

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101419\
 Data File : VW013553.D
 Acq On : 14 Oct 2019 09:16
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 14 15:29:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 14 12:52:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	491120	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	426685	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	212846	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	136987	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
7) Chloroethane-d5	2.89	69	104643	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.00%
10) 1,1-Dichloroethene-d2	4.02	63	301570	25.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.40%
20) 2-Butanone-d5	7.08	46	95818	56.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.18%
24) Chloroform-d	7.65	84	270793	25.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.52%
26) 1,2-Dichloroethane-d4	8.31	65	139196	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.72%
29) Benzene-d6	8.27	84	588436	25.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.00%
33) 1,2-Dichloropropane-d6	9.27	67	173504	25.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.36%
37) Toluene-d8	10.32	98	549372	25.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.28%
38) trans-1,3-Dichloropropene-	10.57	79	77341	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.40%
39) 2-Hexanone-d5	10.92	63	76077	56.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146817	27.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	192597	25.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	73811	27.581	ug/L	92
3) Chloromethane	2.21	50	122288	26.007	ug/L	95
5) Vinyl chloride	2.36	62	179922	27.046	ug/L	100
6) Bromomethane	2.78	94	108587	26.649	ug/L	100
8) Chloroethane	2.92	64	98970	26.523	ug/L	99
9) Trichlorofluoromethane	3.26	101	101511	29.270	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	160550	26.085	ug/L	99
12) 1,1-Dichloroethene	4.04	96	167557	27.179	ug/L	94
13) Acetone	4.13	43	101061	51.934	ug/L	98
14) Carbon disulfide	4.38	76	504631	26.822	ug/L	100
15) Methyl Acetate	4.67	43	90597	29.846	ug/L	99
16) Methylene chloride	4.91	84	172707	23.217	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	273499	27.606	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	179391	27.268	ug/L	98
19) 1,1-Dichloroethane	6.21	63	300131	27.173	ug/L	98
21) 2-Butanone	7.17	43	133709	56.167	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	190586	27.087	ug/L	100

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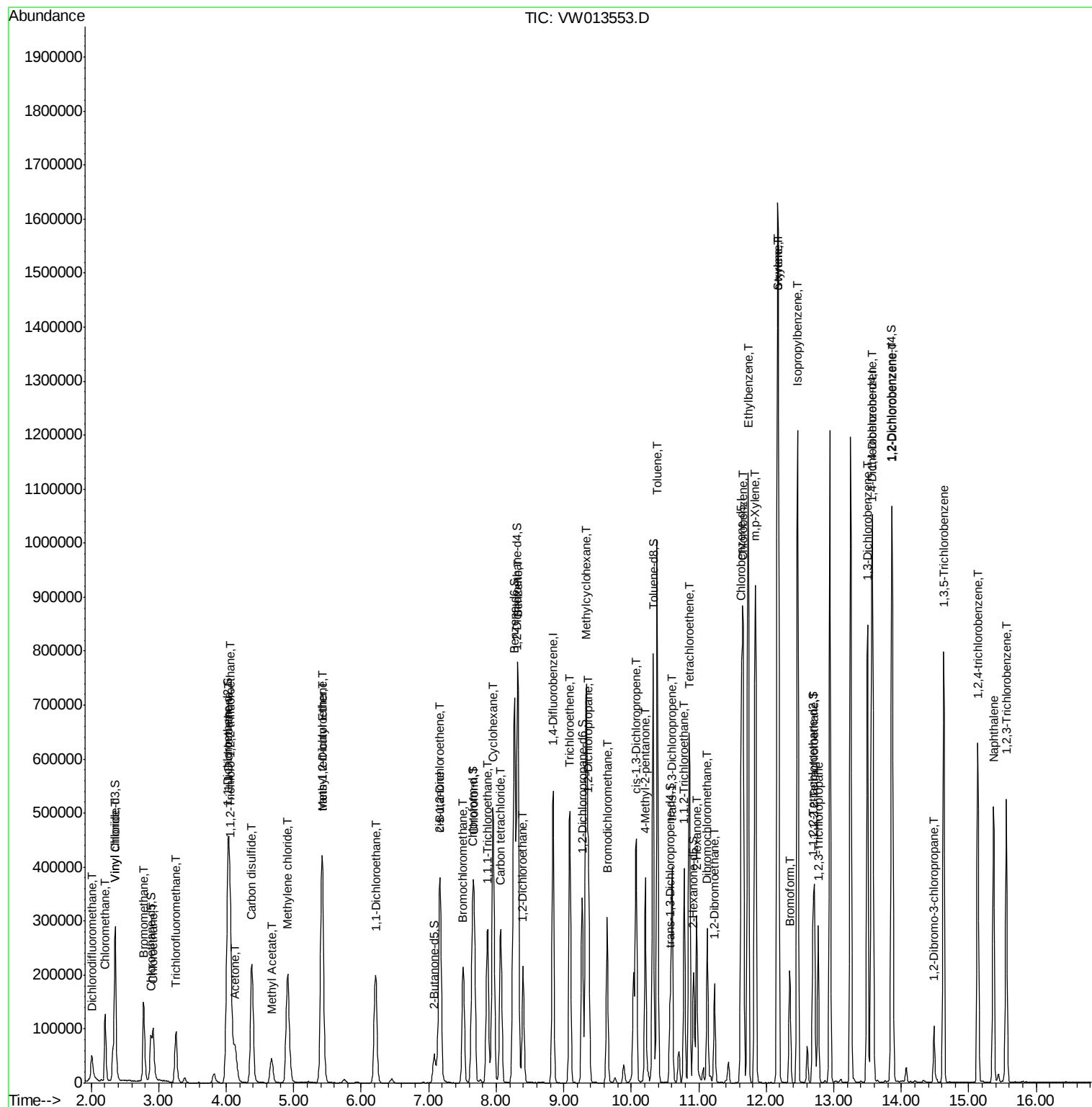
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	82669	26.239	ug/L	97
25) Chloroform	7.67	83	295190	27.091	ug/L	100
27) 1,2-Dichloroethane	8.40	62	190417	27.630	ug/L	100
30) Cyclohexane	7.95	56	296967	26.470	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	237401	27.624	ug/L	100
32) Carbon tetrachloride	8.07	117	225851	27.398	ug/L	98
34) Benzene	8.32	78	702961	27.270	ug/L	100
35) Trichloroethene	9.09	95	182021	27.071	ug/L	99
36) Methylcyclohexane	9.33	83	316692	25.900	ug/L	99
40) 1,2-Dichloropropane	9.37	63	171270	27.581	ug/L	100
41) Bromodichloromethane	9.64	83	211921	27.785	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	275169	27.622	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	249236	57.524	ug/L	99
44) Toluene	10.38	91	760594	27.227	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	224936	28.595	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	132157	28.036	ug/L	99
47) Tetrachloroethene	10.86	164	161515	26.356	ug/L	96
49) 2-Hexanone	10.97	43	193952	61.593	ug/L	99
50) Dibromochloromethane	11.13	129	157402	28.360	ug/L	99
51) 1,2-Dibromoethane	11.23	107	131954	28.497	ug/L	98
52) Chlorobenzene	11.66	112	473428	26.702	ug/L	99
53) Ethylbenzene	11.73	91	833798	26.964	ug/L	99
54) m,p-Xylene	11.84	106	321190	26.626	ug/L	97
55) o-xylene	12.16	106	301076	26.738	ug/L	99
56) Styrene	12.18	104	519851	27.108	ug/L	100
57) Isopropylbenzene	12.46	105	814881	26.677	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	162374	29.155	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	120974	29.090	ug/L	99
62) Bromoform	12.35	173	102115	29.828	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	375729	26.343	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	369659	26.037	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	337151	26.290	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25857	29.206	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	274938	25.540	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	230669	25.852	ug/L	96
69) Naphthalene	15.36	128	451155	27.761	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	204311	25.715	ug/L	100

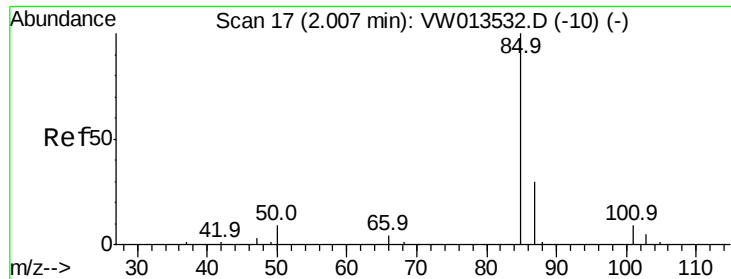
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.581 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

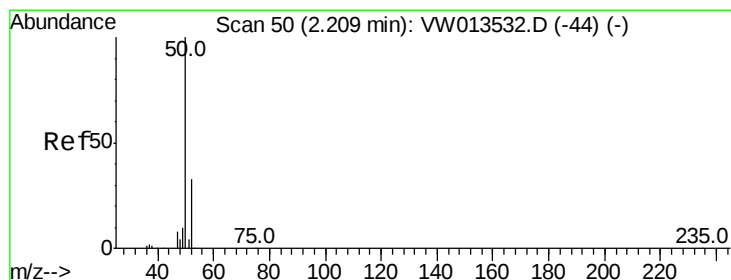
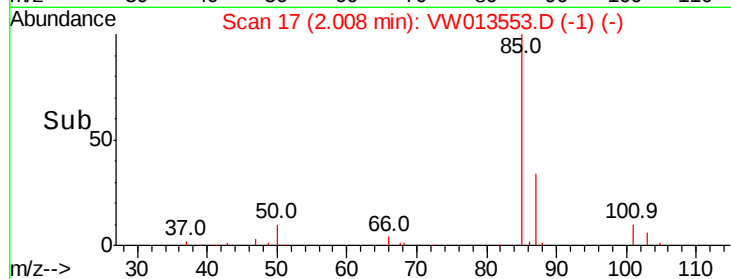
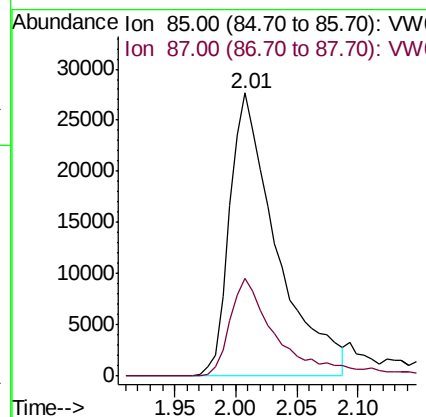
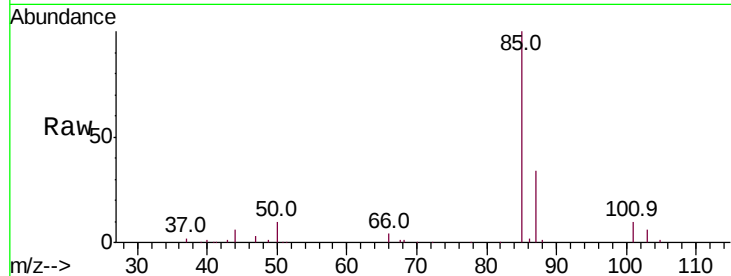
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 73811

Ion Ratio Lower Upper

85 100

87 33.3 20.4 38.0



#3

Chloromethane

Concen: 26.007 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013553.D

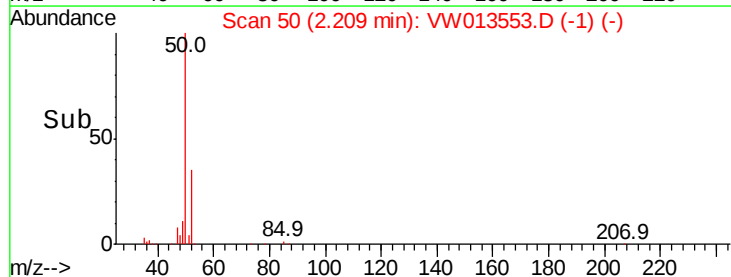
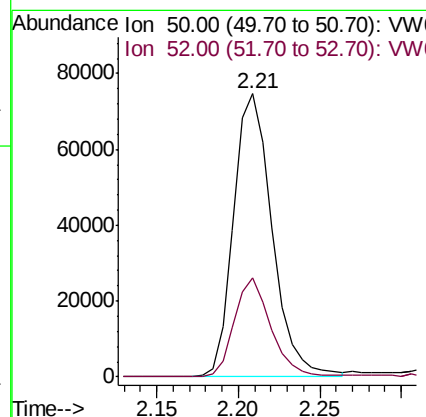
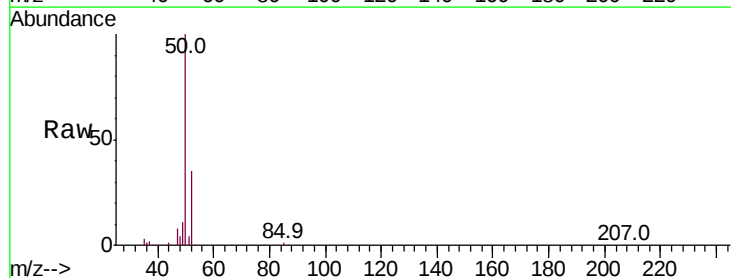
Acq: 14 Oct 2019 09:16

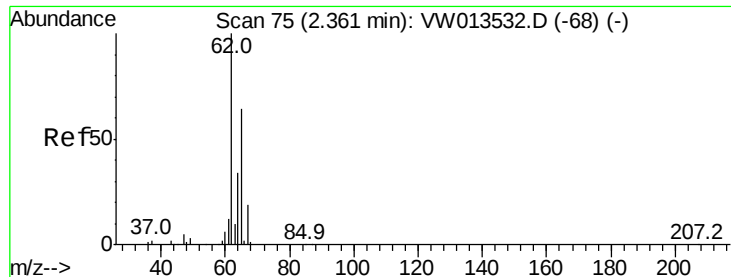
Tgt Ion: 50 Resp: 122288

Ion Ratio Lower Upper

50 100

52 35.0 22.6 42.0





#5

Vinyl chloride

Concen: 27.046 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

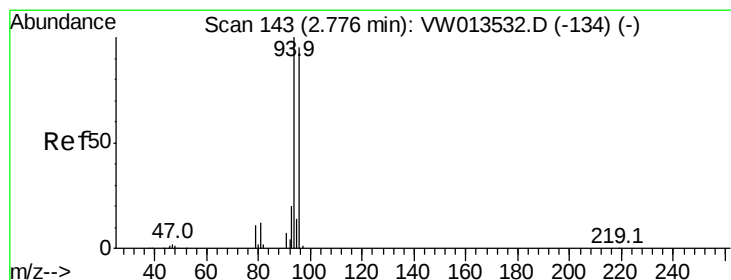
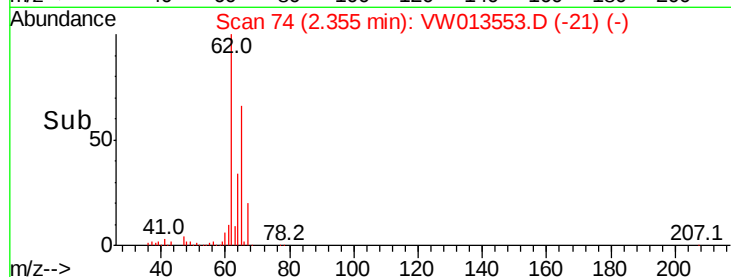
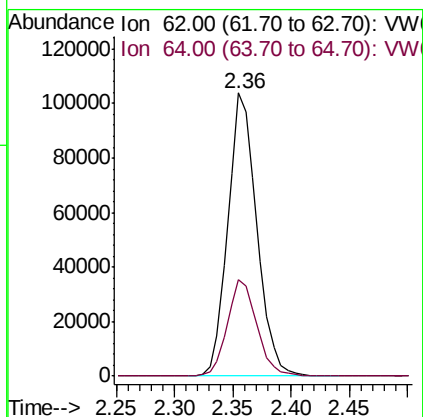
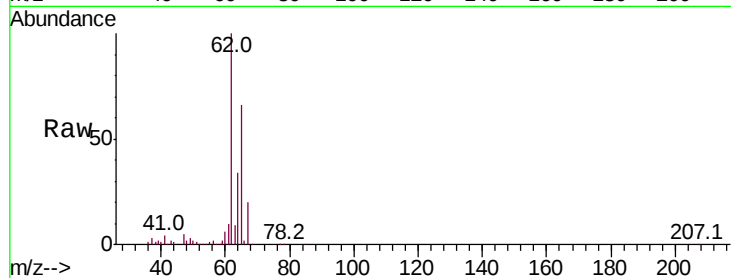
ClientSampled :

Tot Ion: 62 Resp: 179922

Ion Ratio Lower Upper

62 100

64 34.0 23.9 44.3



#6

Bromomethane

Concen: 26.649 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013553.D

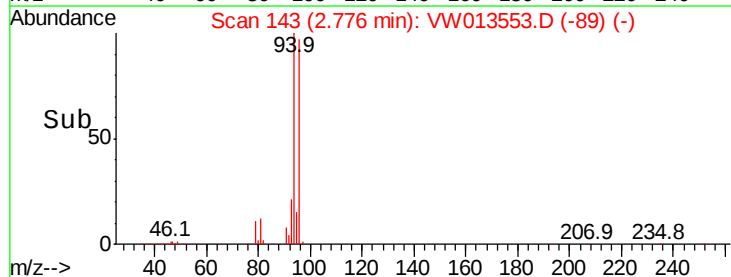
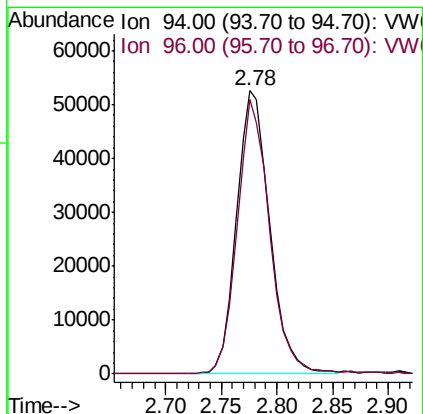
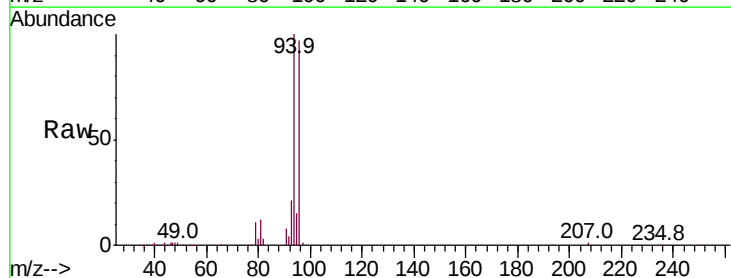
Acq: 14 Oct 2019 09:16

