

Data File : VW013961.D
Acq On : 11 Nov 2019 13:51
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Nov 12 06:01:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 11 13:59:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331510	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316570	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	188916	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	134152	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.44%
7) Chloroethane-d5	2.89	69	109807	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.44%
10) 1,1-Dichloroethene-d2	4.03	63	271366	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.00%
20) 2-Butanone-d5	7.07	46	87745	57.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.20%
24) Chloroform-d	7.65	84	259498	25.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.84%
26) 1,2-Dichloroethane-d4	8.31	65	135342	26.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.64%
29) Benzene-d6	8.27	84	563734	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	9.27	67	168970	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.72%
37) Toluene-d8	10.32	98	536405	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.72%
38) trans-1,3-Dichloropropene-	10.57	79	77445	27.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.92%
39) 2-Hexanone-d5	10.92	63	74902	60.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139074	27.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	191520	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	95196	24.146 ug/L	96
3) Chloromethane	2.21	50	76963	21.978 ug/L	100
5) Vinyl chloride	2.36	62	137680	25.180 ug/L	96
6) Bromomethane	2.78	94	82265	24.301 ug/L	100
8) Chloroethane	2.92	64	80649	24.796 ug/L	94
9) Trichlorofluoromethane	3.26	101	86573	23.219 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140954	25.603 ug/L	99
12) 1,1-Dichloroethene	4.04	96	142627	25.486 ug/L	92
13) Acetone	4.12	43	75660	48.389 ug/L	98
14) Carbon disulfide	4.39	76	411363	25.826 ug/L	98
15) Methyl Acetate	4.67	43	75162	29.710 ug/L	99
16) Methylene chloride	4.92	84	149292	23.392 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	195183	27.035 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	149677	25.648 ug/L	96
19) 1,1-Dichloroethane	6.21	63	257499	26.196 ug/L	98
21) 2-Butanone	7.17	43	108222	53.874 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	161784	26.344 ug/L	99

Data File : VW013961.D
Acq On : 11 Nov 2019 13:51
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Nov 12 06:01:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 11 13:59:57 2019
Response via : Initial Calibration

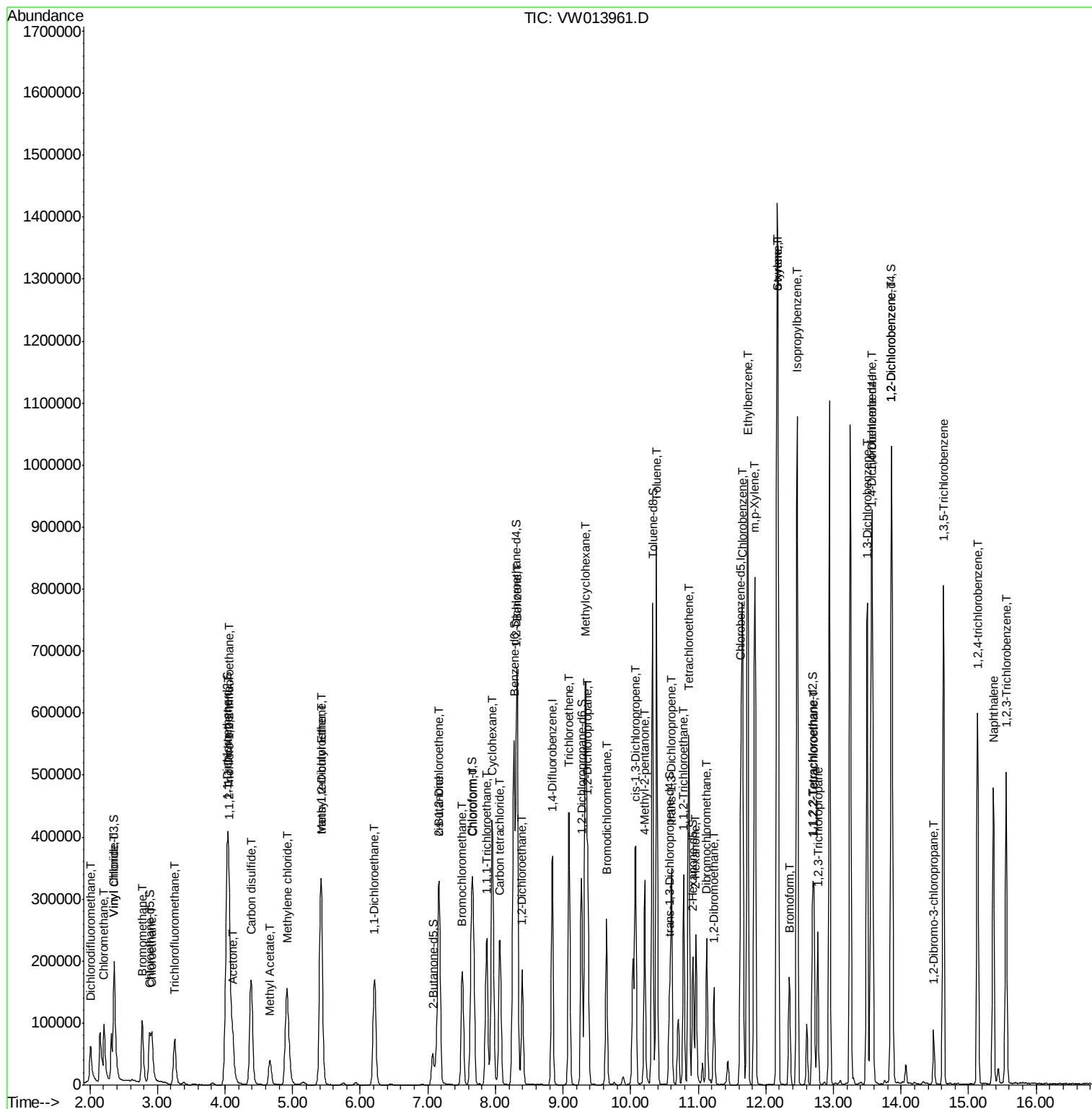
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72483	26.888	ug/L	95
25) Chloroform	7.67	83	253612	26.272	ug/L	99
27) 1,2-Dichloroethane	8.40	62	162624	27.826	ug/L	99
30) Cyclohexane	7.95	56	259966	25.661	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	200458	25.267	ug/L	99
32) Carbon tetrachloride	8.06	117	193440	25.400	ug/L	99
34) Benzene	8.32	78	595488	25.645	ug/L	100
35) Trichloroethene	9.09	95	157077	25.359	ug/L	99
36) Methylcyclohexane	9.33	83	284768	25.641	ug/L	99
40) 1,2-Dichloropropane	9.37	63	146211	26.157	ug/L	100
41) Bromodichloromethane	9.64	83	179726	26.596	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	239933	27.199	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	213684	57.898	ug/L	99
44) Toluene	10.38	91	651130	25.719	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	193431	27.729	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	112537	27.400	ug/L	98
47) Tetrachloroethene	10.86	164	142479	25.807	ug/L	96
49) 2-Hexanone	10.96	43	155285	58.360	ug/L	99
50) Dibromochloromethane	11.13	129	135194	28.005	ug/L	97
51) 1,2-Dibromoethane	11.23	107	109393	27.451	ug/L	96
52) Chlorobenzene	11.66	112	408812	25.758	ug/L	97
53) Ethylbenzene	11.73	91	720907	25.949	ug/L	100
54) m,p-Xylene	11.84	106	281725	26.094	ug/L	99
55) o-xylene	12.16	106	265442	26.255	ug/L	100
56) Styrene	12.18	104	457851	26.808	ug/L	98
57) Isopropylbenzene	12.46	105	727033	26.154	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	138259	28.833	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	102353	28.381	ug/L	100
62) Bromoform	12.35	173	86319	27.881	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	340626	25.679	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	335473	25.597	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	300199	25.557	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	21801	27.253	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	268269	26.537	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	219499	27.614	ug/L	99
69) Naphthalene	15.36	128	420115	29.750	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	193642	27.604	ug/L	99

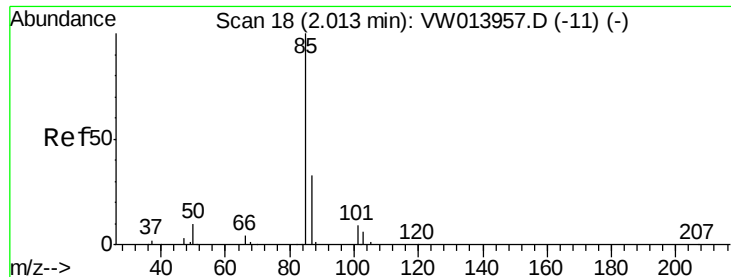
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013961.D
Acq On : 11 Nov 2019 13:51
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Nov 12 06:01:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 11 13:59:57 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.146 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

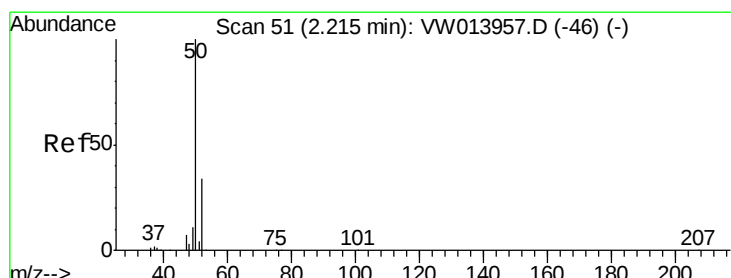
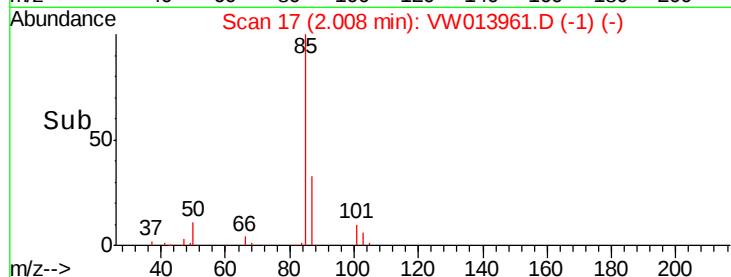
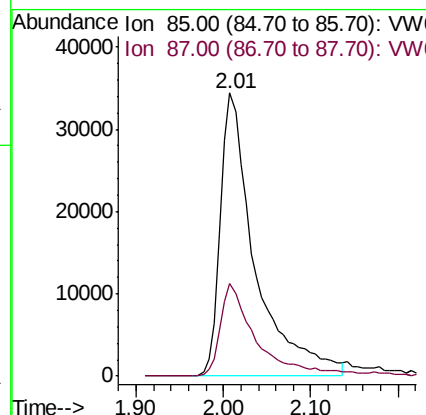
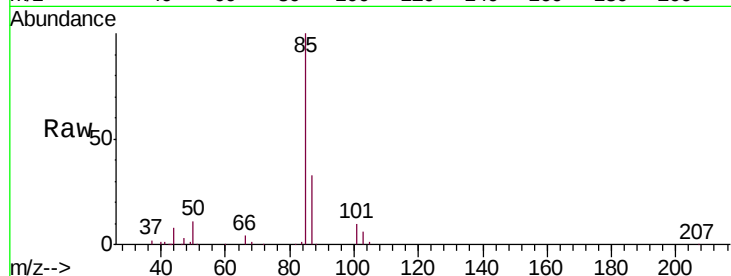
VSTD02523

Tgt Ion: 85 Resp: 95196

Ion Ratio Lower Upper

85 100

87 29.6 22.1 41.1



#3

Chloromethane

Concen: 21.978 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW013961.D

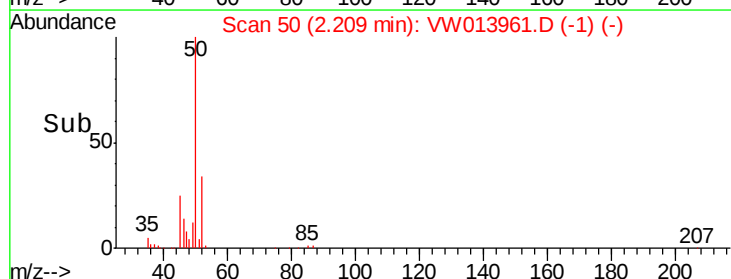
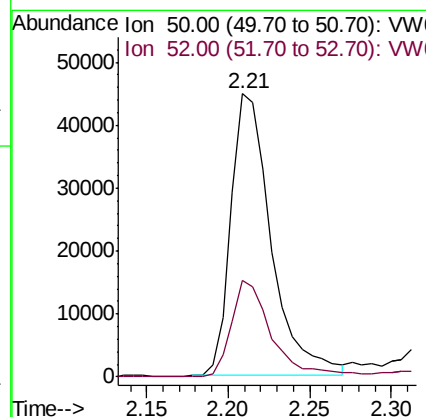
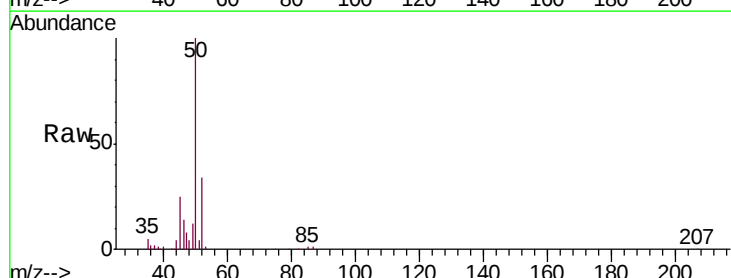
Acq: 11 Nov 2019 13:51

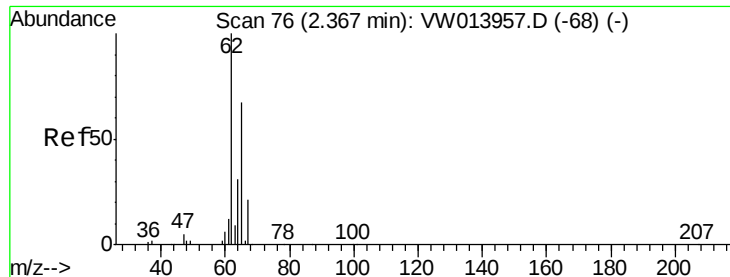
Tgt Ion: 50 Resp: 76963

Ion Ratio Lower Upper

50 100

52 34.0 23.8 44.2





#5

Vinyl chloride

Concen: 25.180 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

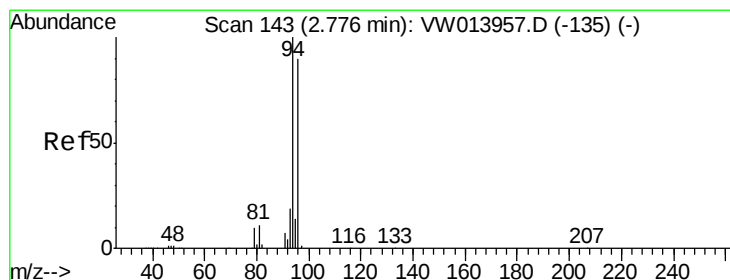
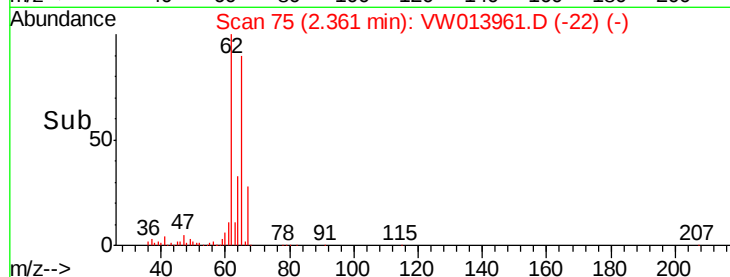
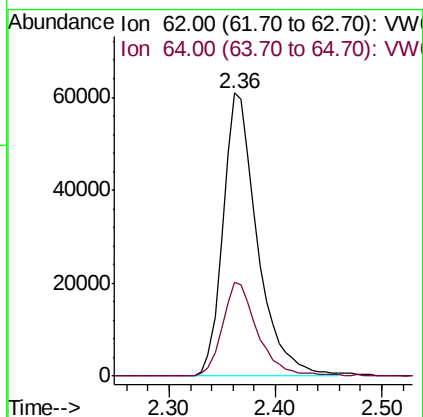
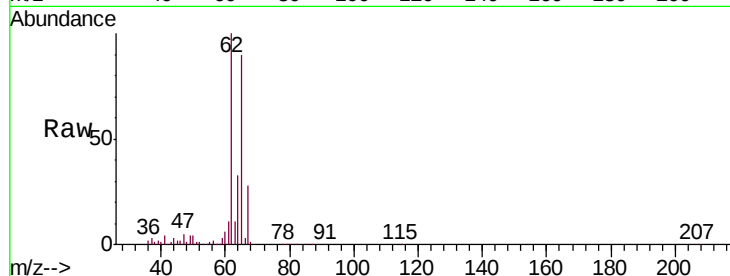
VSTD02523

Tgt Ion: 62 Resp: 137680

Ion Ratio Lower Upper

62 100

64 33.1 21.8 40.4



#6

Bromomethane

Concen: 24.301 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013961.D

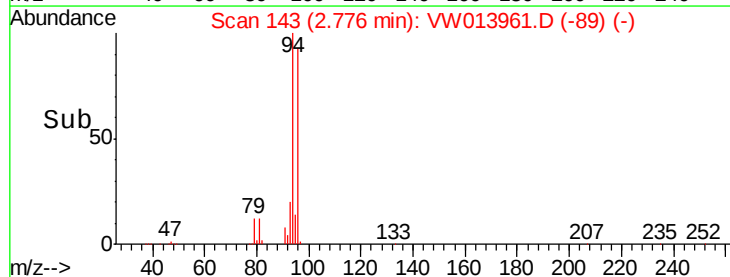
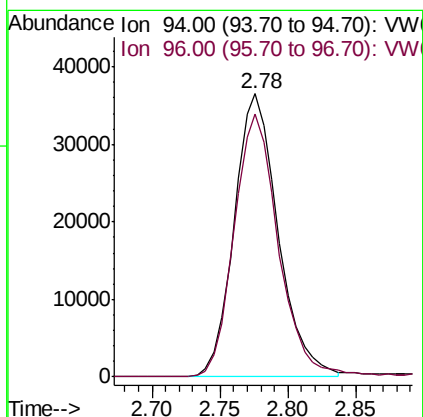
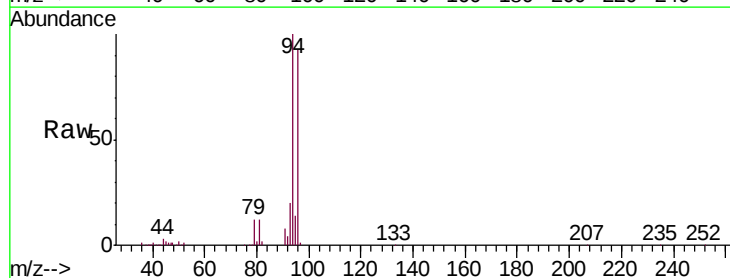
Acq: 11 Nov 2019 13:51

