

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122719\
 Data File : VW014480.D
 Acq On : 27 Dec 2019 21:39
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 28 03:19:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 27 20:56:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1133679	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1021907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	485745	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	390918	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.84%
7) Chloroethane-d5	2.89	69	311237	26.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.72%
10) 1,1-Dichloroethene-d2	4.02	63	750159	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.64%
20) 2-Butanone-d5	7.07	46	235009	61.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.60%
24) Chloroform-d	7.64	84	729000	27.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	8.30	65	384350	28.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.60%
29) Benzene-d6	8.27	84	1531829	28.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.76%
33) 1,2-Dichloropropane-d6	9.27	67	473242	28.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.84%
37) Toluene-d8	10.32	98	1400132	28.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.68%
38) trans-1,3-Dichloropropene-	10.57	79	198253	29.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.52%
39) 2-Hexanone-d5	10.92	63	182275	65.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	370887	30.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.92%#
61) 1,2-Dichlorobenzene-d4	13.85	152	451765	28.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	255210	25.165	ug/L 96
3) Chloromethane	2.21	50	260348	22.707	ug/L 99
5) Vinyl chloride	2.36	62	403647	24.743	ug/L 99
6) Bromomethane	2.78	94	241194	25.319	ug/L 99
8) Chloroethane	2.92	64	232741	25.513	ug/L 100
9) Trichlorofluoromethane	3.25	101	199760	23.150	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	370431	25.007	ug/L 98
12) 1,1-Dichloroethene	4.04	96	370182	25.520	ug/L 86
13) Acetone	4.12	43	212293	40.320	ug/L 98
14) Carbon disulfide	4.39	76	1129905	25.229	ug/L 97
15) Methyl Acetate	4.67	43	202004	28.432	ug/L 100
16) Methylene chloride	4.91	84	418082	22.616	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	514271	27.544	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	389065	25.461	ug/L 97
19) 1,1-Dichloroethane	6.21	63	713450	25.829	ug/L 99
21) 2-Butanone	7.17	43	285194	50.485	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	422193	26.249	ug/L 99

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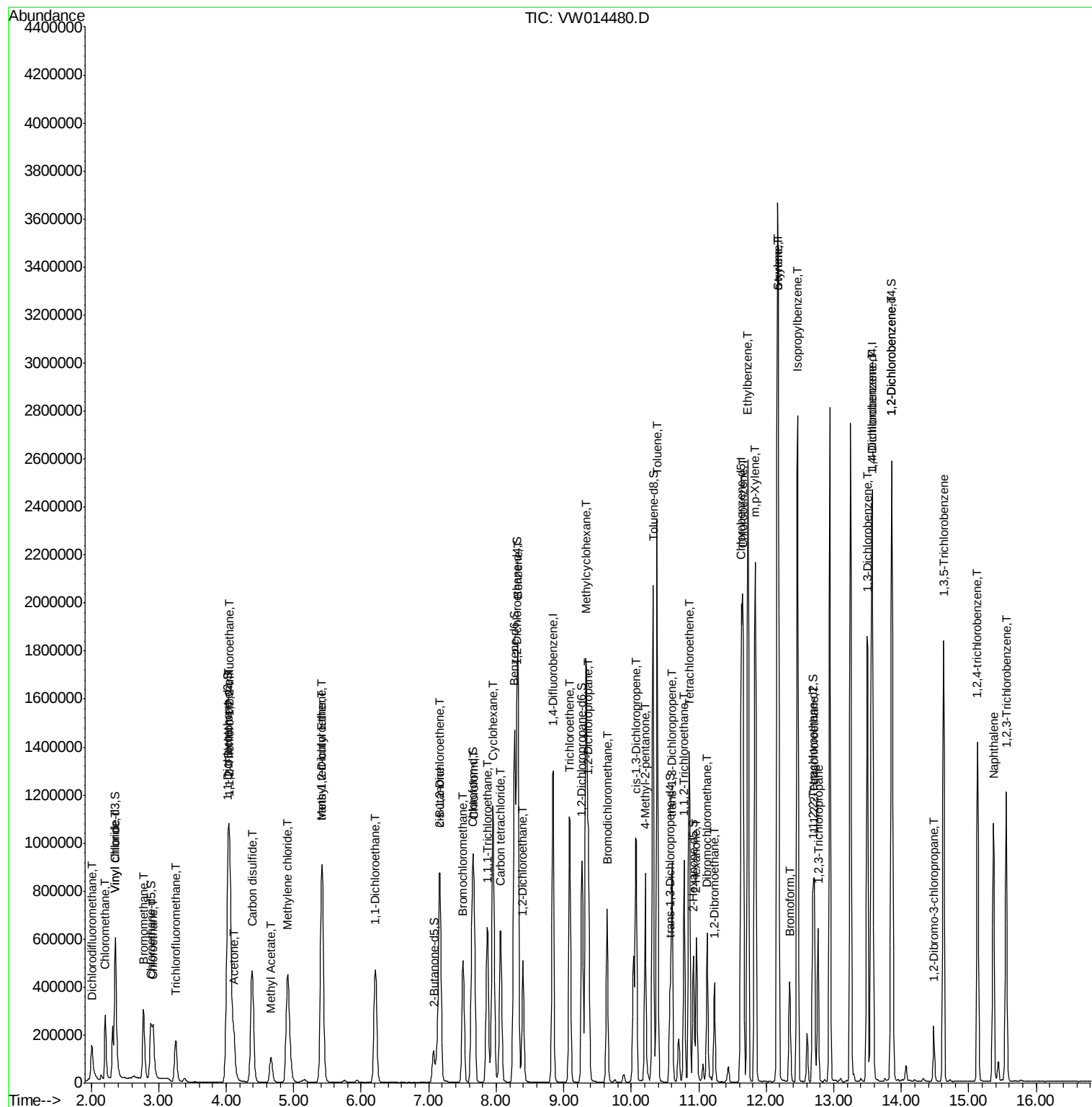
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	185904	26.699	ug/L	98
25) Chloroform	7.67	83	693153	26.236	ug/L	100
27) 1,2-Dichloroethane	8.40	62	452575	26.388	ug/L	99
30) Cyclohexane	7.95	56	688098	26.323	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	538070	25.668	ug/L	99
32) Carbon tetrachloride	8.07	117	500370	25.620	ug/L	99
34) Benzene	8.32	78	1628240	26.477	ug/L	100
35) Trichloroethene	9.09	95	405695	25.561	ug/L	99
36) Methylcyclohexane	9.33	83	731317	26.264	ug/L	99
40) 1,2-Dichloropropane	9.37	63	407740	26.196	ug/L	100
41) Bromodichloromethane	9.64	83	494113	26.391	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	626289	26.936	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	570128	57.058	ug/L	99
44) Toluene	10.38	91	1717671	26.728	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	506568	27.247	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	295917	26.840	ug/L	99
47) Tetrachloroethene	10.86	164	333961	25.059	ug/L	97
49) 2-Hexanone	10.96	43	381957	55.979	ug/L	99
50) Dibromochloromethane	11.13	129	337752	26.980	ug/L	94
51) 1,2-Dibromoethane	11.23	107	284557	27.342	ug/L	98
52) Chlorobenzene	11.65	112	1050381	25.856	ug/L	99
53) Ethylbenzene	11.73	91	1872152	26.495	ug/L	99
54) m,p-Xylene	11.84	106	705743	26.393	ug/L	97
55) o-xylene	12.16	106	673875	26.681	ug/L	98
56) Styrene	12.18	104	1158143	27.244	ug/L	98
57) Isopropylbenzene	12.46	105	1797959	26.762	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	368725	27.545	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	274801	27.404	ug/L	100
62) Bromoform	12.35	173	198068	27.287	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	808576	26.293	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	806706	26.015	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	743452	26.967	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	58893	28.848	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	607567	26.670	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	474078	27.761	ug/L	99
69) Naphthalene	15.36	128	928320	31.487	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	430644	27.828	ug/L	99

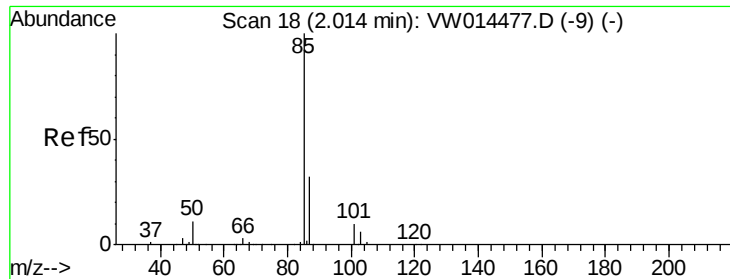
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.165 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

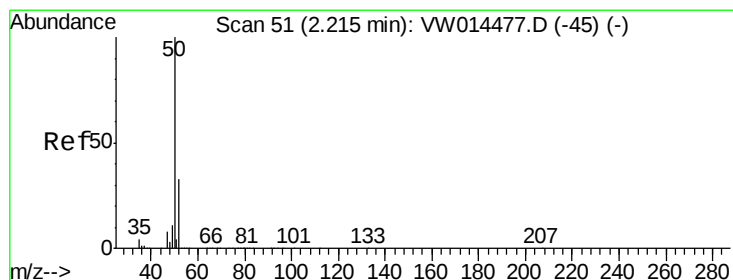
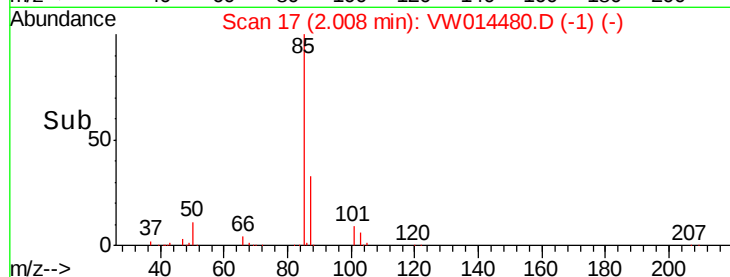
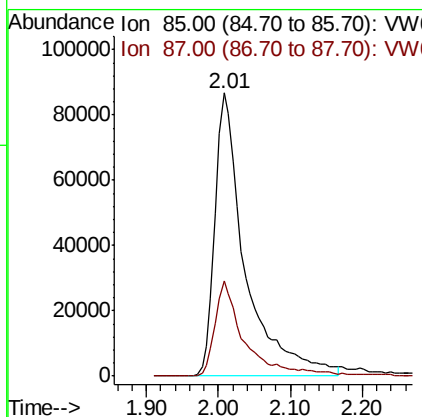
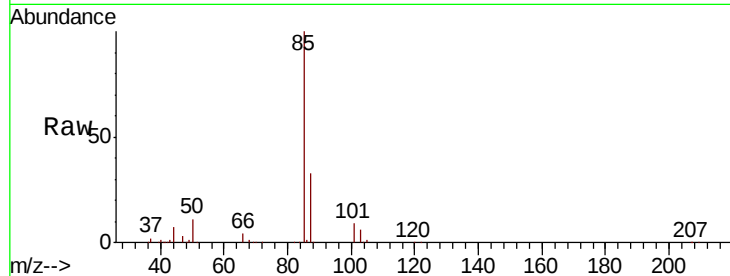
ClientSampleId :

Tot Ion: 85 Resp: 255210

Ion Ratio Lower Upper

85 100

87 28.5 21.5 39.9



#3

Chloromethane

Concen: 22.707 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014480.D

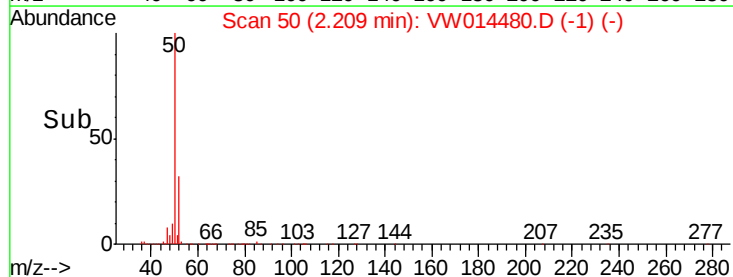
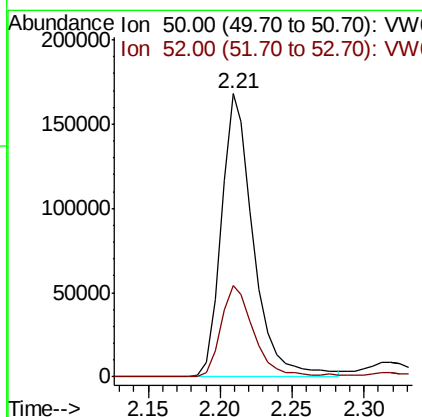
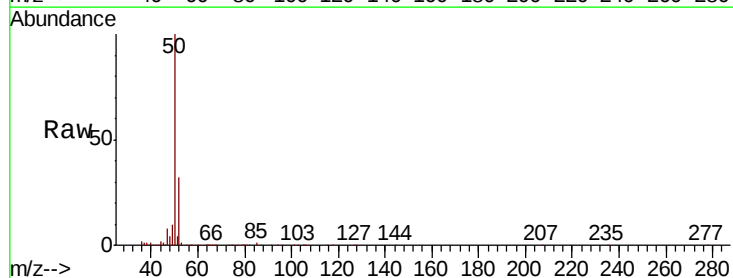
Acq: 27 Dec 2019 21:39

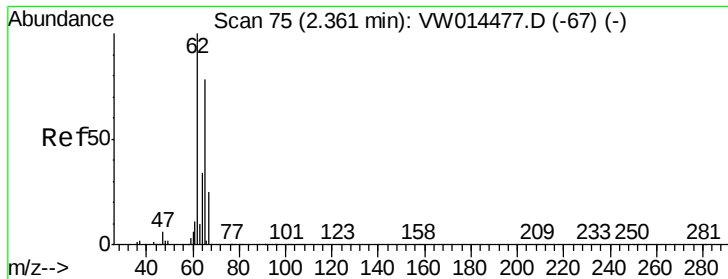
Tgt Ion: 50 Resp: 260348

Ion Ratio Lower Upper

50 100

52 32.2 23.0 42.8





#5

Vinyl chloride

Concen: 24.743 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

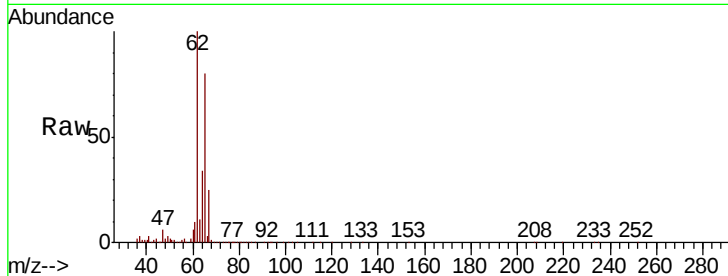
ClientSampled :

Tot Ion: 62 Resp: 403647

Ion Ratio Lower Upper

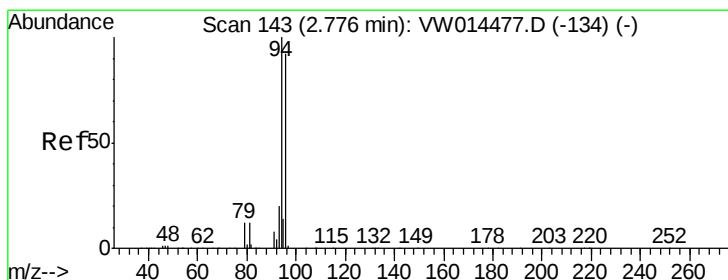
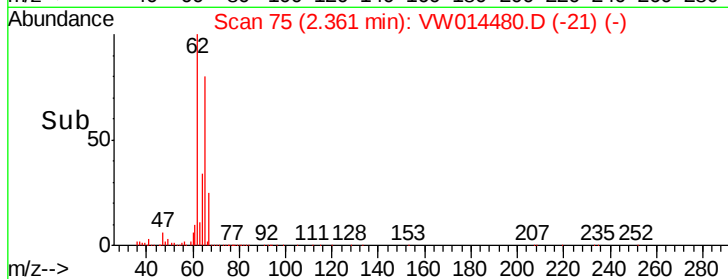
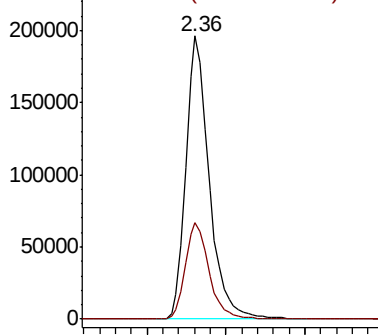
62 100

64 34.2 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.319 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014480.D

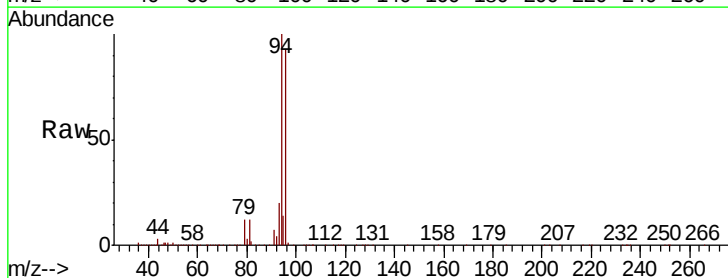
Acq: 27 Dec 2019 21:39

Tgt Ion: 94 Resp: 241194

Ion Ratio Lower Upper

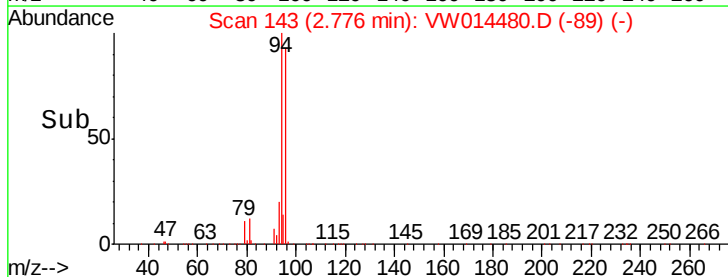
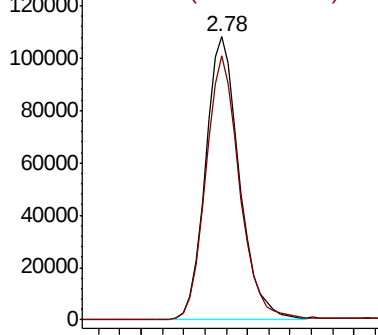
94 100

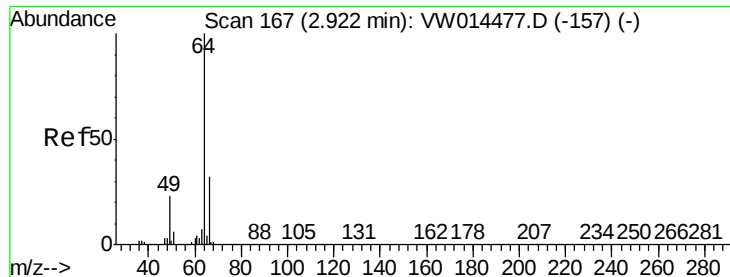
96 93.0 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 25.513 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

