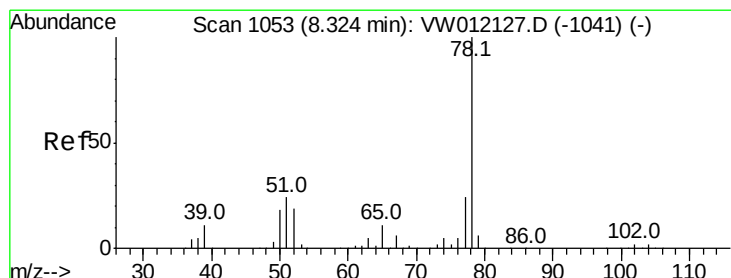
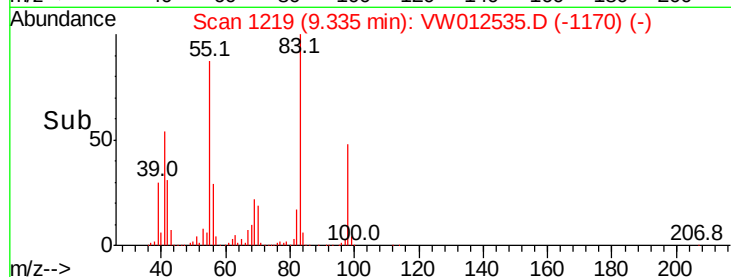
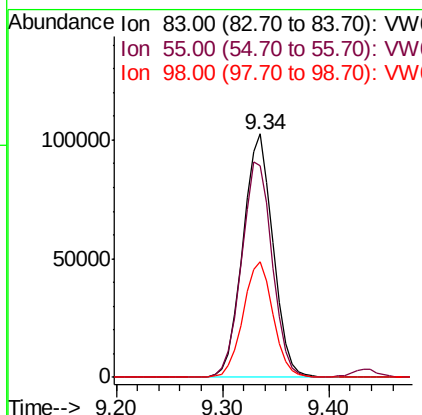
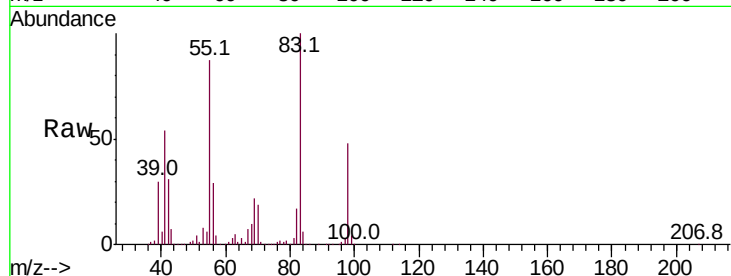




#39
Methylvlcyclohexane
Concen: 49.651 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

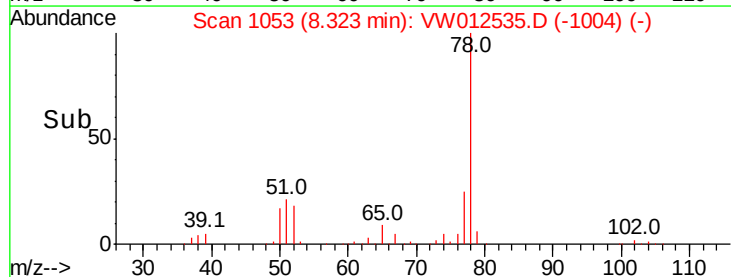
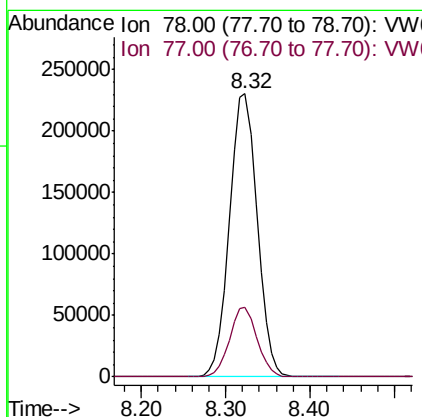
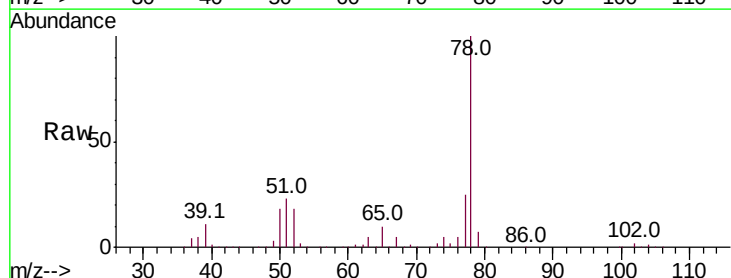
Instrument :
MSVOA_W
ClientSampled :

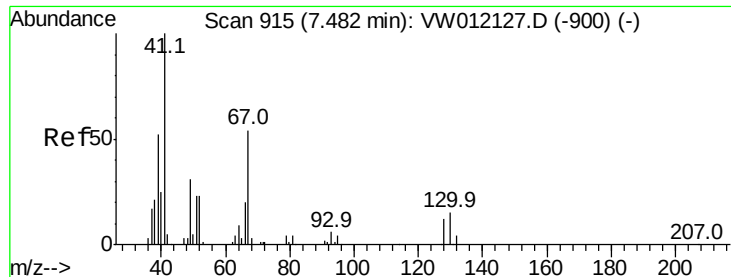
Tot Ion: 83 Resp: 204459
Ion Ratio Lower Upper
83 100
55 87.2 71.8 107.8
98 47.7 37.8 56.8



#40
Benzene
Concen: 51.115 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion: 78 Resp: 511608
Ion Ratio Lower Upper
78 100
77 24.7 19.5 29.3

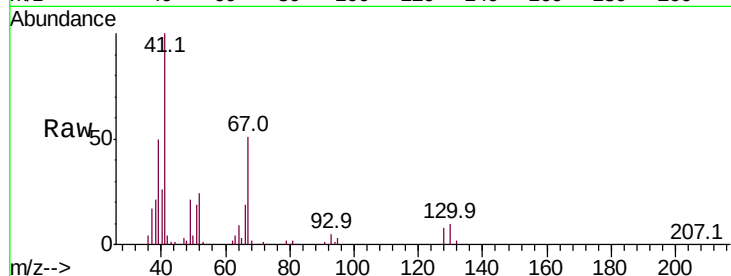




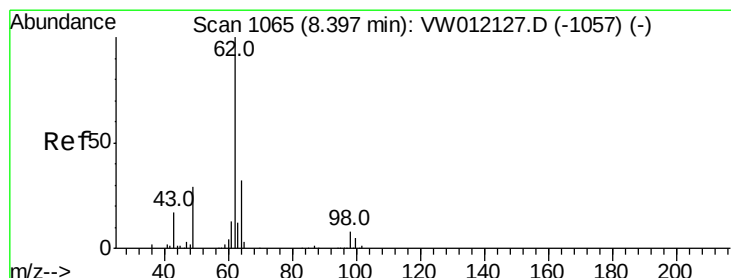
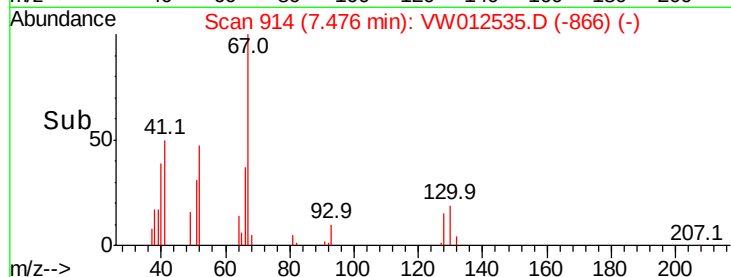
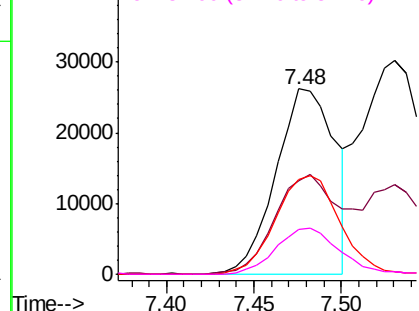
#41
Methacrylonitrile
Concen: 52.172 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	61591
Ion	Ratio	Lower	Upper
41	100		
39	53.9	45.8	68.8
67	58.1	46.2	69.4
52	27.0	21.0	31.6

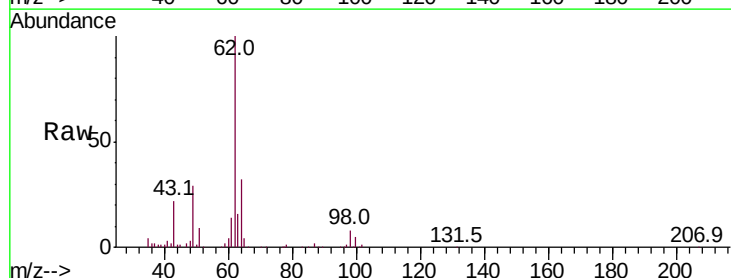


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

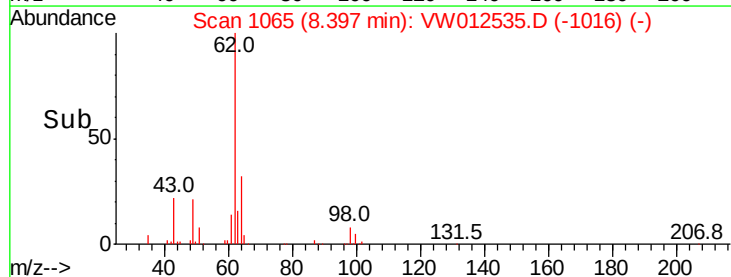
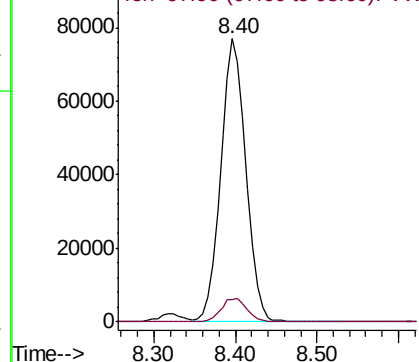


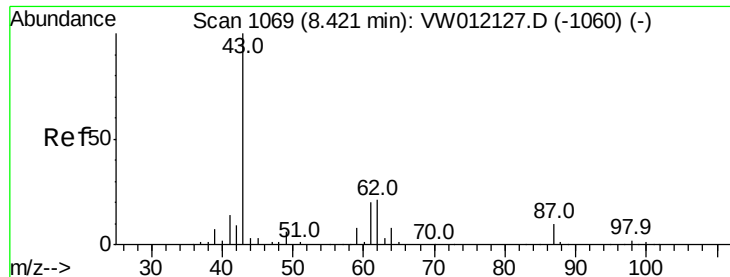
#42
1,2-Dichloroethane
Concen: 52.477 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion:	62	Resp:	164615
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 52.489 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampled :

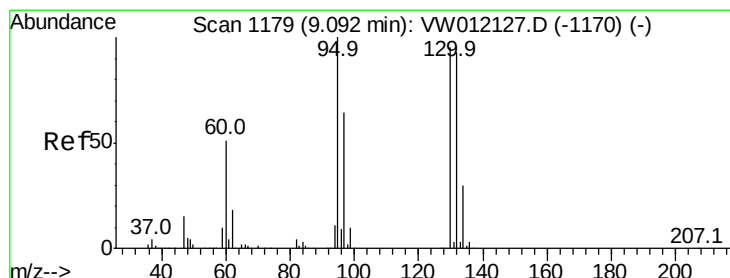
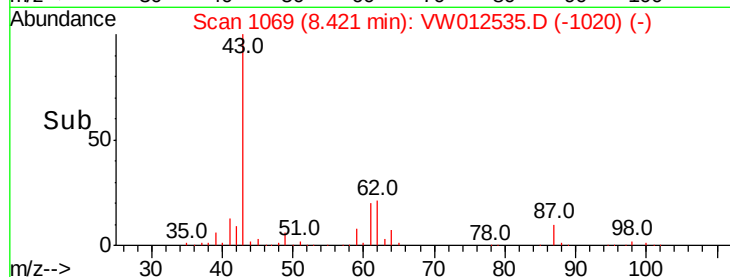
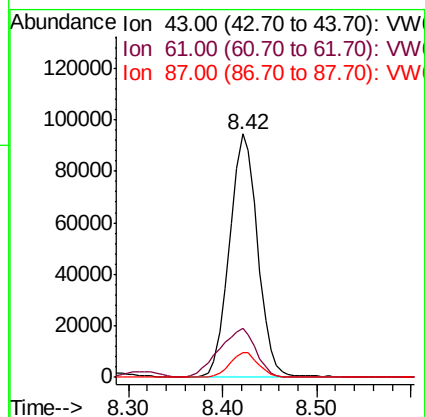
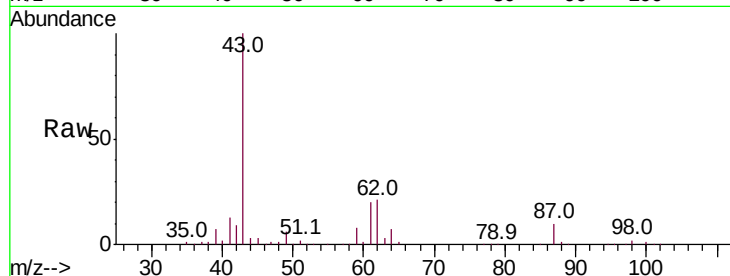
Tot Ion: 43 Resp: 195294

Ion Ratio Lower Upper

43 100

61 26.5 21.1 31.7

87 10.4 8.2 12.2



#44

Trichloroethene

Concen: 53.498 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012535.D

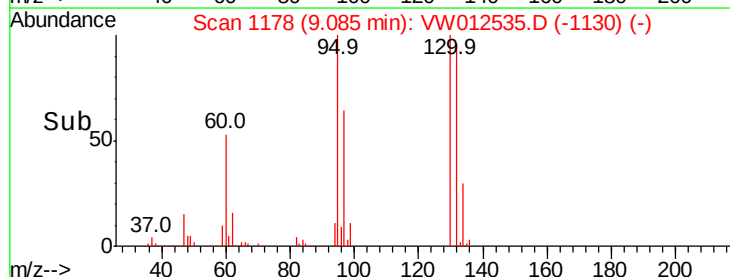
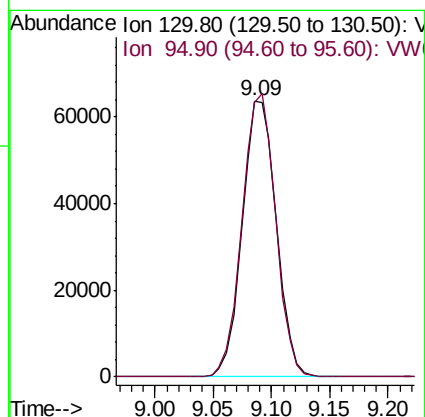
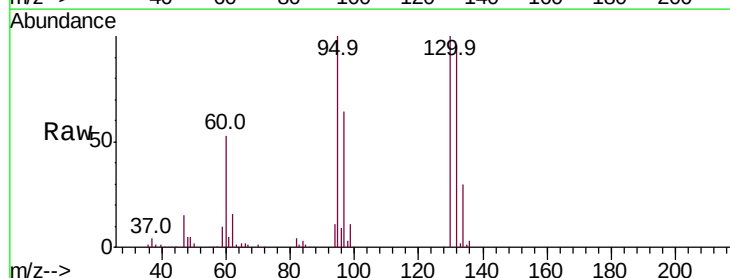
Acq: 03 Sep 2019 09:08

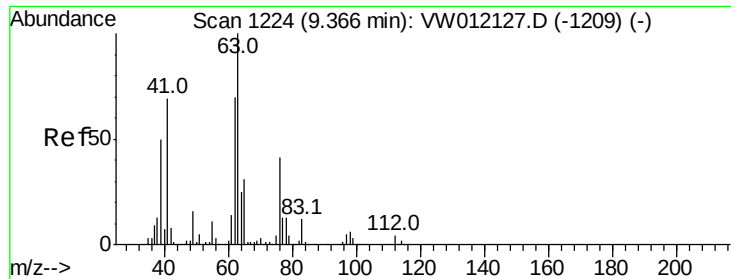
Tgt Ion:130 Resp: 130167

Ion Ratio Lower Upper

130 100

95 99.7 0.0 210.6

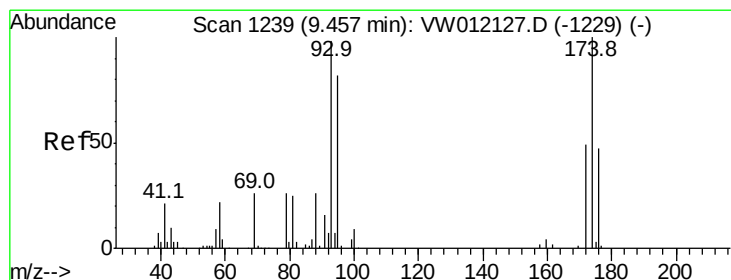
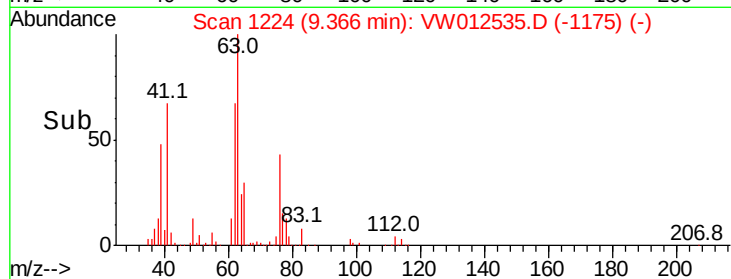
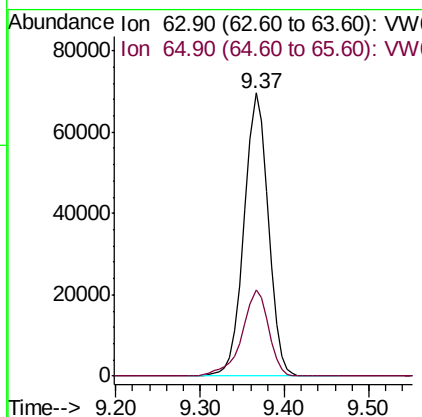
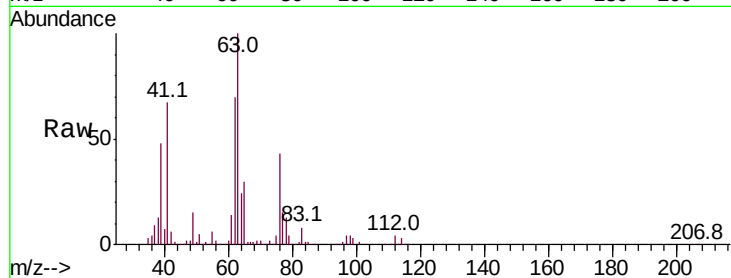




#45
 1,2-Dichloropropane
 Concen: 49.881 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