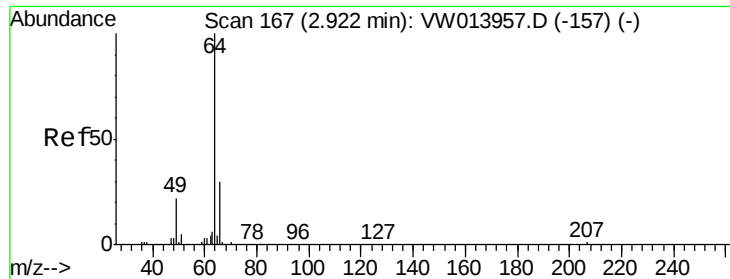
Tgt Ion: 94 Resp: 82265

Ion Ratio Lower Upper

94 100

96 93.9 9.4 178.8





#8

Chloroethane

Concen: 24.796 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

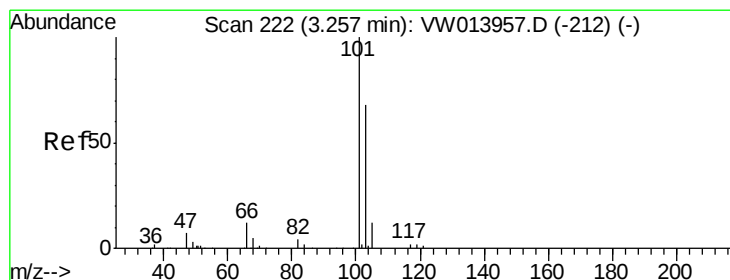
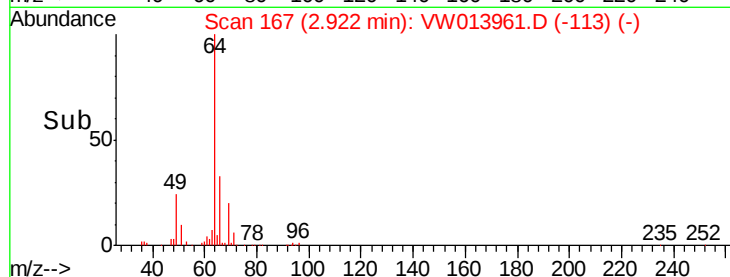
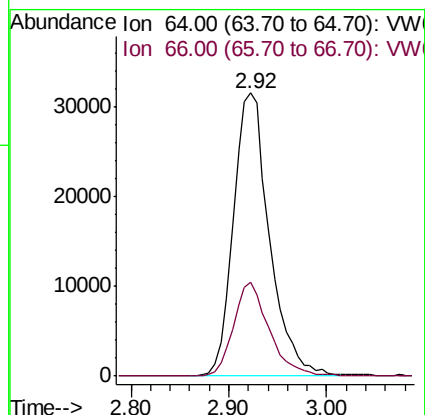
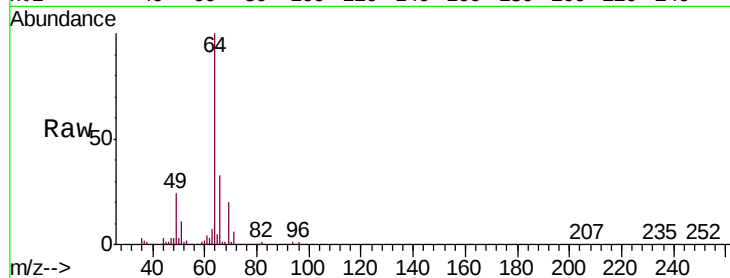
VSTD02523

Tgt Ion: 64 Resp: 80649

Ion Ratio Lower Upper

64 100

66 33.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 23.219 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW013961.D

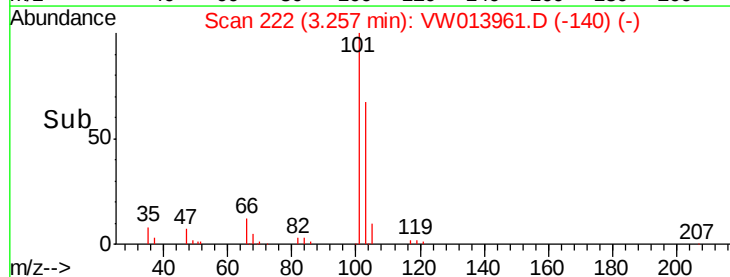
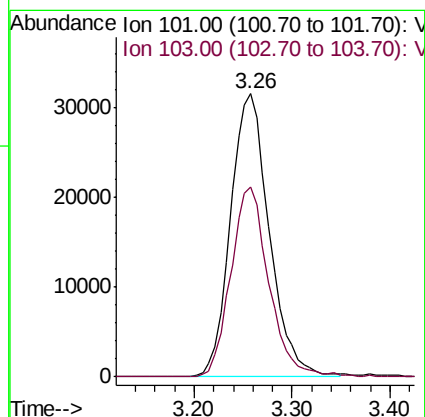
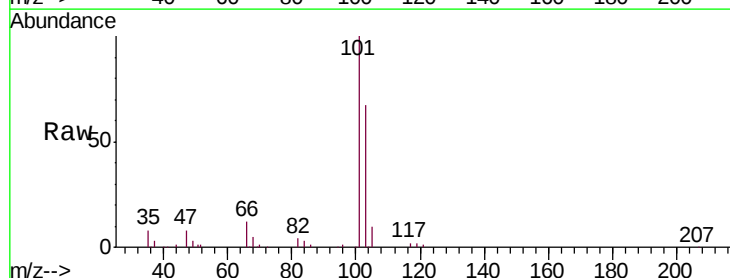
Acq: 11 Nov 2019 13:51

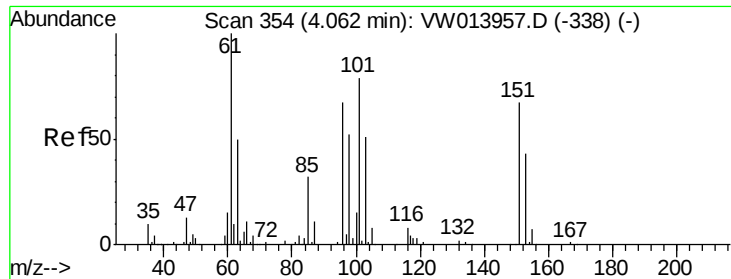
Tgt Ion: 101 Resp: 86573

Ion Ratio Lower Upper

101 100

103 65.3 45.4 84.2





#11

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

Concen: 25.603 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

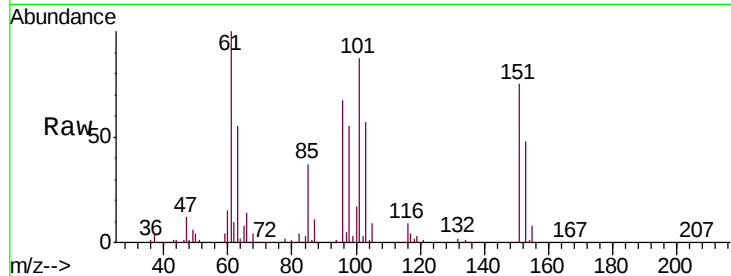
Tgt Ion:101 Resp: 140954

Ion Ratio Lower Upper

101 100

85 41.1 31.4 47.2

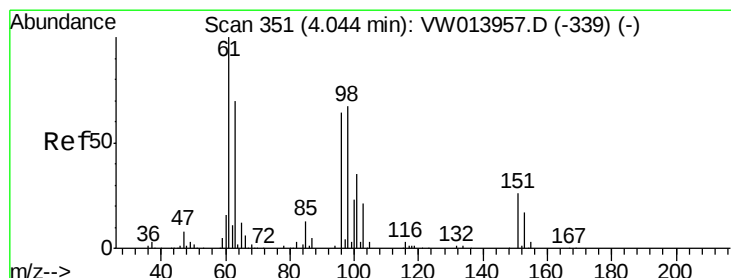
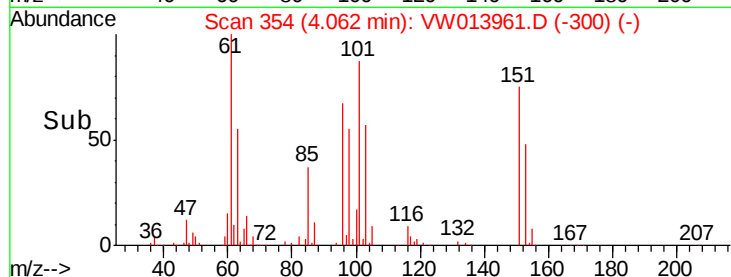
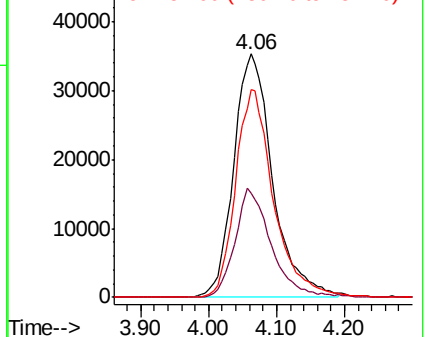
151 83.0 66.9 100.3



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: 25.486 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

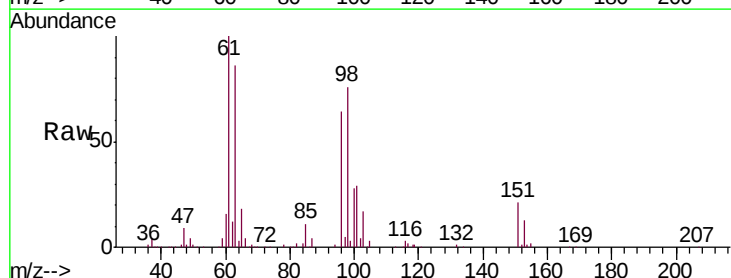
Tgt Ion: 96 Resp: 142627

Ion Ratio Lower Upper

96 100

61 157.1 109.8 204.0

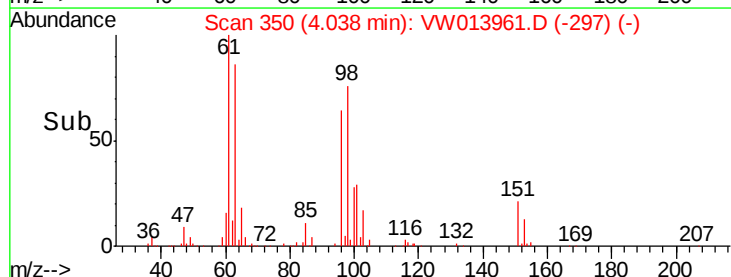
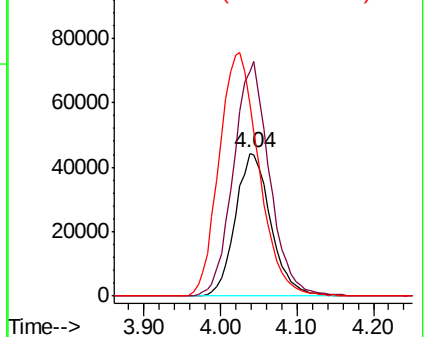
63 134.9 80.7 149.9

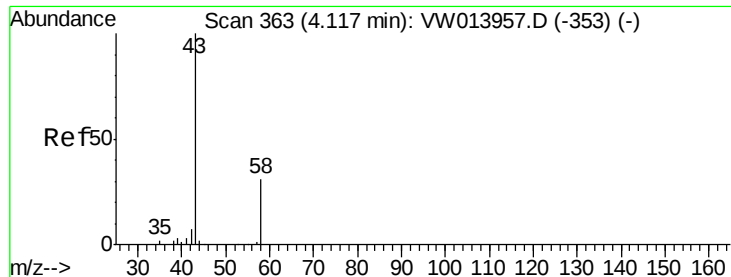


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.389 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

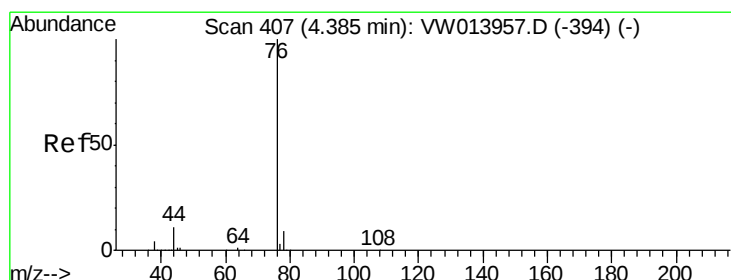
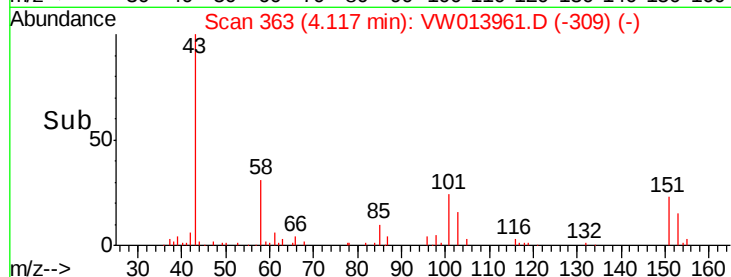
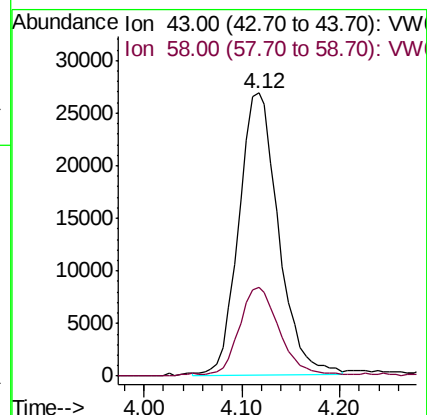
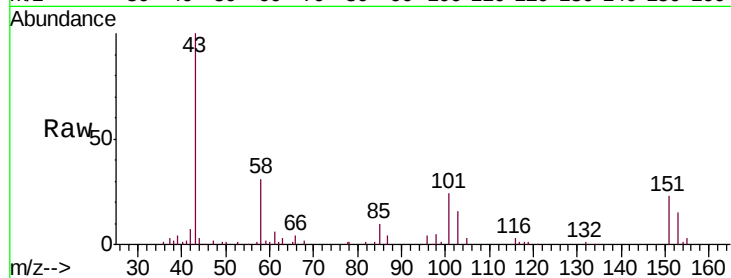
VSTD02523

Tgt Ion: 43 Resp: 75660

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.4



#14

Carbon disulfide

Concen: 25.826 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013961.D

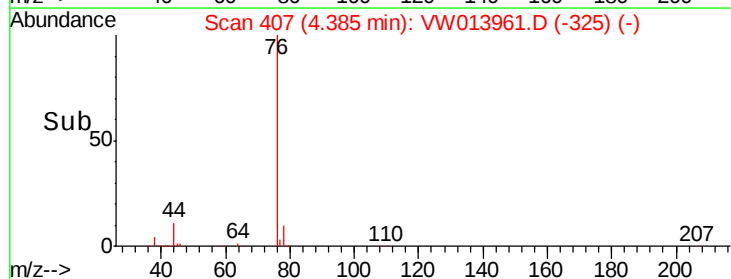
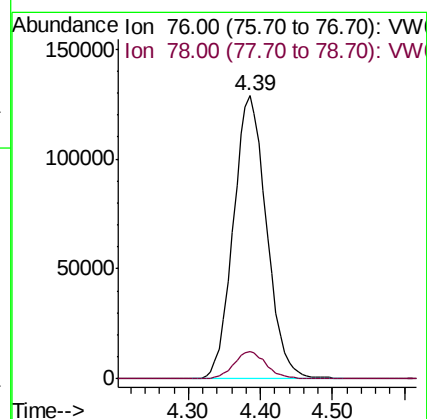
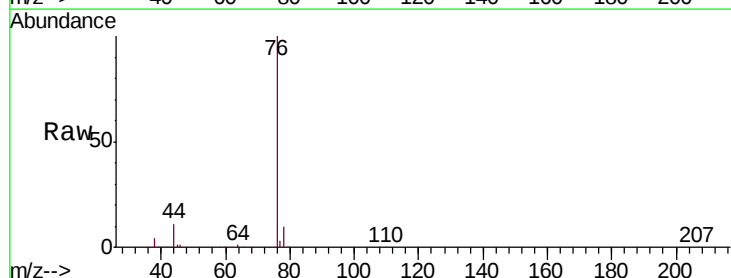
Acq: 11 Nov 2019 13:51

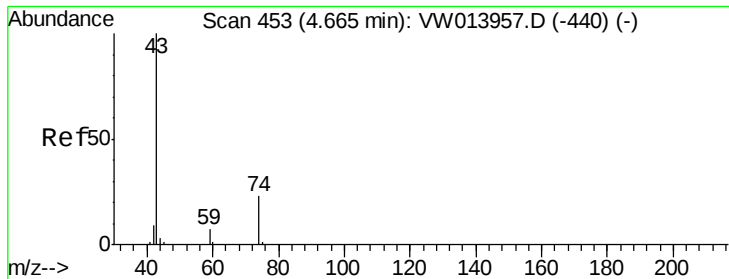
Tgt Ion: 76 Resp: 411363

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8





#15

Methyl Acetate

Concen: 29.710 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

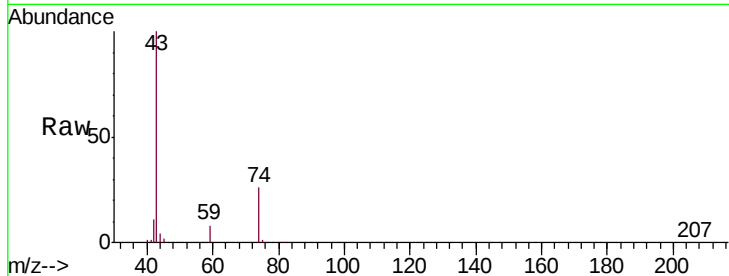
VSTD02523

Tgt Ion: 43 Resp: 75162

Ion Ratio Lower Upper

43 100

74 24.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

15000

10000

5000

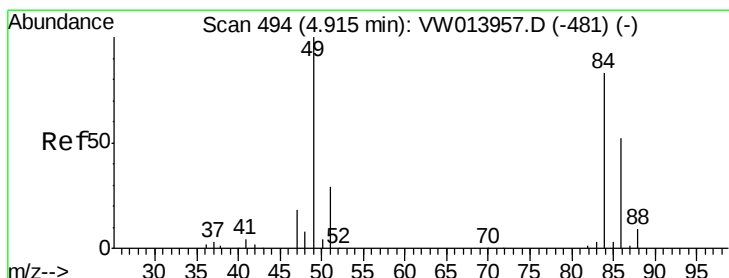
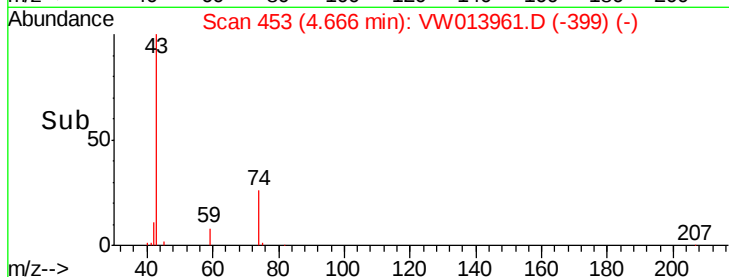
0