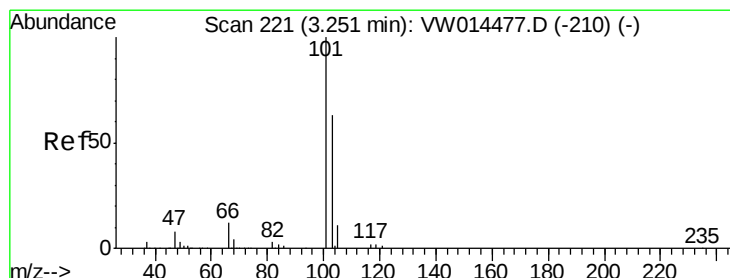
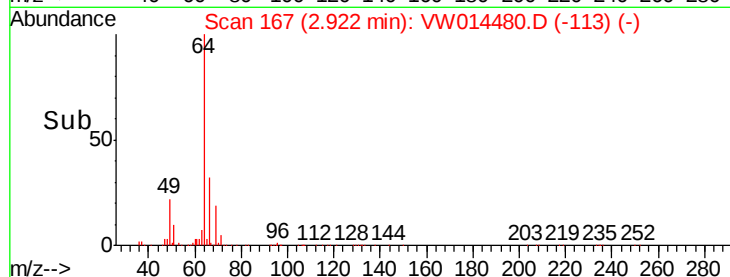
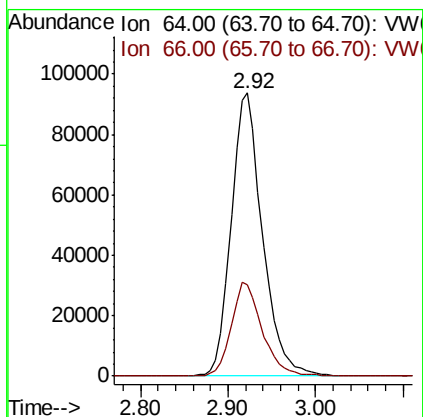
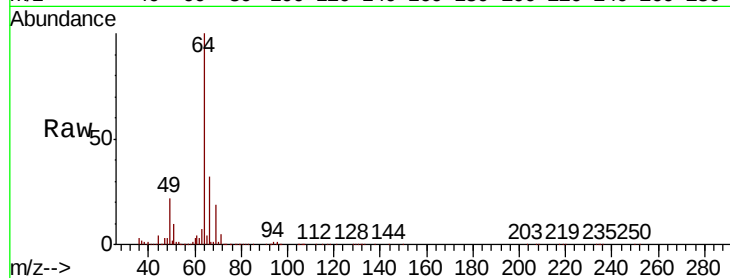
ClientSampleId :

Tot Ion: 64 Resp: 232741

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.7



#9

Trichlorofluoromethane

Concen: 23.150 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW014480.D

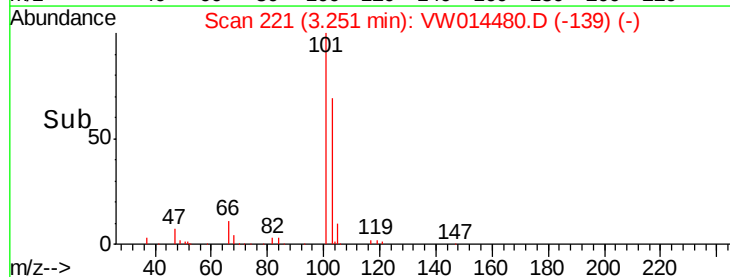
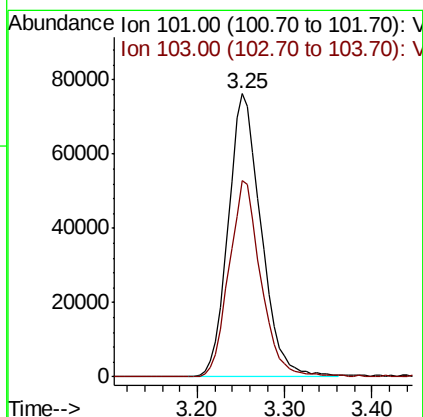
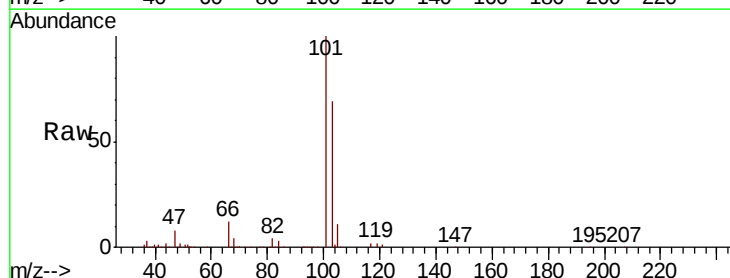
Acq: 27 Dec 2019 21:39

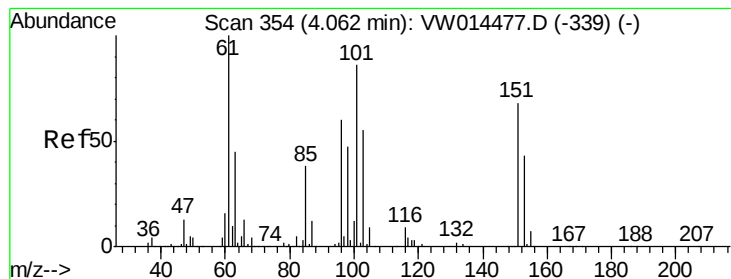
Tgt Ion: 101 Resp: 199760

Ion Ratio Lower Upper

101 100

103 66.4 45.5 84.5





#11

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

Concen: 25.007 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

ClientSampled :

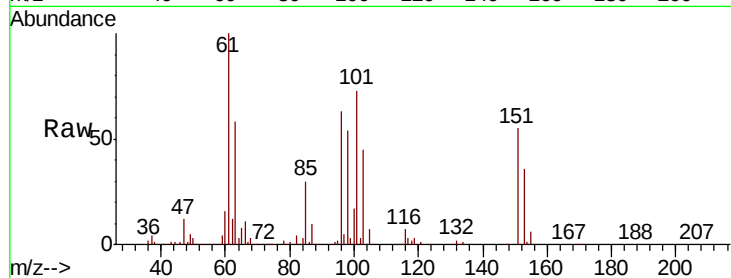
Tot Ion:101 Resp: 370431

Ion Ratio Lower Upper

101 100

85 39.9 33.3 49.9

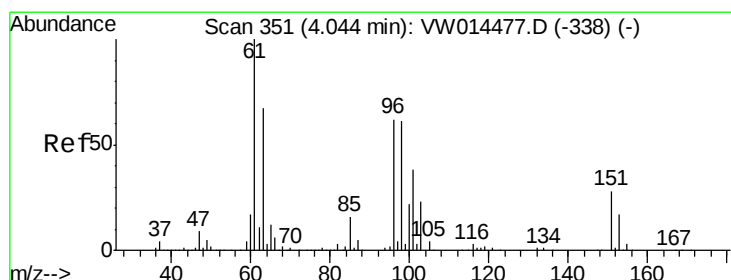
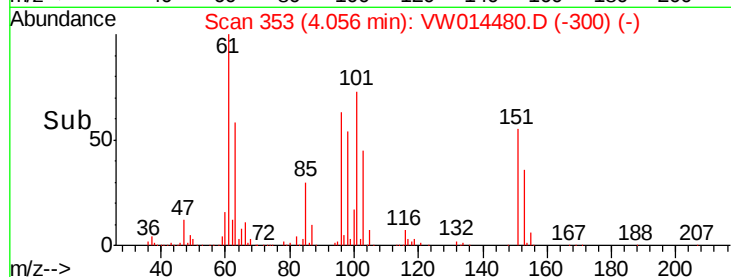
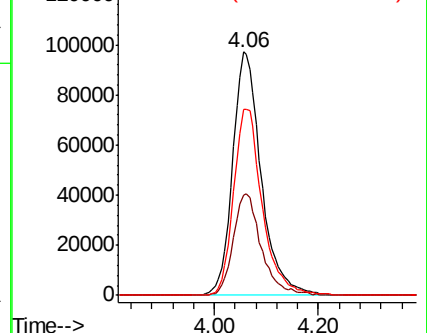
151 76.5 62.5 93.7



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: 25.520 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

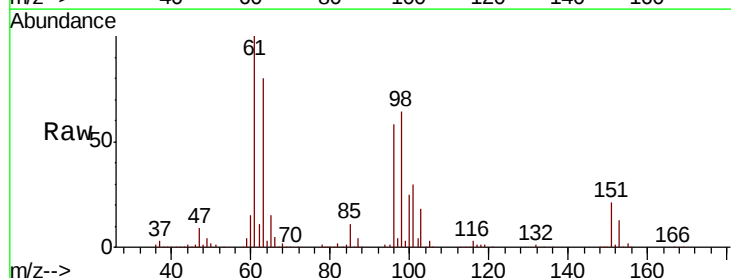
Tgt Ion: 96 Resp: 370182

Ion Ratio Lower Upper

96 100

61 172.7 114.2 212.0

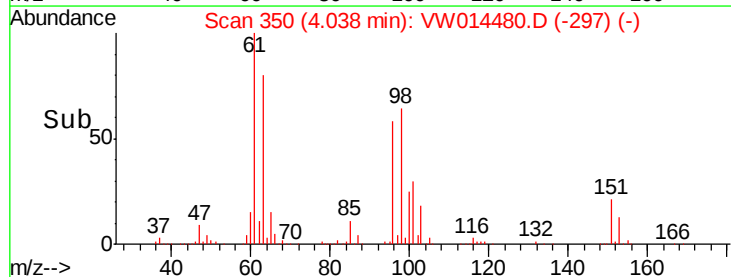
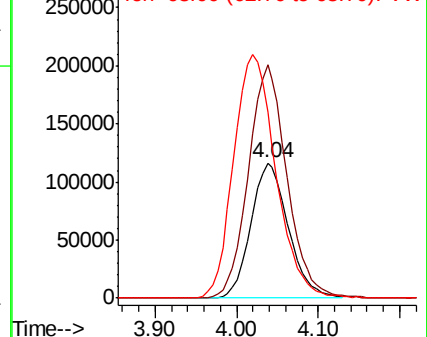
63 137.9 78.6 146.0

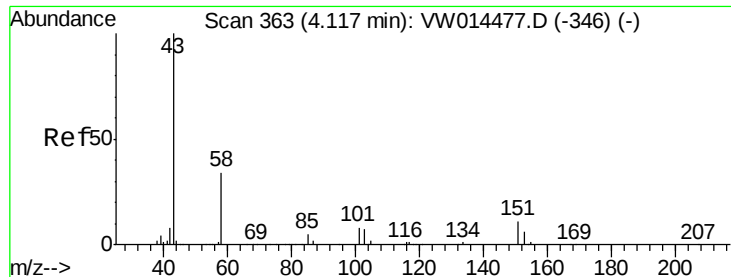


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

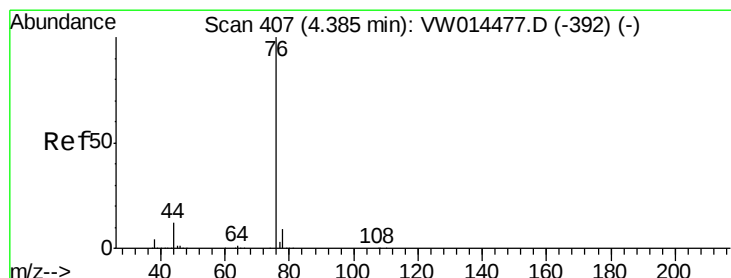
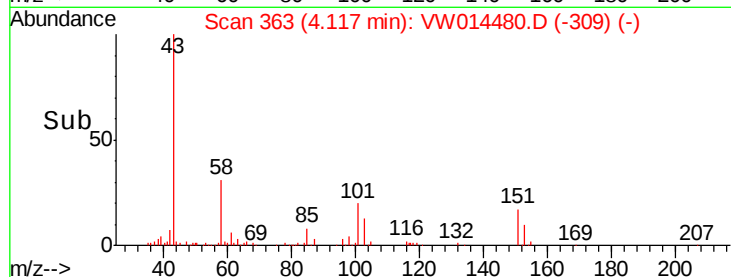
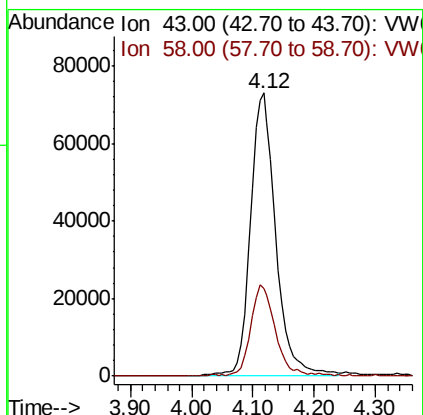
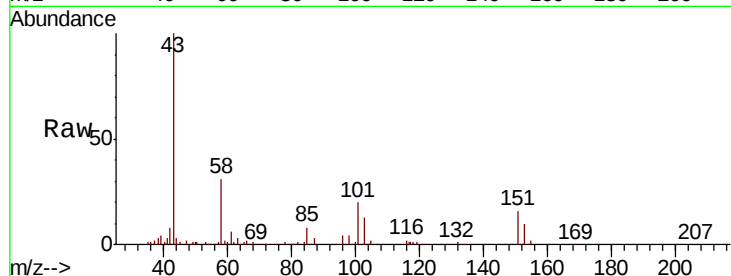




#13
Acetone
Concen: 40.320 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

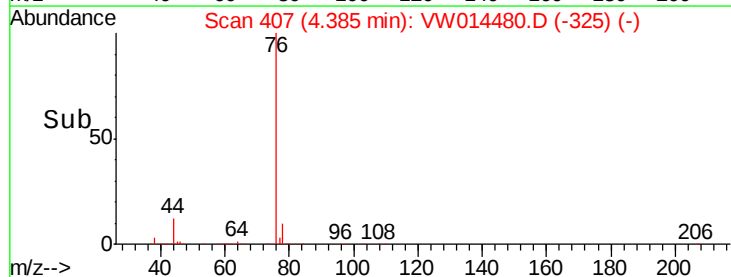
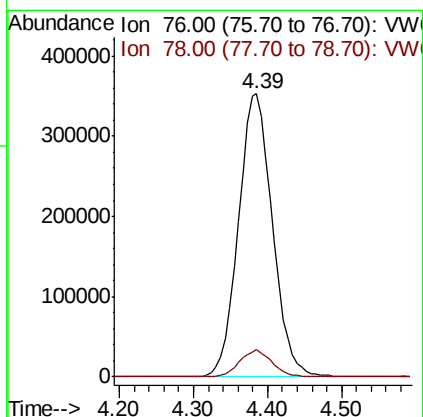
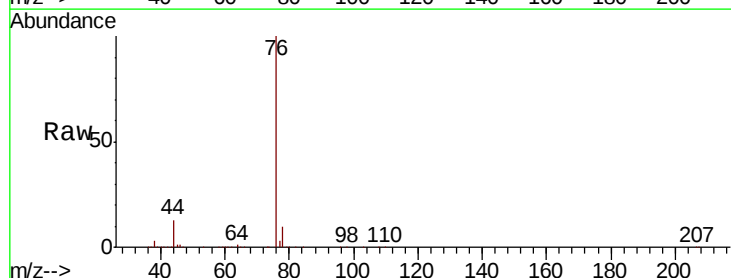
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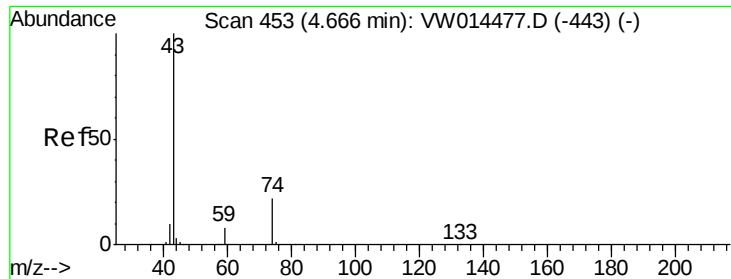
Tot Ion: 43 Resp: 212293
Ion Ratio Lower Upper
43 100
58 30.9 0.0 64.0



#14
Carbon disulfide
Concen: 25.229 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Tgt Ion: 76 Resp: 1129905
Ion Ratio Lower Upper
76 100
78 9.6 6.9 10.3

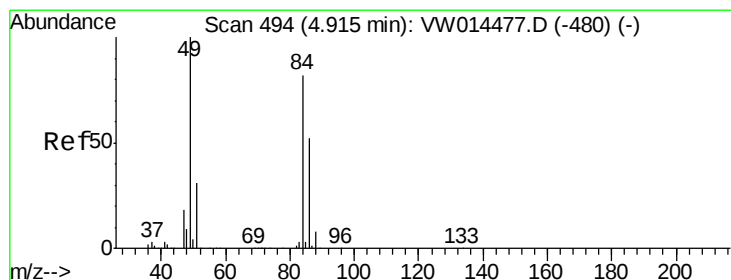
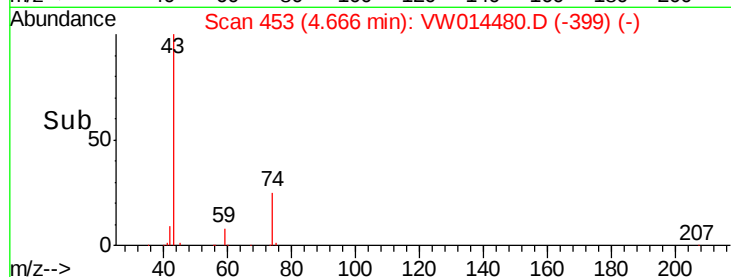
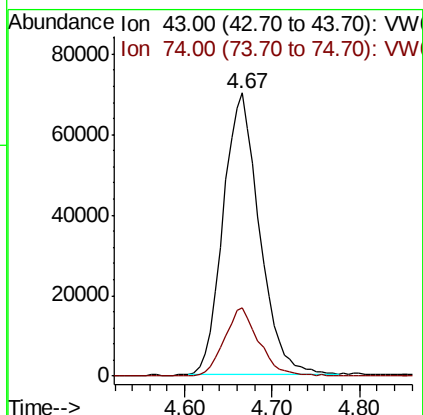
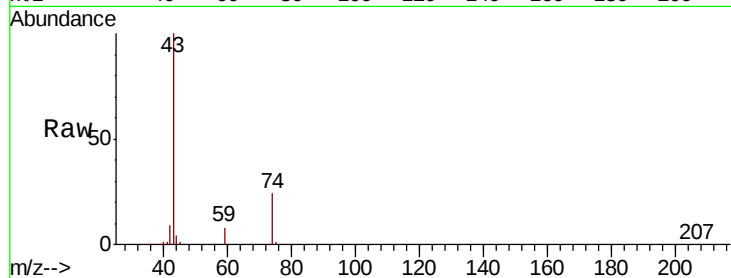