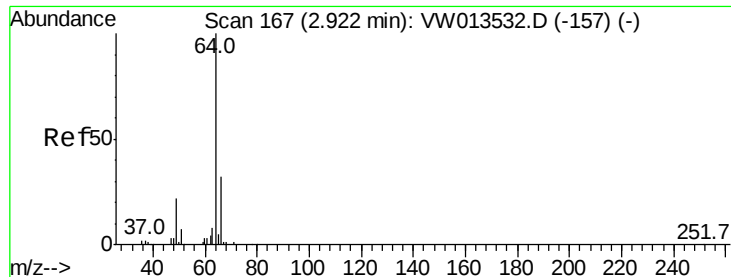
Tgt Ion: 94 Resp: 108587

Ion Ratio Lower Upper

94 100

96 94.6 9.5 179.9





#8

Chloroethane

Concen: 26.523 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

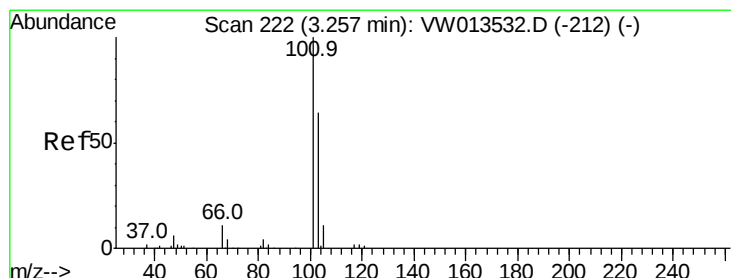
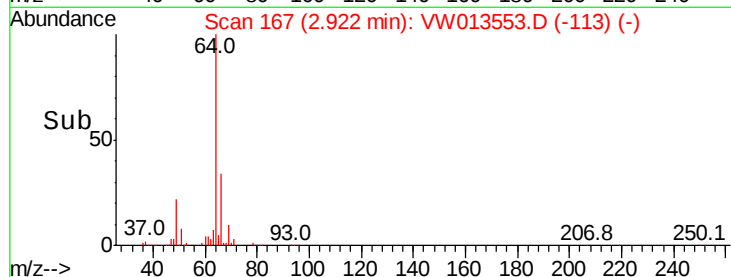
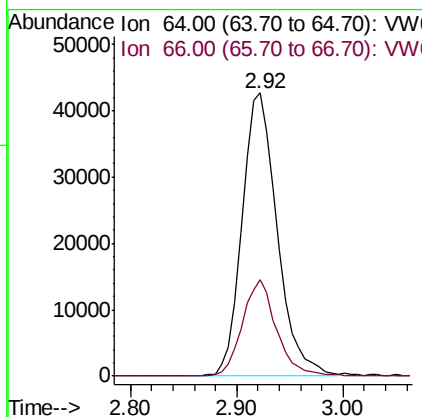
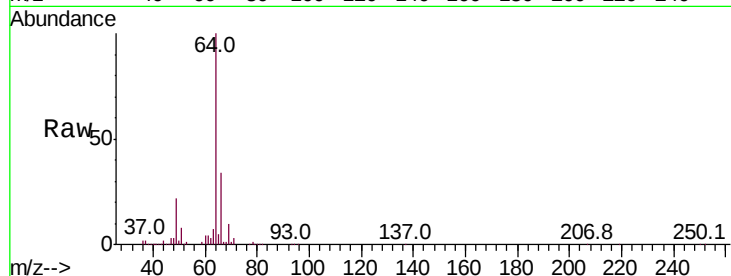
ClientSampleId :

Tot Ion: 64 Resp: 98970

Ion Ratio Lower Upper

64 100

66 33.9 23.2 43.0



#9

Trichlorofluoromethane

Concen: 29.270 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW013553.D

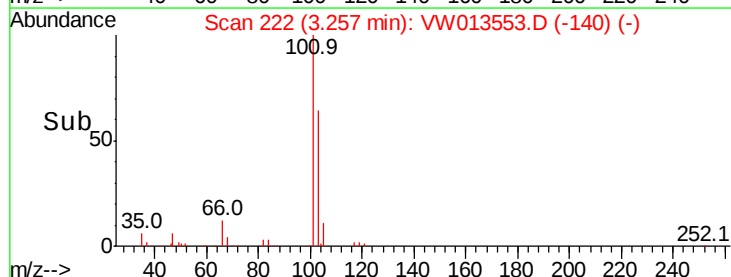
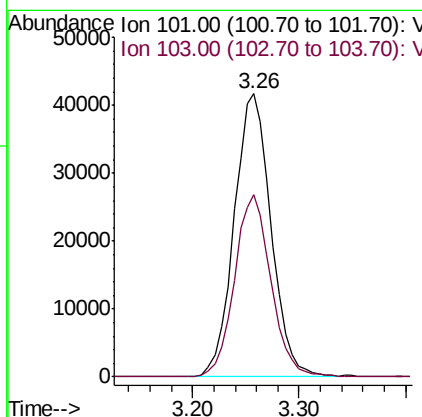
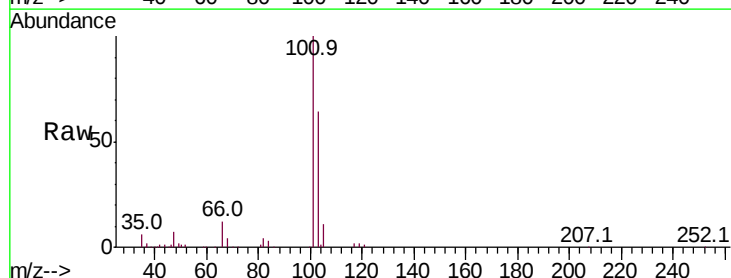
Acq: 14 Oct 2019 09:16

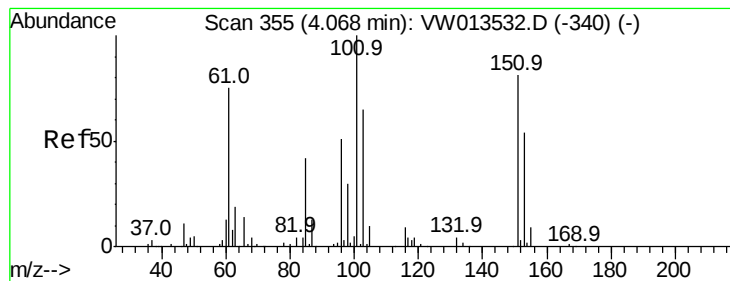
Tgt Ion: 101 Resp: 101511

Ion Ratio Lower Upper

101 100

103 63.6 46.0 85.4





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.085 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

ClientSampleId :

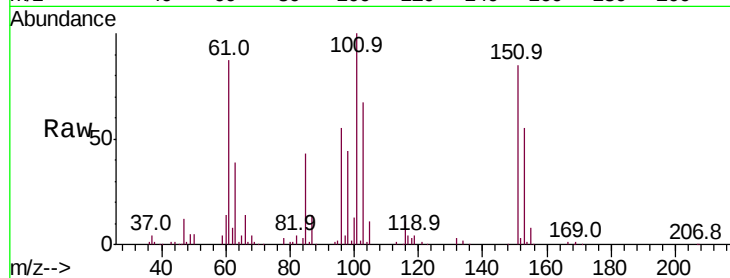
Tot Ion:101 Resp: 160550

Ion Ratio Lower Upper

101 100

85 41.1 32.0 48.0

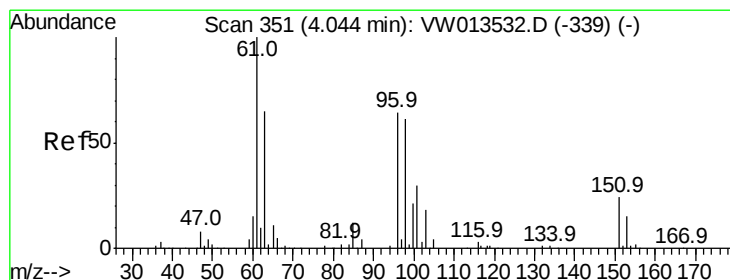
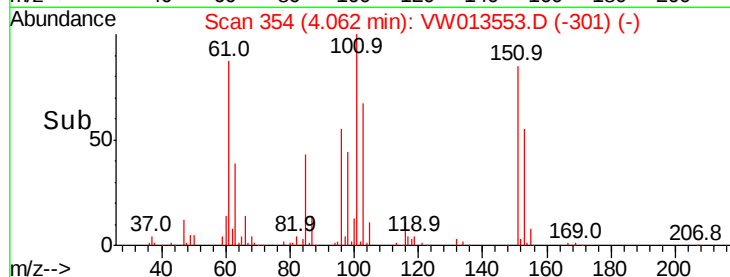
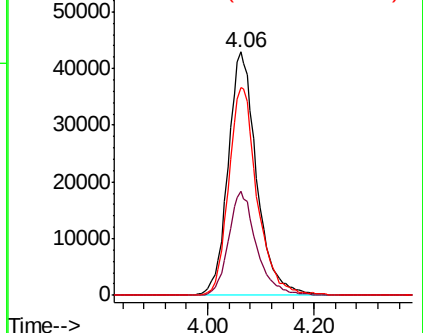
151 84.5 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.179 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

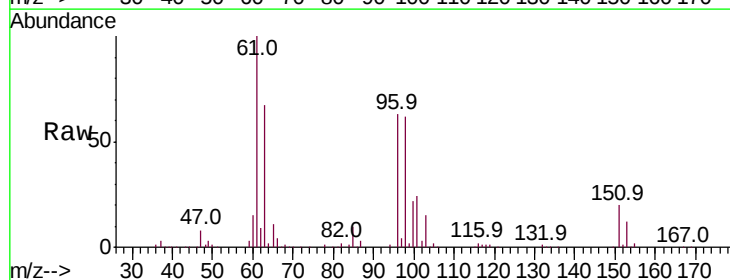
Tgt Ion: 96 Resp: 167557

Ion Ratio Lower Upper

96 100

61 158.6 111.0 206.2

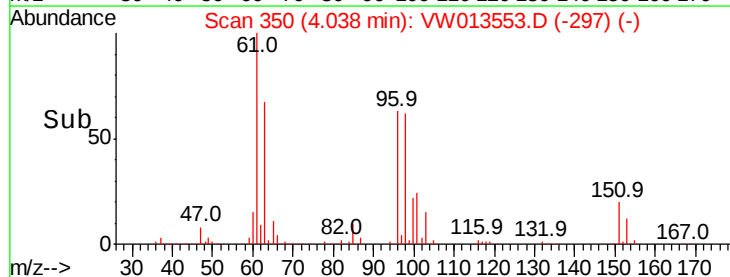
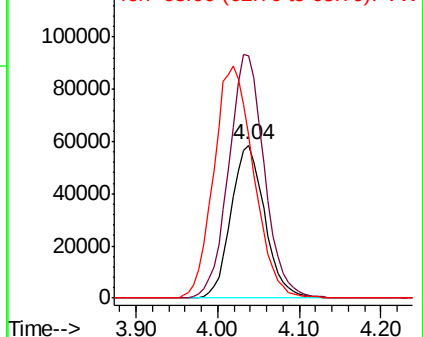
63 106.6 86.3 160.3

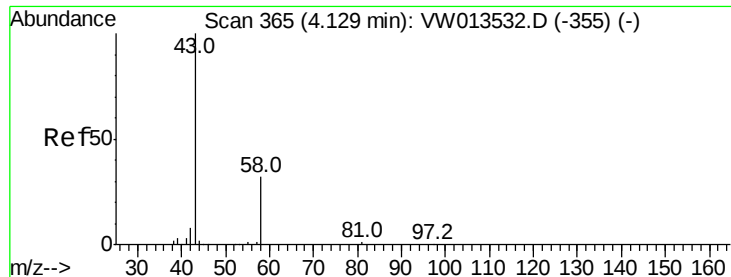


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.934 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

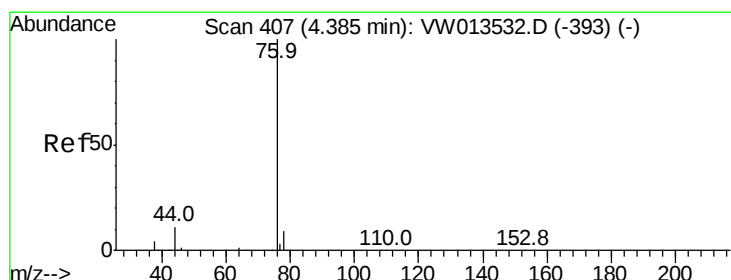
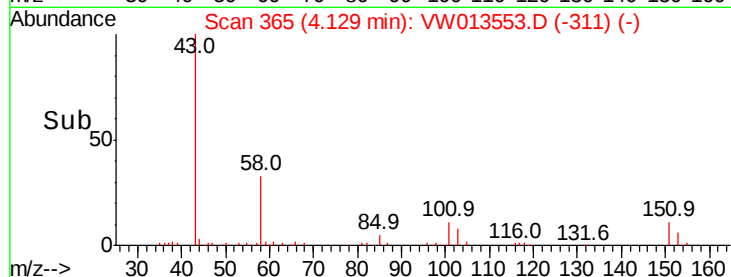
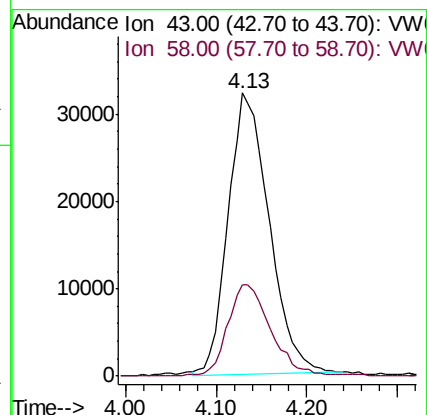
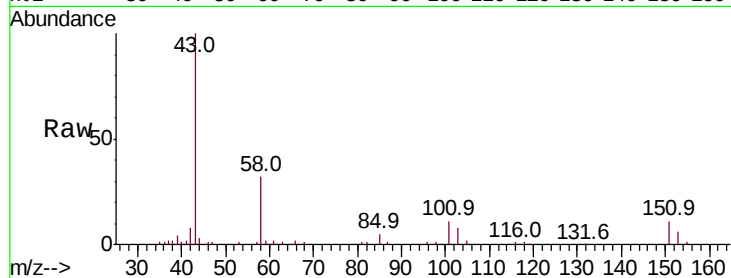
ClientSampleId :

Tot Ion: 43 Resp: 101061

Ion Ratio Lower Upper

43 100

58 32.9 0.0 67.8



#14

Carbon disulfide

Concen: 26.822 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

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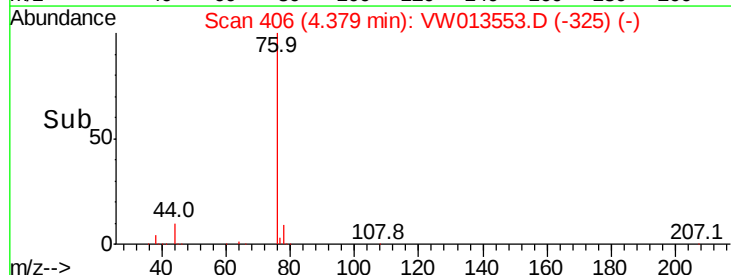
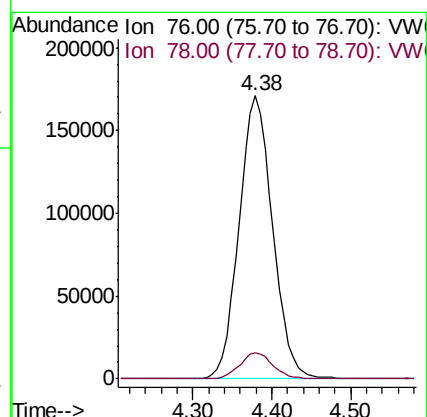
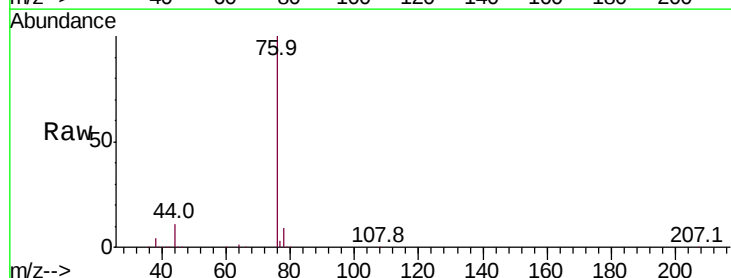
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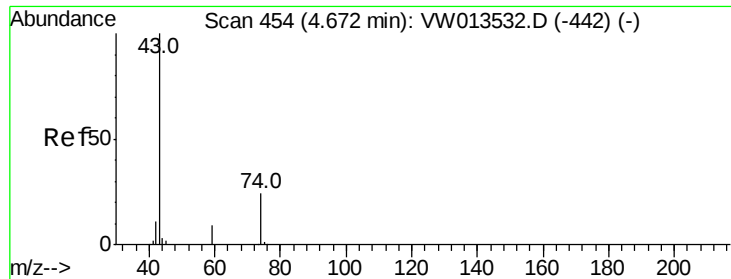
Tgt Ion: 76 Resp: 504631

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

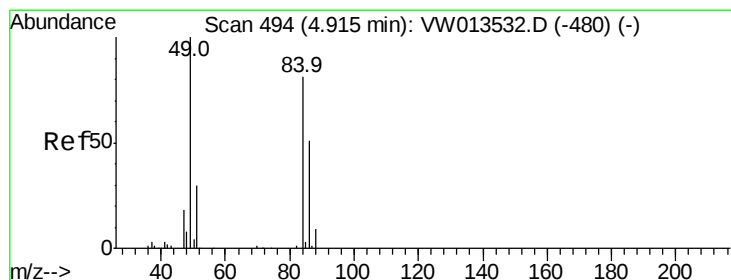
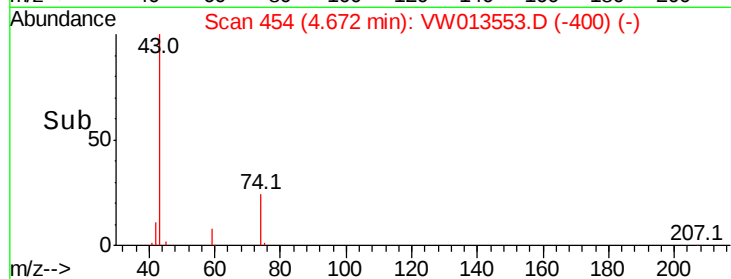
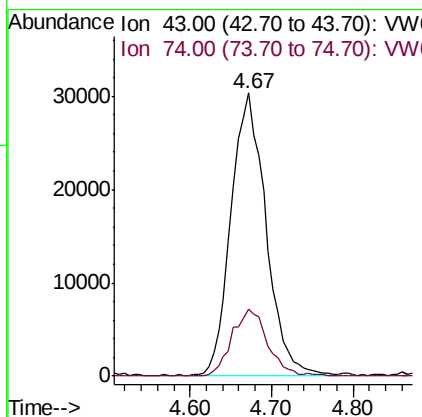
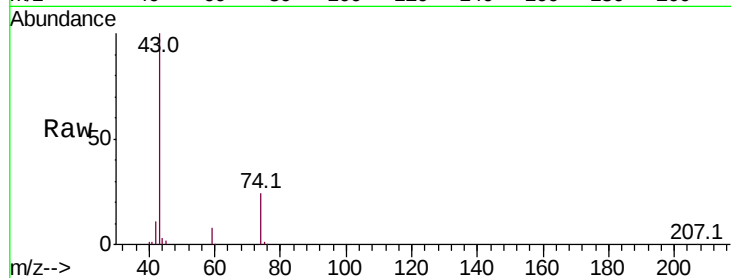