4.60

4.70

4.80

Time-->



#16

Methylene chloride

Concen: 23.392 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

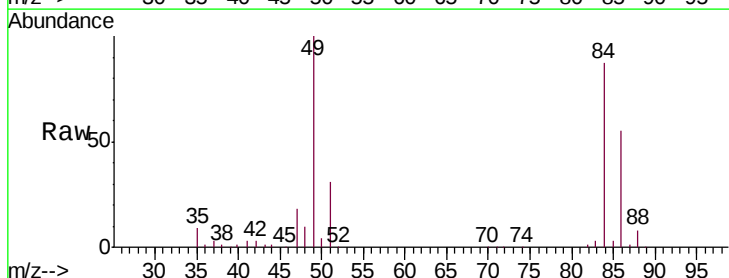
Tgt Ion: 84 Resp: 149292

Ion Ratio Lower Upper

84 100

49 114.5 84.2 156.4

86 62.4 43.7 81.1



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.92

60000

50000

40000

30000

20000

10000

0

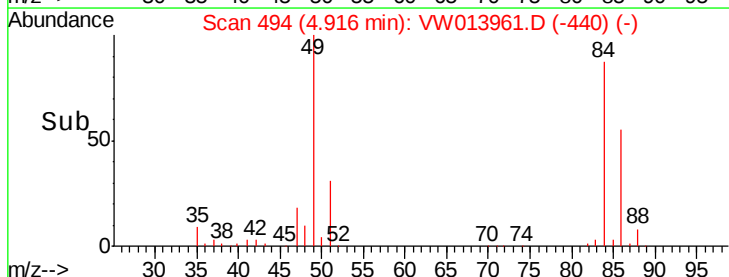
4.80

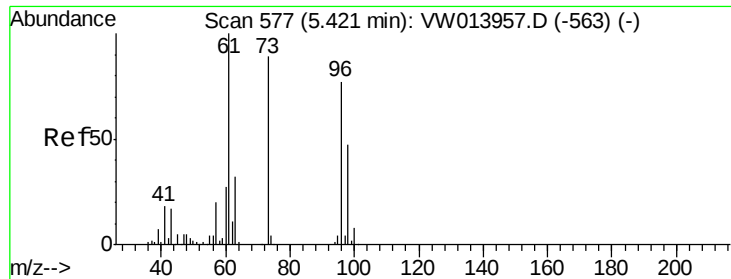
4.90

5.00

5.10

Time-->

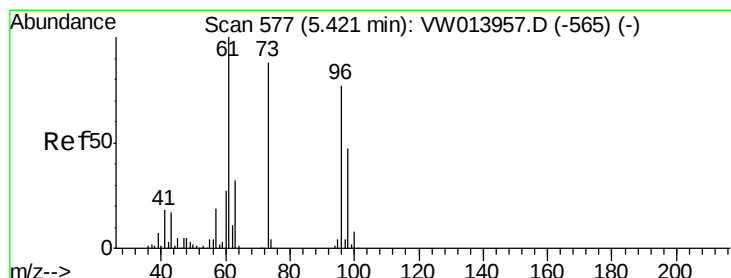
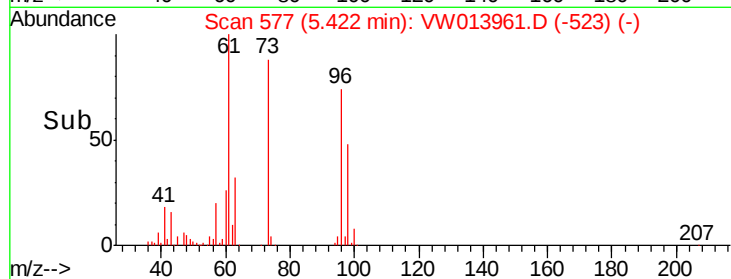
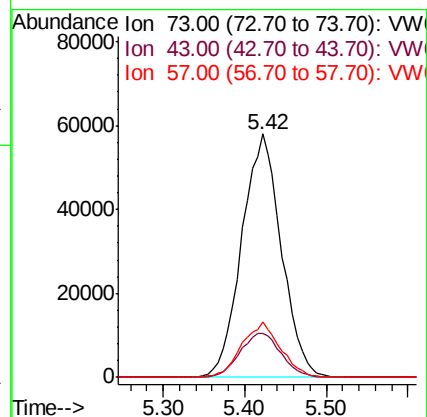
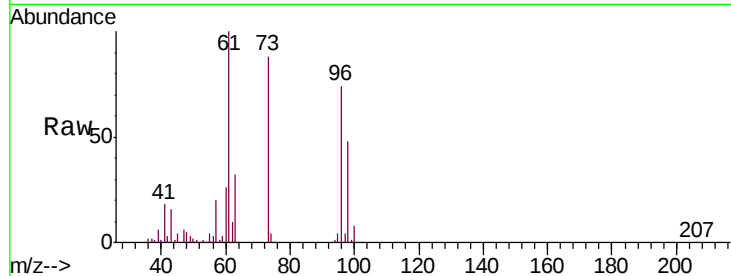




#17
Methyl tert-butyl Ether
Concen: 27.035 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

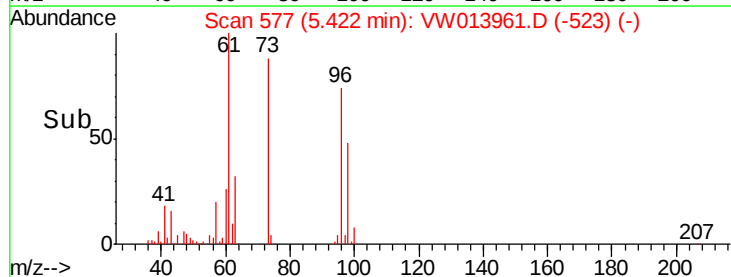
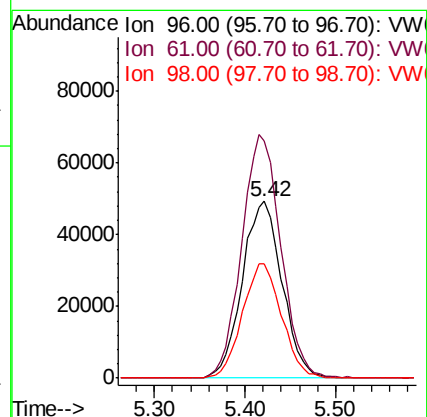
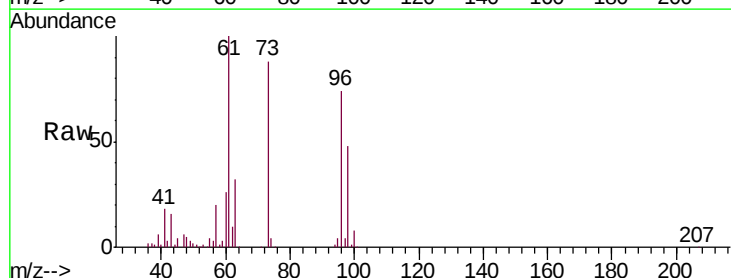
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

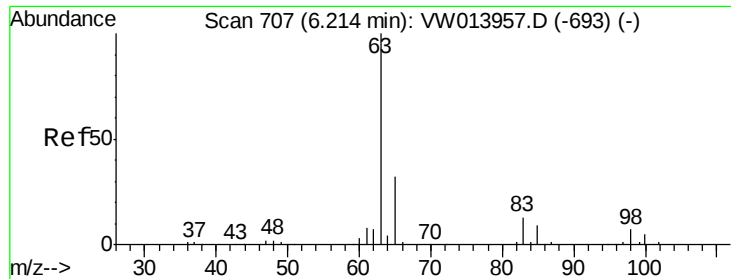
Tgt Ion: 73 Resp: 195183
Ion Ratio Lower Upper
73 100
43 18.7 15.5 23.3
57 22.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.648 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Tgt Ion: 96 Resp: 149677
Ion Ratio Lower Upper
96 100
61 134.5 90.6 168.2
98 64.5 42.9 79.7

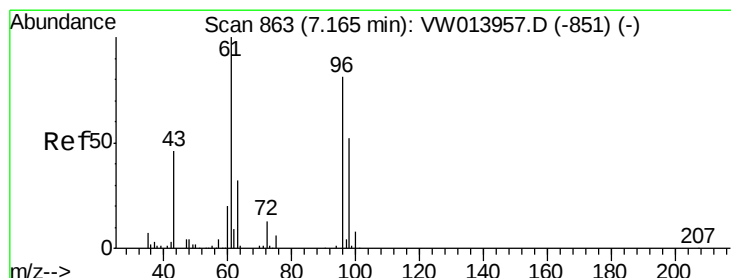
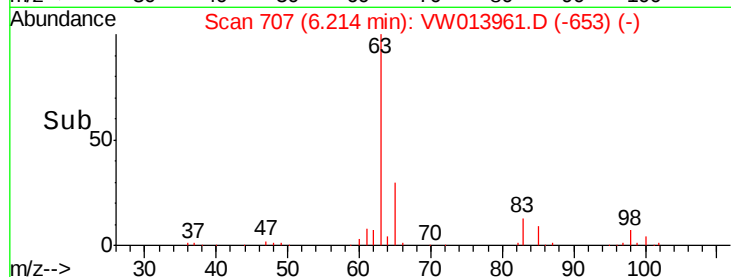
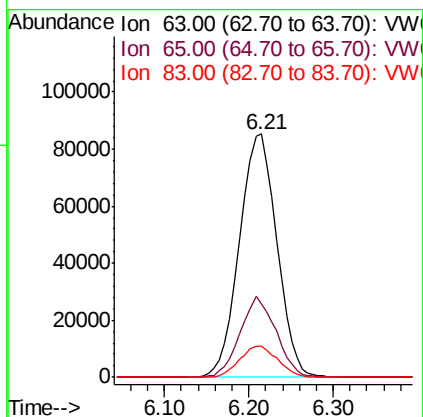
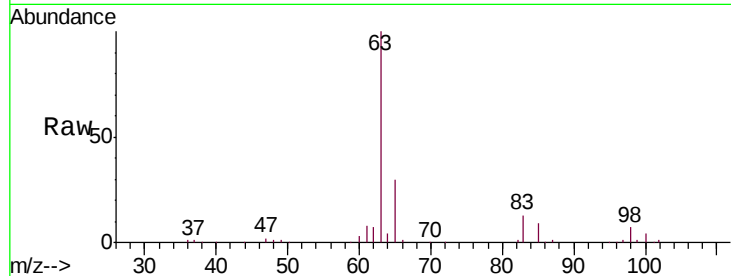




#19
 1,1-Dichloroethane
 Concen: 26.196 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

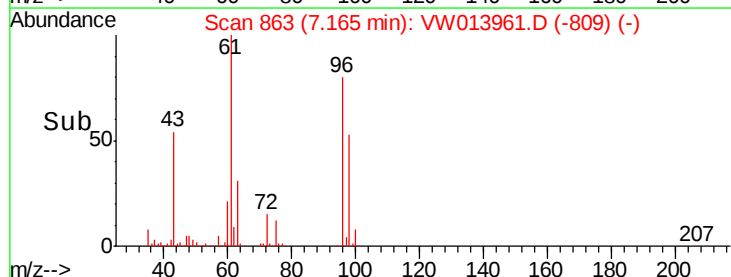
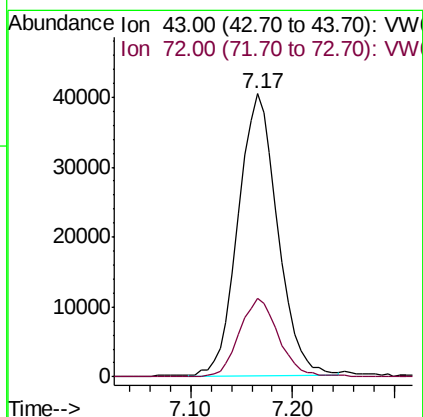
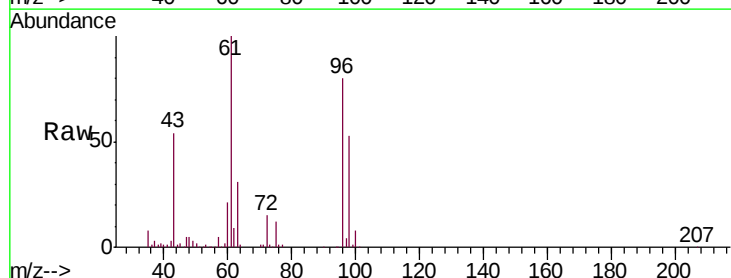
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02523

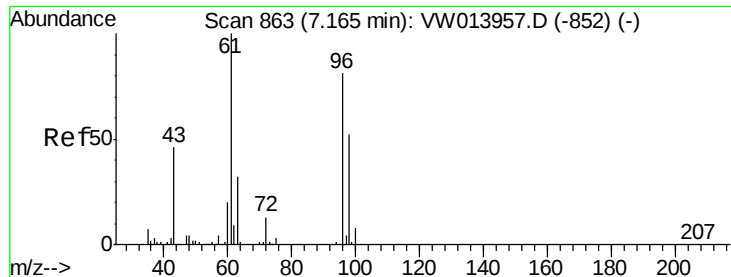
Tgt Ion: 63 Resp: 257499
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.1 41.1
 83 12.7 9.0 16.6



#21
 2-Butanone
 Concen: 53.874 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

Tgt Ion: 43 Resp: 108222
 Ion Ratio Lower Upper
 43 100
 72 27.6 14.1 42.2



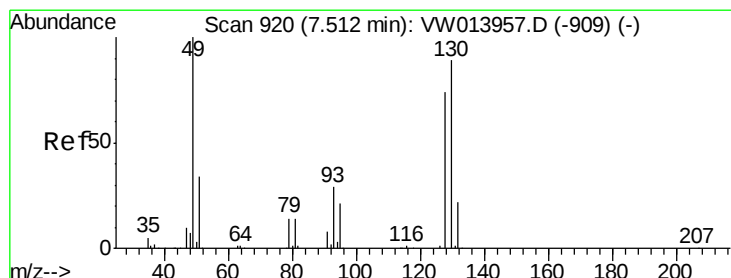
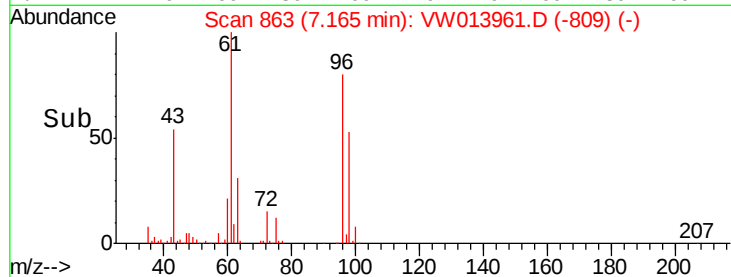
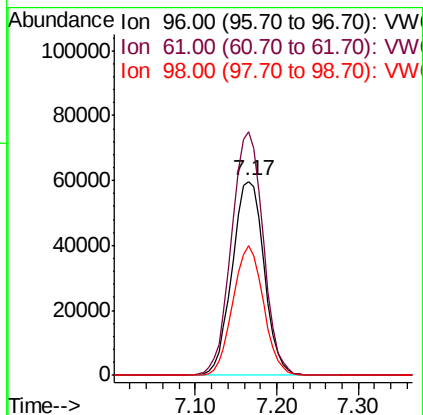
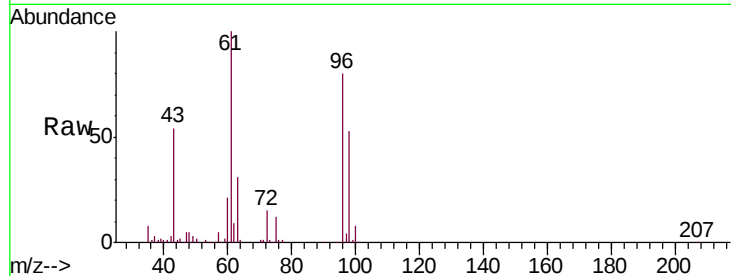


#22

cis-1,2-Dichloroethene
Concen: 26.344 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

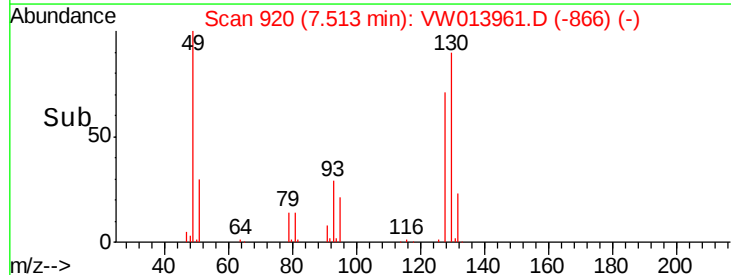
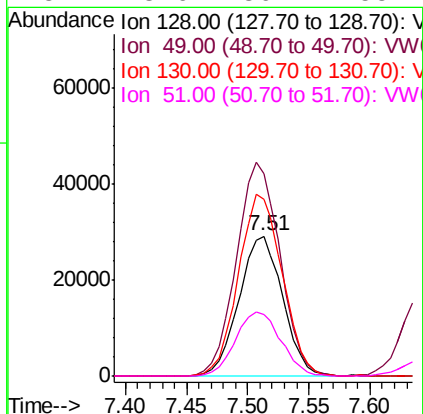
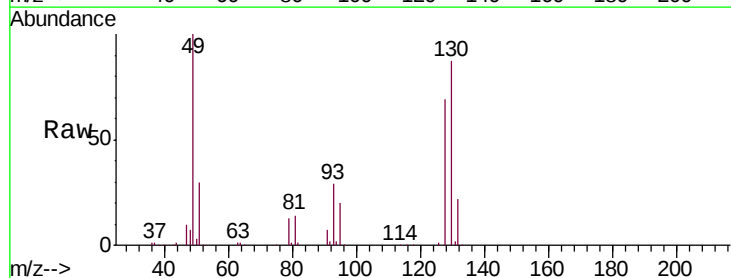
Tgt Ion: 96 Resp: 161784
Ion Ratio Lower Upper
96 100
61 125.4 86.9 161.5
98 66.5 45.5 84.5

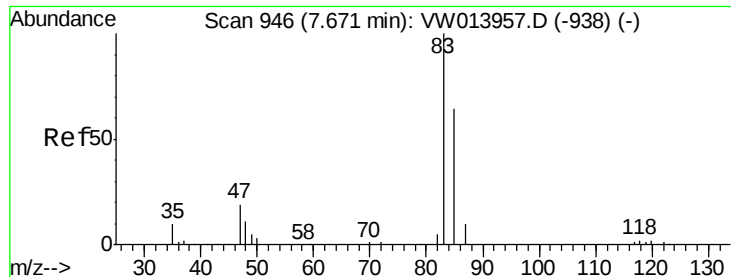


#23

Bromochloromethane
Concen: 26.888 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Tgt Ion: 128 Resp: 72483
Ion Ratio Lower Upper
128 100
49 144.5 95.1 176.5
130 126.2 85.0 158.0
51 43.6 36.7 55.1