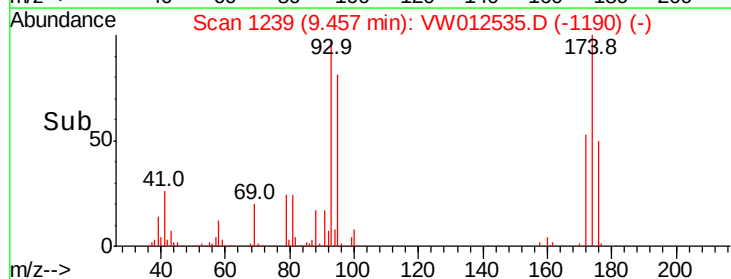
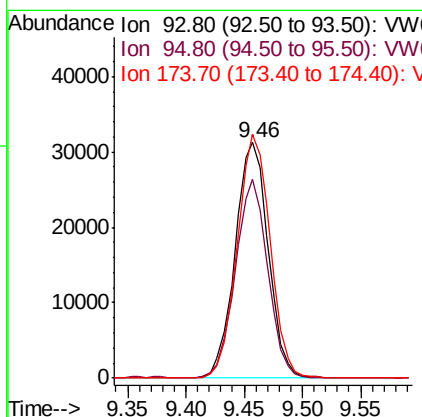
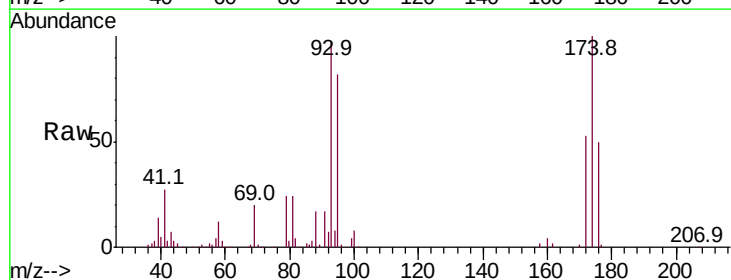
Instrument :
 MSVOA_W
 ClientSampleId :

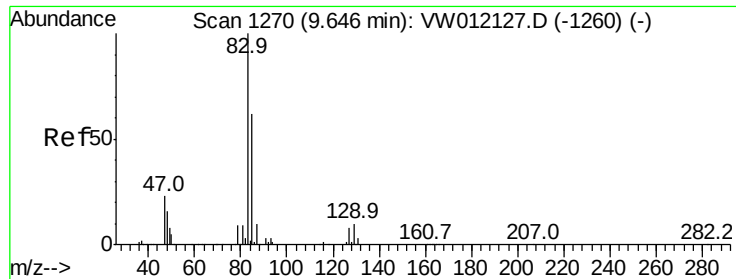
Tot Ion: 63 Resp: 134365
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4



#46
 Dibromomethane
 Concen: 51.648 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 93 Resp: 61901
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.2 100.8
 174 103.0 79.0 118.6





#47

Bromodichloromethane

Concen: 52.586 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampled :

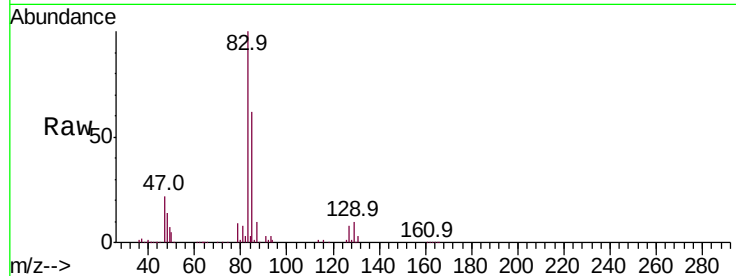
Tot Ion: 83 Resp: 167735

Ion Ratio Lower Upper

83 100

85 62.4 49.4 74.2

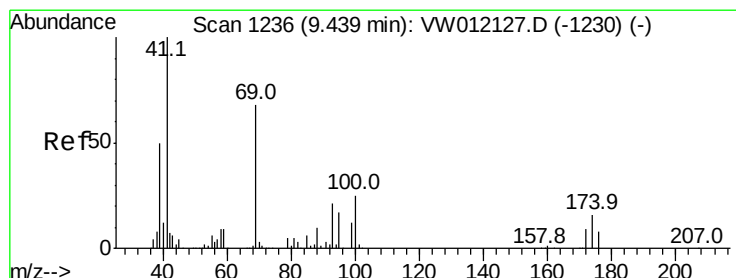
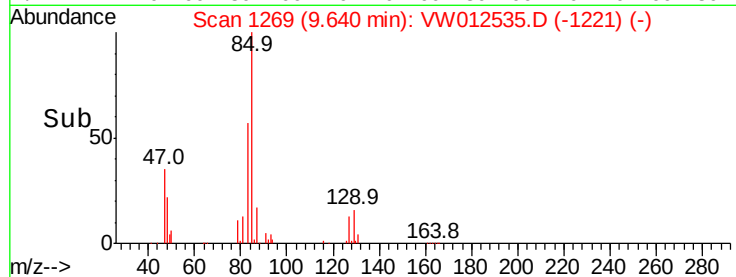
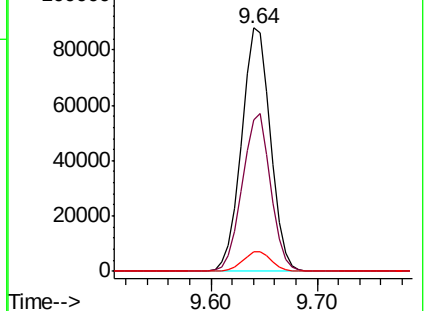
127 8.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 52.831 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

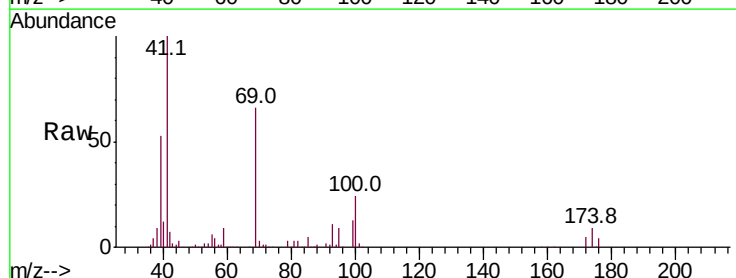
Tgt Ion: 41 Resp: 93555

Ion Ratio Lower Upper

41 100

69 71.8 56.7 85.1

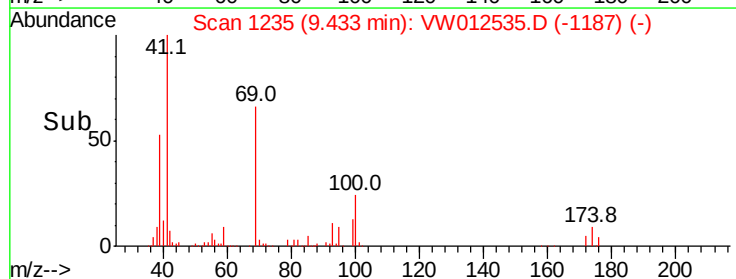
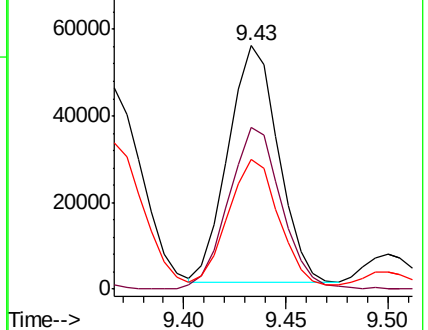
39 52.8 42.0 63.0

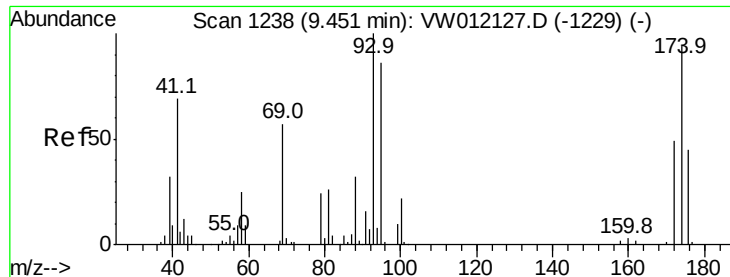


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 999.796 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampled :

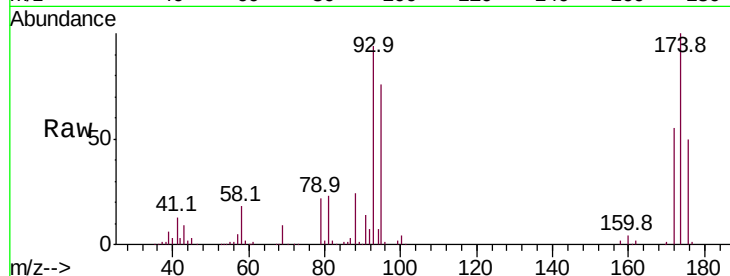
Tot Ion: 88 Resp: 18344

Ion Ratio Lower Upper

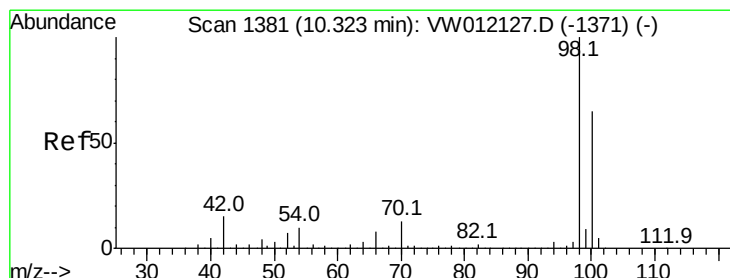
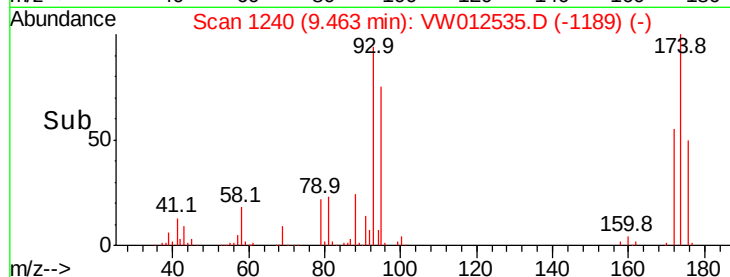
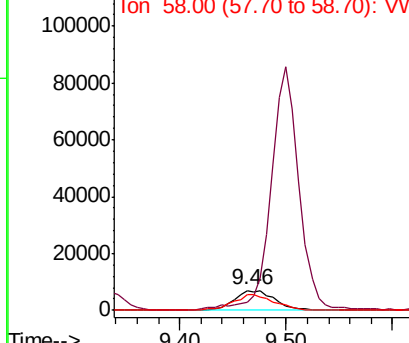
88 100

43 0.0 32.9 49.3#

58 84.4 71.0 106.4



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



#50

Toluene-d8

Concen: 50.389 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012535.D

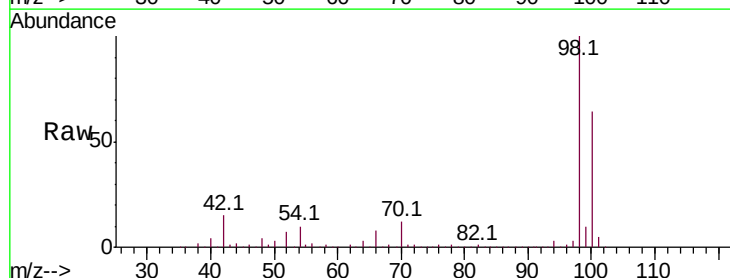
Acq: 03 Sep 2019 09:08

Tgt Ion: 98 Resp: 432587

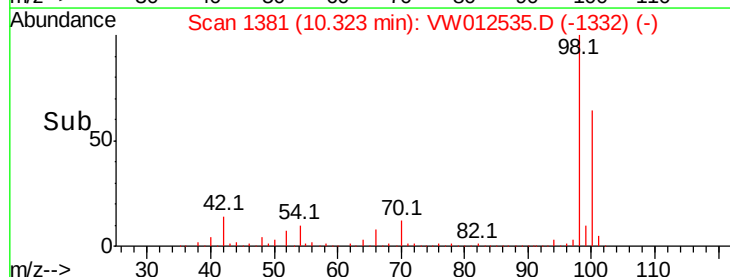
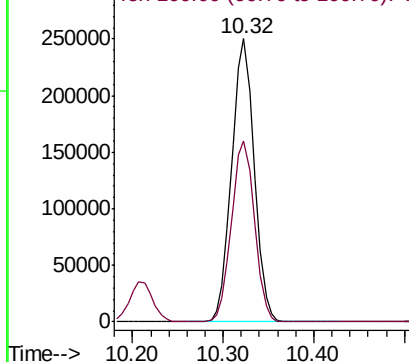
Ion Ratio Lower Upper

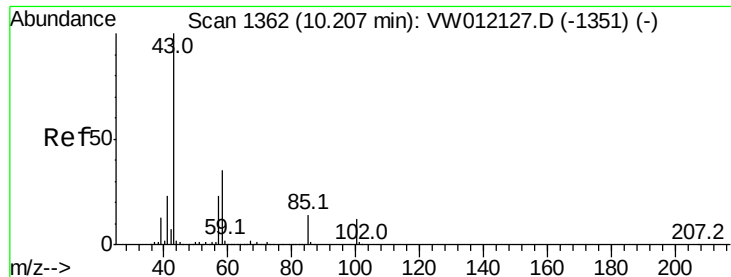
98 100

100 65.3 52.4 78.6



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

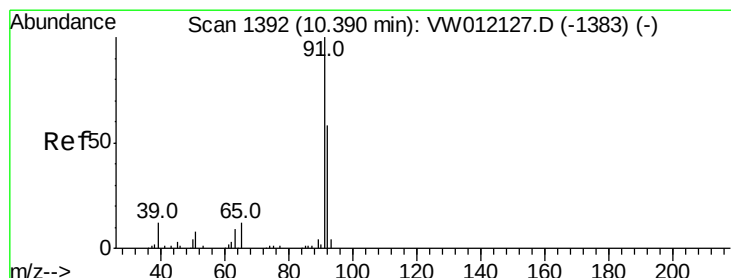
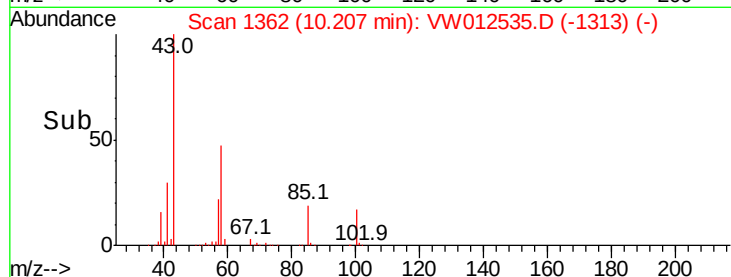
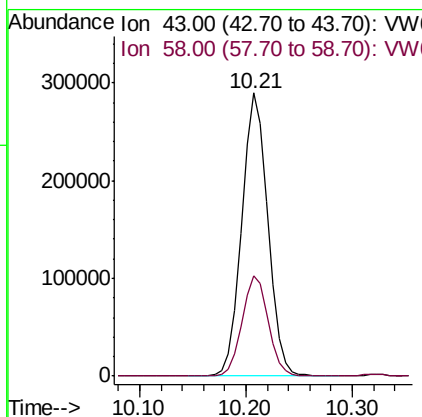
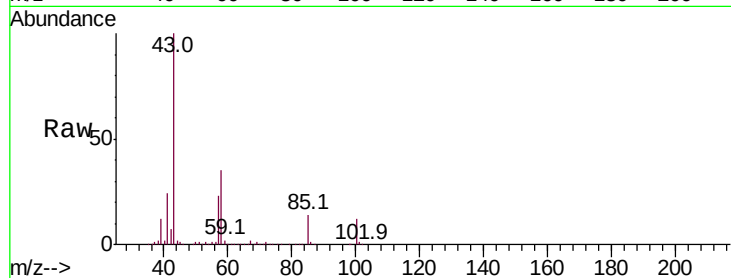




#51
4-Methyl-2-Pentanone
Concen: 263.562 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

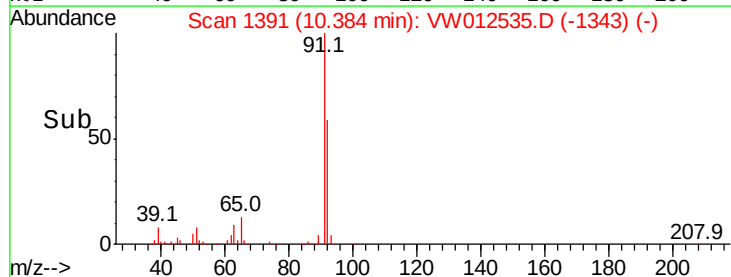
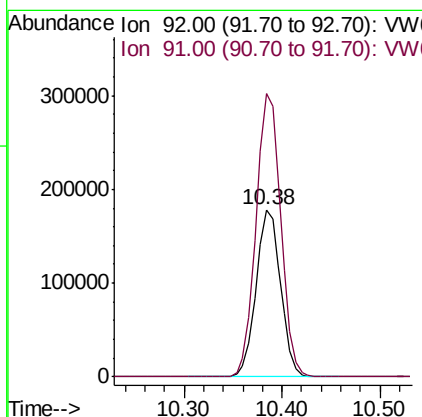
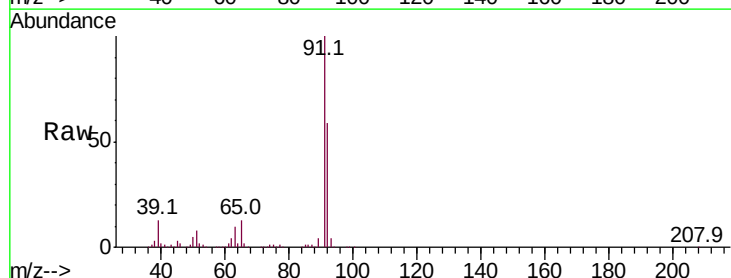
Instrument :
MSVOA_W
ClientSampled :

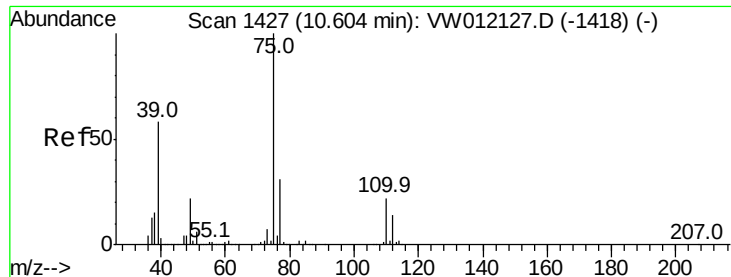
Tot Ion: 43 Resp: 498771
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.2



#52
Toluene
Concen: 51.742 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion: 92 Resp: 311113
Ion Ratio Lower Upper
92 100
91 172.1 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 54.406 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