#15
Methyl Acetate
Concen: 29.846 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

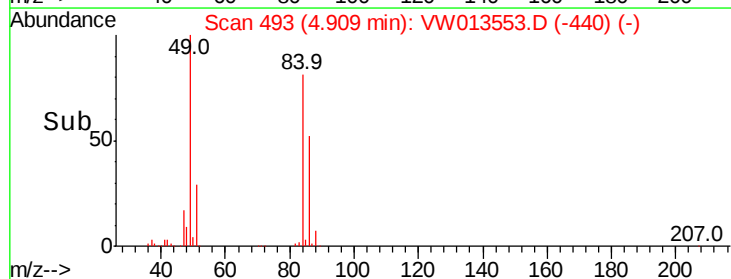
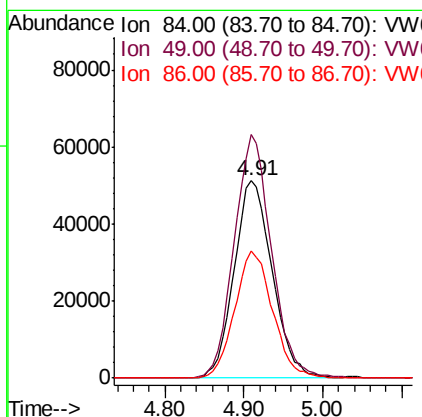
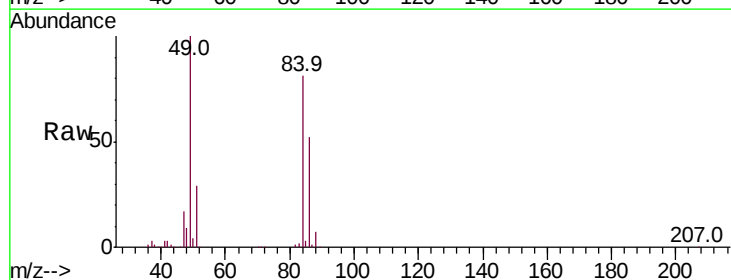
Instrument :
MSVOA_W
ClientSampleId :

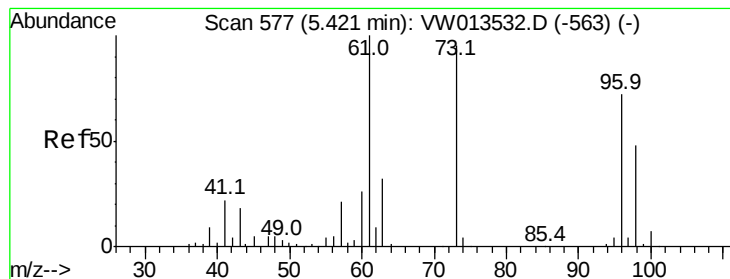
Tot Ion: 43 Resp: 90597
Ion Ratio Lower Upper
43 100
74 23.7 18.7 28.1



#16
Methylene chloride
Concen: 23.217 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Tgt Ion: 84 Resp: 172707
Ion Ratio Lower Upper
84 100
49 123.5 81.3 151.1
86 64.3 46.3 86.1



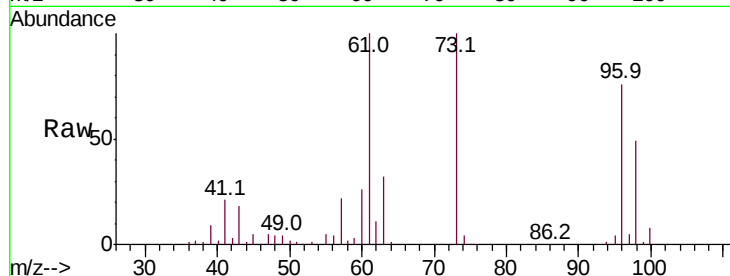


#17

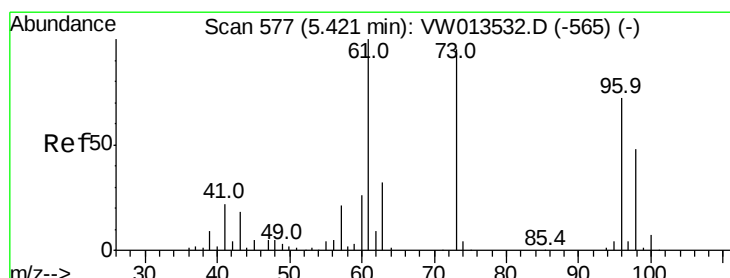
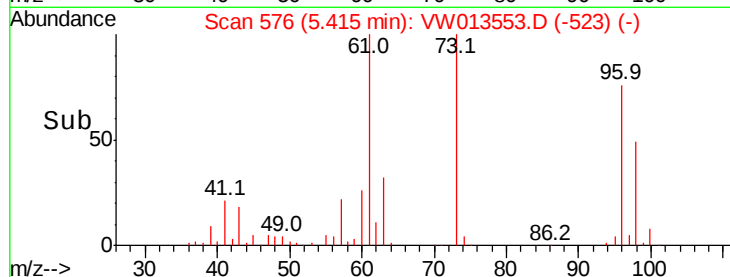
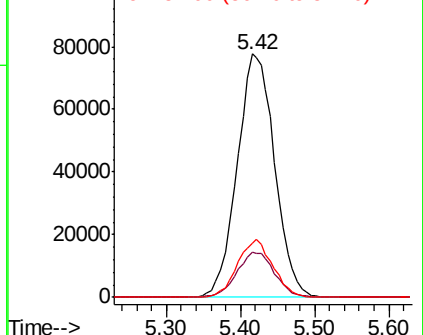
Methyl tert-butyl Ether
 Concen: 27.606 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.0	22.4
57	22.6	18.1	27.1



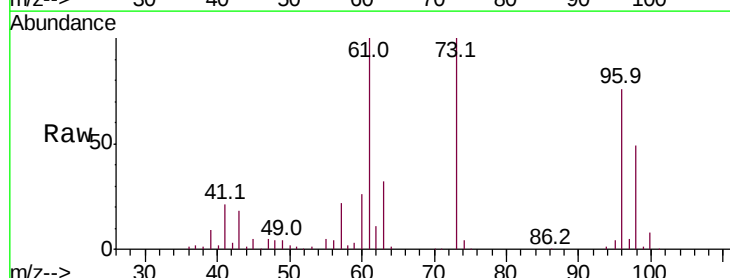
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



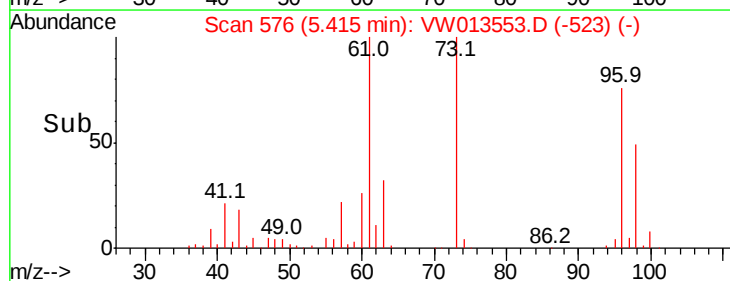
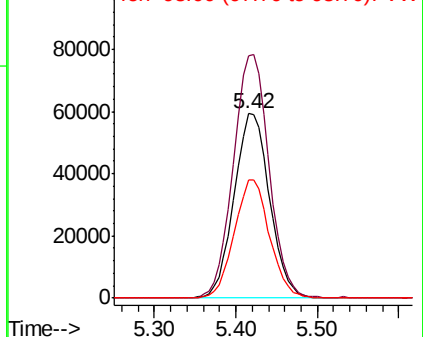
#18

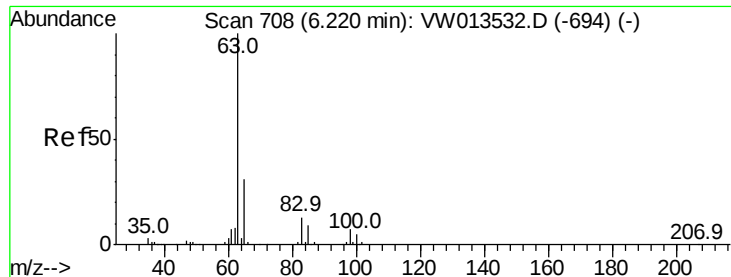
trans-1,2-Dichloroethene
 Concen: 27.268 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.4	93.7	173.9
98	64.1	46.1	85.7



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW

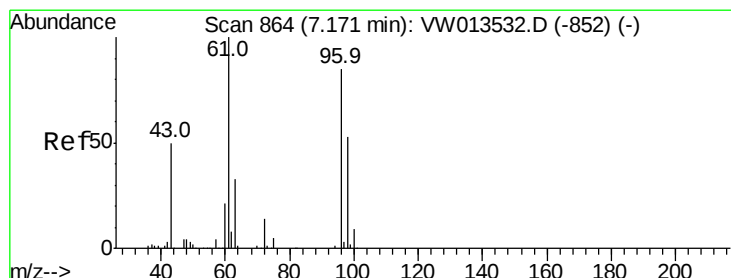
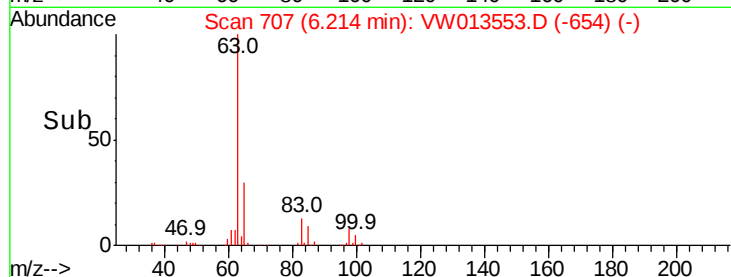
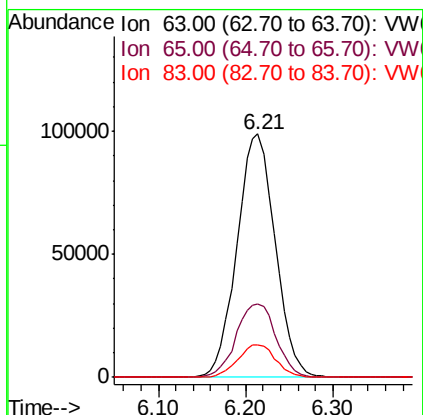
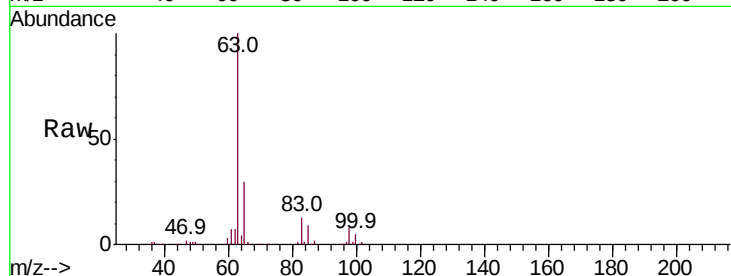




#19
 1,1-Dichloroethane
 Concen: 27.173 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

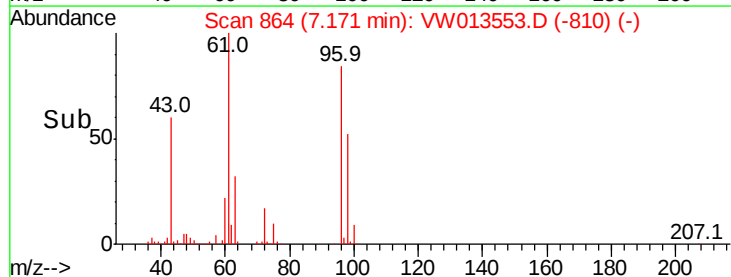
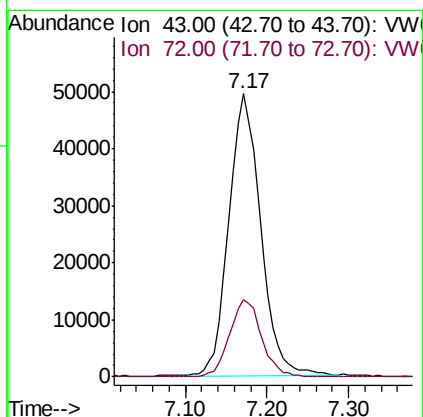
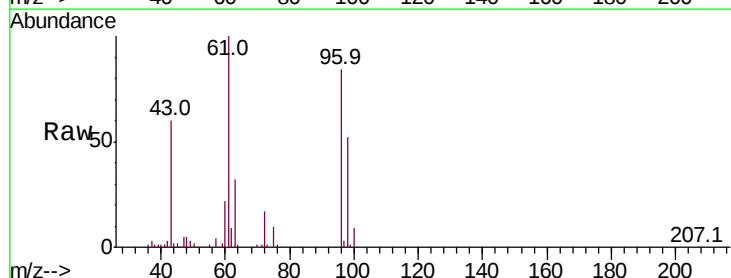
Instrument :
 MSVOA_W
 ClientSampled :

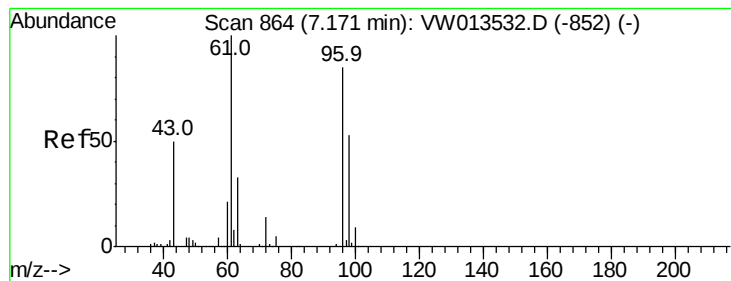
Tot Ion: 63 Resp: 300131
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.6 40.0
 83 13.4 9.0 16.6



#21
 2-Butanone
 Concen: 56.167 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Tgt Ion: 43 Resp: 133709
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.5 40.4



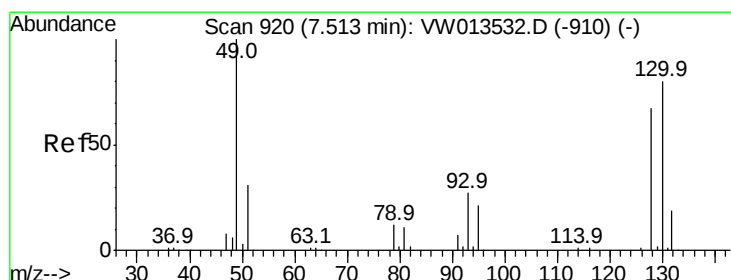
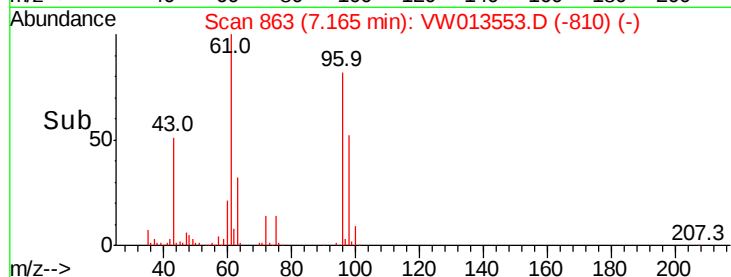
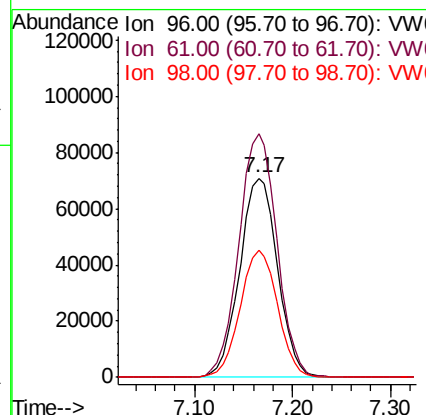
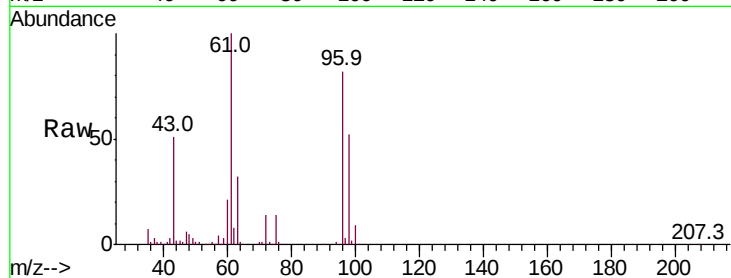


#22

cis-1,2-Dichloroethene
 Concen: 27.087 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Instrument :
 MSVOA_W
 ClientSampleId :

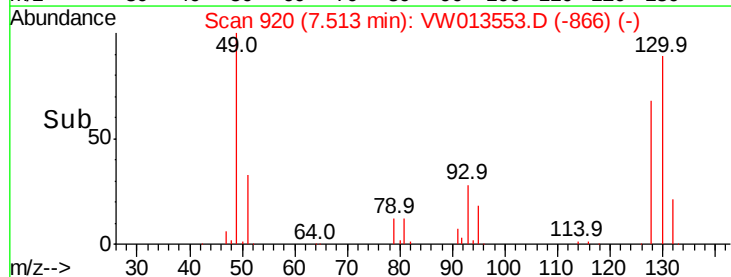
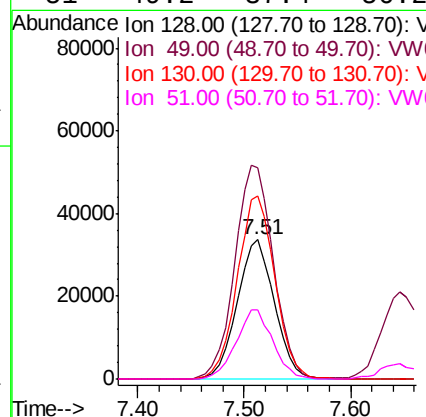
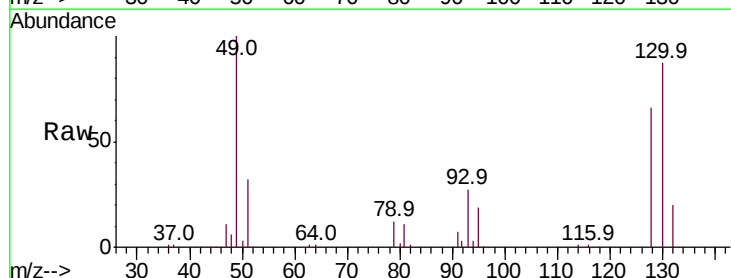
Tot Ion: 96 Resp: 190586
 Ion Ratio Lower Upper
 96 100
 61 122.1 86.0 159.8
 98 63.5 44.4 82.5