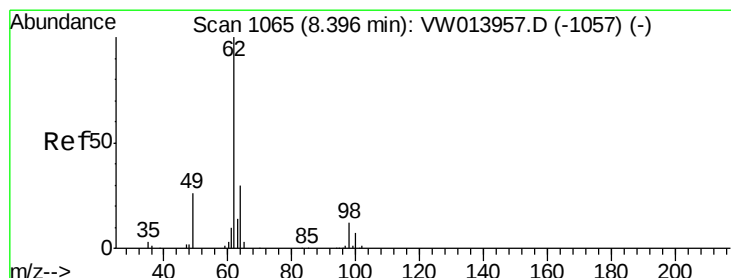
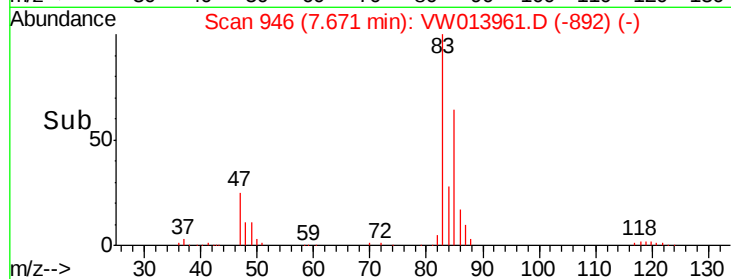
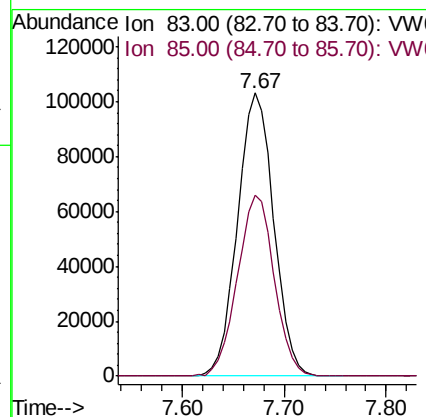
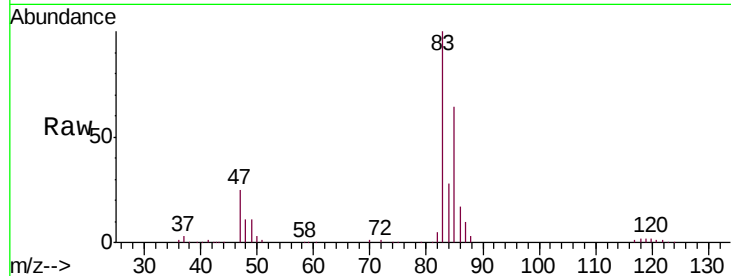




#25
Chloroform
Concen: 26.272 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

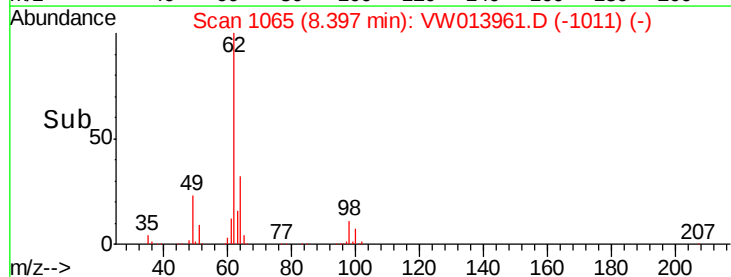
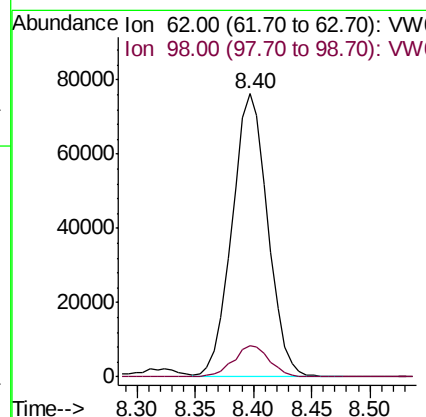
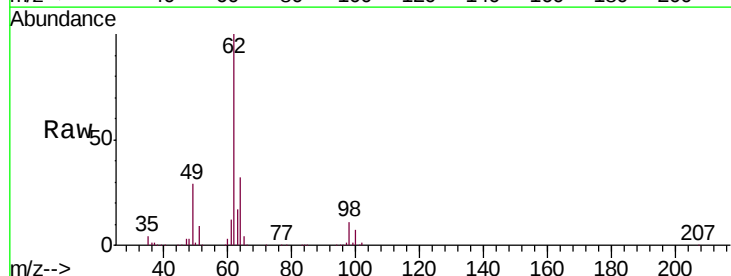
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

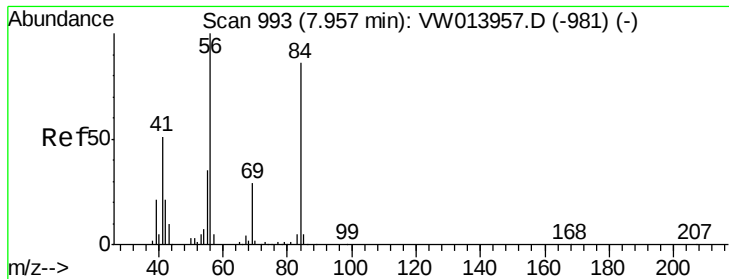
Tgt Ion: 83 Resp: 253612
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 27.826 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Tgt Ion: 62 Resp: 162624
Ion Ratio Lower Upper
62 100
98 11.1 9.3 13.9

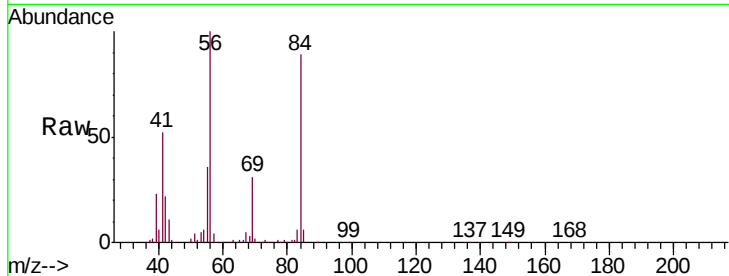




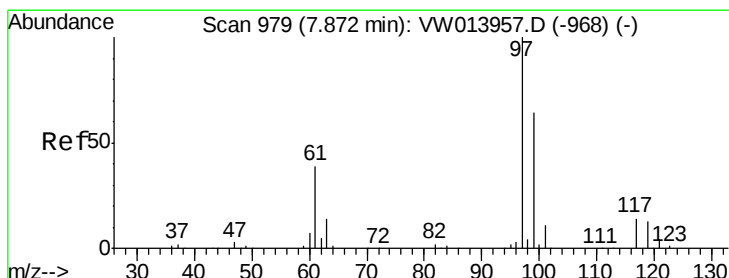
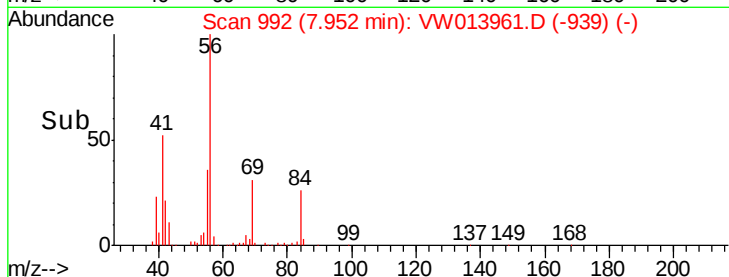
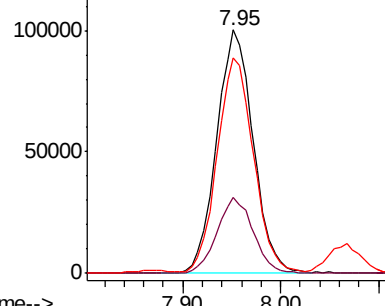
#30
Cyclohexane
Concen: 25.661 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Tgt Ion: 56 Resp: 259966
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 88.6 70.2 105.2

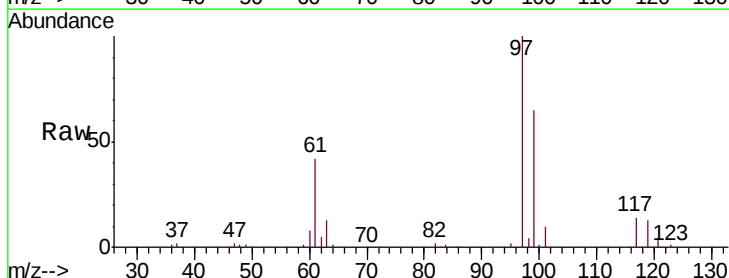


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

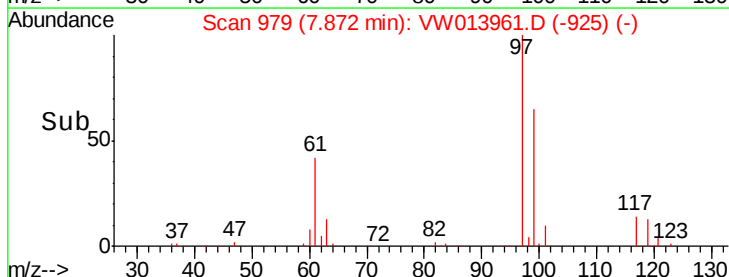
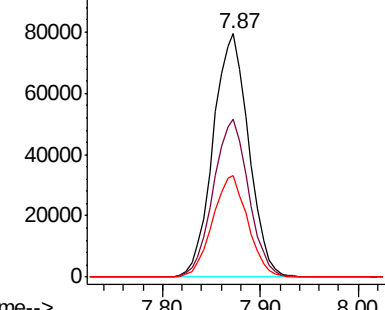


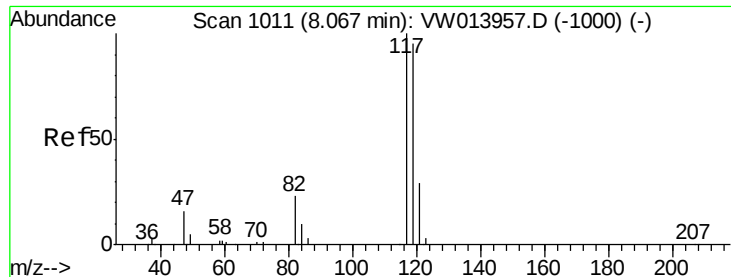
#31
1,1,1-Trichloroethane
Concen: 25.267 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Tgt Ion: 97 Resp: 200458
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 41.2 32.8 49.2



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: 25.400 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

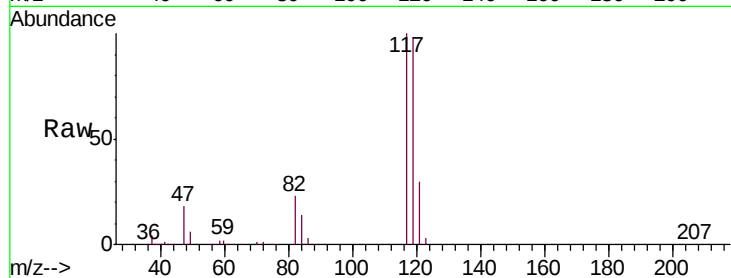
VSTD02523

Tgt Ion:117 Resp: 193440

Ion Ratio Lower Upper

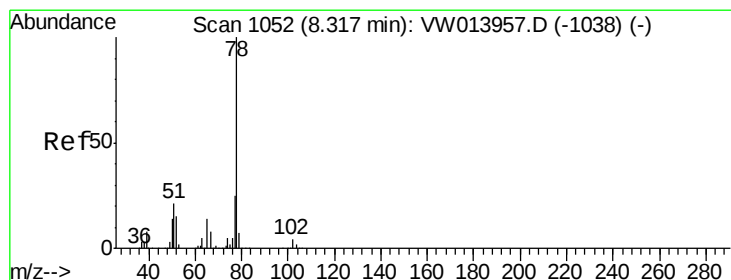
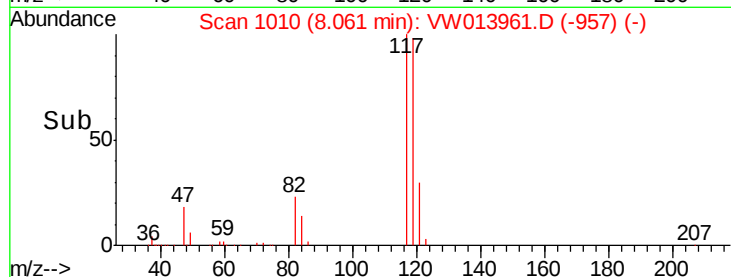
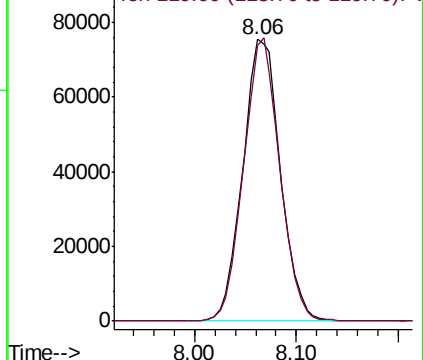
117 100

119 96.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.645 ug/L

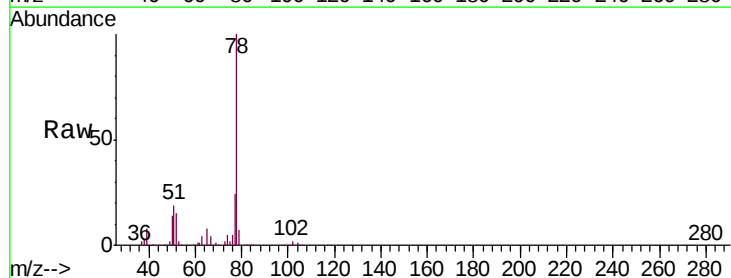
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

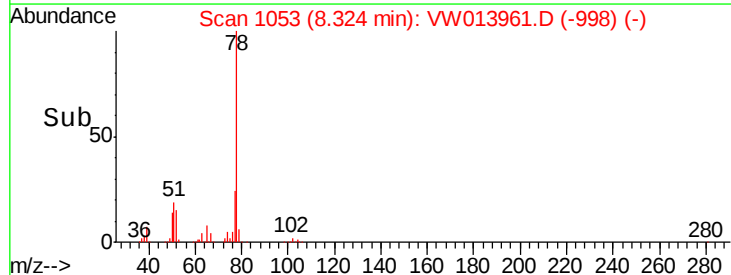
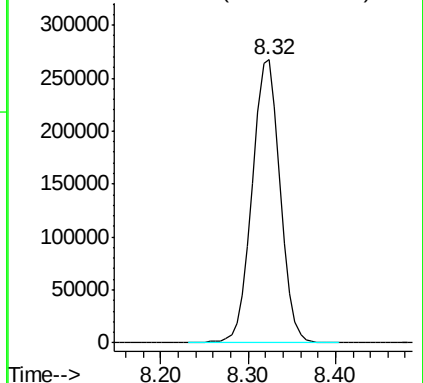
Lab File: VW013961.D

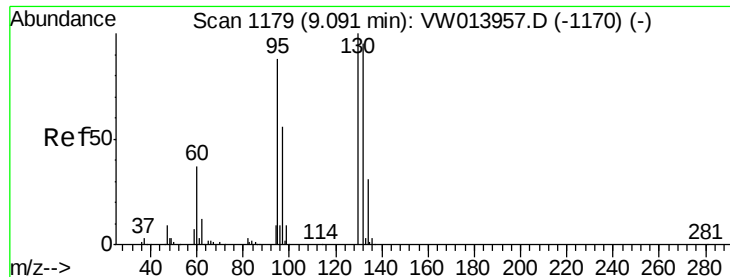
Acq: 11 Nov 2019 13:51

Tgt Ion: 78 Resp: 595488



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.359 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 95 Resp: 157077

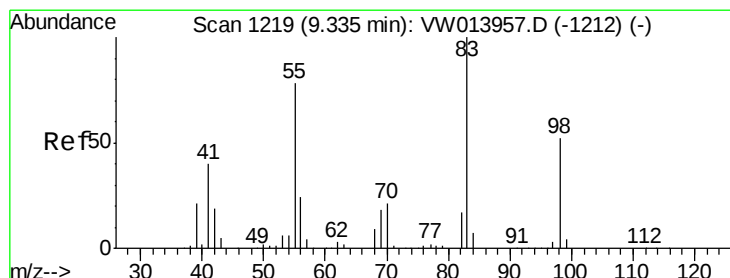
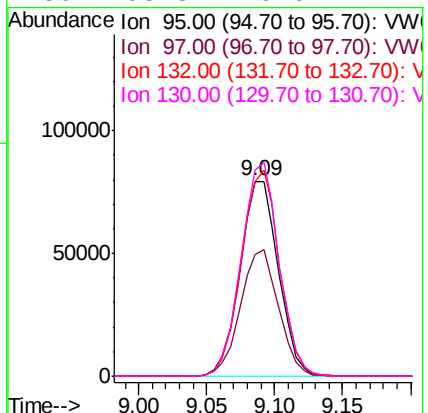
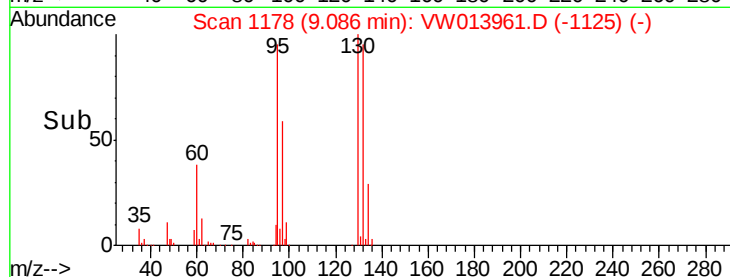
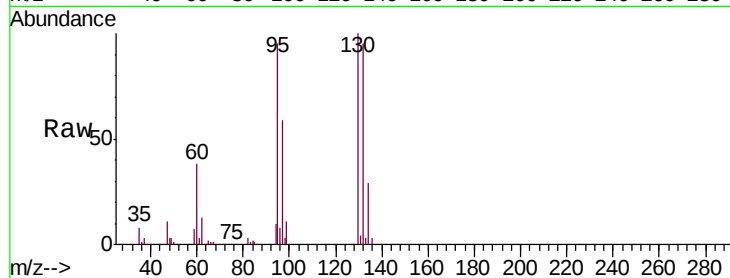
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.9