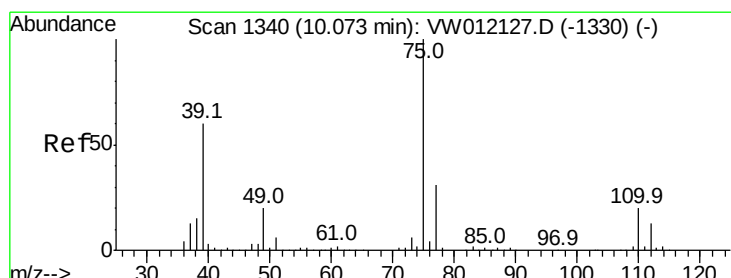
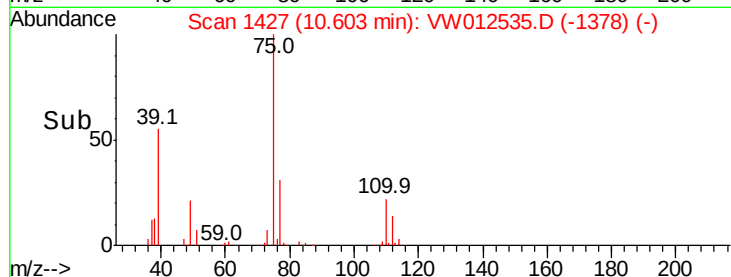
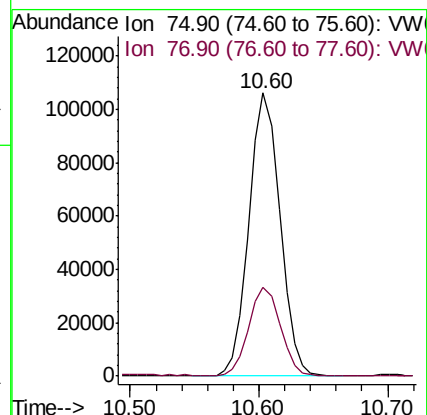
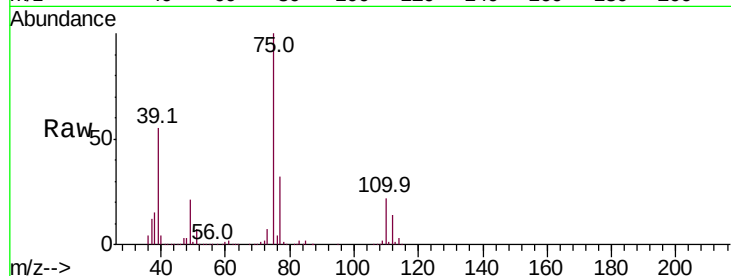
ClientSampled :

Tot Ion: 75 Resp: 176773

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.017 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

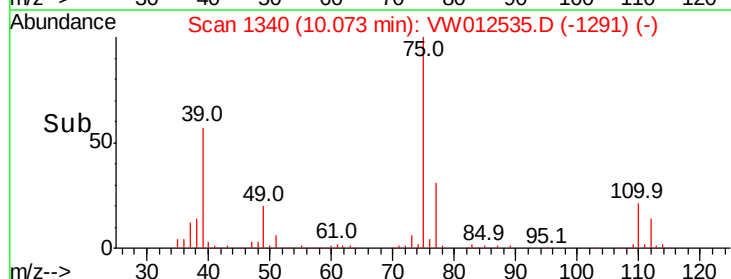
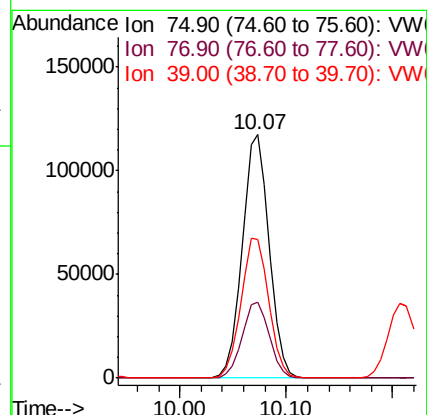
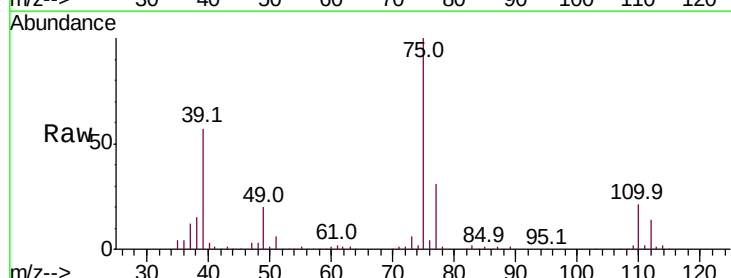
Tgt Ion: 75 Resp: 207993

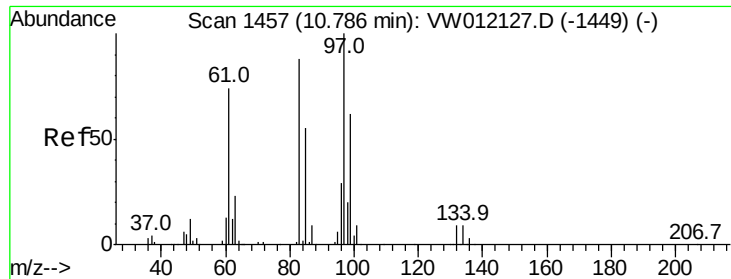
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 57.1 48.3 72.5



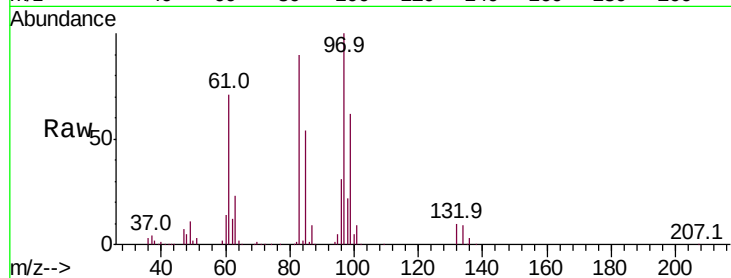


#55
 1,1,2-Trichloroethane
 Concen: 52.119 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

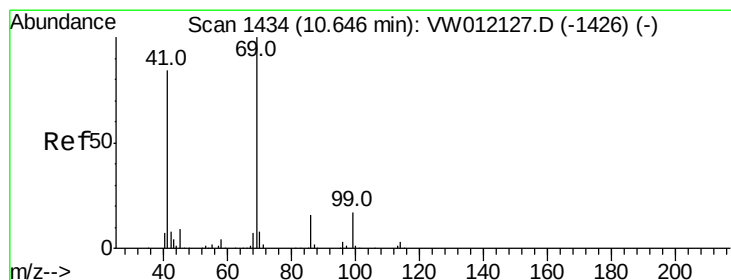
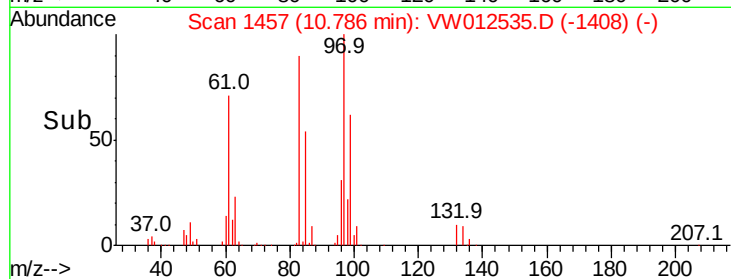
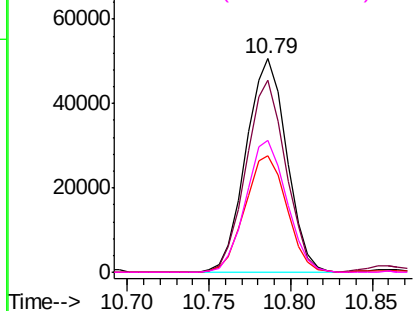
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 88379

Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.8	106.2
85	54.4	43.8	65.8
99	62.0	49.8	74.6



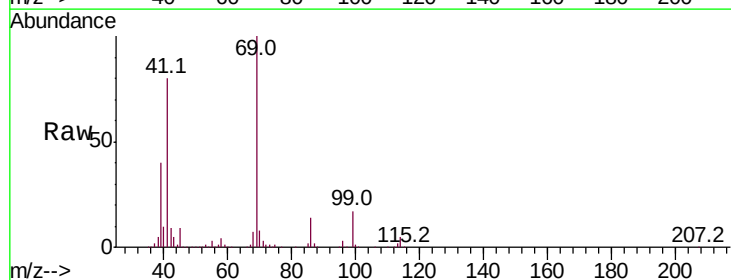
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



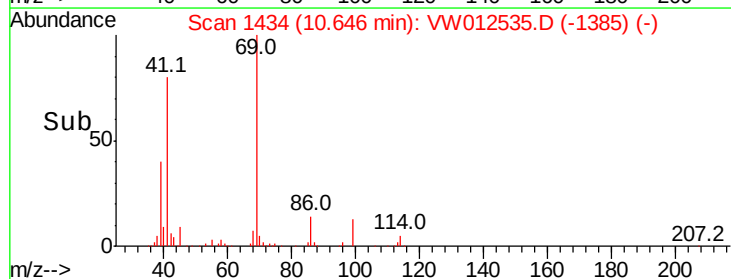
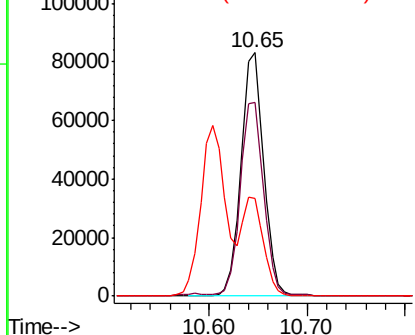
#56
 Ethyl methacrylate
 Concen: 54.333 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

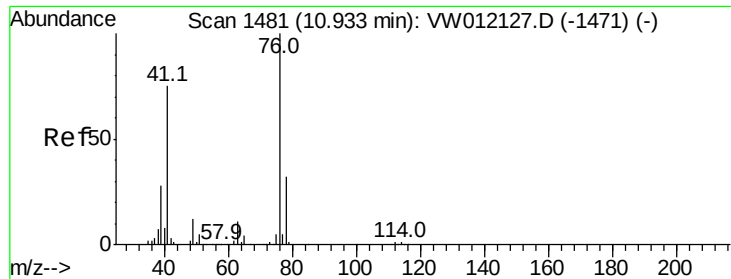
Tgt Ion: 69 Resp: 134093

Ion	Ratio	Lower	Upper
69	100		
41	81.5	66.5	99.7
39	37.7	31.0	46.4



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

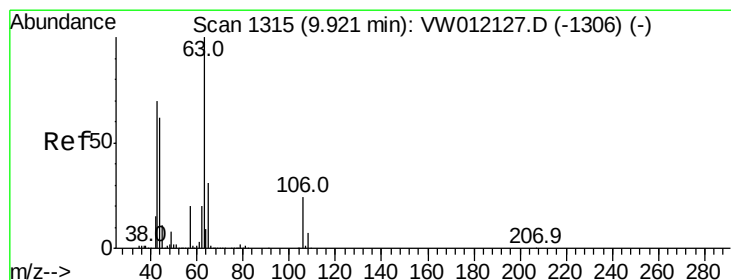
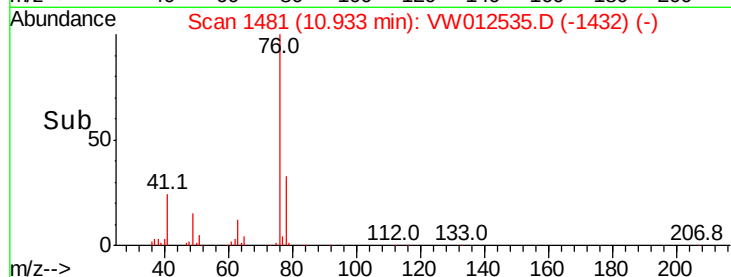
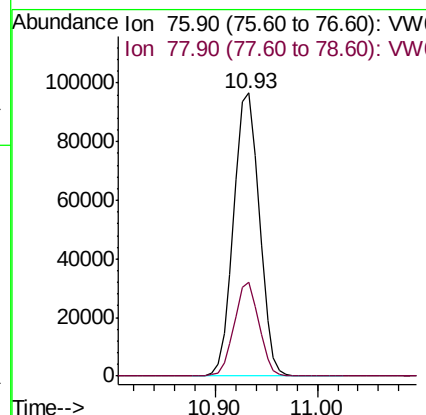
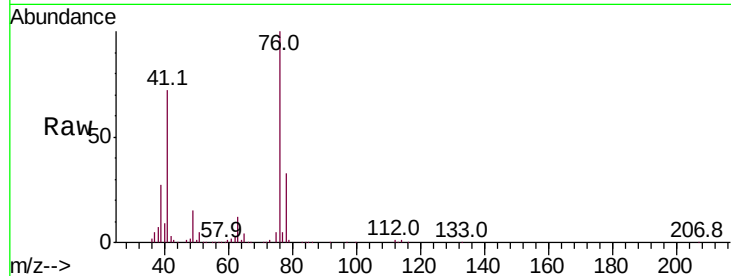




#57
 1,3-Dichloropropane
 Concen: 52.594 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

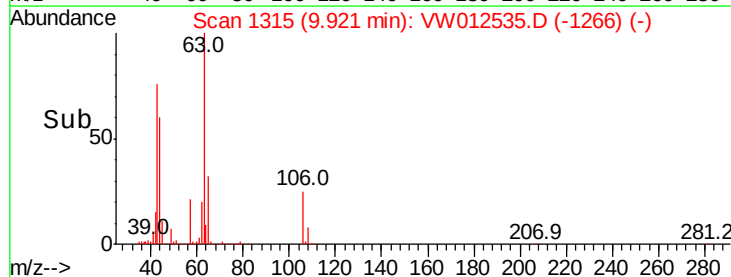
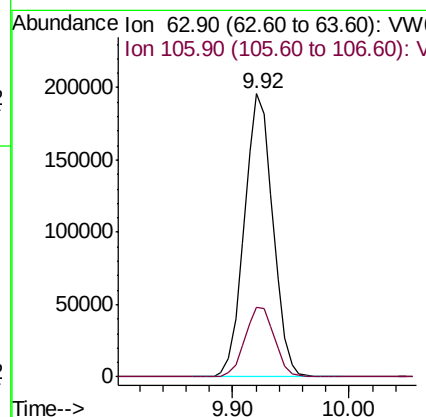
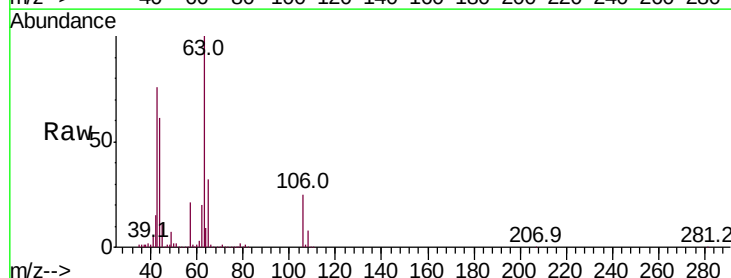
Instrument :
 MSVOA_W
 ClientSampled :

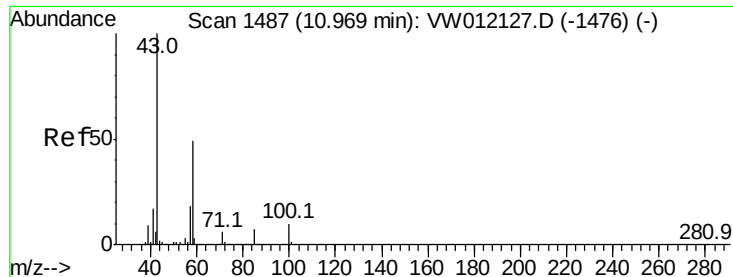
Tot Ion: 76 Resp: 168537
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.905 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 63 Resp: 335535
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.8 29.8

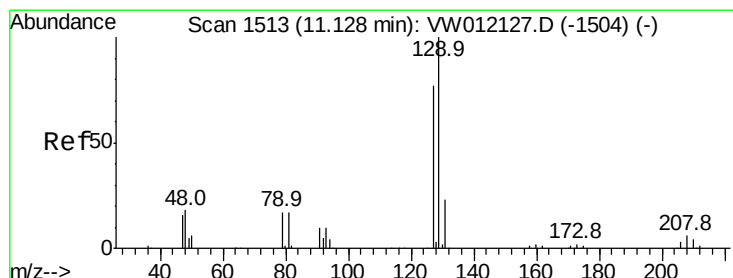
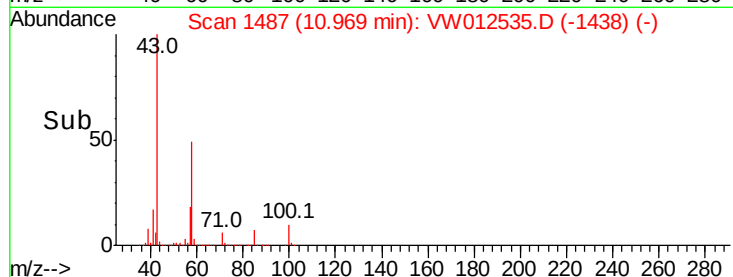
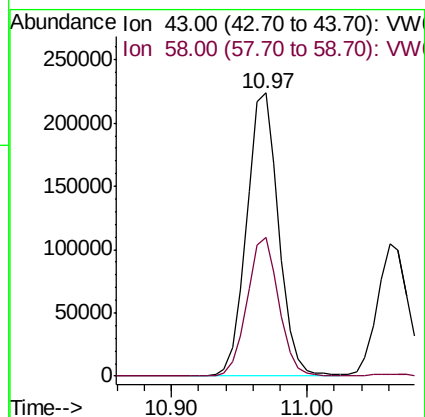
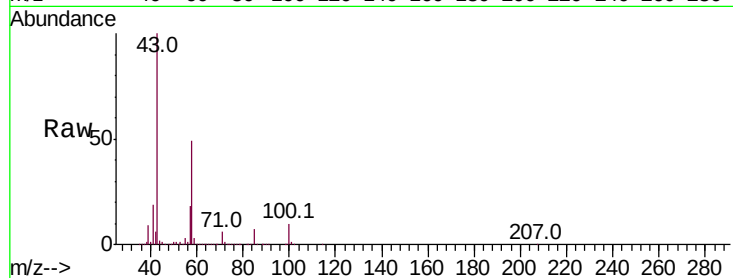




#59
2-Hexanone
Concen: 274.912 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