#15
Methvl Acetate
Concen: 28.432 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

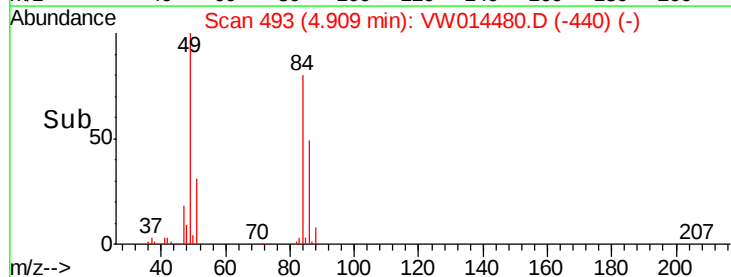
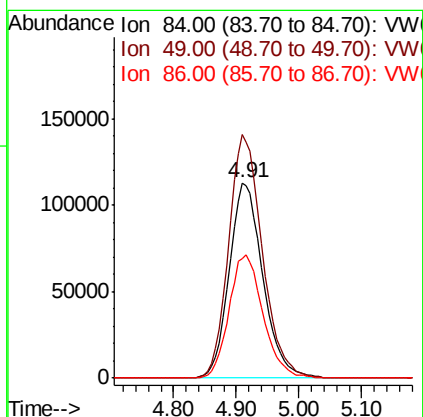
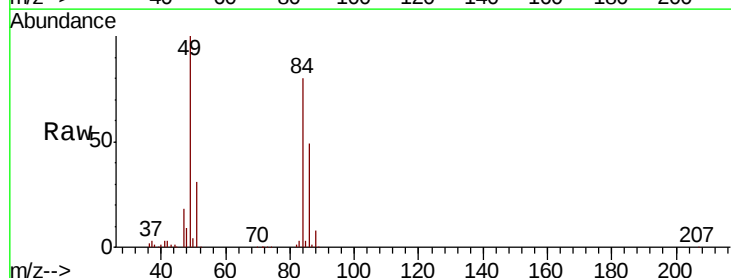
Instrument :
MSVOA_W
ClientSampled :

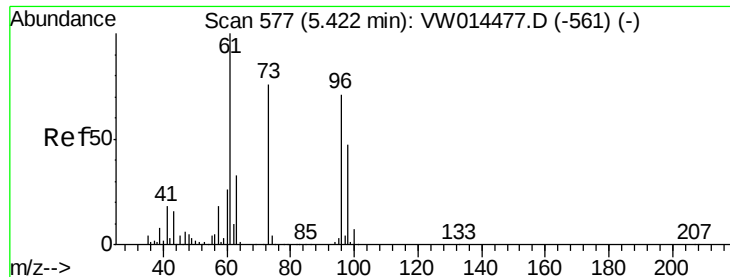
Tot Ion: 43 Resp: 202004
Ion Ratio Lower Upper
43 100
74 23.0 18.3 27.5



#16
Methylene chloride
Concen: 22.616 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Tgt Ion: 84 Resp: 418082
Ion Ratio Lower Upper
84 100
49 124.5 85.8 159.4
86 61.3 44.5 82.7

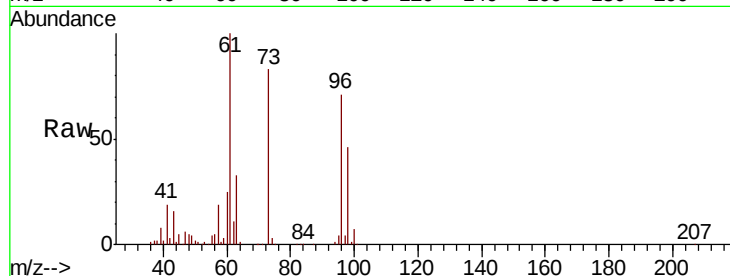




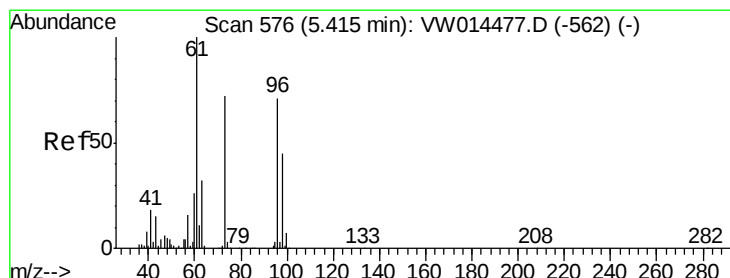
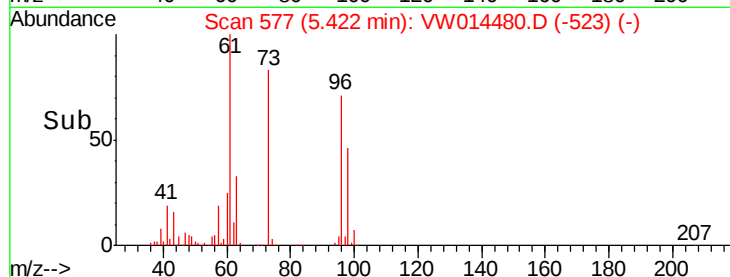
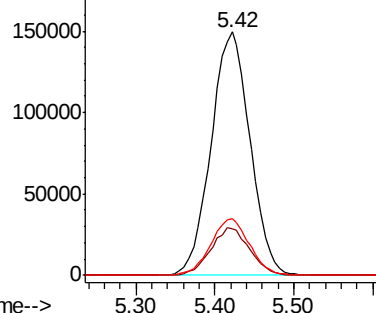
#17
Methvl tert-butvl Ether
Concen: 27.544 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 514271
Ion Ratio Lower Upper
73 100
43 19.3 15.7 23.5
57 23.0 18.3 27.5

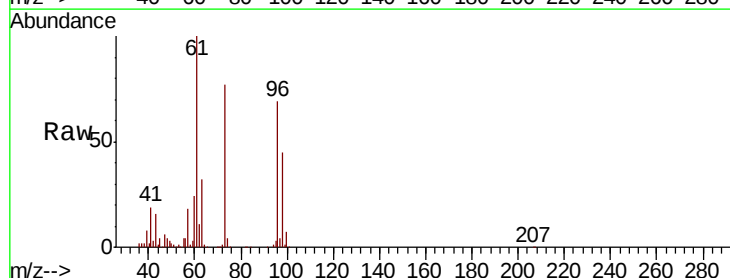


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

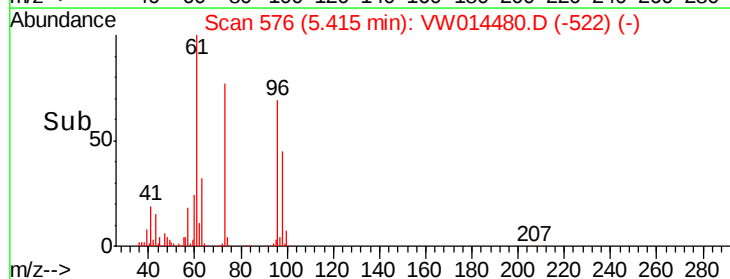
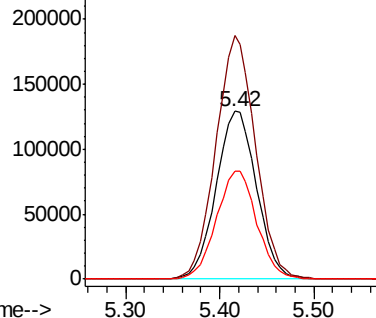


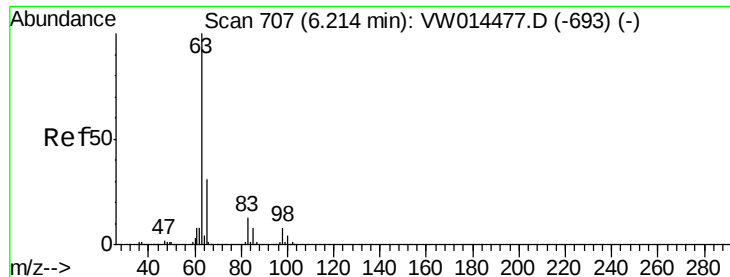
#18
trans-1,2-Dichloroethene
Concen: 25.461 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Tgt Ion: 96 Resp: 389065
Ion Ratio Lower Upper
96 100
61 145.1 98.2 182.4
98 64.7 44.1 81.9



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

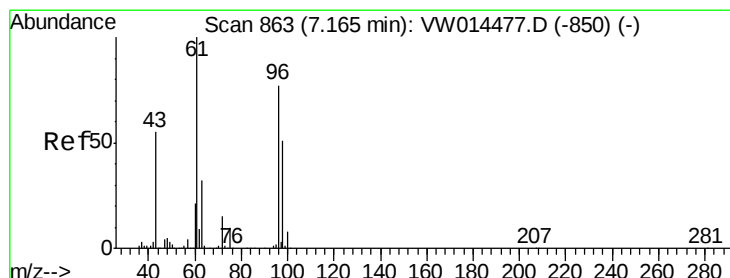
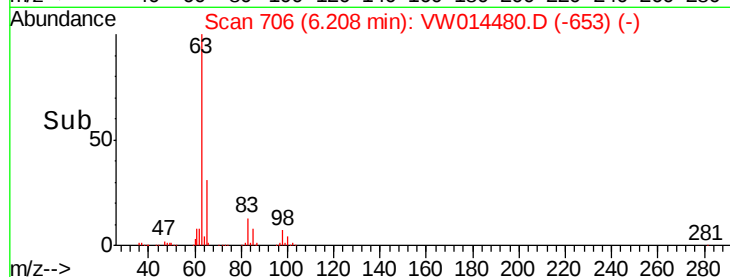
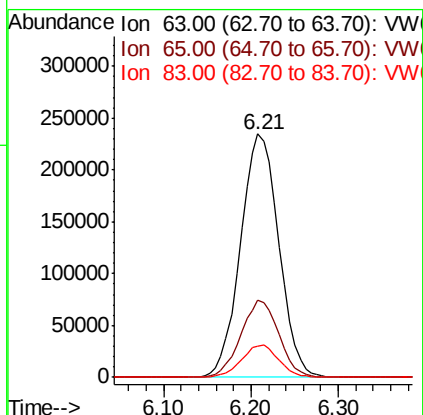
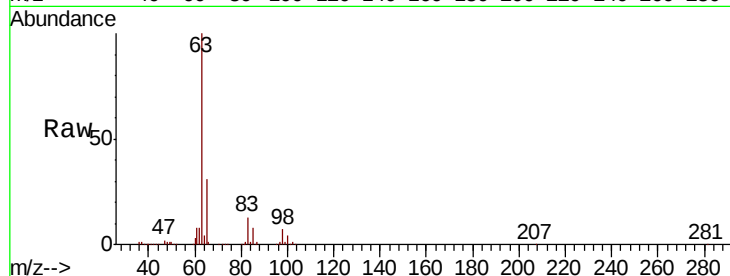




#19
 1,1-Dichloroethane
 Concen: 25.829 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

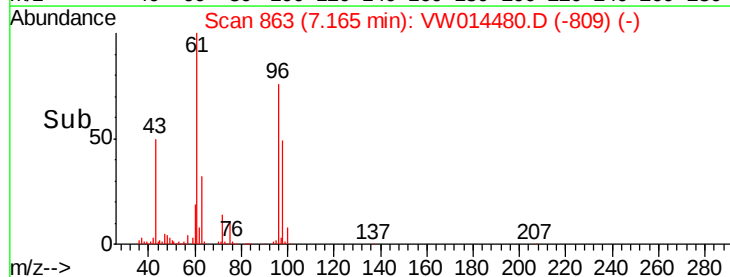
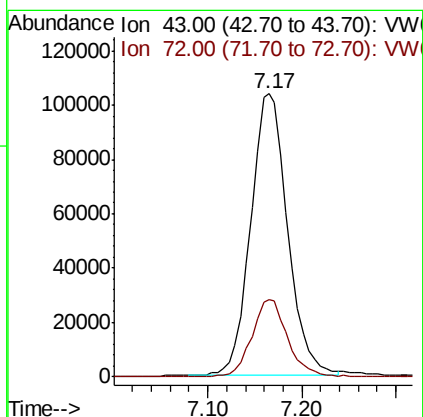
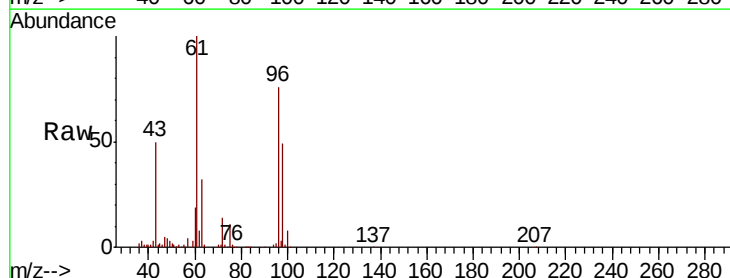
Instrument :
 MSVOA_W
 ClientSampleId :

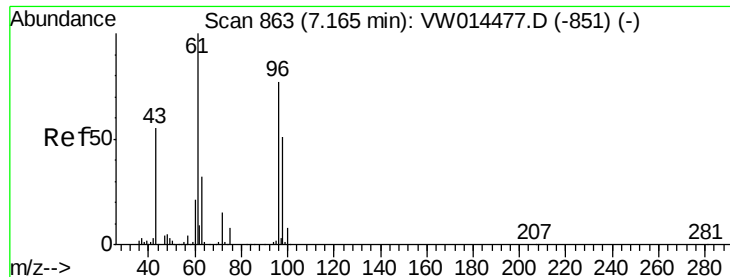
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.7	40.3
83	12.8	9.0	16.8



#21
 2-Butanone
 Concen: 50.485 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.5	13.3	39.8



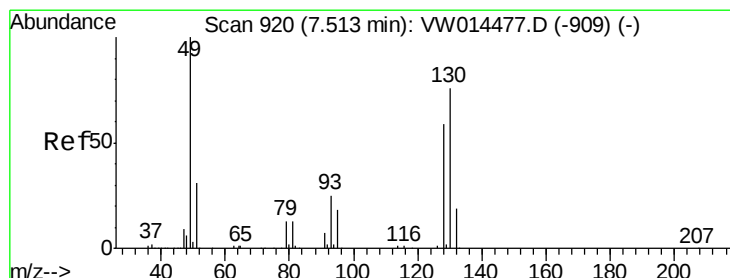
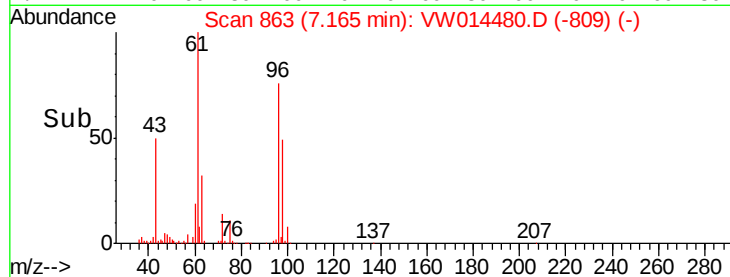
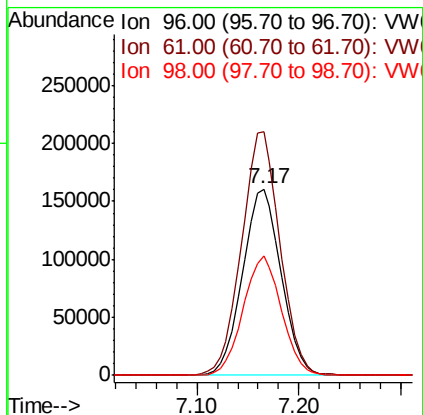
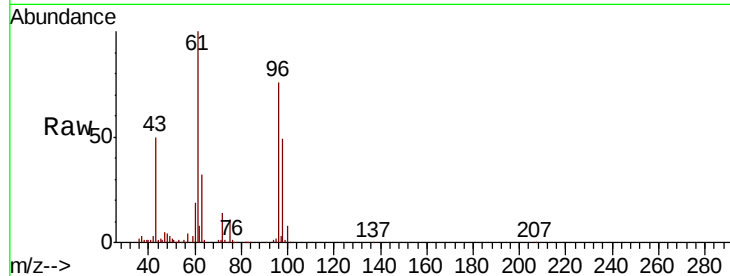


#22

cis-1,2-Dichloroethene
Concen: 26.249 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Instrument :
MSVOA_W
ClientSampleId :

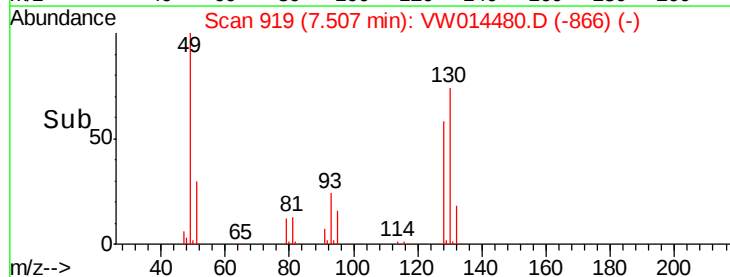
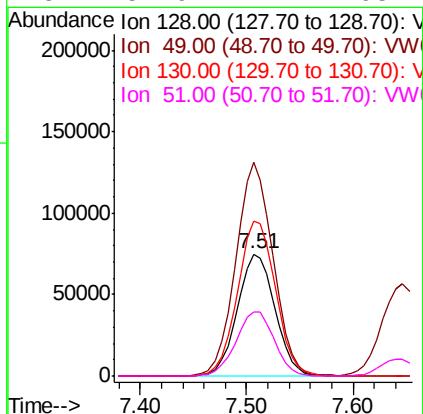
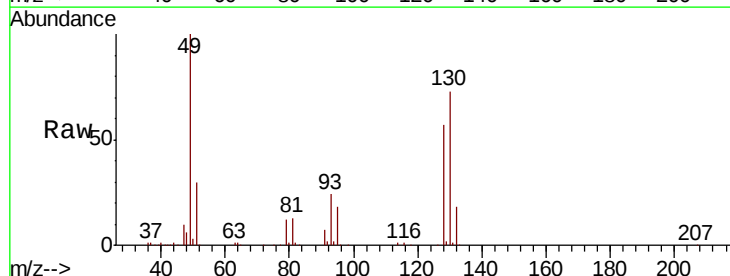
Tot Ion: 96 Resp: 422193
Ion Ratio Lower Upper
96 100
61 130.8 91.5 169.9
98 63.9 46.9 87.1

