

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013480.D
 Acq On : 08 Oct 2019 11:19
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 09 05:19:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	297979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	414156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	176945	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	45366	19.71	ug/l	0.00
Spiked Amount			Recovery	=	39.42%	
35) Dibromofluoromethane	7.88	113	45846	19.82	ug/l	0.00
Spiked Amount			Recovery	=	39.64%	
50) Toluene-d8	10.32	98	193586	19.91	ug/l	0.00
Spiked Amount			Recovery	=	39.82%	
62) 4-Bromofluorobenzene	12.62	95	63906	19.57	ug/l	0.00
Spiked Amount			Recovery	=	39.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21561	21.844	ug/l	95
3) Chloromethane	2.21	50	37368	21.538	ug/l	97
4) Vinyl Chloride	2.36	62	54814	21.419	ug/l	100
5) Bromomethane	2.77	94	30066	19.690	ug/l	93
6) Chloroethane	2.91	64	28639	19.927	ug/l	92
7) Trichlorofluoromethane	3.25	101	22728	18.771	ug/l	99
8) Diethyl Ether	3.68	74	25233	20.134	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52417	21.005	ug/l	98
10) Methyl Iodide	4.27	142	79407	20.095	ug/l	100
11) Tert butyl alcohol	5.19	59	25591	146.238	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	52457	20.283	ug/l	96
13) Acrolein	3.89	56	24174	128.802	ug/l	96
14) Allyl chloride	4.67	41	80289	20.202	ug/l	99
15) Acrylonitrile	5.37	53	66881	114.180	ug/l	99
16) Acetone	4.13	43	56553	105.562	ug/l	98
17) Carbon Disulfide	4.38	76	145408	20.030	ug/l	100
18) Methyl Acetate	4.67	43	32608	21.248	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	80827	20.668	ug/l	97
20) Methylene Chloride	4.92	84	60151	20.395	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	55970	20.367	ug/l	99
22) Diisopropyl ether	6.31	45	147633	19.826	ug/l	97
23) Vinyl Acetate	6.25	43	470601	105.265	ug/l	97
24) 1,1-Dichloroethane	6.21	63	90534	19.892	ug/l	99
25) 2-Butanone	7.17	43	89754	113.679	ug/l	97
26) 2,2-Dichloropropane	7.16	77	59780	20.374	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	57874	19.903	ug/l	99
28) Bromochloromethane	7.51	49	25877	15.942	ug/l #	99
29) Tetrahydrofuran	7.53	42	55786	115.606	ug/l	98
30) Chloroform	7.67	83	86928	19.745	ug/l	96
31) Cyclohexane	7.95	56	97088	20.154	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	73298	20.482	ug/l	97
36) 1,1-Dichloropropene	8.08	75	78688	21.003	ug/l	99
37) Ethyl Acetate	7.25	43	38860	22.860	ug/l	98
38) Carbon Tetrachloride	8.06	117	68530	20.634	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102549	21.127	ug/l	96
40) Benzene	8.32	78	215861	20.640	ug/l	99
41) Methacrylonitrile	7.48	41	21115	21.844	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	54469	20.605	ug/l	99
43) Isopropyl Acetate	8.42	43	67015	21.821	ug/l	99
44) Trichloroethene	9.09	130	61454	20.598	ug/l	99
45) 1,2-Dichloropropane	9.37	63	51525	20.526	ug/l	92
46) Dibromomethane	9.46	93	26737	21.380	ug/l	99
47) Bromodichloromethane	9.64	83	60854	19.576	ug/l	98
48) Methyl methacrylate	9.43	41	33305	22.016	ug/l	98
49) 1,4-Dioxane	9.46	88	10760	490.028	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	184922	114.532	ug/l	100
52) Toluene	10.38	92	138068	20.495	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	66990	20.739	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	79639	20.351	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38506	20.514	ug/l	95
56) Ethyl methacrylate	10.65	69	54242	21.456	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68085	21.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	124312	104.227	ug/l	98
59) 2-Hexanone	10.97	43	127207	114.895	ug/l	99
60) Dibromochloromethane	11.13	129	43778	20.281	ug/l	96
61) 1,2-Dibromoethane	11.23	107	39055	21.875	ug/l	97
64) Tetrachloroethene	10.86	164	54403	21.040	ug/l	96
65) Chlorobenzene	11.66	112	140956	20.191	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	49379	20.363	ug/l	99
67) Ethyl Benzene	11.73	91	260614	20.425	ug/l	98
68) m/p-Xylenes	11.84	106	199500	41.093	ug/l	100
69) o-Xylene	12.16	106	91525	20.405	ug/l	99
70) Styrene	12.18	104	155468	20.187	ug/l	99
71) Bromoform	12.35	173	27896	20.967	ug/l #	96
73) Isopropylbenzene	12.46	105	257671	20.330	ug/l	100
74) N-amyl acetate	12.27	43	59825	21.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47411	21.946	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	58945	41.477	ug/l #	100
77) Bromobenzene	12.74	156	60392	20.102	ug/l	98
78) n-propylbenzene	12.80	91	298314	20.354	ug/l	99
79) 2-Chlorotoluene	12.89	91	166218	20.242	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	215064	20.422	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15671	21.737	ug/l	97
82) 4-Chlorotoluene	12.99	91	172730	20.267	ug/l	99
83) tert-Butylbenzene	13.21	119	192754	20.610	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	214091	20.555	ug/l	100
85) sec-Butylbenzene	13.38	105	267866	20.728	ug/l	99
86) p-Isopropyltoluene	13.50	119	244688	20.609	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	117164	20.567	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	113826	20.397	ug/l	99
89) n-Butylbenzene	13.82	91	219095	20.427	ug/l	99
90) Hexachloroethane	14.09	117	41125	20.243	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	102140	20.308	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7556	21.939	ug/l	97

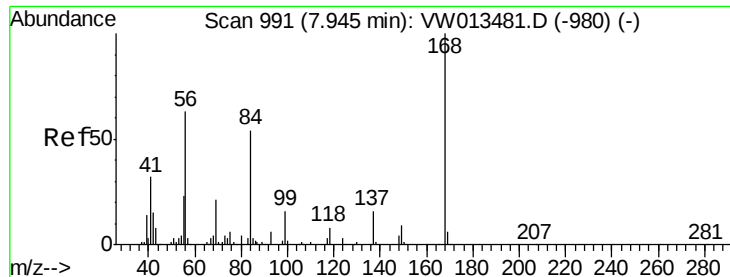
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71995	20.254	ug/l	97
94) Hexachlorobutadiene	15.24	225	48451	20.511	ug/l	97
95) Naphthalene	15.36	128	134776	21.919	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	65068	20.934	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: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

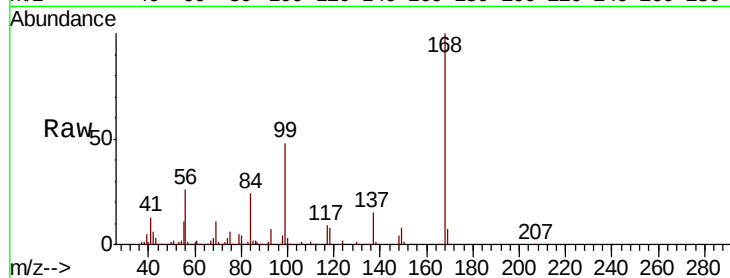
ClientSampleId :

Tot Ion:168 Resp: 297979

Ion Ratio Lower Upper

168 100

99 47.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

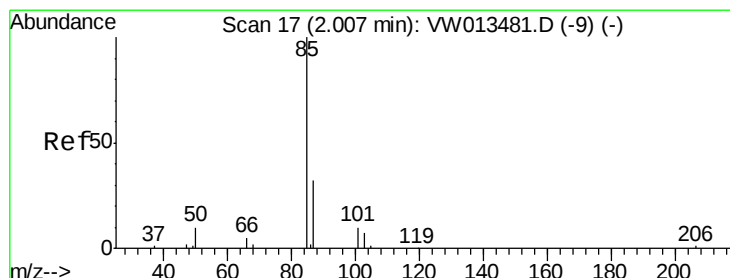
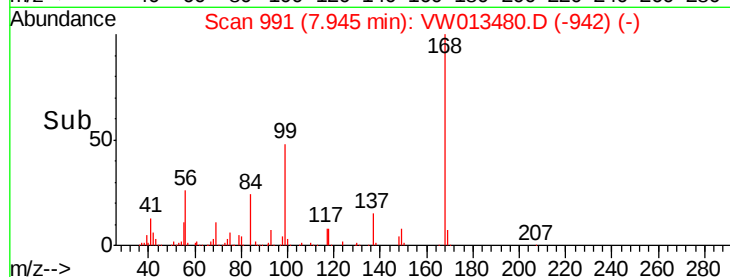
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.844 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013480.D

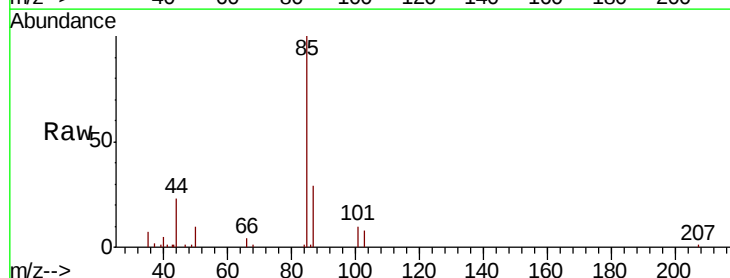
Acq: 08 Oct 2019 11:19

Tgt Ion: 85 Resp: 21561

Ion Ratio Lower Upper

85 100

87 29.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

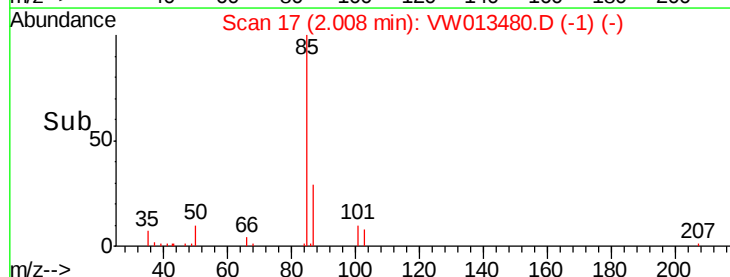
4000

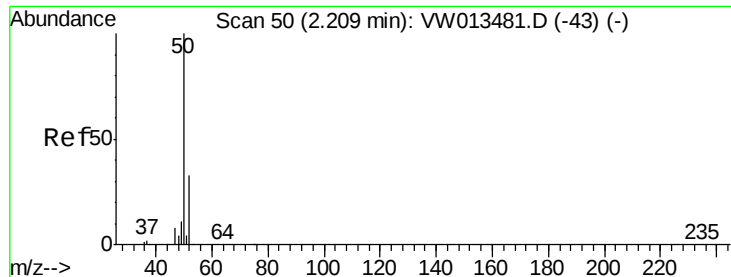
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.538 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

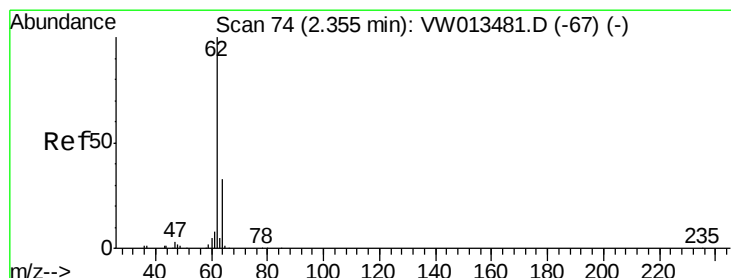
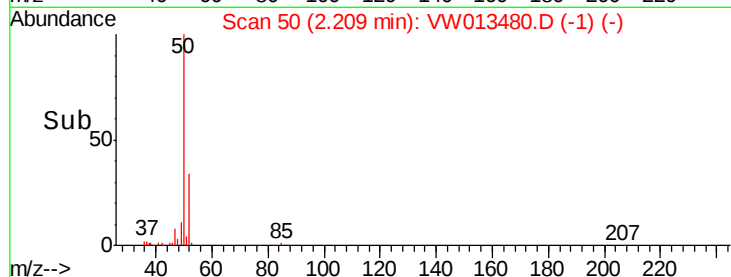
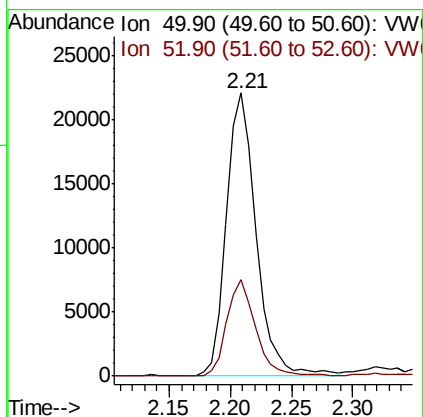
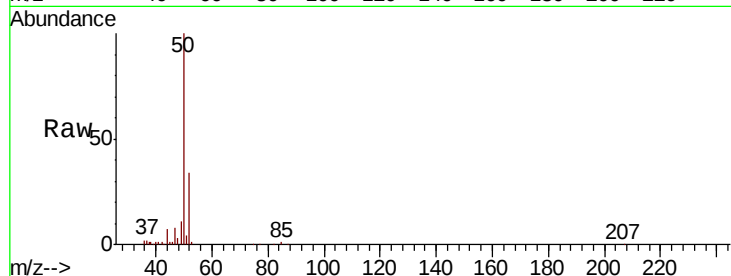
ClientSampleId :

Tot Ion: 50 Resp: 37368

Ion Ratio Lower Upper

50 100

52 34.3 26.0 39.0



#4

Vinyl Chloride

Concen: 21.419 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013480.D

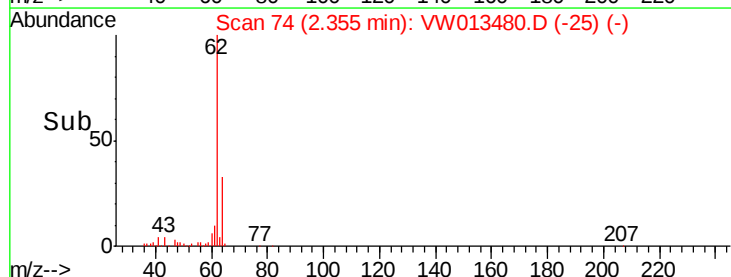
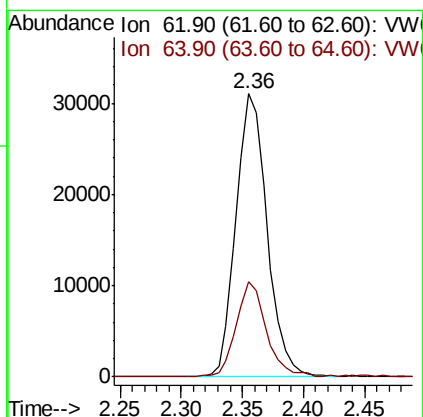
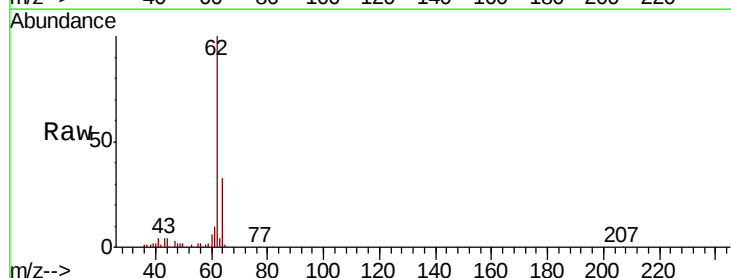
Acq: 08 Oct 2019 11:19

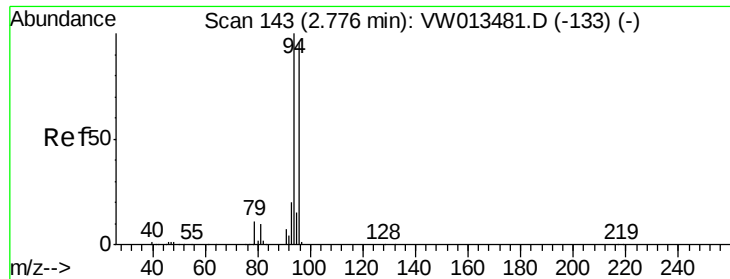
Tgt Ion: 62 Resp: 54814

Ion Ratio Lower Upper

62 100

64 33.1 26.6 39.8





#5

Bromomethane

Concen: 19.690 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

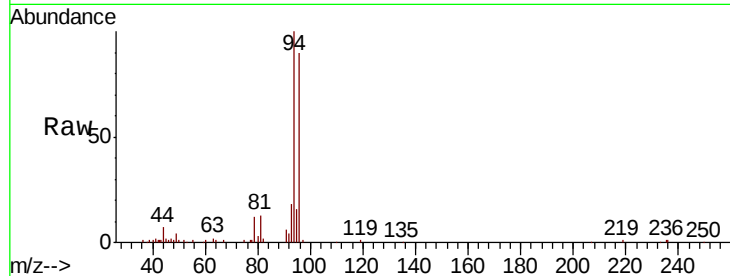
ClientSampled :

Tot Ion: 94 Resp: 30066

Ion Ratio Lower Upper

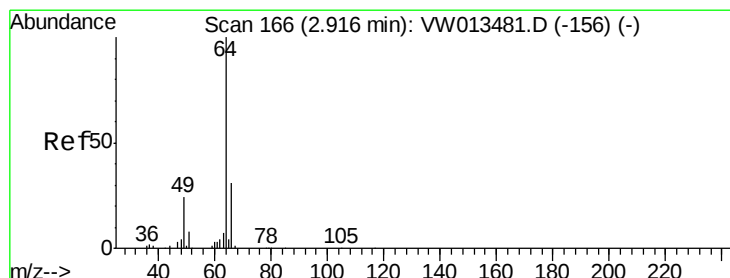
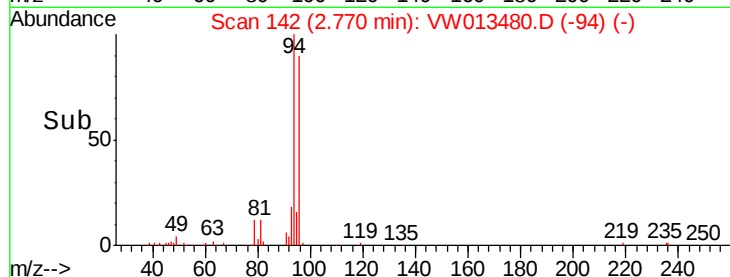
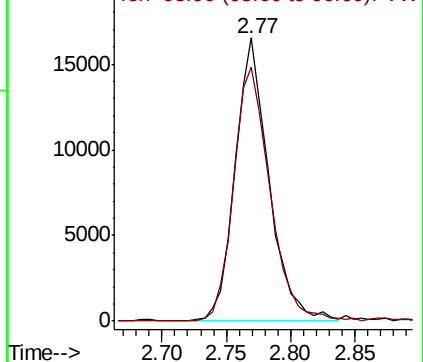
94 100

96 89.9 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.927 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013480.D

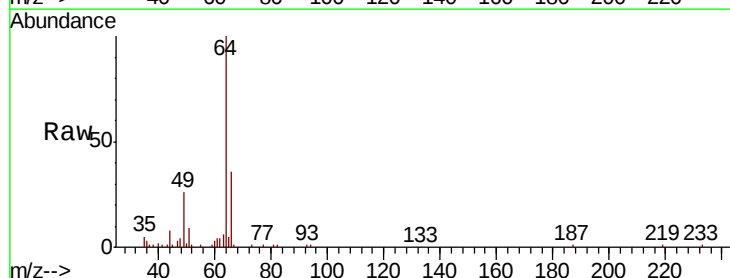
Acq: 08 Oct 2019 11:19

Tgt Ion: 64 Resp: 28639

Ion Ratio Lower Upper

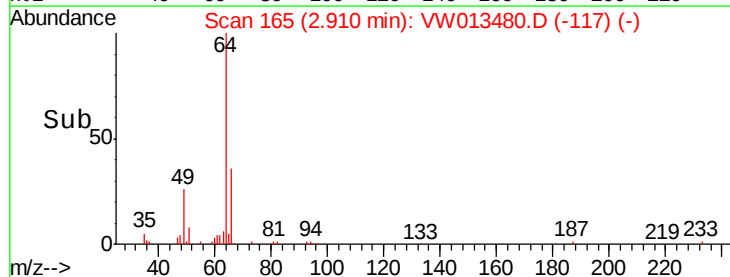
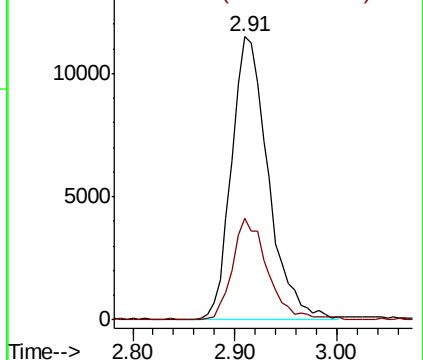
64 100

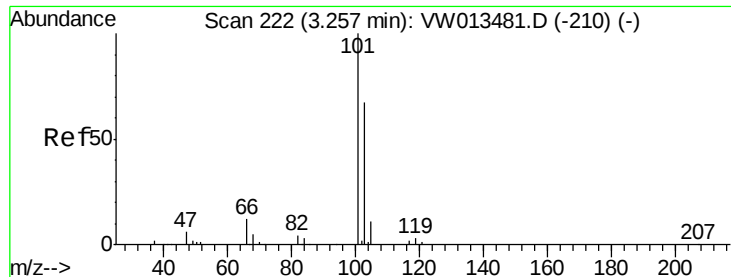
66 35.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



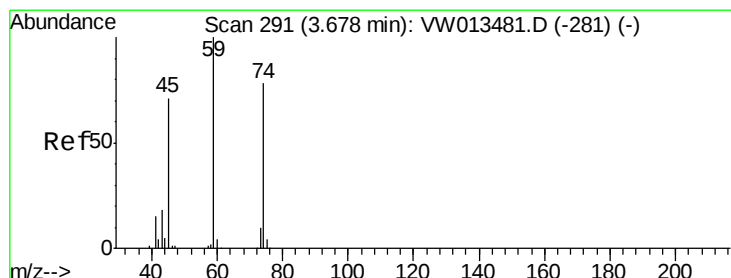
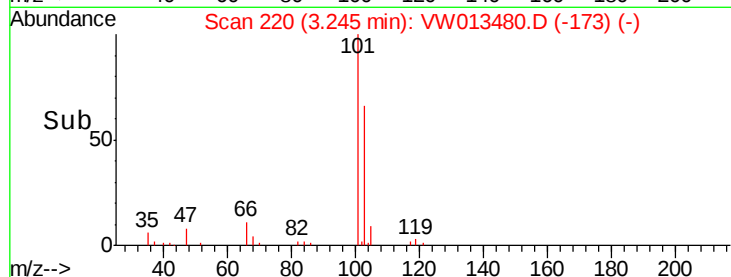
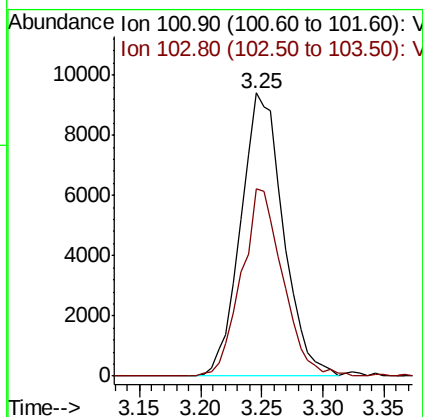
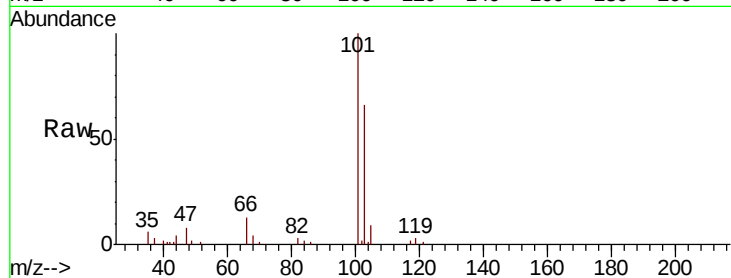


#7

Trichlorofluoromethane
 Concen: 18.771 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Instrument :
 MSVOA_W
 ClientSampled :

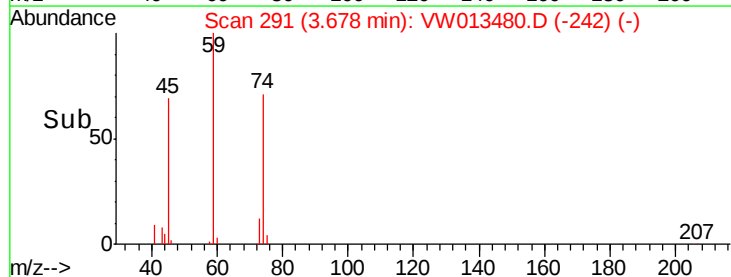
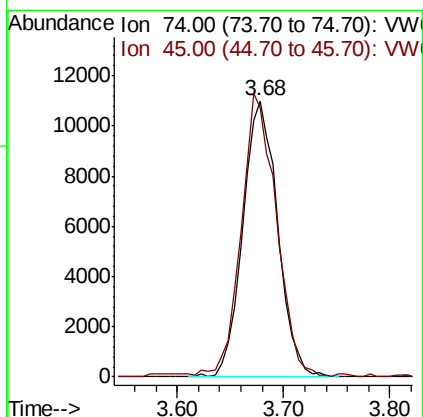
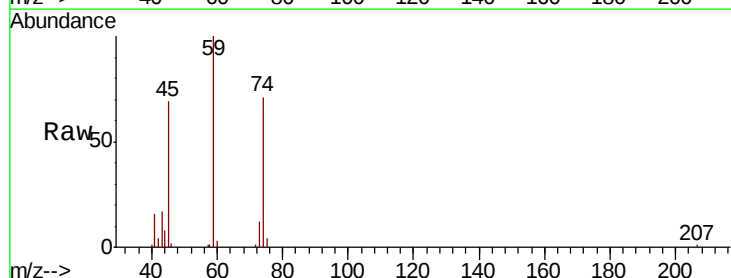
Tot Ion:101 Resp: 22728
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.7 80.5

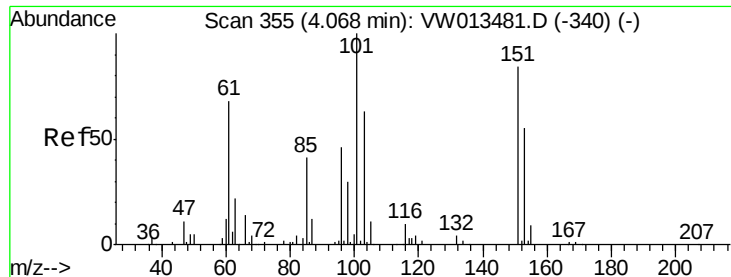


#8

Diethyl Ether
 Concen: 20.134 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion: 74 Resp: 25233
 Ion Ratio Lower Upper
 74 100
 45 103.6 50.0 150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.005 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

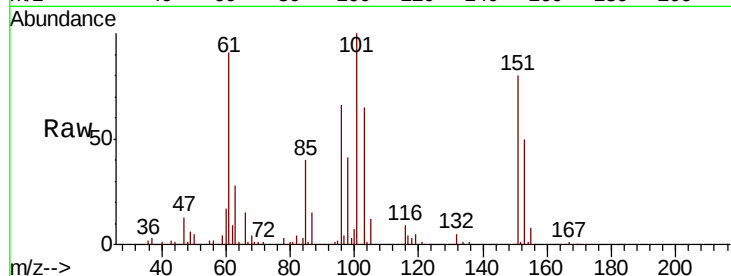
Tot Ion:101 Resp: 52417

Ion Ratio Lower Upper

101 100

85 41.7 31.6 47.4

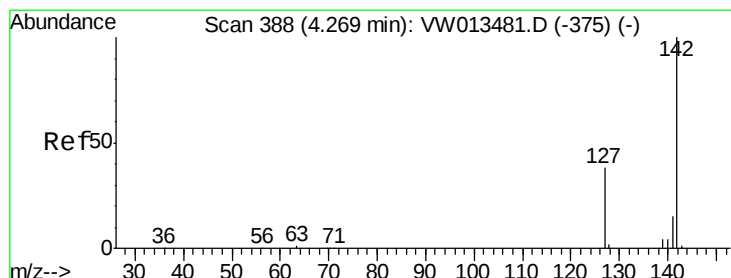
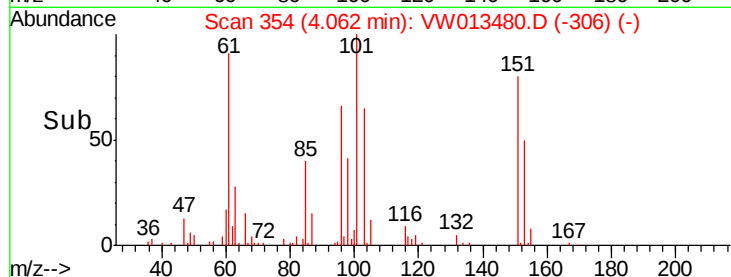
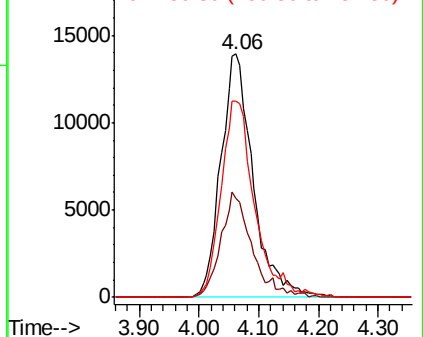
151 82.7 67.5 101.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.095 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

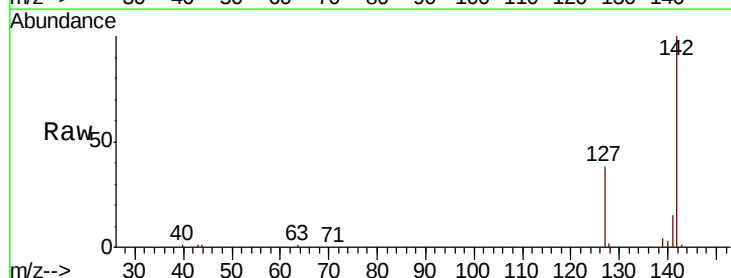
Tgt Ion:142 Resp: 79407

Ion Ratio Lower Upper

142 100

127 37.0 29.6 44.4

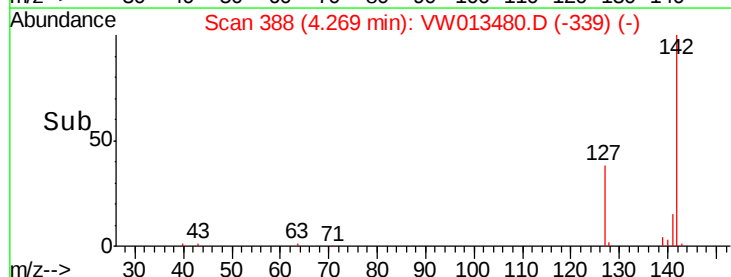
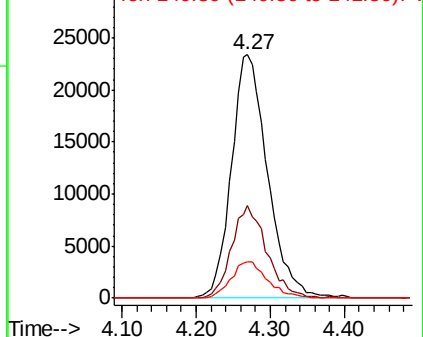
141 15.1 12.1 18.1