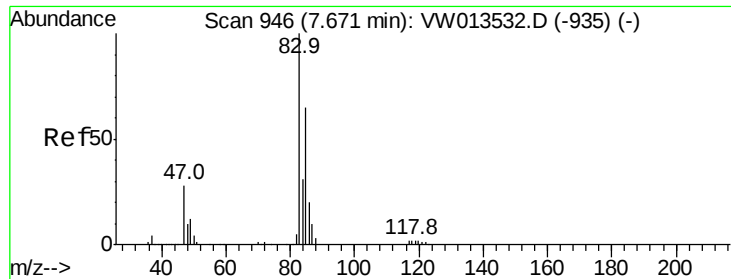


#23

Bromochloromethane
 Concen: 26.239 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Tgt Ion: 128 Resp: 82669
 Ion Ratio Lower Upper
 128 100
 49 151.8 108.0 200.6
 130 131.7 89.4 166.0
 51 49.2 37.4 56.2





#25

Chloroform

Concen: 27.091 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

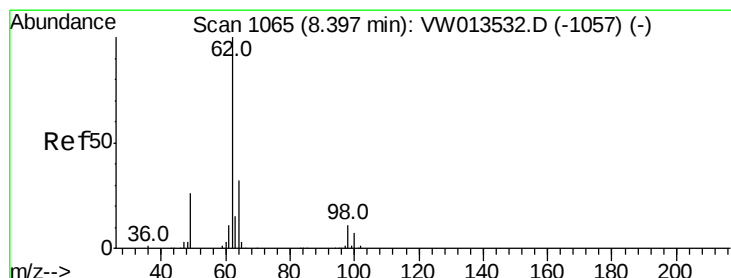
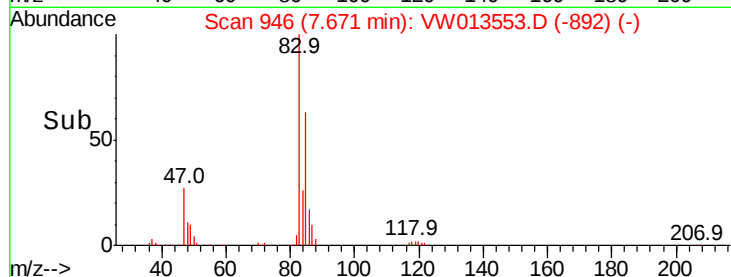
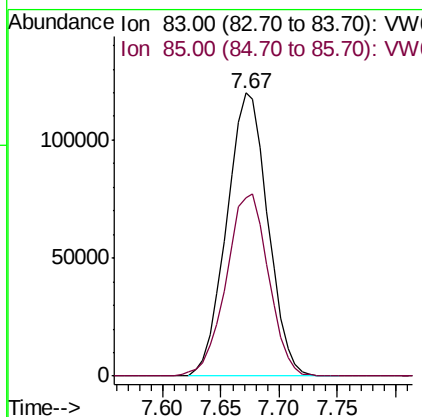
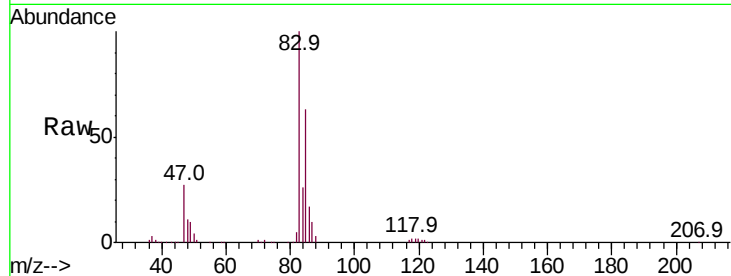
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 295190

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.5



#27

1,2-Dichloroethane

Concen: 27.630 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013553.D

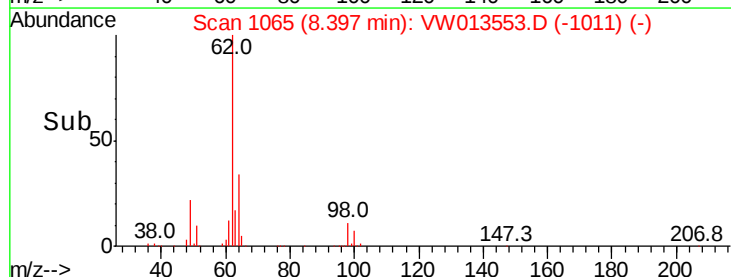
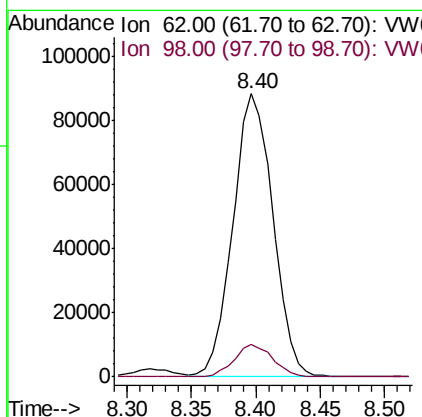
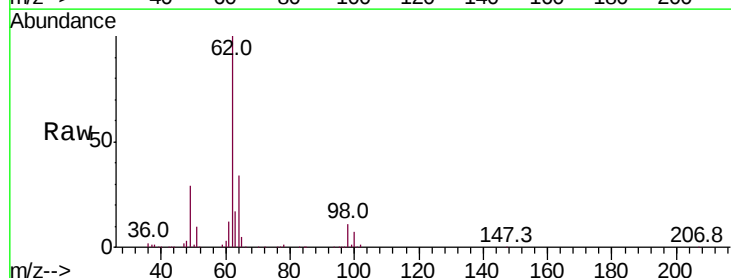
Acq: 14 Oct 2019 09:16

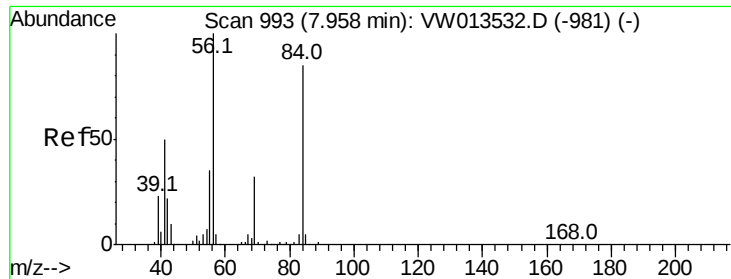
Tgt Ion: 62 Resp: 190417

Ion Ratio Lower Upper

62 100

98 11.4 9.0 13.4

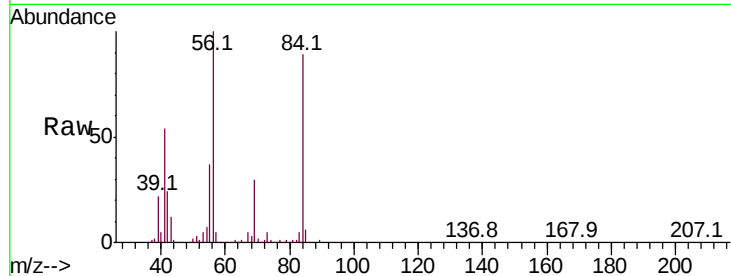




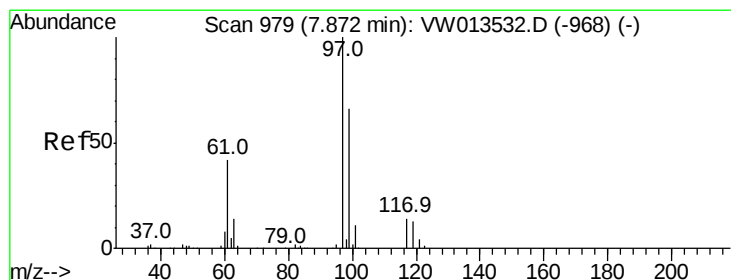
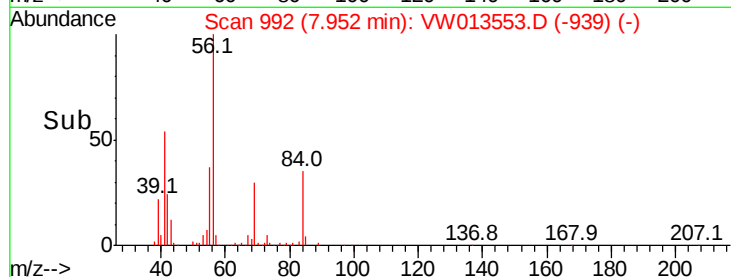
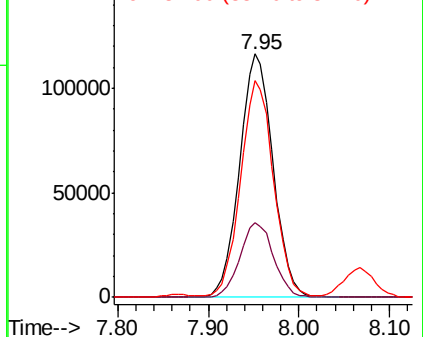
#30
Cyclohexane
Concen: 26.470 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 296967
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 87.7 70.4 105.6

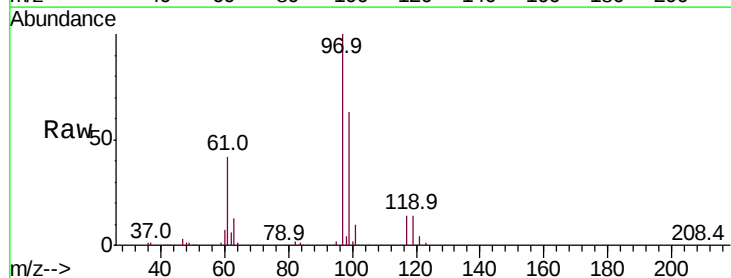


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

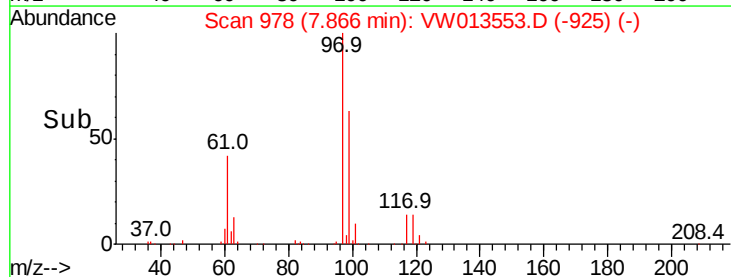
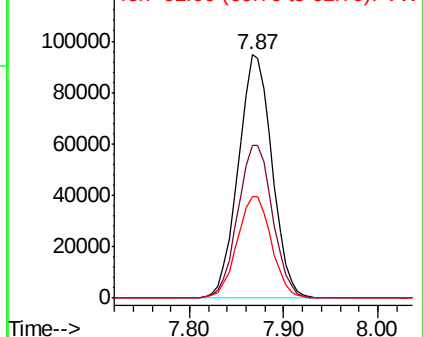


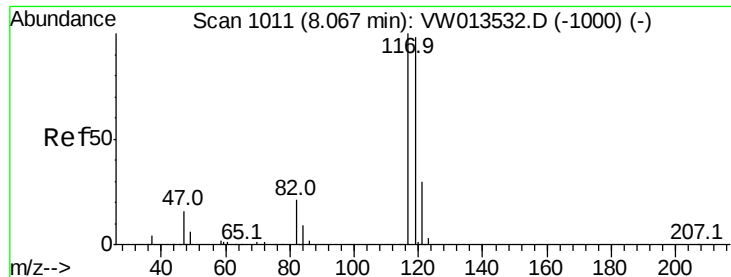
#31
1,1,1-Trichloroethane
Concen: 27.624 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Tgt Ion: 97 Resp: 237401
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.8
61 42.3 33.7 50.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.398 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

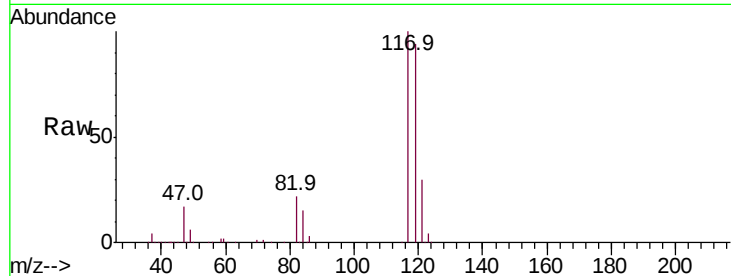
ClientSampled :

Tot Ion:117 Resp: 225851

Ion Ratio Lower Upper

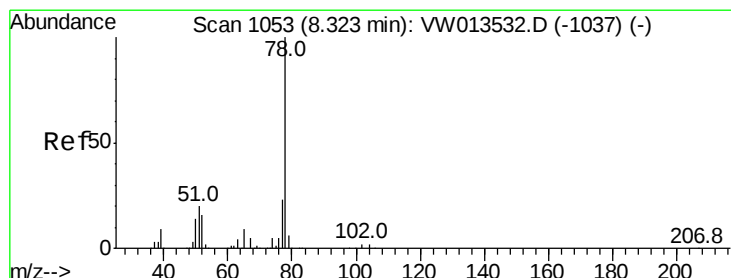
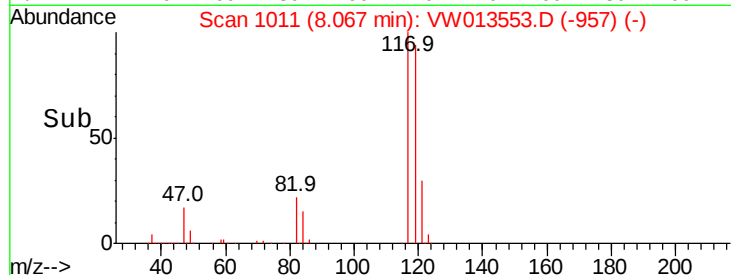
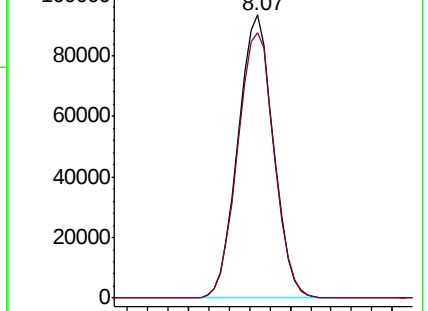
117 100

119 96.8 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.270 ug/L

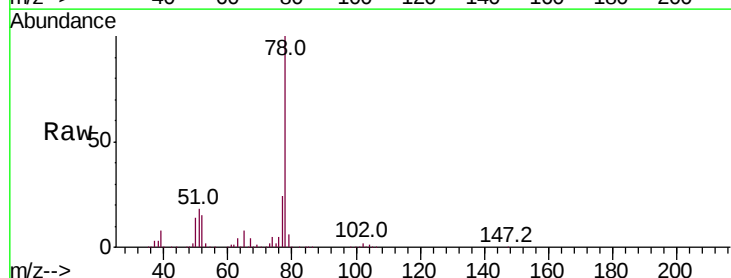
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

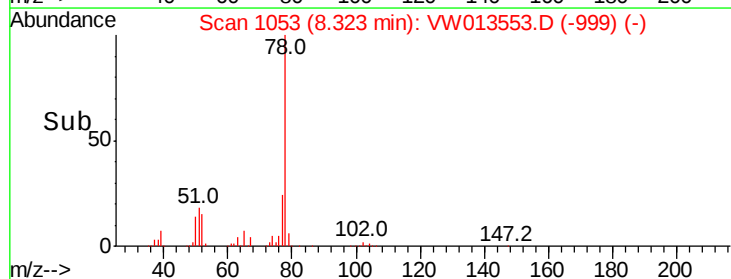
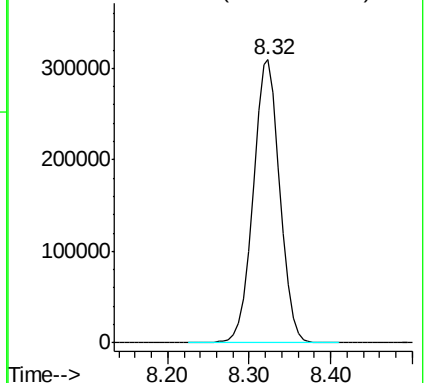
Lab File: VW013553.D

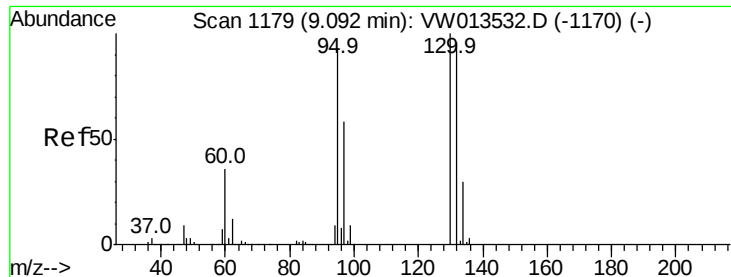
Acq: 14 Oct 2019 09:16

Tgt Ion: 78 Resp: 702961



Abundance Ion 78.00 (77.70 to 78.70): VW

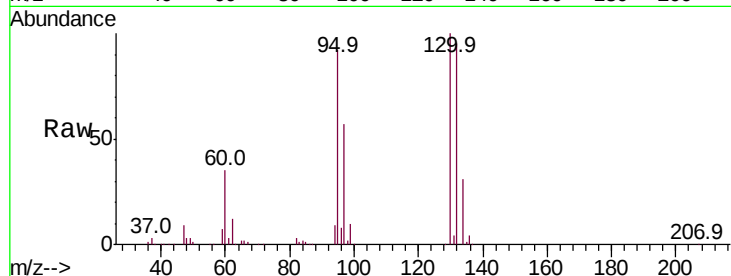




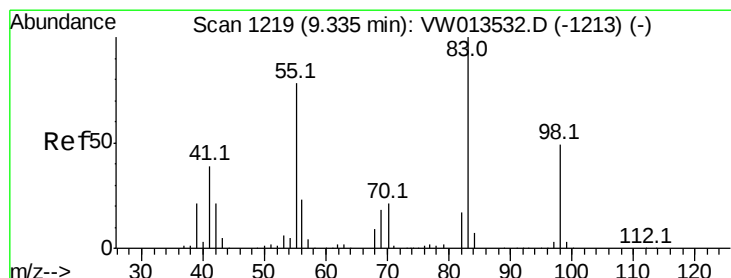
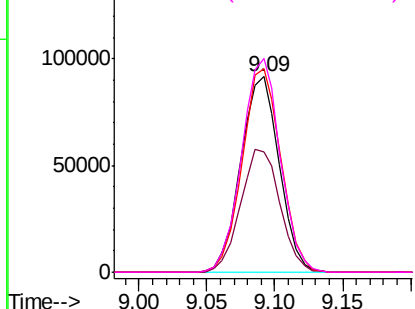
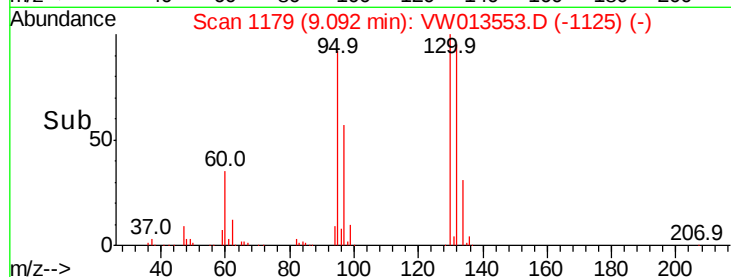
#35
Trichloroethene
Concen: 27.071 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 182021
Ion Ratio Lower Upper
95 100
97 64.2 45.1 83.7
132 104.3 73.6 136.8
130 109.4 76.3 141.7