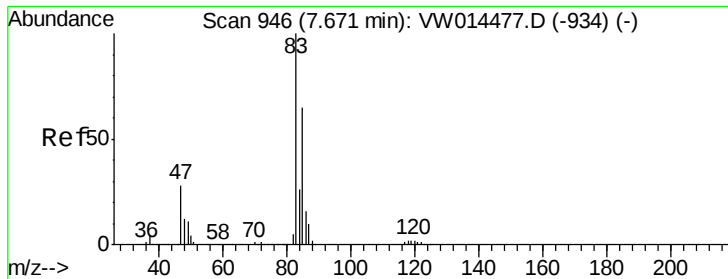


#23

Bromochloromethane
Concen: 26.699 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Tgt Ion: 128 Resp: 185904
Ion Ratio Lower Upper
128 100
49 175.2 118.3 219.7
130 127.3 89.5 166.1
51 52.9 42.1 63.1





#25

Chloroform

Concen: 26.236 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

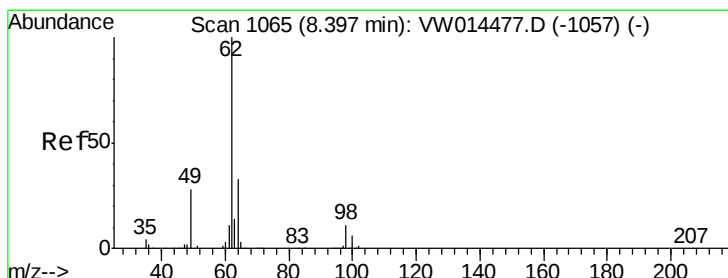
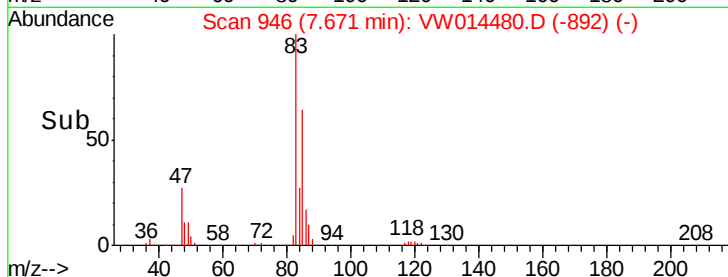
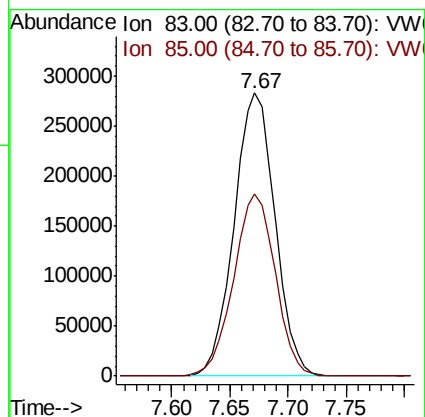
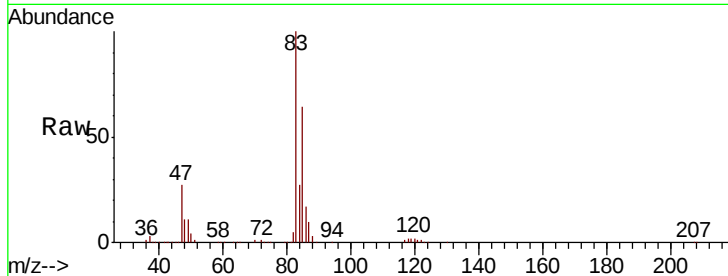
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 693153

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2



#27

1,2-Dichloroethane

Concen: 26.388 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014480.D

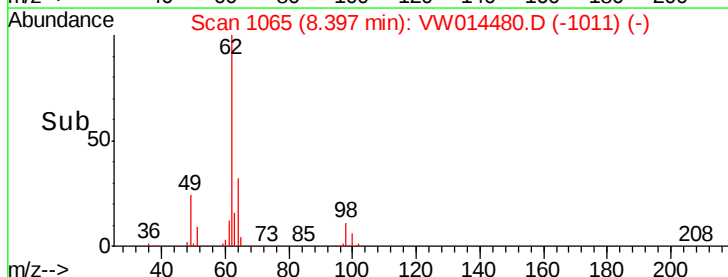
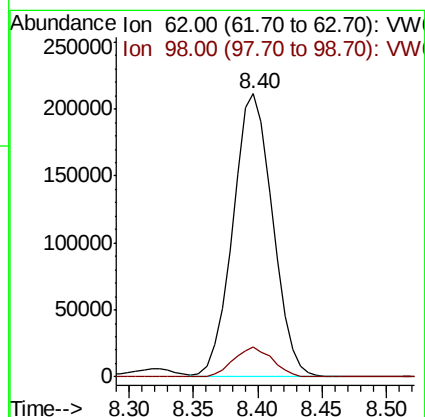
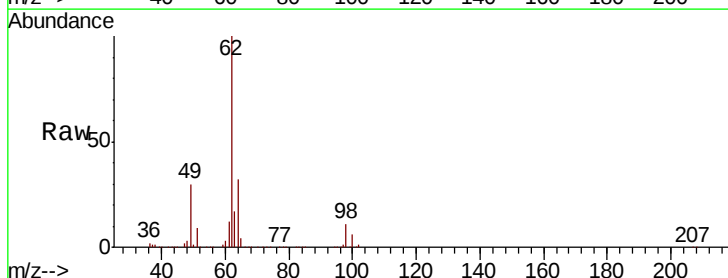
Acq: 27 Dec 2019 21:39

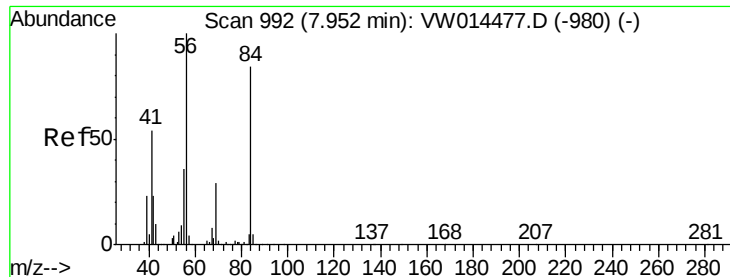
Tgt Ion: 62 Resp: 452575

Ion Ratio Lower Upper

62 100

98 10.7 8.3 12.5

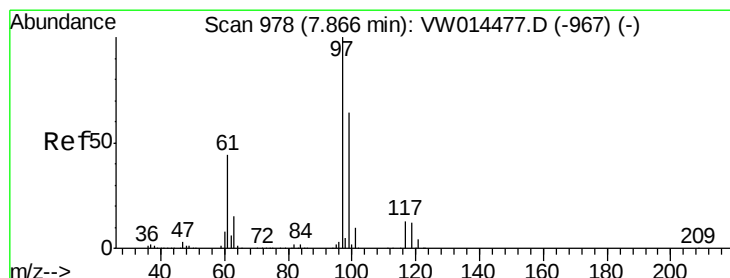
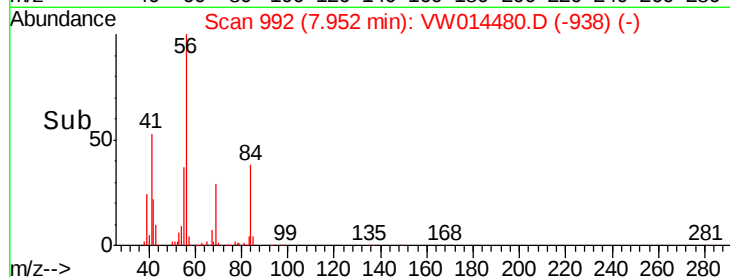
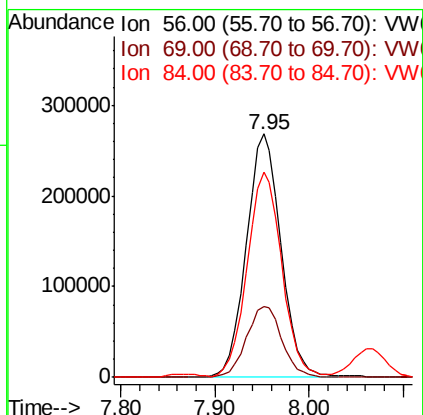
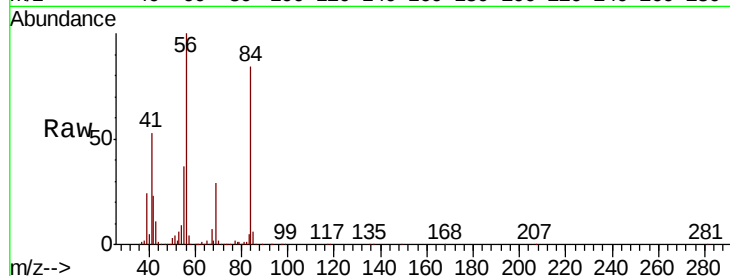




#30
Cyclohexane
Concen: 26.323 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

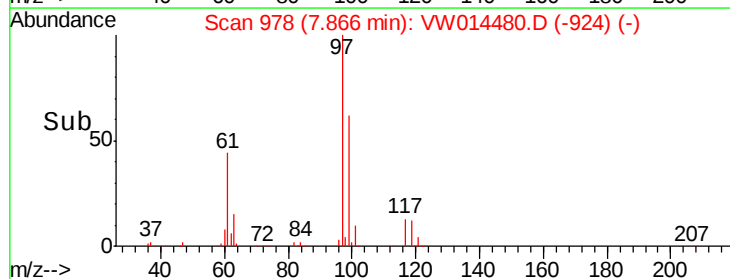
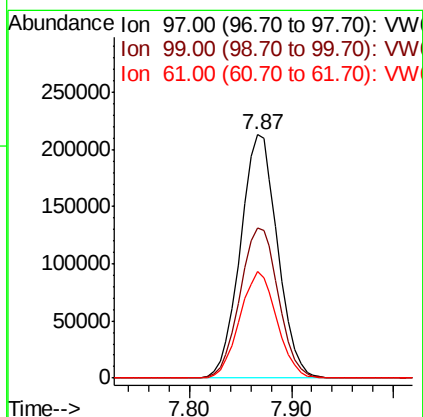
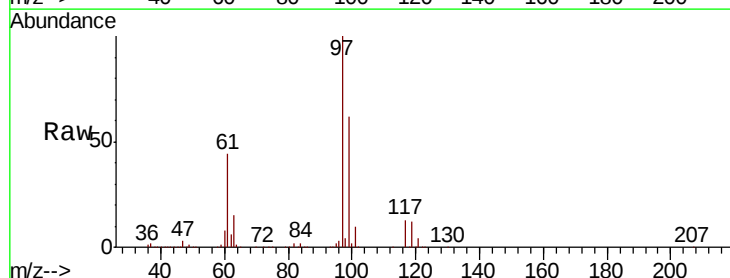
Instrument :
MSVOA_W
ClientSampleId :

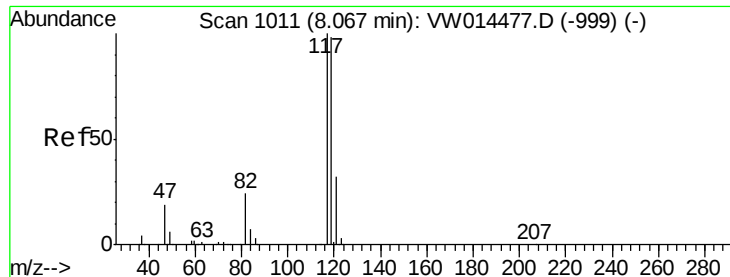
Tot Ion	56	Resp	688098
Ion Ratio	Lower	Upper	
56	100		
69	29.9	23.8	35.8
84	84.2	68.2	102.2



#31
1,1,1-Trichloroethane
Concen: 25.668 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Tgt Ion	97	Resp	538070
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.6	77.4
61	43.8	35.3	52.9





#32

Carbon tetrachloride

Concen: 25.620 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

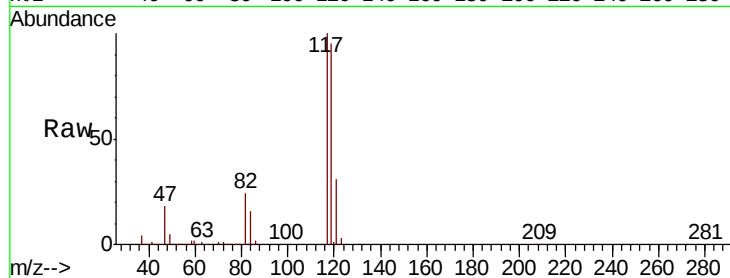
ClientSampleId :

Tot Ion:117 Resp: 500370

Ion Ratio Lower Upper

117 100

119 96.4 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

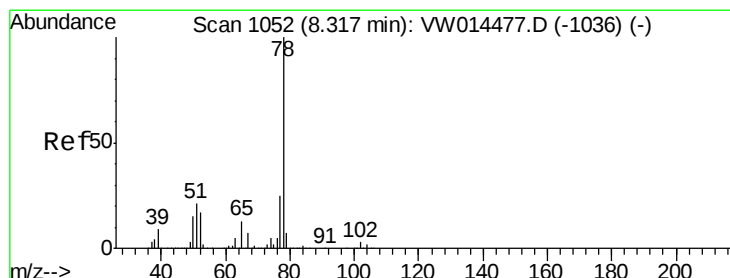
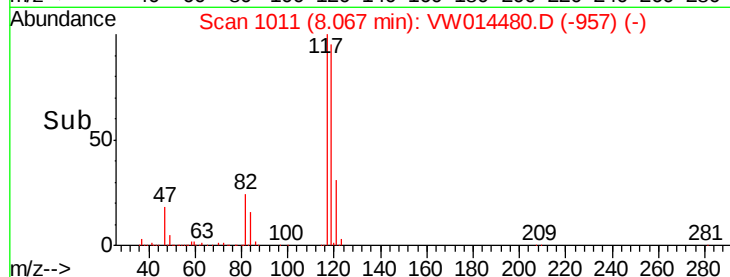
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 26.477 ug/L

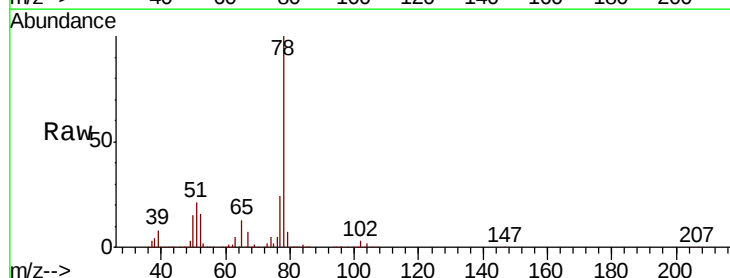
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Tgt Ion: 78 Resp: 1628240



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

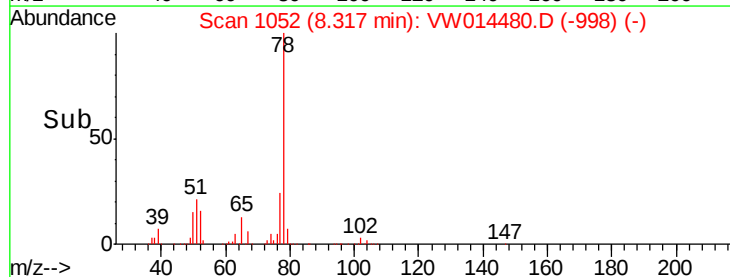
600000

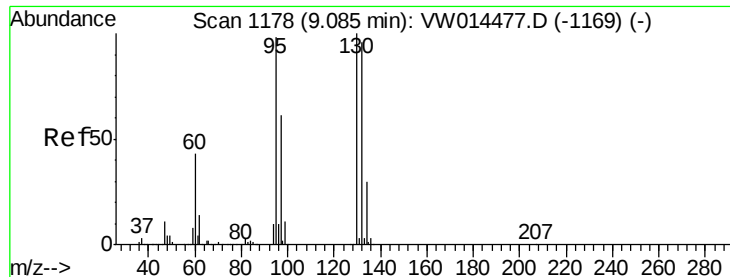
400000

200000

0

Time-->

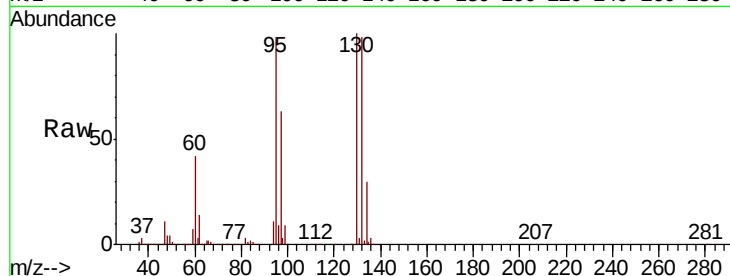




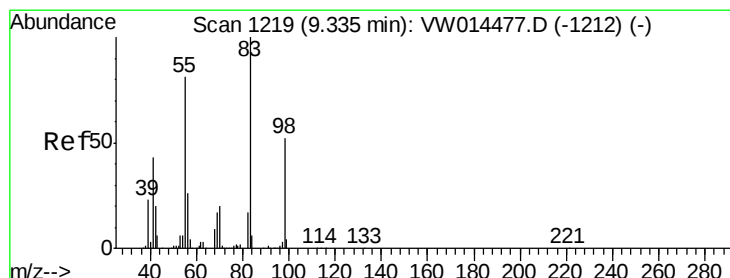
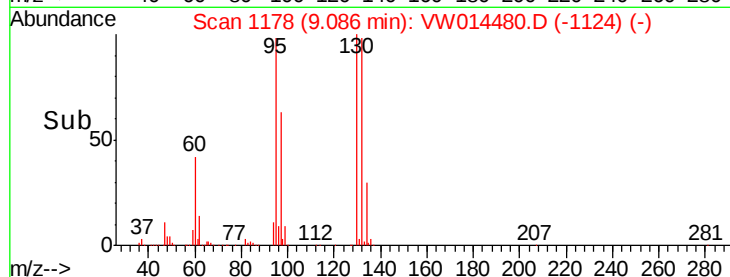
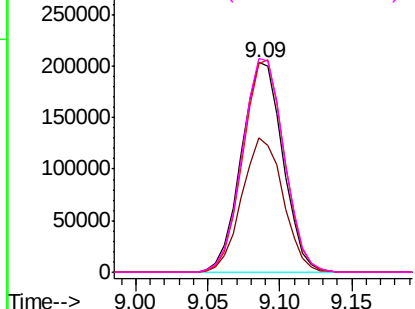
#35
 Trichloroethene
 Concen: 25.561 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	405695
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.3	82.3
132	100.4	69.2	128.6
130	102.8	72.3	134.3