132 104.8 73.7 136.9

130 108.3 76.6 142.2



#36

Methylcyclohexane

Concen: 25.641 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

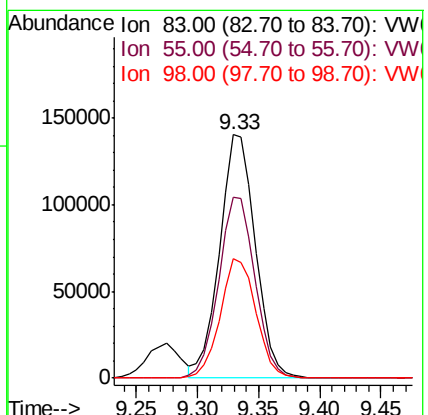
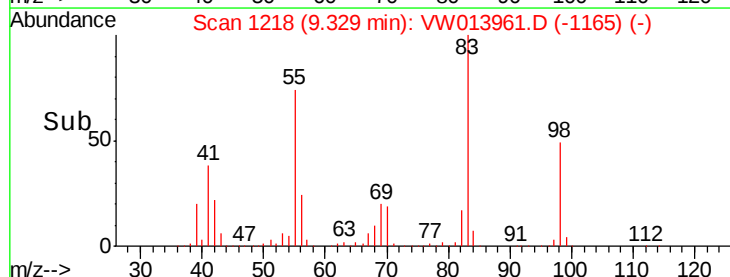
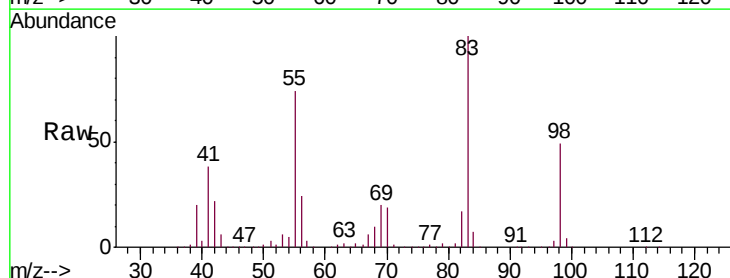
Tgt Ion: 83 Resp: 284768

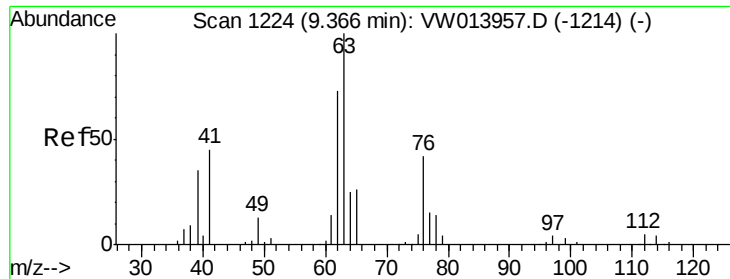
Ion Ratio Lower Upper

83 100

55 75.2 59.8 89.8

98 49.0 39.5 59.3

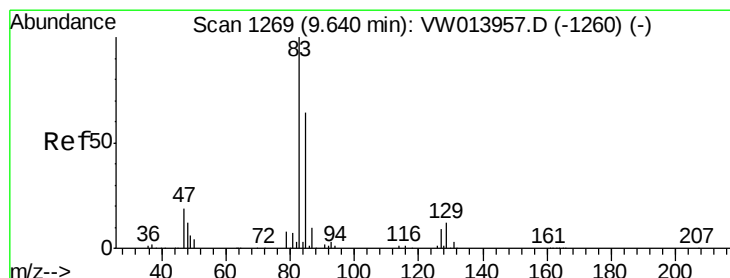
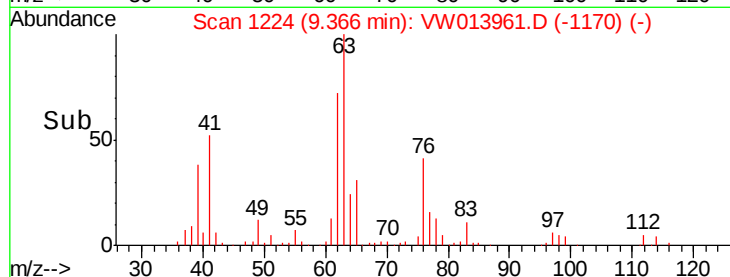
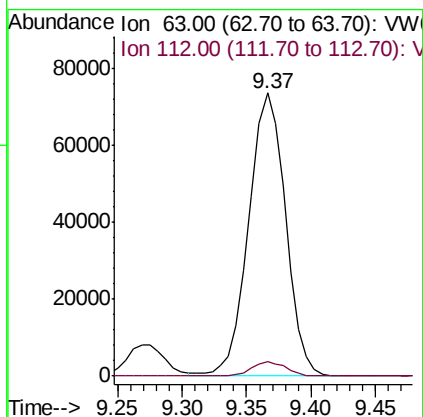
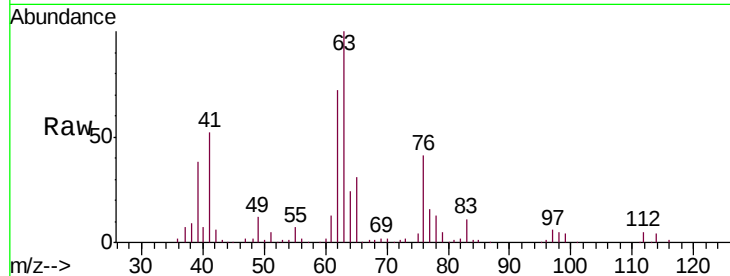




#40
1,2-Dichloropropane
Concen: 26.157 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

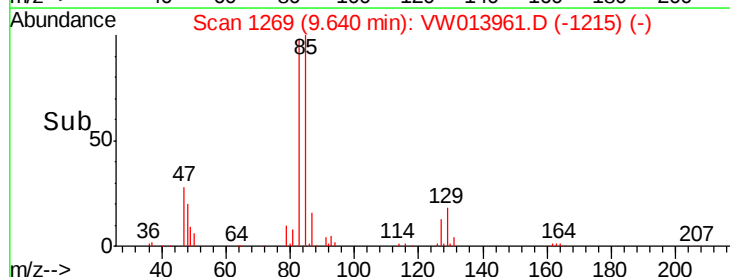
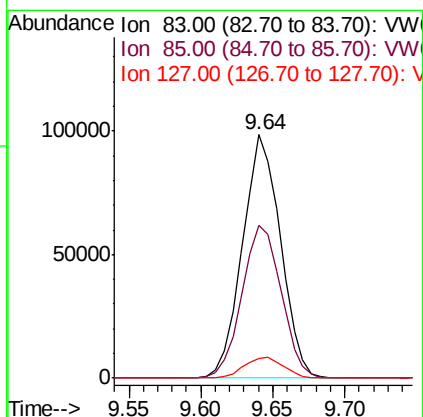
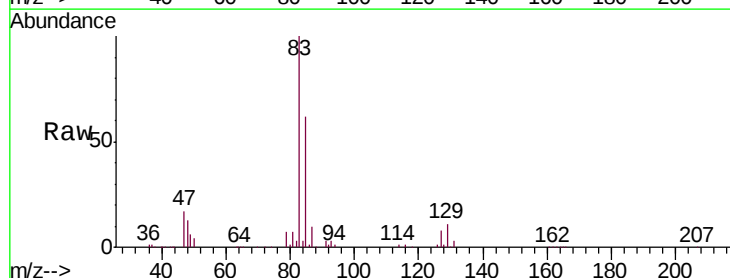
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

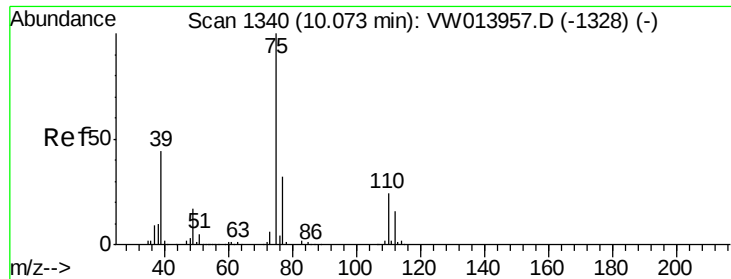
Tgt Ion: 63 Resp: 146211
Ion Ratio Lower Upper
63 100
112 4.9 3.9 5.9



#41
Bromodichloromethane
Concen: 26.596 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Tgt Ion: 83 Resp: 179726
Ion Ratio Lower Upper
83 100
85 62.5 45.1 83.7
127 7.9 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 27.199 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

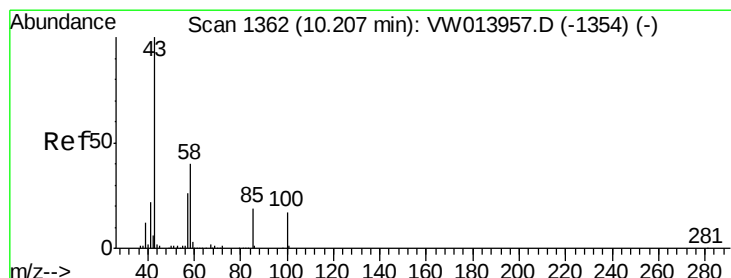
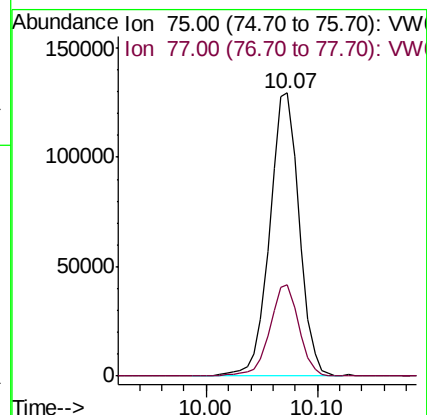
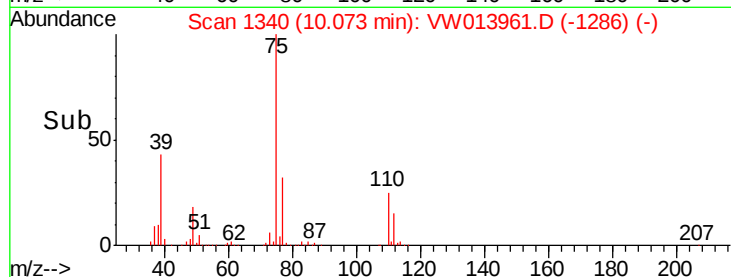
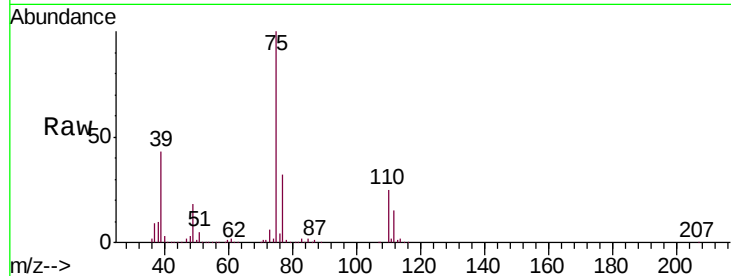
VSTD02523

Tgt Ion: 75 Resp: 239933

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 57.898 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

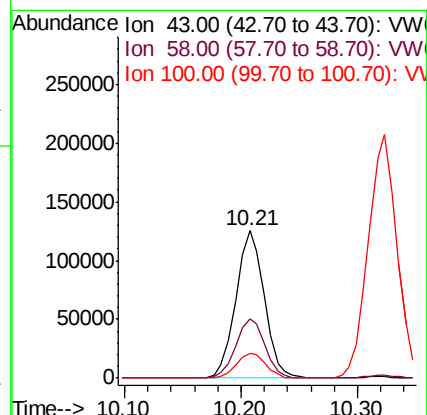
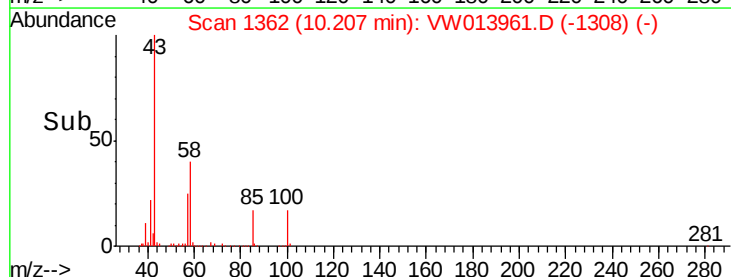
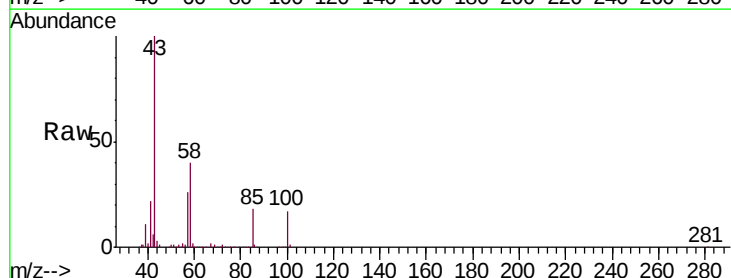
Tgt Ion: 43 Resp: 213684

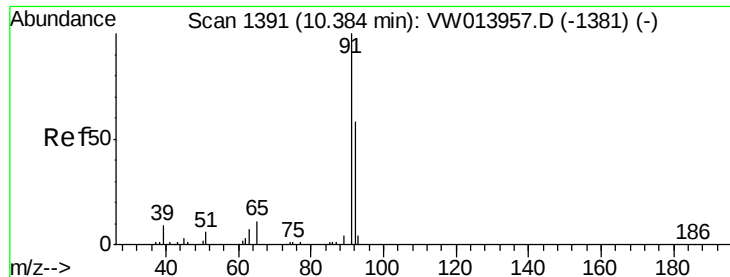
Ion Ratio Lower Upper

43 100

58 41.4 32.6 49.0

100 17.5 13.8 20.8





#44

Toluene

Concen: 25.719 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

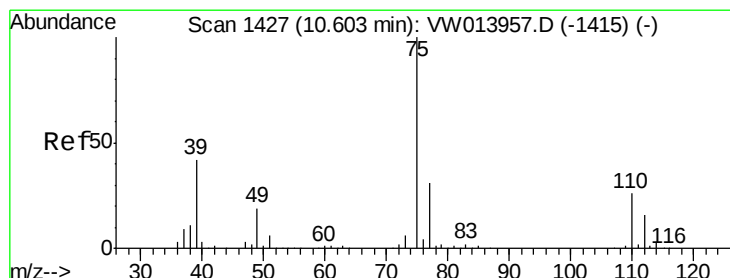
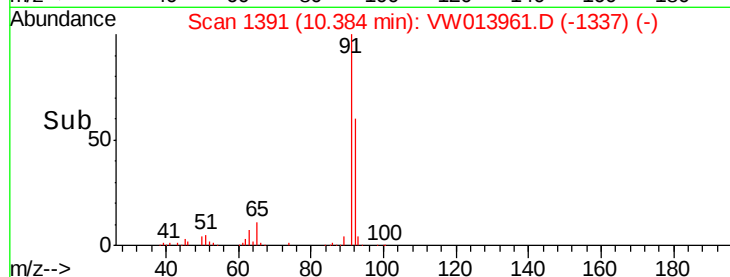
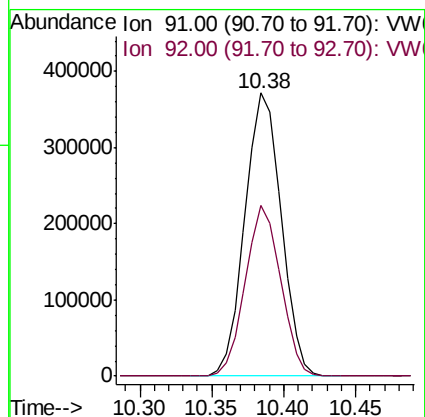
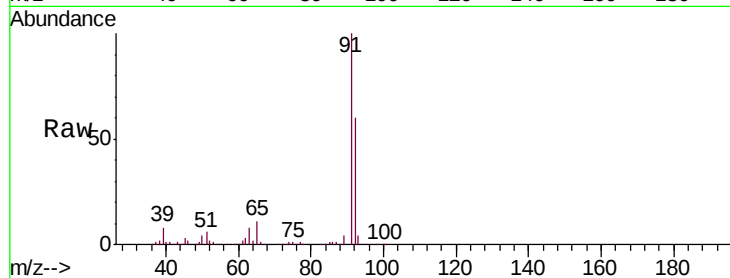
VSTD02523

Tgt Ion: 91 Resp: 651130

Ion Ratio Lower Upper

91 100

92 60.2 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 27.729 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013961.D

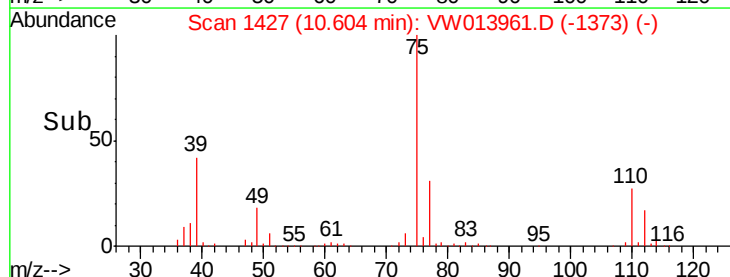
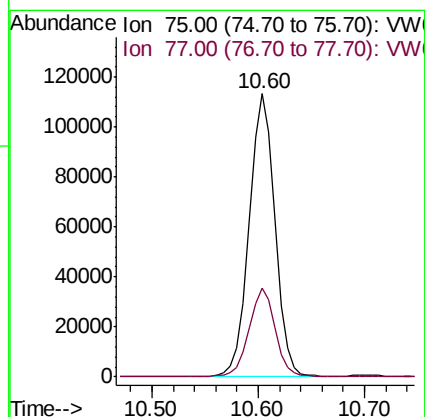
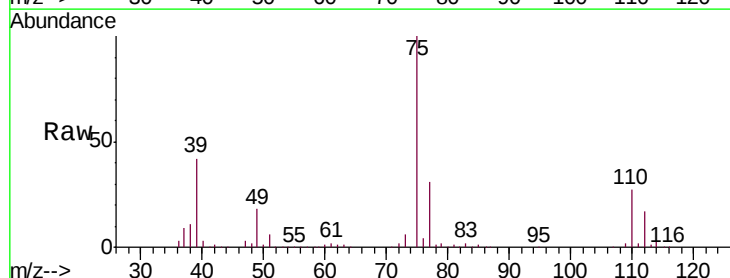
Acq: 11 Nov 2019 13:51

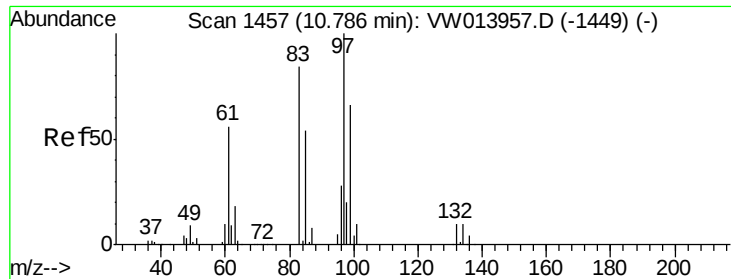
Tgt Ion: 75 Resp: 193431

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 27.400 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 97 Resp: 112537