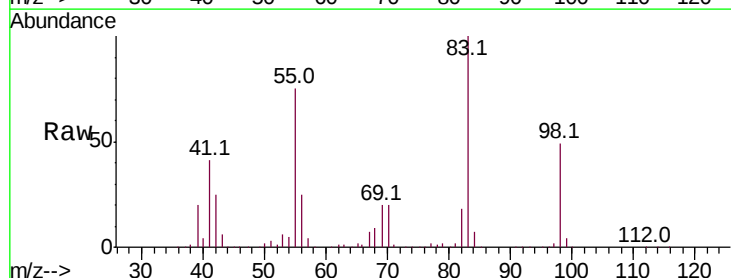


Abundance Ion 95.00 (94.70 to 95.70): VW
Ion 97.00 (96.70 to 97.70): VW
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V

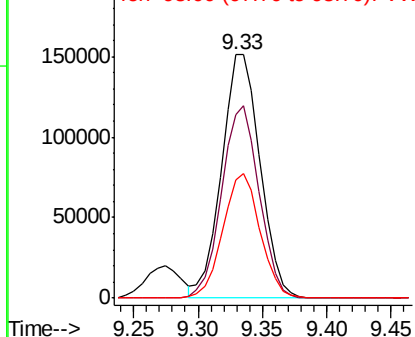
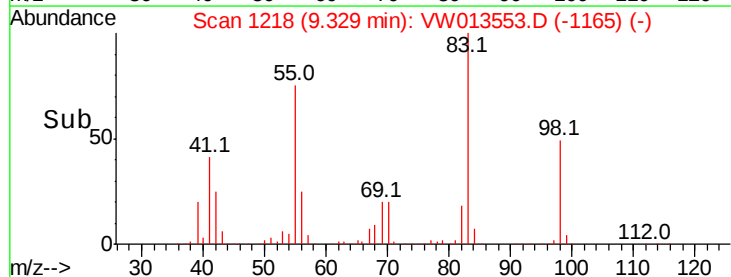


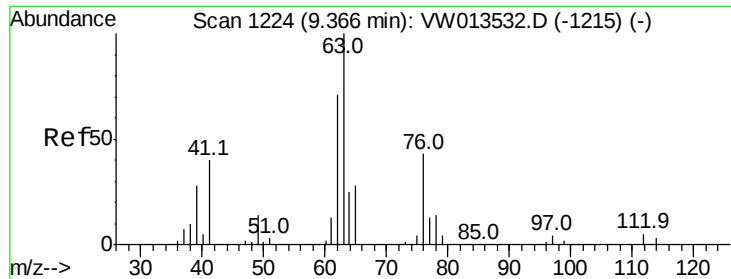
#36
Methylcyclohexane
Concen: 25.900 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Tgt Ion: 83 Resp: 316692
Ion Ratio Lower Upper
83 100
55 76.7 60.4 90.6
98 49.6 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

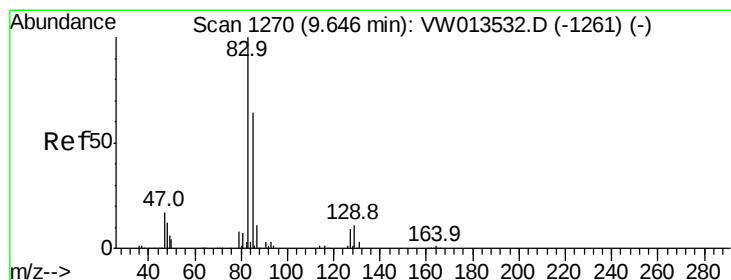
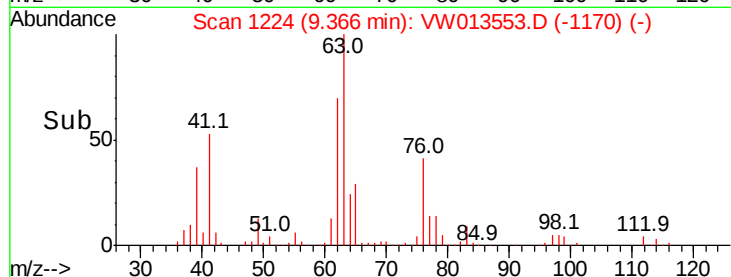
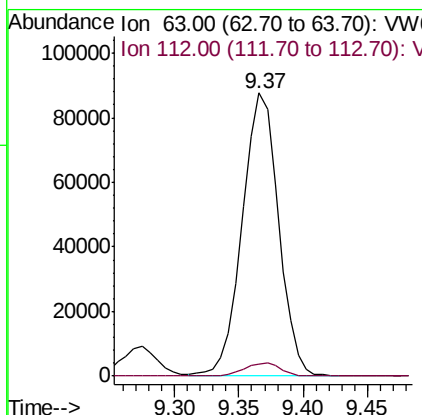
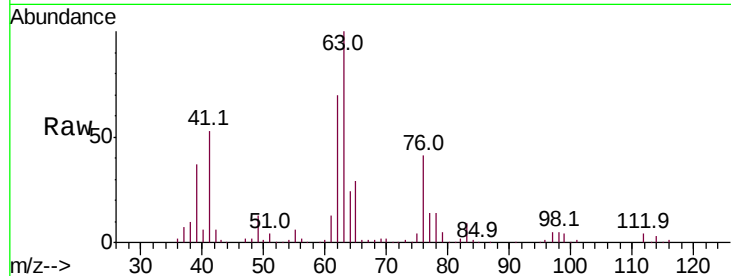




#40
 1,2-Dichloropropane
 Concen: 27.581 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

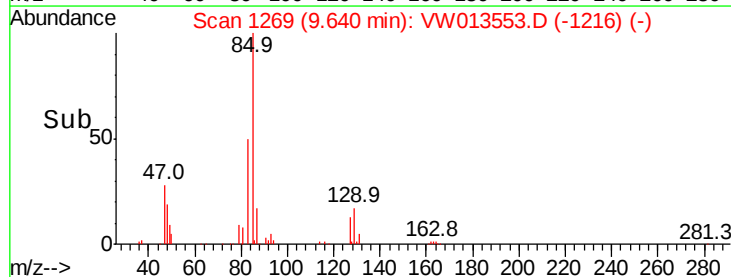
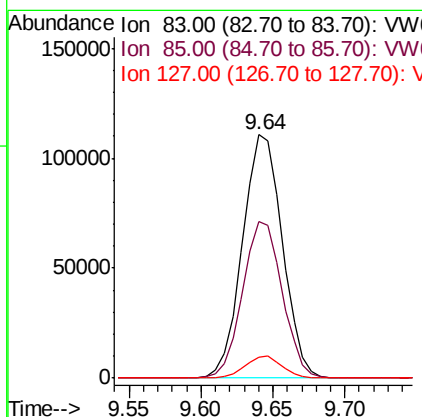
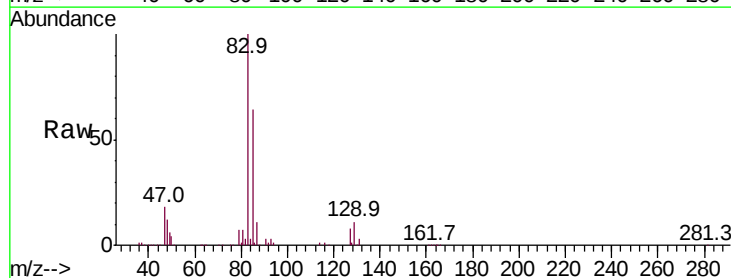
Instrument :
 MSVOA_W
 ClientSampled :

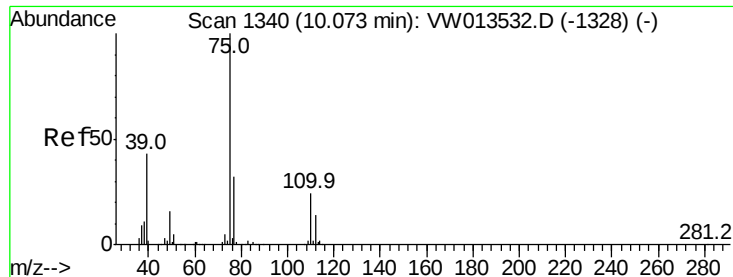
Tot Ion: 63 Resp: 171270
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 27.785 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Tgt Ion: 83 Resp: 211921
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.1 83.9
 127 8.5 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 27.622 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

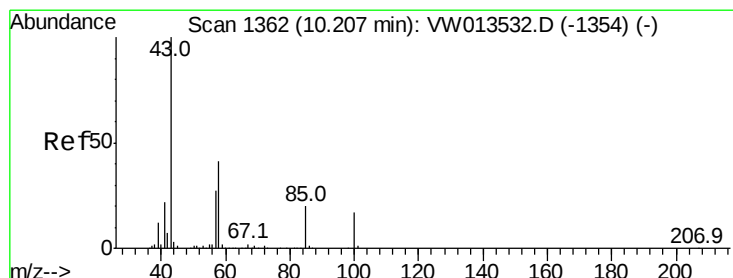
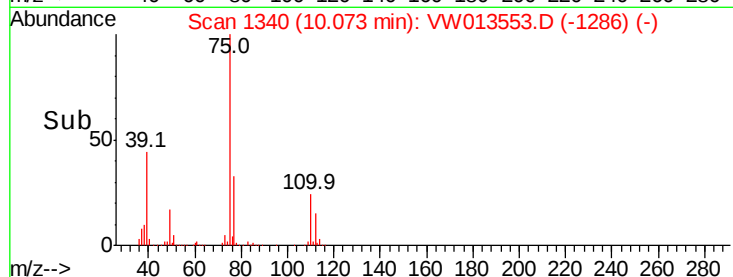
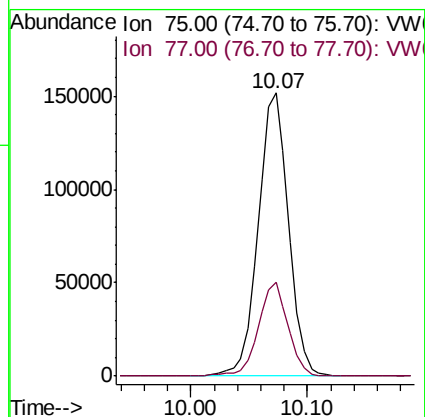
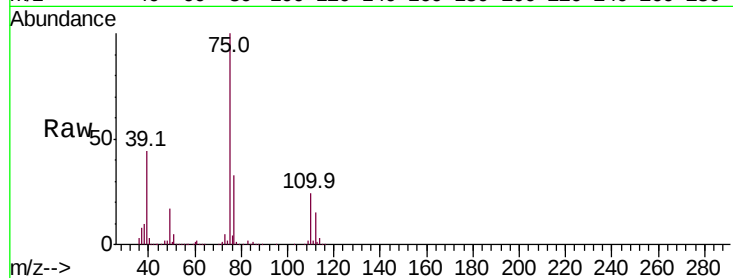
ClientSampleId :

Tot Ion: 75 Resp: 275169

Ion Ratio Lower Upper

75 100

77 33.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 57.524 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

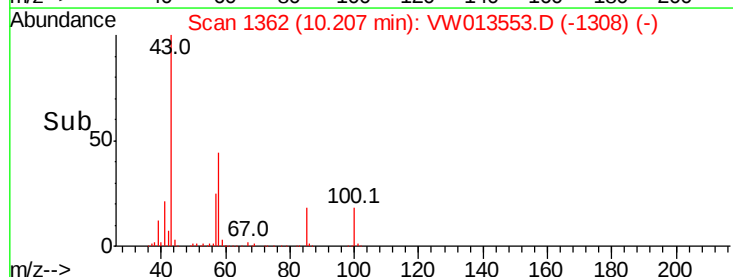
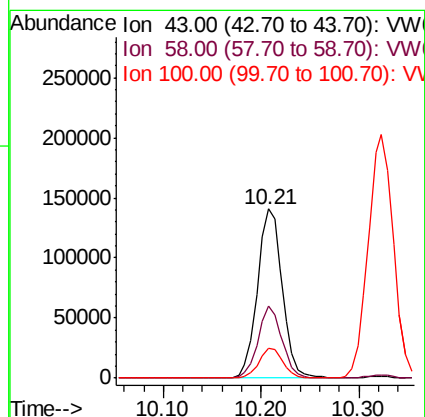
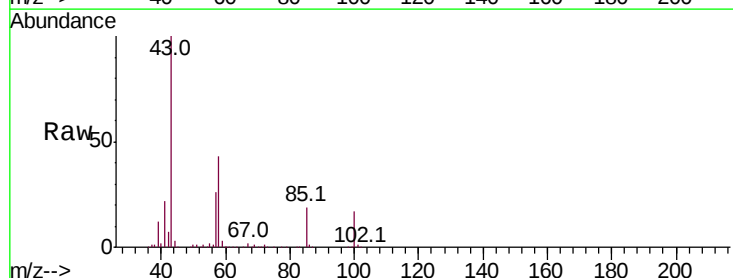
Tgt Ion: 43 Resp: 249236

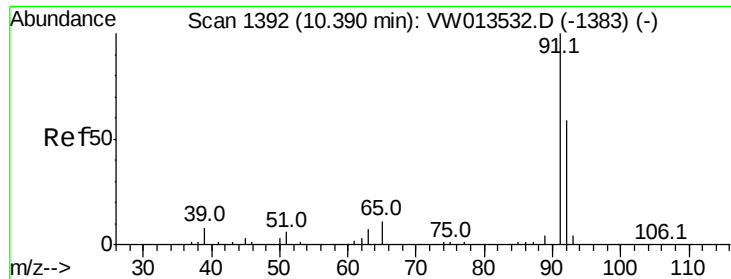
Ion Ratio Lower Upper

43 100

58 40.8 32.0 48.0

100 17.0 13.7 20.5





#44

Toluene

Concen: 27.227 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

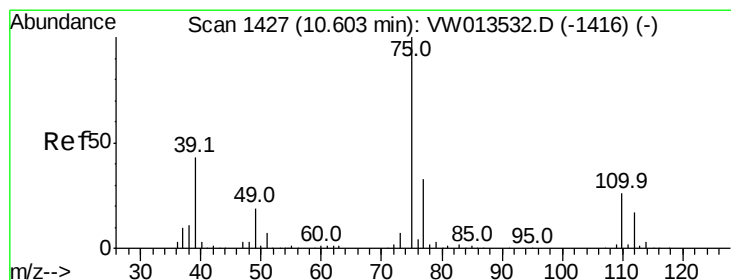
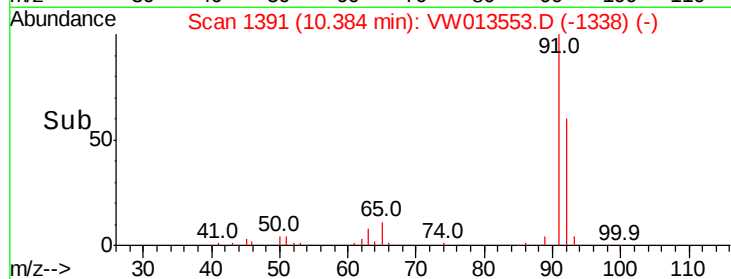
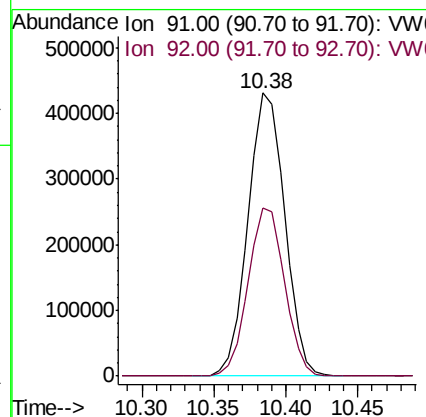
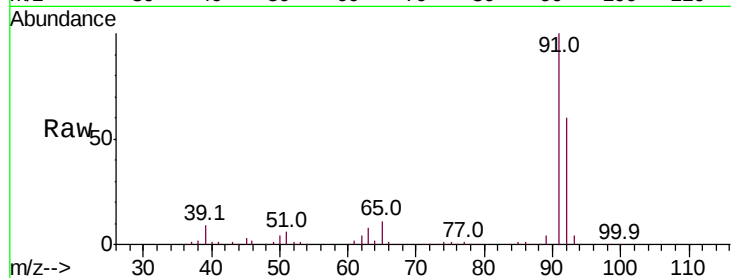
ClientSampled :

Tot Ion: 91 Resp: 760594

Ion Ratio Lower Upper

91 100

92 59.6 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 28.595 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013553.D

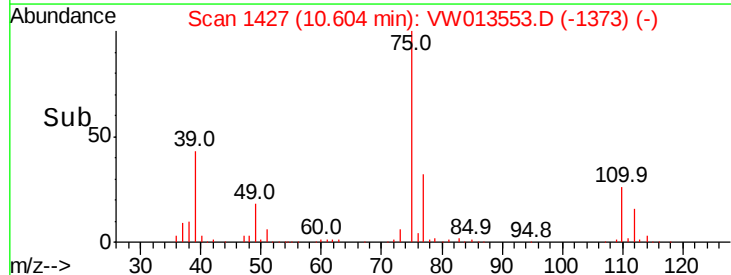
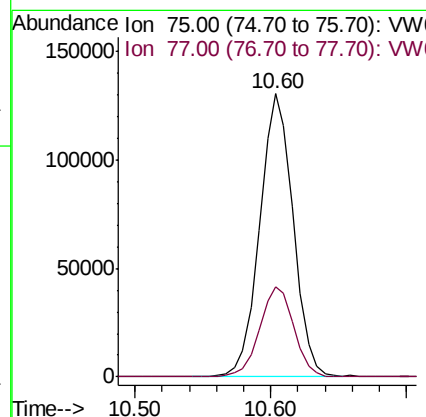
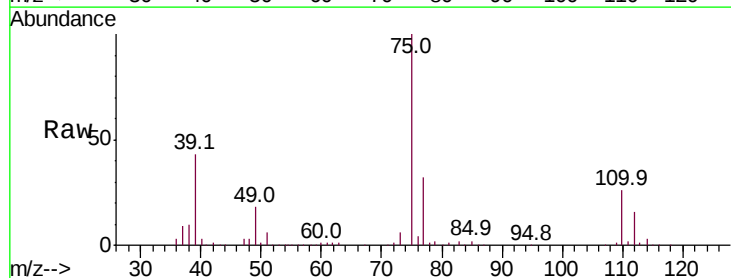
Acq: 14 Oct 2019 09:16