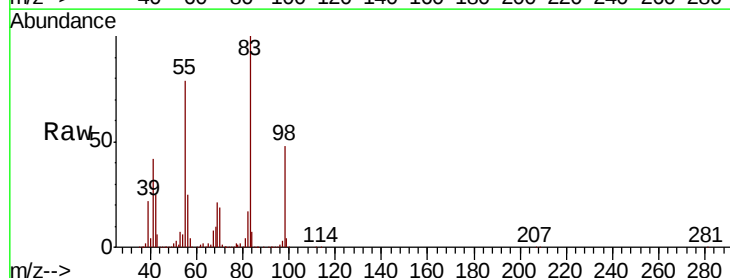


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

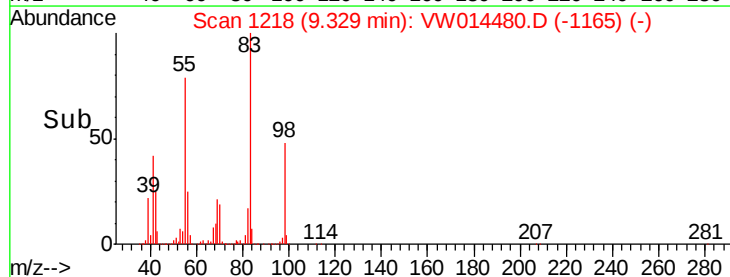
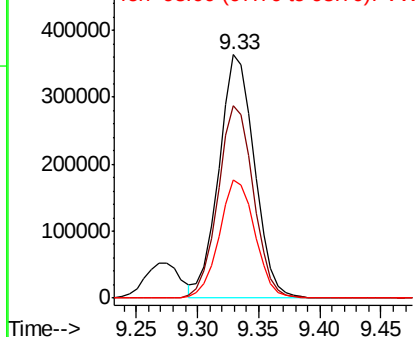


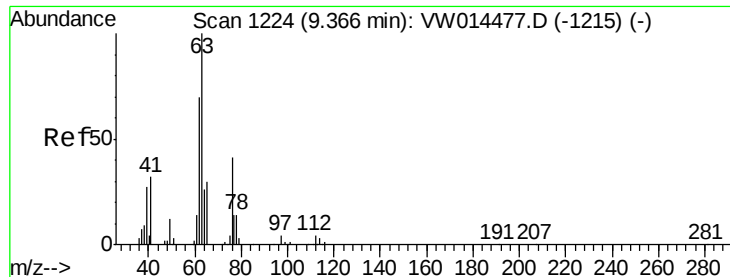
#36
 Methylcyclohexane
 Concen: 26.264 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

Tgt Ion:	83	Resp:	731317
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.7	95.5
98	48.9	39.4	59.2



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

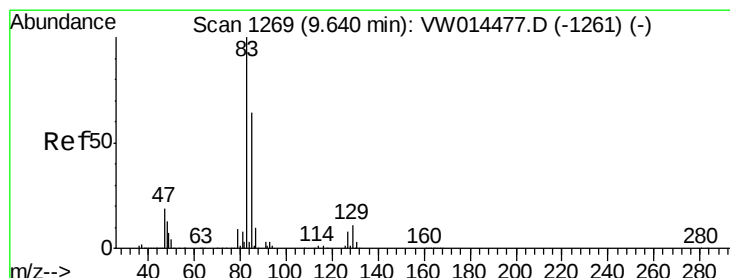
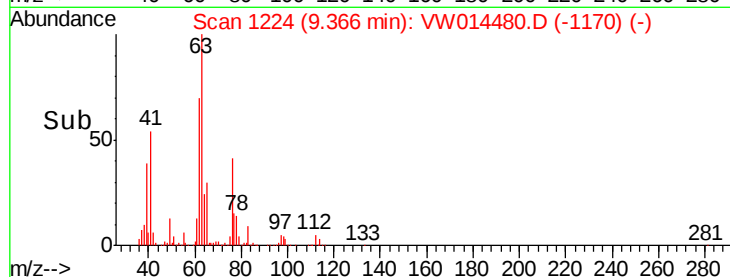
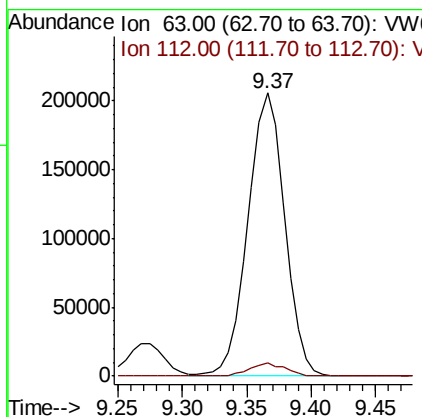
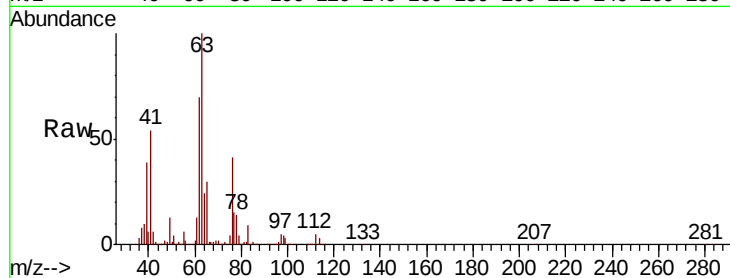




#40
 1,2-Dichloropropane
 Concen: 26.196 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

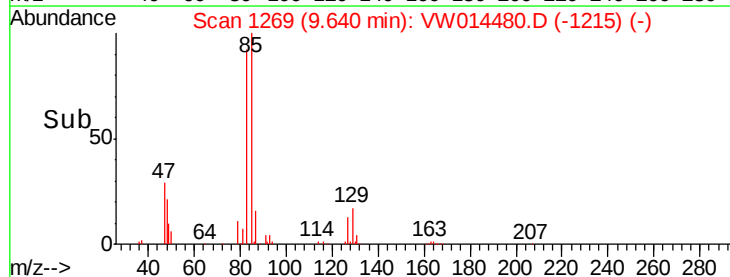
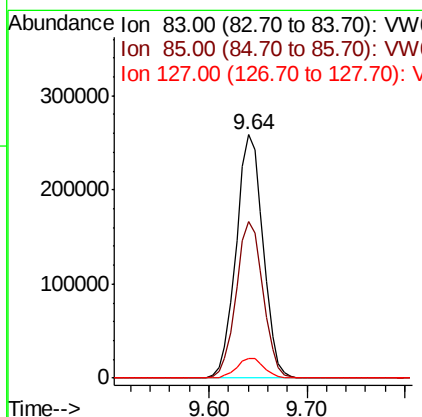
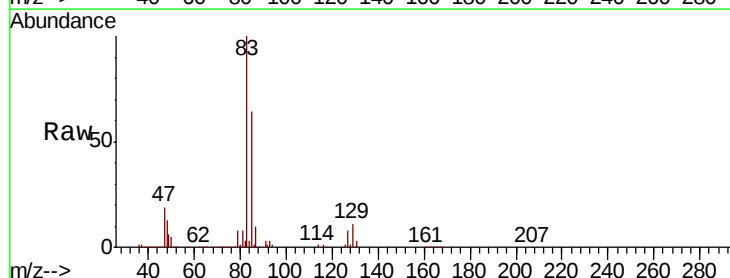
Instrument :
 MSVOA_W
 ClientSampleId :

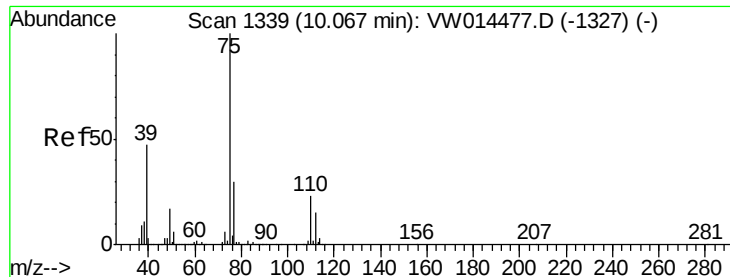
Tot Ion: 63 Resp: 407740
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.391 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

Tgt Ion: 83 Resp: 494113
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 83.1
 127 8.1 6.3 9.5





#42

cis-1,3-Dichloropropene

Concen: 26.936 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

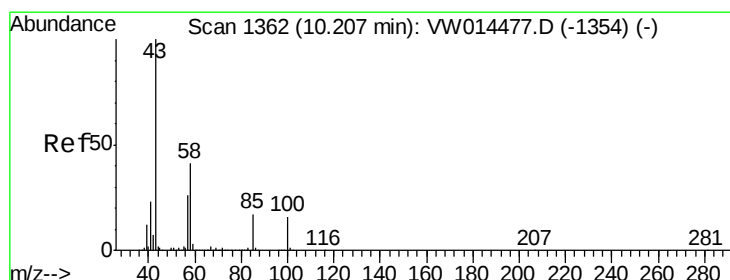
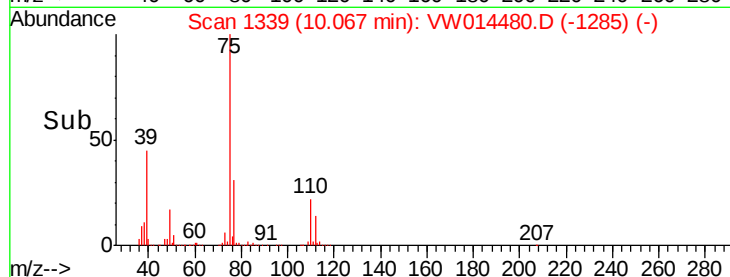
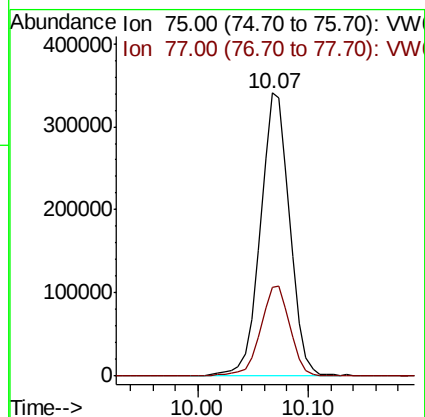
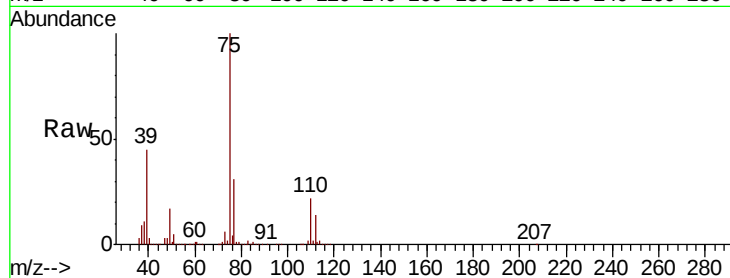
ClientSampleId :

Tot Ion: 75 Resp: 626289

Ion Ratio Lower Upper

75 100

77 31.3 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 57.058 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

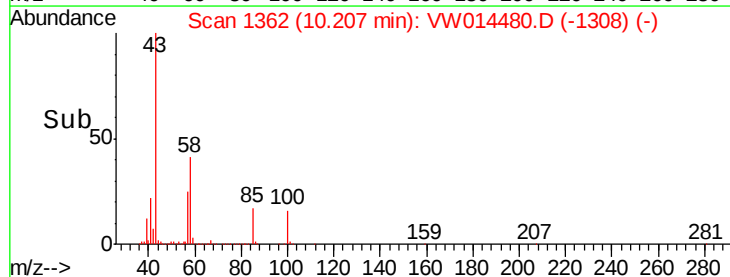
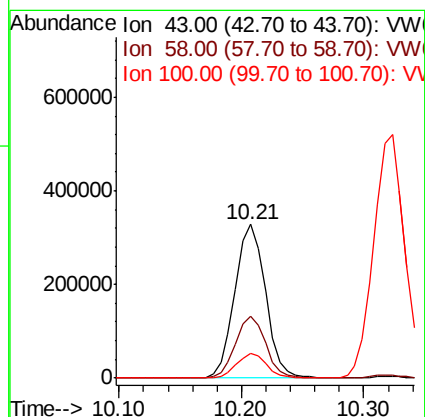
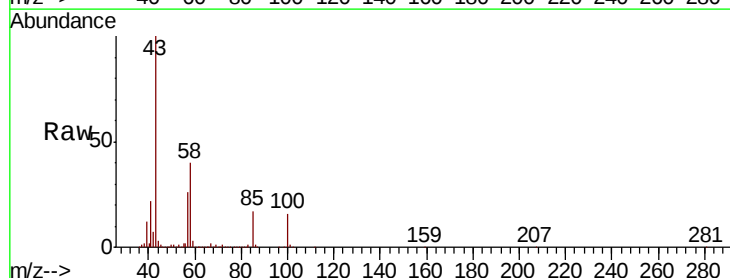
Tgt Ion: 43 Resp: 570128

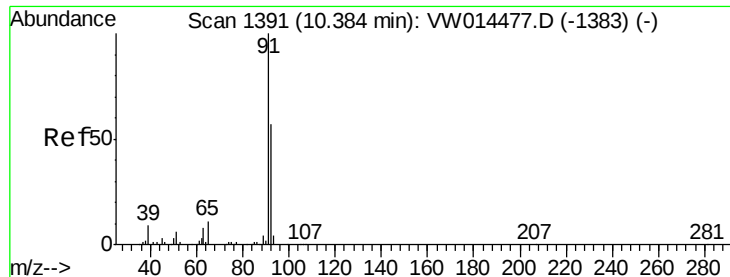
Ion Ratio Lower Upper

43 100

58 39.7 32.6 48.8

100 15.6 12.6 19.0





#44

Toluene

Concen: 26.728 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

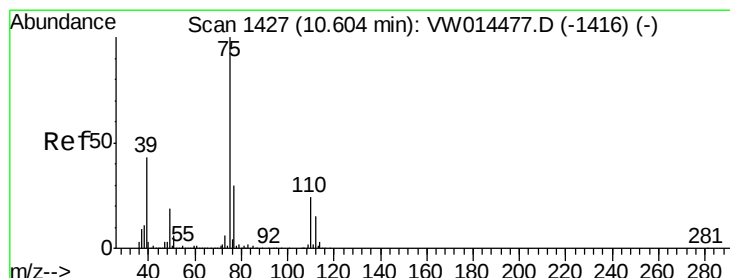
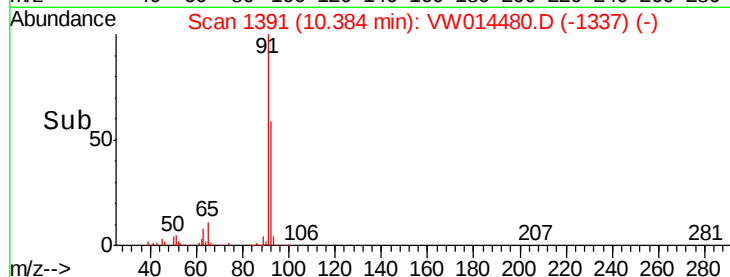
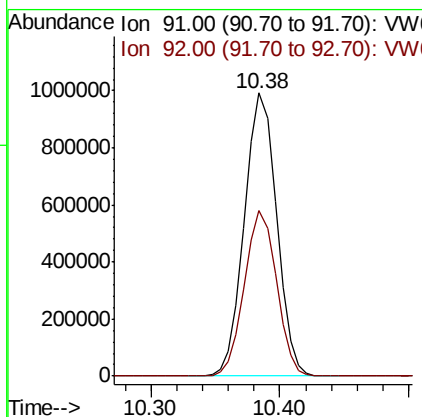
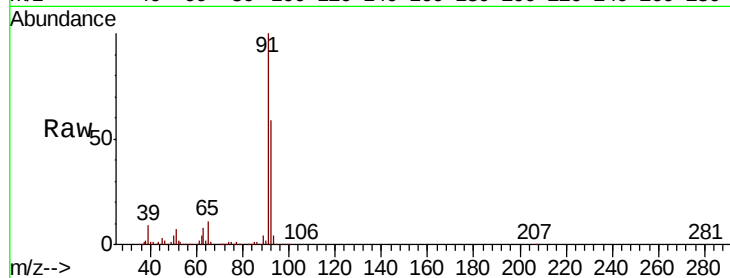
ClientSampleId :

Tot Ion: 91 Resp: 1717671

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 27.247 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014480.D

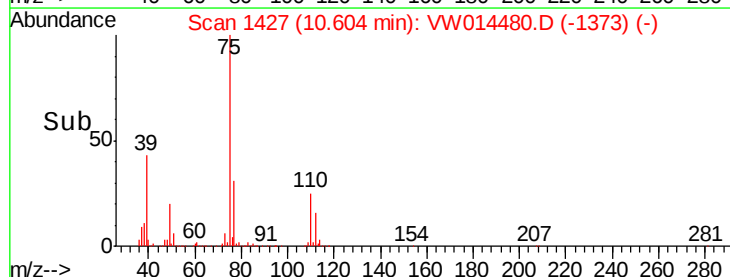
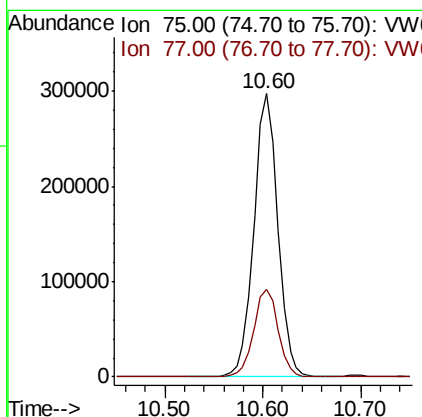
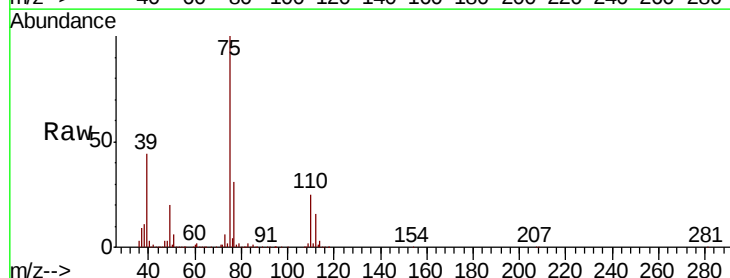
Acq: 27 Dec 2019 21:39

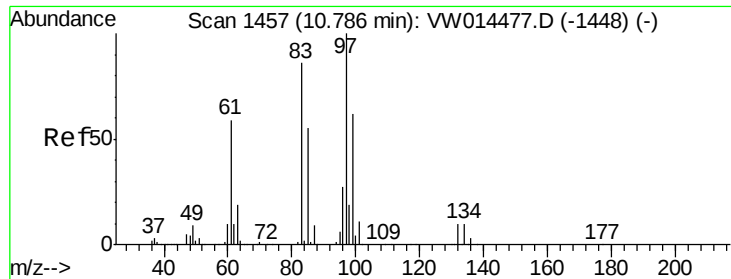
Tgt Ion: 75 Resp: 506568

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 26.840 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 295917