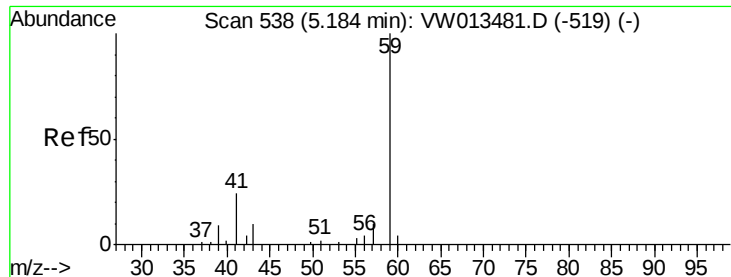


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



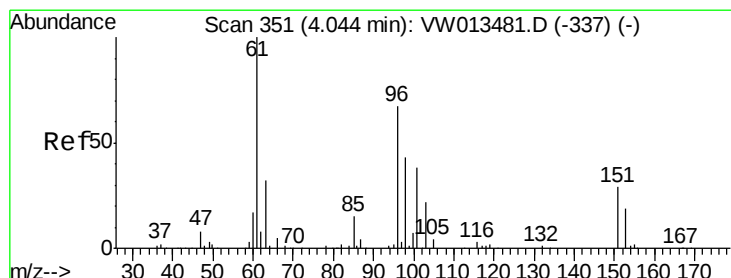
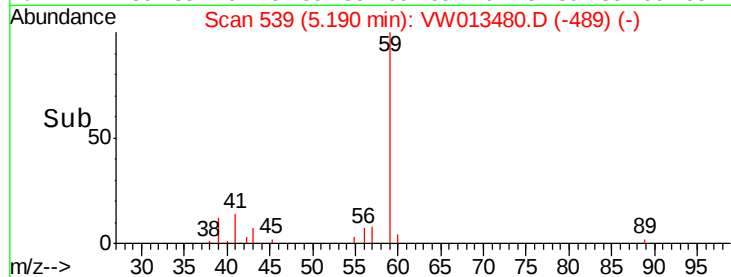
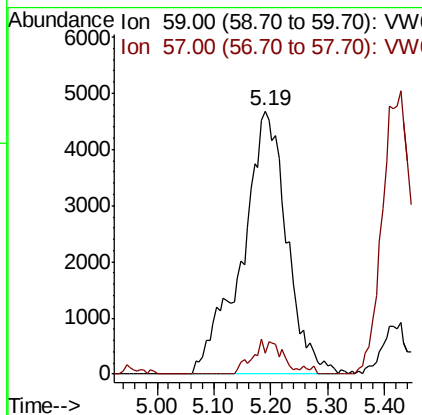
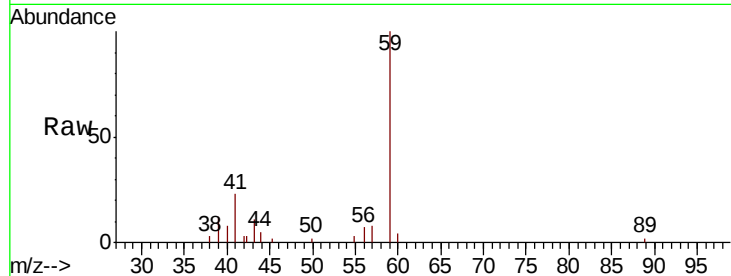


#11

Tert butyl alcohol
Concen: 146.238 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

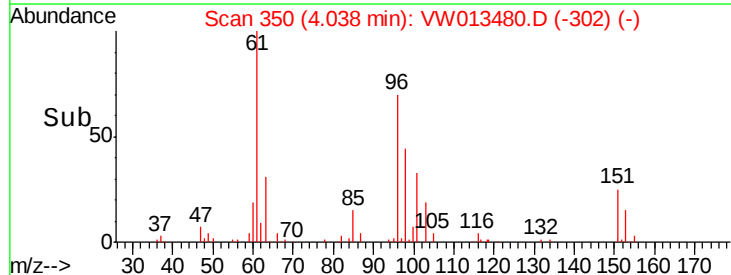
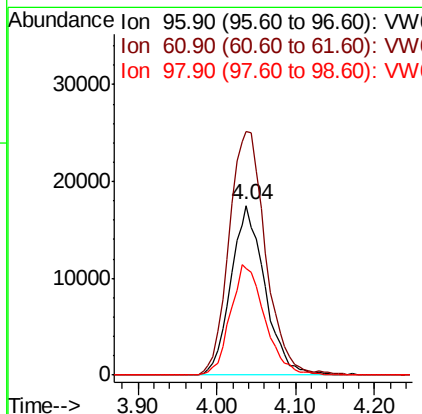
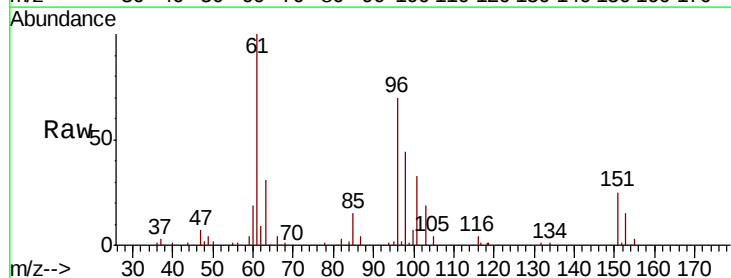
Tot Ion: 59 Resp: 25591
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.4#

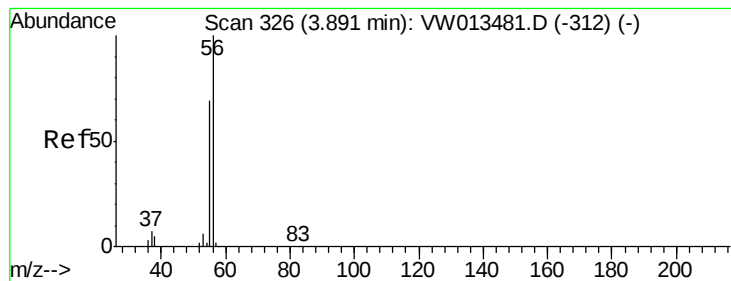


#12

1,1-Dichloroethene
Concen: 20.283 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion: 96 Resp: 52457
Ion Ratio Lower Upper
96 100
61 143.3 119.4 179.0
98 62.4 51.1 76.7





#13

Acrolein

Concen: 128.802 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

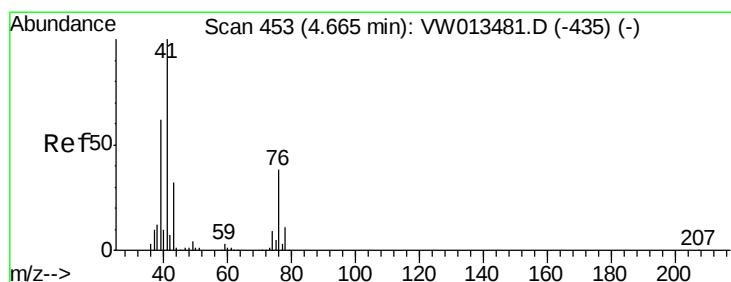
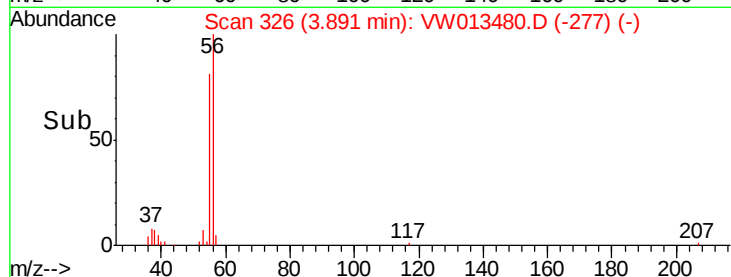
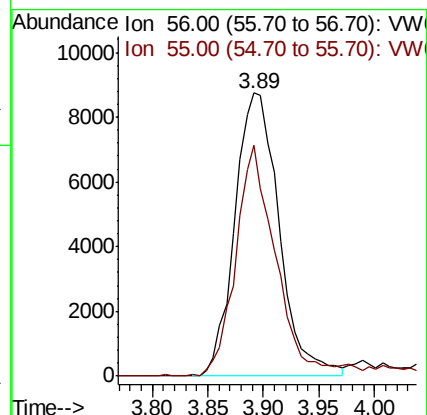
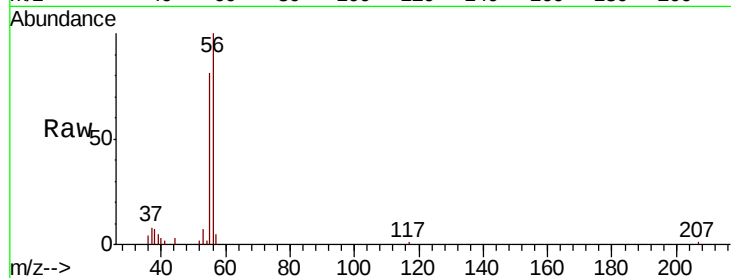
ClientSampleId :

Tot Ion: 56 Resp: 24174

Ion Ratio Lower Upper

56 100

55 72.8 55.9 83.9



#14

Allyl chloride

Concen: 20.202 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

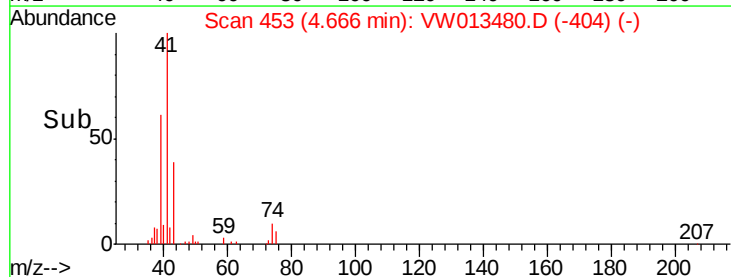
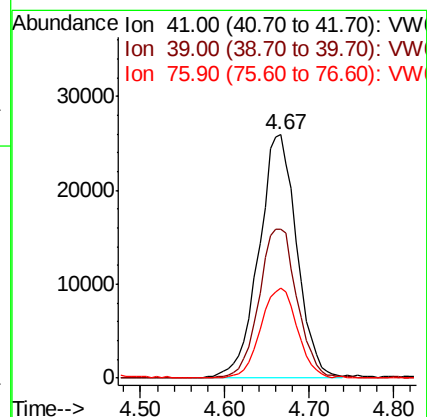
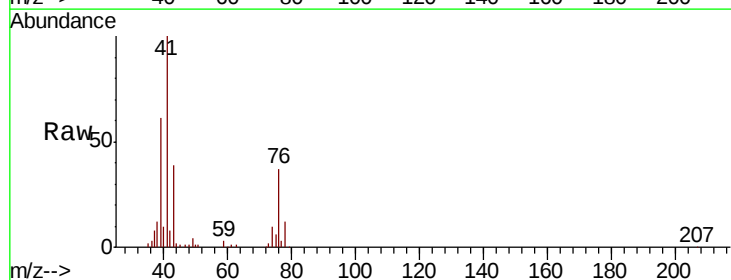
Tgt Ion: 41 Resp: 80289

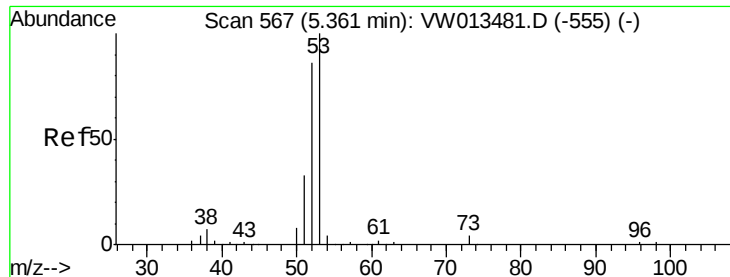
Ion Ratio Lower Upper

41 100

39 61.4 50.1 75.1

76 35.8 29.0 43.4





#15

Acrylonitrile

Concen: 114.180 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampled :

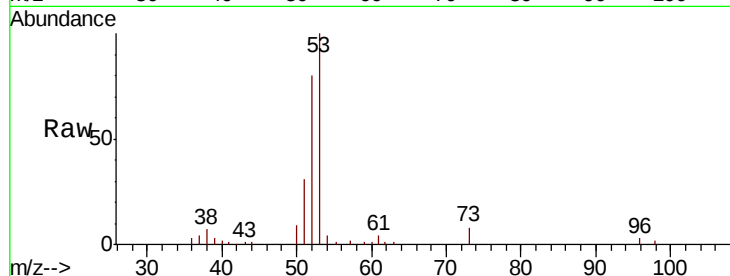
Tot Ion: 53 Resp: 66881

Ion Ratio Lower Upper

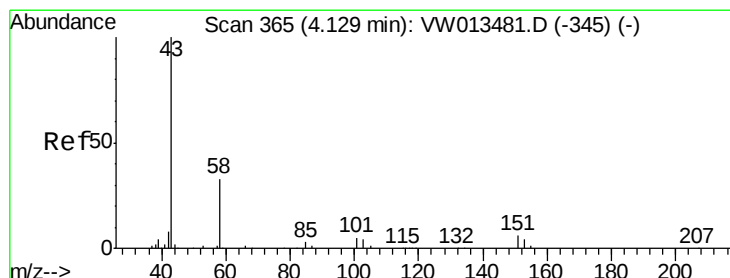
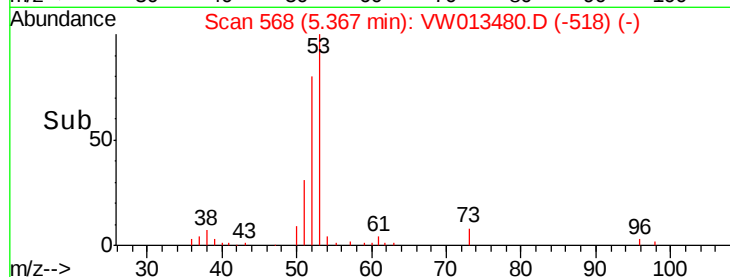
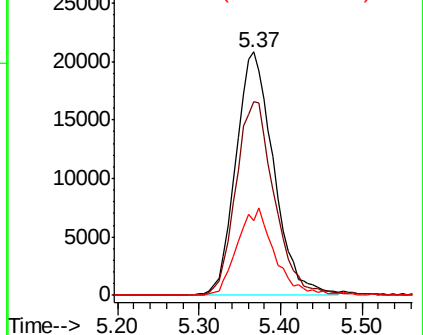
53 100

52 80.7 65.8 98.8

51 35.1 28.6 42.8



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



#16

Acetone

Concen: 105.562 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW013480.D

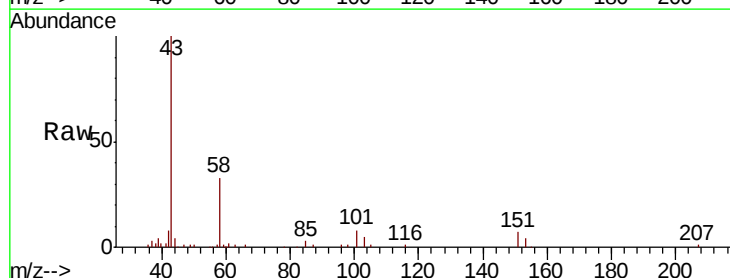
Acq: 08 Oct 2019 11:19

Tgt Ion: 43 Resp: 56553

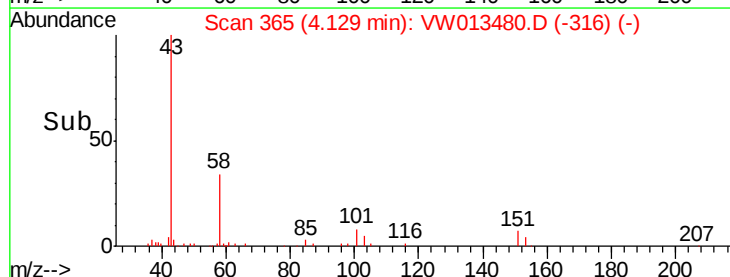
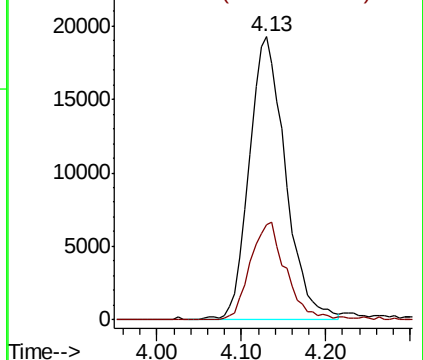
Ion Ratio Lower Upper

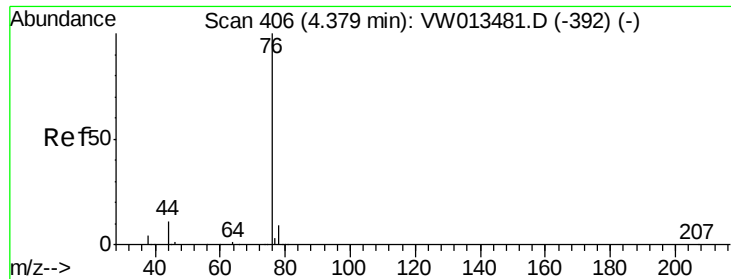
43 100

58 33.4 26.1 39.1



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

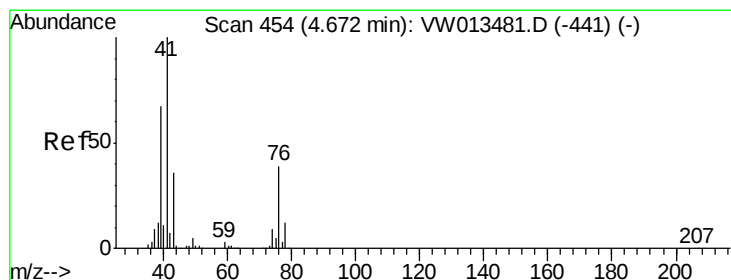
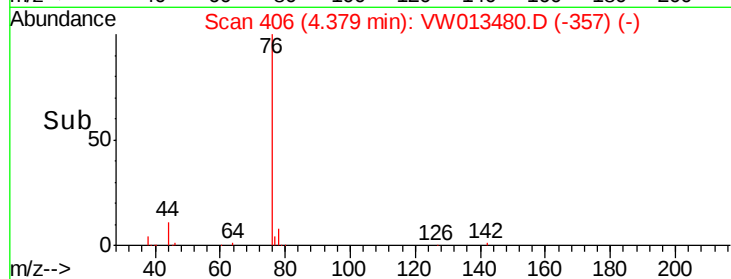
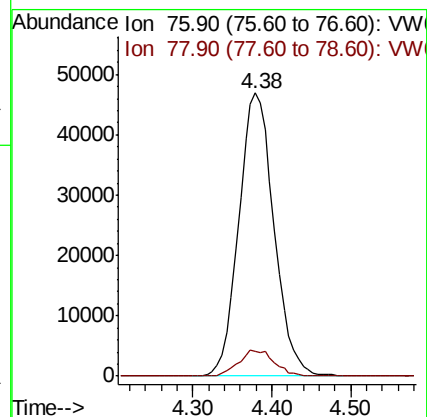
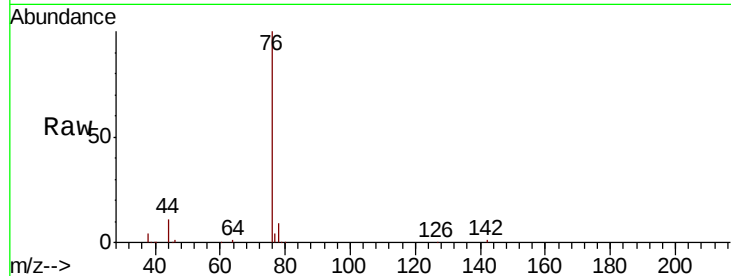




#17
Carbon Disulfide
Concen: 20.030 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

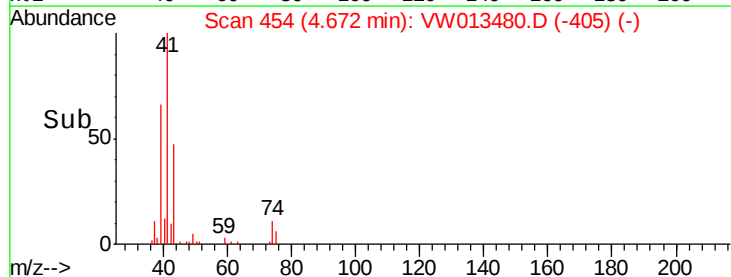
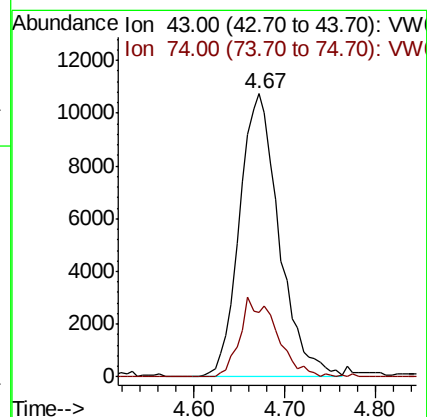
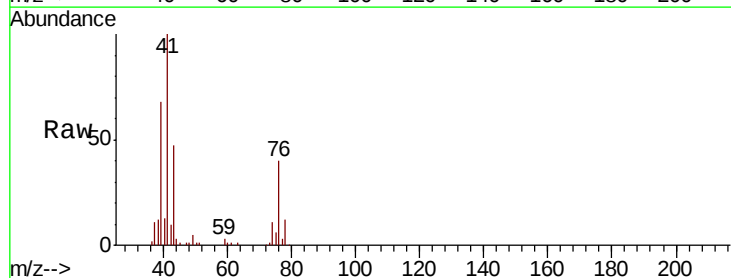
Instrument :
MSVOA_W
ClientSampled :

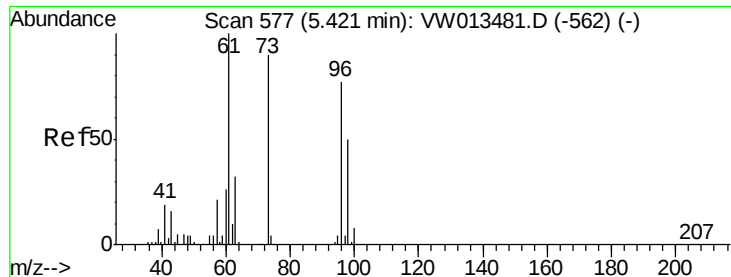
Tot Ion: 76 Resp: 145408
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 21.248 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion: 43 Resp: 32608
Ion Ratio Lower Upper
43 100
74 25.6 19.6 29.4



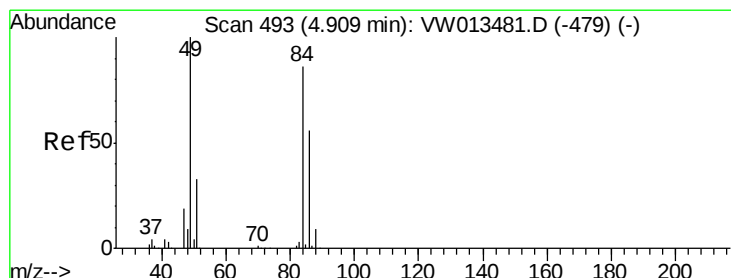
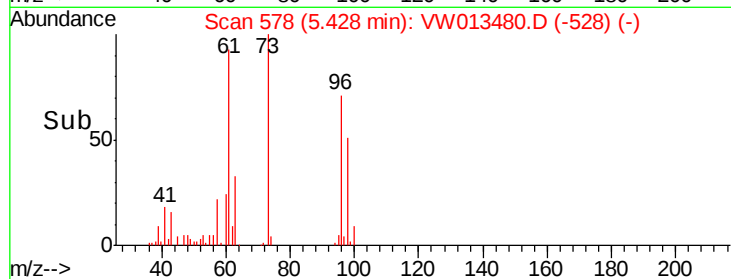
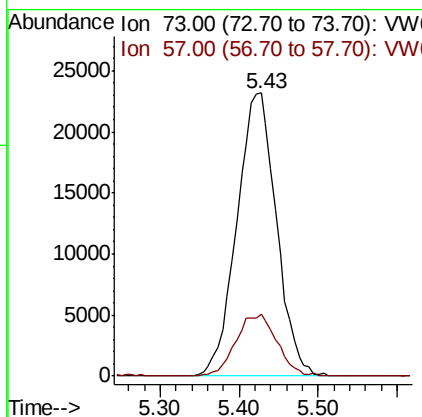
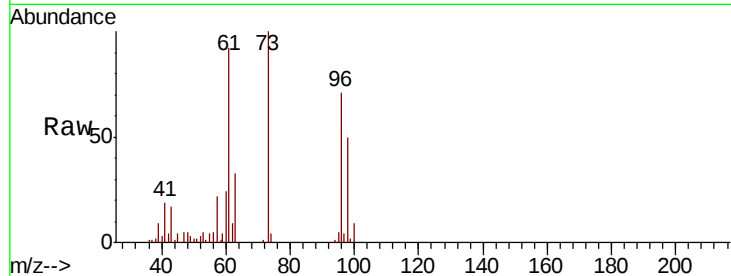


#19

Methyl tert-butyl Ether
 Concen: 20.668 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Instrument :
 MSVOA_W
 ClientSampled :

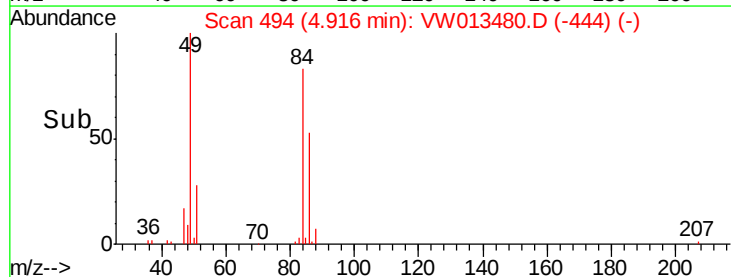
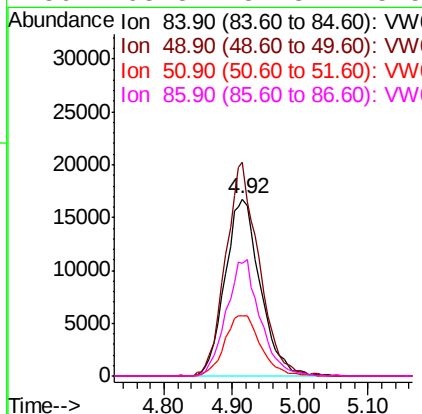
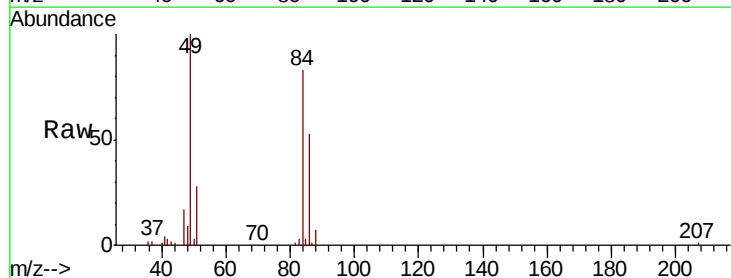
Tot Ion: 73 Resp: 80827
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.6 27.8

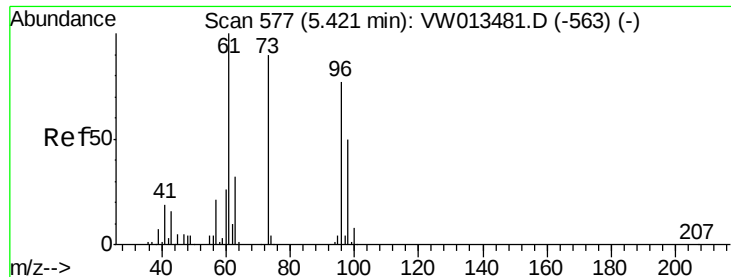


#20

Methylene Chloride
 Concen: 20.395 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion: 84 Resp: 60151
 Ion Ratio Lower Upper
 84 100
 49 120.7 93.4 140.0
 51 34.3 30.6 46.0
 86 63.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.367 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

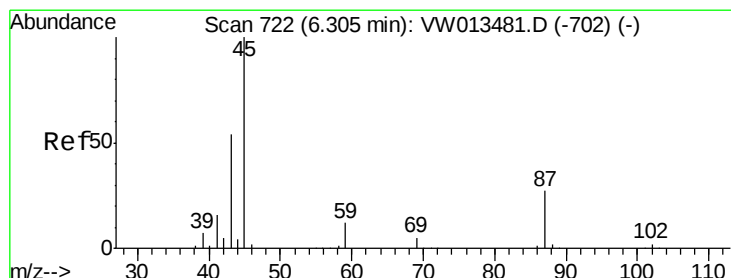
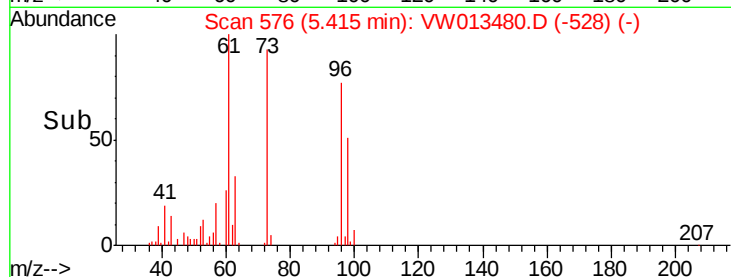
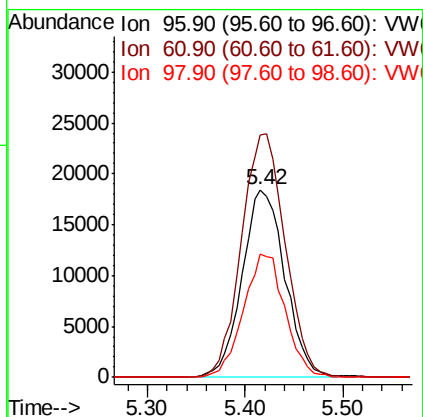
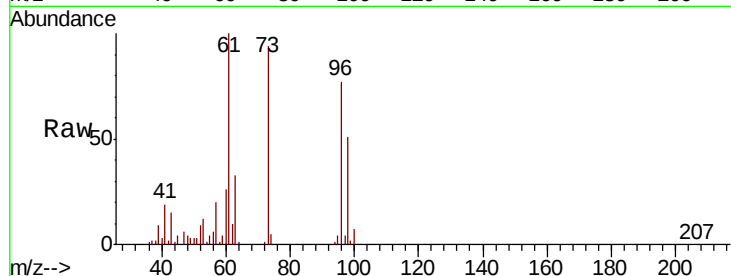
Tot Ion: 96 Resp: 55970

Ion Ratio Lower Upper

96 100

61 129.4 104.3 156.5

98 65.6 51.8 77.8



#22

Diisopropyl ether

Concen: 19.826 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Tgt Ion: 45 Resp: 147633

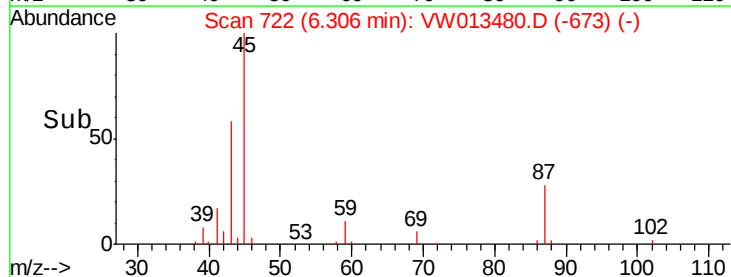
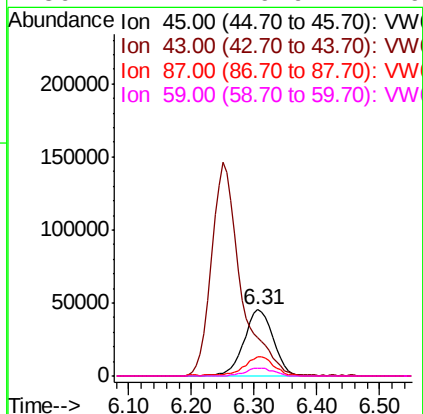
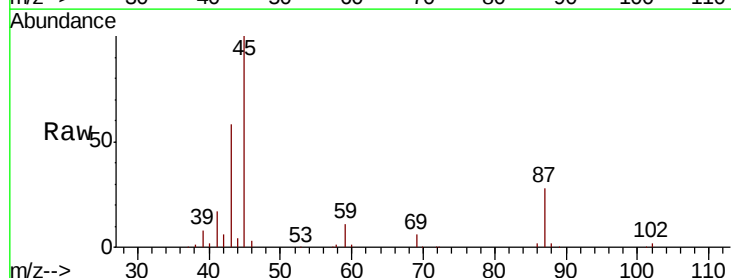
Ion Ratio Lower Upper