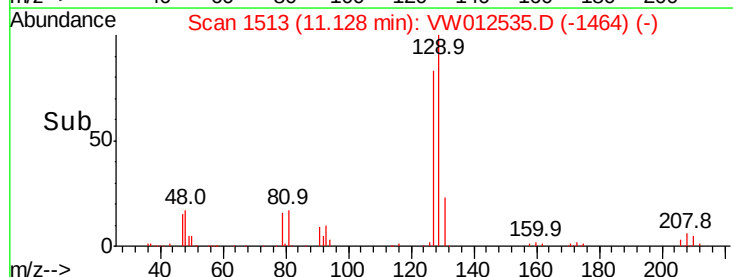
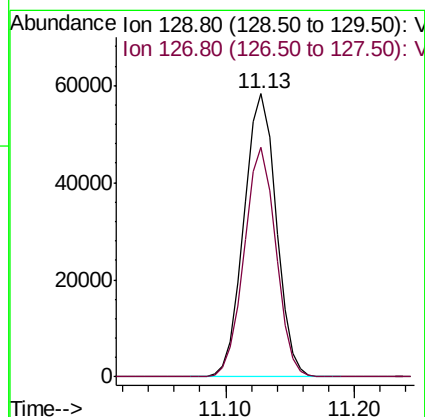
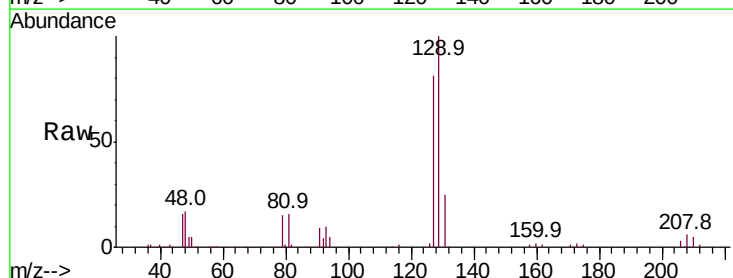
Instrument :
MSVOA_W
ClientSampleId :

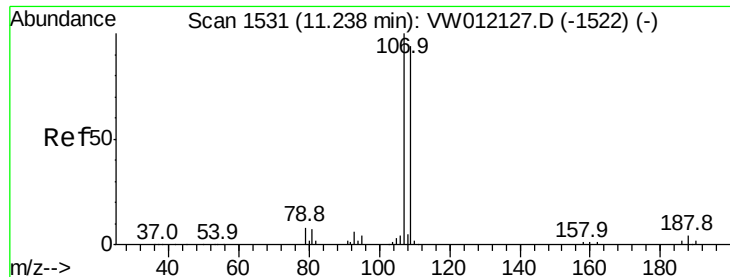
Tot Ion: 43 Resp: 368111
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9



#60
Dibromochloromethane
Concen: 53.517 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion: 129 Resp: 101081
Ion Ratio Lower Upper
129 100
127 79.3 38.6 115.8

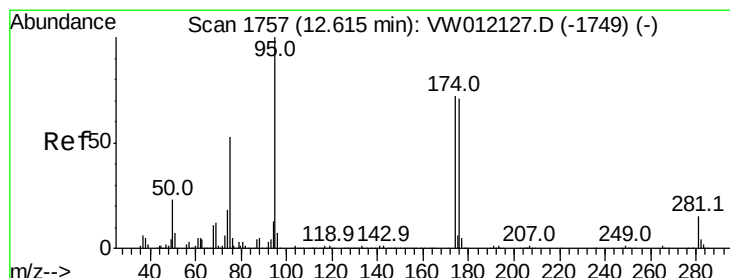
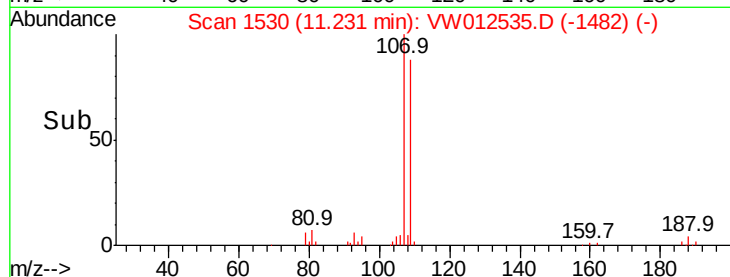
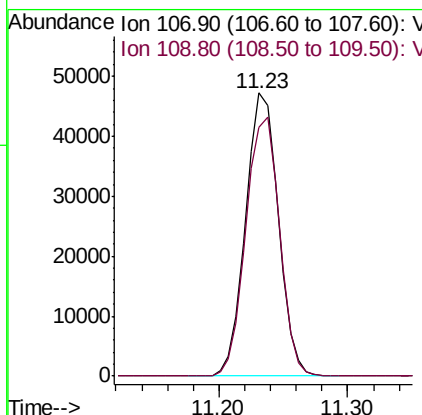
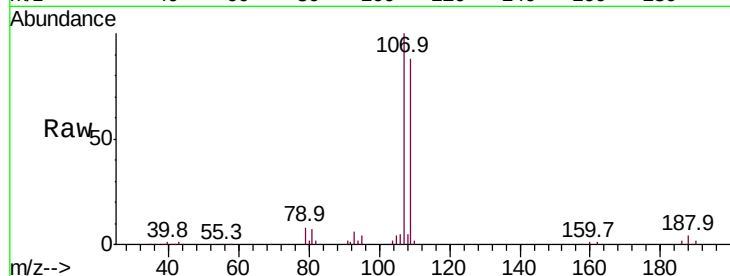




#61
 1,2-Dibromoethane
 Concen: 52.442 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

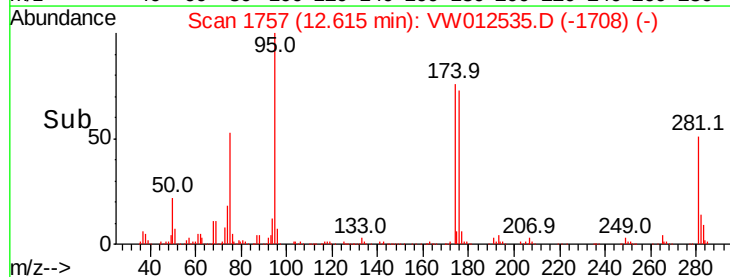
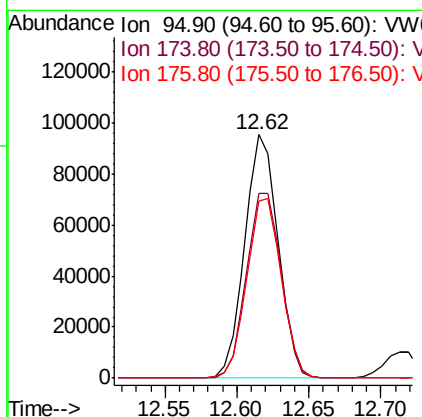
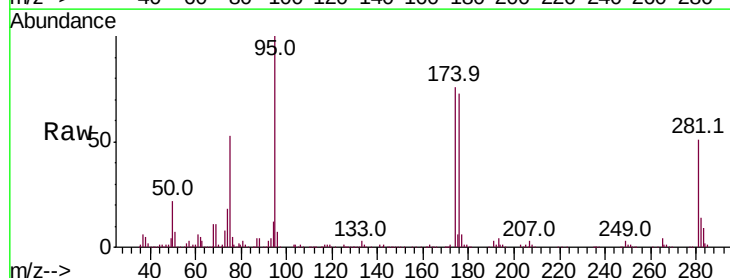
Instrument :
 MSVOA_W
 ClientSampled :

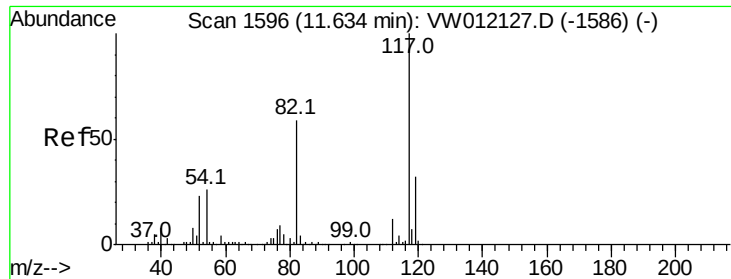
Tot Ion:107 Resp: 82847
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.451 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 95 Resp: 152674
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 150.8
 176 76.1 0.0 148.6

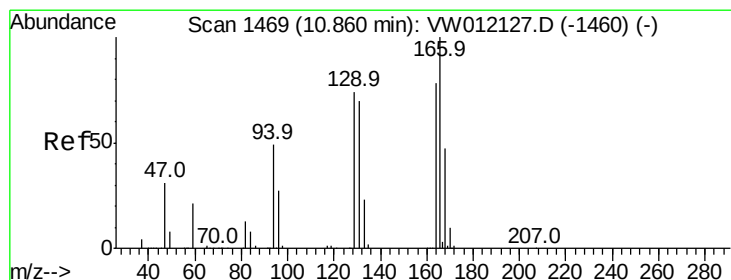
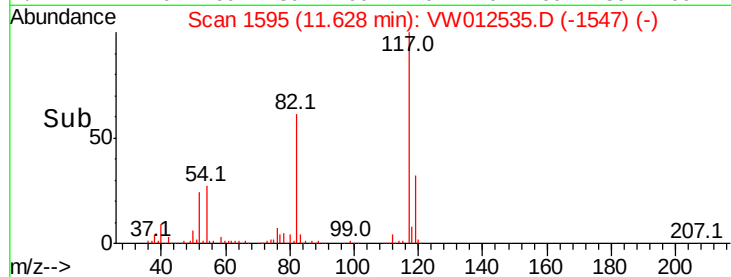
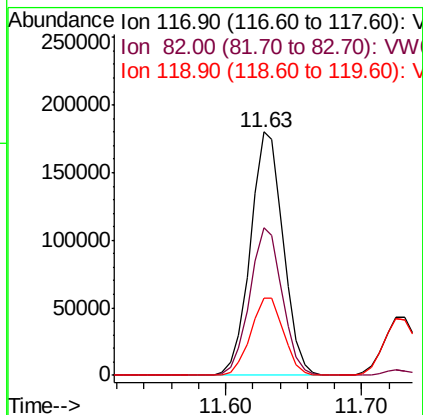
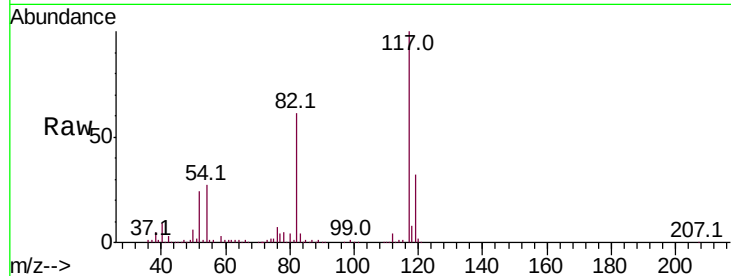




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

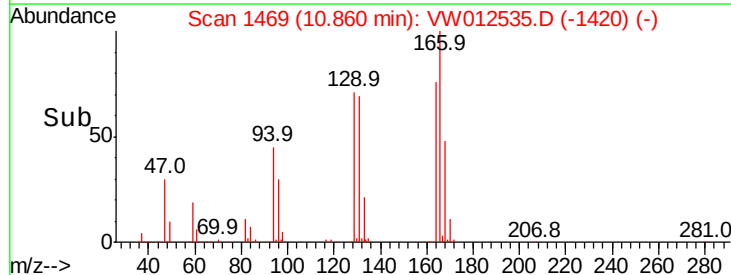
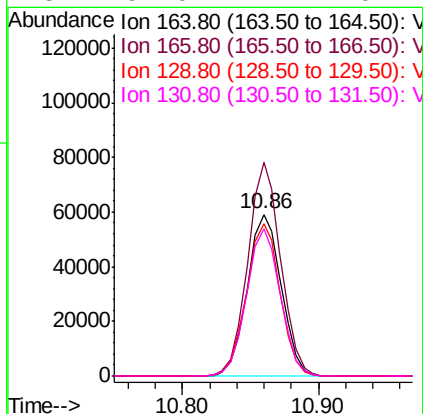
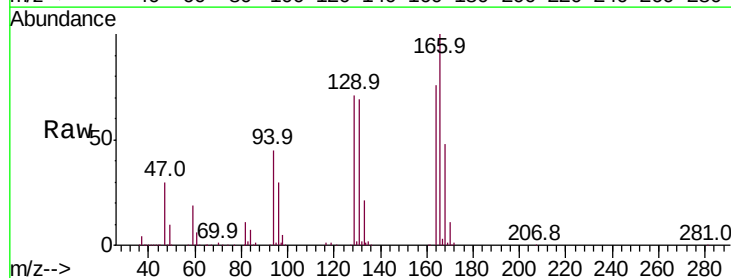
Instrument :
MSVOA_W
ClientSampleId :

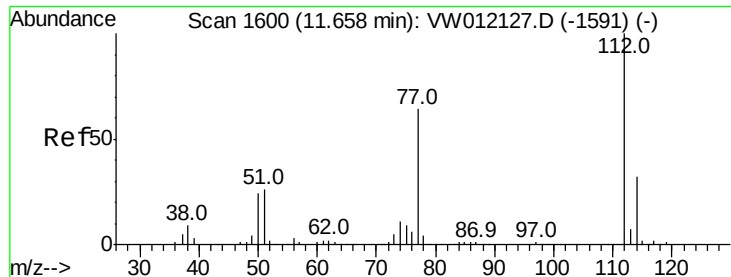
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.4	71.2
119	31.7	25.4	38.2



#64
Tetrachloroethene
Concen: 52.549 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	102.4	153.6
129	94.1	75.8	113.6
131	91.0	71.4	107.2





#65

Chlorobenzene

Concen: 52.946 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

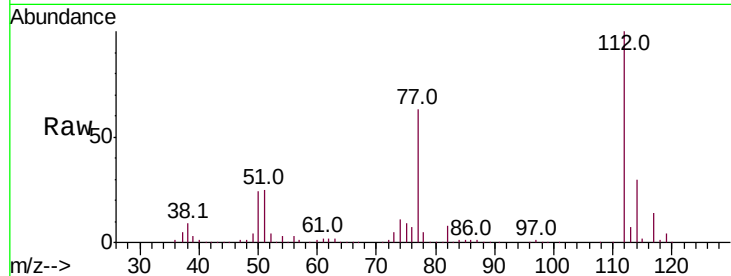
ClientSampleId :

Tot Ion:112 Resp: 316623

Ion Ratio Lower Upper

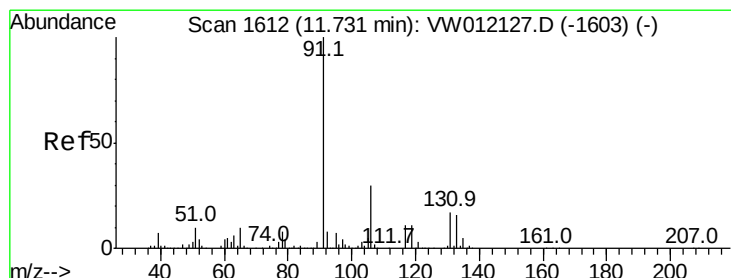
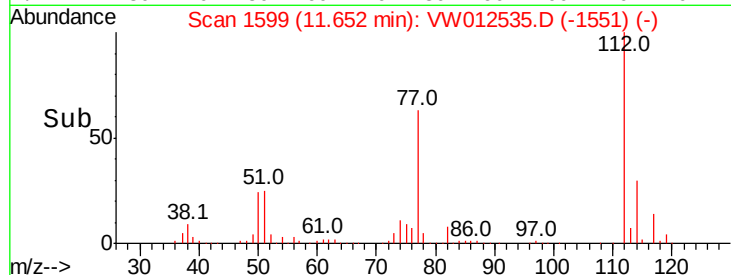
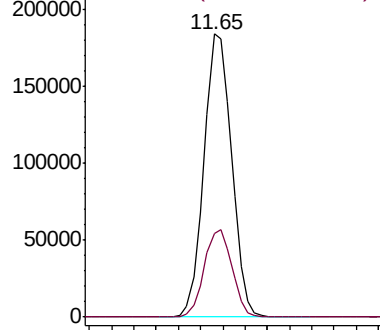
112 100

114 29.8 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.089 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

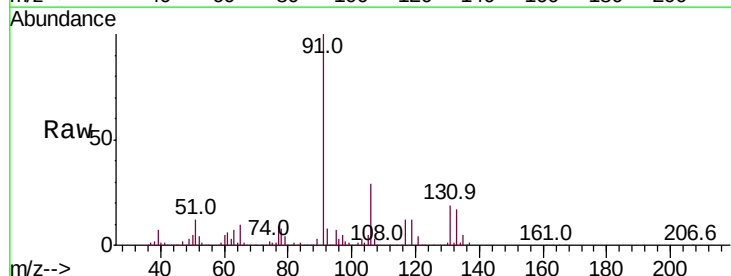
Tgt Ion:131 Resp: 112840

Ion Ratio Lower Upper

131 100

133 95.9 47.1 141.3

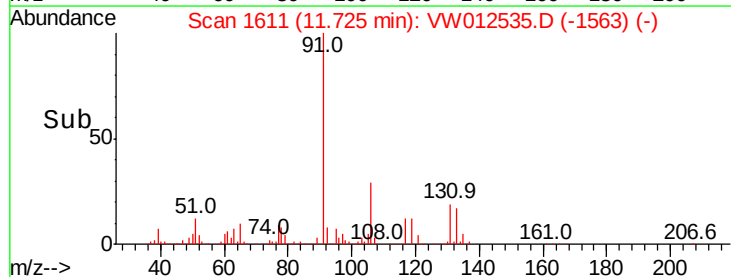
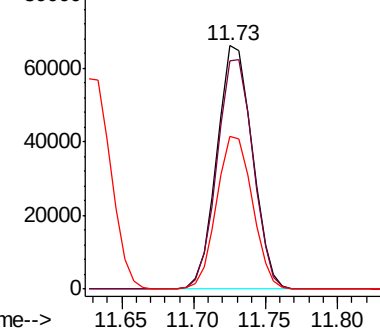
119 63.6 31.8 95.3