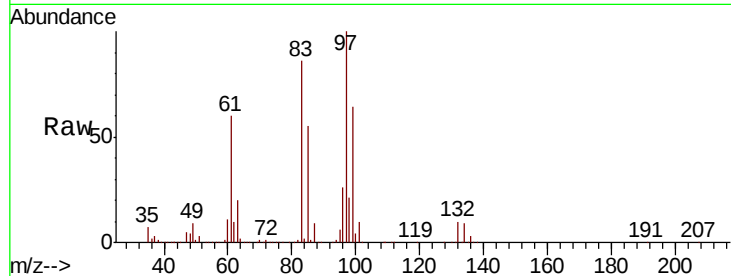
Ion Ratio Lower Upper

97 100

83 85.8 60.1 111.5

85 55.3 38.1 70.9

99 64.0 43.4 80.6



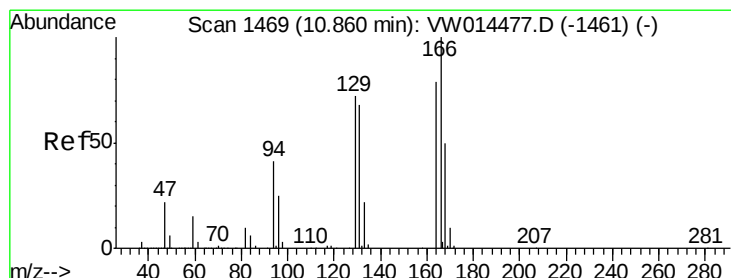
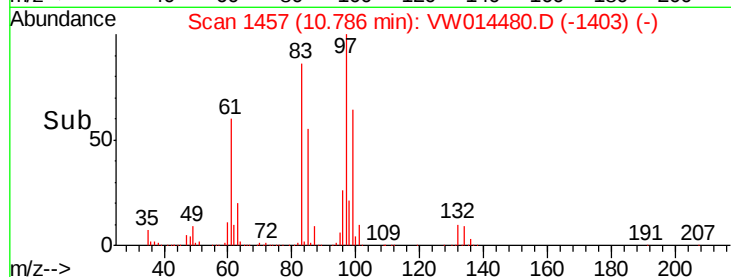
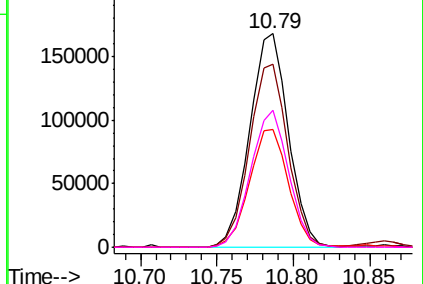
Abundance

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: 25.059 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Tgt Ion: 164 Resp: 333961

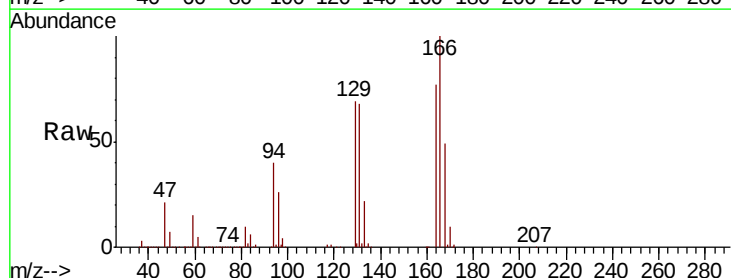
Ion Ratio Lower Upper

164 100

129 90.5 64.0 118.8

131 89.4 60.2 111.8

166 130.7 88.2 163.8



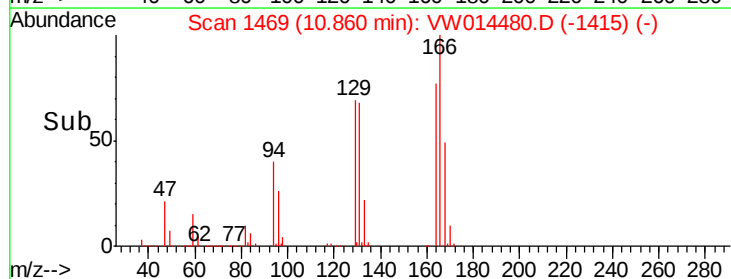
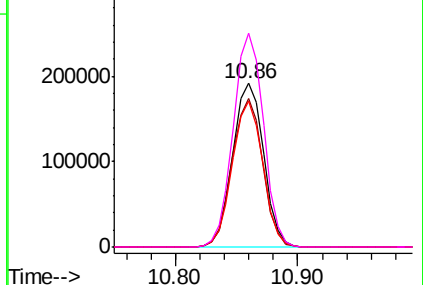
Abundance

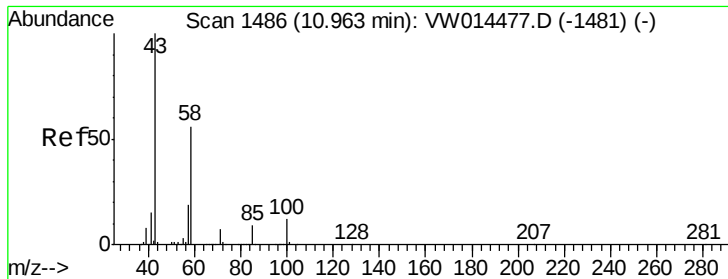
Ion 164.00 (163.70 to 164.70): V

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

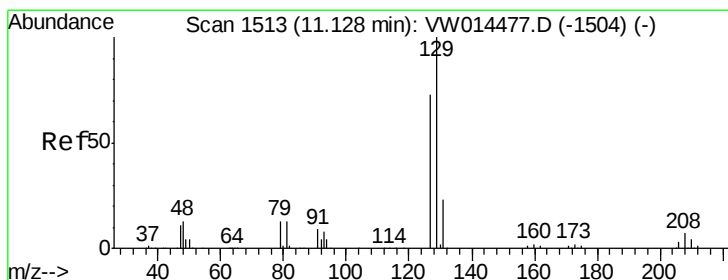
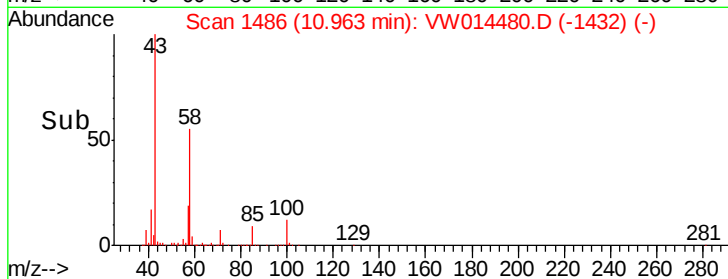
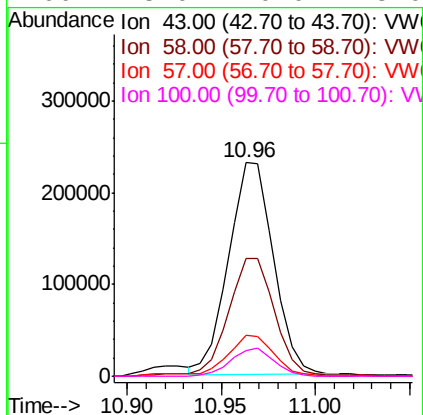
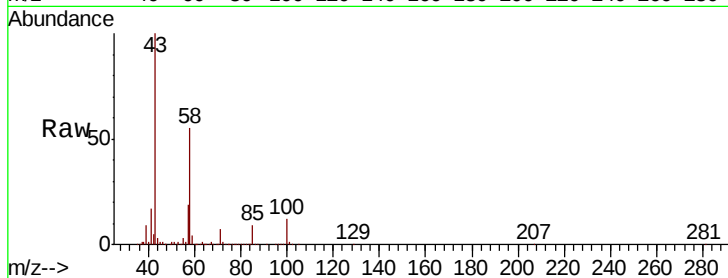




#49
2-Hexanone
Concen: 55.979 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

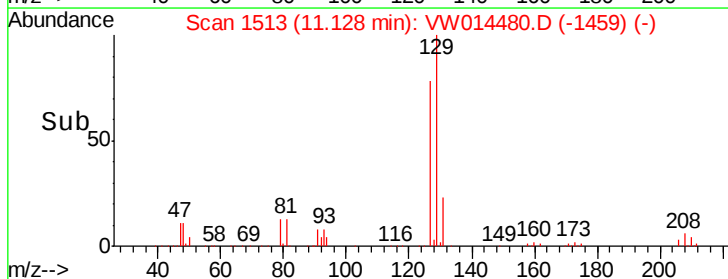
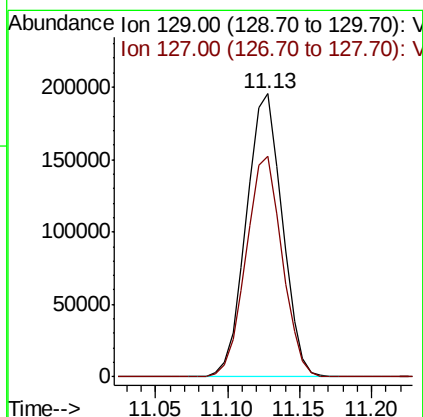
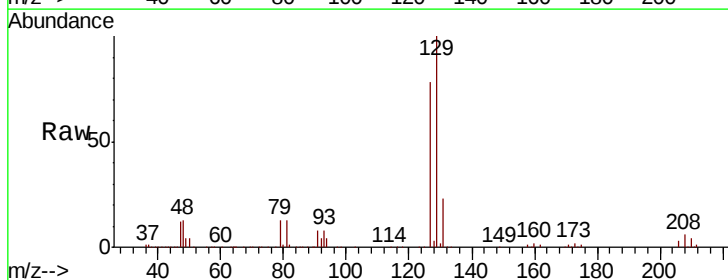
Instrument :
MSVOA_W
ClientSampleId :

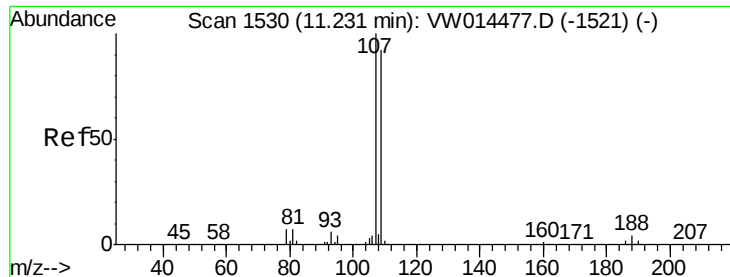
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.9	67.3
57	19.6	15.3	22.9
100	13.0	10.0	15.0



#50
Dibromochloromethane
Concen: 26.980 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	51.1	94.9

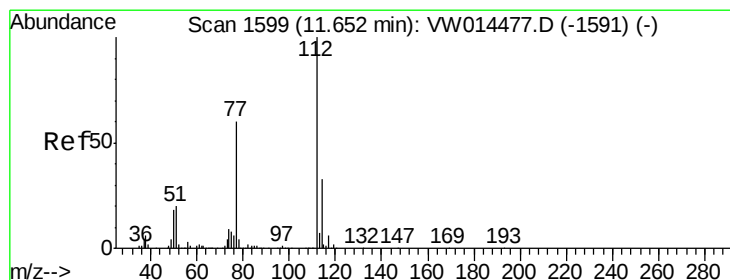
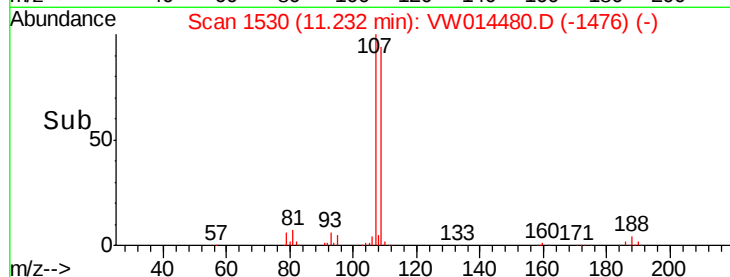
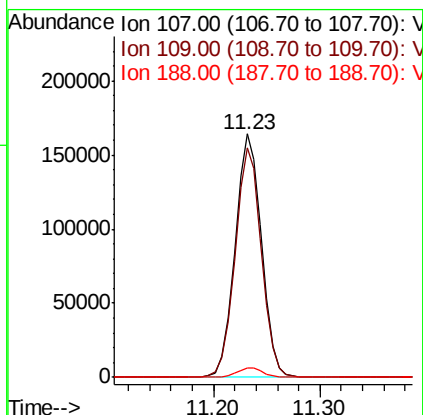
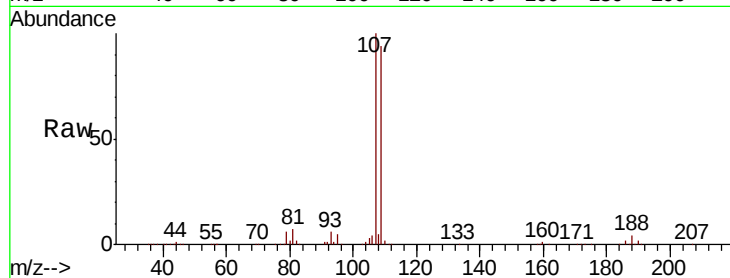




#51
 1,2-Dibromoethane
 Concen: 27.342 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

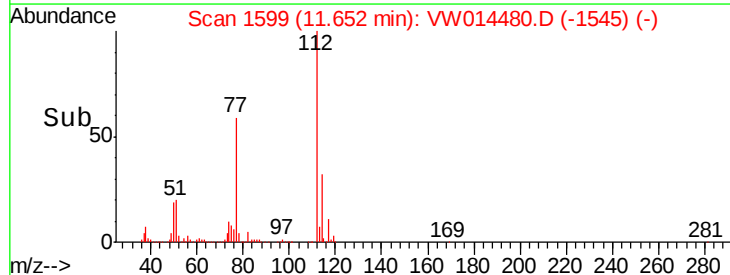
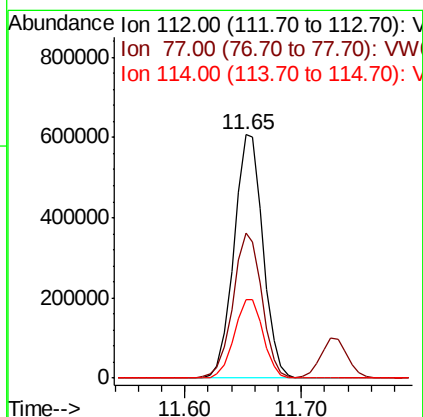
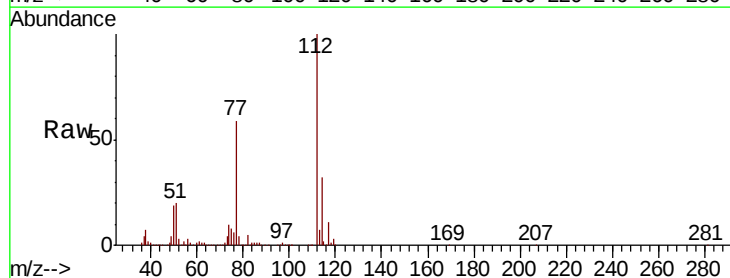
Instrument :
 MSVOA_W
 ClientSampleId :

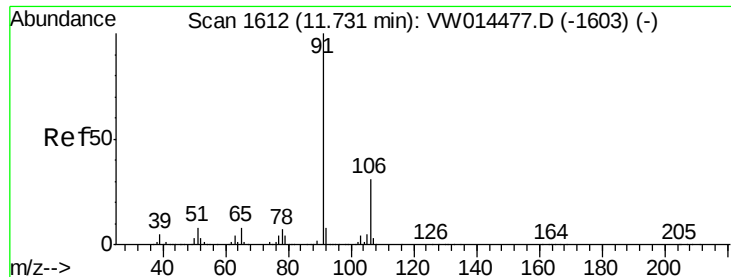
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	64.7	120.1
188	3.9	3.0	4.6



#52
 Chlorobenzene
 Concen: 25.856 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.4	48.2	72.2
114	32.0	22.9	42.5

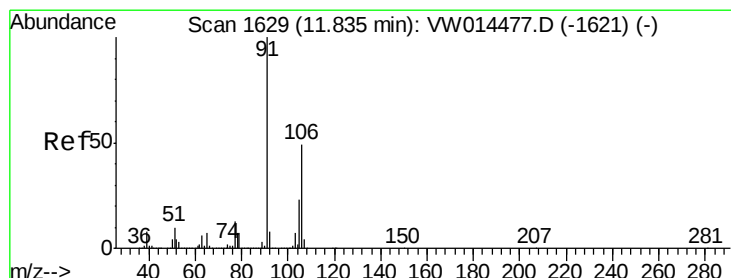
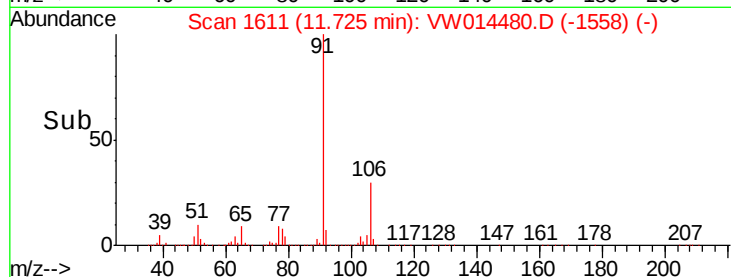
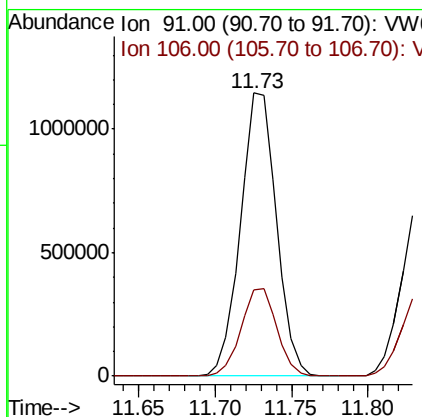
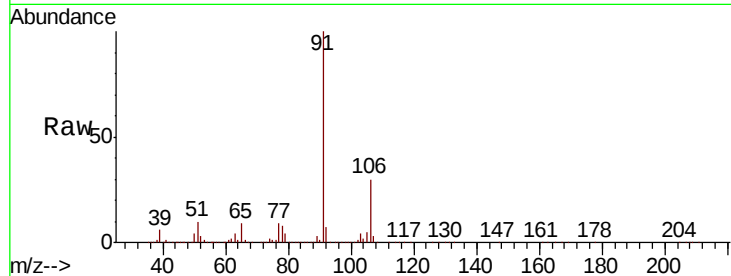




#53
Ethylbenzene
Concen: 26.495 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