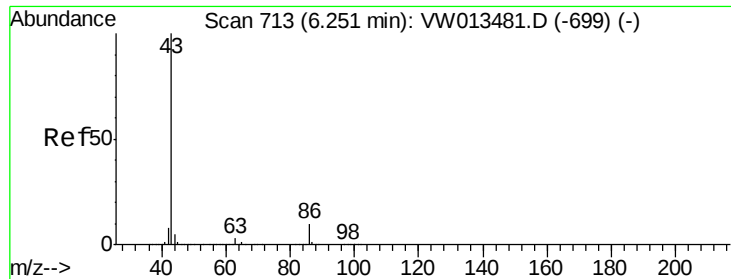
45 100

43 57.3 43.4 65.0

87 28.3 22.1 33.1

59 11.2 9.9 14.9





#23

Vinyl Acetate

Concen: 105.265 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

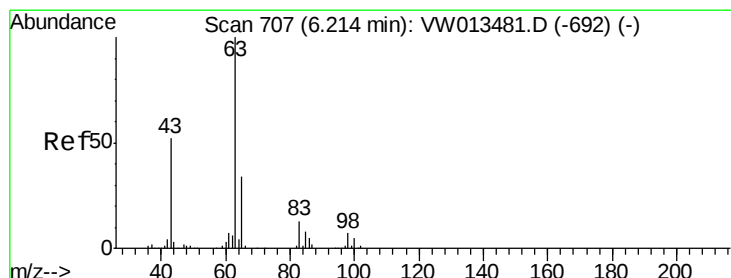
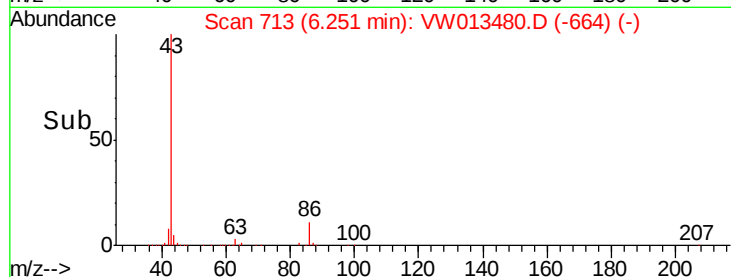
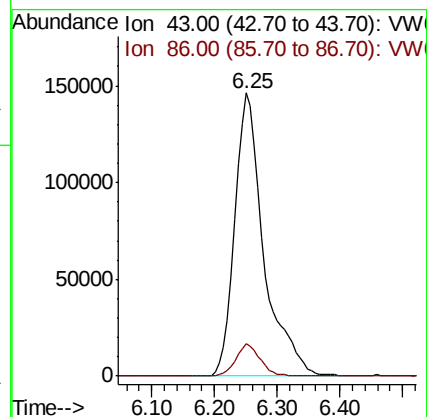
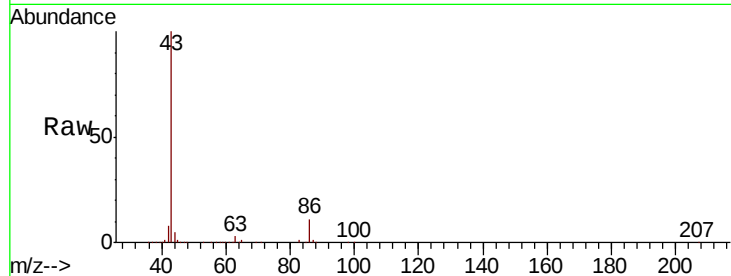
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 470601

Ion Ratio Lower Upper

43 100

86 11.4 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.892 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

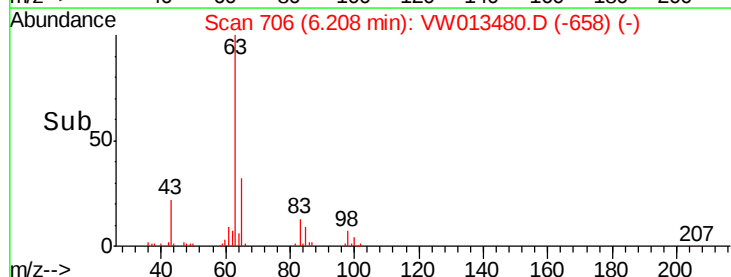
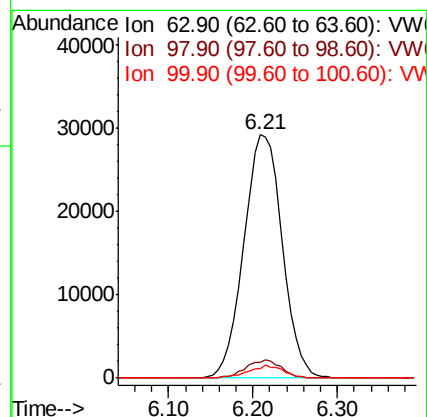
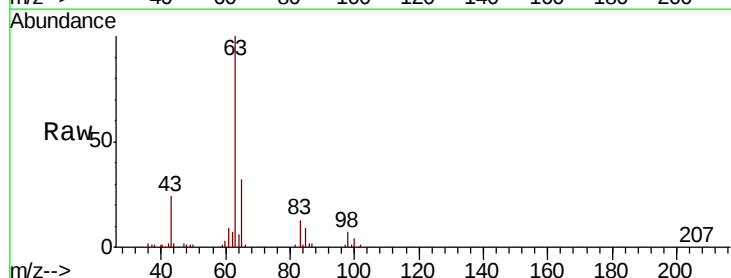
Tgt Ion: 63 Resp: 90534

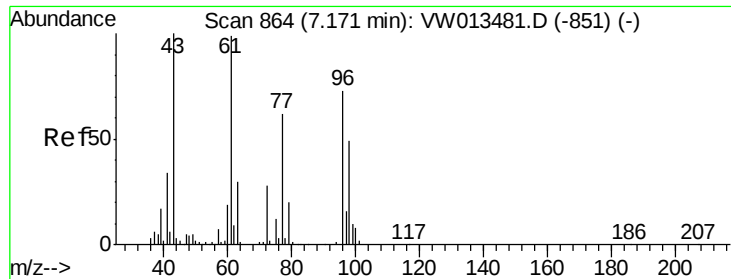
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.6

100 4.1 2.3 6.8





#25

2-Butanone

Concen: 113.679 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

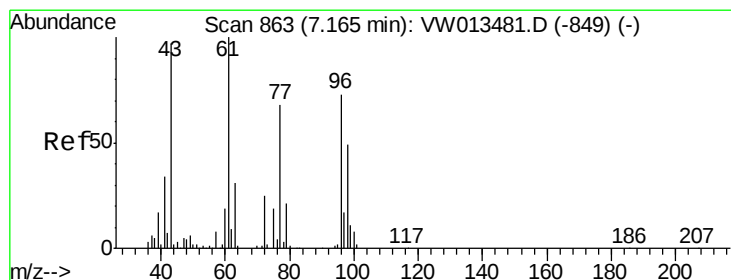
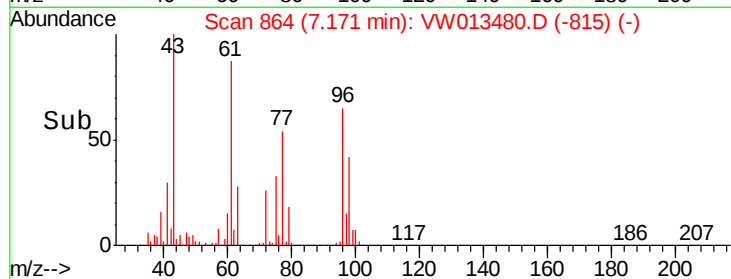
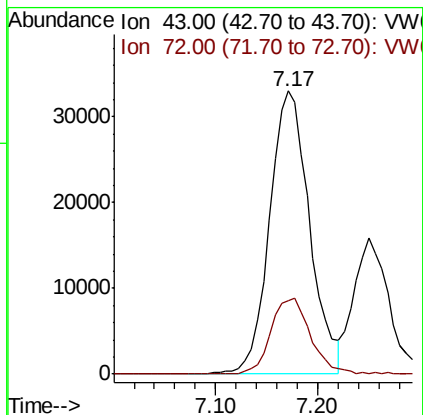
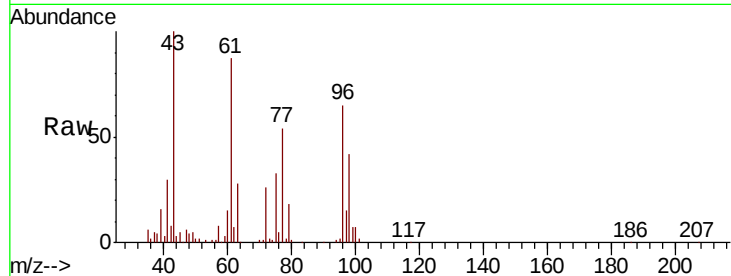
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 89754

Ion Ratio Lower Upper

43 100

72 25.8 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.374 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013480.D

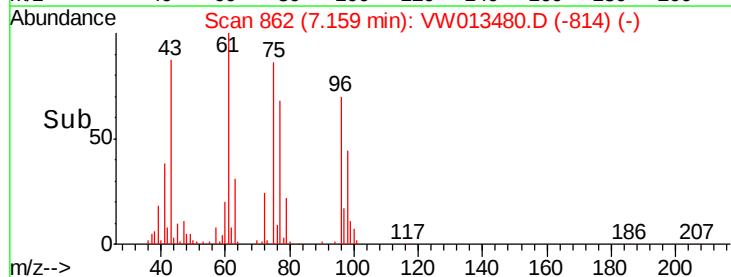
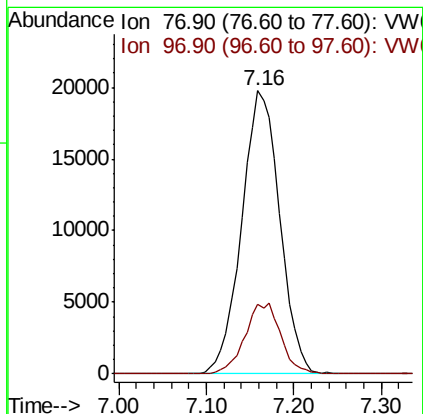
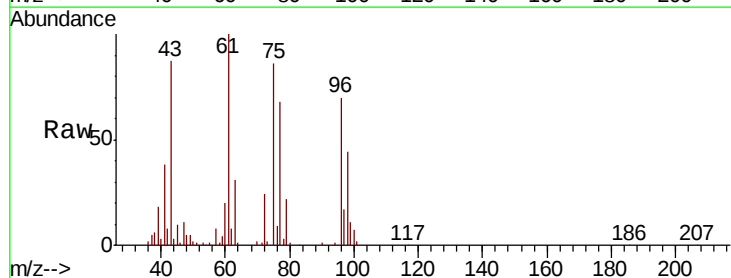
Acq: 08 Oct 2019 11:19

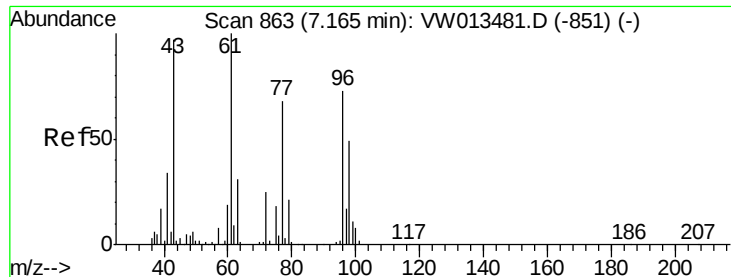
Tgt Ion: 77 Resp: 59780

Ion Ratio Lower Upper

77 100

97 23.5 12.6 37.6



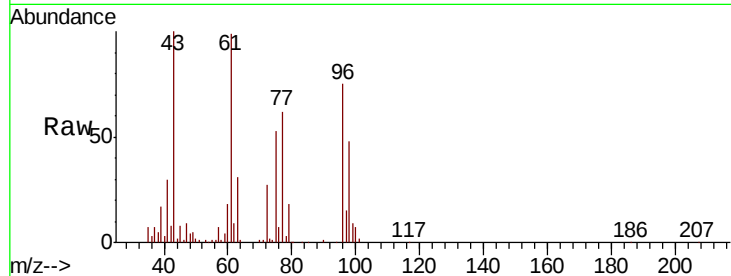


#27

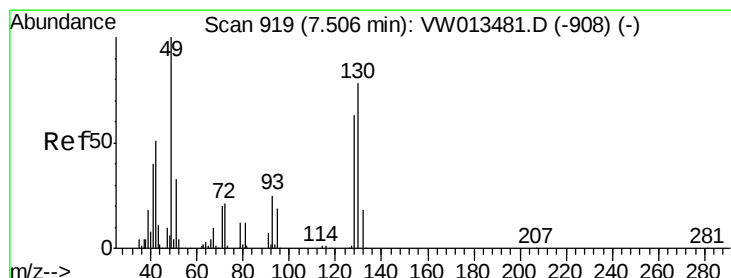
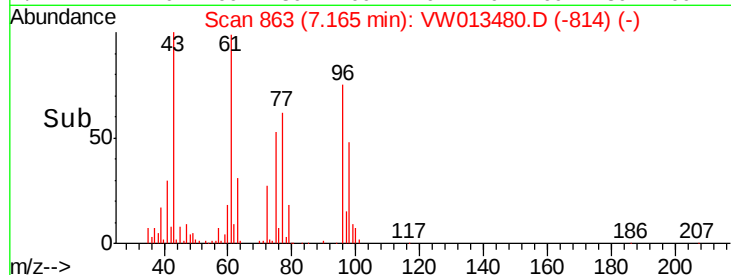
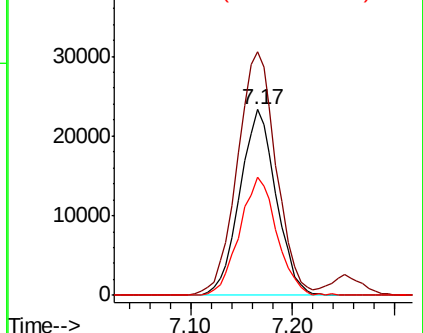
cis-1,2-Dichloroethene
Concen: 19.903 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 57874
Ion Ratio Lower Upper
96 100
61 139.8 0.0 274.4
98 65.1 0.0 130.2



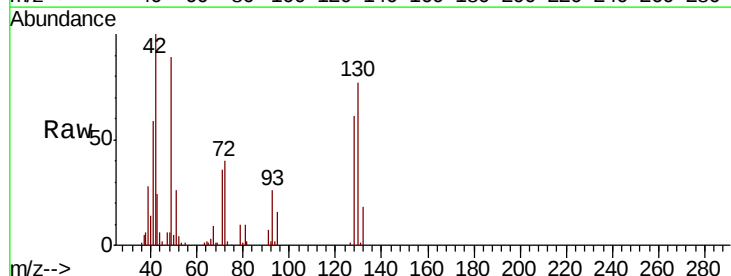
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



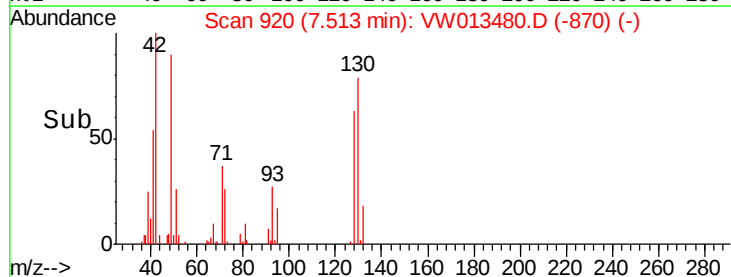
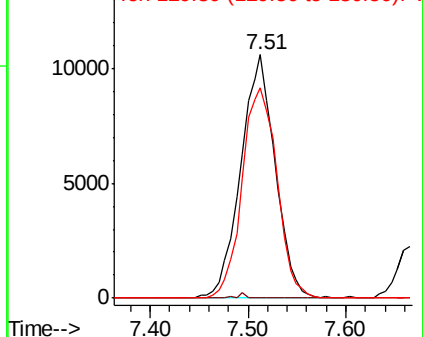
#28

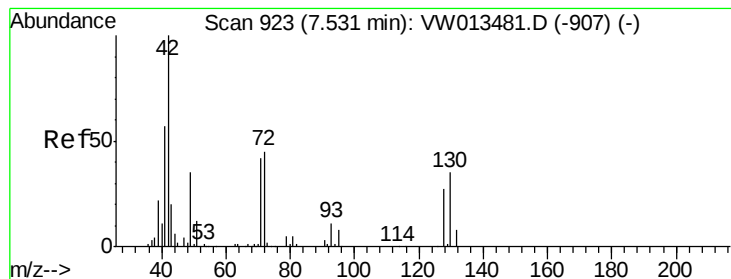
Bromochloromethane
Concen: 15.942 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion: 49 Resp: 25877
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.6
130 87.6 0.0 0.0#



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





#29

Tetrahydrofuran

Concen: 115.606 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

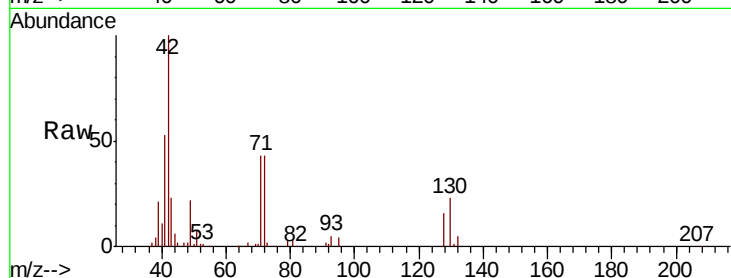
Tot Ion: 42 Resp: 55786

Ion Ratio Lower Upper

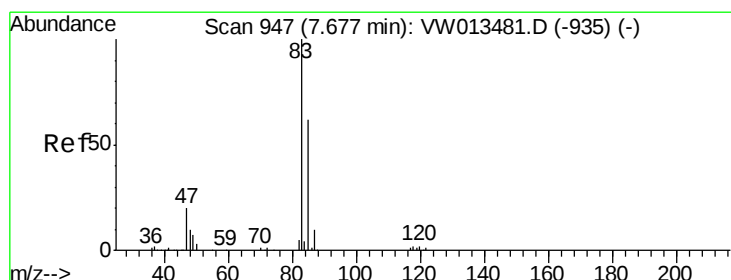
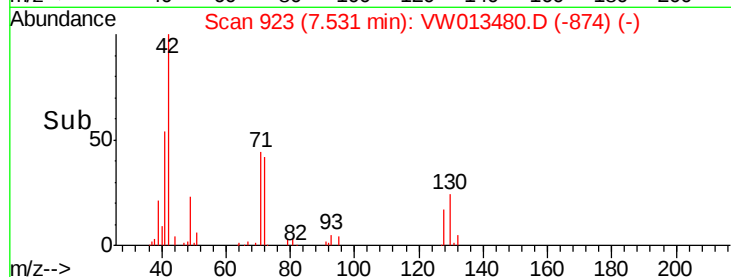
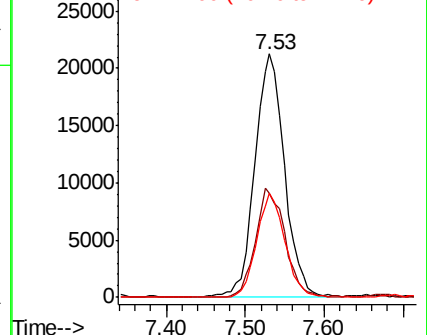
42 100

72 44.3 34.8 52.2

71 40.7 33.6 50.4



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



#30

Chloroform

Concen: 19.745 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013480.D

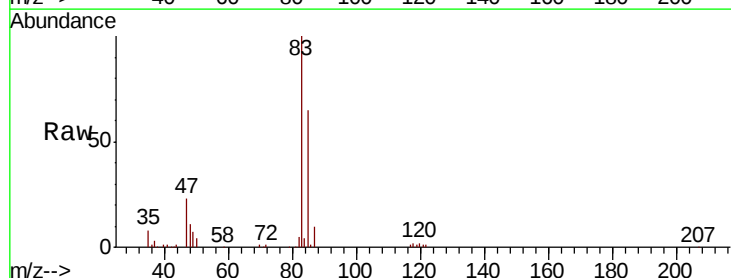
Acq: 08 Oct 2019 11:19

Tgt Ion: 83 Resp: 86928

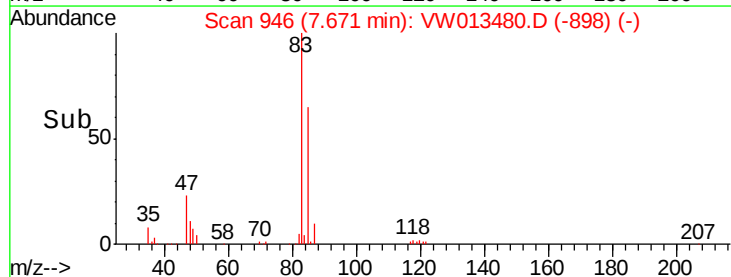
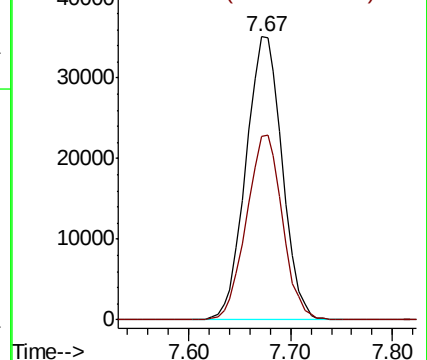
Ion Ratio Lower Upper

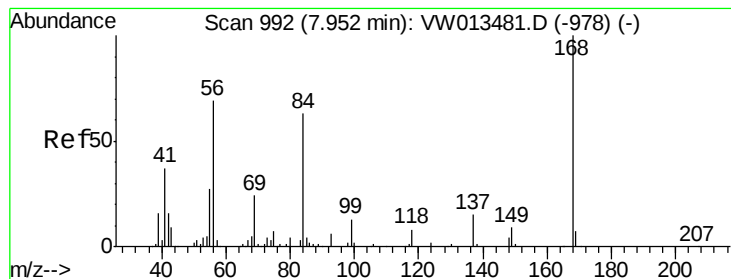
83 100

85 64.9 49.4 74.2



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





#31

Cyclohexane

Concen: 20.154 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

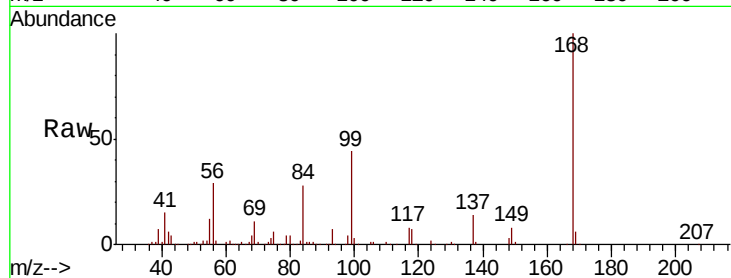
Tot Ion: 56 Resp: 97088

Ion Ratio Lower Upper

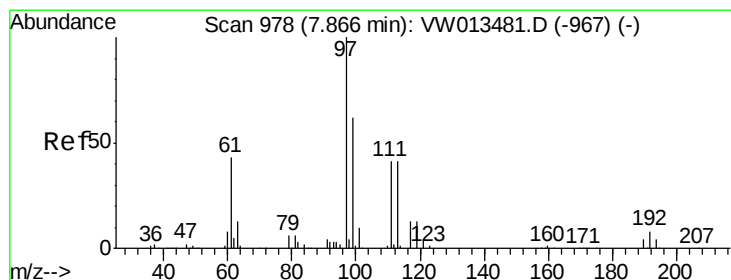
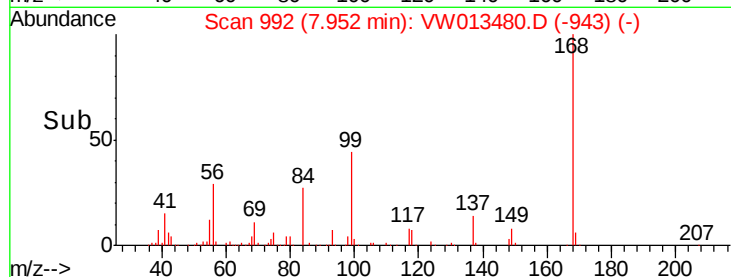
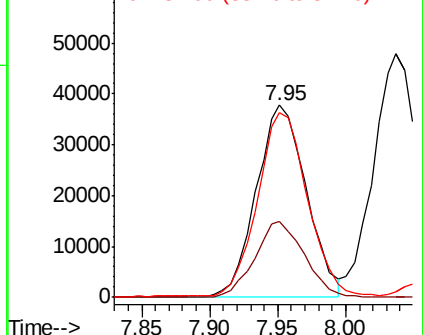
56 100

69 39.4 28.0 42.0

84 95.6 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 20.482 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

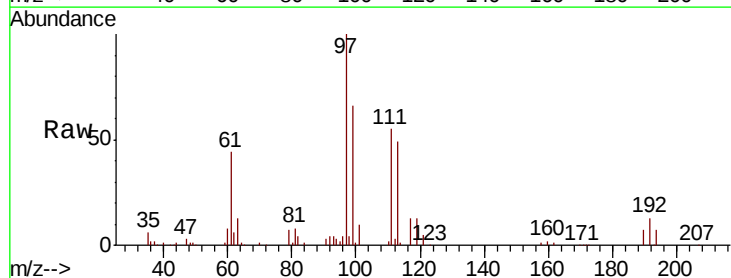
Tgt Ion: 97 Resp: 73298

Ion Ratio Lower Upper

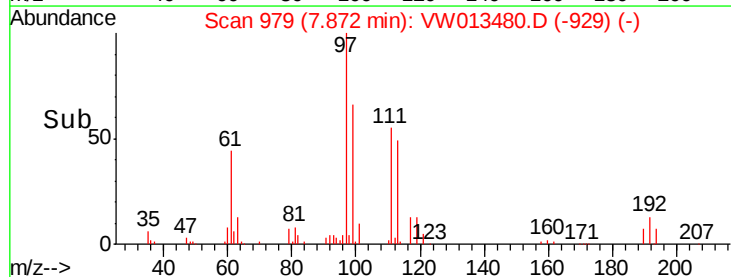
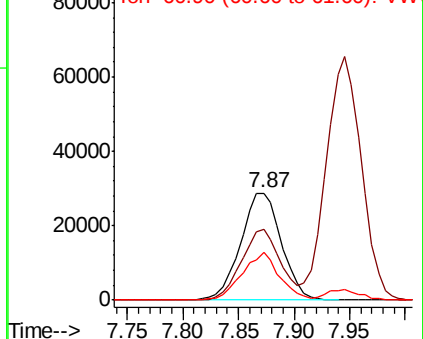
97 100

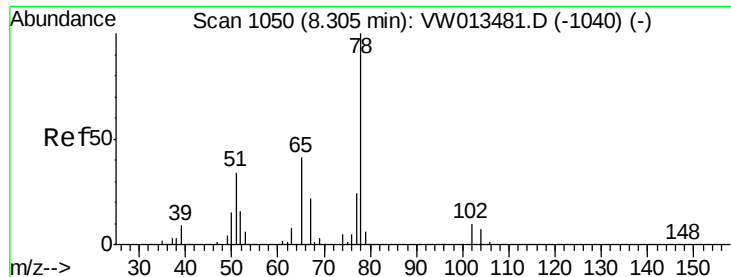
99 62.8 52.3 78.5

61 40.7 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 19.706 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

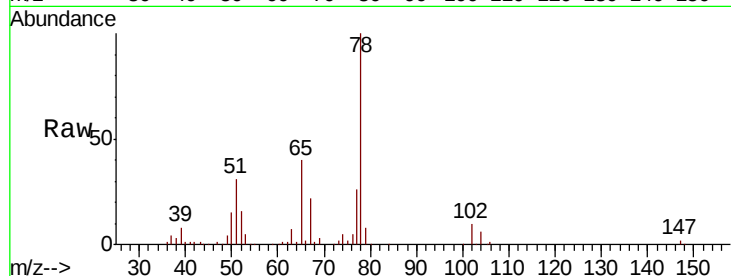
ClientSampled :

Tot Ion: 65 Resp: 45366

Ion Ratio Lower Upper

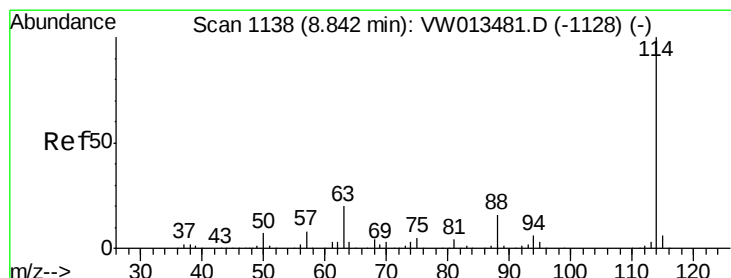
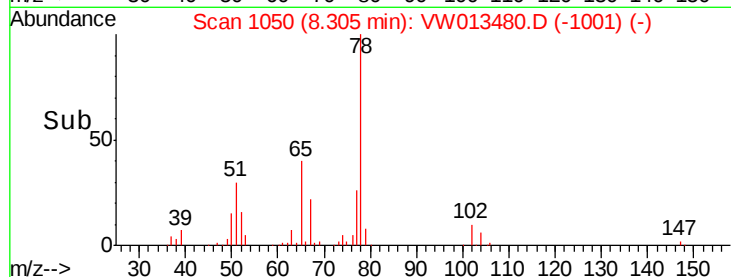
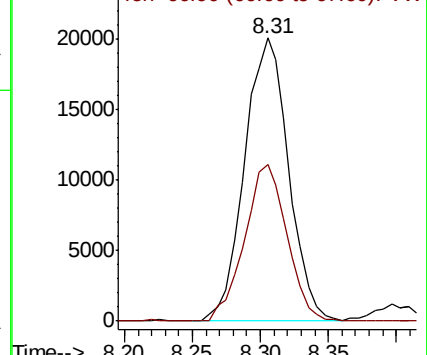
65 100

67 53.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

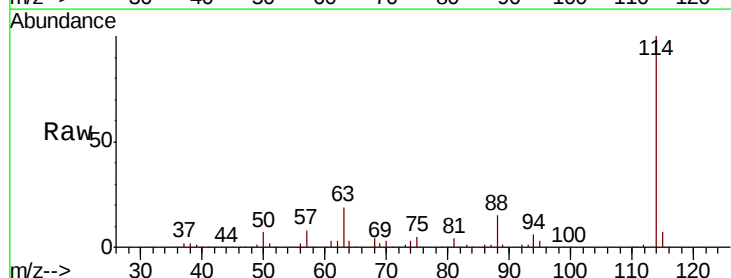
Tgt Ion: 114 Resp: 414156

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

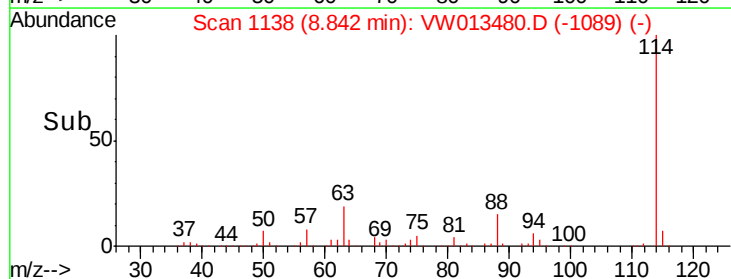
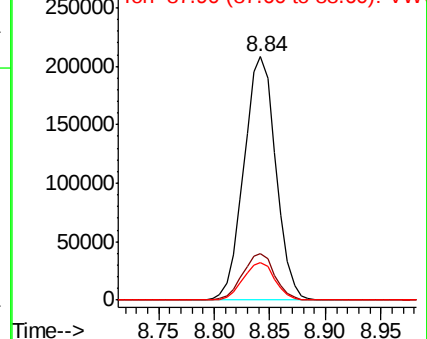
88 15.4 0.0 31.4