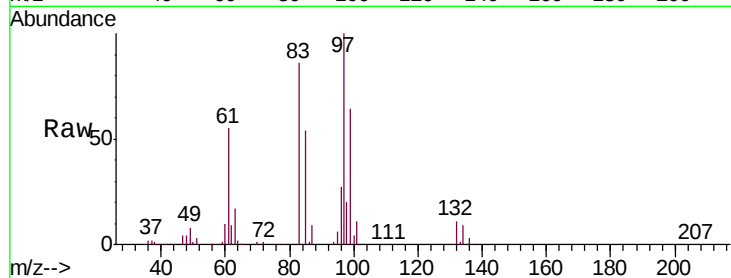
Ion Ratio Lower Upper

97 100

83 86.1 58.9 109.5

85 53.9 38.1 70.9

99 64.4 46.5 86.3

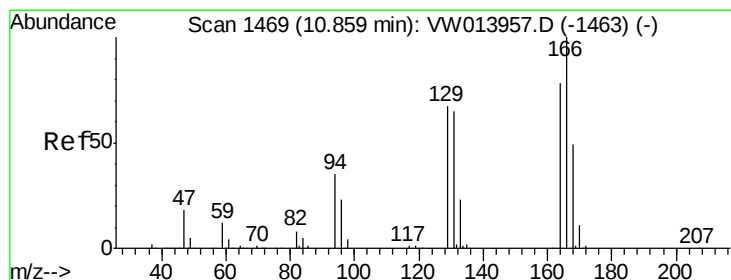
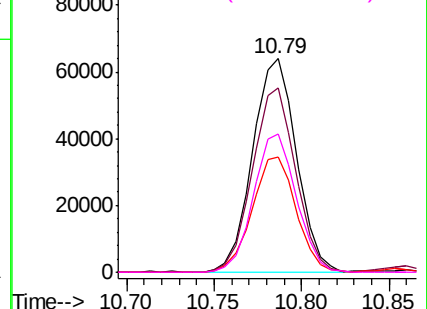
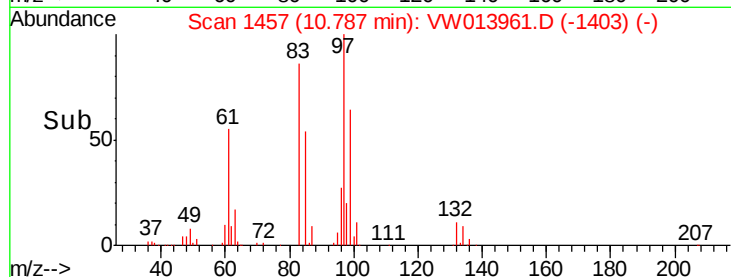


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.807 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Tgt Ion: 164 Resp: 142479

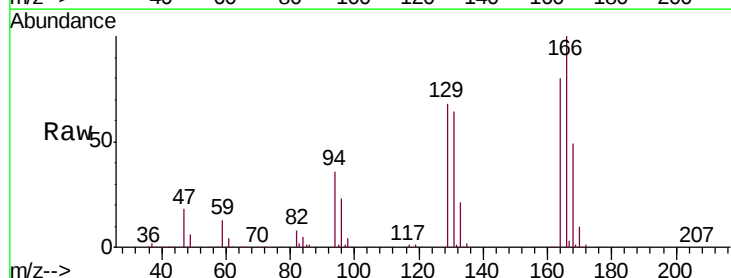
Ion Ratio Lower Upper

164 100

129 84.7 60.6 112.6

131 79.6 59.1 109.7

166 124.6 90.8 168.6

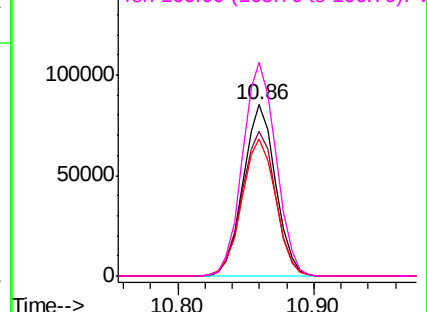
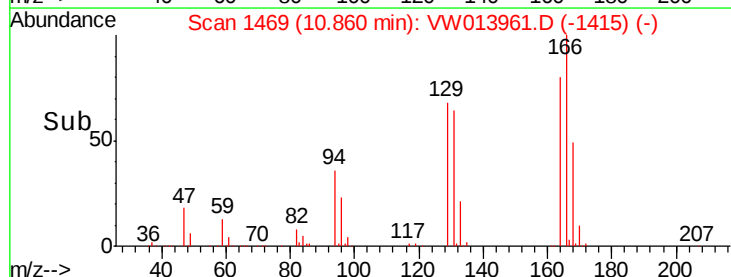


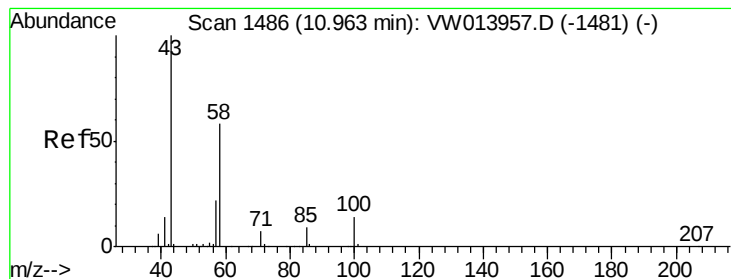
Abundance Ion 164.00 (163.70 to 164.70): V

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: 58.360 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 43 Resp: 155285

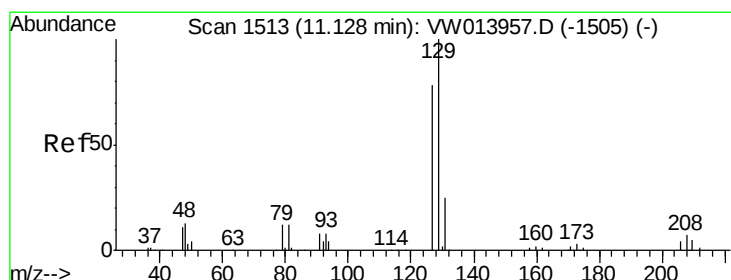
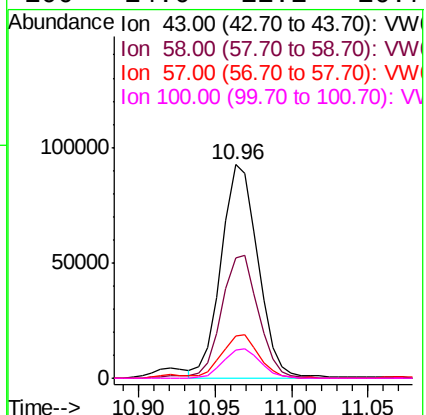
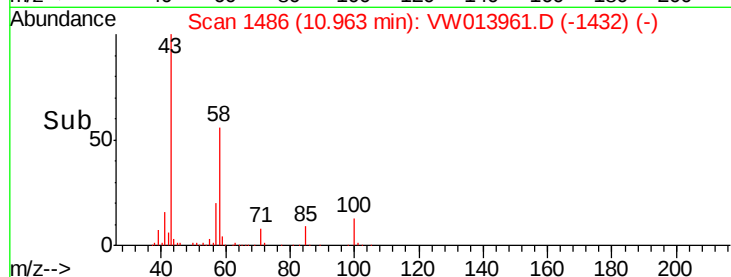
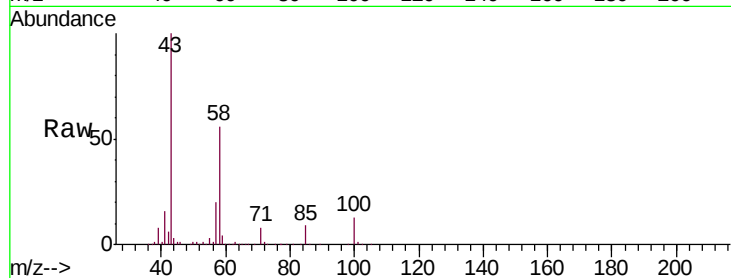
Ion Ratio Lower Upper

43 100

58 56.9 44.4 66.6

57 20.3 16.5 24.7

100 14.0 11.1 16.7



#50

Dibromochloromethane

Concen: 28.005 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013961.D

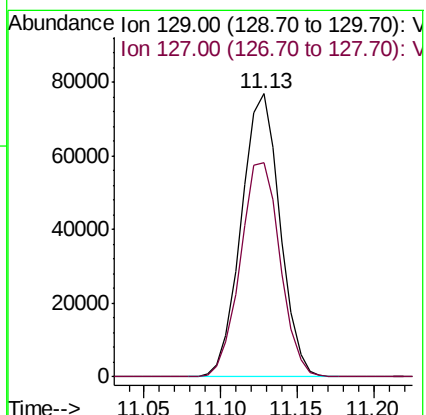
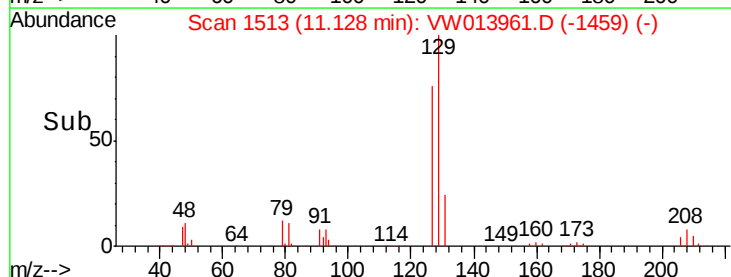
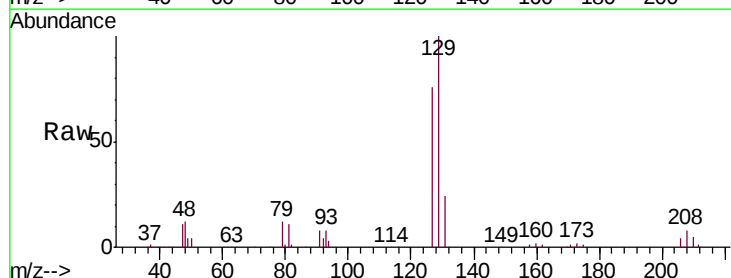
Acq: 11 Nov 2019 13:51

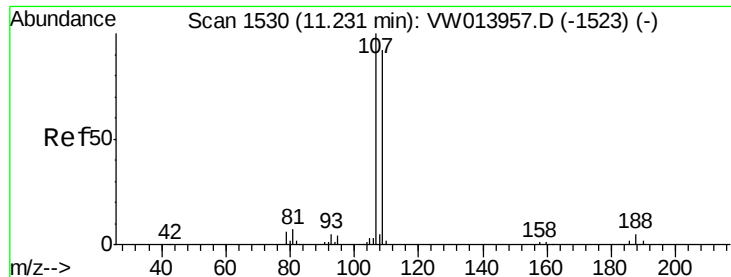
Tgt Ion: 129 Resp: 135194

Ion Ratio Lower Upper

129 100

127 75.7 54.9 102.1

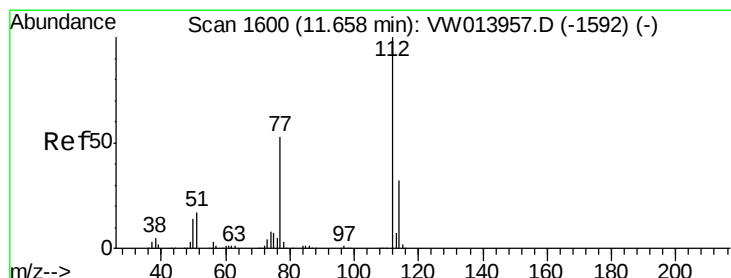
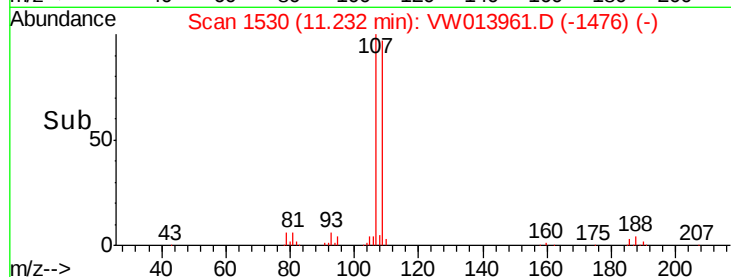
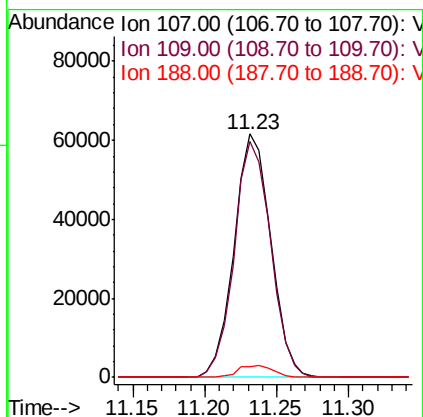
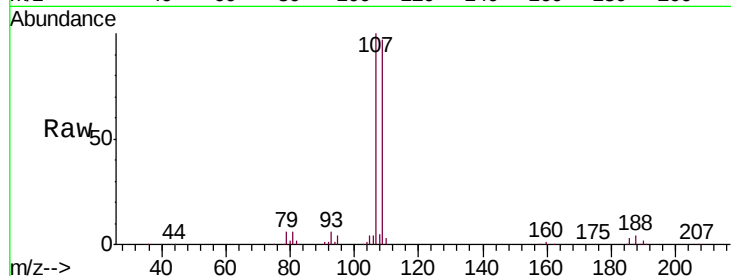




#51
 1,2-Dibromoethane
 Concen: 27.451 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

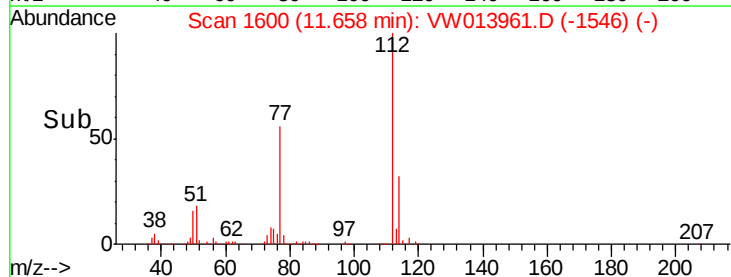
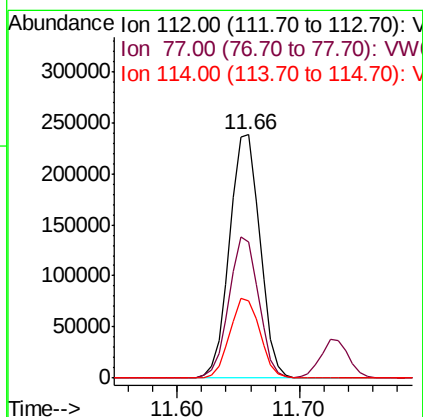
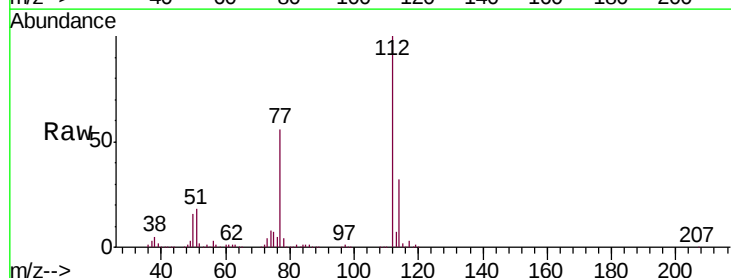
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

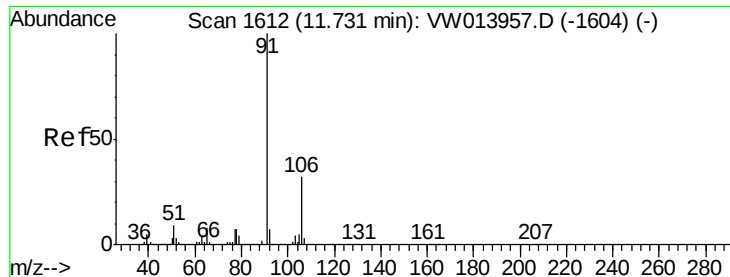
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.7	64.6	120.0
188	4.4	3.9	5.9



#52
 Chlorobenzene
 Concen: 25.758 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.8	42.2	63.4
114	31.7	22.5	41.9





#53

Ethylbenzene

Concen: 25.949 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

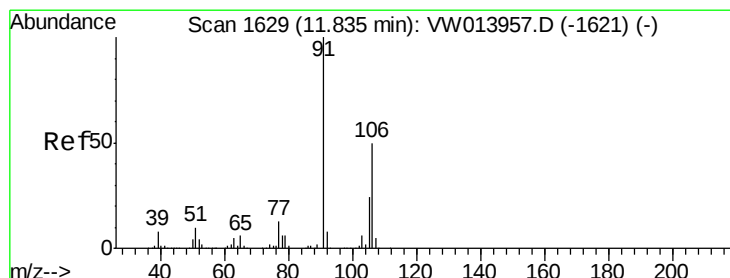
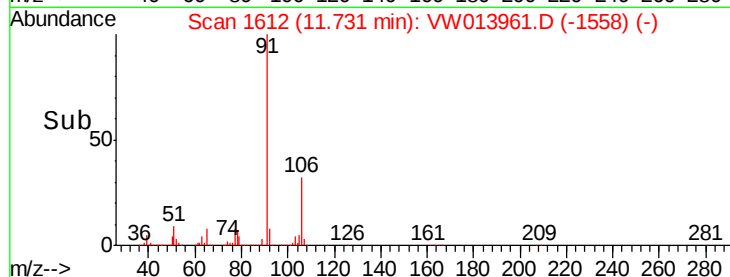
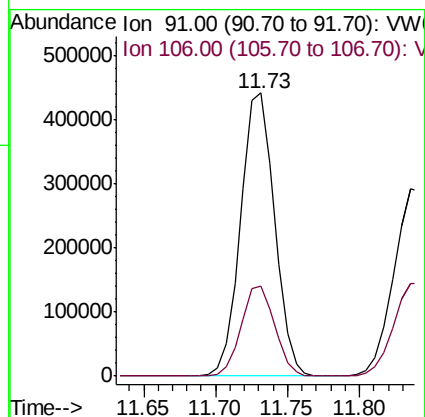
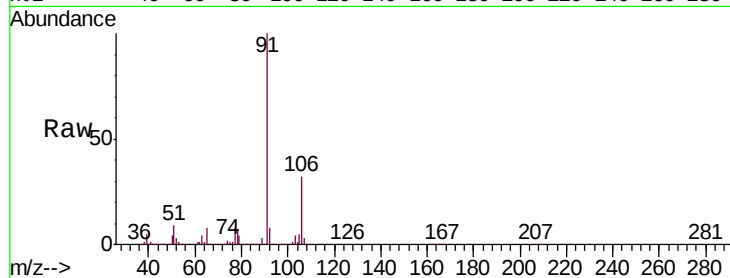
VSTD02523