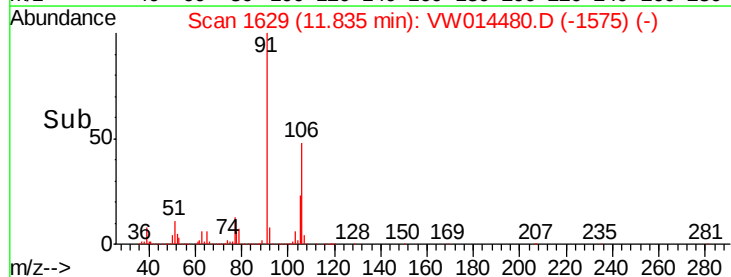
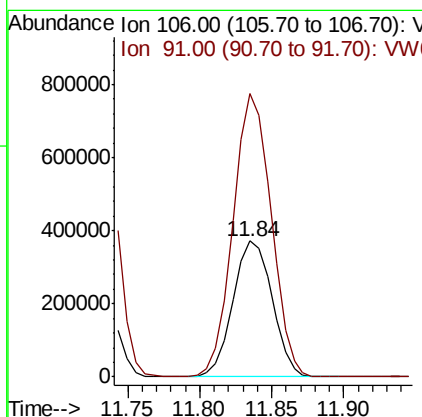
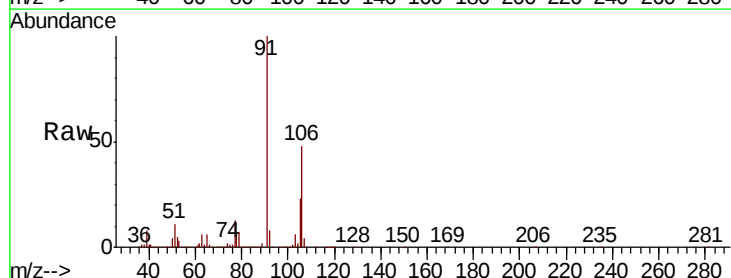
Instrument :
MSVOA_W
ClientSampled :

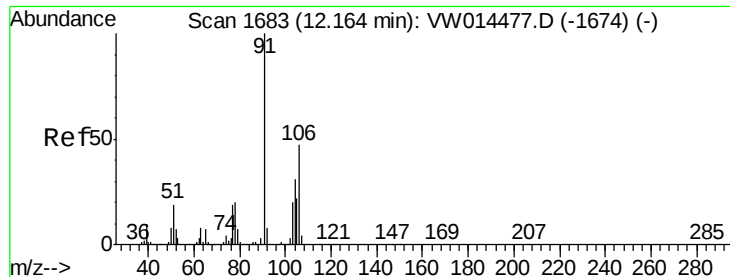
Tot Ion: 91 Resp: 1872152
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.6



#54
m,p-Xylene
Concen: 26.393 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014480.D
Acq: 27 Dec 2019 21:39

Tgt Ion: 106 Resp: 705743
Ion Ratio Lower Upper
106 100
91 208.0 142.2 264.0





#55

o-xylene

Concen: 26.681 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

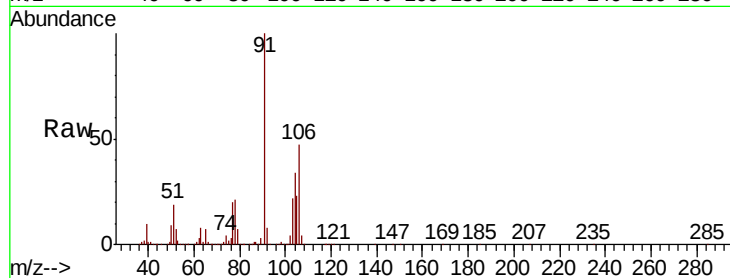
ClientSampled :

Tot Ion:106 Resp: 673875

Ion Ratio Lower Upper

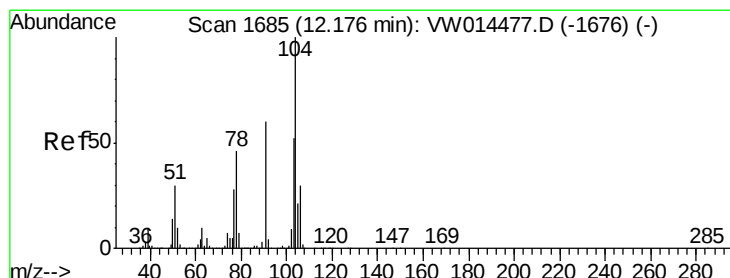
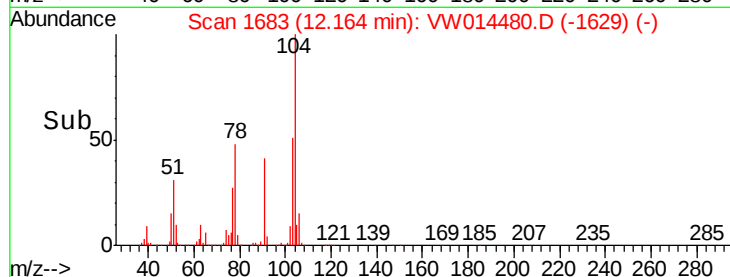
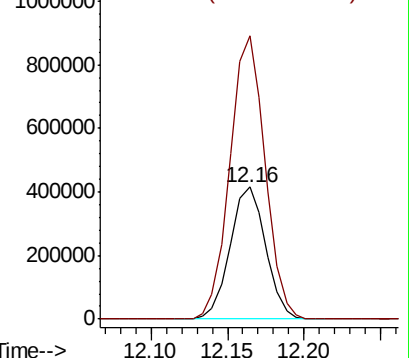
106 100

91 214.8 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.244 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014480.D

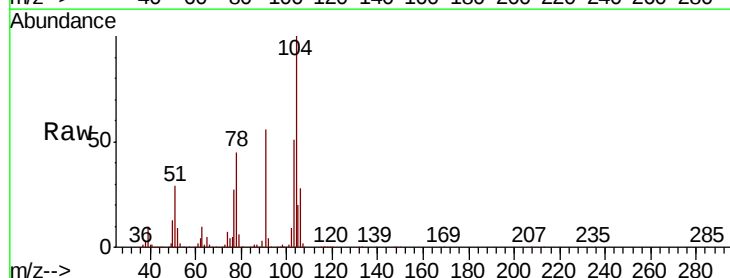
Acq: 27 Dec 2019 21:39

Tgt Ion:104 Resp: 1158143

Ion Ratio Lower Upper

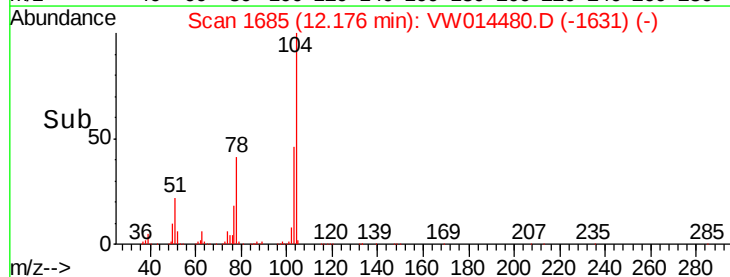
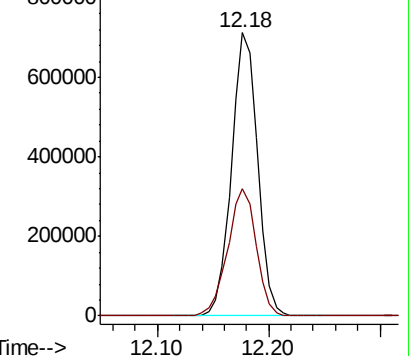
104 100

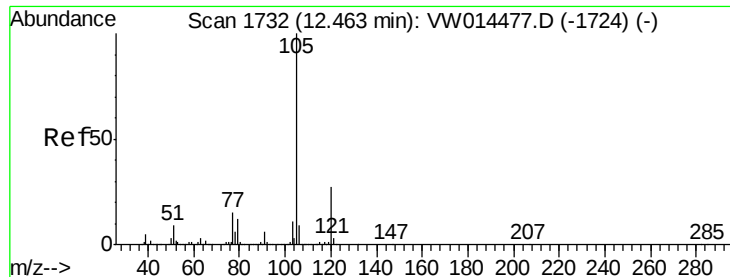
78 45.1 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.762 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

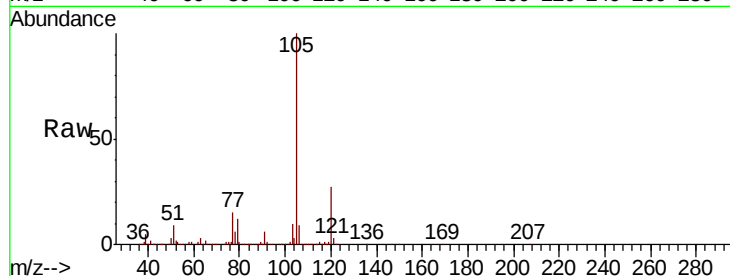
Tot Ion:105 Resp: 1797959

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

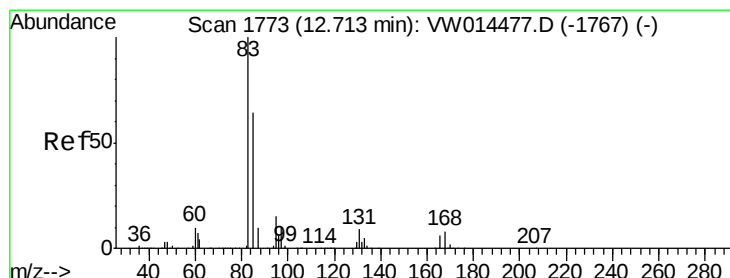
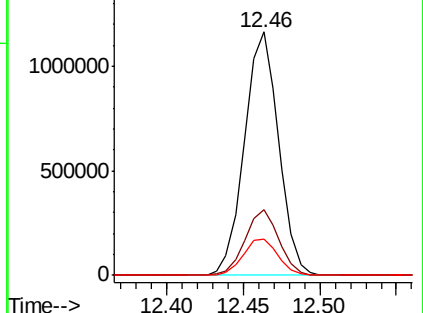
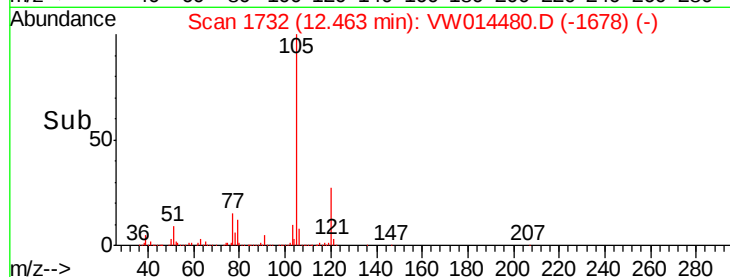
77 15.2 12.2 18.2



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: 27.545 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

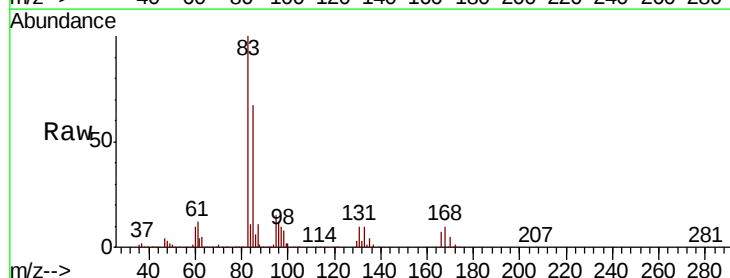
Tgt Ion: 83 Resp: 368725

Ion Ratio Lower Upper

83 100

85 66.5 45.3 84.1

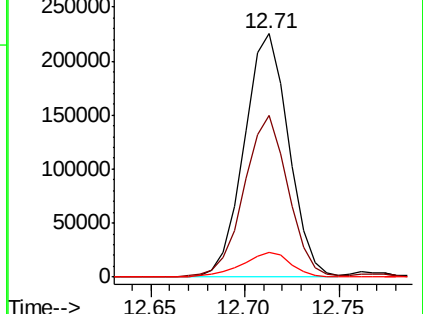
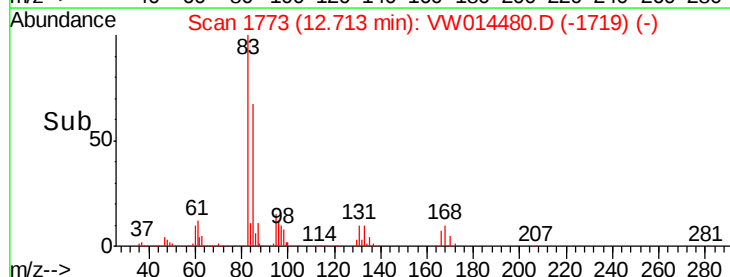
131 10.3 8.0 12.0

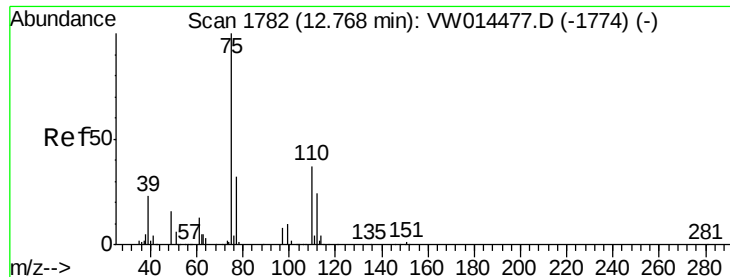


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.404 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

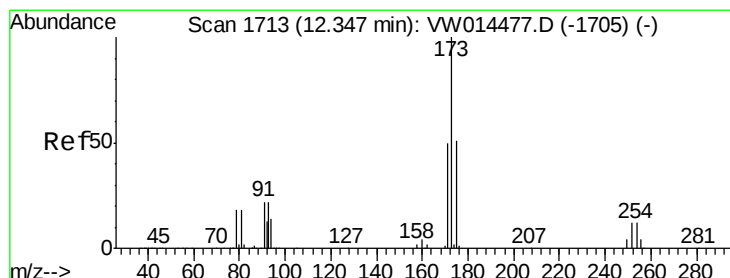
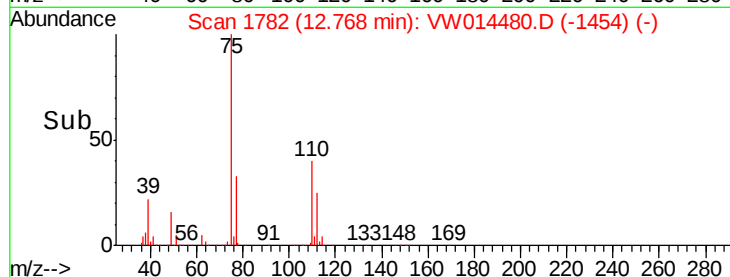
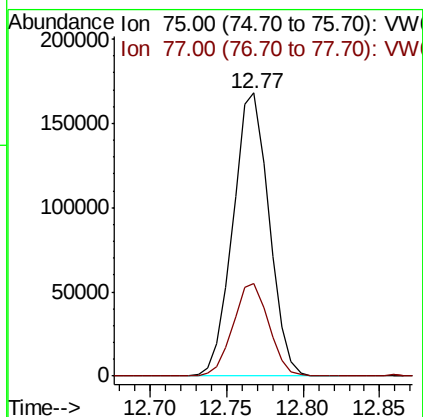
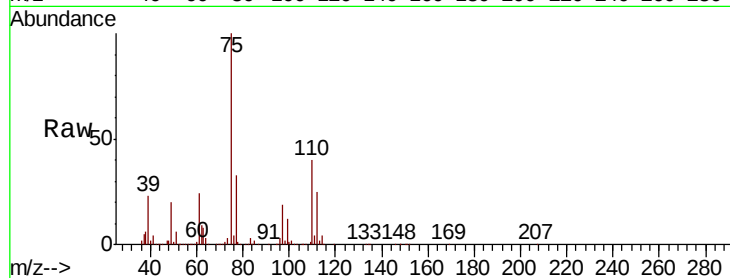
ClientSampleId :

Tot Ion: 75 Resp: 274801

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



#62

Bromoform

Concen: 27.287 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

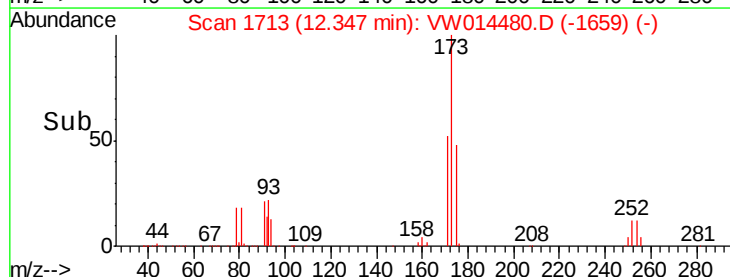
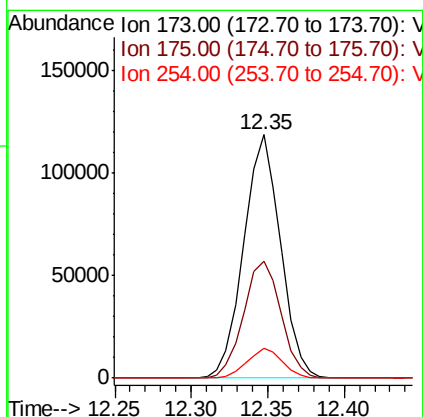
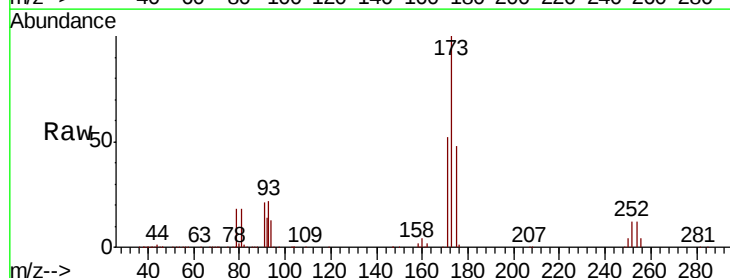
Tgt Ion: 173 Resp: 198068