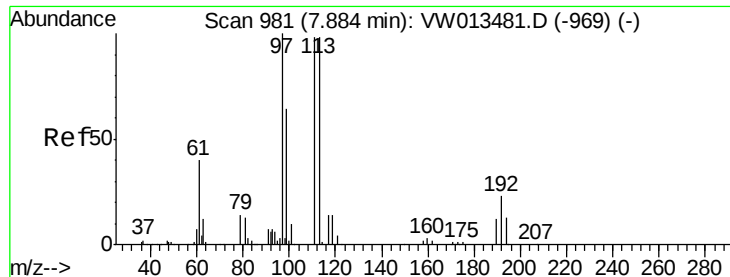


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

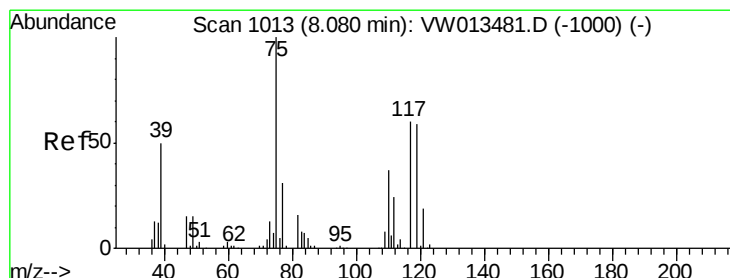
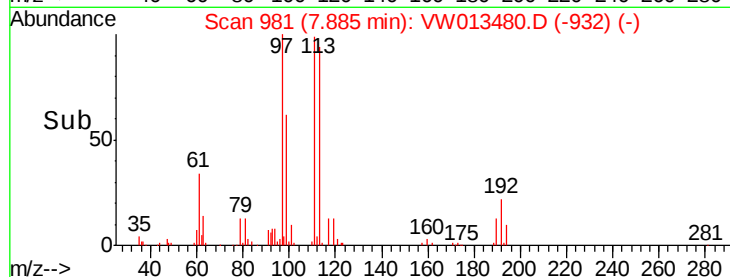
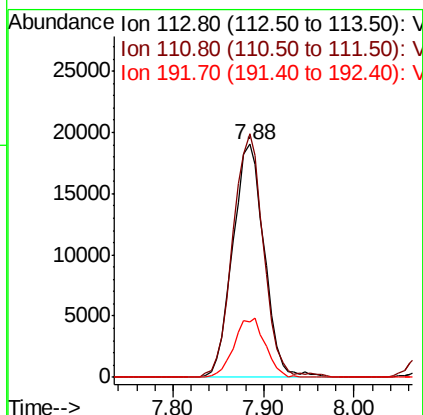
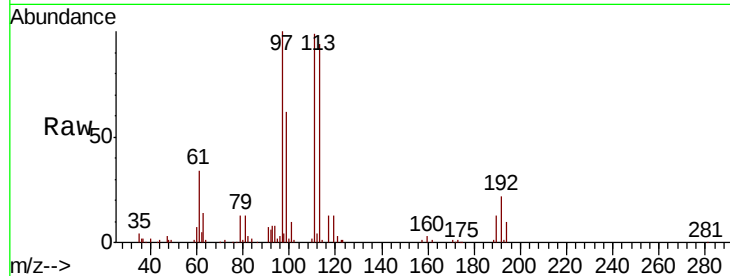




#35
Dibromofluoromethane
Concen: 19.820 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

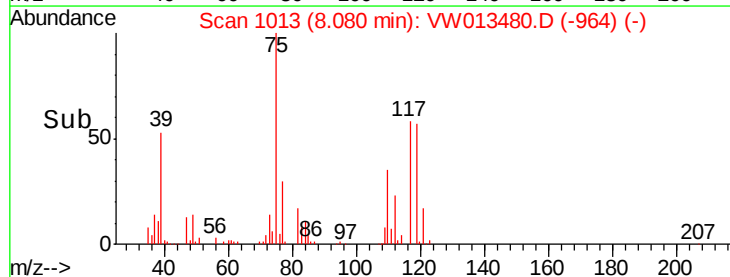
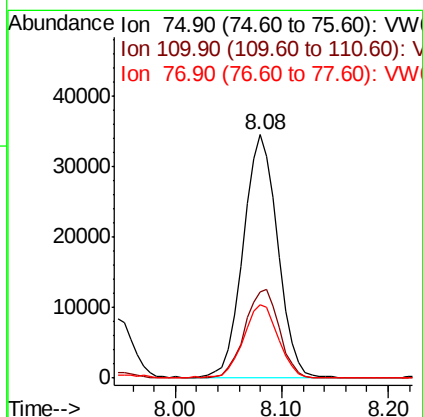
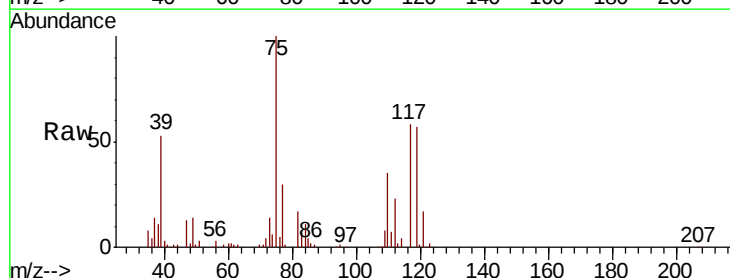
Instrument :
MSVOA_W
ClientSampled :

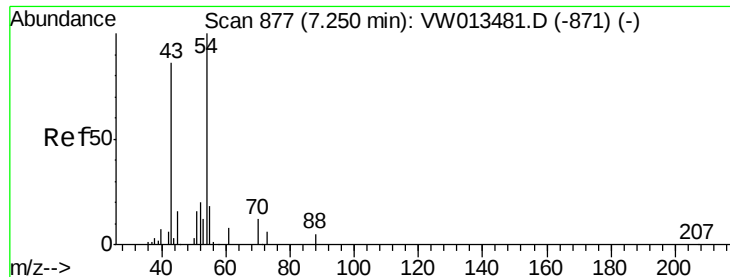
Tot Ion:113 Resp: 45846
Ion Ratio Lower Upper
113 100
111 101.6 82.3 123.5
192 25.1 19.3 28.9



#36
1,1-Dichloropropene
Concen: 21.003 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion: 75 Resp: 78688
Ion Ratio Lower Upper
75 100
110 36.3 18.4 55.2
77 30.6 25.0 37.4

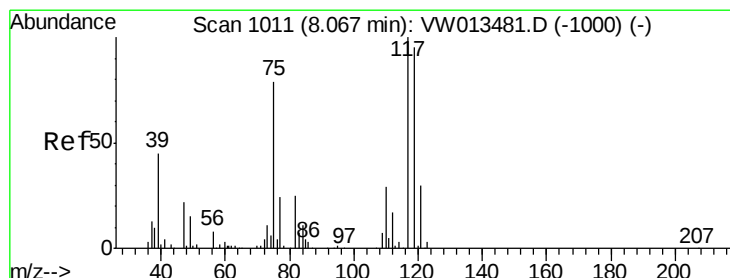
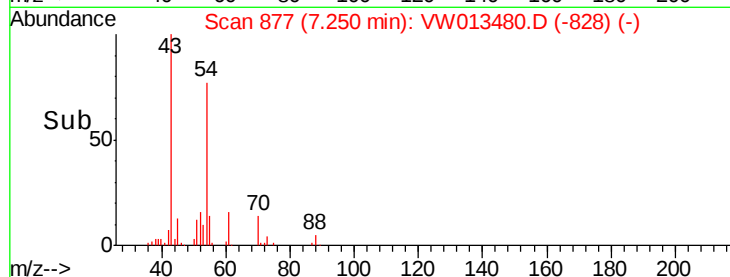
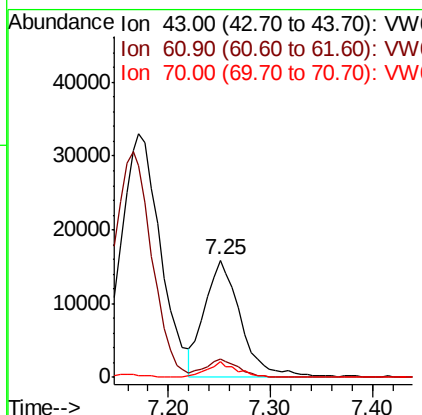
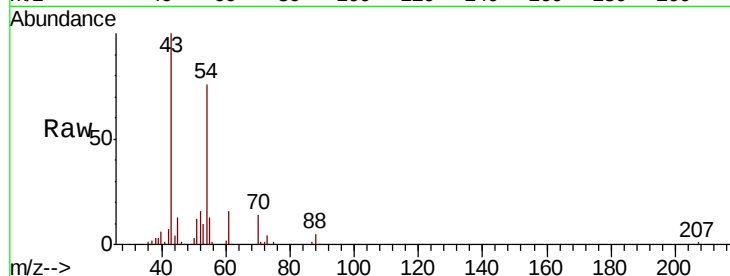




#37
Ethyl Acetate
Concen: 22.860 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

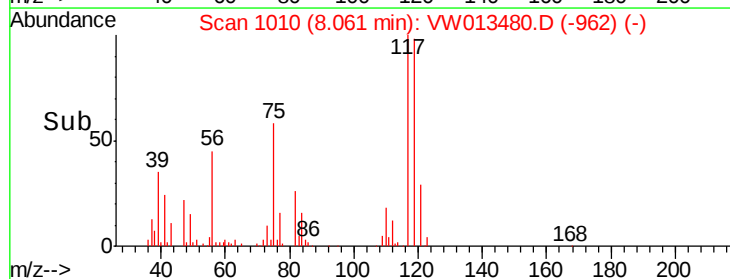
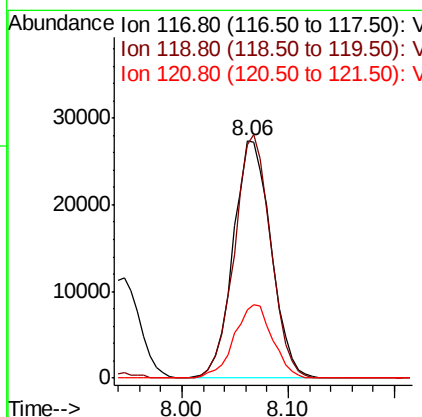
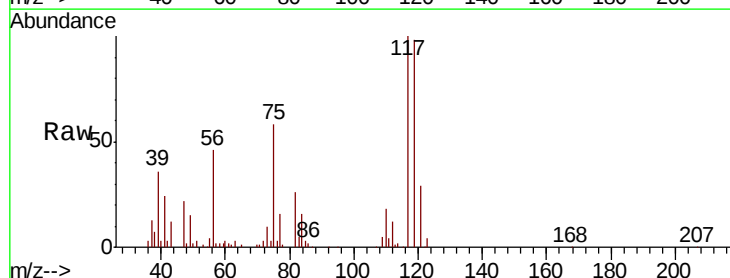
Instrument :
MSVOA_W
ClientSampleId :

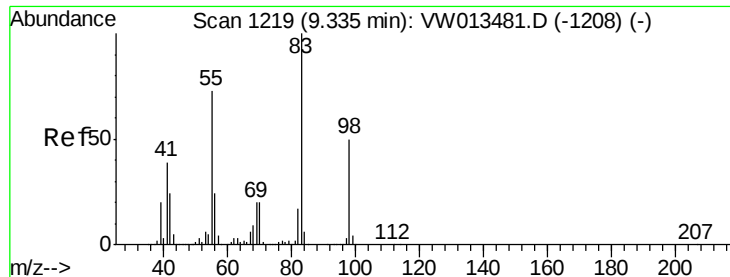
Tot Ion: 43 Resp: 38860
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 11.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.634 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion: 117 Resp: 68530
Ion Ratio Lower Upper
117 100
119 98.5 76.3 114.5
121 28.7 23.6 35.4

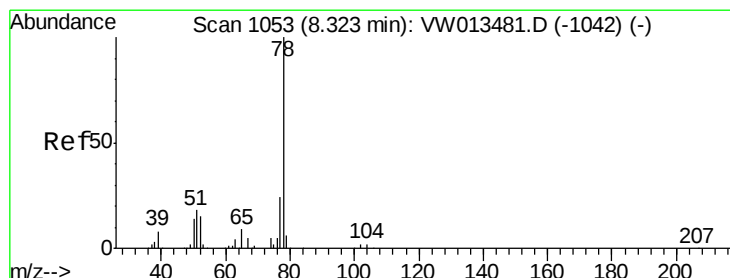
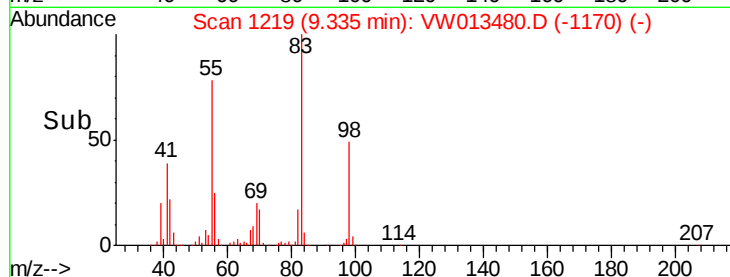
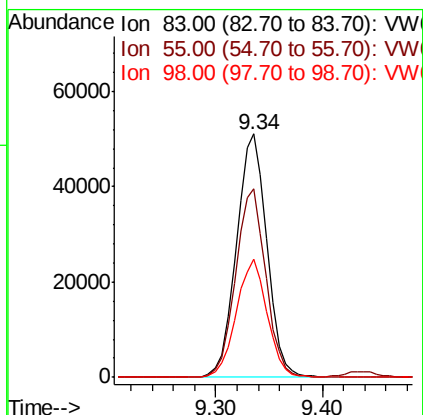
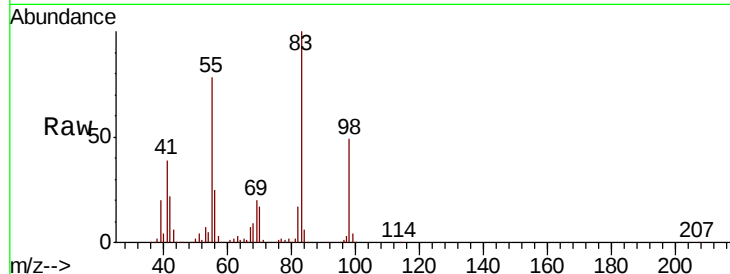




#39
Methvlcvclohexane
Concen: 21.127 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

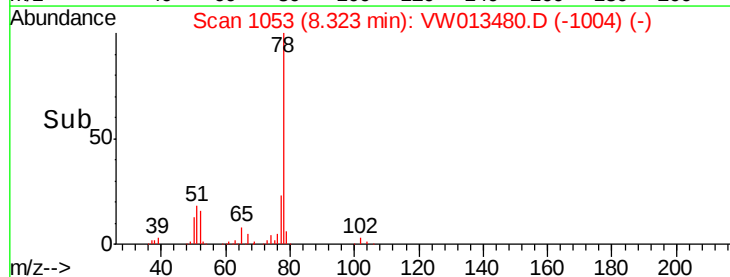
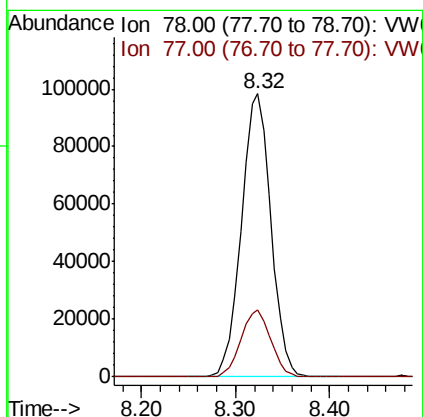
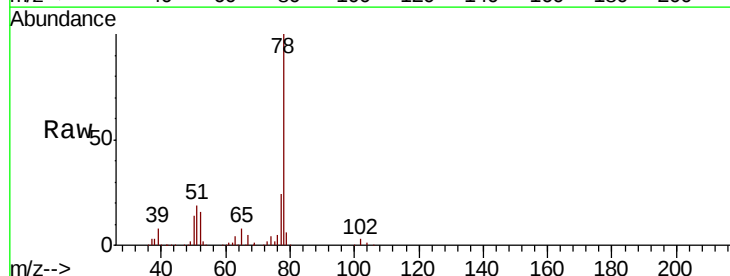
Instrument :
MSVOA_W
ClientSampleId :

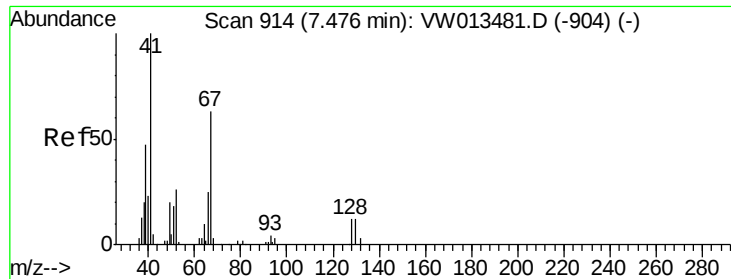
Tot Ion	83.00	Resp	102549
Ion	Ratio	Lower	Upper
83	100		
55	77.6	58.2	87.4
98	48.8	39.8	59.6



#40
Benzene
Concen: 20.640 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion	78	Resp	215861
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8

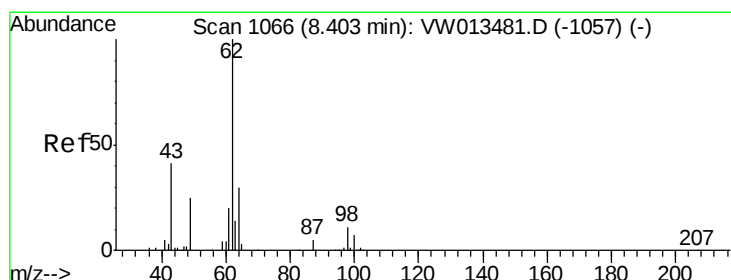
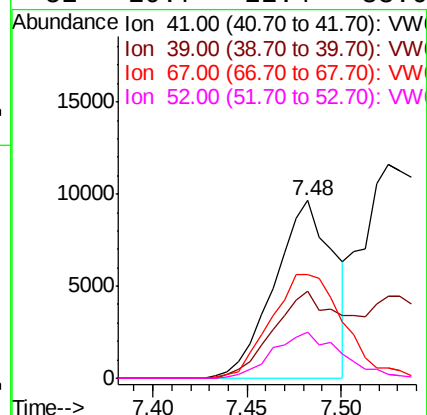
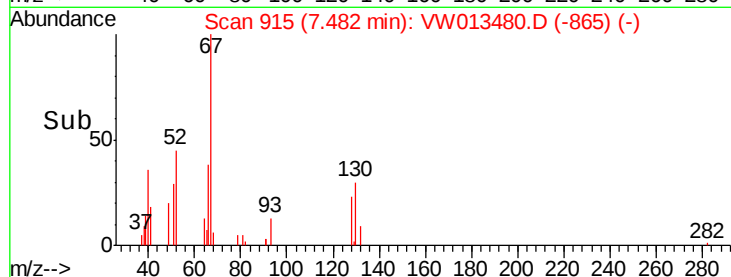
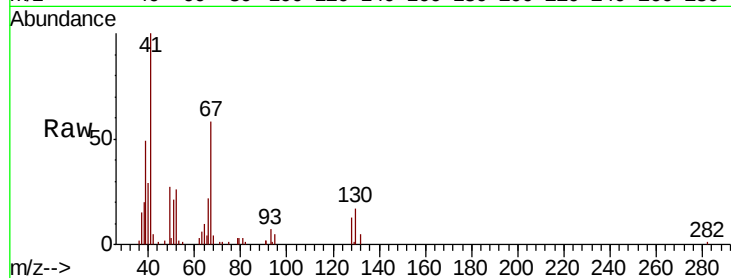




#41
Methacrylonitrile
Concen: 21.844 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

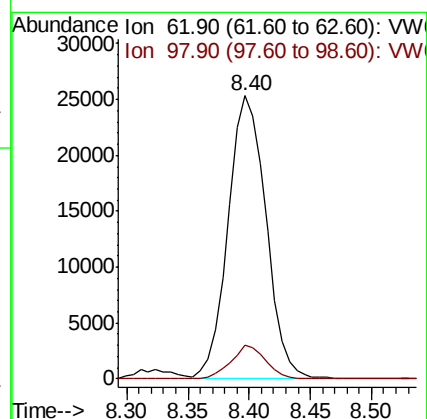
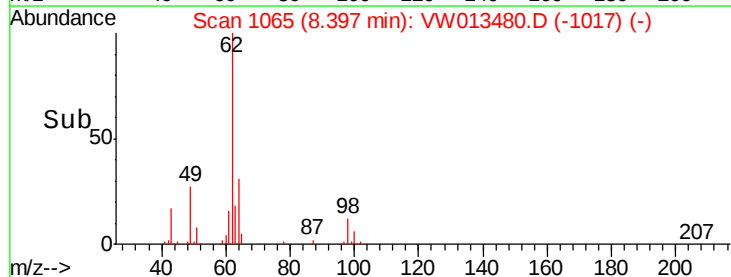
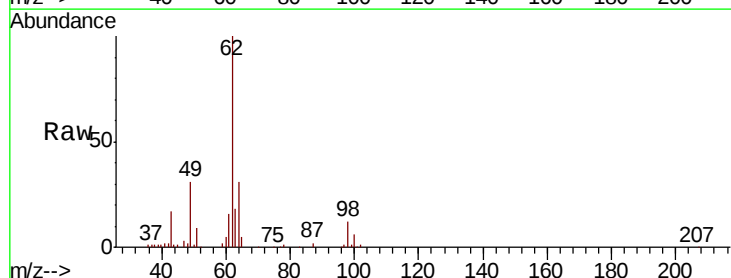
Instrument :
MSVOA_W
ClientSampleId :

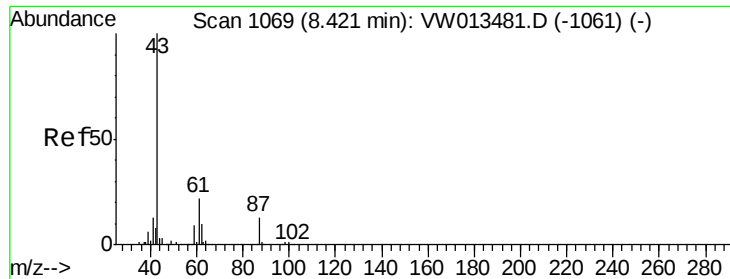
Tot Ion:	41	Resp:	21115
Ion	Ratio	Lower	Upper
41	100		
39	62.4	39.4	59.0#
67	72.4	57.0	85.6
52	29.7	22.4	33.6



#42
1,2-Dichloroethane
Concen: 20.605 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion:	62	Resp:	54469
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4





#43

Isopropyl Acetate

Concen: 21.821 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

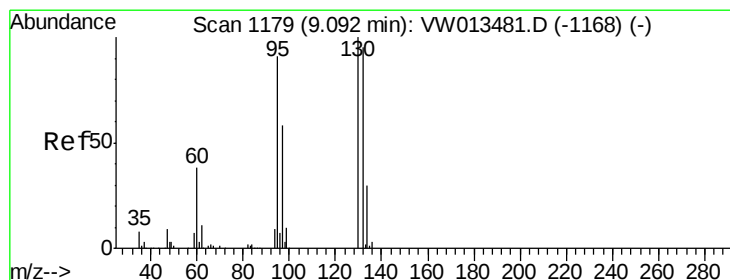
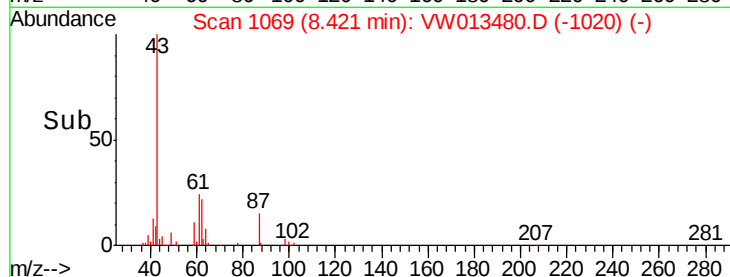
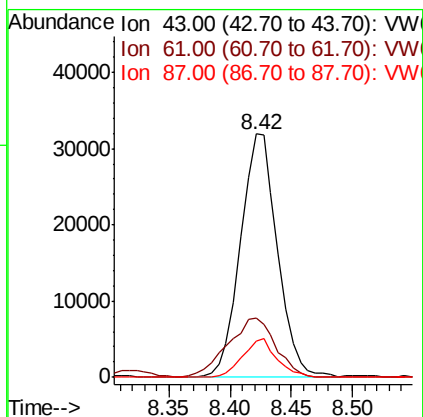
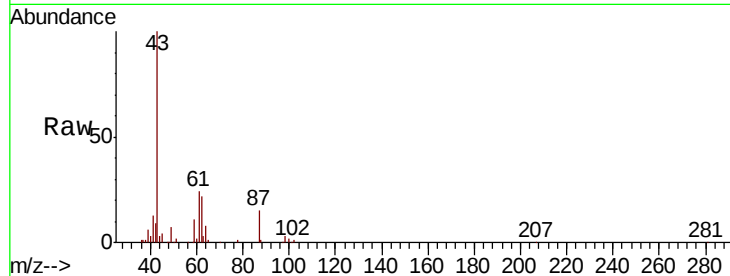
Tot Ion: 43 Resp: 67015

Ion Ratio Lower Upper

43 100

61 31.7 25.4 38.2

87 14.6 10.8 16.2



#44

Trichloroethene

Concen: 20.598 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013480.D

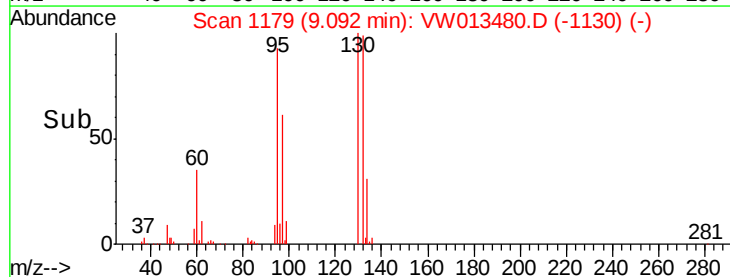
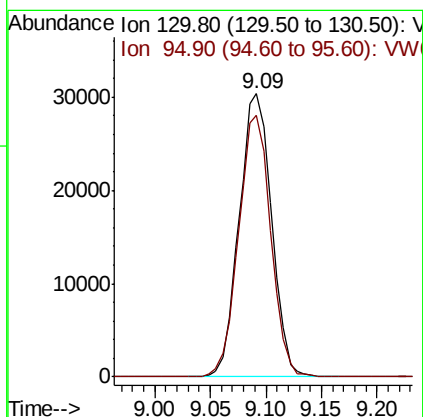
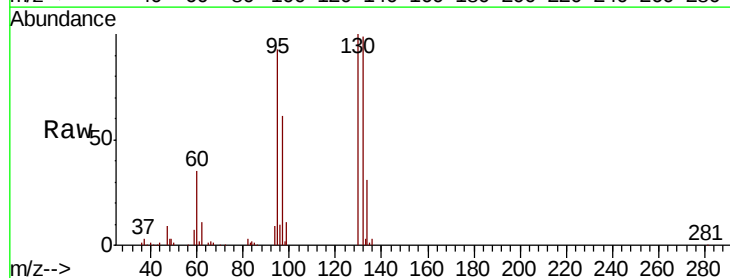
Acq: 08 Oct 2019 11:19

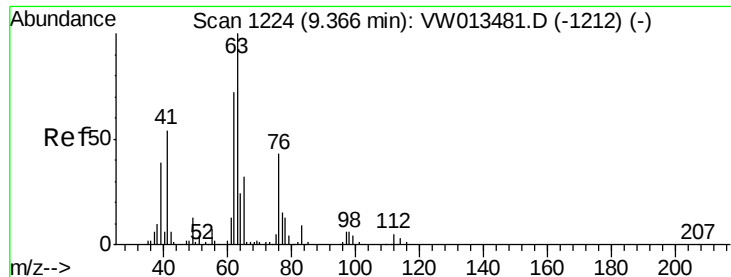
Tgt Ion: 130 Resp: 61454

Ion Ratio Lower Upper

130 100

95 92.5 0.0 182.2

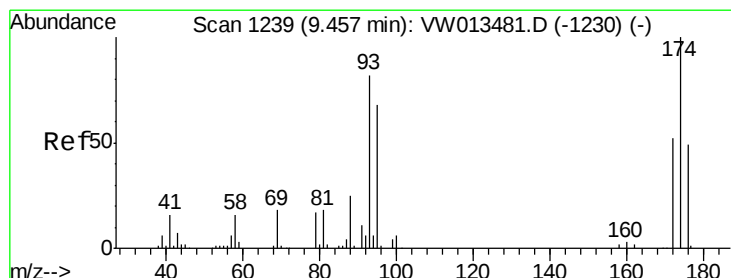
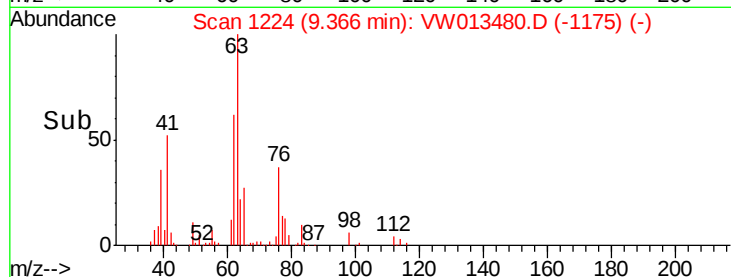
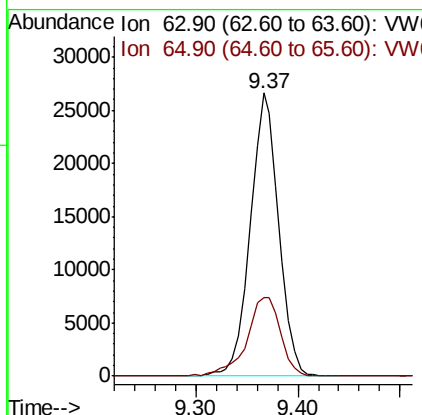
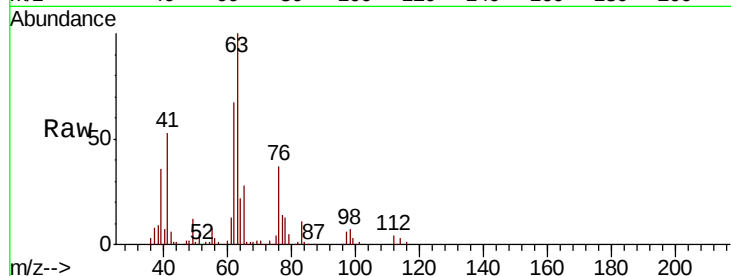




#45
 1,2-Dichloropropane
 Concen: 20.526 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

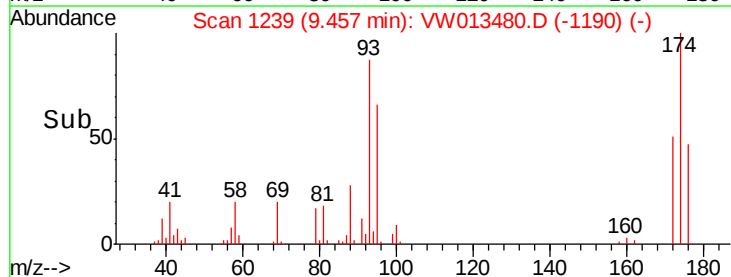
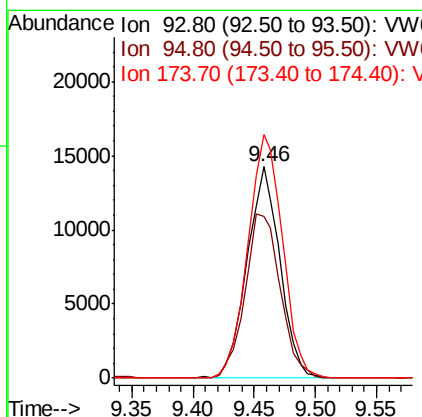
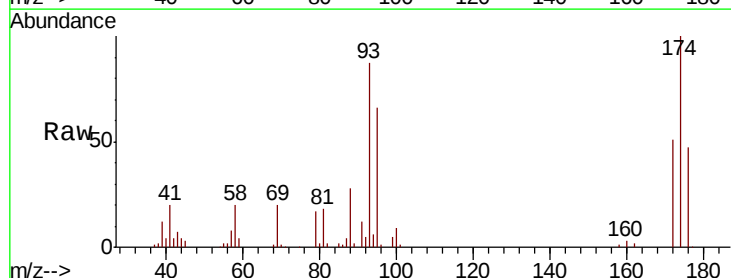
Instrument :
 MSVOA_W
 ClientSampled :

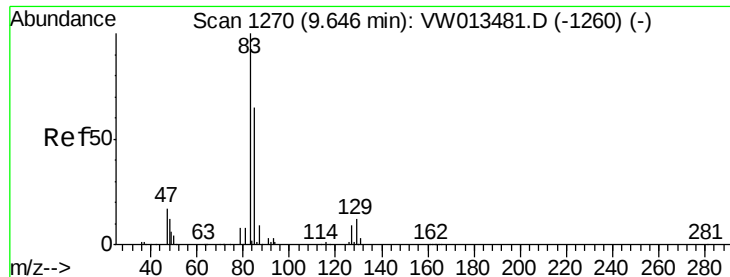
Tot Ion: 63 Resp: 51525
 Ion Ratio Lower Upper
 63 100
 65 27.8 25.8 38.6



#46
 Dibromomethane
 Concen: 21.380 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion: 93 Resp: 26737
 Ion Ratio Lower Upper
 93 100
 95 83.3 68.0 102.0
 174 121.3 97.0 145.6