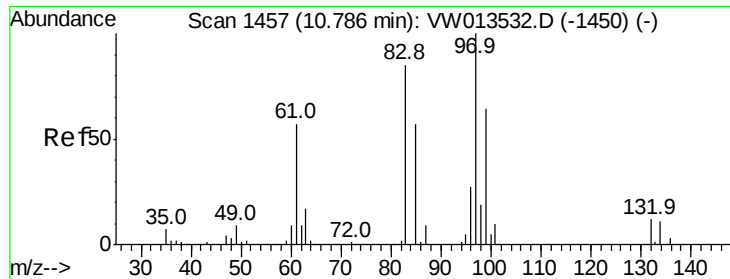
Tgt Ion: 75 Resp: 224936

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.6





#46

1,1,2-Trichloroethane

Concen: 28.036 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 132157

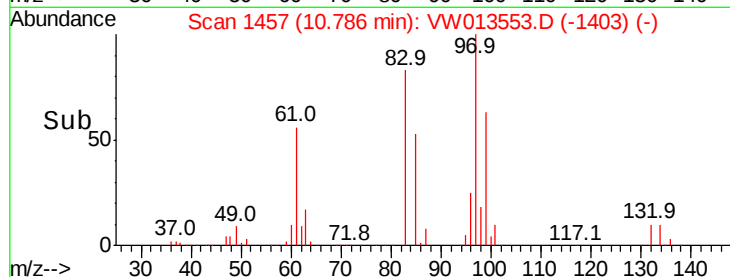
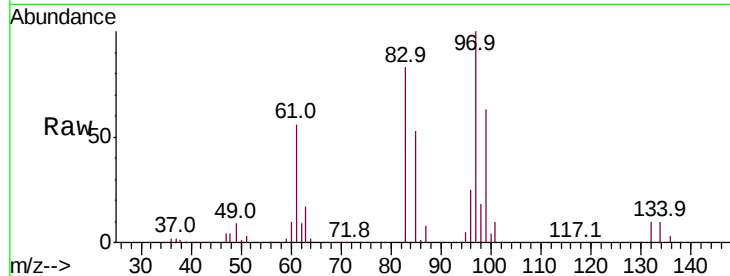
Ion	Ratio	Lower	Upper
97	100		
83	83.5	57.5	106.9
85	53.3	36.8	68.4
99	63.2	44.0	81.6

97 100

83 83.5 57.5 106.9

85 53.3 36.8 68.4

99 63.2 44.0 81.6



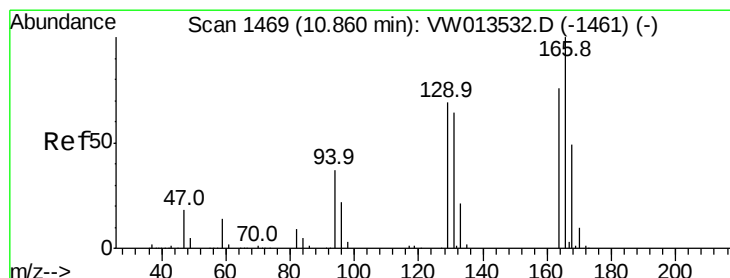
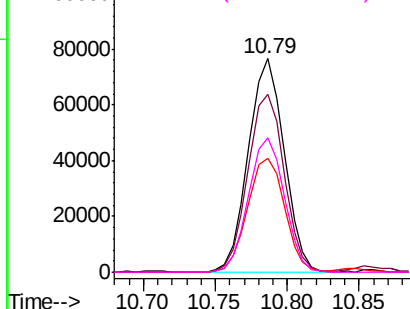
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.356 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Tgt Ion: 164 Resp: 161515

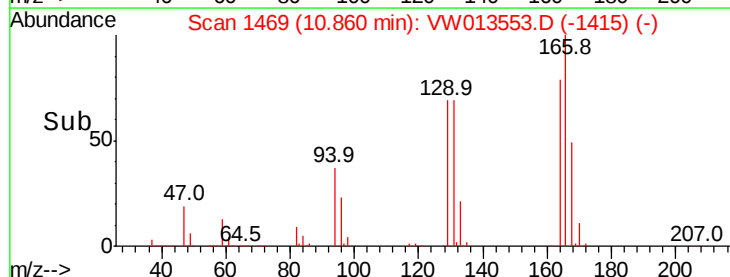
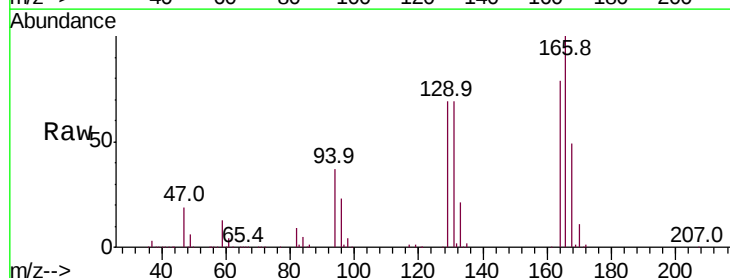
Ion	Ratio	Lower	Upper
164	100		
129	87.3	60.2	111.8
131	86.5	57.0	105.9
166	126.1	91.2	169.4

164 100

129 87.3 60.2 111.8

131 86.5 57.0 105.9

166 126.1 91.2 169.4



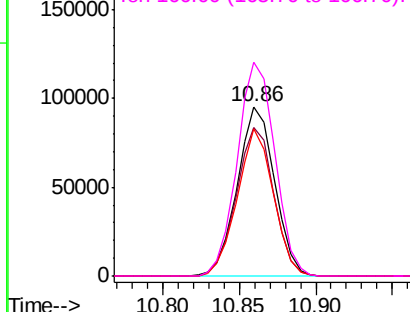
Abundance

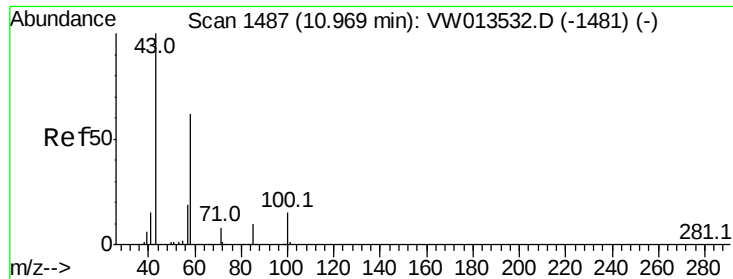
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

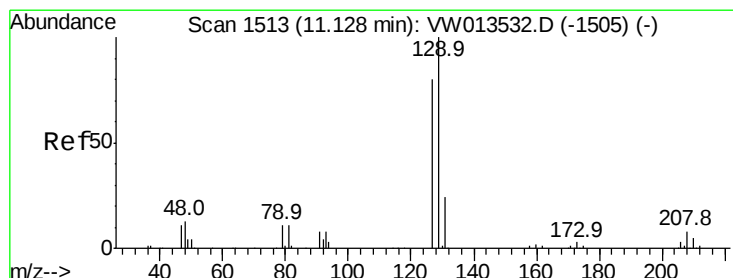
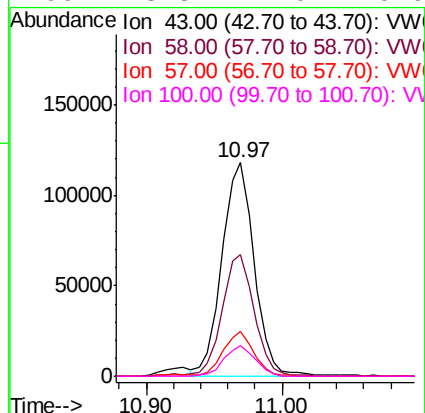
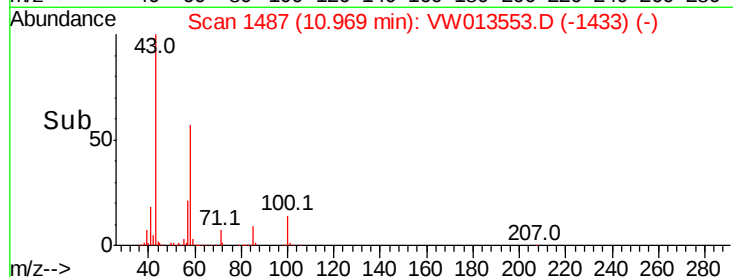
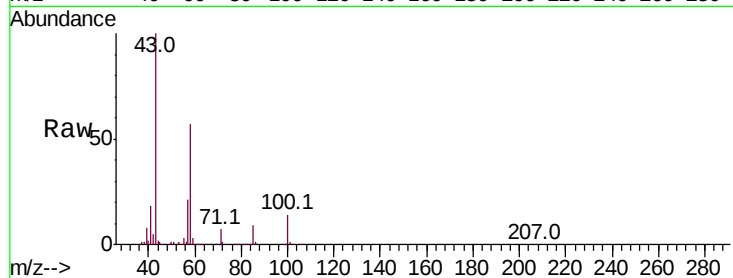




#49
2-Hexanone
Concen: 61.593 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

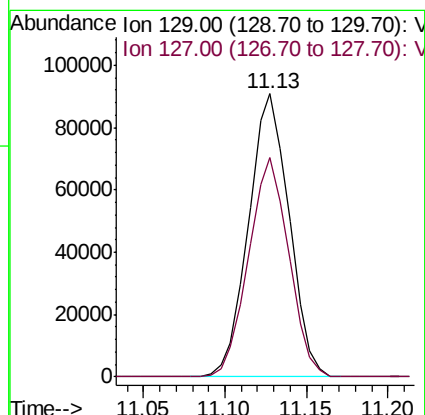
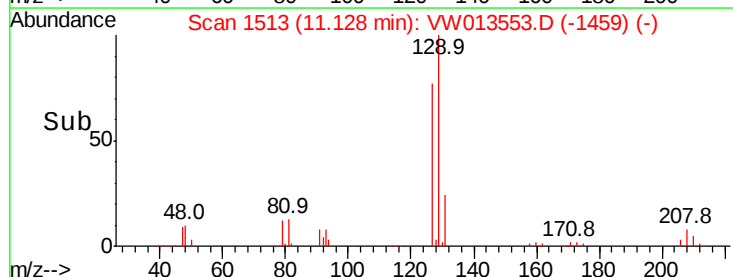
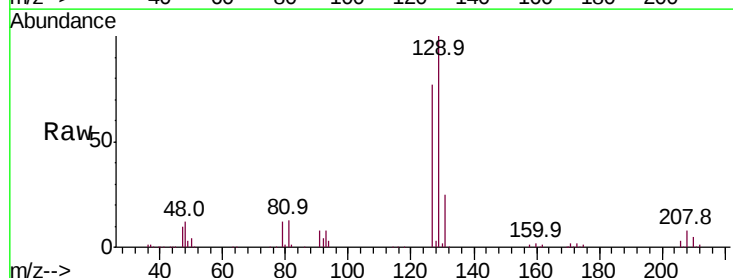
Instrument :
MSVOA_W
ClientSampleId :

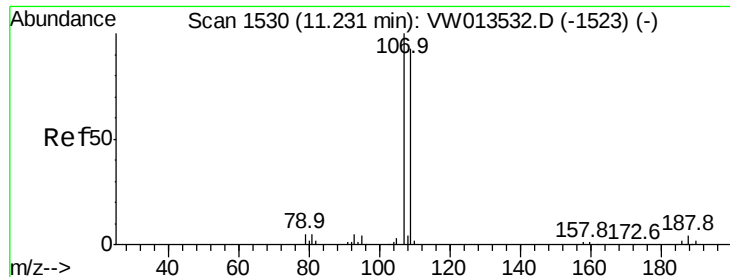
Tot Ion:	43	Resp:	193952
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.2	67.8
57	19.6	15.8	23.8
100	13.8	11.0	16.6



#50
Dibromochloromethane
Concen: 28.360 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Tgt Ion:	129	Resp:	157402
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.7	101.5

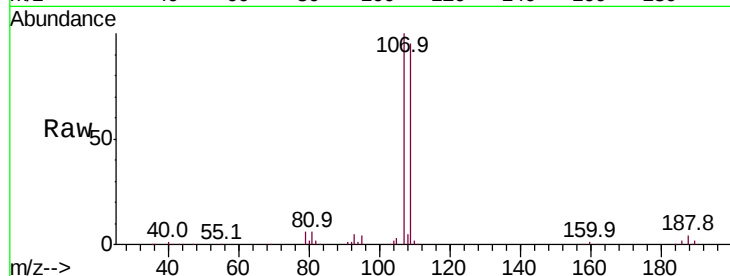




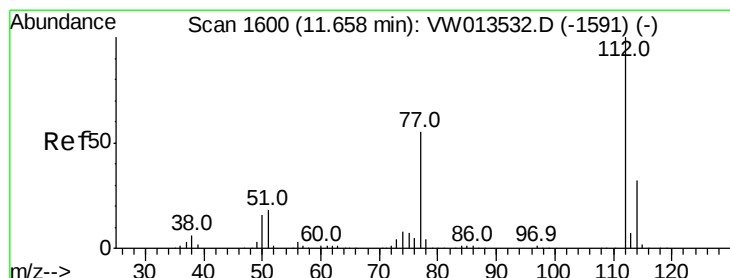
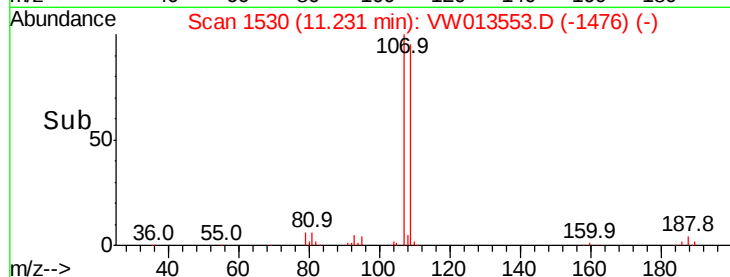
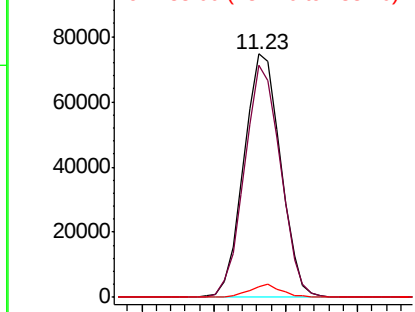
#51
1,2-Dibromoethane
Concen: 28.497 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:107 Resp: 131954
Ion Ratio Lower Upper
107 100
109 95.3 65.5 121.7
188 4.3 3.6 5.4

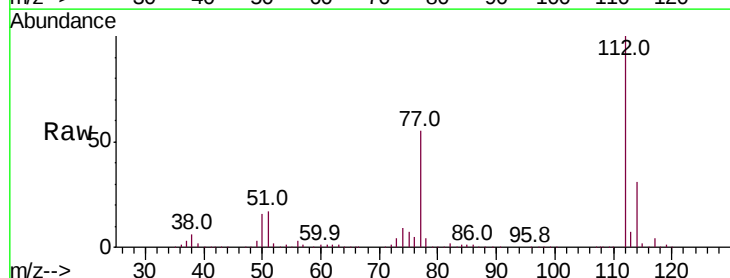


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

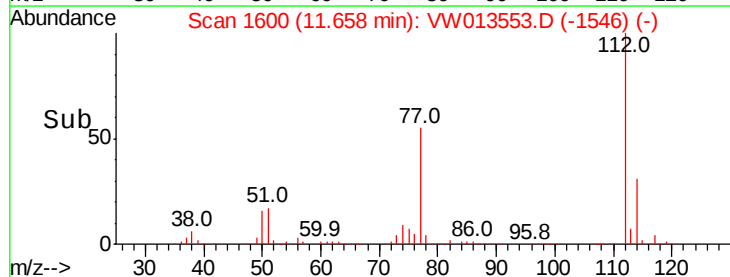
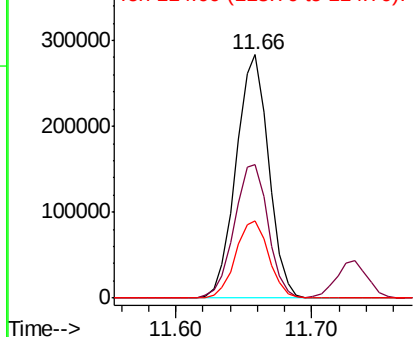


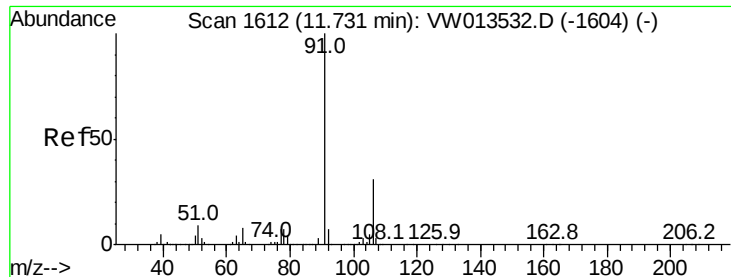
#52
Chlorobenzene
Concen: 26.702 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Tgt Ion:112 Resp: 473428
Ion Ratio Lower Upper
112 100
77 55.1 44.5 66.7
114 31.5 22.7 42.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.964 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

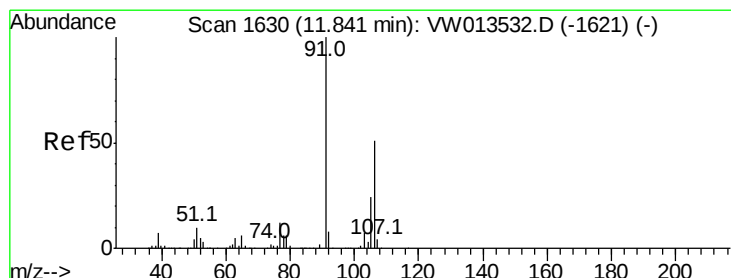
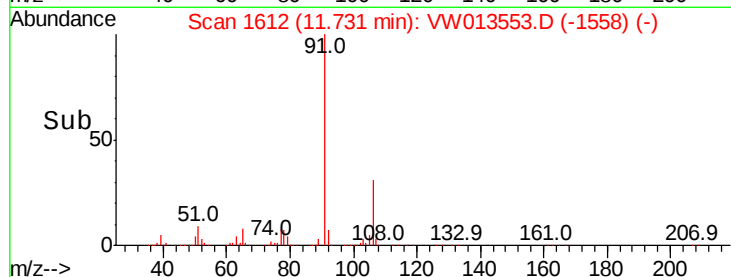
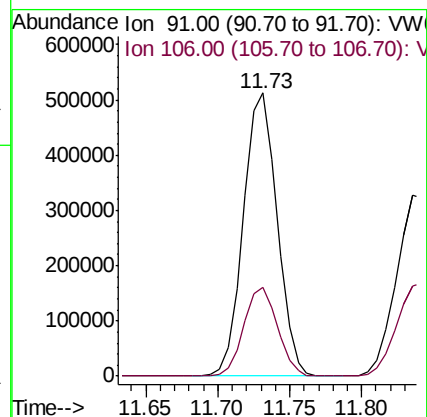
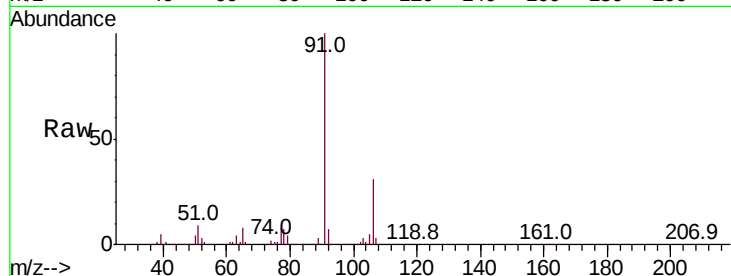
ClientSampleId :