Tgt Ion: 91 Resp: 720907

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



#54

m,p-Xylene

Concen: 26.094 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013961.D

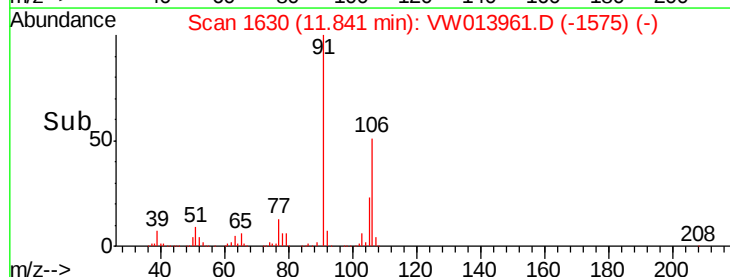
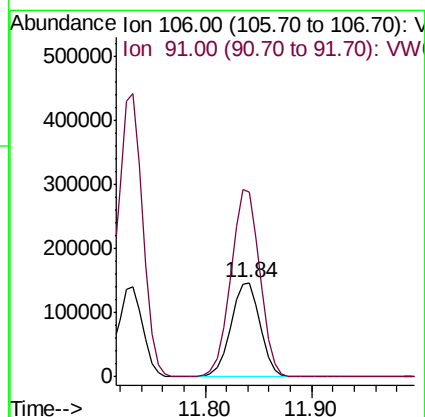
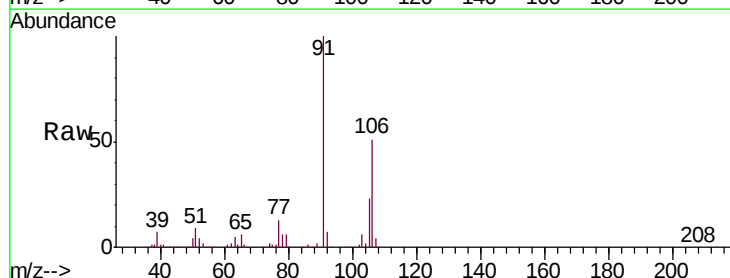
Acq: 11 Nov 2019 13:51

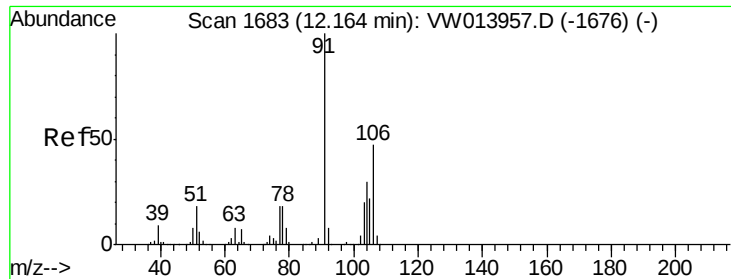
Tgt Ion: 106 Resp: 281725

Ion Ratio Lower Upper

106 100

91 196.9 138.7 257.5

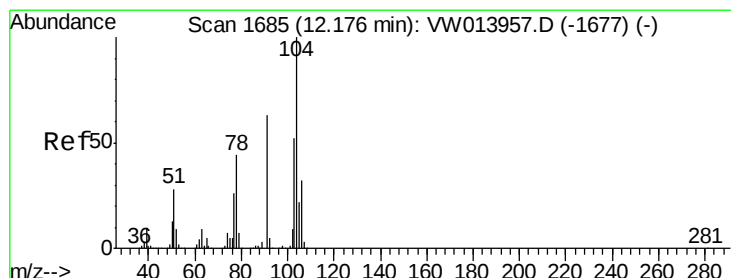
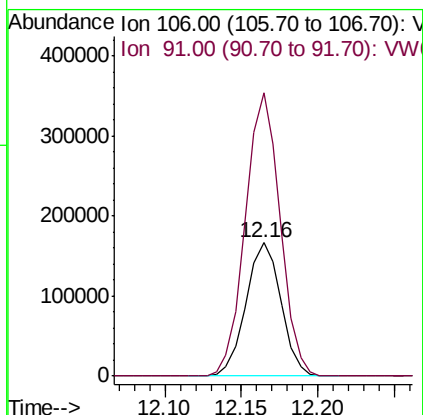
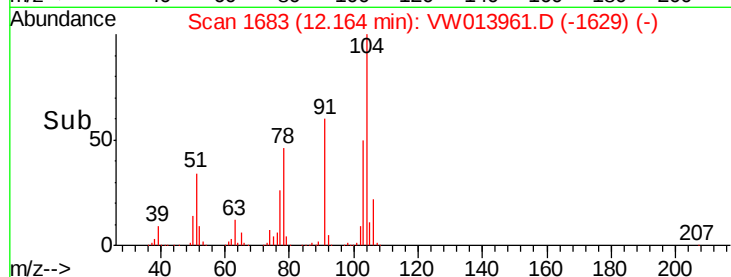
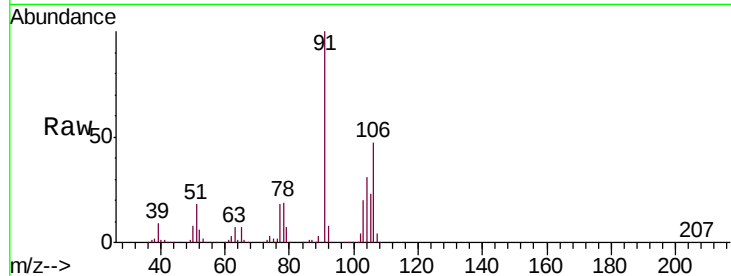




#55
o-xylene
Concen: 26.255 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

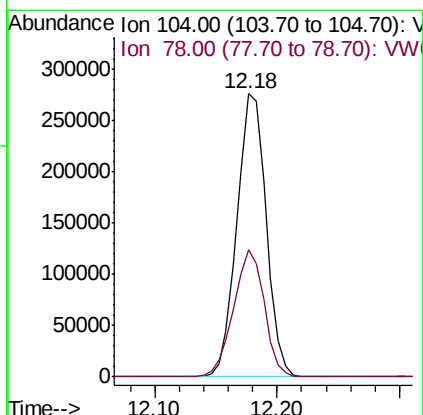
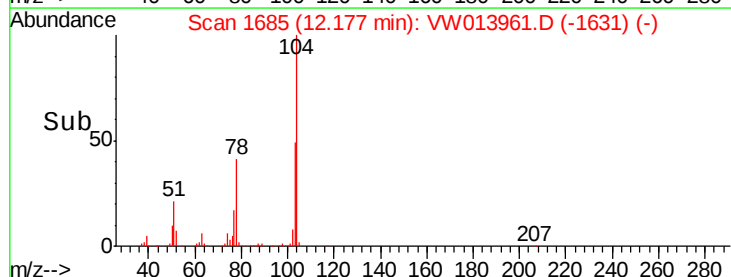
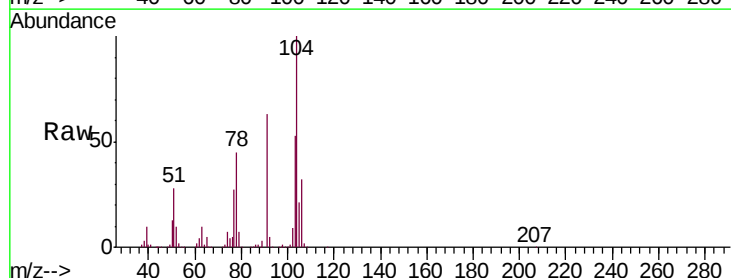
Instrument :
MSVOA_W
ClientSampled :
VSTD02523

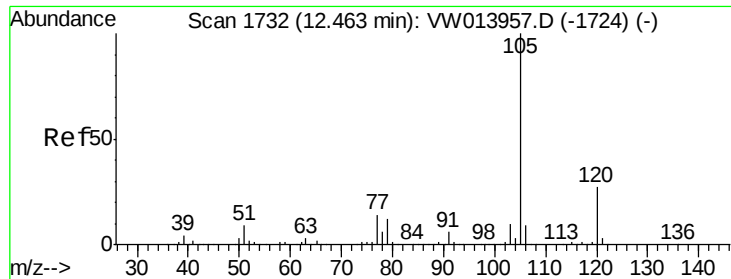
Tgt Ion:106 Resp: 265442
Ion Ratio Lower Upper
106 100
91 212.2 148.3 275.5



#56
Styrene
Concen: 26.808 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013961.D
Acq: 11 Nov 2019 13:51

Tgt Ion:104 Resp: 457851
Ion Ratio Lower Upper
104 100
78 44.8 30.6 56.8





#57

Isopropylbenzene

Concen: 26.154 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

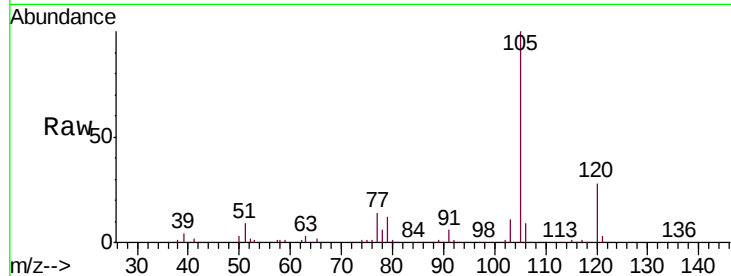
Tgt Ion: 105 Resp: 727033

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

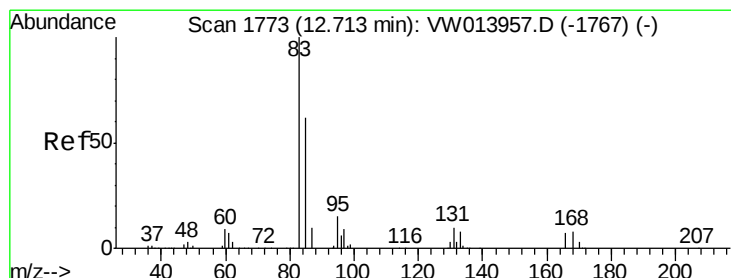
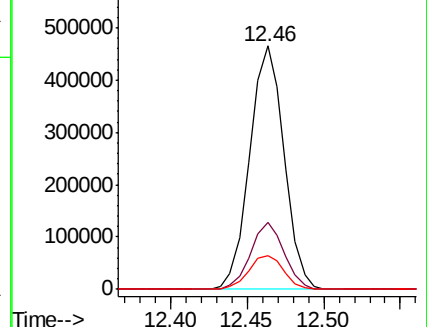
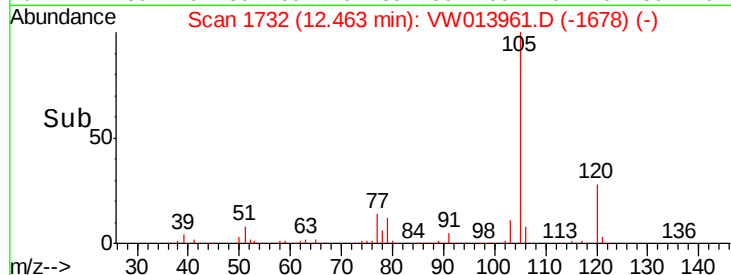
77 14.4 11.6 17.4



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: 28.833 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

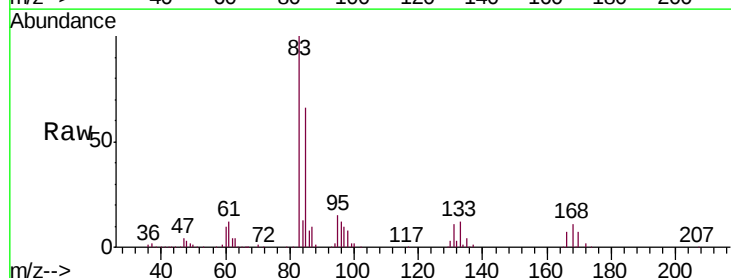
Tgt Ion: 83 Resp: 138259

Ion Ratio Lower Upper

83 100

85 66.5 43.7 81.1

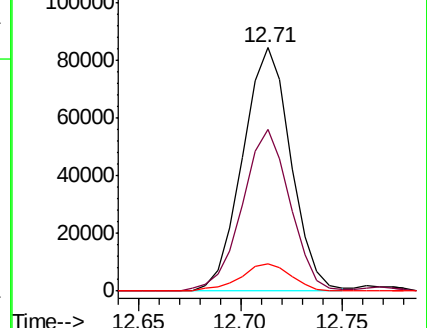
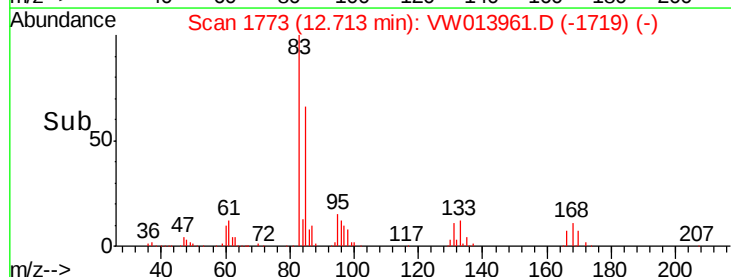
131 11.2 8.2 12.2

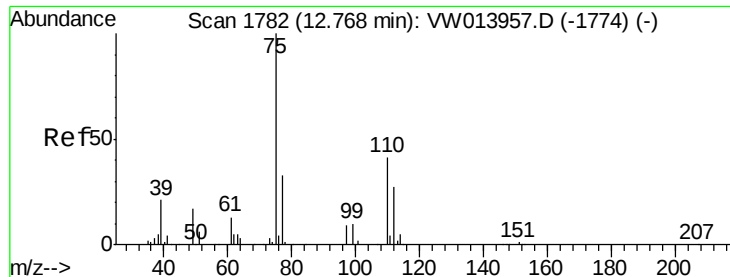


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.381 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

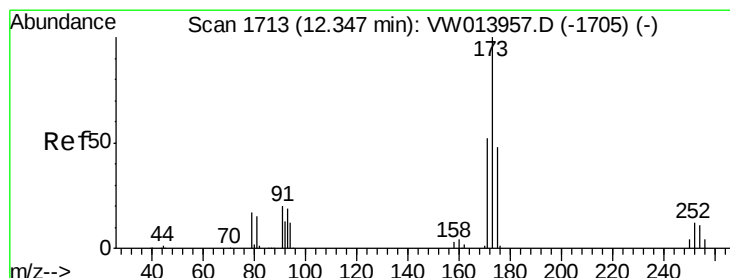
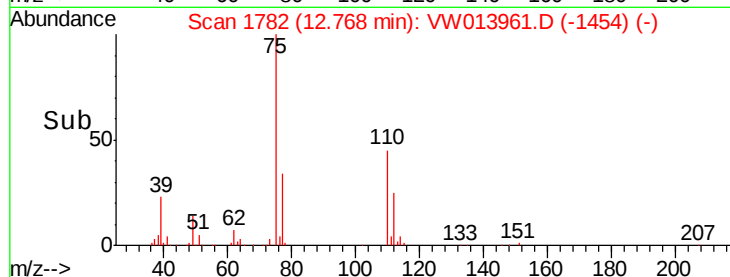
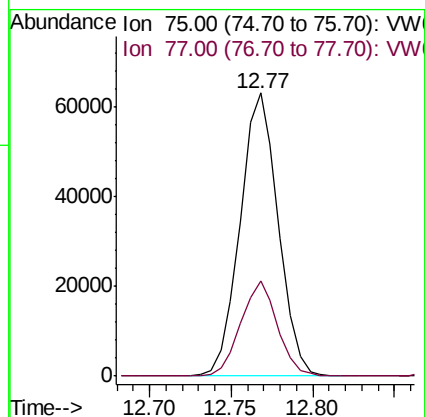
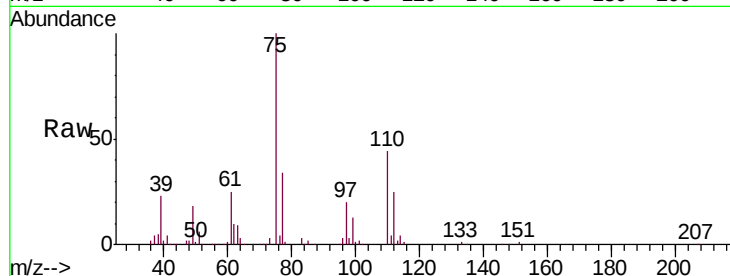
VSTD02523

Tgt Ion: 75 Resp: 102353

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 27.881 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

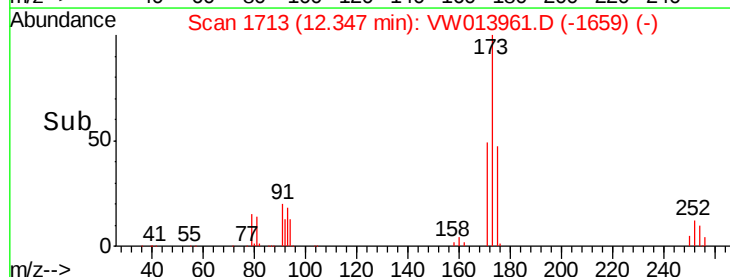
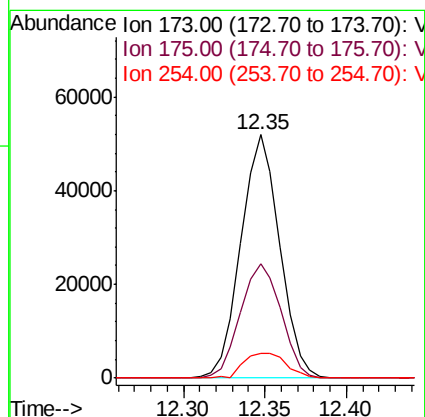
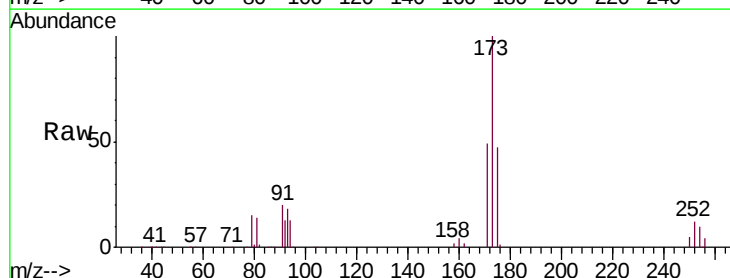
Tgt Ion: 173 Resp: 86319