#47

Bromodichloromethane

Concen: 19.576 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

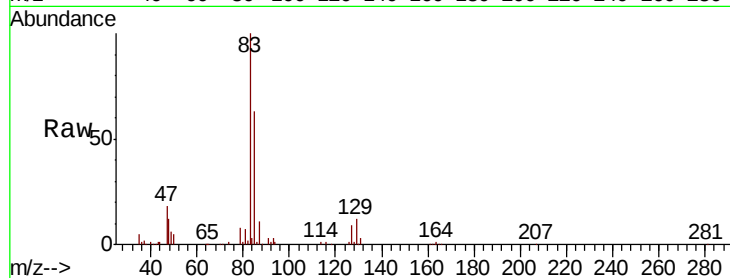
Tot Ion: 83 Resp: 60854

Ion Ratio Lower Upper

83 100

85 63.3 51.9 77.9

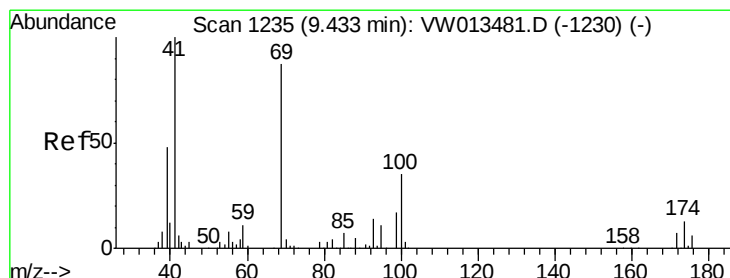
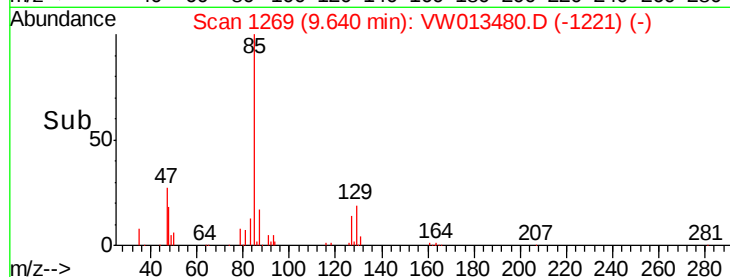
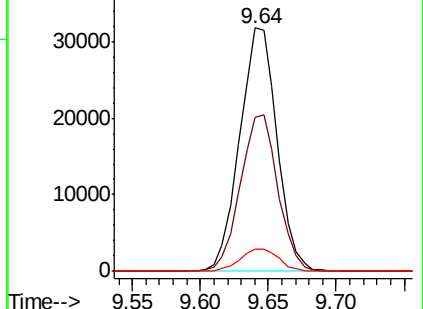
127 9.1 7.4 11.2



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: 22.016 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

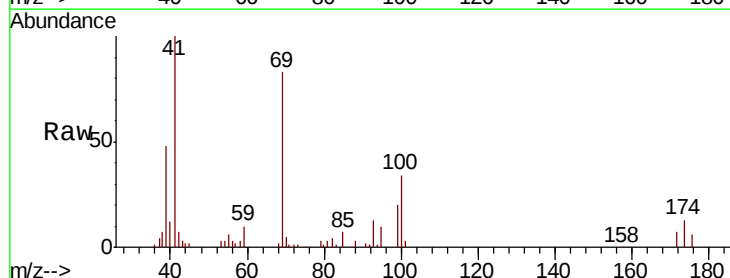
Tgt Ion: 41 Resp: 33305

Ion Ratio Lower Upper

41 100

69 84.6 70.4 105.6

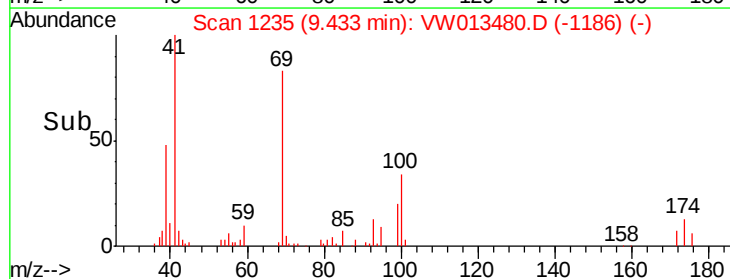
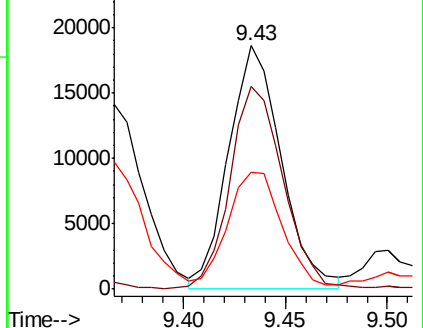
39 46.6 37.3 55.9

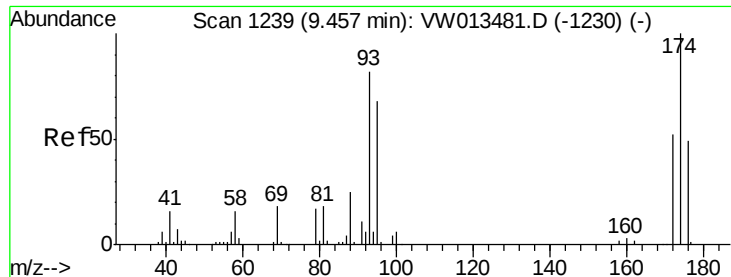


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

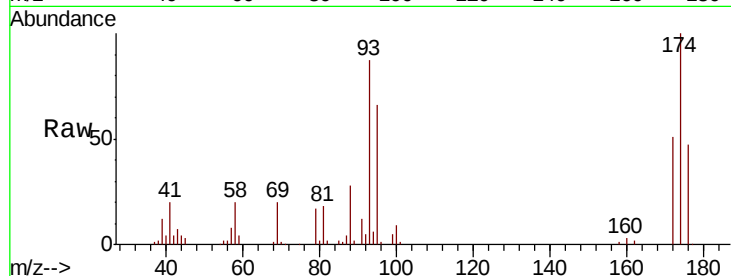




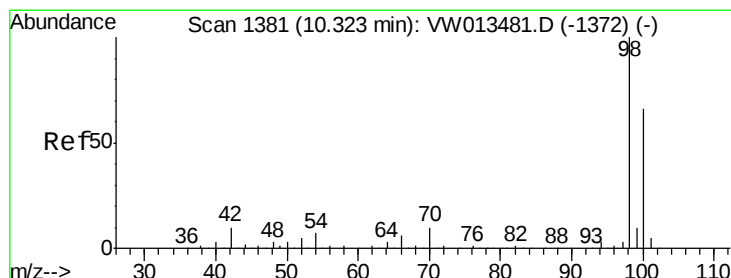
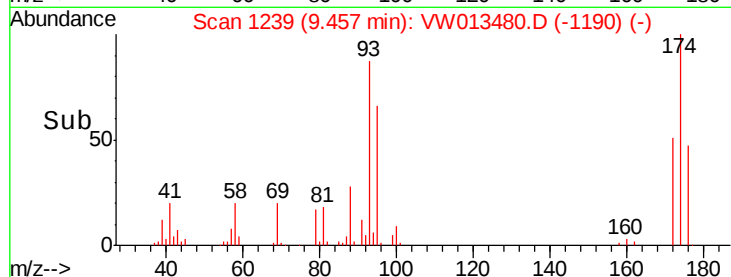
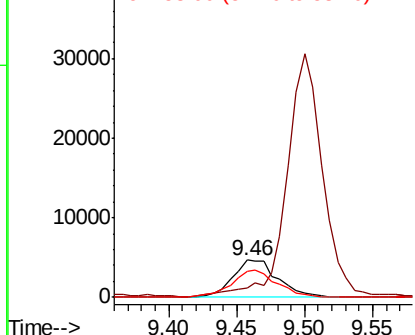
#49
1,4-Dioxane
Concen: 490.028 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 10760
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 75.2 60.0 90.0

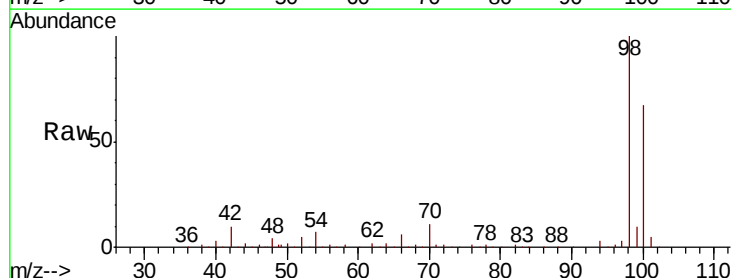


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

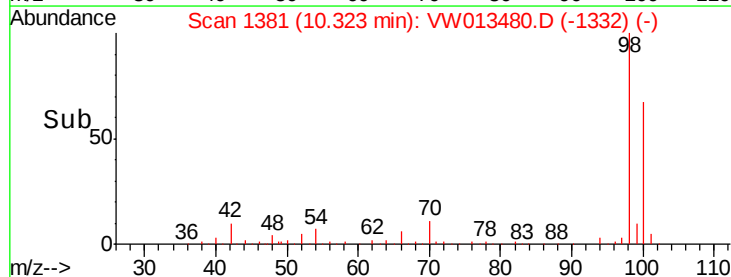
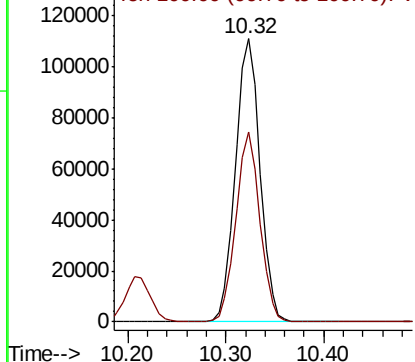


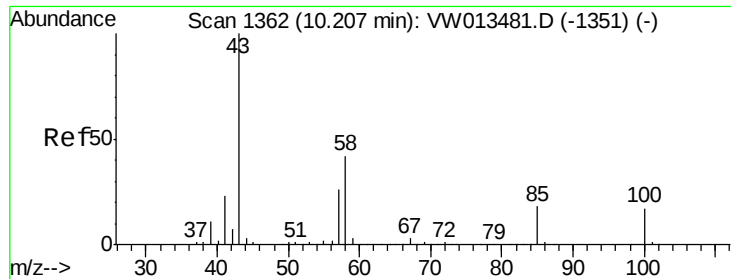
#50
Toluene-d8
Concen: 19.915 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion: 98 Resp: 193586
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8



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: 114.532 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

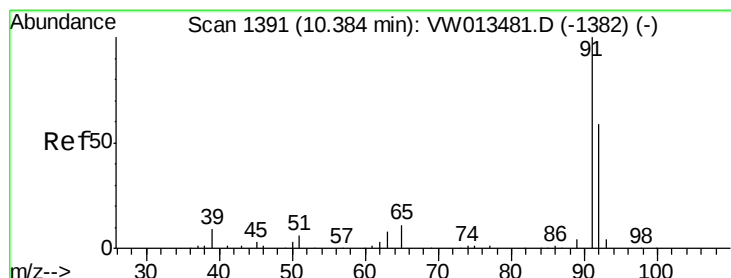
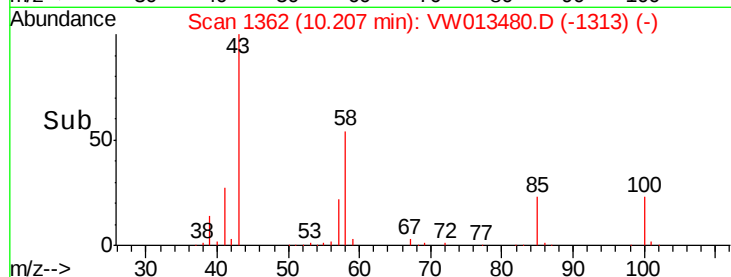
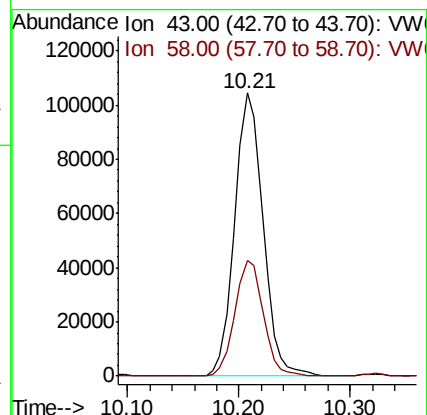
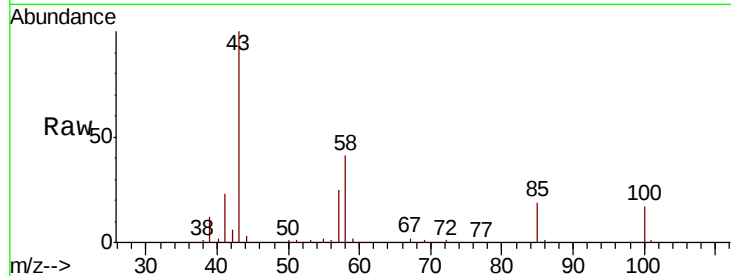
ClientSampleId :

Tot Ion: 43 Resp: 184922

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2



#52

Toluene

Concen: 20.495 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013480.D

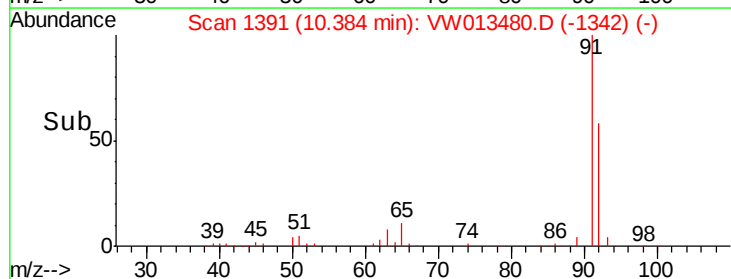
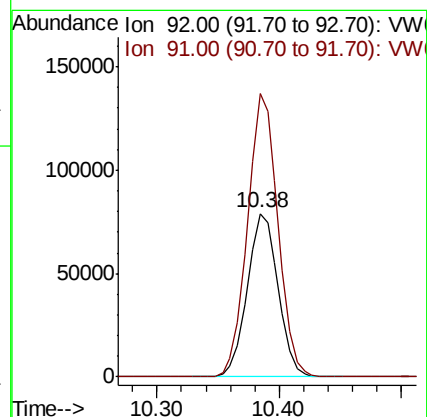
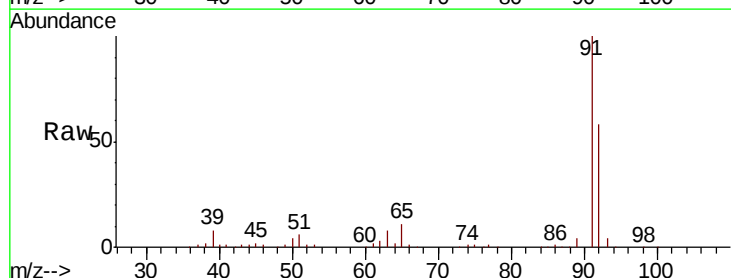
Acq: 08 Oct 2019 11:19

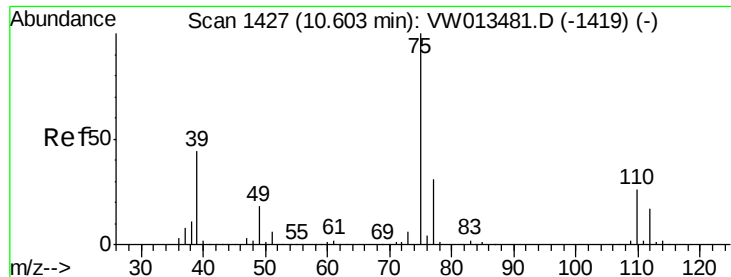
Tgt Ion: 92 Resp: 138068

Ion Ratio Lower Upper

92 100

91 171.6 134.8 202.2





#53

t-1,3-Dichloropropene

Concen: 20.739 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

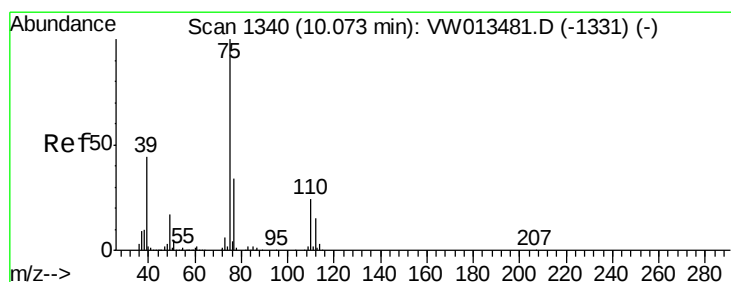
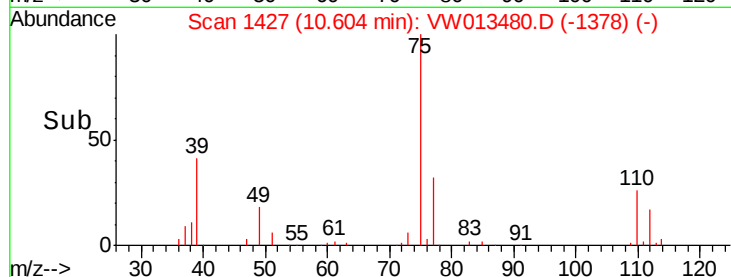
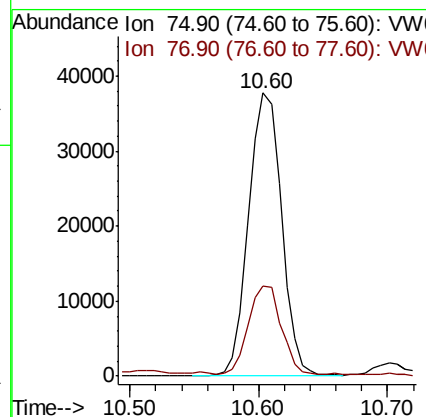
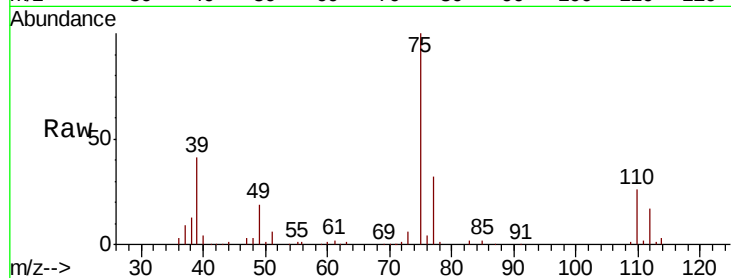
ClientSampleId :

Tot Ion: 75 Resp: 66990

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.351 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

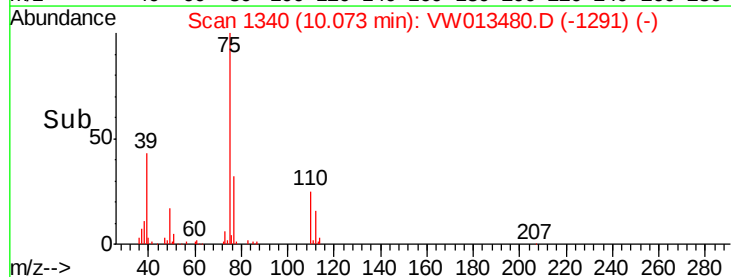
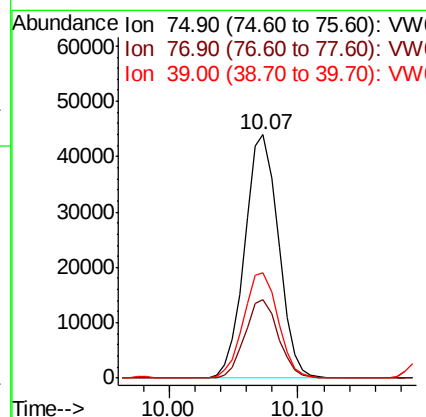
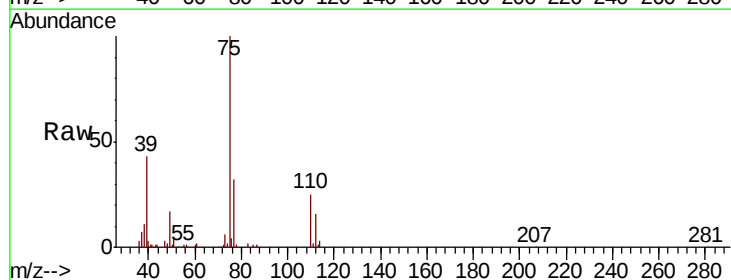
Tgt Ion: 75 Resp: 79639

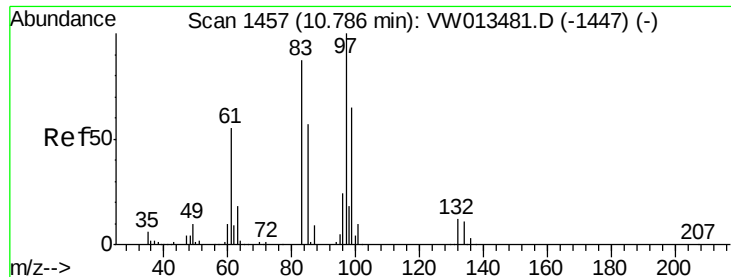
Ion Ratio Lower Upper

75 100

77 32.5 27.0 40.4

39 43.3 35.0 52.4

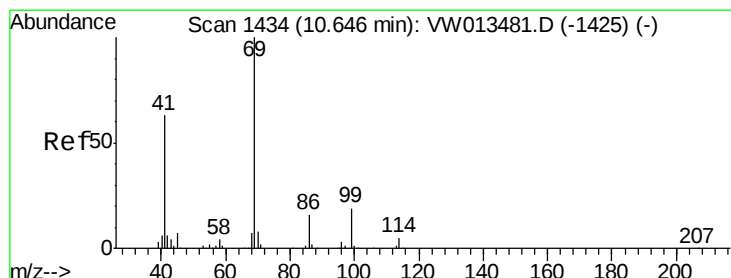
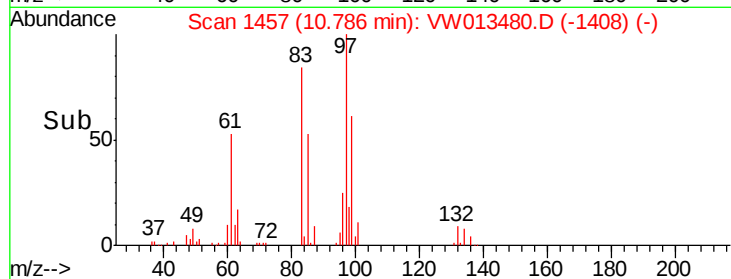
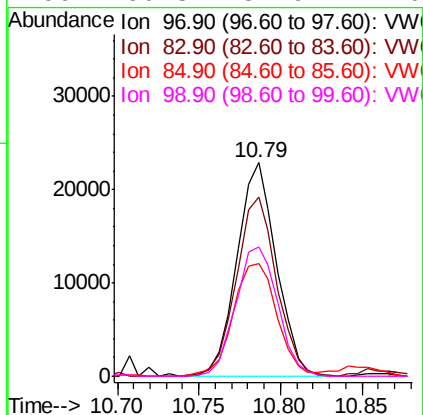
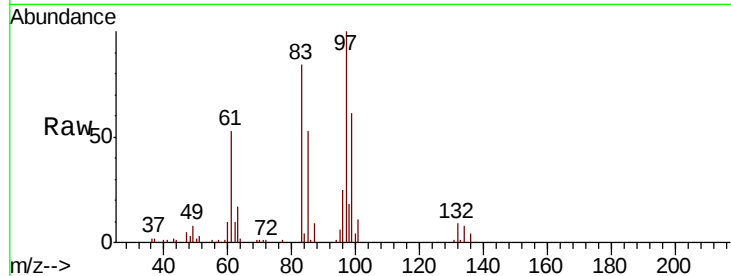




#55
 1,1,2-Trichloroethane
 Concen: 20.514 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

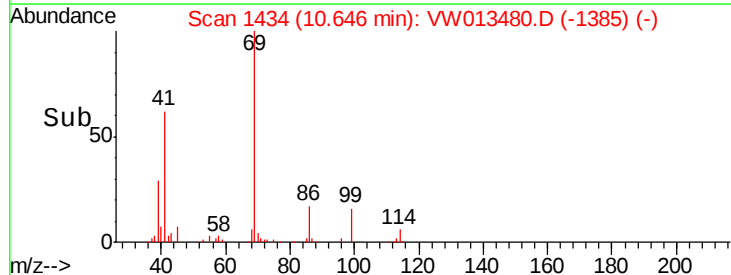
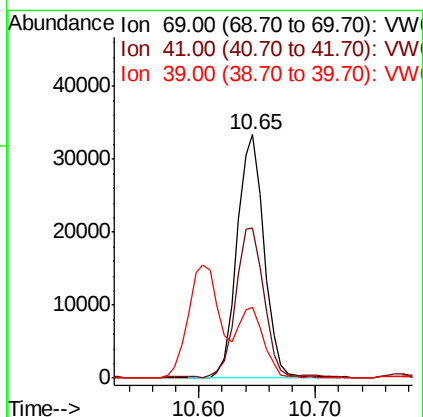
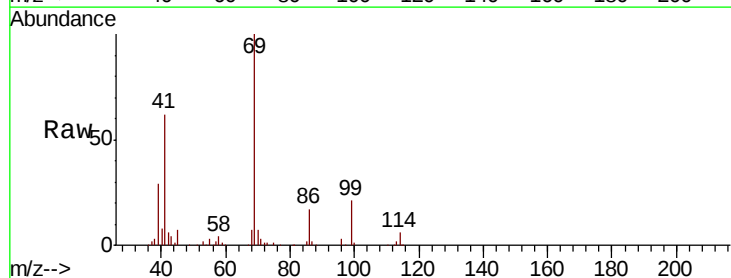
Instrument :
 MSVOA_W
 ClientSampleId :

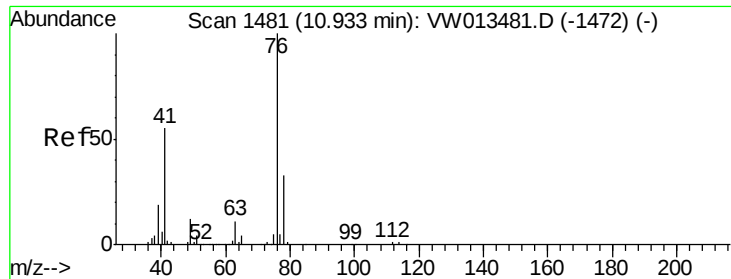
Tot Ion	97	Resp	38506
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.8	104.8
85	52.4	45.4	68.0
99	60.8	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 21.456 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion	69	Resp	54242
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.8	77.6
39	26.3	21.7	32.5

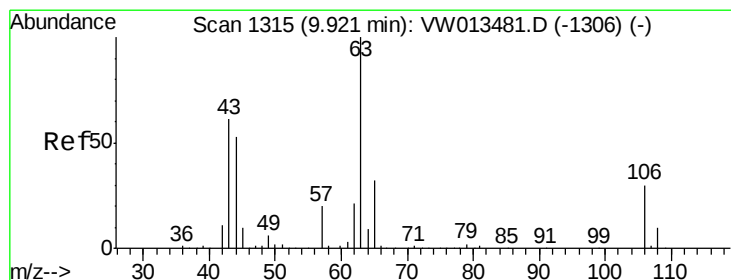
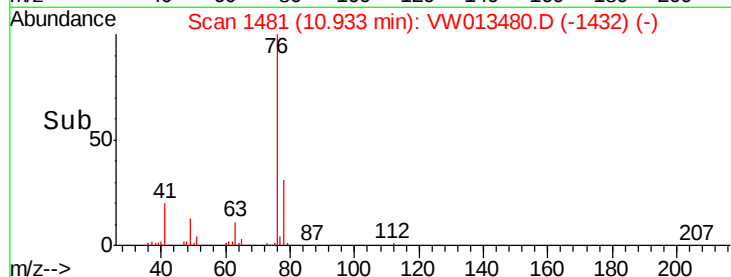
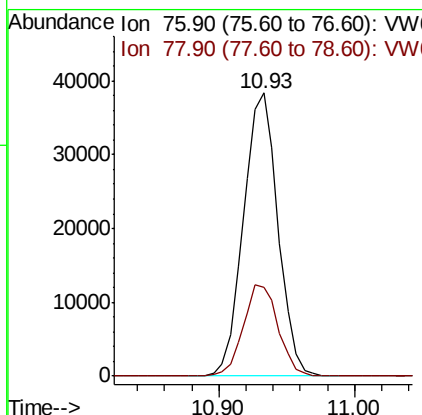
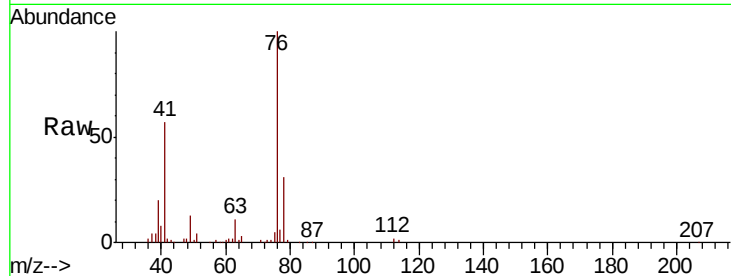




#57
 1,3-Dichloropropane
 Concen: 21.124 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

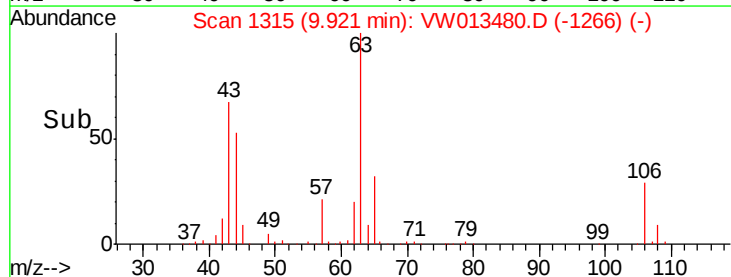
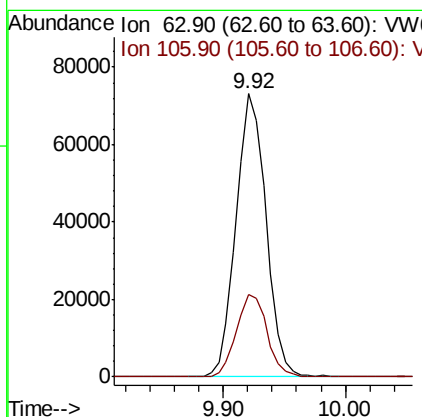
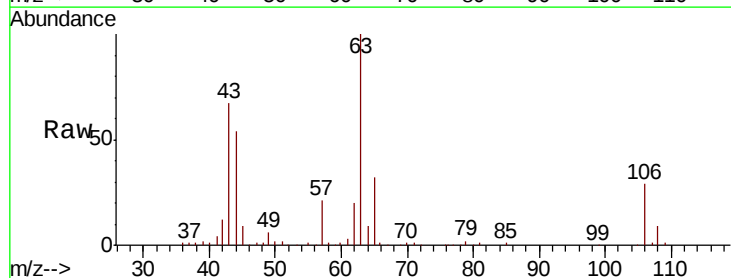
Instrument :
 MSVOA_W
 ClientSampleId :

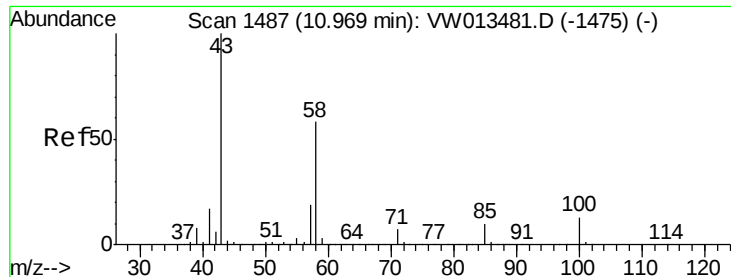
Tot Ion: 76 Resp: 68085
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.227 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion: 63 Resp: 124312
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.5 36.7