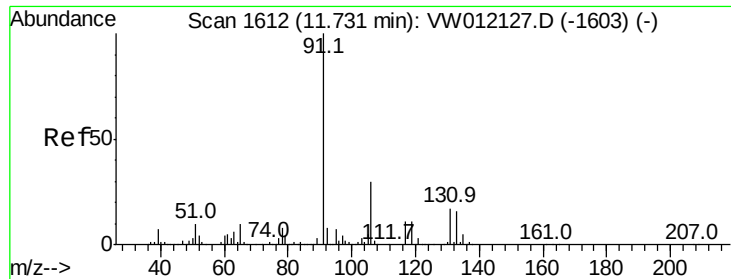


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

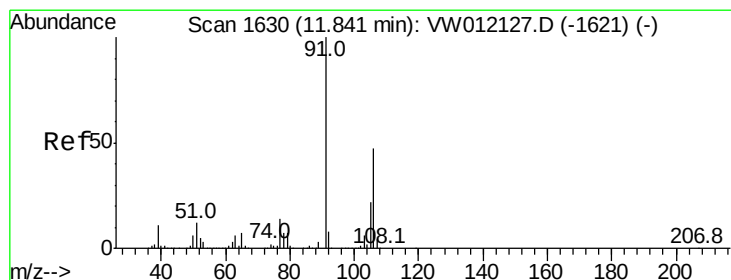
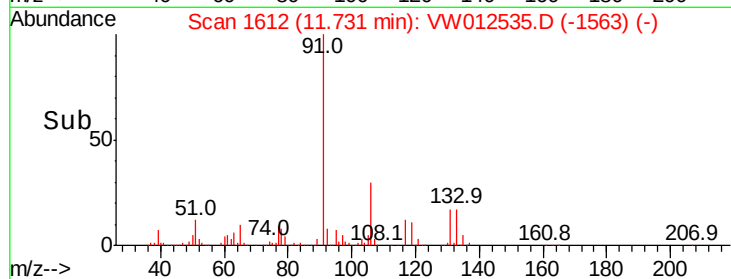
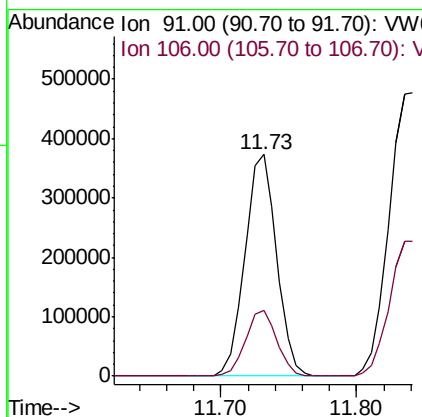
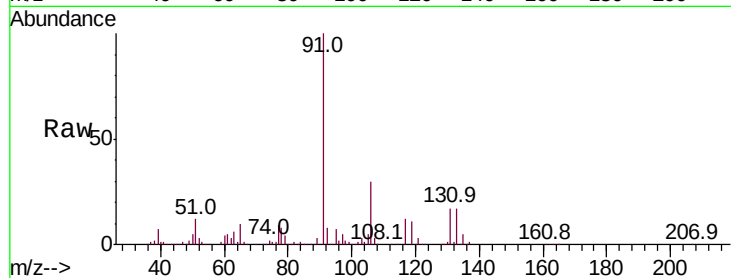




#67
Ethyl Benzene
Concen: 52.799 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

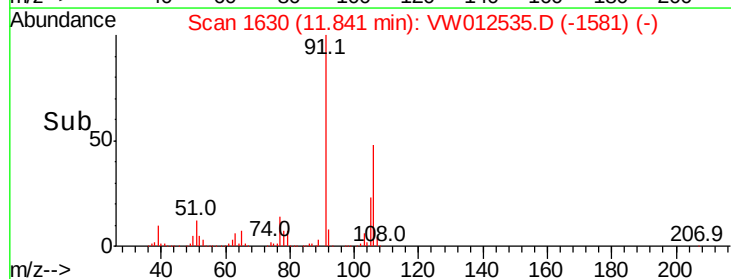
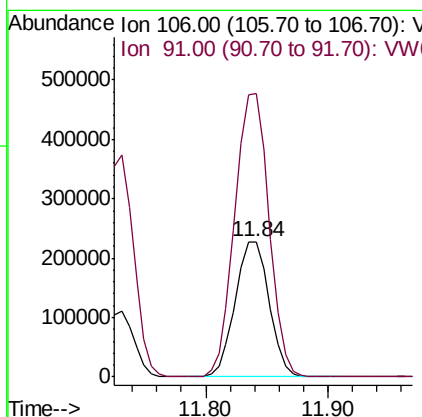
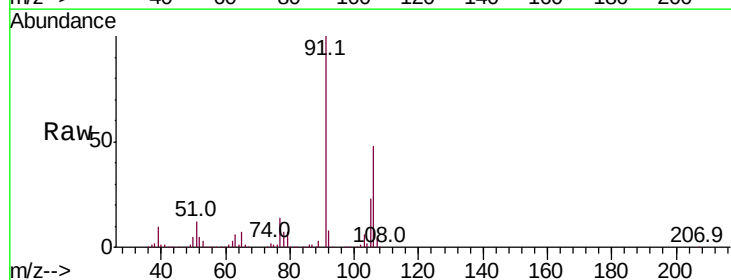
Instrument :
MSVOA_W
ClientSampled :

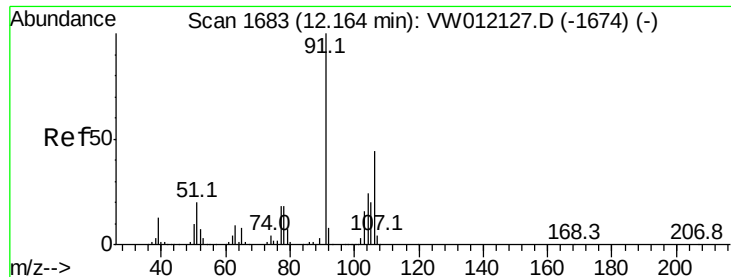
Tot Ion: 91 Resp: 608221
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5



#68
m/p-Xylenes
Concen: 105.814 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion:106 Resp: 439072
Ion Ratio Lower Upper
106 100
91 211.1 169.5 254.3

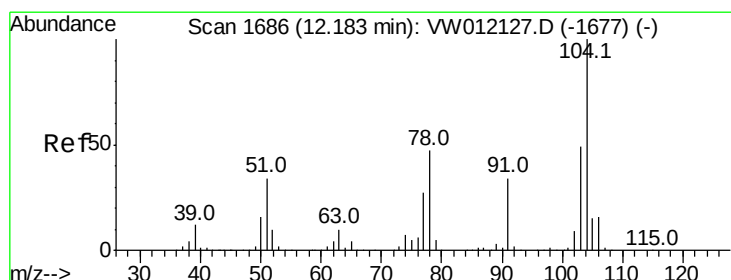
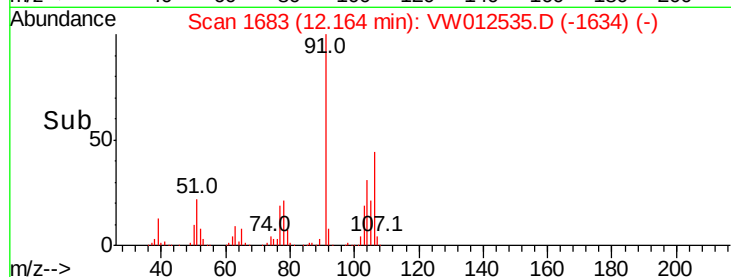
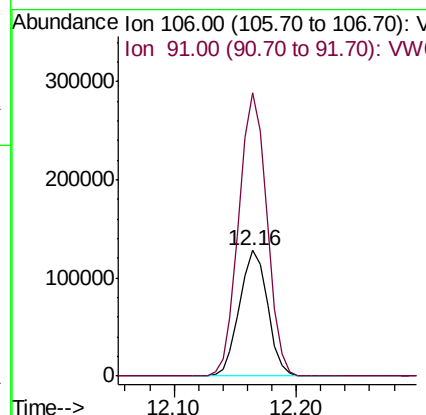
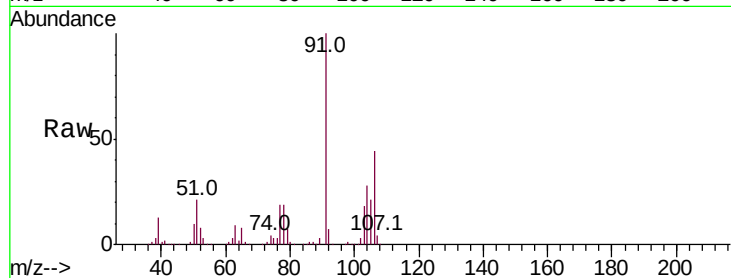




#69
o-Xylene
Concen: 53.175 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

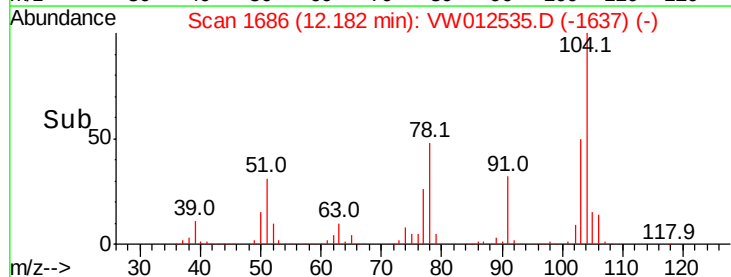
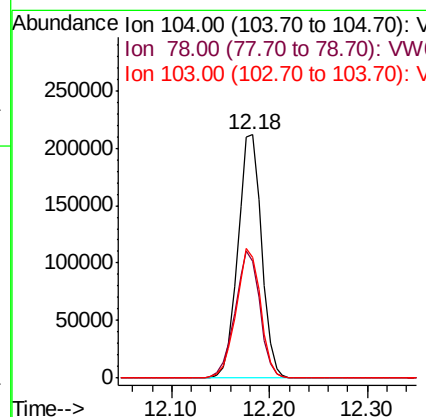
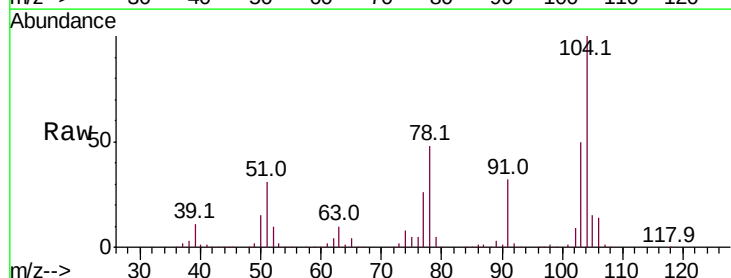
Instrument :
MSVOA_W
ClientSampled :

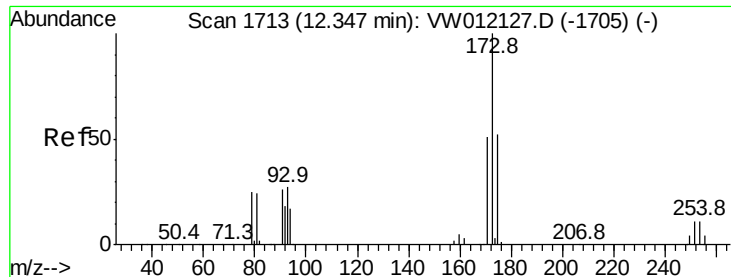
Tot Ion:106 Resp: 204216
Ion Ratio Lower Upper
106 100
91 224.6 111.6 334.6



#70
Styrene
Concen: 53.353 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion:104 Resp: 354665
Ion Ratio Lower Upper
104 100
78 54.5 43.1 64.7
103 55.1 43.5 65.3





#71

Bromoform

Concen: 56.087 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampled :

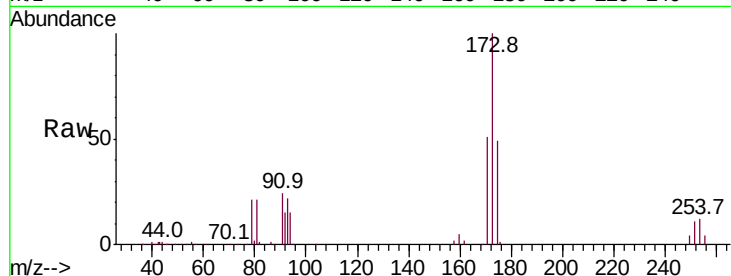
Tot Ion:173 Resp: 58297

Ion Ratio Lower Upper

173 100

175 48.8 24.6 74.0

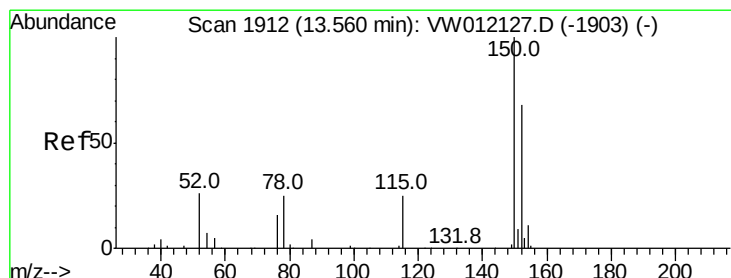
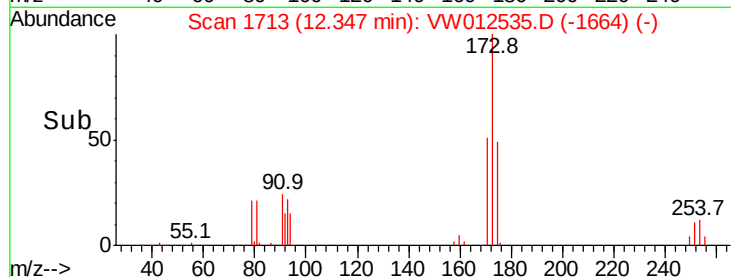
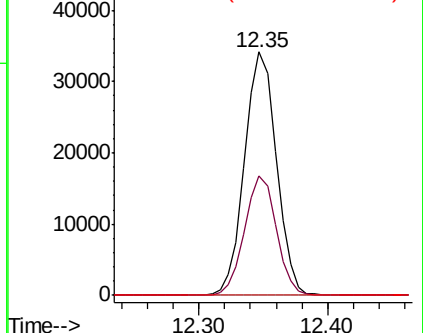
254 0.1 0.2 0.2#



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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

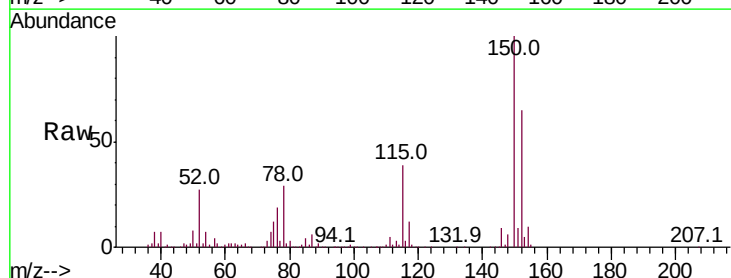
Tgt Ion:152 Resp: 148034

Ion Ratio Lower Upper

152 100

115 59.6 30.1 90.3

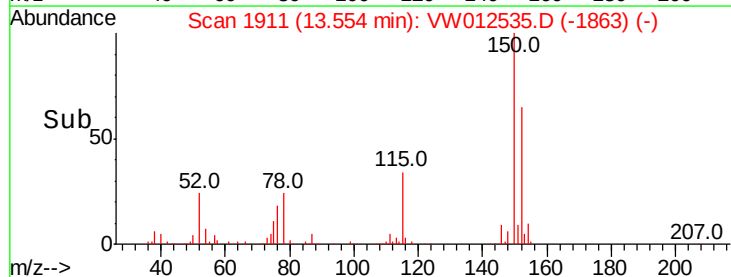
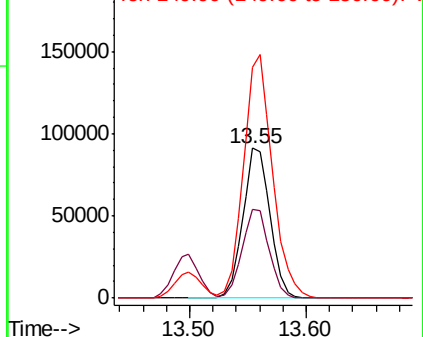
150 173.2 0.0 345.8

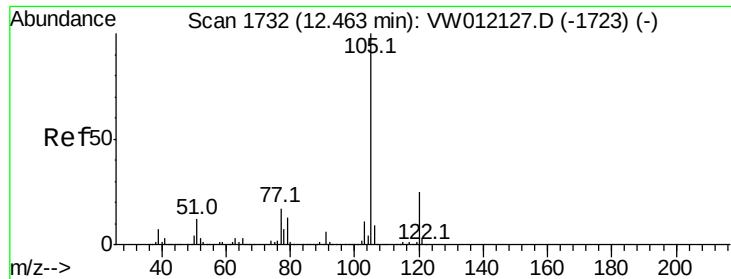


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.133 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

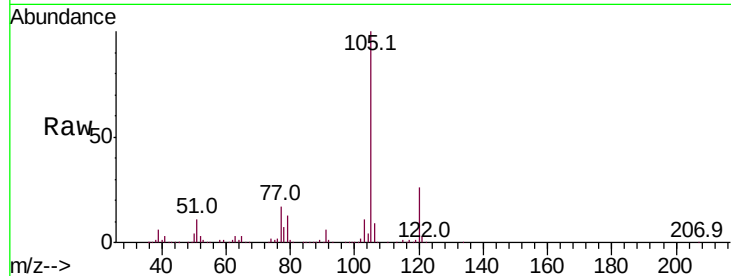
ClientSampleId :

Tot Ion:105 Resp: 578284

Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

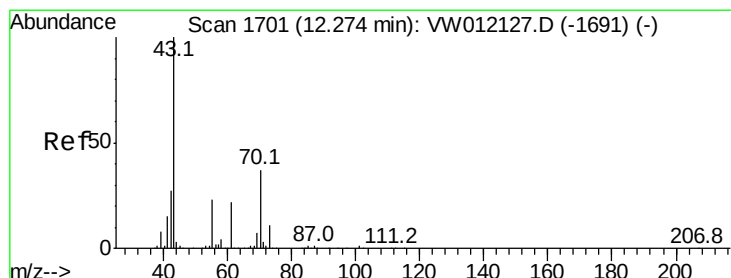
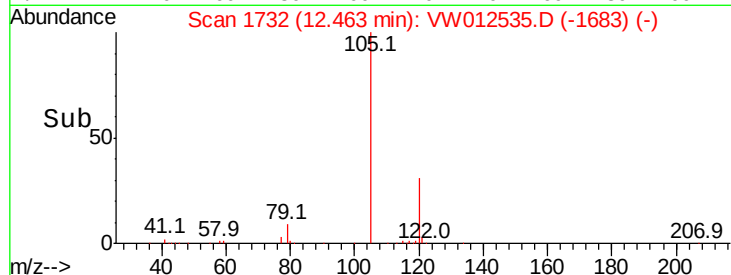
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 52.842 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion: 43 Resp: 177092

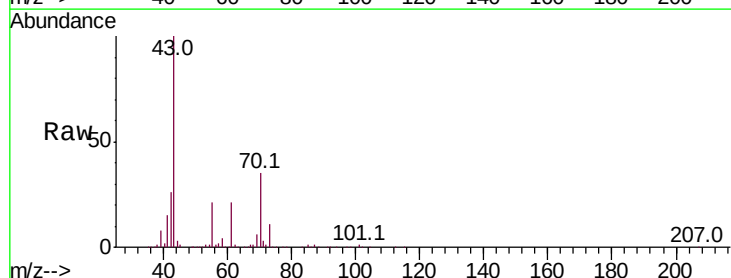
Ion Ratio Lower Upper

43 100

70 36.9 28.6 43.0

55 22.5 17.8 26.6

61 21.7 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

150000

100000

50000

0

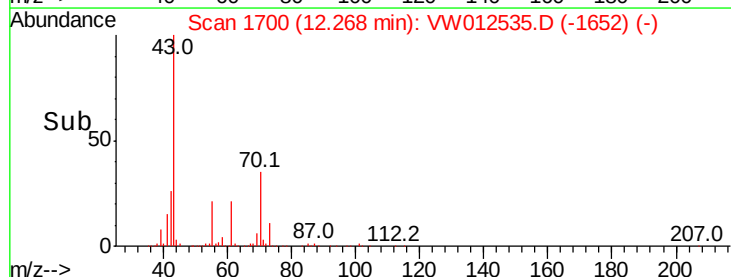
12.27

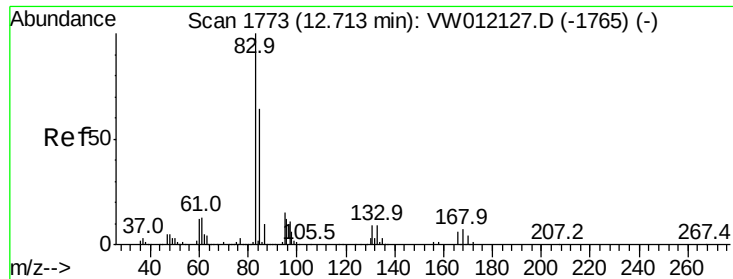
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.537 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