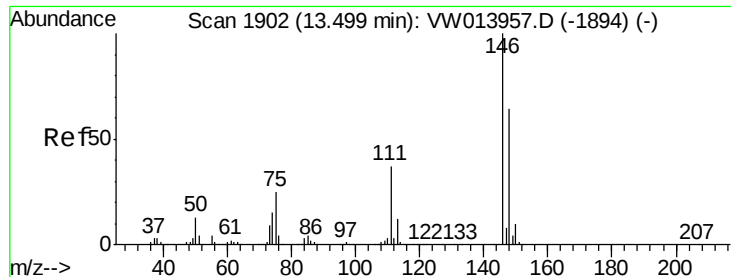
Ion Ratio Lower Upper

173 100

175 49.1 38.8 58.2

254 11.0 9.4 14.0

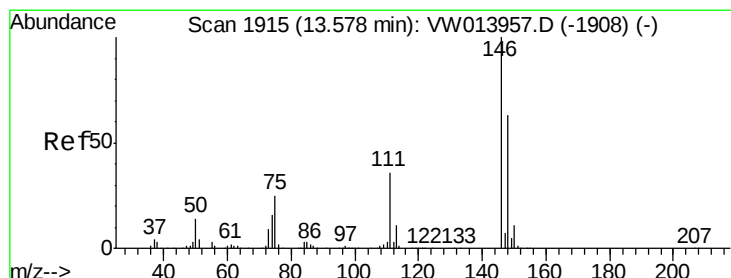
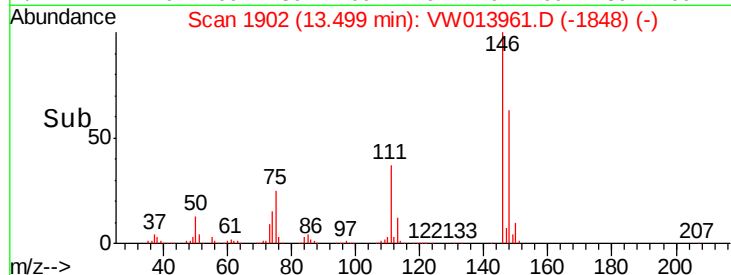
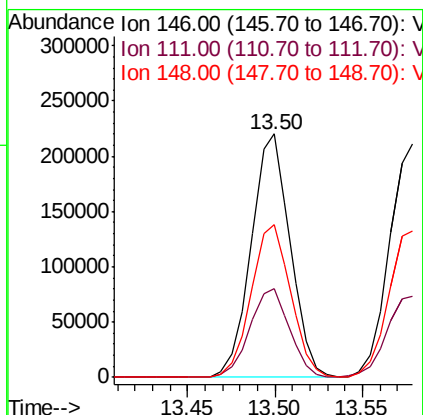
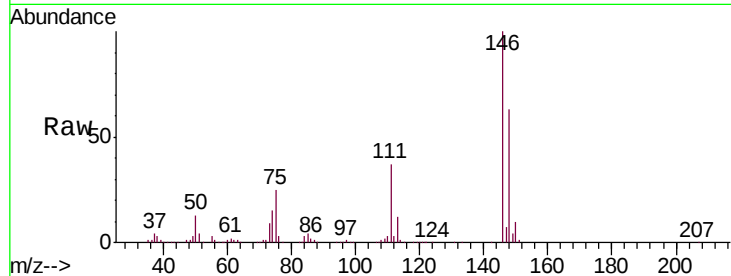




#63
 1,3-Dichlorobenzene
 Concen: 25.679 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

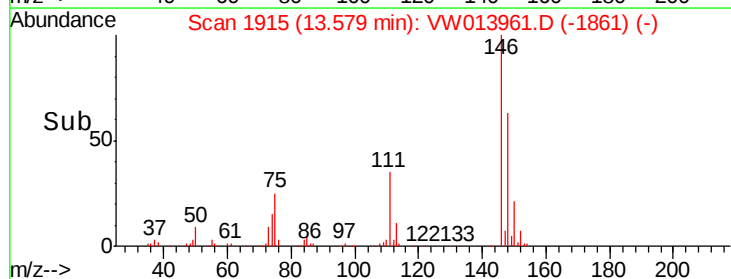
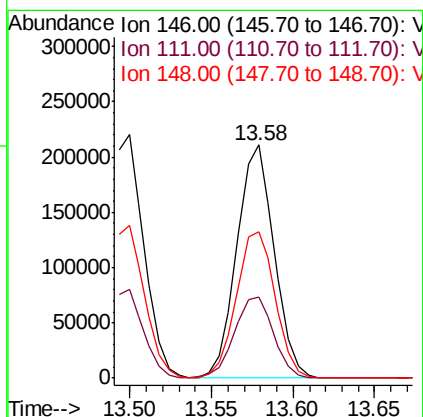
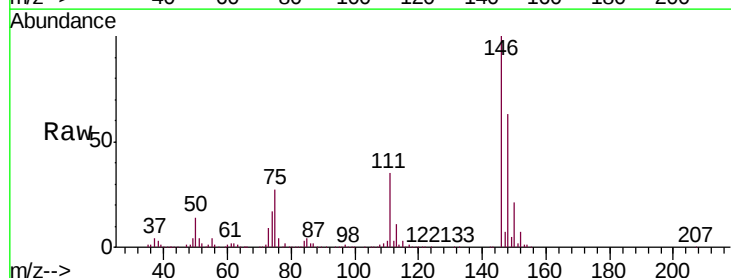
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

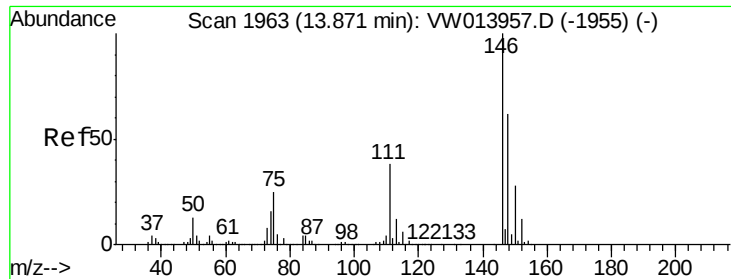
Tgt Ion:146 Resp: 340626
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.2
 148 62.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.597 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

Tgt Ion:146 Resp: 335473
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.9 46.3
 148 62.5 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 25.557 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

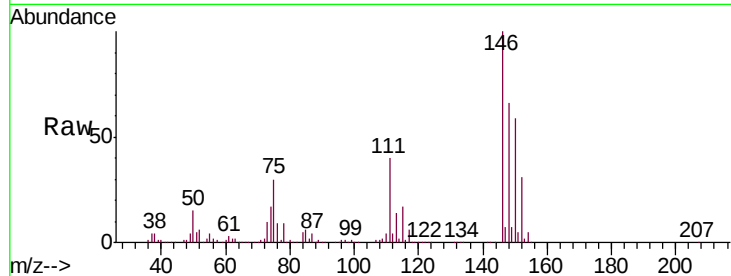
Tgt Ion:146 Resp: 300199

Ion Ratio Lower Upper

146 100

111 40.3 30.5 45.7

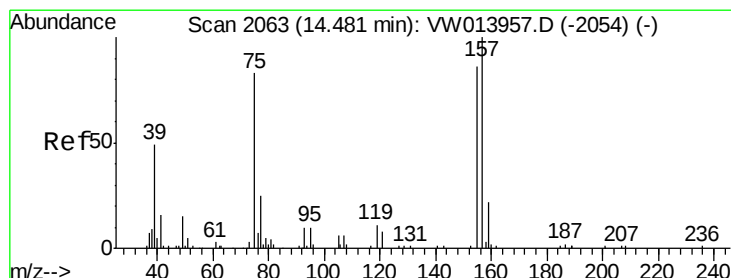
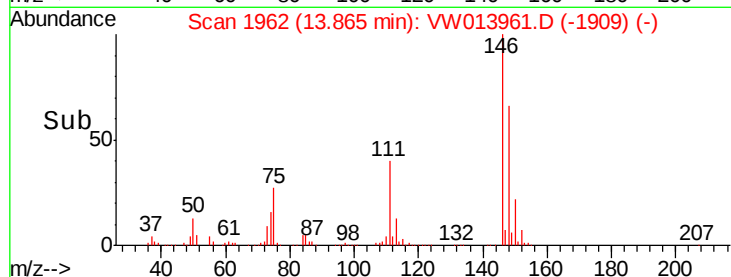
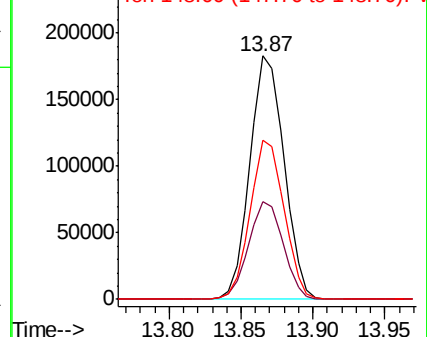
148 65.5 49.4 74.2



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: 27.253 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

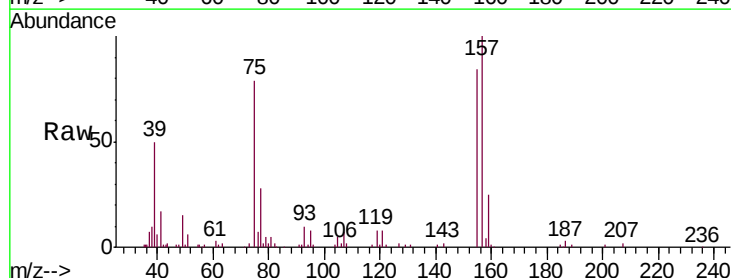
Tgt Ion: 75 Resp: 21801

Ion Ratio Lower Upper

75 100

157 125.9 96.9 145.3

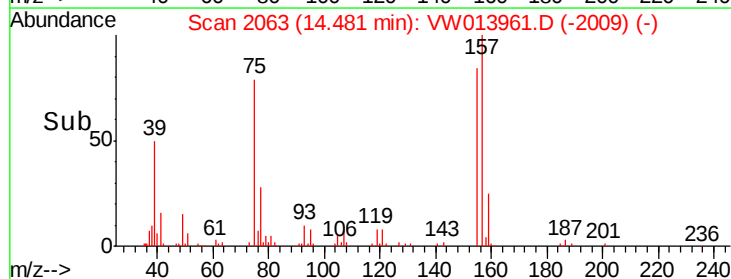
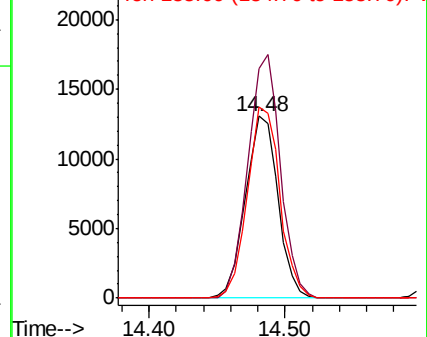
155 105.2 82.9 124.3

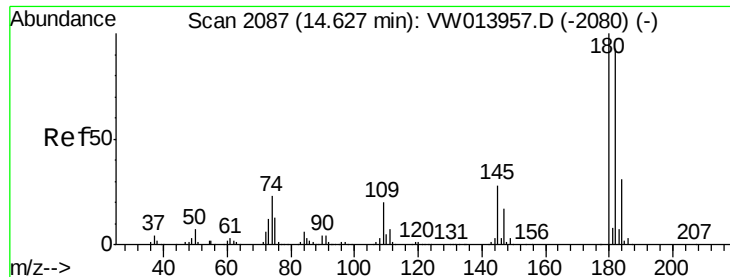


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

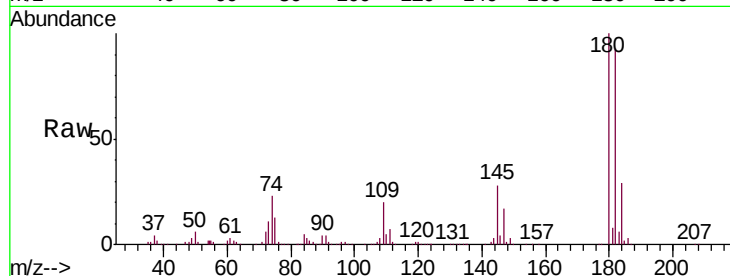




#67
 1,3,5-Trichlorobenzene
 Concen: 26.537 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tgt Ion:	180	Resp:	268269
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
184	30.0	24.3	36.5
145	27.4	21.9	32.9



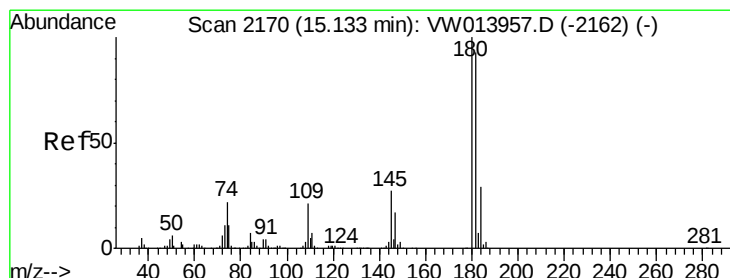
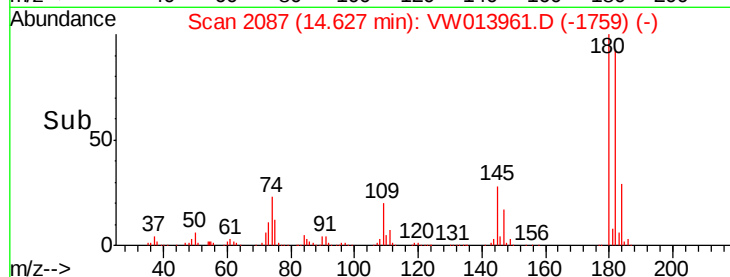
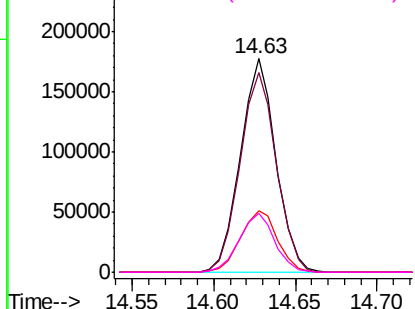
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

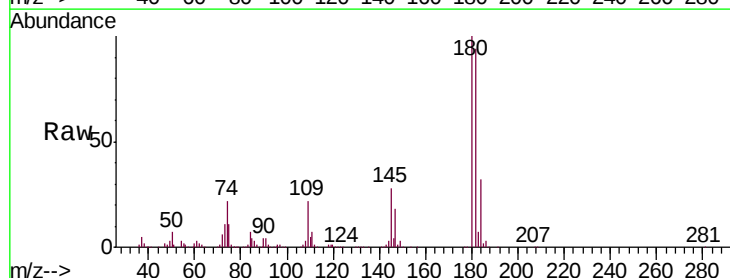
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.614 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013961.D
 Acq: 11 Nov 2019 13:51

Tgt Ion:	180	Resp:	219499
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	28.0	22.4	33.6

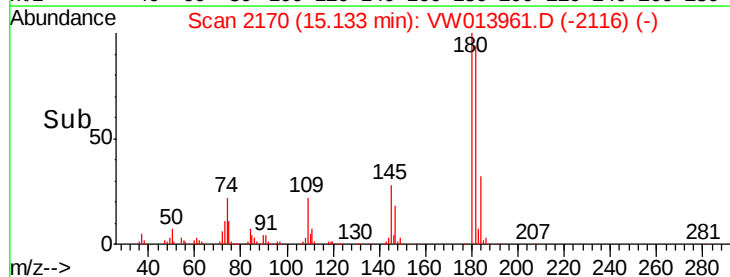
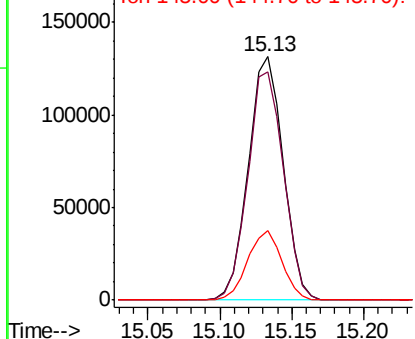


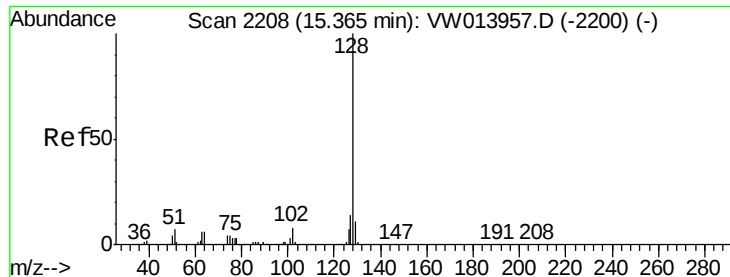
Abundance

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: 29.750 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

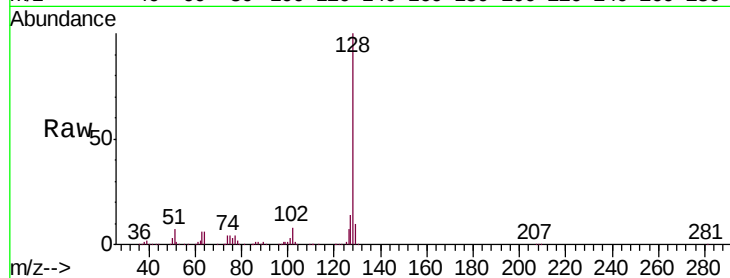
Tgt Ion:128 Resp: 420115

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

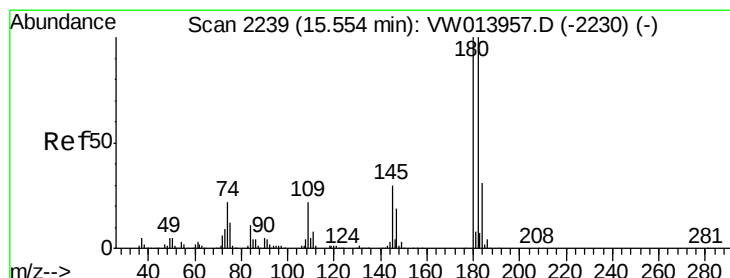
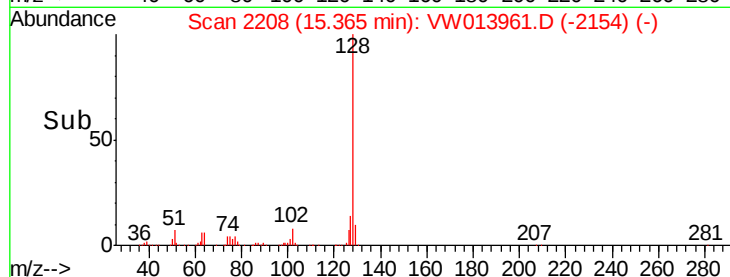
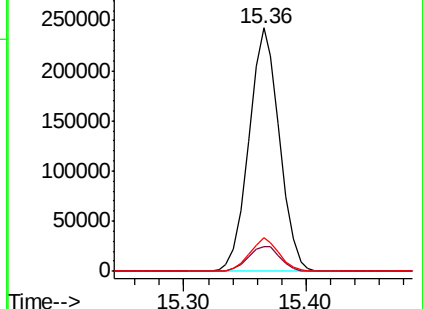
127 13.2 10.4 15.6



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: 27.604 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013961.D

Acq: 11 Nov 2019 13:51

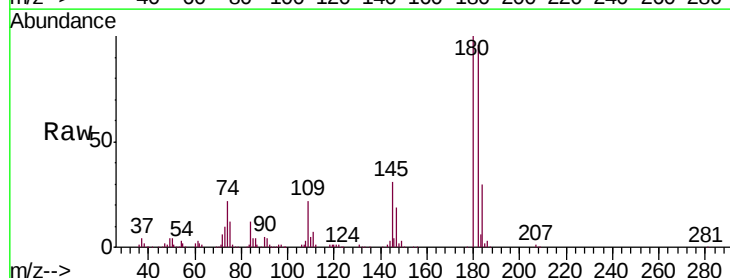
Tgt Ion:180 Resp: 193642

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.6

145 30.6 24.0 36.0



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