#59

2-Hexanone

Concen: 114.895 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

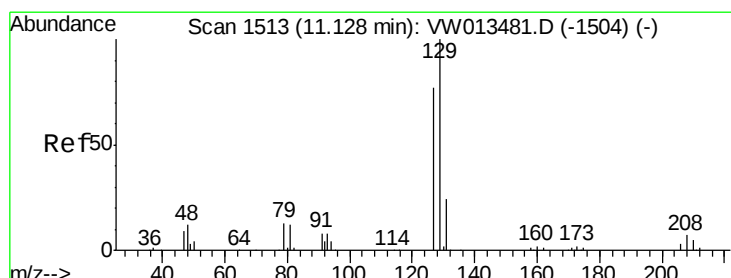
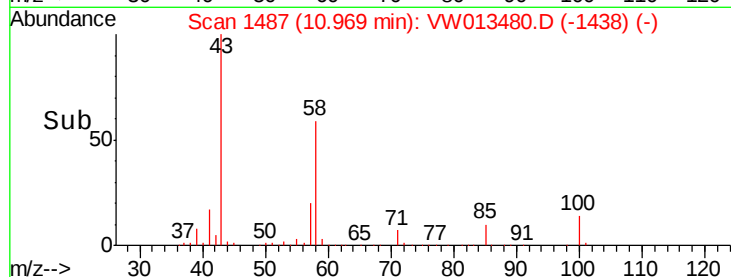
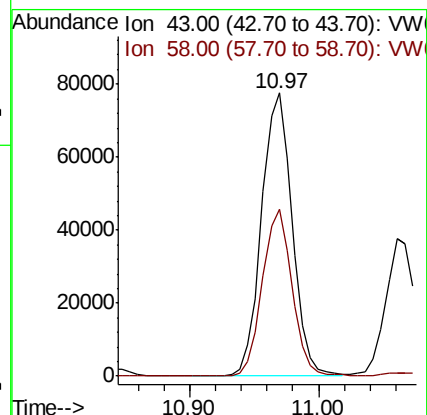
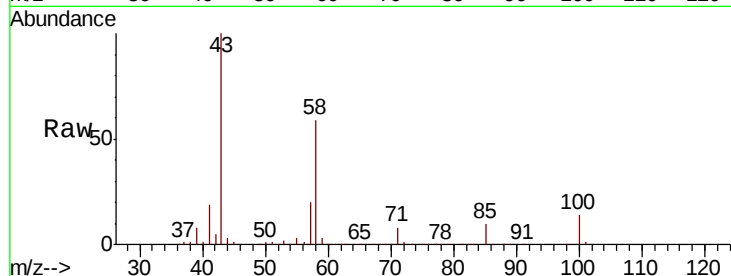
ClientSampleId :

Tot Ion: 43 Resp: 127207

Ion Ratio Lower Upper

43 100

58 57.3 28.4 85.2



#60

Dibromochloromethane

Concen: 20.281 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013480.D

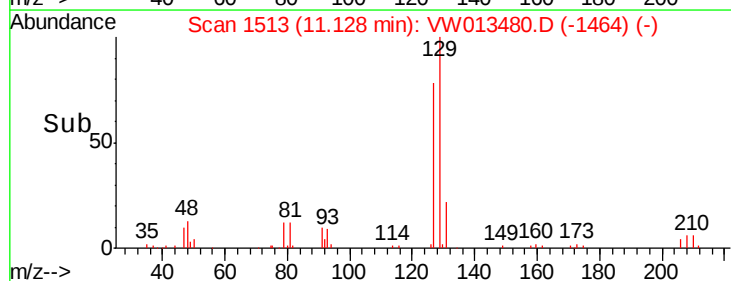
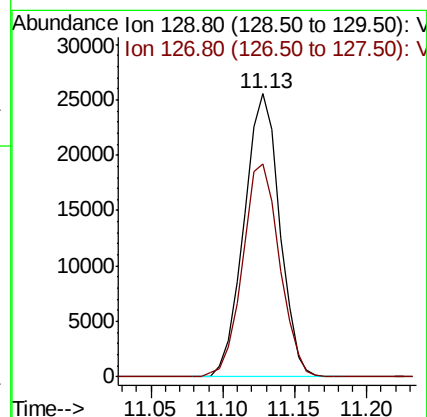
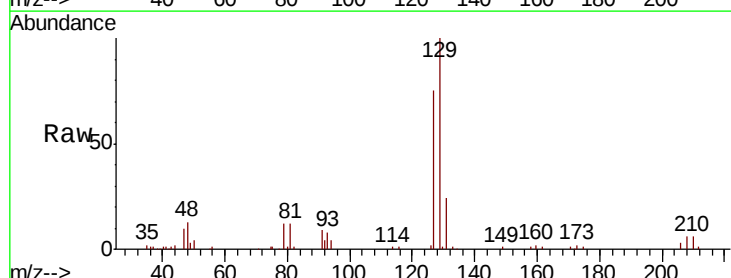
Acq: 08 Oct 2019 11:19

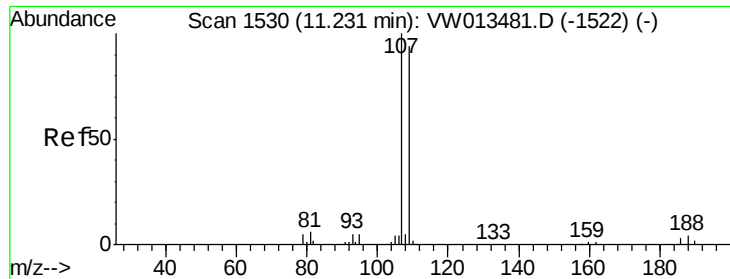
Tgt Ion: 129 Resp: 43778

Ion Ratio Lower Upper

129 100

127 78.0 37.4 112.1

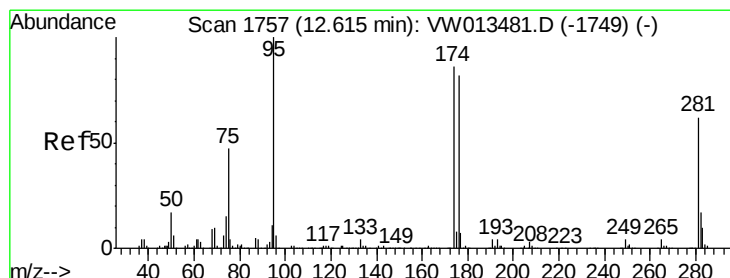
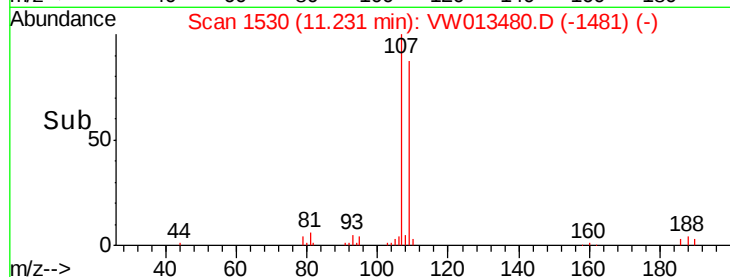
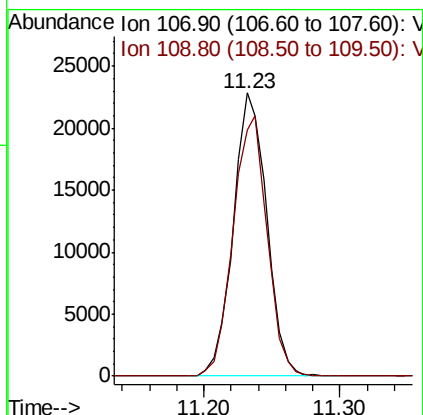
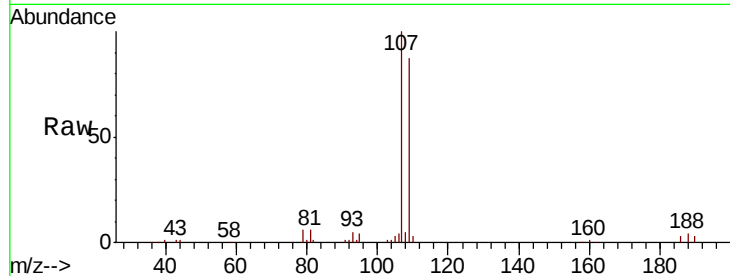




#61
 1,2-Dibromoethane
 Concen: 21.875 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

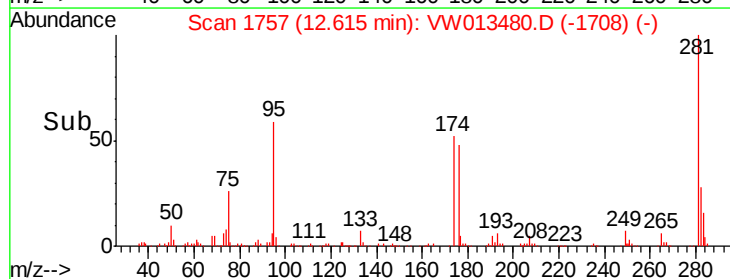
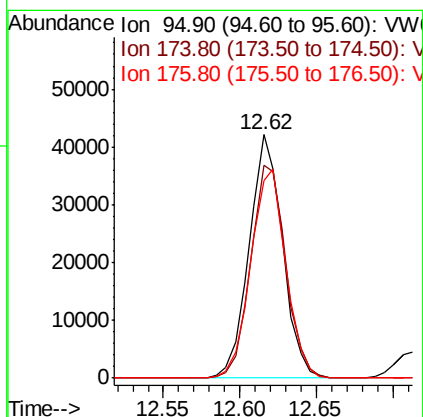
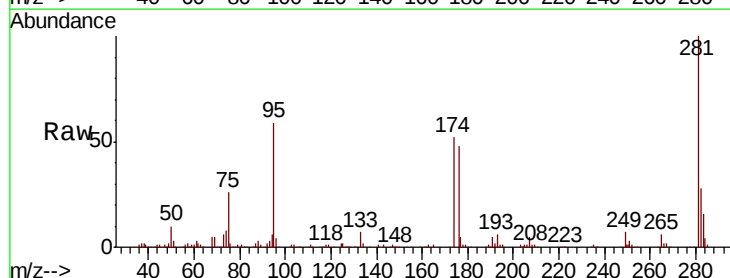
Instrument :
 MSVOA_W
 ClientSampled :

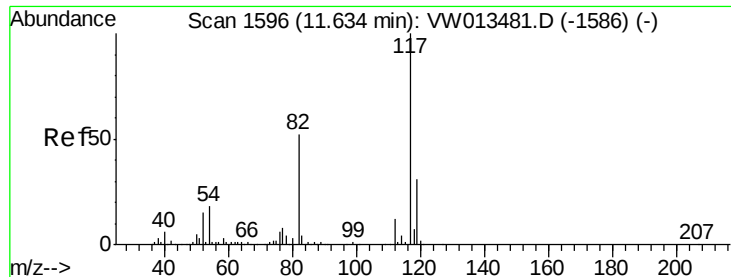
Tot Ion: 107 Resp: 39055
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 19.570 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion: 95 Resp: 63906
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 177.4
 176 90.1 0.0 173.4

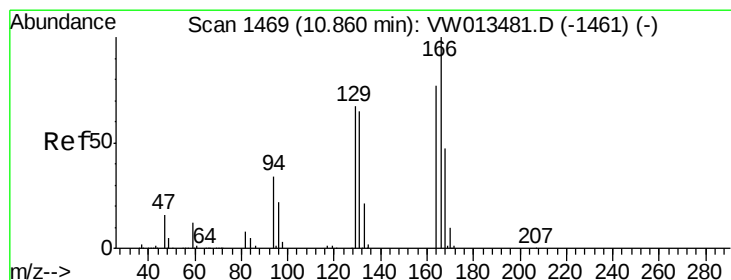
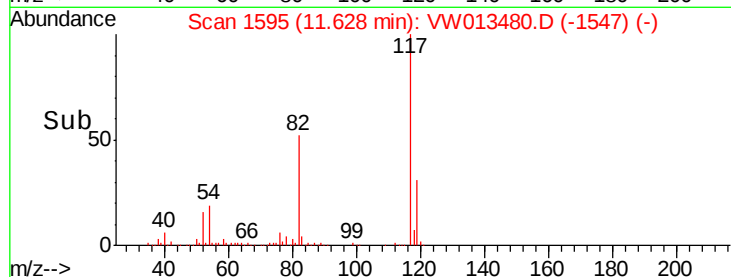
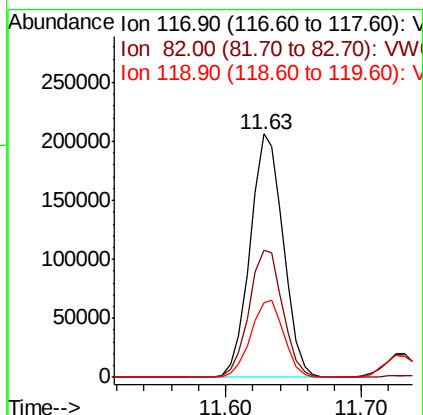
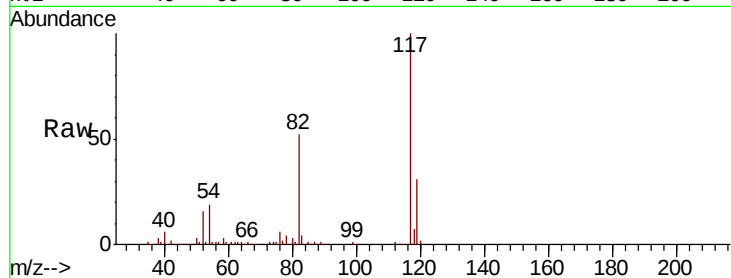




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

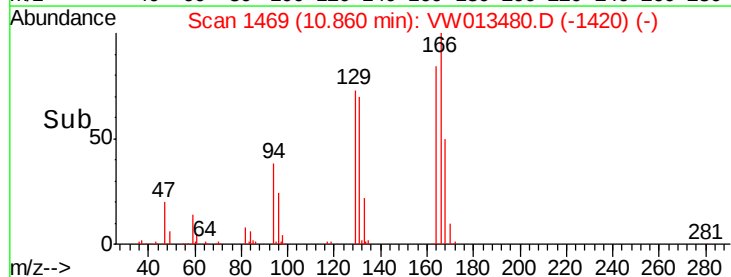
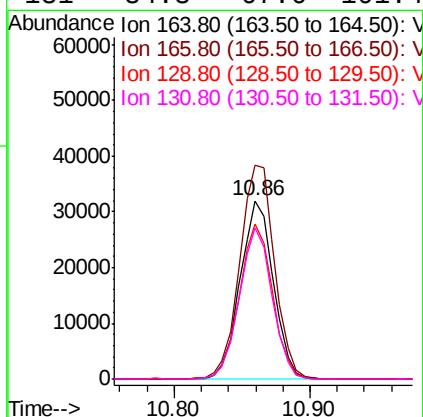
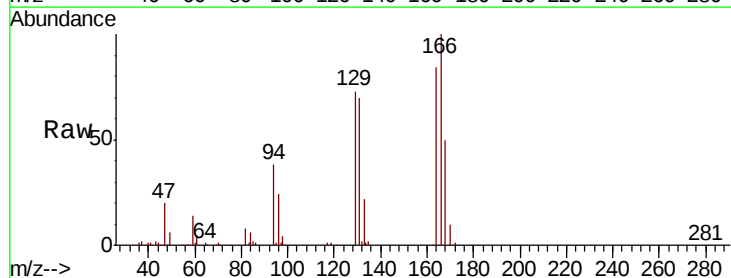
Instrument :
MSVOA_W
ClientSampled :

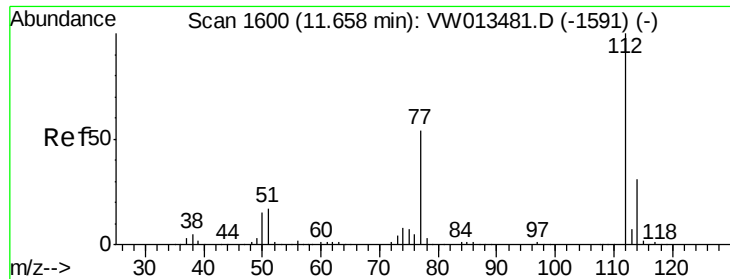
Tot Ion:117 Resp: 351329
Ion Ratio Lower Upper
117 100
82 52.3 41.4 62.2
119 30.8 25.1 37.7



#64
Tetrachloroethene
Concen: 21.040 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion:164 Resp: 54403
Ion Ratio Lower Upper
164 100
166 119.6 104.6 156.8
129 87.0 70.2 105.2
131 84.3 67.6 101.4

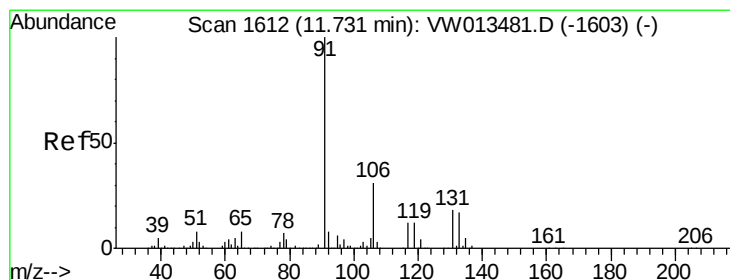
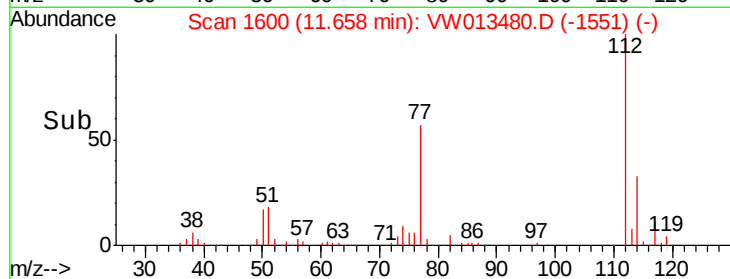
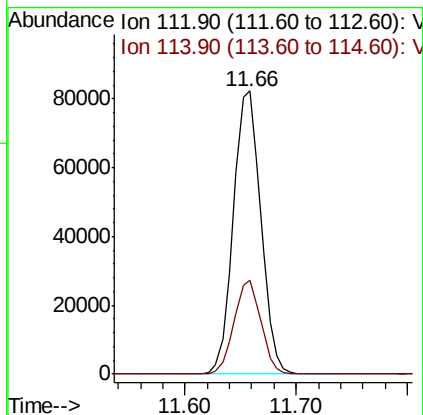
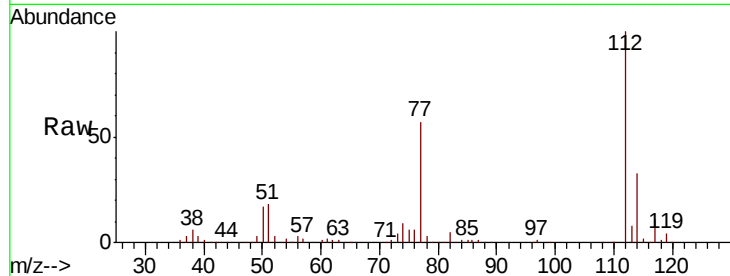




#65
Chlorobenzene
Concen: 20.191 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

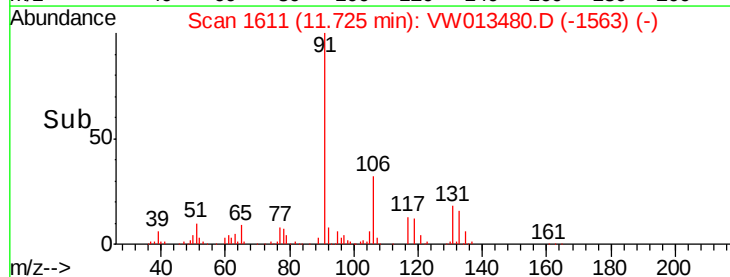
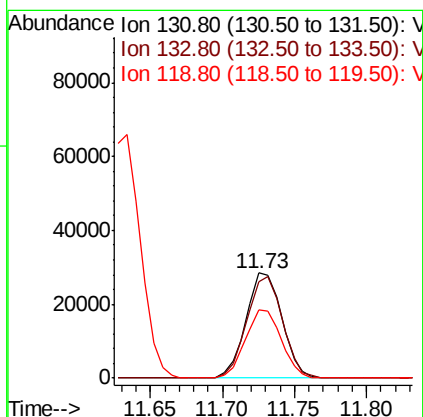
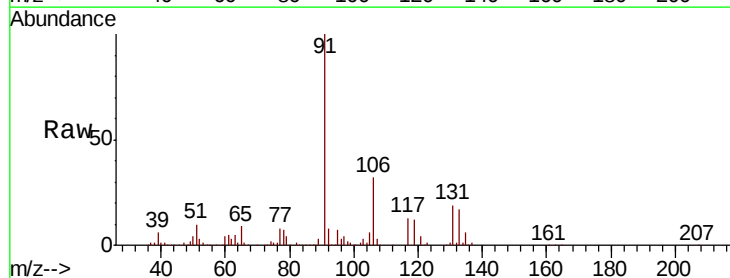
Instrument :
MSVOA_W
ClientSampled :

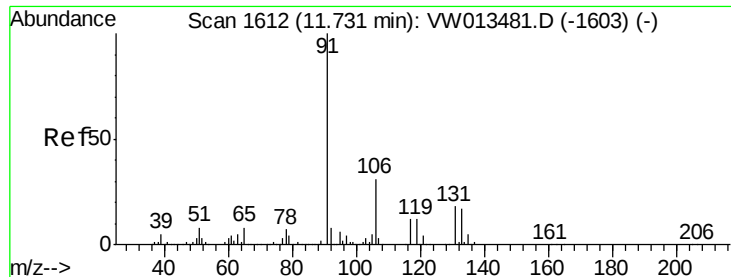
Tot Ion:112 Resp: 140956
Ion Ratio Lower Upper
112 100
114 33.1 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.363 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion:131 Resp: 49379
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.0 32.6 98.0





#67

Ethyl Benzene

Concen: 20.425 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

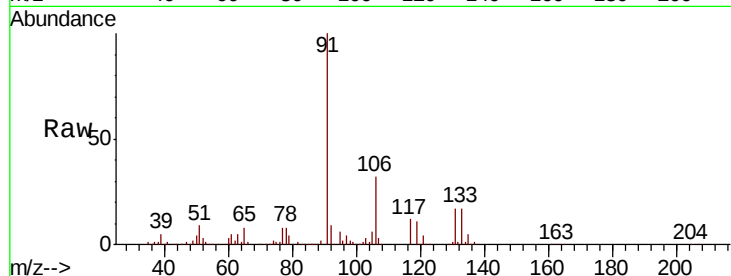
ClientSampled :

Tot Ion: 91 Resp: 260614

Ion Ratio Lower Upper

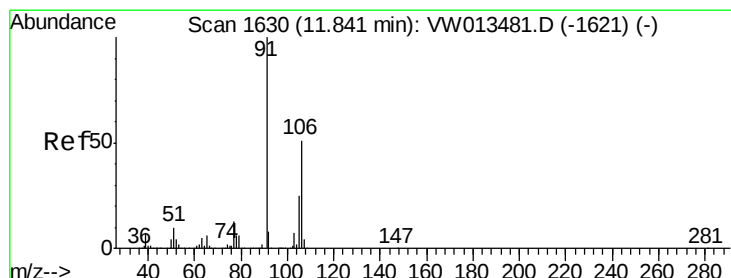
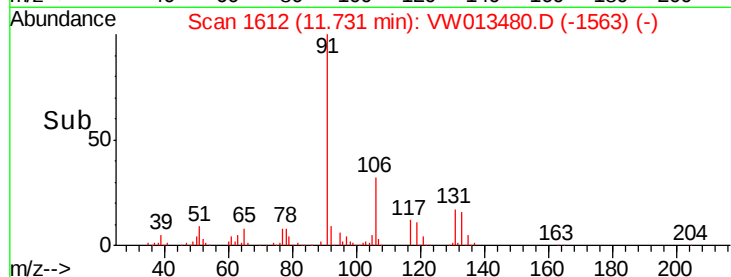
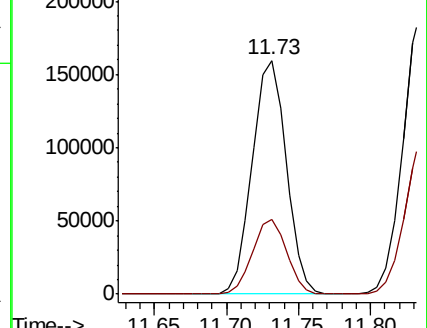
91 100

106 32.0 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.093 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013480.D

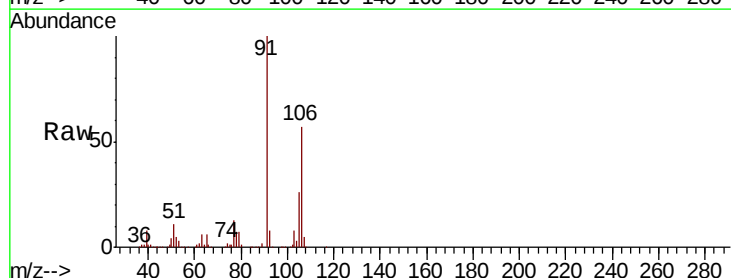
Acq: 08 Oct 2019 11:19

Tgt Ion: 106 Resp: 199500

Ion Ratio Lower Upper

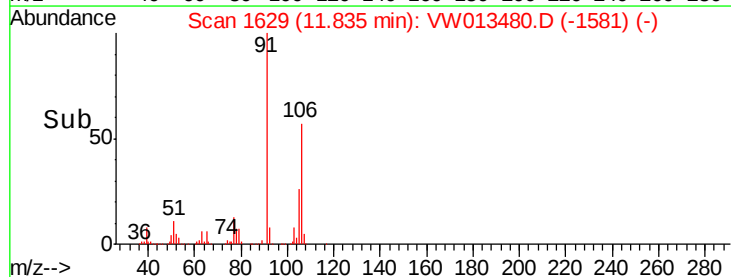
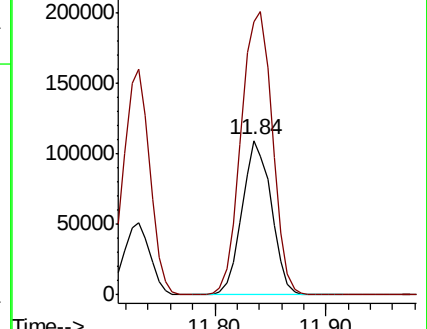
106 100

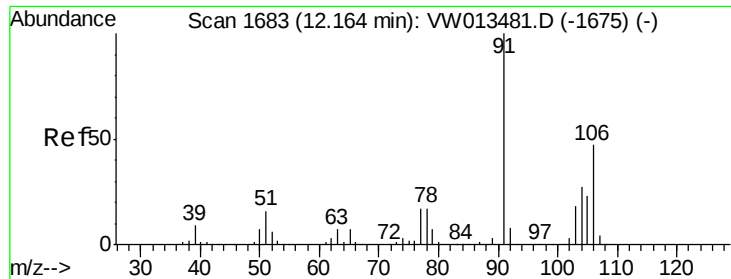
91 195.9 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

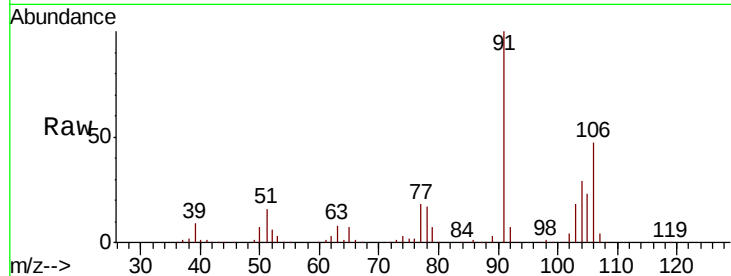




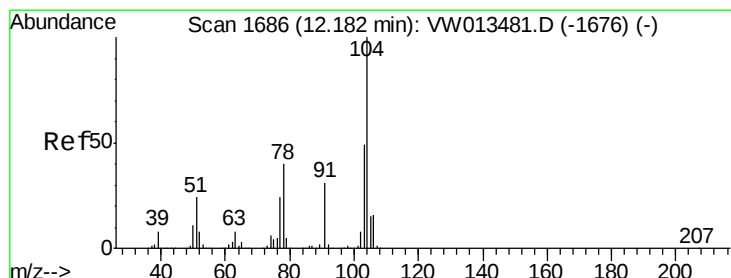
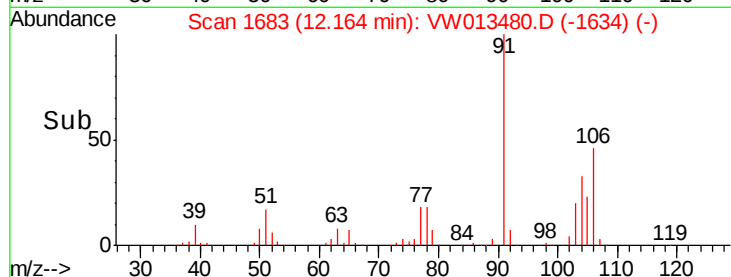
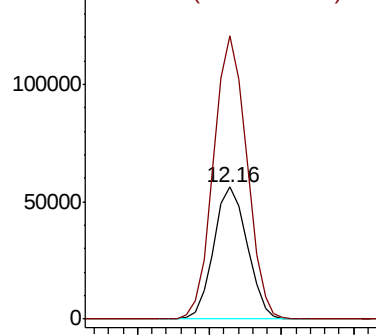
#69
o-Xylene
Concen: 20.405 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 91525
Ion Ratio Lower Upper
106 100
91 211.4 105.0 315.0

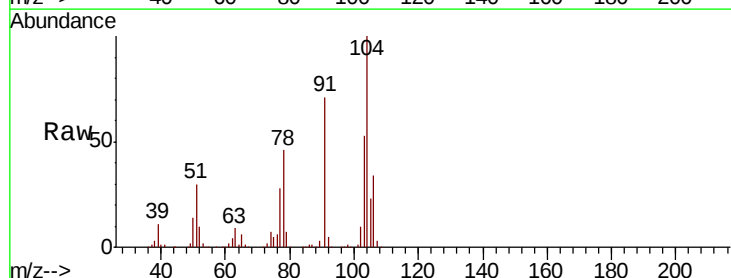


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

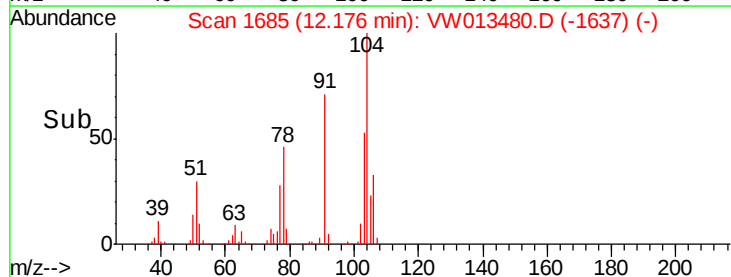
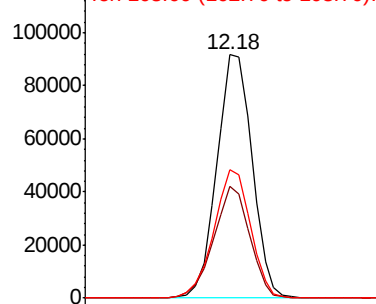


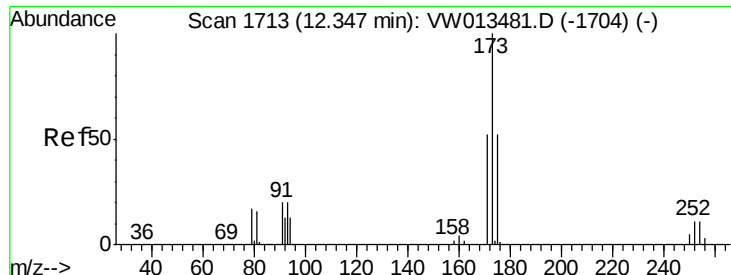
#70
Styrene
Concen: 20.187 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion:104 Resp: 155468
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 54.7 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