Tot Ion: 91 Resp: 833798

Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



#54

m,p-Xylene

Concen: 26.626 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013553.D

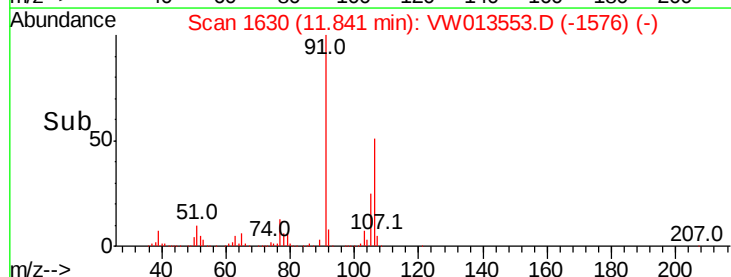
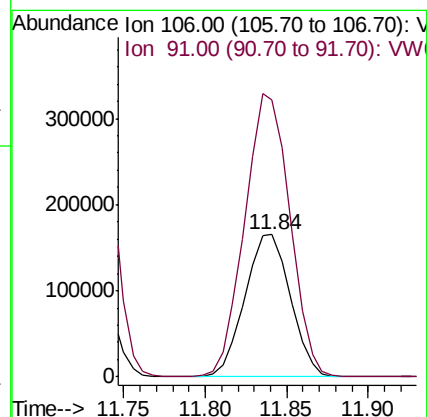
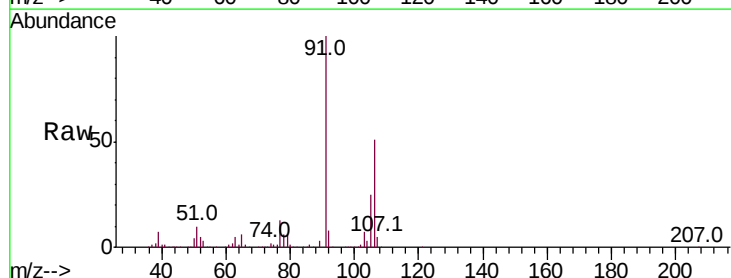
Acq: 14 Oct 2019 09:16

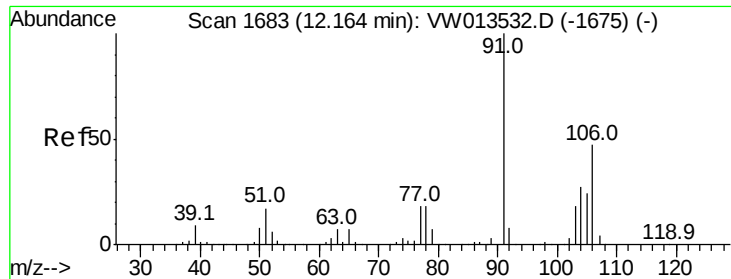
Tgt Ion: 106 Resp: 321190

Ion Ratio Lower Upper

106 100

91 194.7 139.4 258.8





#55

o-xylene

Concen: 26.738 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

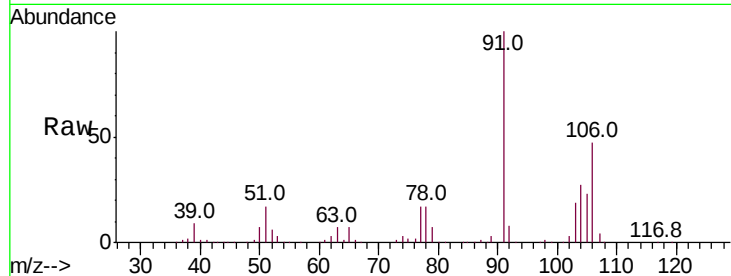
ClientSampled :

Tot Ion:106 Resp: 301076

Ion Ratio Lower Upper

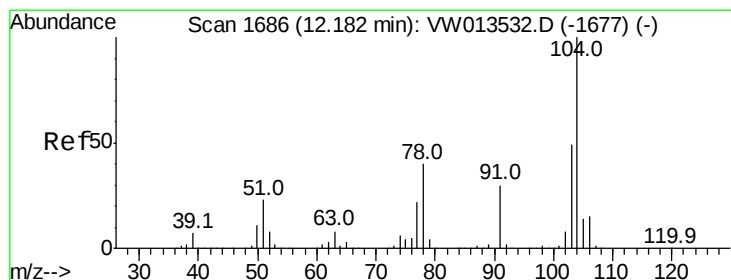
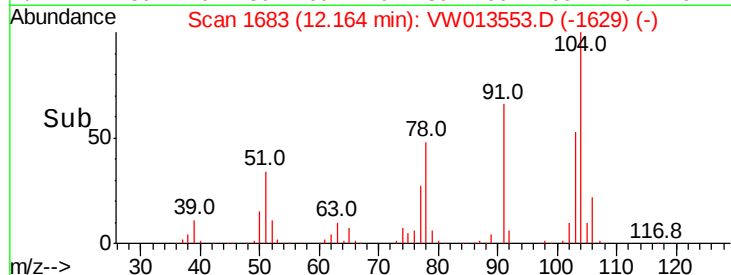
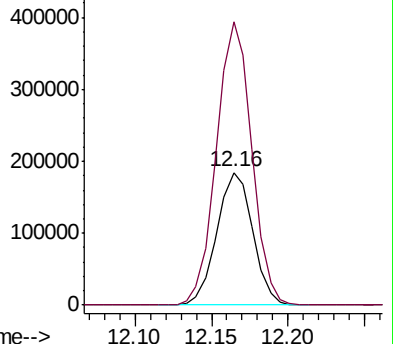
106 100

91 213.0 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.108 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013553.D

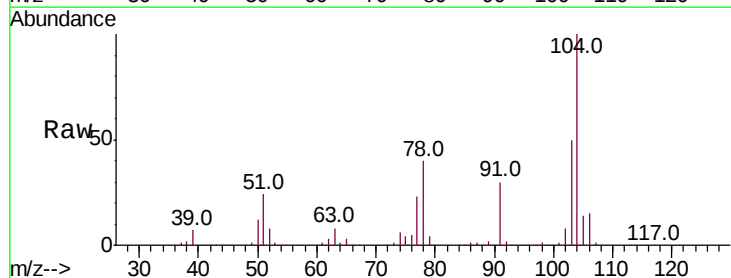
Acq: 14 Oct 2019 09:16

Tgt Ion:104 Resp: 519851

Ion Ratio Lower Upper

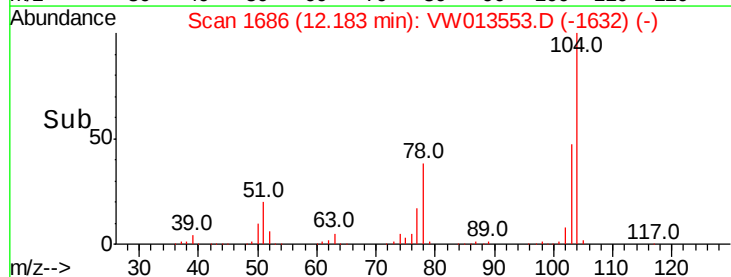
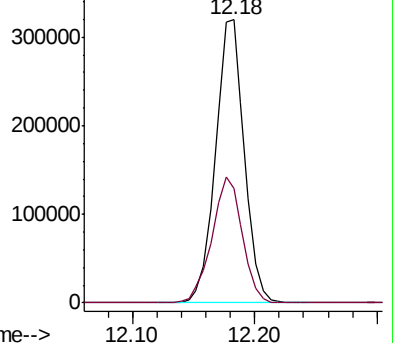
104 100

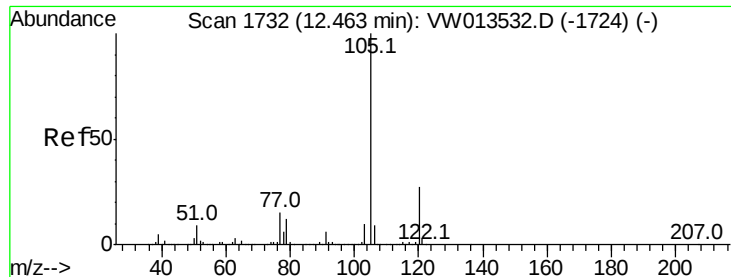
78 40.3 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.677 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

ClientSampleId :

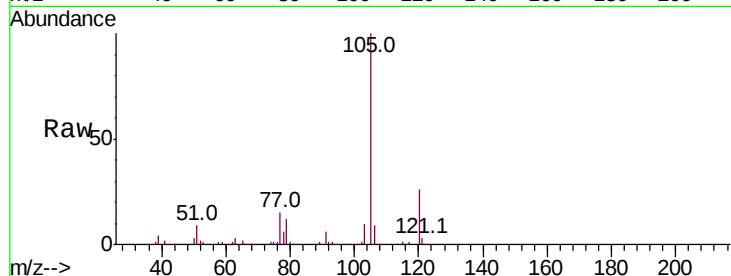
Tot Ion:105 Resp: 814881

Ion Ratio Lower Upper

105 100

120 26.7 21.7 32.5

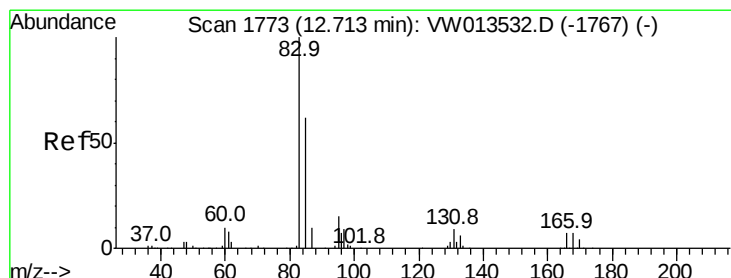
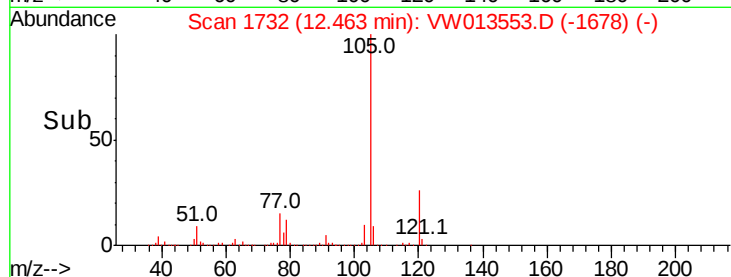
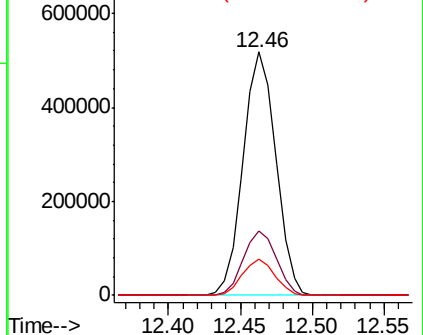
77 14.7 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.155 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

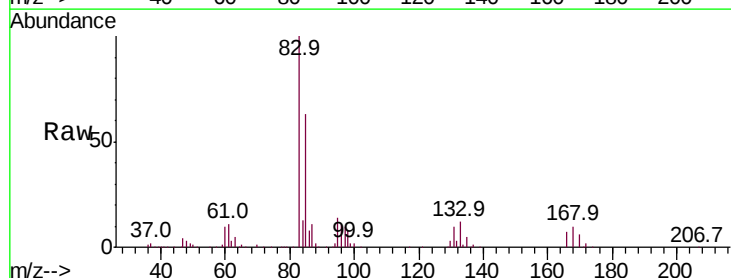
Tgt Ion: 83 Resp: 162374

Ion Ratio Lower Upper

83 100

85 63.0 44.7 83.1

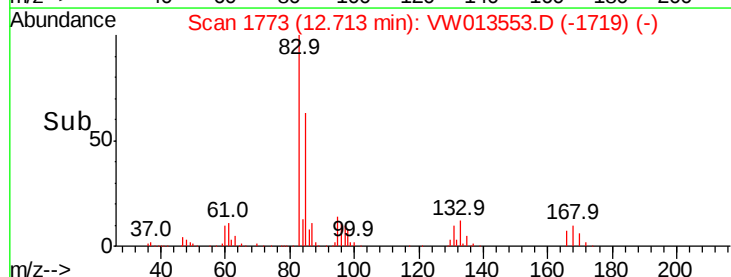
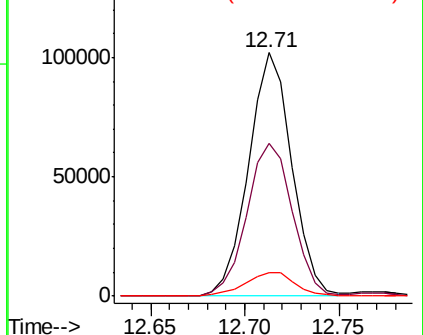
131 9.8 7.8 11.6

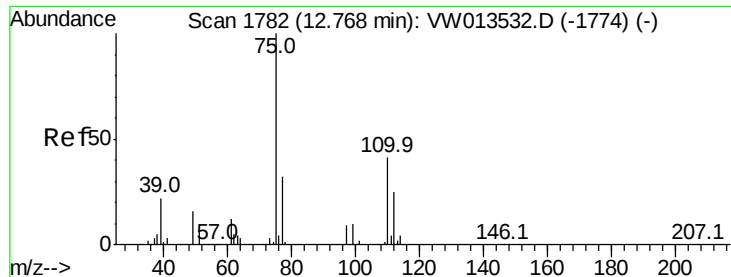


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

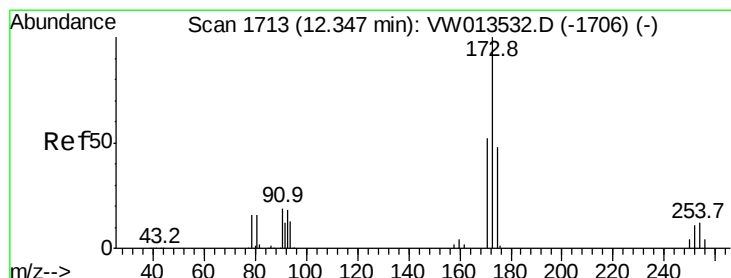
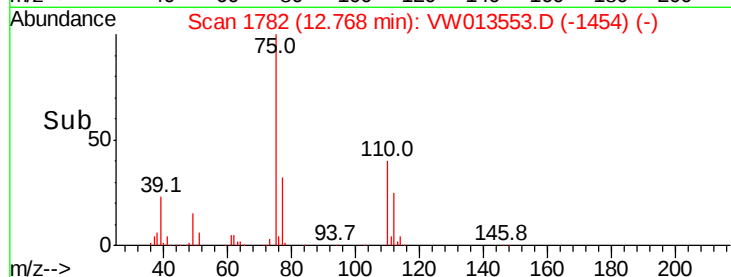
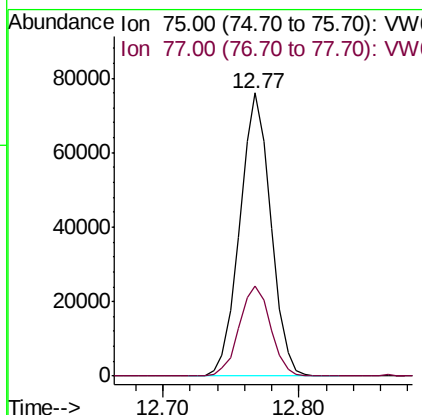
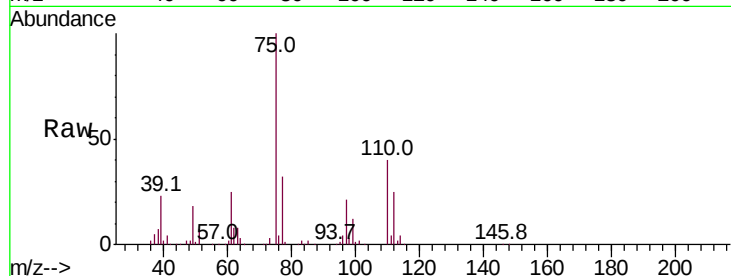




#59
 1,2,3-Trichloropropane
 Concen: 29.090 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

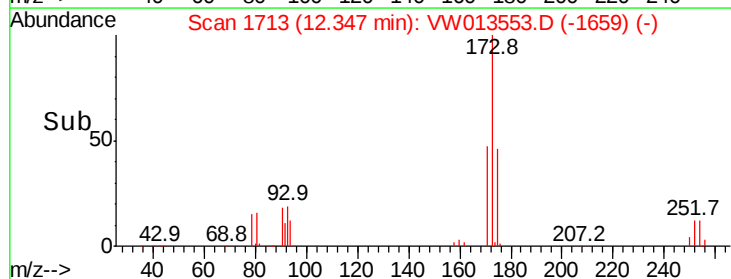
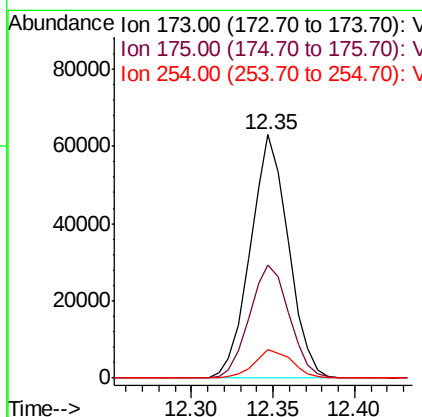
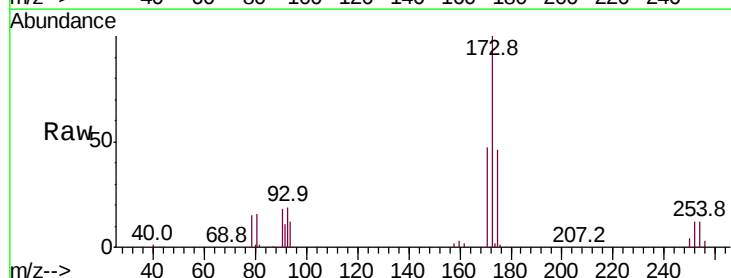
Instrument :
 MSVOA_W
 ClientSampleId :

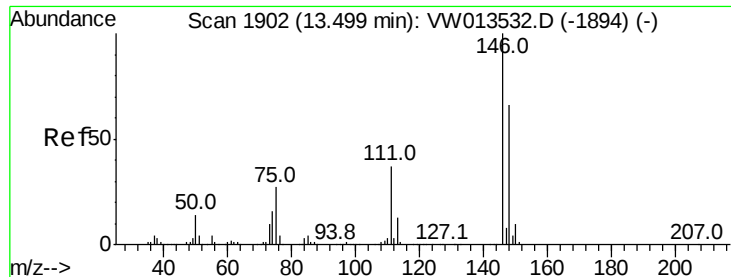
Tot Ion: 75 Resp: 120974
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3