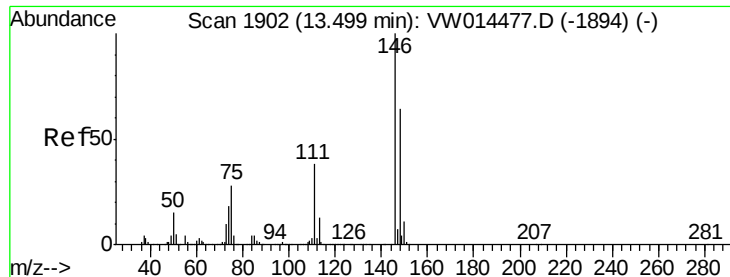
Ion Ratio Lower Upper

173 100

175 49.1 40.5 60.7

254 11.9 9.3 13.9

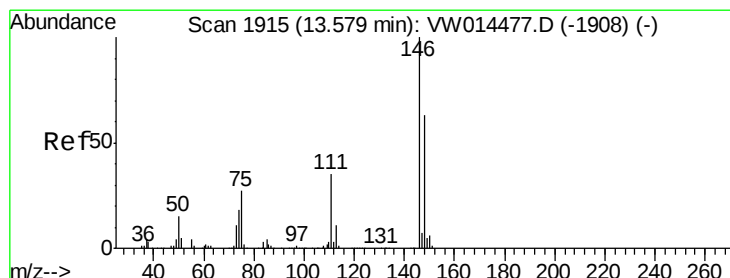
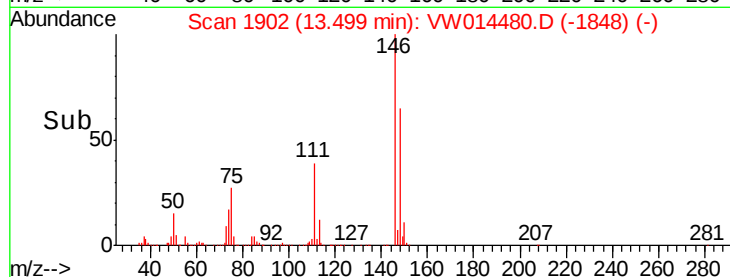
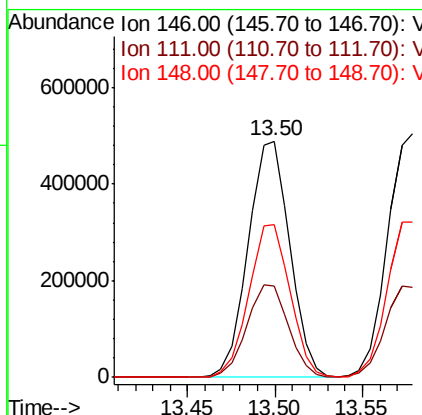
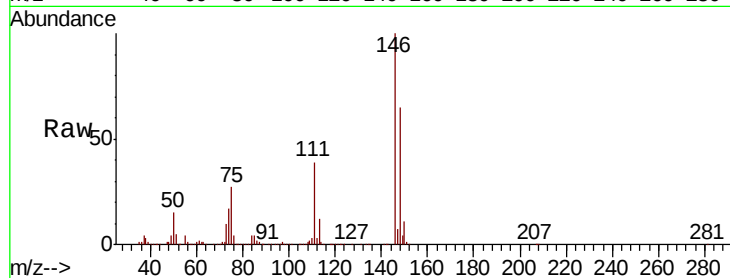




#63
 1,3-Dichlorobenzene
 Concen: 26.293 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

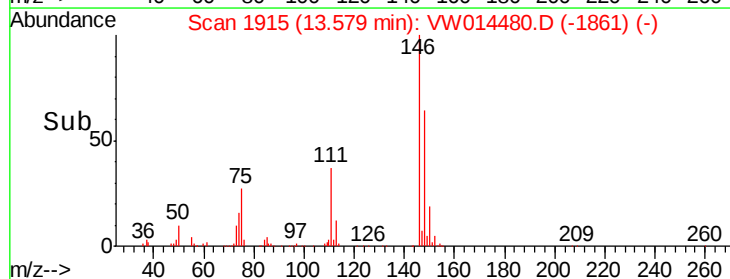
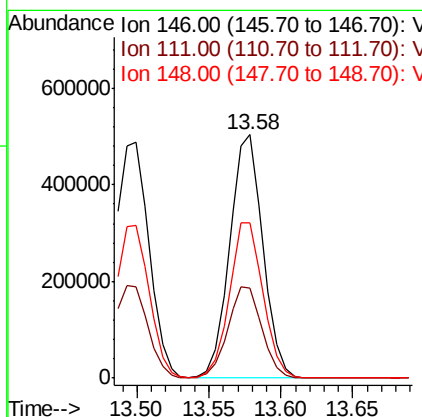
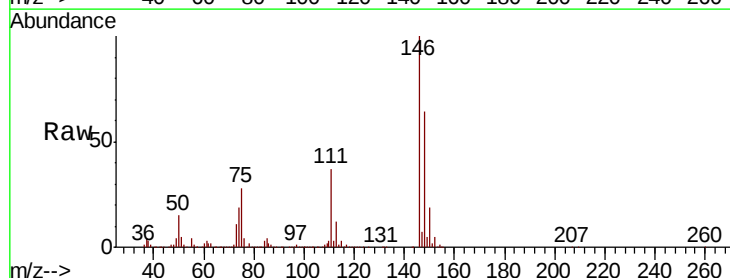
Instrument :
 MSVOA_W
 ClientSampleId :

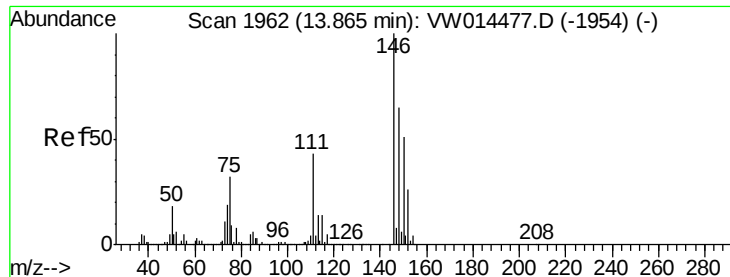
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	26.9	50.1
148	64.8	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.015 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014480.D
 Acq: 27 Dec 2019 21:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	24.5	45.5
148	63.7	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 26.967 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

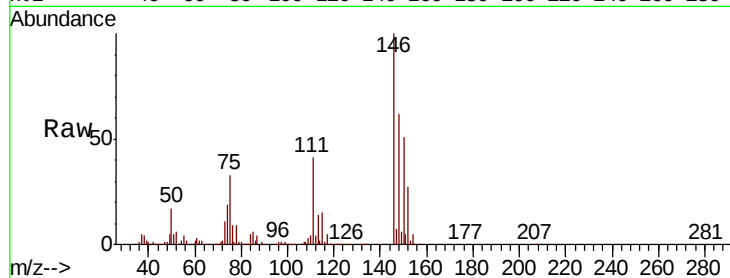
Tot Ion:146 Resp: 743452

Ion Ratio Lower Upper

146 100

111 40.8 34.2 51.2

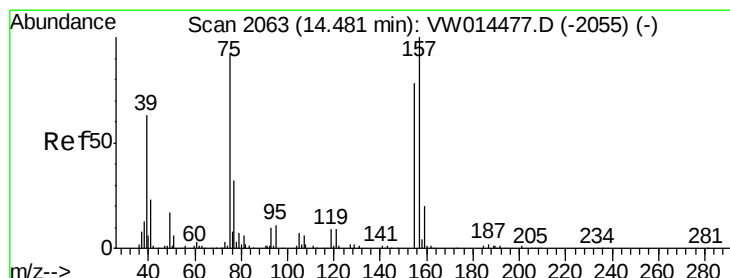
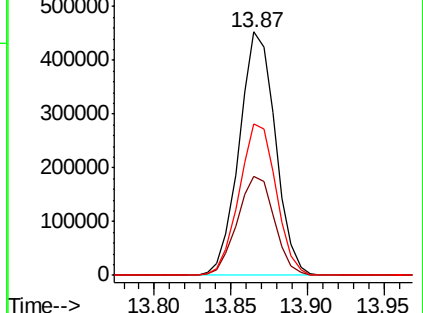
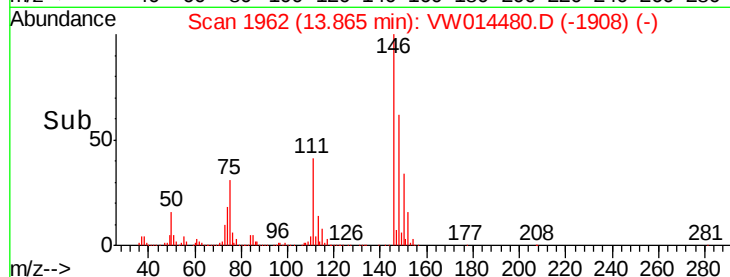
148 62.2 51.8 77.8



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: 28.848 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

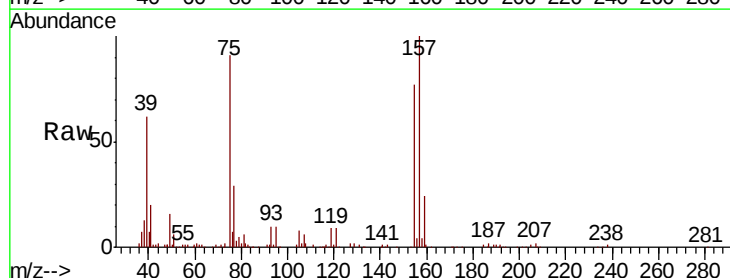
Tgt Ion: 75 Resp: 58893

Ion Ratio Lower Upper

75 100

157 109.4 87.2 130.8

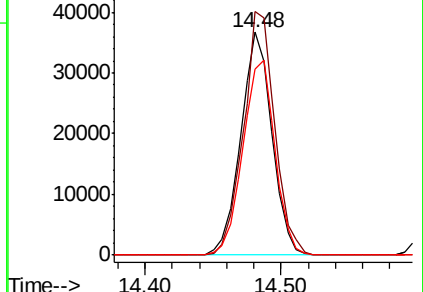
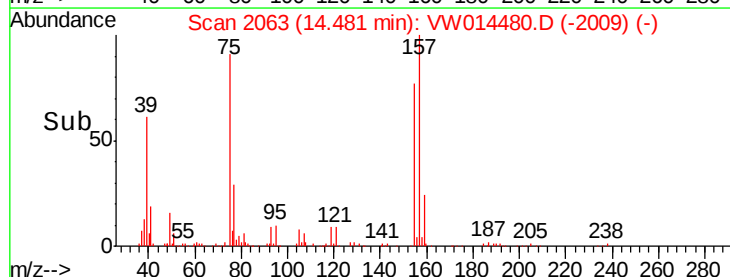
155 83.8 67.8 101.8

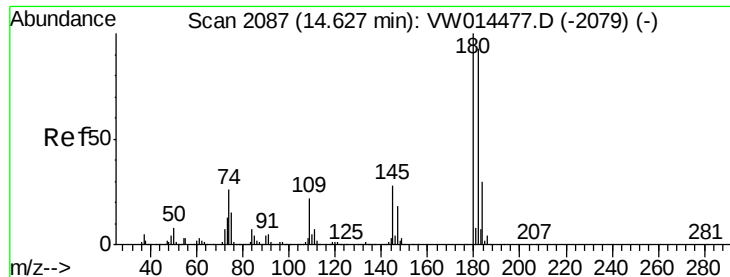


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 26.670 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

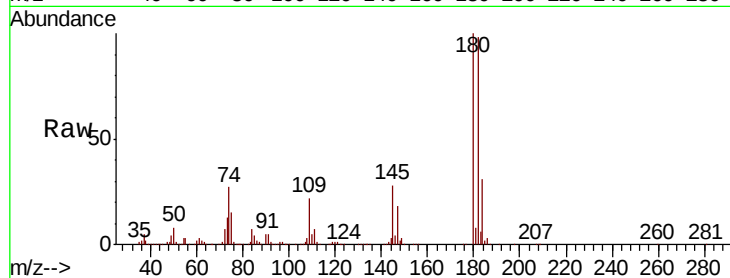
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:180 Resp: 607567

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
184	30.2	24.0	36.0
145	28.0	22.6	33.8

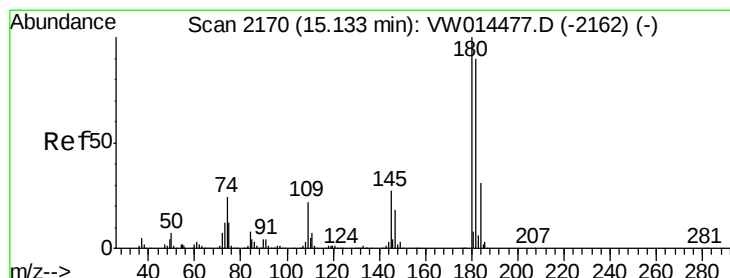
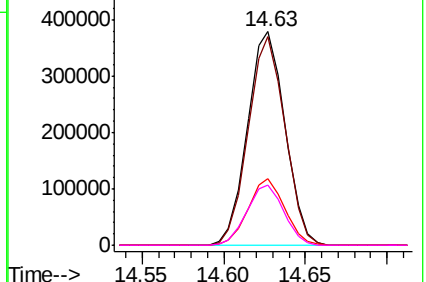
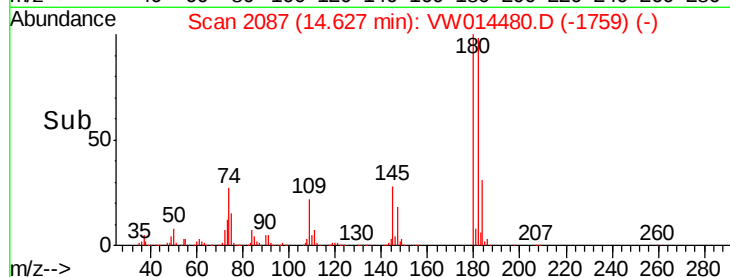


Abundance Ion 180.00 (179.70 to 180.70): V

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: 27.761 ug/L

RT: 15.13 min Scan# 2170

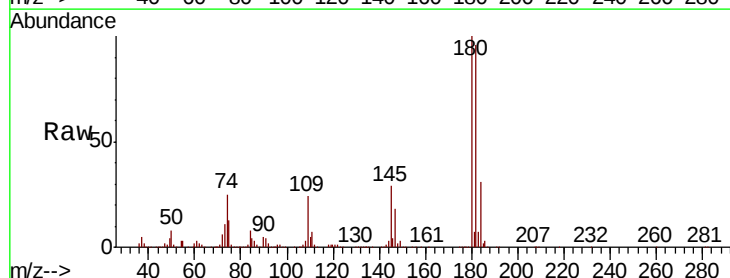
Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Tgt Ion:180 Resp: 474078

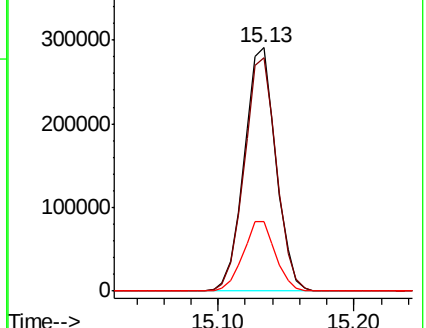
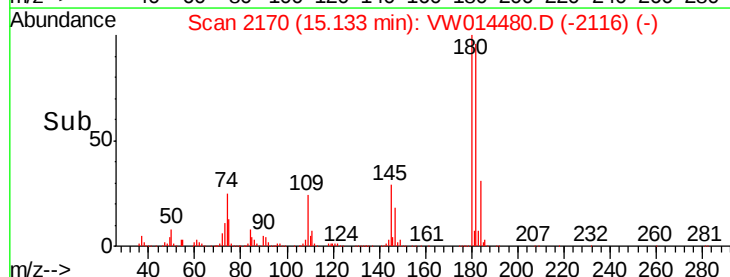
Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.2	114.4
145	29.1	23.1	34.7

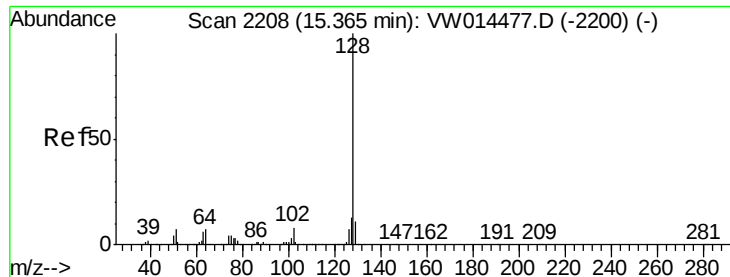


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 31.487 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

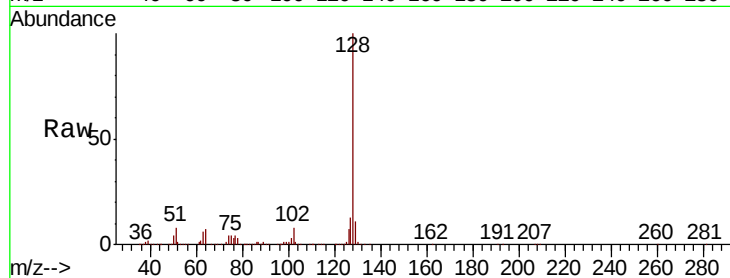
Tot Ion:128 Resp: 928320

Ion Ratio Lower Upper

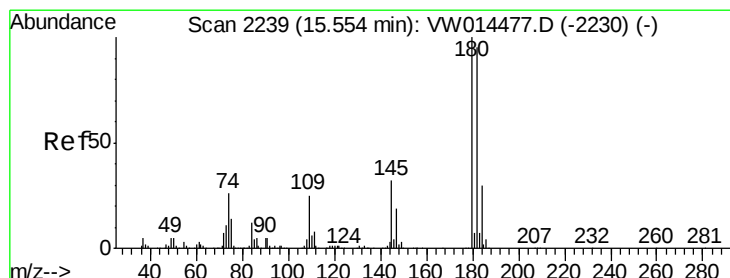
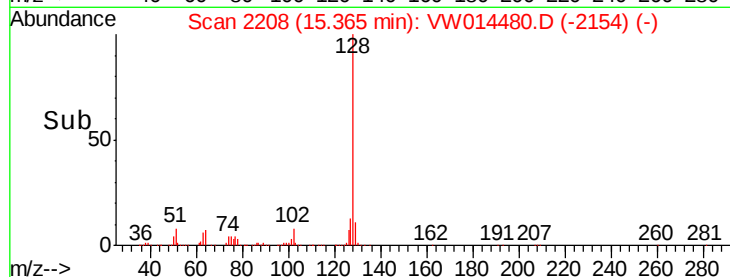
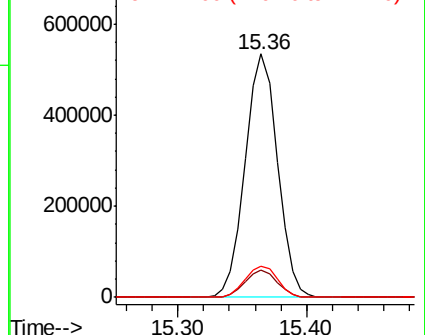
128 100

129 11.0 8.8 13.2

127 13.1 10.6 16.0



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



#70

1,2,3-Trichlorobenzene

Concen: 27.828 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014480.D

Acq: 27 Dec 2019 21:39

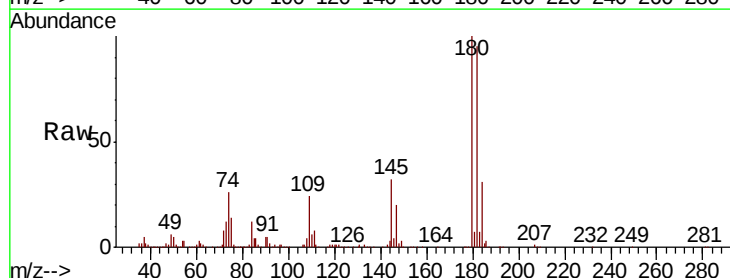
Tgt Ion:180 Resp: 430644

Ion Ratio Lower Upper

180 100

182 97.0 77.0 115.6

145 31.1 24.9 37.3



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