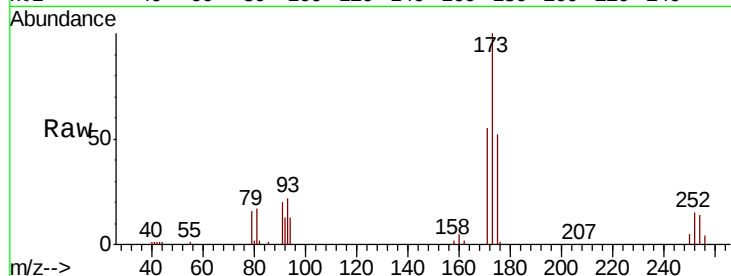




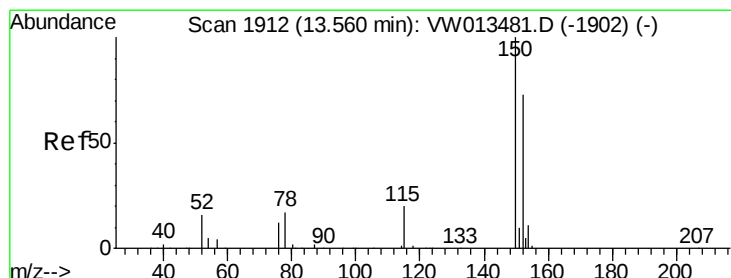
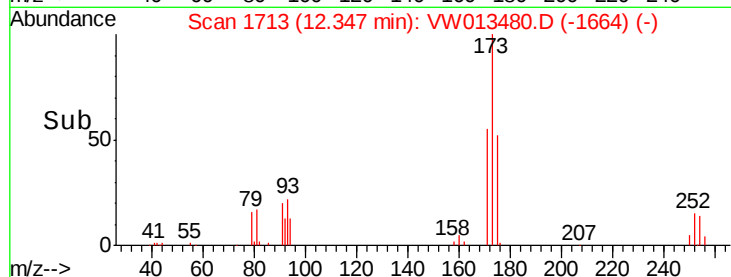
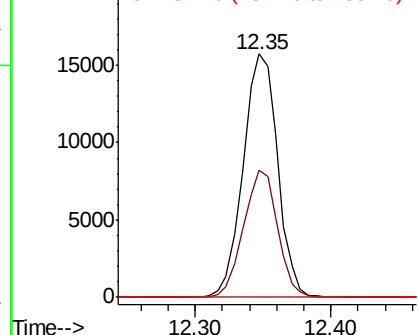
#71
Bromoform
Concen: 20.967 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 27896
Ion Ratio Lower Upper
173 100
175 51.5 24.4 73.4
254 0.0 0.1 0.1#

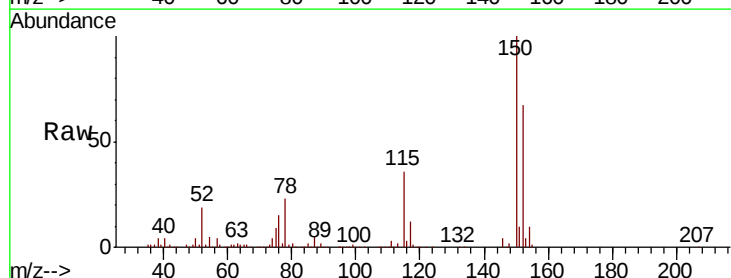


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

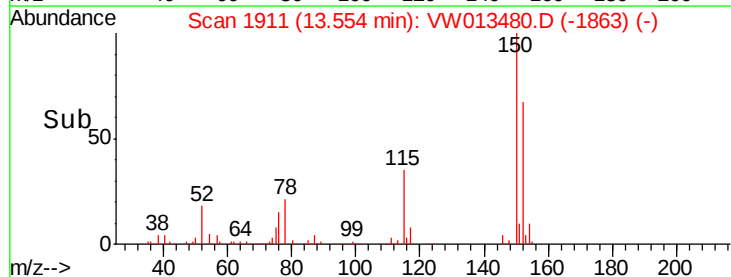
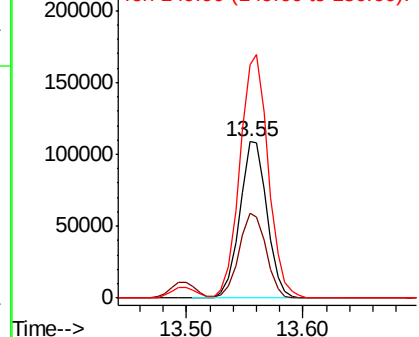


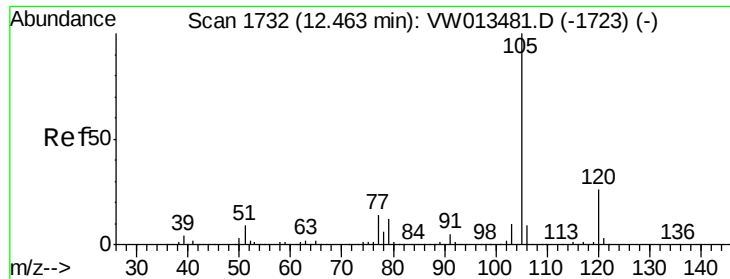
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion:152 Resp: 176945
Ion Ratio Lower Upper
152 100
115 54.2 27.0 81.0
150 162.7 0.0 337.4



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: 20.330 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

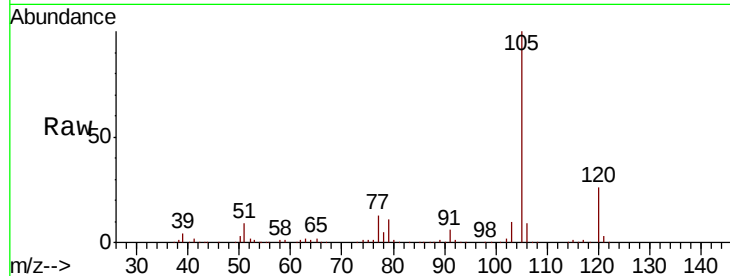
ClientSampleId :

Tot Ion:105 Resp: 257671

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

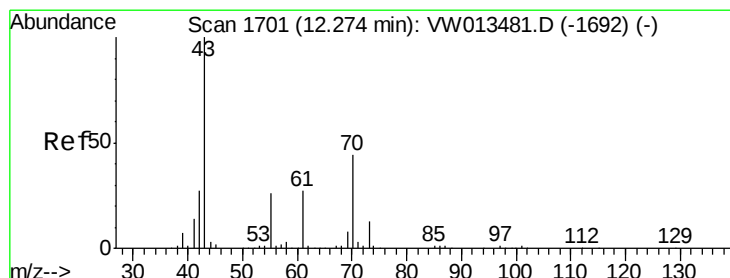
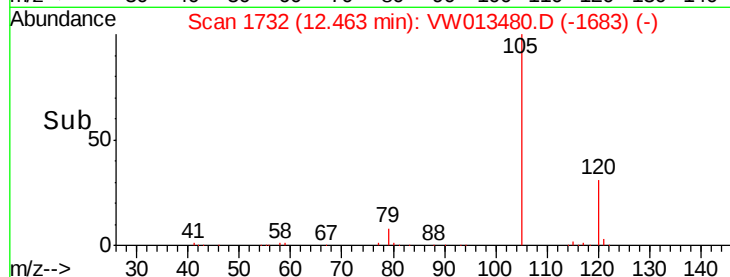
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.582 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Tgt Ion: 43 Resp: 59825

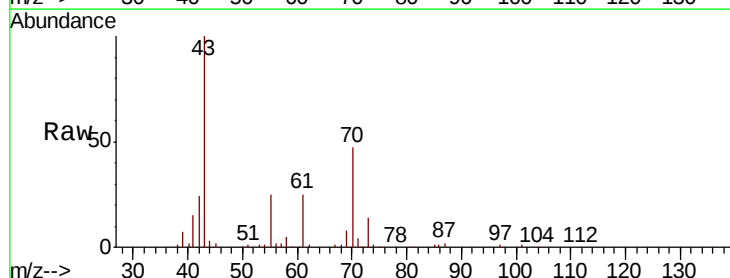
Ion Ratio Lower Upper

43 100

70 44.5 35.3 52.9

55 26.3 20.0 30.0

61 25.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

30000

20000

10000

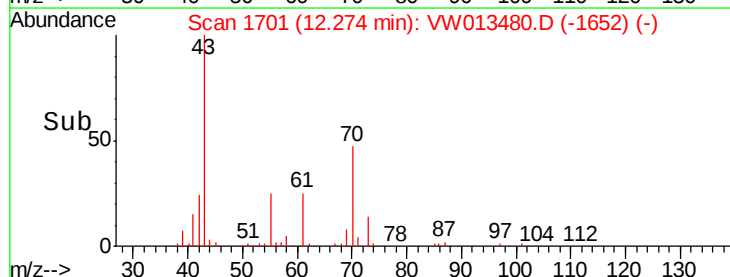
0

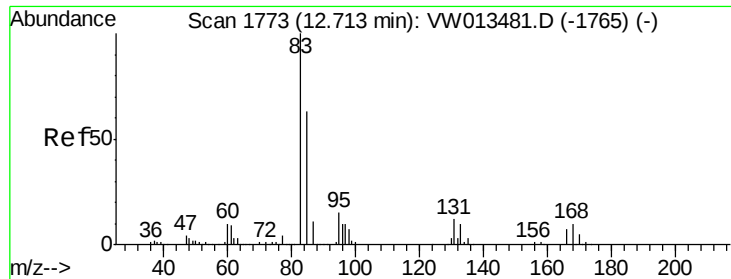
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.946 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

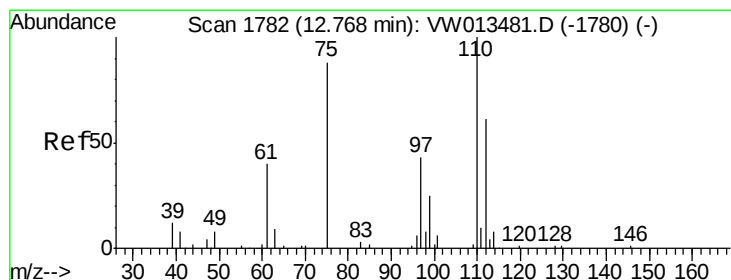
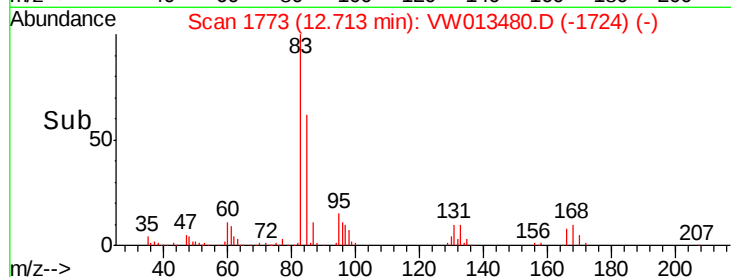
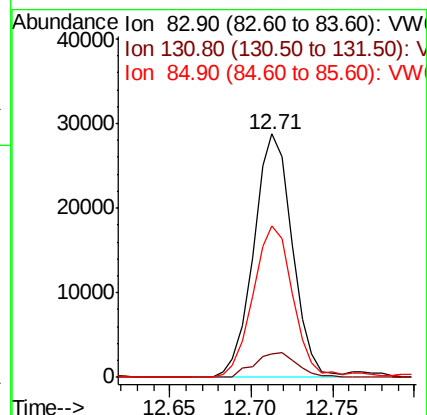
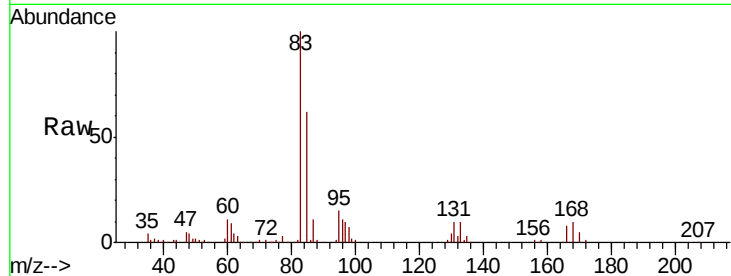
Tot Ion: 83 Resp: 47411

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.7

85 65.6 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 41.477 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013480.D

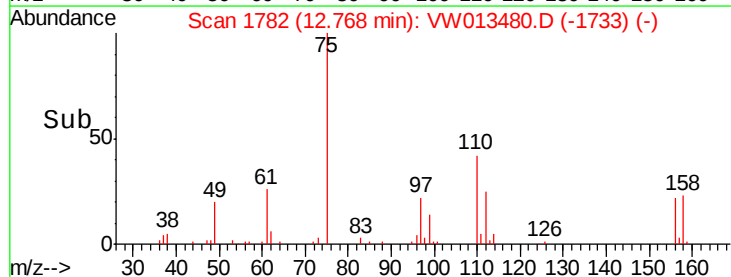
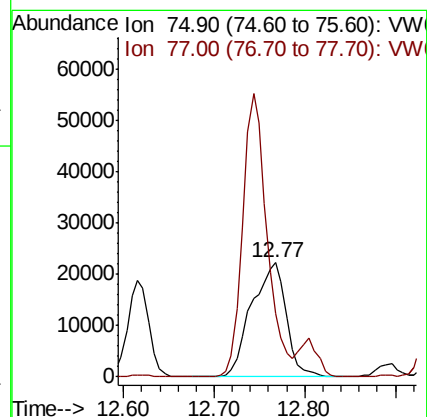
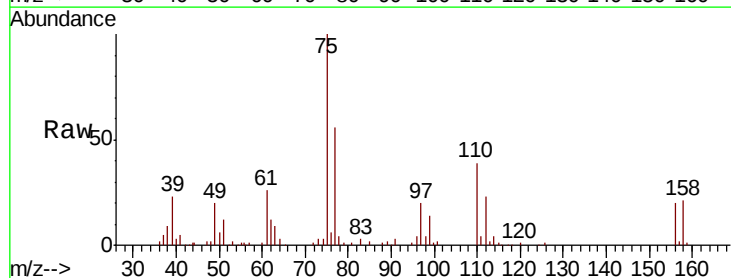
Acq: 08 Oct 2019 11:19

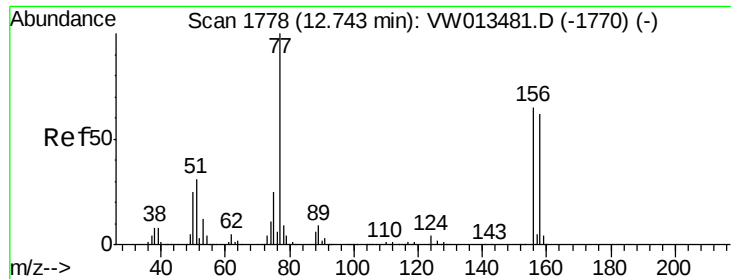
Tgt Ion: 75 Resp: 58945

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.102 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

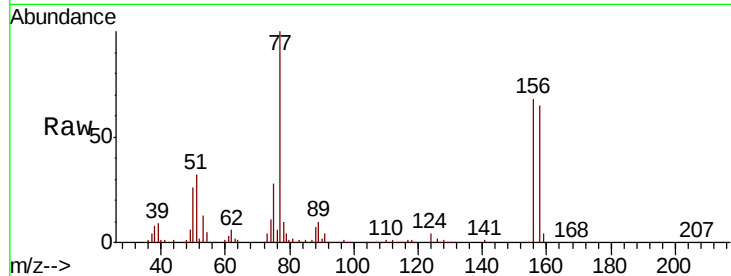
Tot Ion:156 Resp: 60392

Ion Ratio Lower Upper

156 100

77 171.3 83.7 251.0

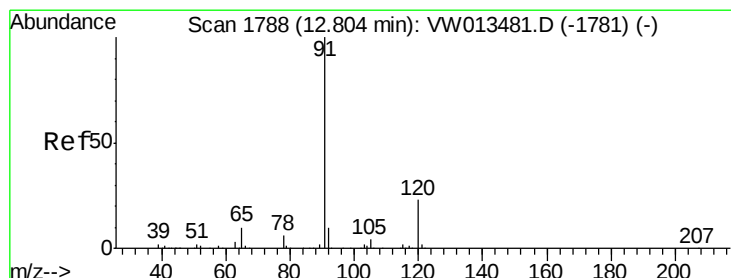
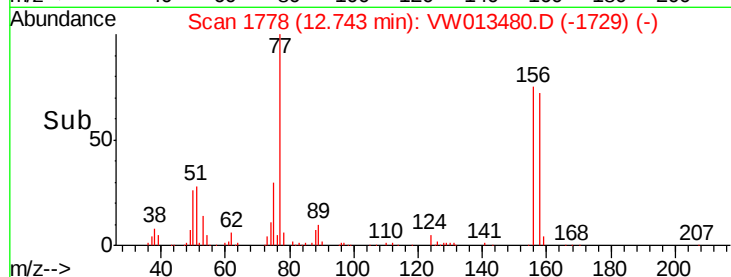
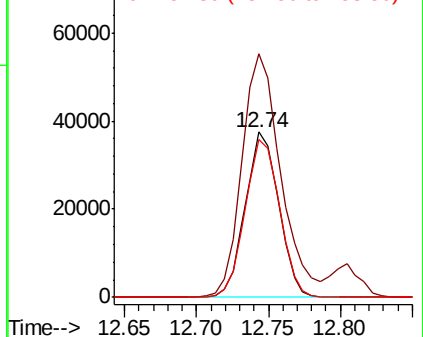
158 98.2 49.0 147.0



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: 20.354 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013480.D

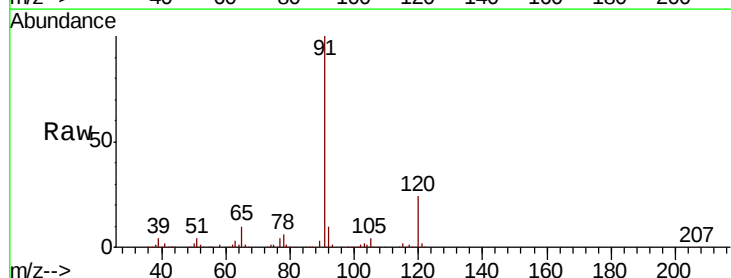
Acq: 08 Oct 2019 11:19

Tgt Ion: 91 Resp: 298314

Ion Ratio Lower Upper

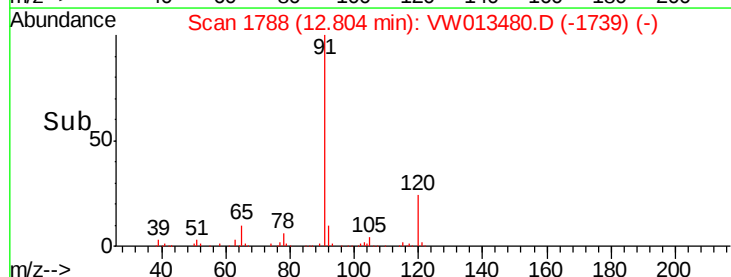
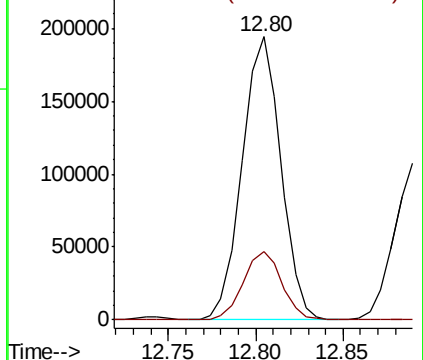
91 100

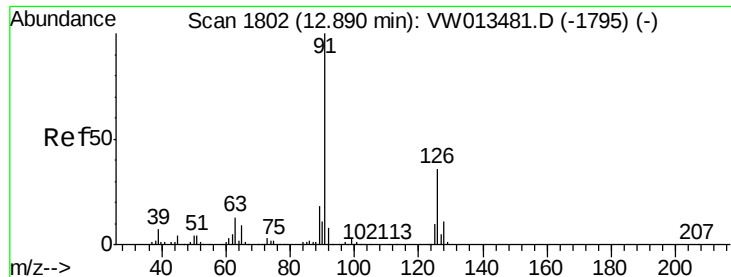
120 24.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.242 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

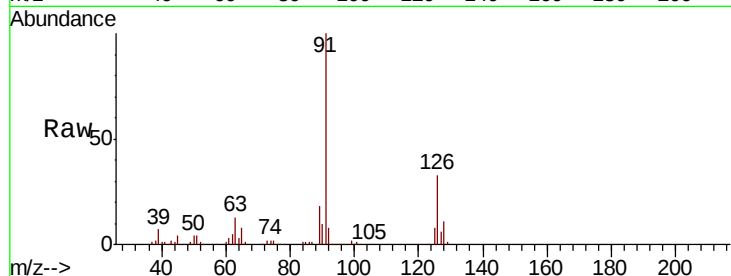
ClientSampleId :

Tot Ion: 91 Resp: 166218

Ion Ratio Lower Upper

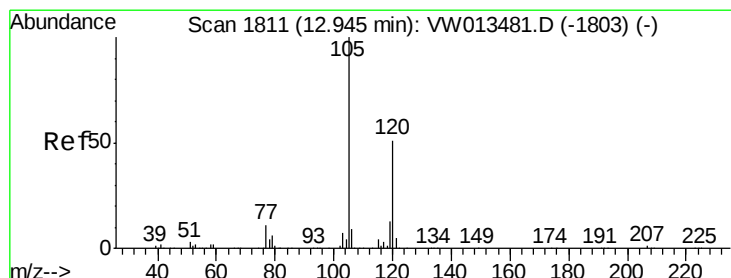
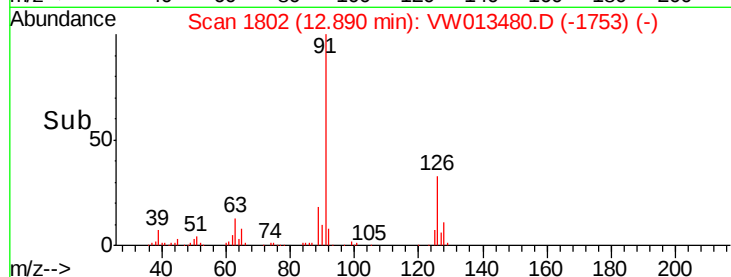
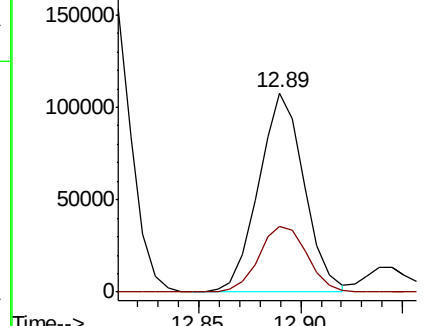
91 100

126 35.3 17.8 53.4



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: 20.422 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013480.D

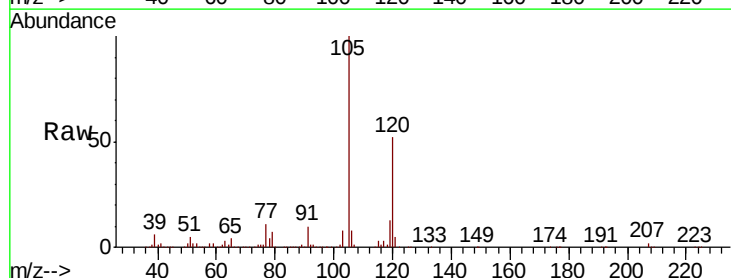
Acq: 08 Oct 2019 11:19

Tgt Ion: 105 Resp: 215064

Ion Ratio Lower Upper

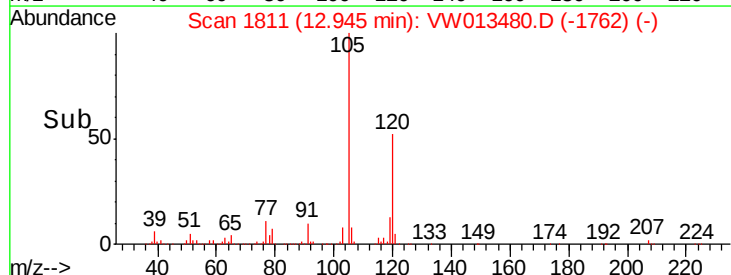
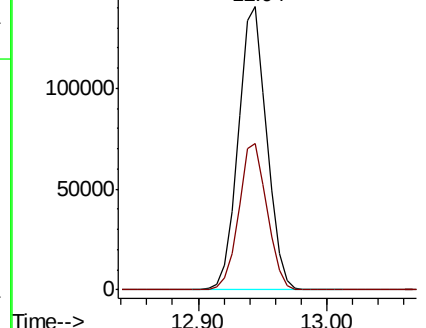
105 100

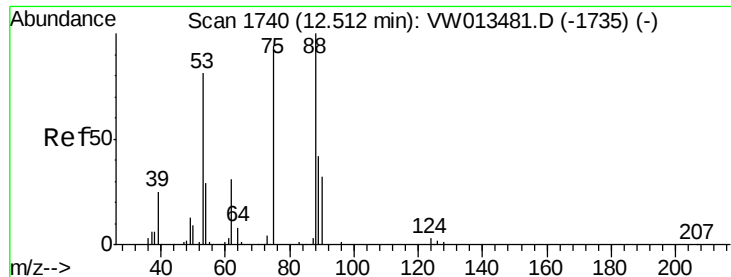
120 51.1 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

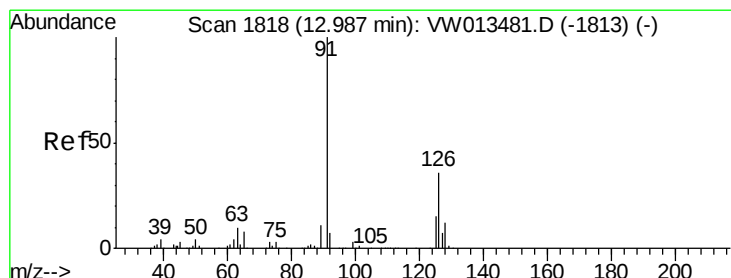
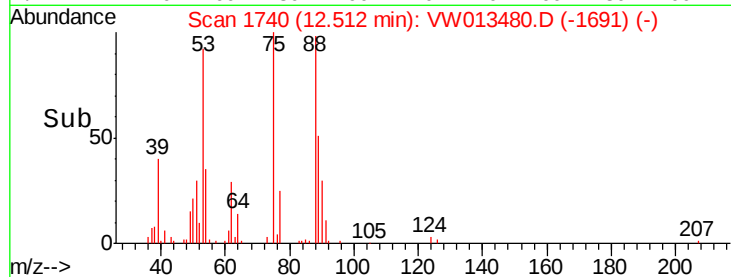
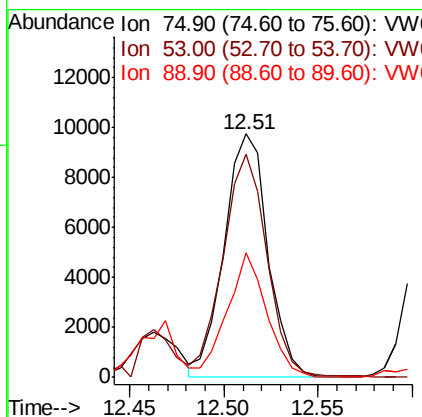
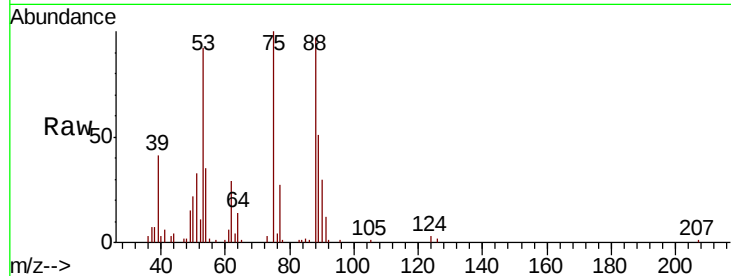




#81
trans-1,4-Dichloro-2-butene
Concen: 21.737 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

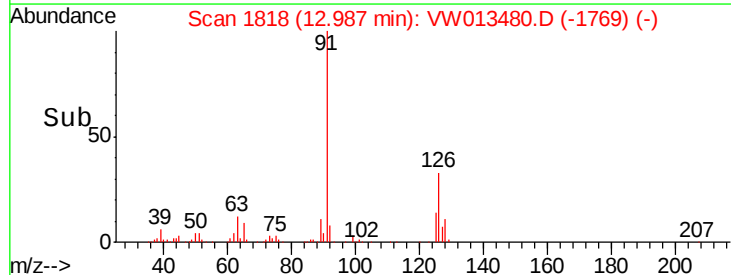
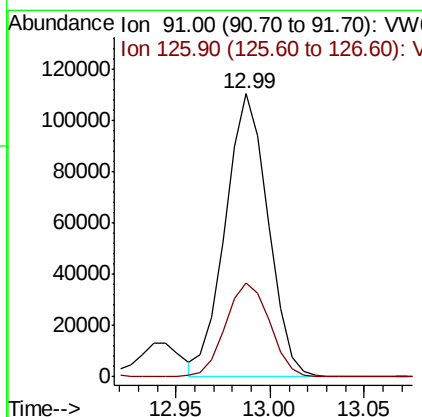
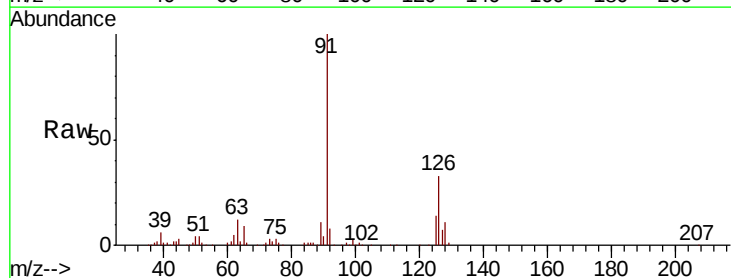
Instrument :
MSVOA_W
ClientSampleId :

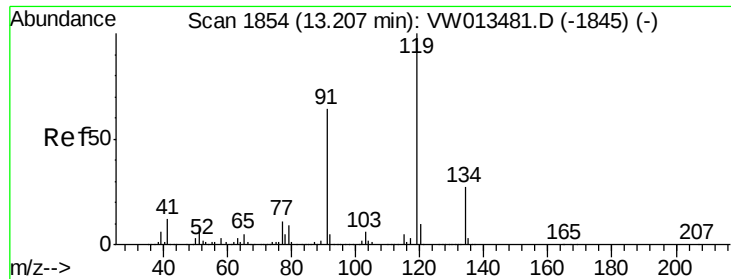
Tot Ion: 75 Resp: 15671
Ion Ratio Lower Upper
75 100
53 92.5 71.0 106.6
89 46.5 36.1 54.1



#82
4-Chlorotoluene
Concen: 20.267 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion: 91 Resp: 172730
Ion Ratio Lower Upper
91 100
126 34.5 17.5 52.6

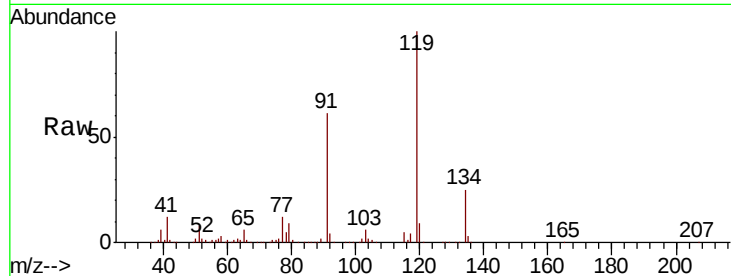




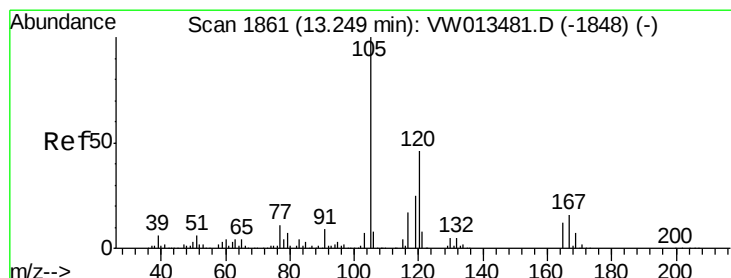
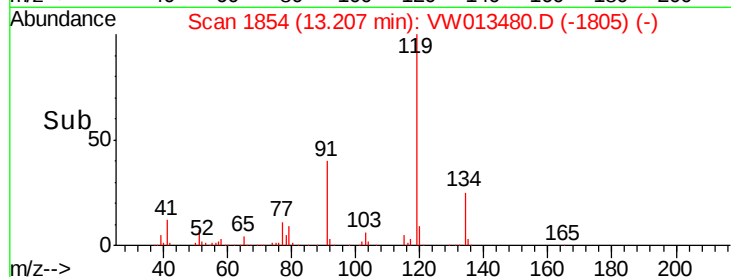
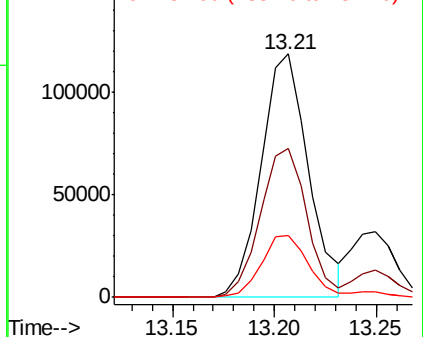
#83
tert-Butylbenzene
Concen: 20.610 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 192754
Ion Ratio Lower Upper
119 100
91 60.1 30.6 91.6
134 25.6 13.8 41.3