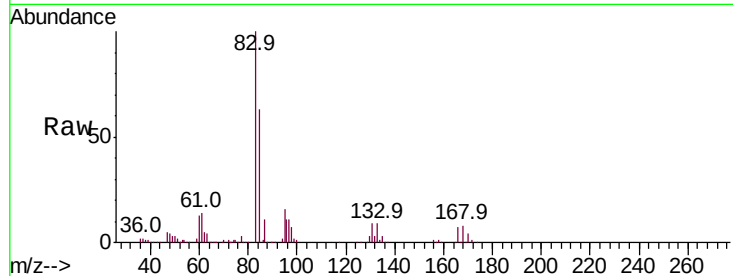
Tot Ion: 83 Resp: 102770

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	64.3	31.9	95.7

83 100

131 10.4 4.9 14.7

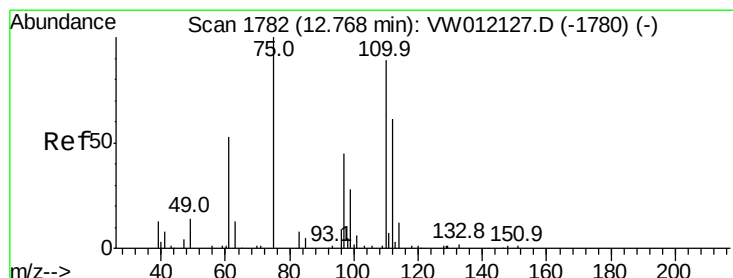
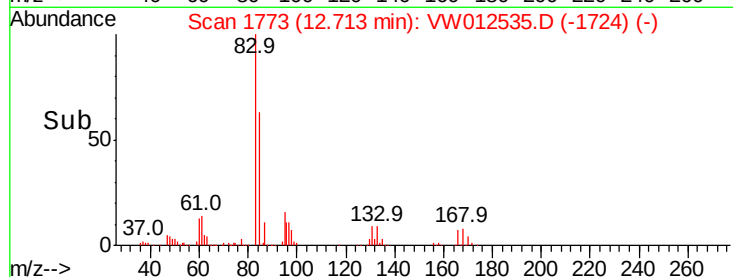
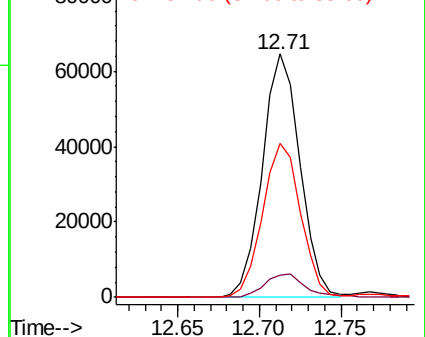
85 64.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.680 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012535.D

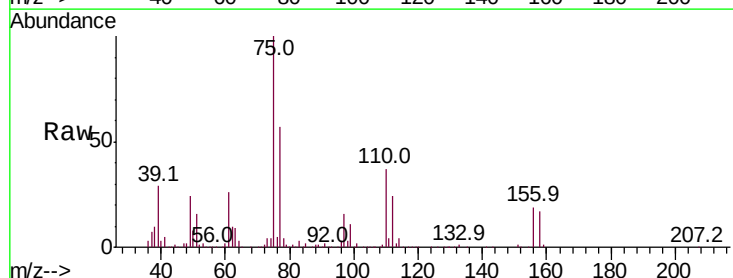
Acq: 03 Sep 2019 09:08

Tgt Ion: 75 Resp: 140830

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

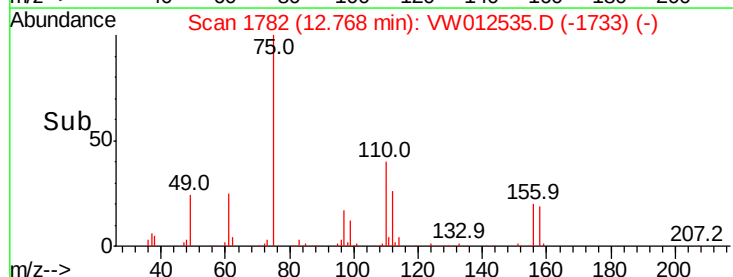
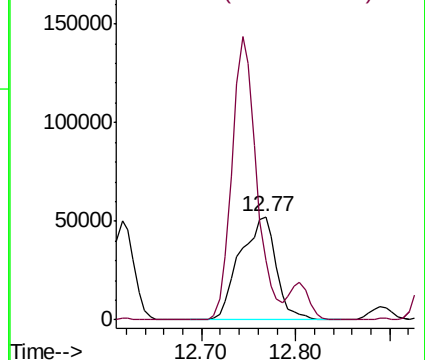
75 100

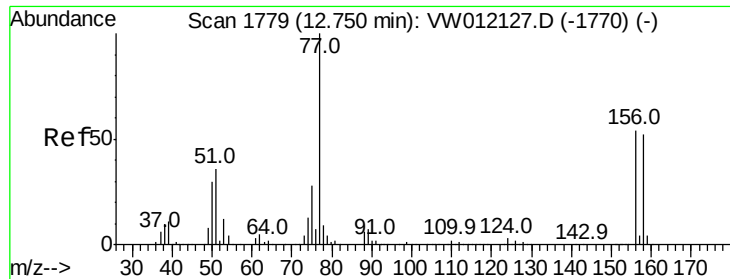
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.607 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampled :

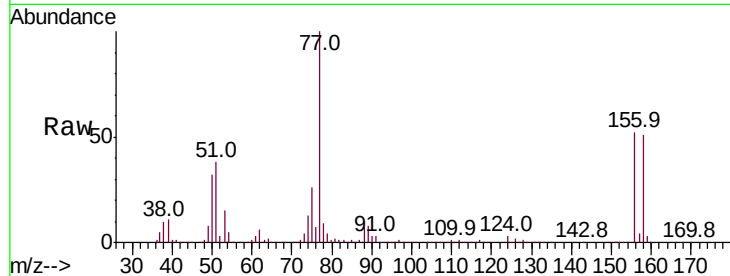
Tot Ion:156 Resp: 126242

Ion Ratio Lower Upper

156 100

77 207.7 107.3 321.8

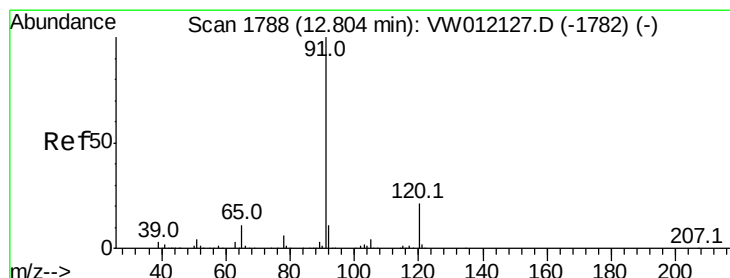
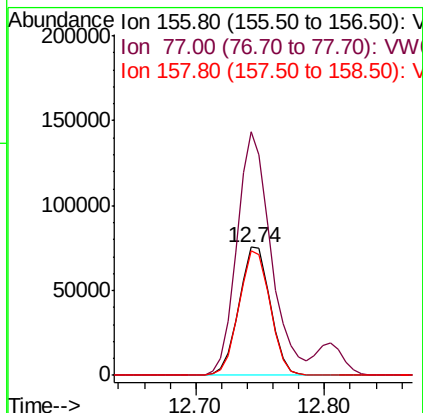
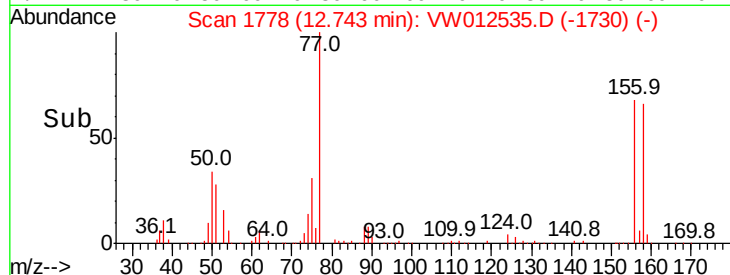
158 97.1 49.0 147.0



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: 51.730 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012535.D

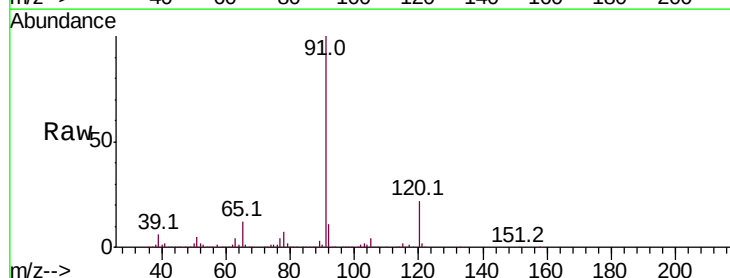
Acq: 03 Sep 2019 09:08

Tgt Ion: 91 Resp: 700507

Ion Ratio Lower Upper

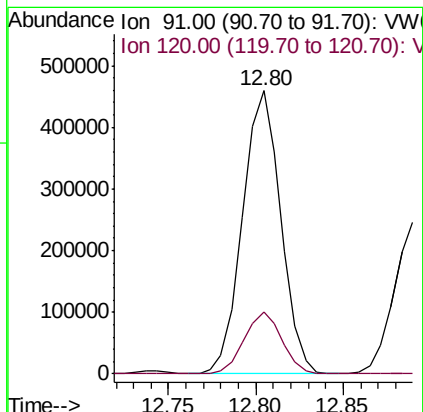
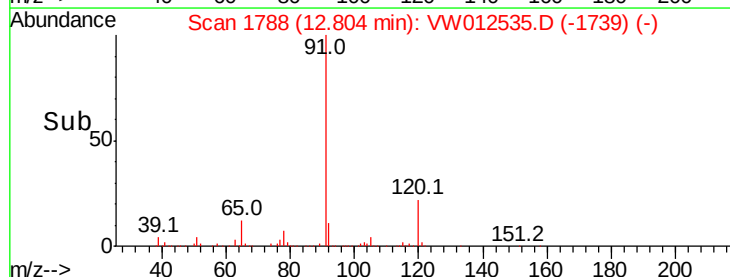
91 100

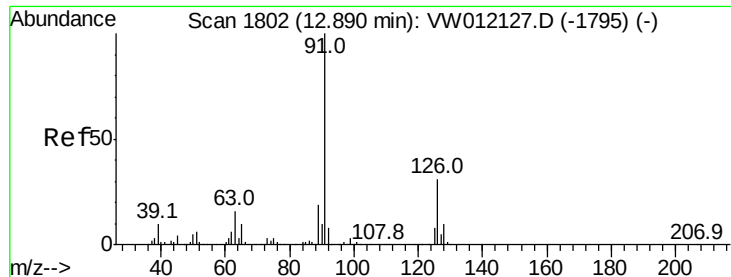
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.100 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

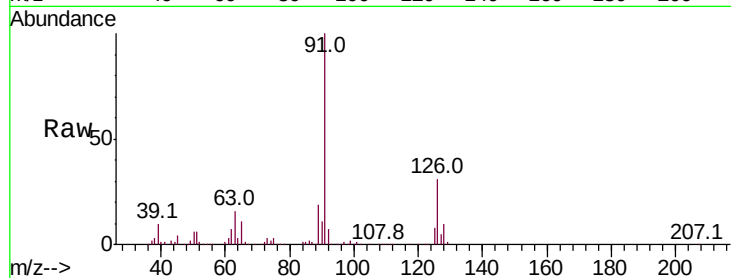
ClientSampled :

Tot Ion: 91 Resp: 392867

Ion Ratio Lower Upper

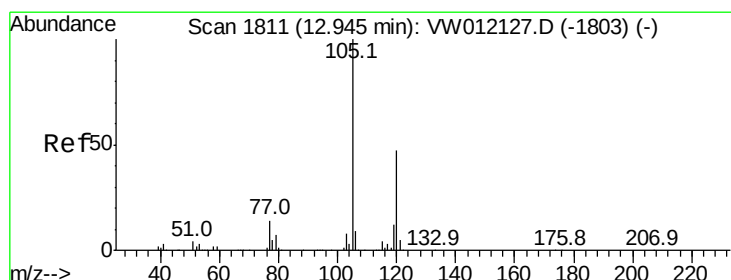
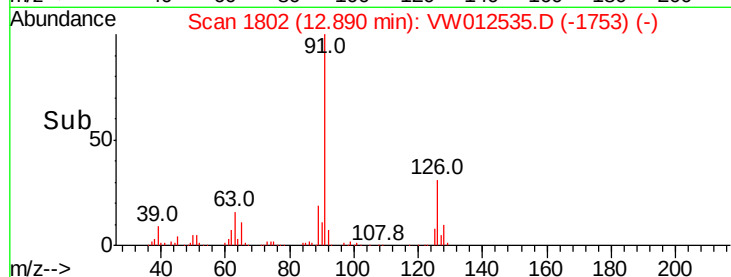
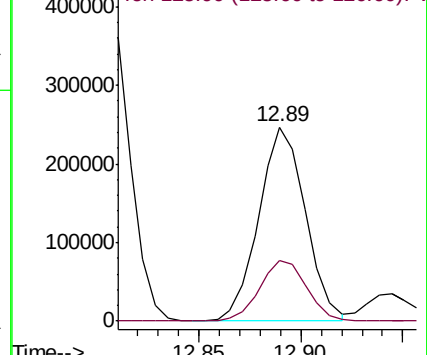
91 100

126 31.6 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.321 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012535.D

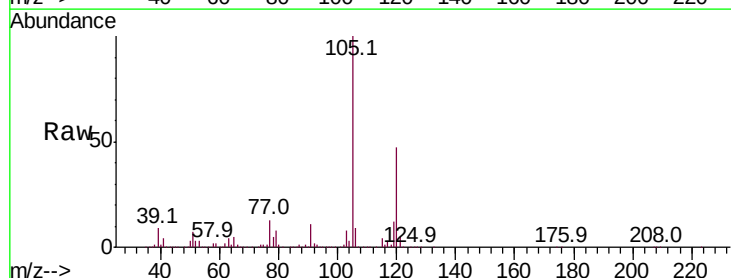
Acq: 03 Sep 2019 09:08

Tgt Ion:105 Resp: 484952

Ion Ratio Lower Upper

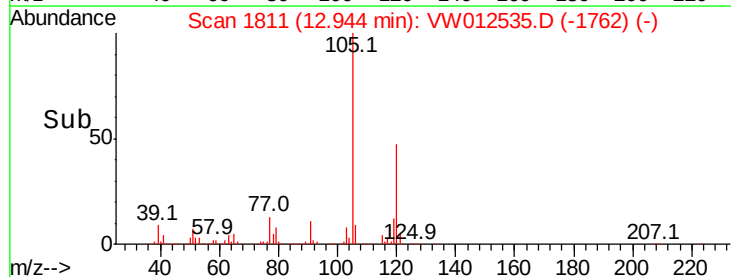
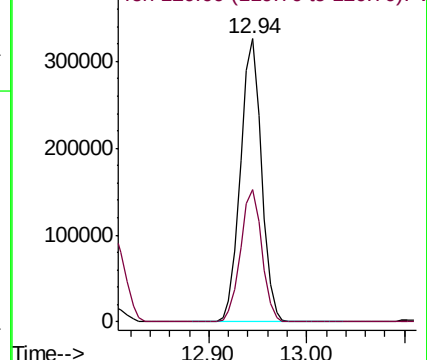
105 100

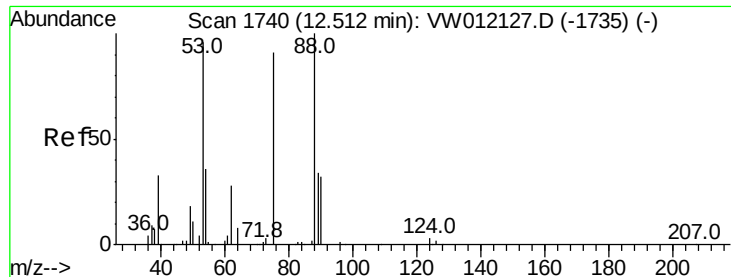
120 47.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.490 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

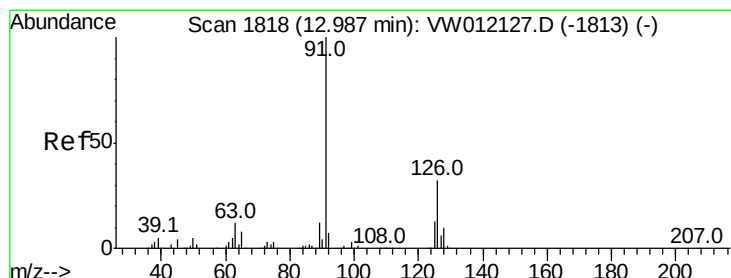
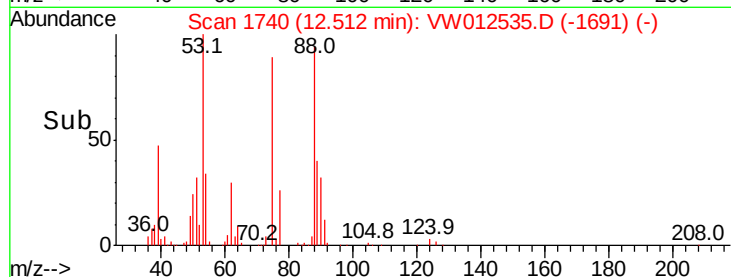
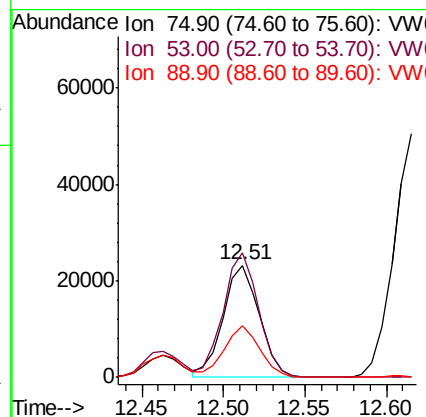
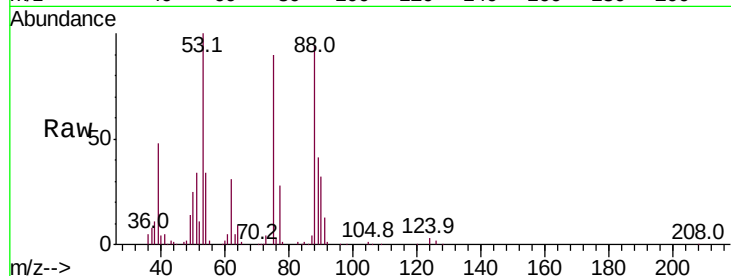
Tot Ion: 75 Resp: 35831