#62
 Bromoform
 Concen: 29.828 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Tgt Ion: 173 Resp: 102115
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.6
 254 11.9 10.1 15.1

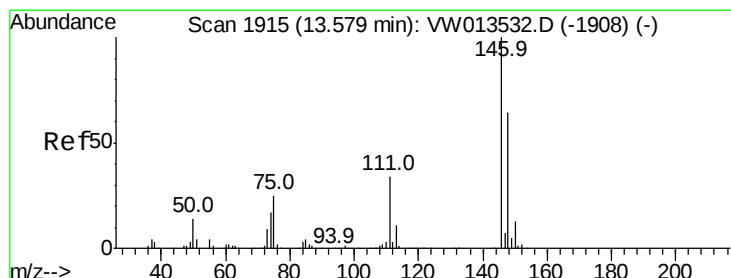
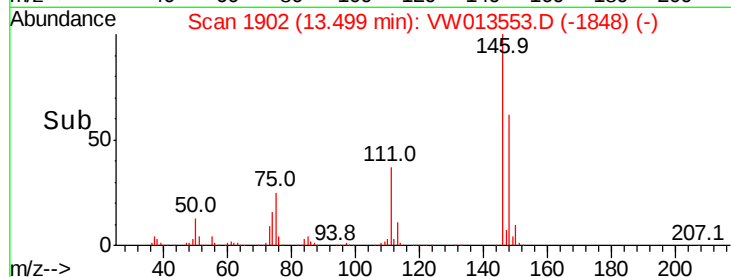
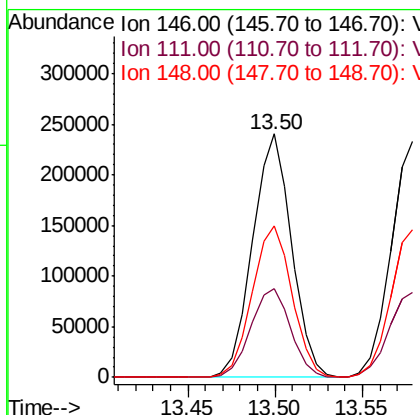
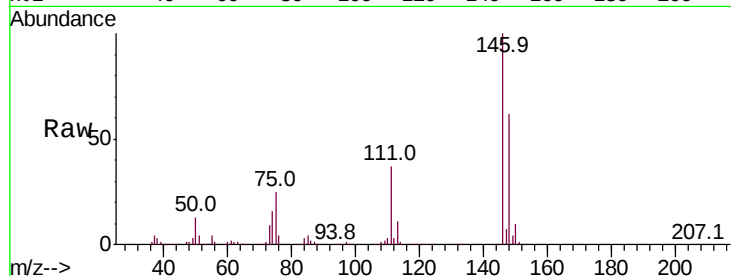




#63
 1,3-Dichlorobenzene
 Concen: 26.343 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

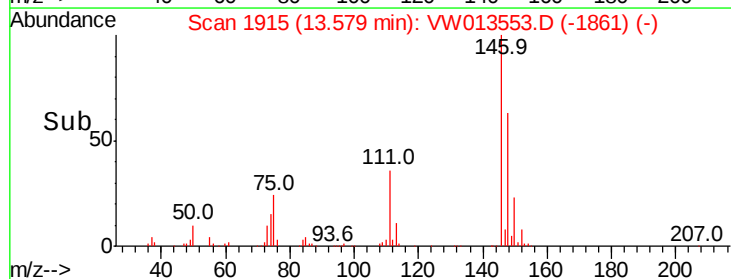
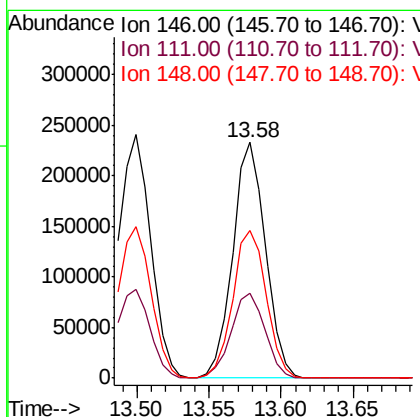
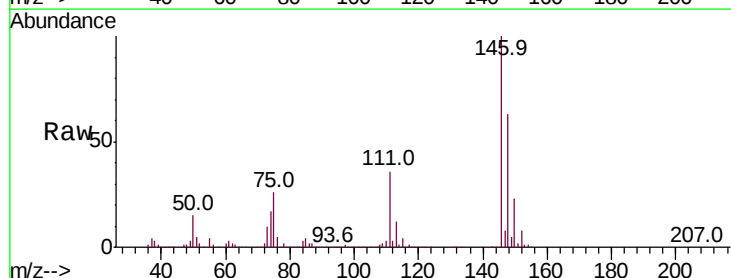
Instrument :
 MSVOA_W
 ClientSampleId :

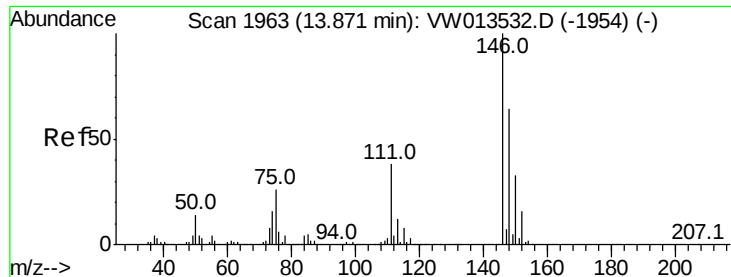
Tot Ion:146 Resp: 375729
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.3 46.9
 148 62.5 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 26.037 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Tgt Ion:146 Resp: 369659
 Ion Ratio Lower Upper
 146 100
 111 36.2 25.8 47.8
 148 62.6 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 26.290 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

Instrument :

MSVOA_W

ClientSampled :

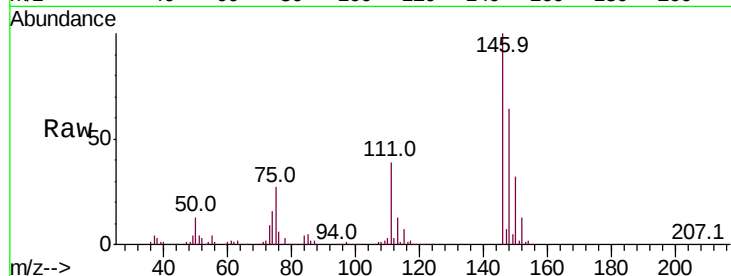
Tot Ion:146 Resp: 337151

Ion Ratio Lower Upper

146 100

111 39.1 31.0 46.4

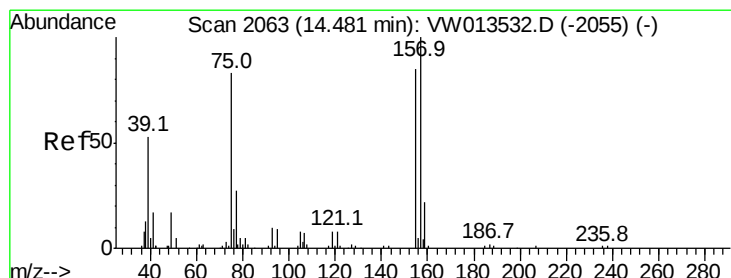
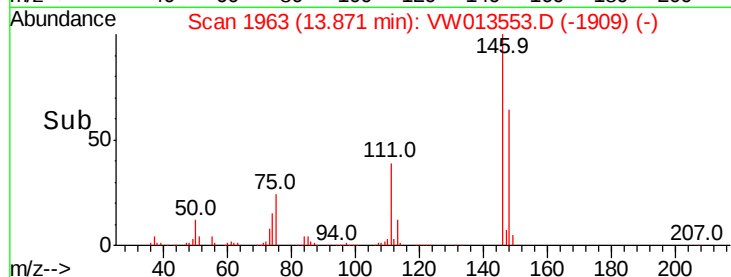
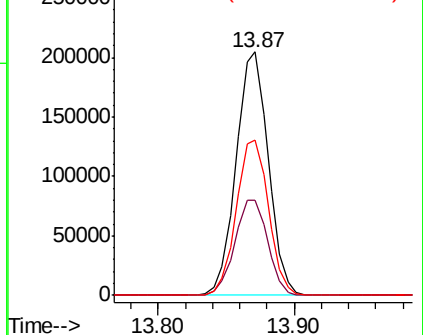
148 63.9 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.206 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013553.D

Acq: 14 Oct 2019 09:16

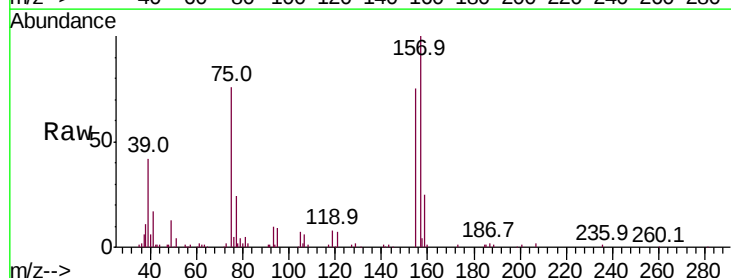
Tgt Ion: 75 Resp: 25857

Ion Ratio Lower Upper

75 100

157 131.7 102.0 153.0

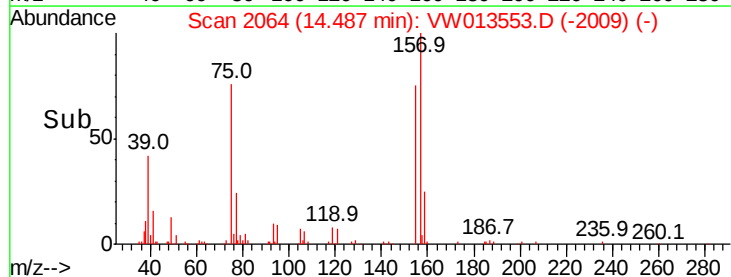
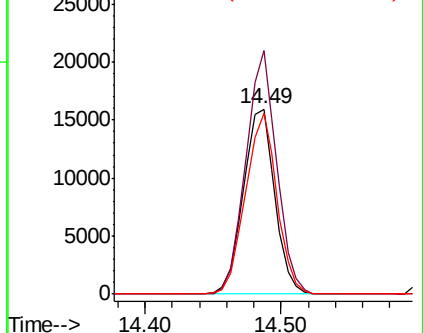
155 98.1 77.6 116.4

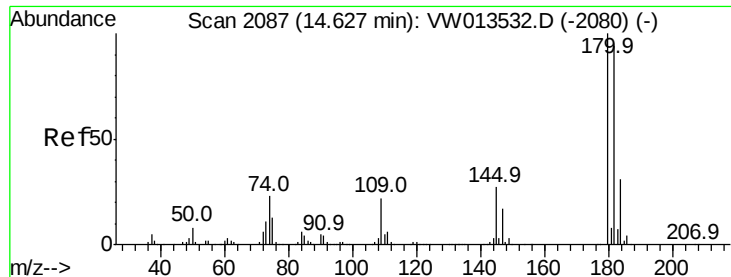


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

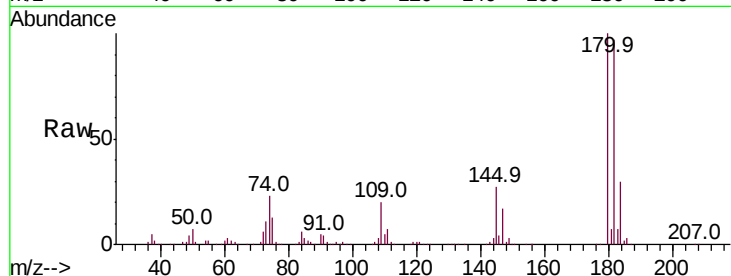




#67
 1,3,5-Trichlorobenzene
 Concen: 25.540 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
184	30.4	24.7	37.1
145	27.1	22.2	33.2



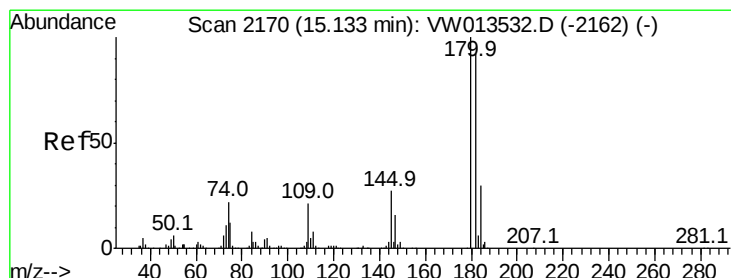
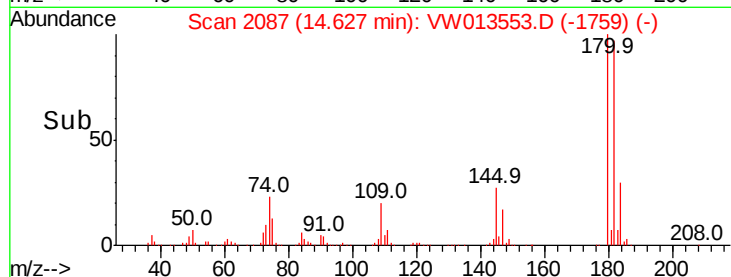
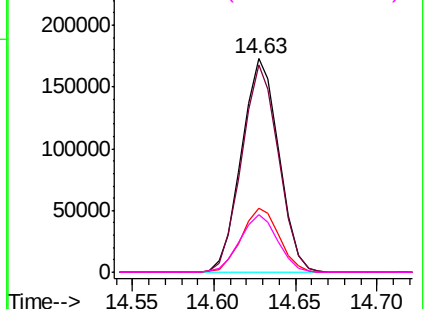
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

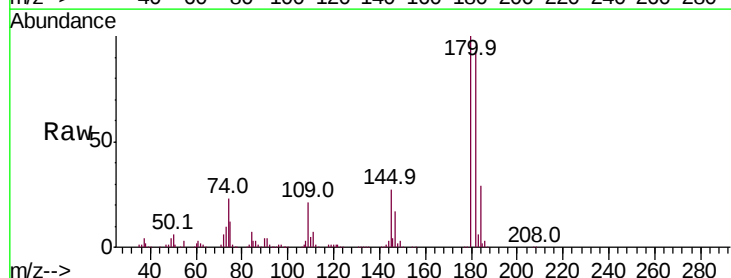
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.852 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013553.D
 Acq: 14 Oct 2019 09:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	78.2	117.2
145	27.4	22.8	34.2

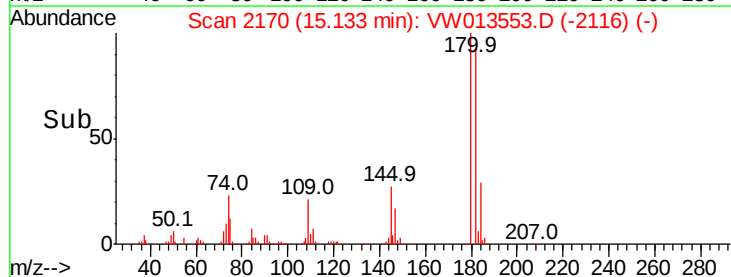
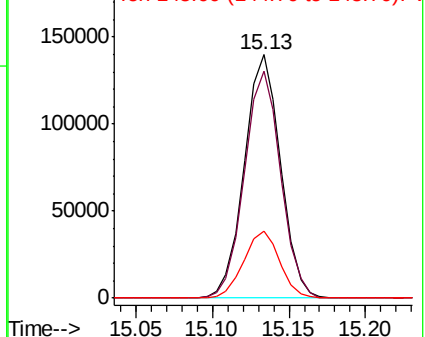


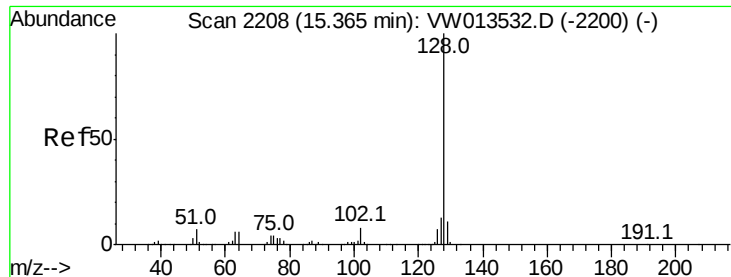
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

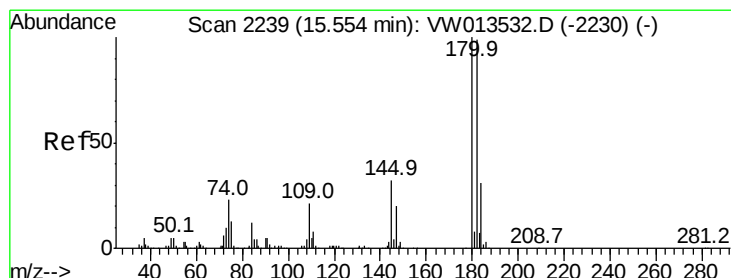
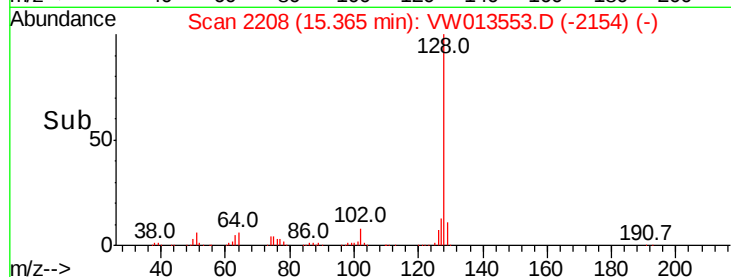
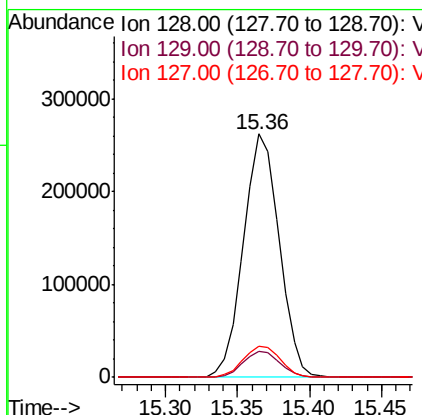
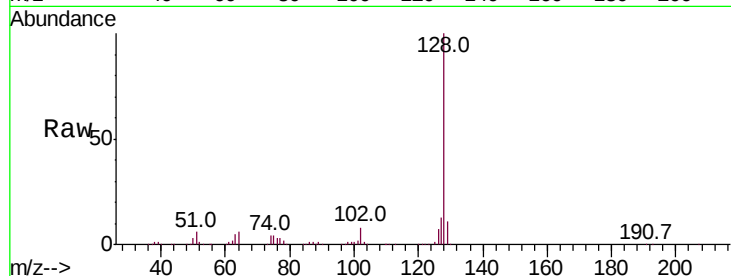




#69
Naphthalene
Concen: 27.761 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.5	12.7
127	13.1	10.4	15.6



#70
1,2,3-Trichlorobenzene
Concen: 25.715 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013553.D
Acq: 14 Oct 2019 09:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.0	114.0
145	29.3	23.1	34.7