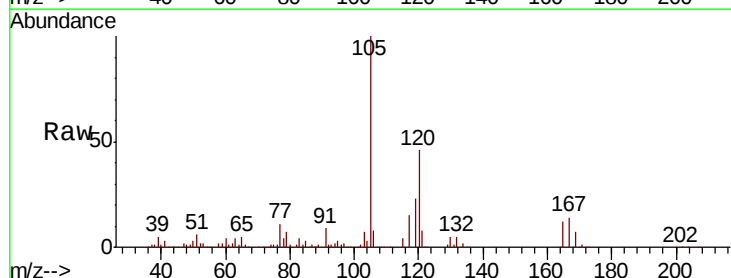


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

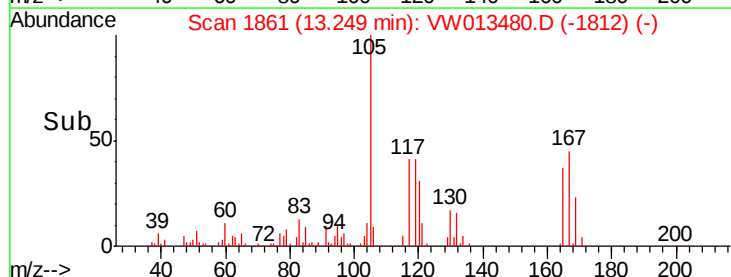
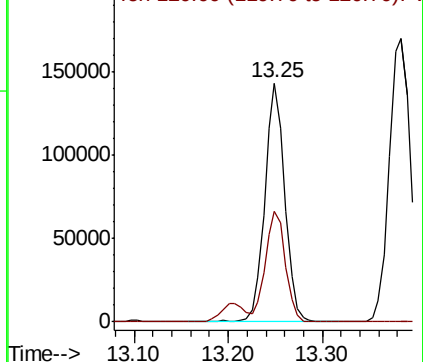


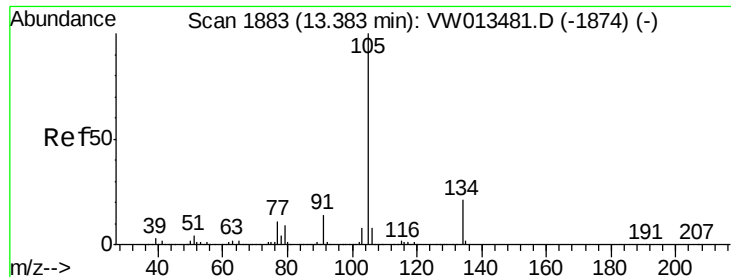
#84
1,2,4-Trimethylbenzene
Concen: 20.555 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion:105 Resp: 214091
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 20.728 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

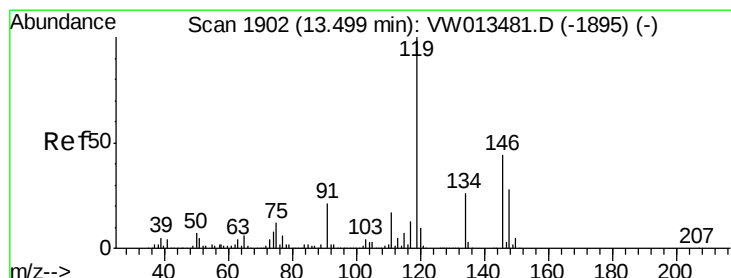
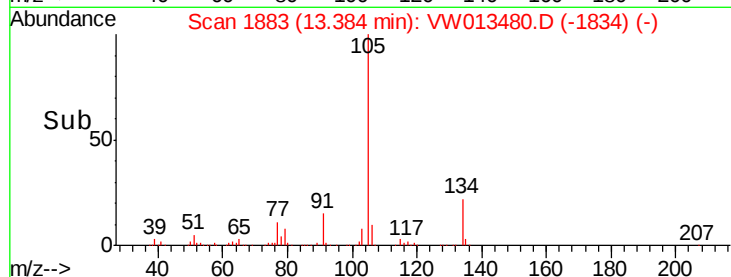
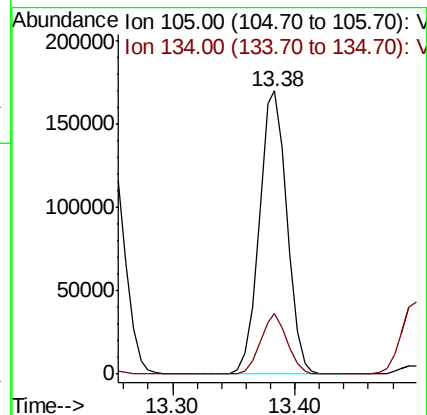
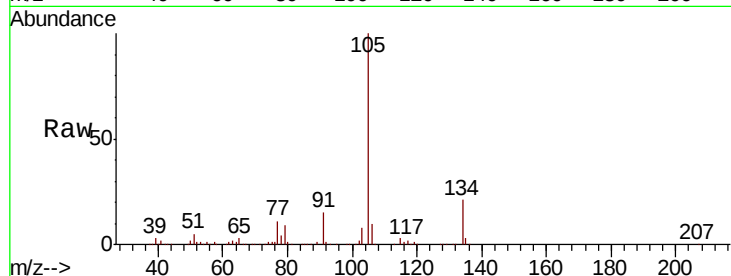
ClientSampleId :

Tot Ion:105 Resp: 267866

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.4



#86

p-Isopropyltoluene

Concen: 20.609 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

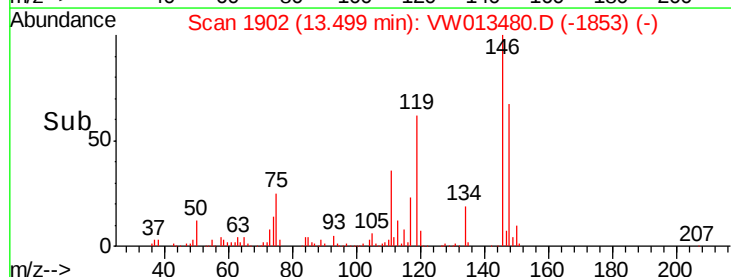
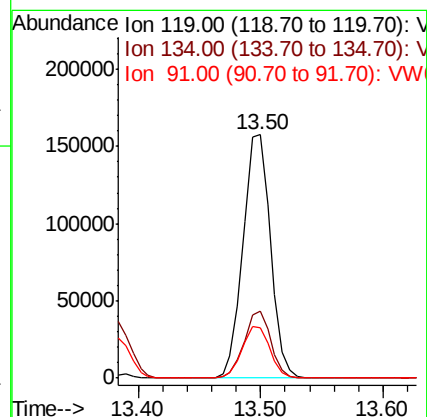
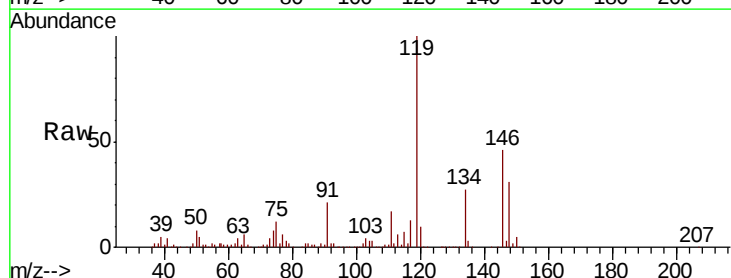
Tgt Ion:119 Resp: 244688

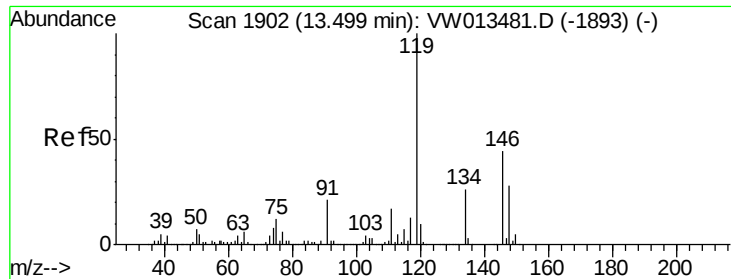
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

91 21.5 10.8 32.3

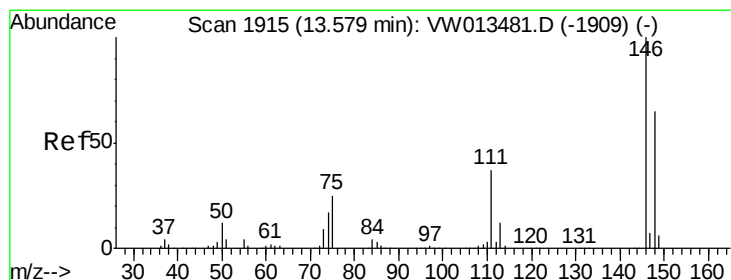
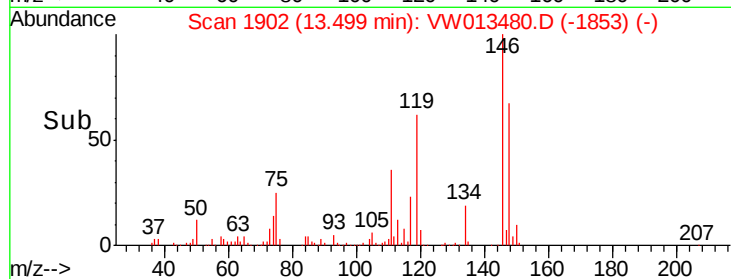
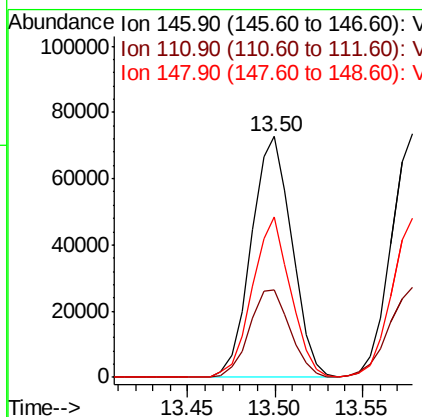
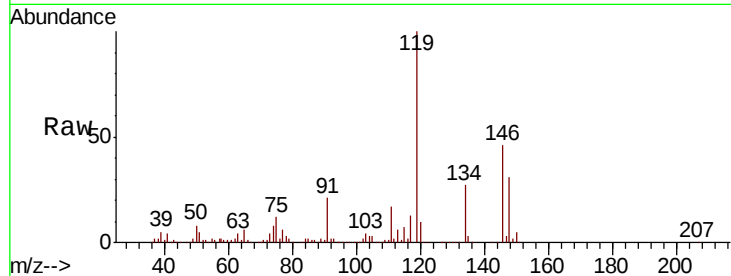




#87
 1,3-Dichlorobenzene
 Concen: 20.567 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

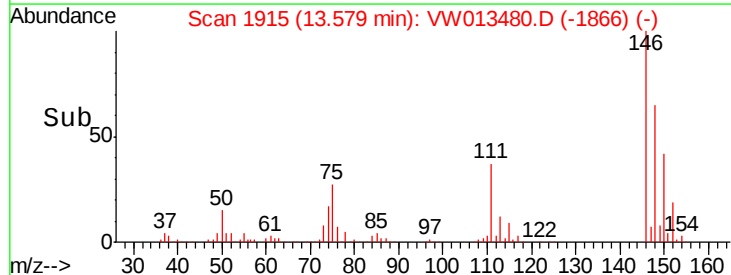
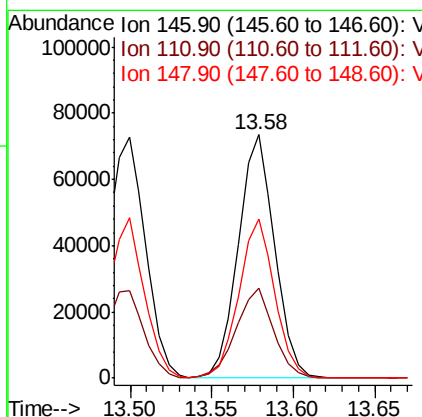
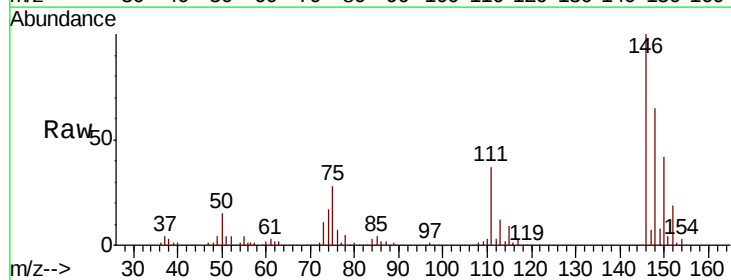
Instrument :
 MSVOA_W
 ClientSampled :

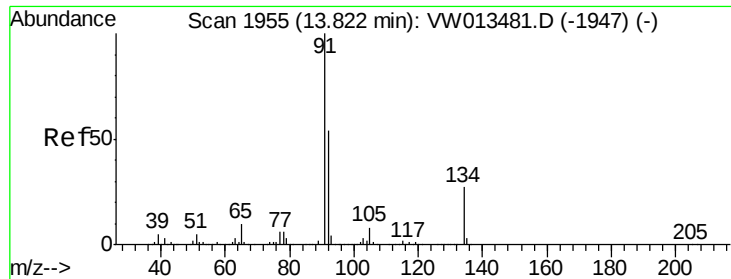
Tot Ion:146 Resp: 117164
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.7 56.1
 148 63.0 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.397 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion:146 Resp: 113826
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.4 55.4
 148 64.6 32.0 96.2





#89

n-Butylbenzene

Concen: 20.427 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

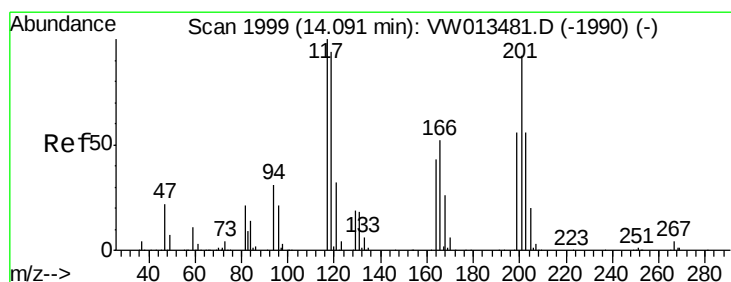
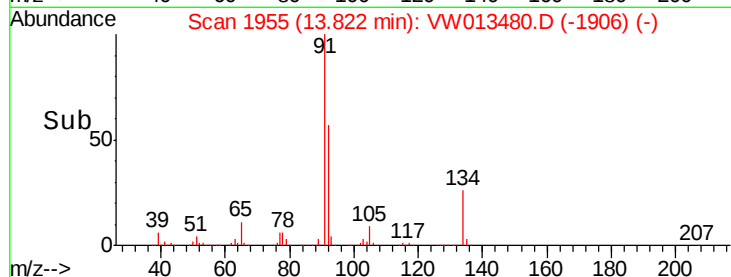
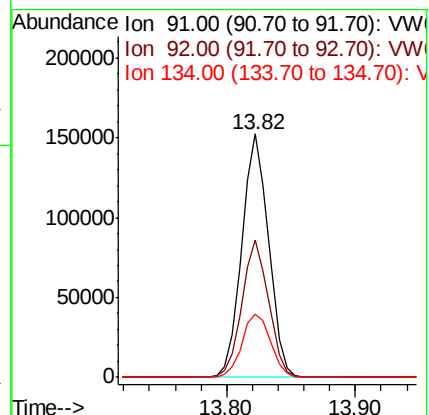
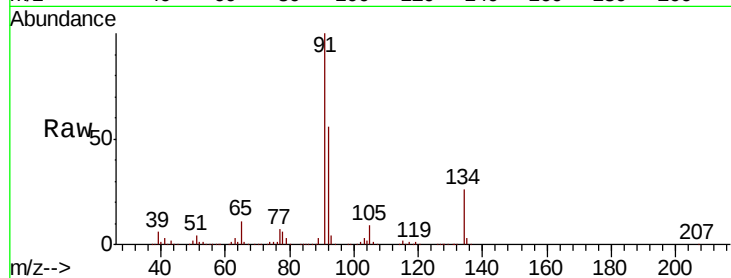
Tot Ion: 91 Resp: 219095

Ion Ratio Lower Upper

91 100

92 56.1 27.5 82.4

134 28.0 13.8 41.3



#90

Hexachloroethane

Concen: 20.243 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013480.D

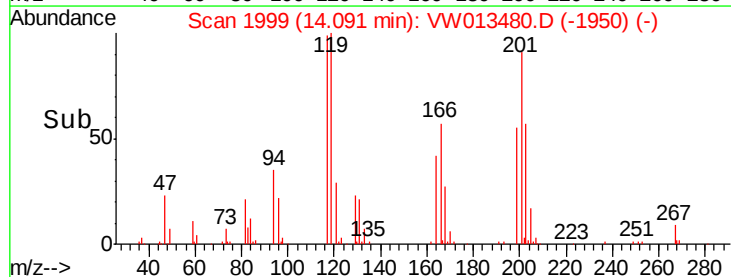
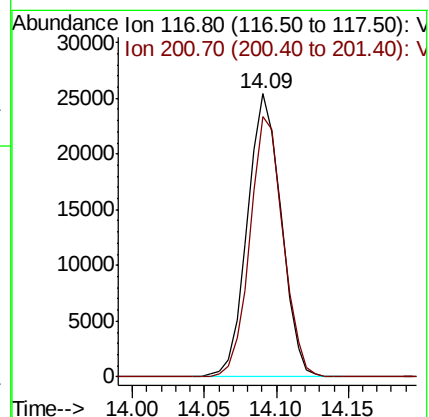
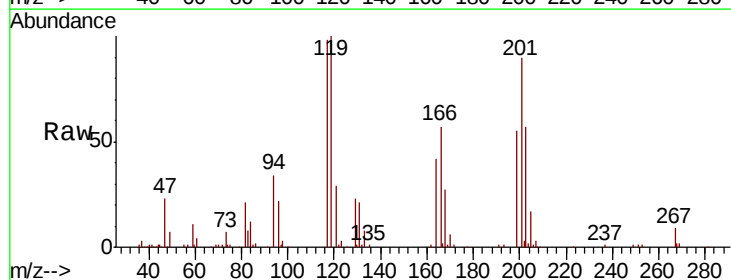
Acq: 08 Oct 2019 11:19

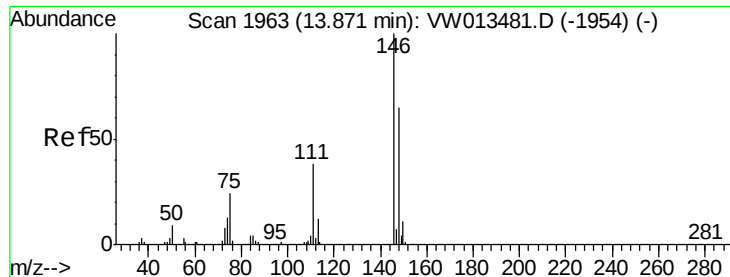
Tgt Ion: 117 Resp: 41125

Ion Ratio Lower Upper

117 100

201 89.8 46.9 140.7





#91

1,2-Dichlorobenzene

Concen: 20.308 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

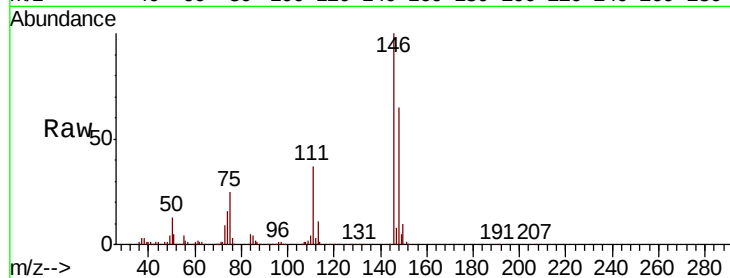
Tot Ion:146 Resp: 102140

Ion Ratio Lower Upper

146 100

111 39.8 19.4 58.2

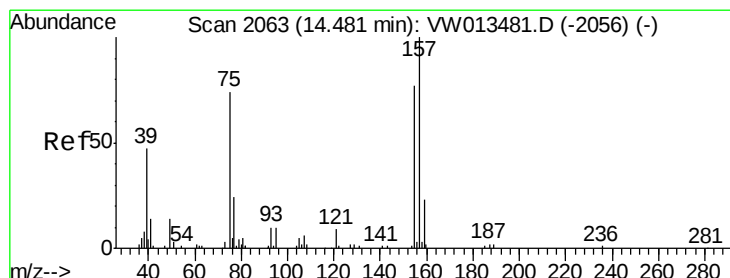
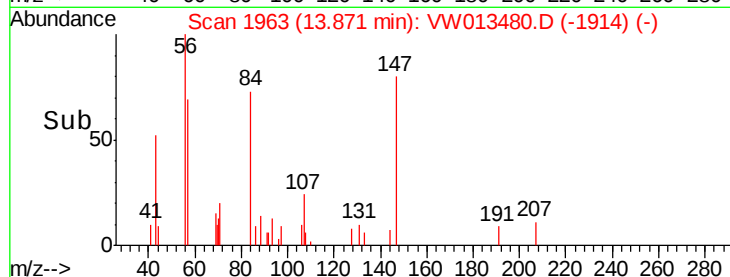
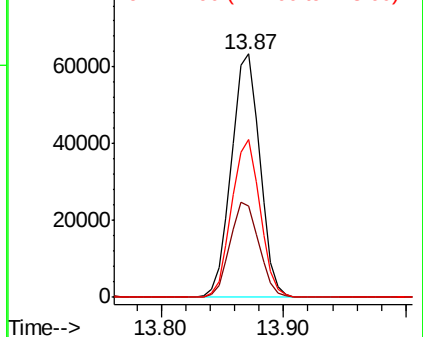
148 64.8 31.8 95.3



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: 21.939 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013480.D

Acq: 08 Oct 2019 11:19

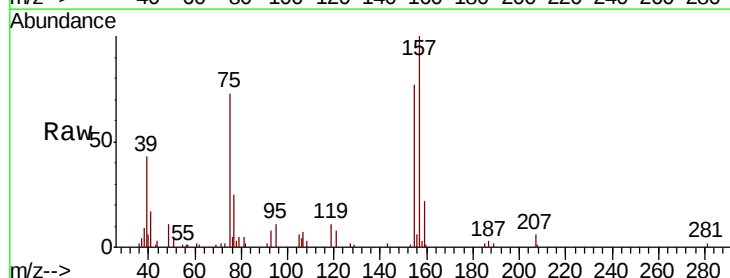
Tgt Ion: 75 Resp: 7556

Ion Ratio Lower Upper

75 100

155 104.2 51.0 153.1

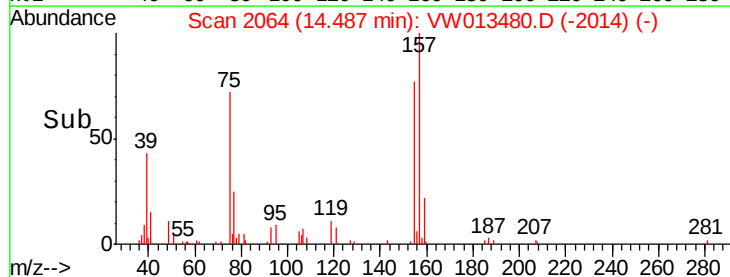
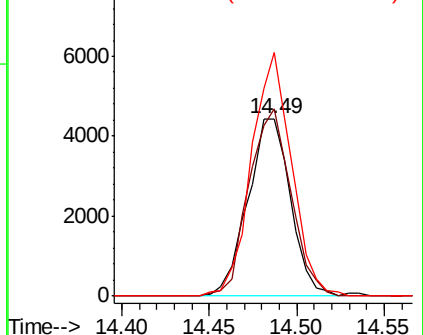
157 128.1 65.9 197.7

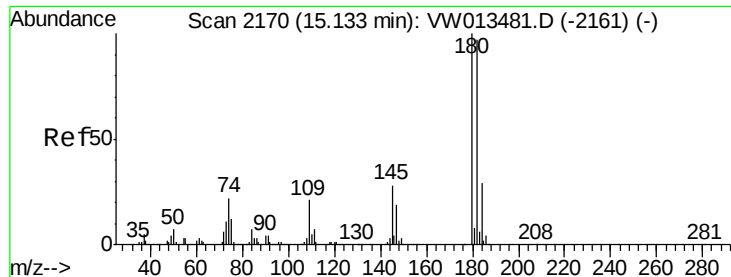


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

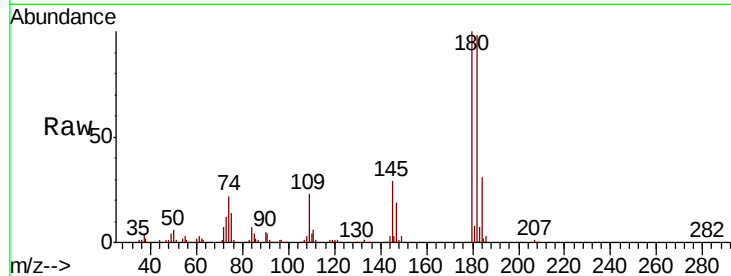




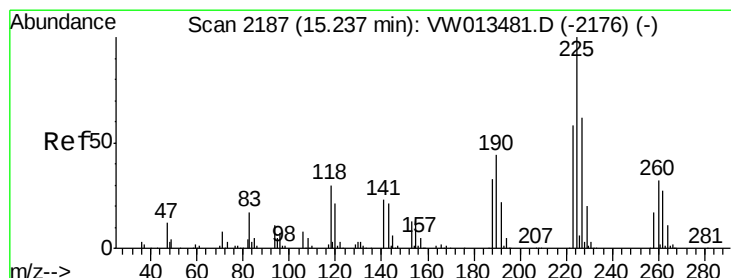
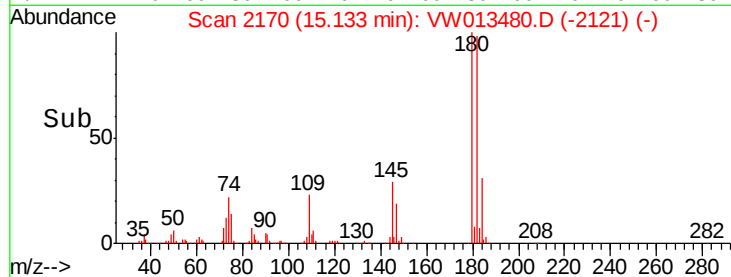
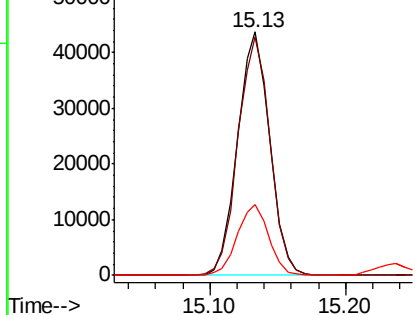
#93
 1,2,4-Trichlorobenzene
 Concen: 20.254 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.7	143.1
145	28.5	14.0	41.9

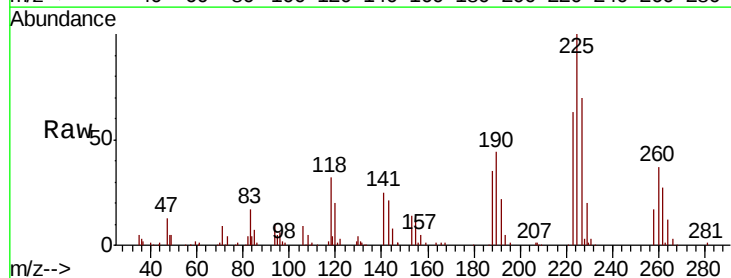


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

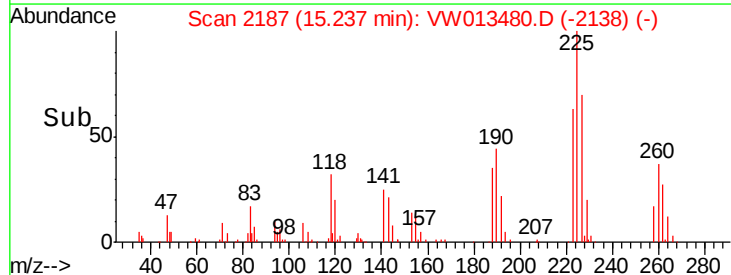
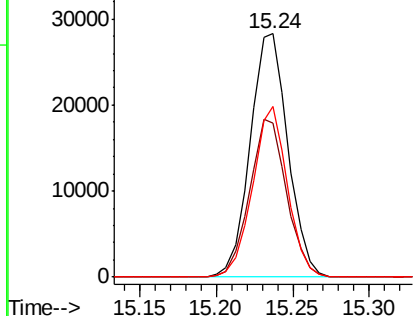


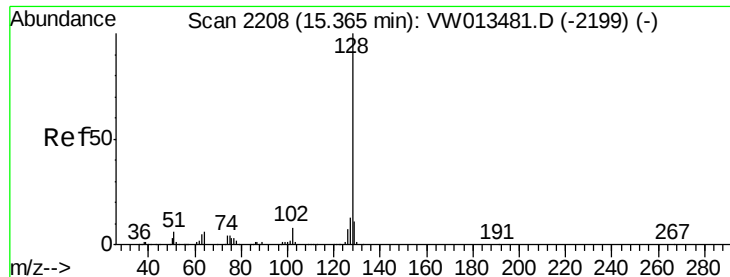
#94
 Hexachlorobutadiene
 Concen: 20.511 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013480.D
 Acq: 08 Oct 2019 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.3	90.9
227	64.9	32.0	96.0



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

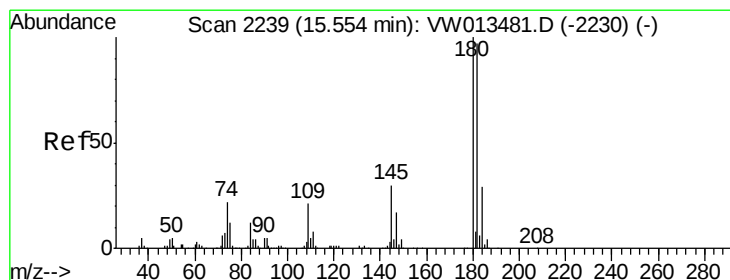
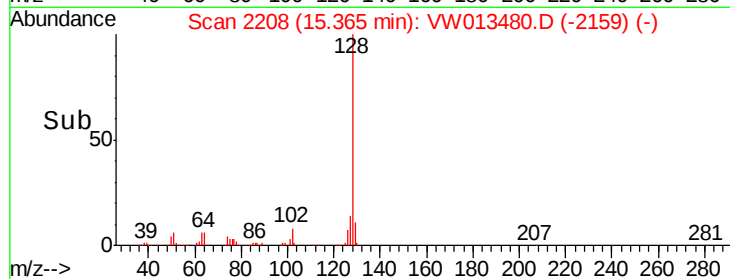
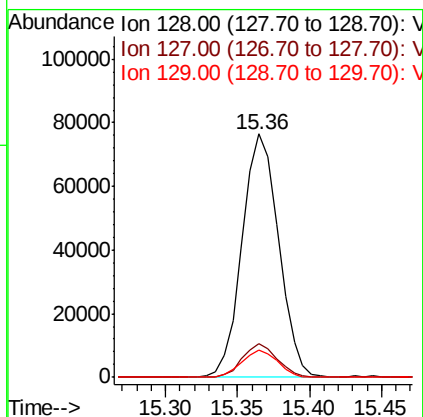
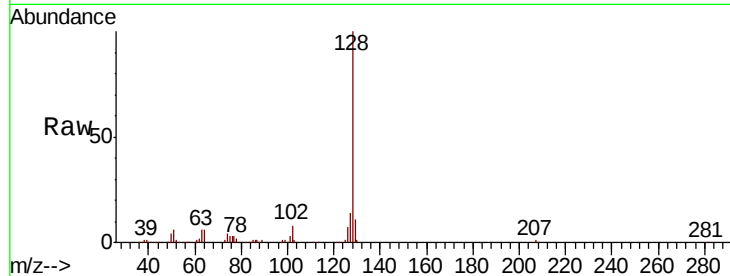




#95
Naphthalene
Concen: 21.919 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 134776
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.934 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013480.D
Acq: 08 Oct 2019 11:19

Tgt Ion:180 Resp: 65068
Ion Ratio Lower Upper
180 100
182 96.1 47.7 143.1
145 29.9 14.9 44.9