Ion Ratio Lower Upper

75 100

53 110.1 89.4 134.0

89 45.3 34.5 51.7



#82

4-Chlorotoluene

Concen: 51.297 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012535.D

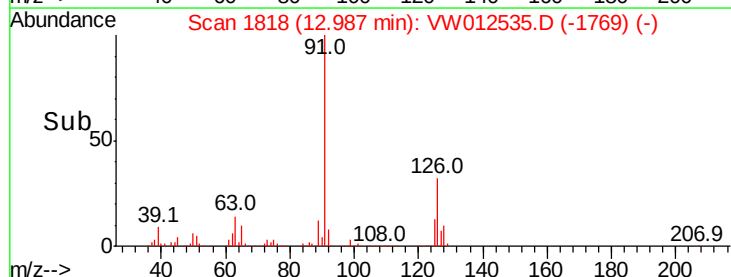
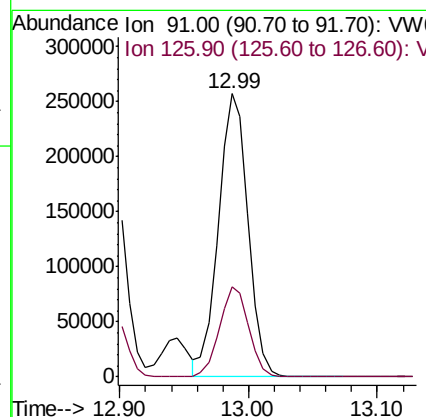
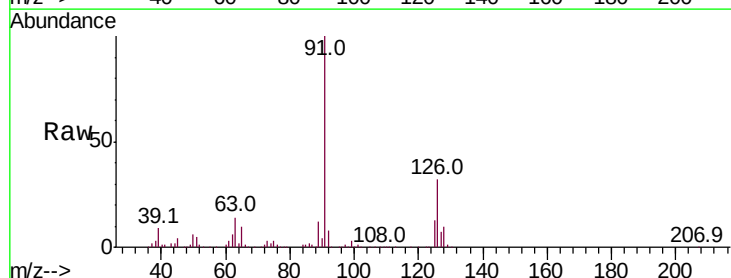
Acq: 03 Sep 2019 09:08

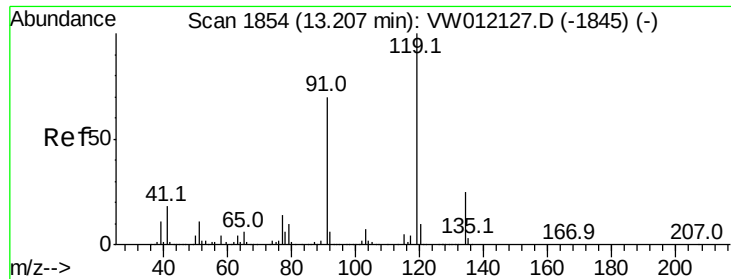
Tgt Ion: 91 Resp: 412945

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8

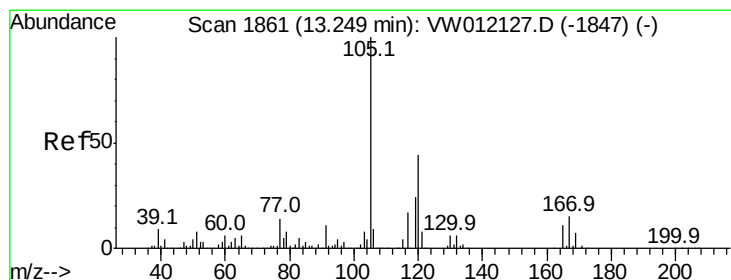
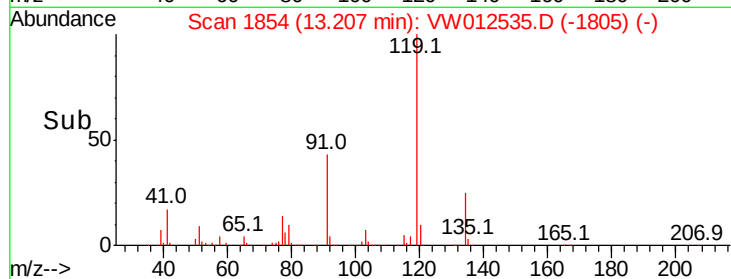
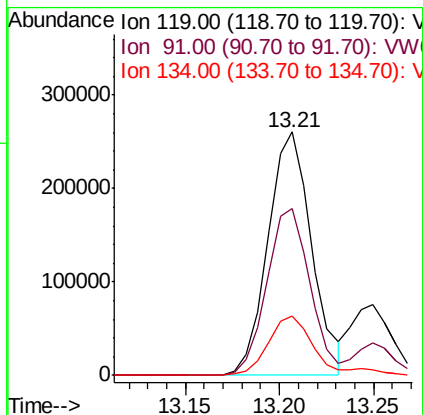
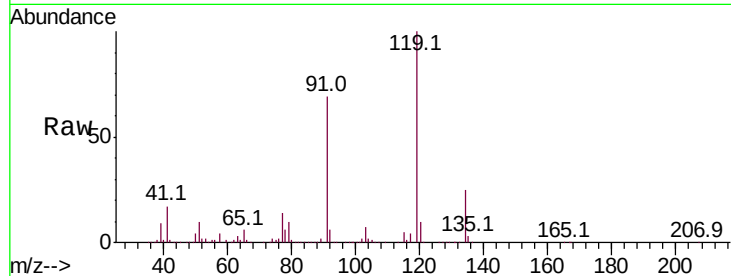




#83
 tert-Butylbenzene
 Concen: 53.508 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

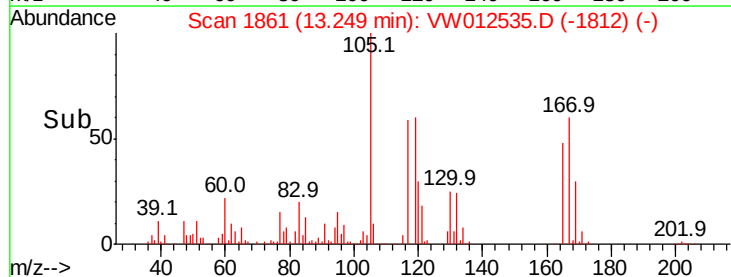
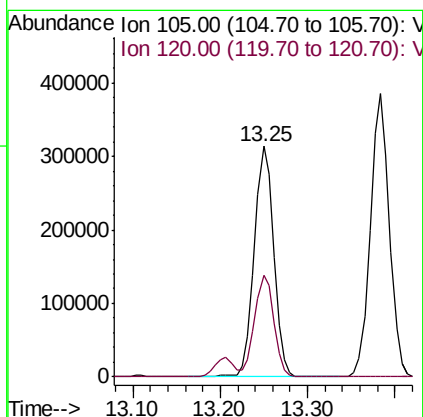
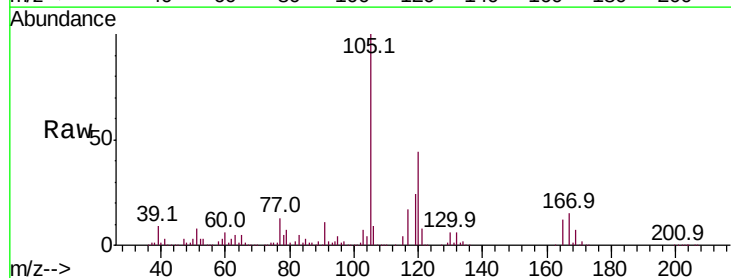
Instrument :
 MSVOA_W
 ClientSampleId :

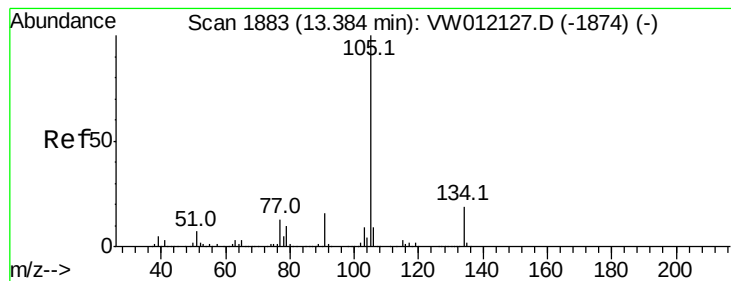
Tot Ion:119 Resp: 420112
 Ion Ratio Lower Upper
 119 100
 91 67.8 34.8 104.3
 134 24.2 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.880 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion:105 Resp: 483045
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 51.657 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

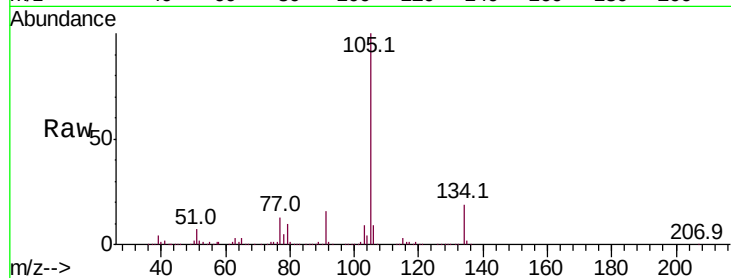
ClientSampled :

Tot Ion:105 Resp: 581071

Ion Ratio Lower Upper

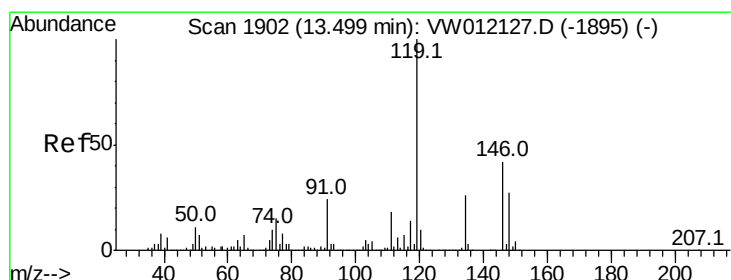
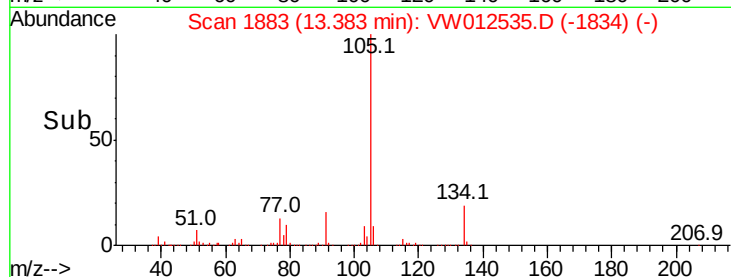
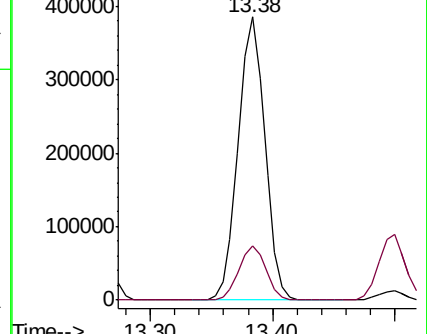
105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.774 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

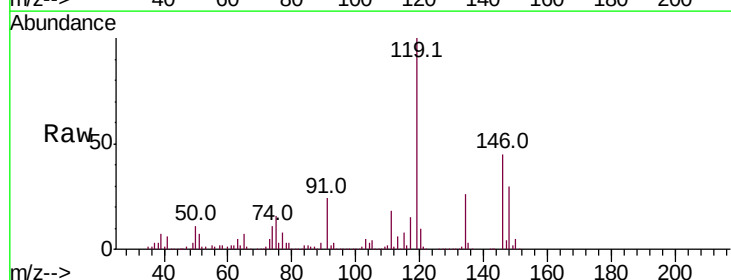
Tgt Ion:119 Resp: 530145

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

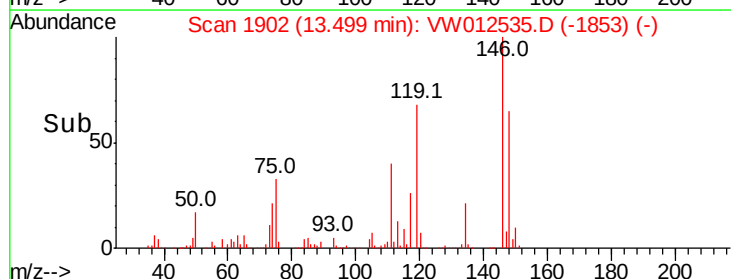
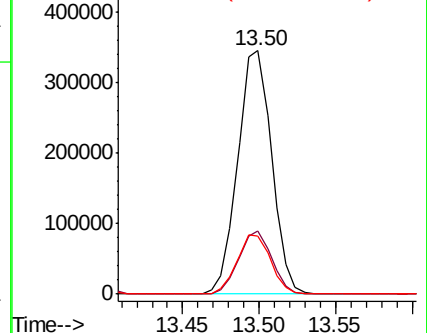
91 24.2 12.3 36.9

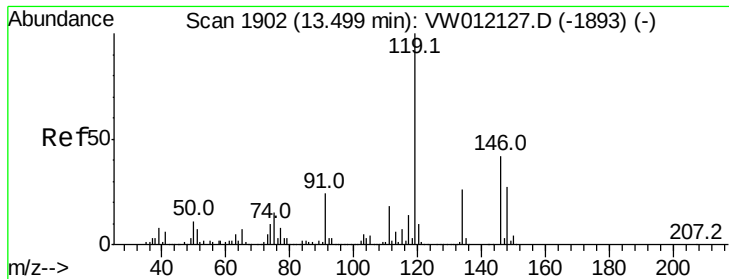


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

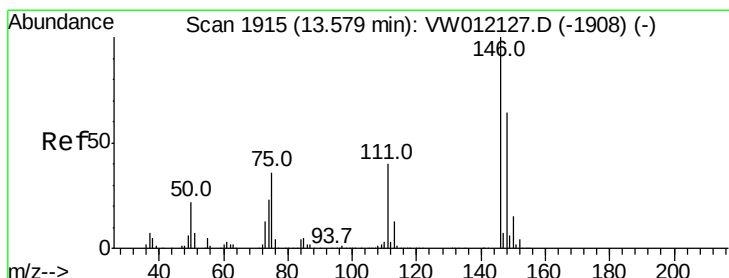
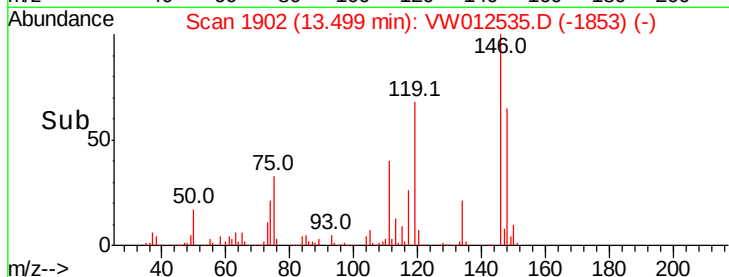
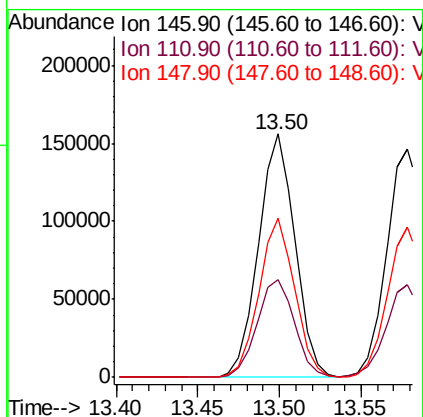
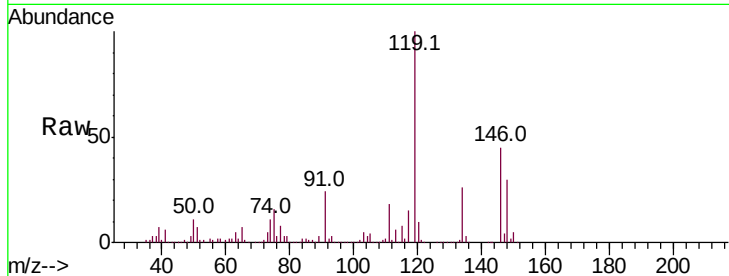




#87
 1,3-Dichlorobenzene
 Concen: 51.848 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

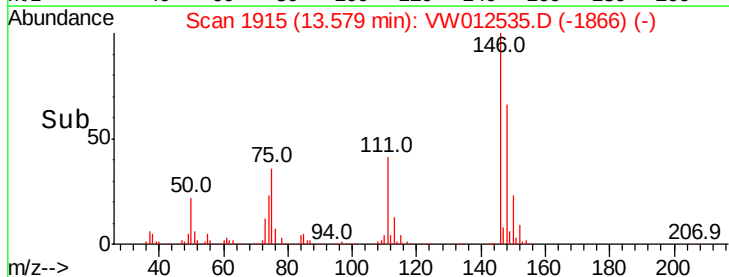
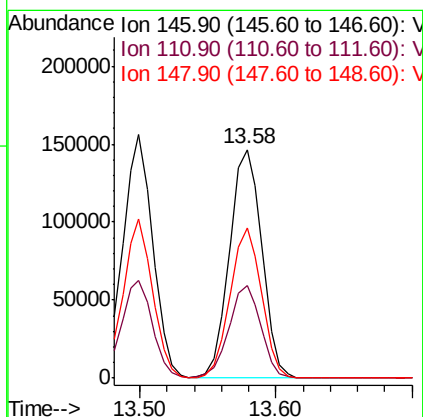
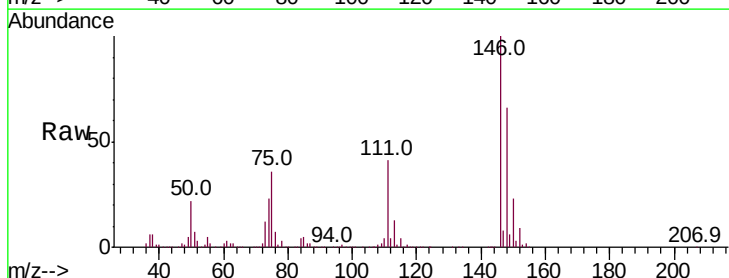
Instrument :
 MSVOA_W
 ClientSampleId :

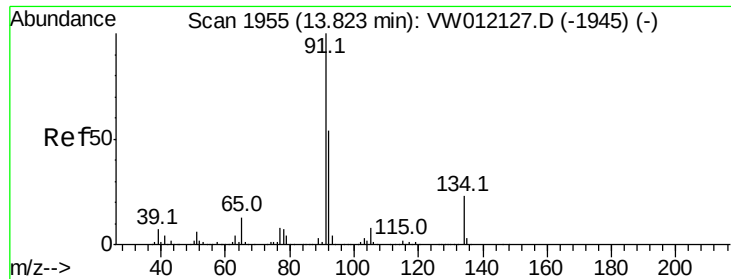
Tot Ion:146 Resp: 243362
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.7
 148 63.8 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 51.942 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion:146 Resp: 242080
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 52.088 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampled :

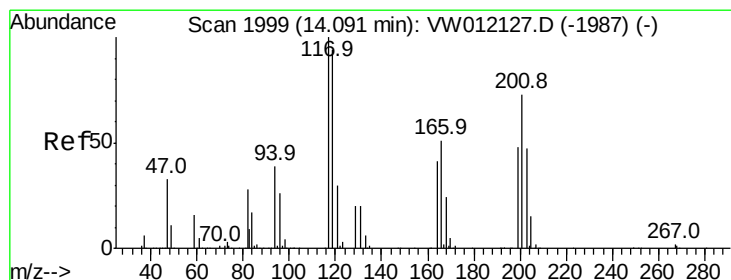
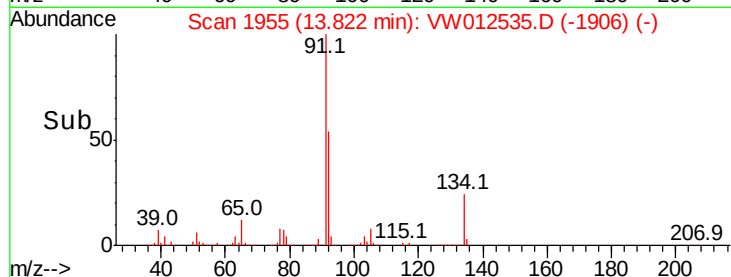
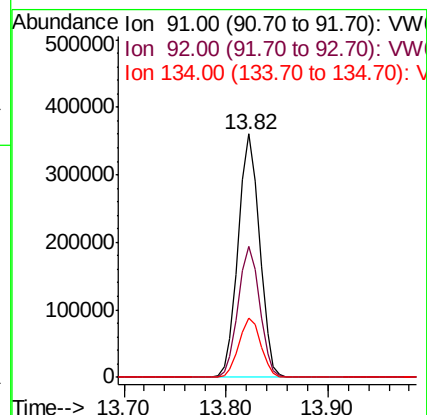
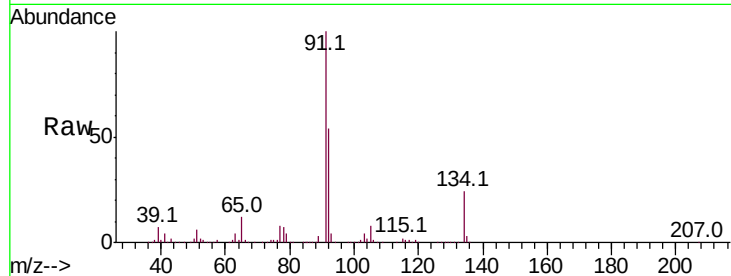
Tot Ion: 91 Resp: 520344

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.2

134 24.8 12.2 36.4



#90

Hexachloroethane

Concen: 51.079 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012535.D

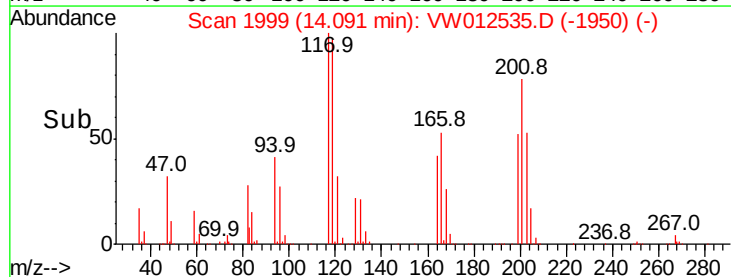
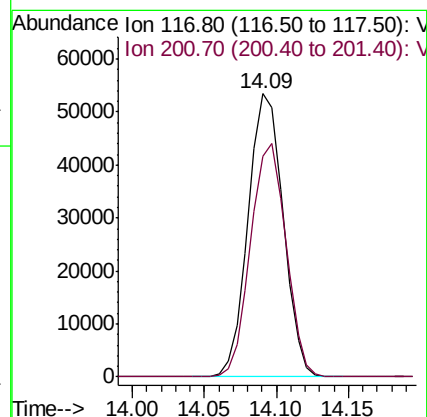
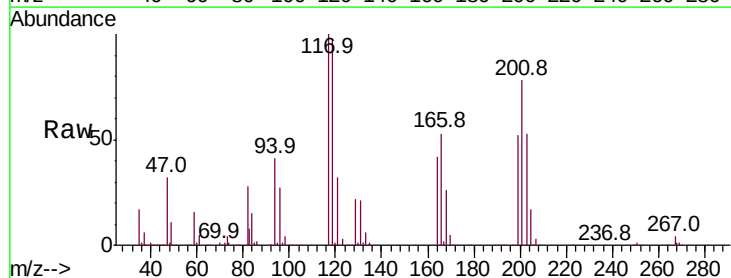
Acq: 03 Sep 2019 09:08

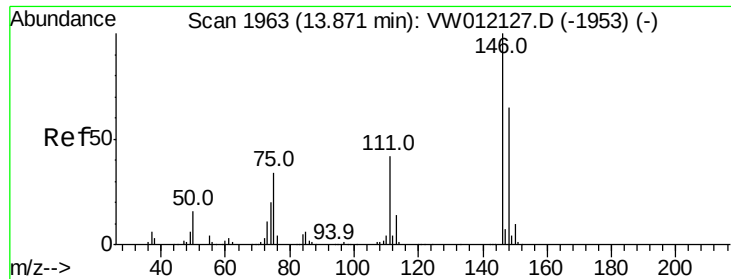
Tgt Ion: 117 Resp: 90026

Ion Ratio Lower Upper

117 100

201 83.4 38.6 115.7

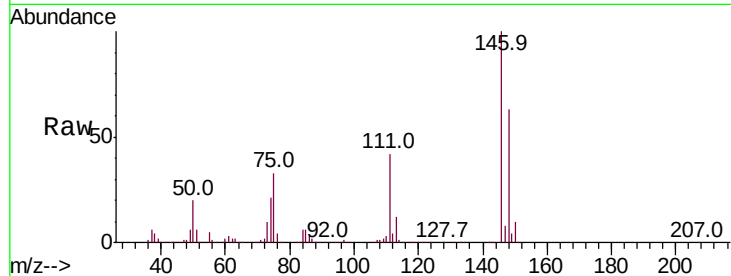




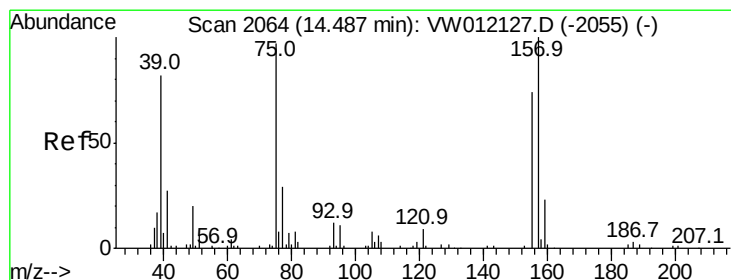
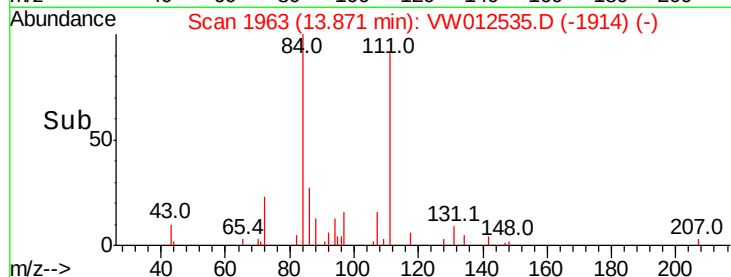
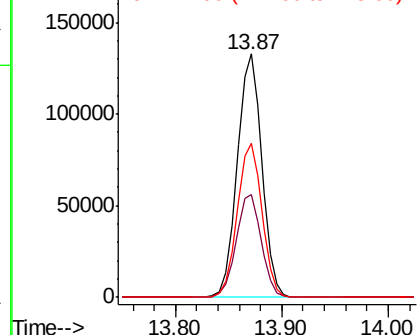
#91
 1,2-Dichlorobenzene
 Concen: 52.317 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.7	32.5	97.4

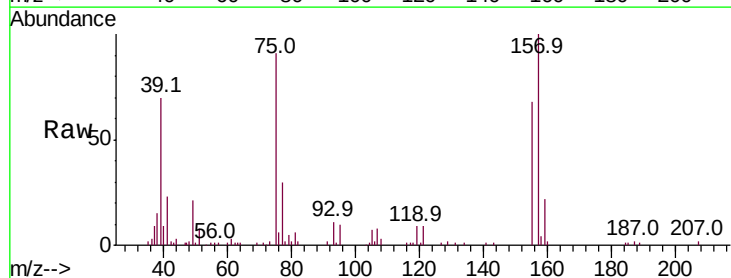


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

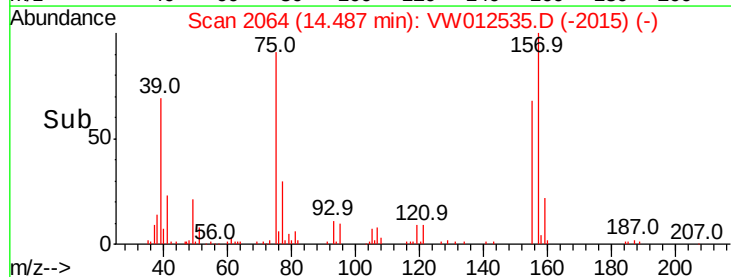
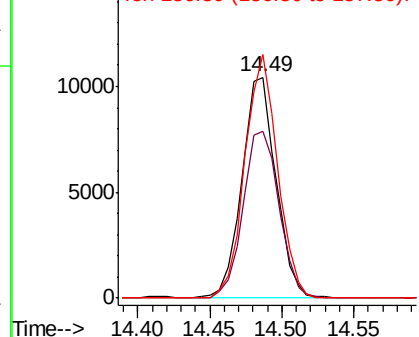


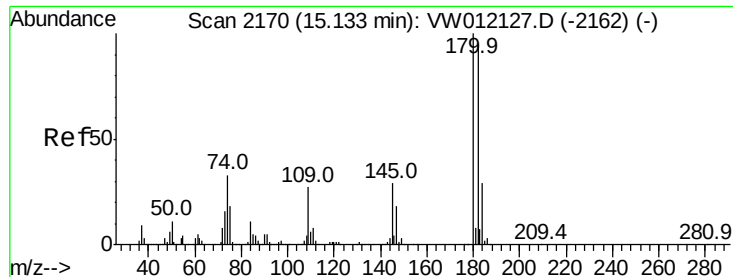
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.017 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	37.5	112.3
157	105.0	50.5	151.5



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

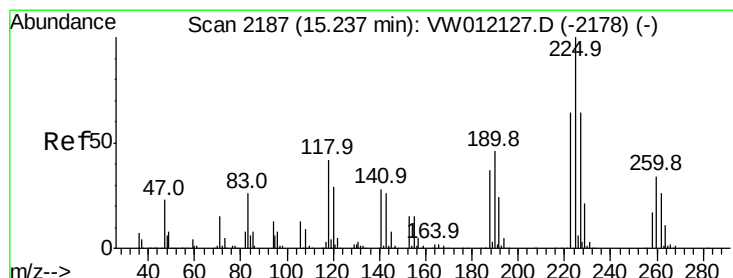
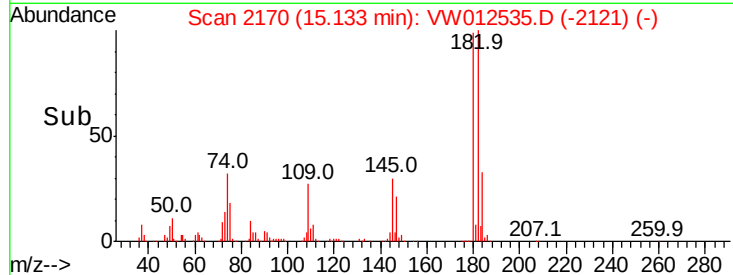
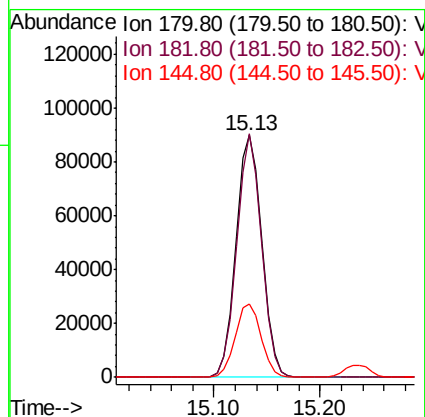
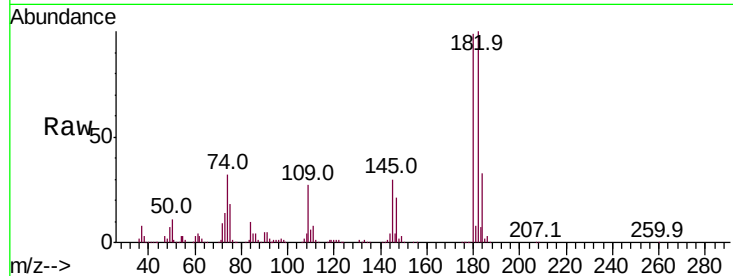




#93
 1,2,4-Trichlorobenzene
 Concen: 53.751 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

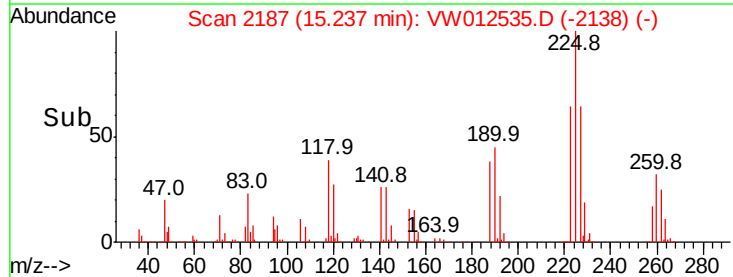
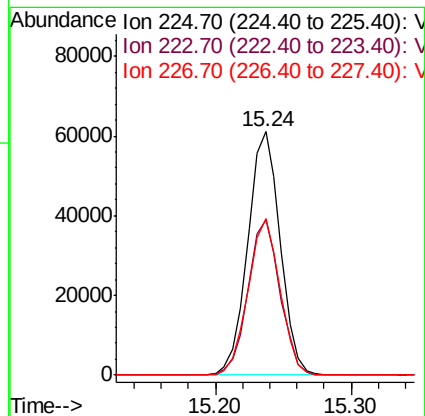
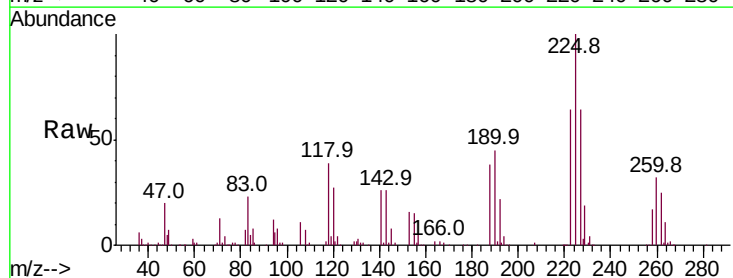
Instrument :
 MSVOA_W
 ClientSampleId :

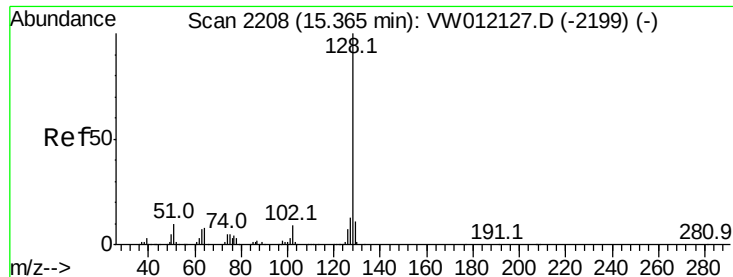
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.4
145	30.6	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 54.200 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.3	96.8
227	63.3	32.9	98.6

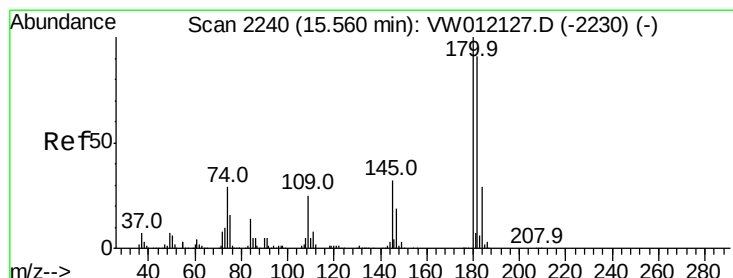
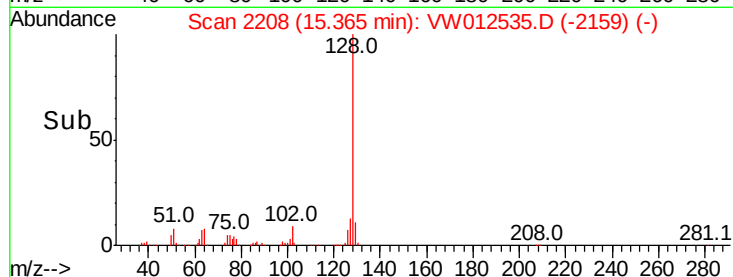
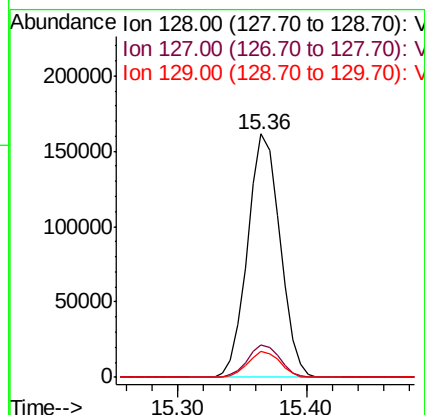
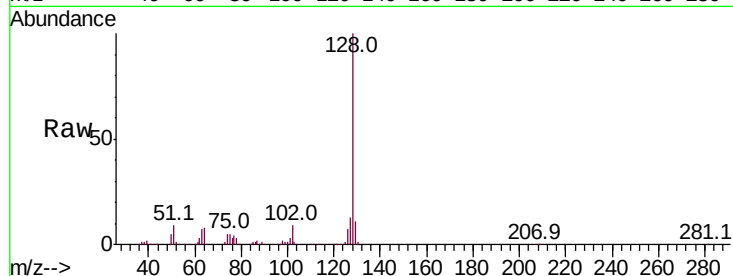




#95
Naphthalene
Concen: 50.333 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 281226
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.693 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion:180 Resp: 135786
Ion Ratio Lower Upper
180 100
182 95.6 47.1 141.3
145 32.1 16.2 48.5

