

Data File : VW013824.D
Acq On : 30 Oct 2019 05:35
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Quant Time: Oct 30 08:21:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 08:16:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	301963	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	300365	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176977	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	70360	18.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.96%
7) Chloroethane-d5	2.89	69	66279	19.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.68%
10) 1,1-Dichloroethene-d2	4.02	63	165624	20.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.96%
20) 2-Butanone-d5	7.07	46	73292	55.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.62%
24) Chloroform-d	7.65	84	201011	23.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.16%
26) 1,2-Dichloroethane-d4	8.31	65	106487	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.40%
29) Benzene-d6	8.27	84	384518	21.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.24%
33) 1,2-Dichloropropane-d6	9.27	67	124493	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.40%
37) Toluene-d8	10.32	98	353643	21.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.00%
38) trans-1,3-Dichloropropene-	10.58	79	51107	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.08%
39) 2-Hexanone-d5	10.93	63	57713	56.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117356	26.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	140987	22.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	52435	15.438 ug/L	90
3) Chloromethane	2.21	50	68252	18.564 ug/L	97
5) Vinyl chloride	2.37	62	108186	23.546 ug/L	99
6) Bromomethane	2.78	94	71658	21.584 ug/L	98
8) Chloroethane	2.92	64	66400	21.385 ug/L	99
9) Trichlorofluoromethane	3.25	101	48470	15.652 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	108582	22.267 ug/L	98
12) 1,1-Dichloroethene	4.04	96	111262	23.184 ug/L	97
13) Acetone	4.12	43	50751	34.508 ug/L	96
14) Carbon disulfide	4.38	76	313033	22.796 ug/L	99
15) Methyl Acetate	4.67	43	61657	25.658 ug/L	99
16) Methylene chloride	4.91	84	129237	22.351 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	163086	24.560 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	123244	23.232 ug/L	95
19) 1,1-Dichloroethane	6.21	63	219542	24.449 ug/L	99
21) 2-Butanone	7.16	43	83455	44.693 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	139498	24.498 ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65123	25.303	ug/L	93
25) Chloroform	7.68	83	225426	24.991	ug/L	99
27) 1,2-Dichloroethane	8.40	62	148278	25.648	ug/L	94
30) Cyclohexane	7.95	56	189523	21.538	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	163106	23.282	ug/L	100
32) Carbon tetrachloride	8.07	117	157945	23.153	ug/L	99
34) Benzene	8.32	78	515103	23.901	ug/L	100
35) Trichloroethene	9.09	95	127958	23.141	ug/L	98
36) Methylcyclohexane	9.34	83	210718	21.621	ug/L	100
40) 1,2-Dichloropropane	9.37	63	128586	24.402	ug/L	100
41) Bromodichloromethane	9.65	83	163807	25.370	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	196001	23.559	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	178976	49.782	ug/L	99
44) Toluene	10.38	91	554328	23.940	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	159926	23.814	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	101722	25.030	ug/L	99
47) Tetrachloroethene	10.86	164	113599	22.444	ug/L	97
49) 2-Hexanone	10.97	43	125977	49.391	ug/L	99
50) Dibromochloromethane	11.13	129	120849	25.196	ug/L	98
51) 1,2-Dibromoethane	11.24	107	97662	24.712	ug/L	97
52) Chlorobenzene	11.66	112	355564	24.000	ug/L	98
53) Ethylbenzene	11.73	91	604899	23.644	ug/L	99
54) m,p-Xylene	11.84	106	234559	23.726	ug/L	94
55) o-xylene	12.16	106	226448	24.137	ug/L	97
56) Styrene	12.18	104	397898	24.792	ug/L	99
57) Isopropylbenzene	12.46	105	598117	23.768	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	122290	25.673	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	88709	24.974	ug/L	100
62) Bromoform	12.35	173	77112	25.424	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	282714	23.543	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	278319	23.064	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	263259	24.195	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	19857	26.552	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	189156	21.188	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	158375	20.896	ug/L	99
69) Naphthalene	15.36	128	327418	23.841	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	151304	22.292	ug/L	99

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

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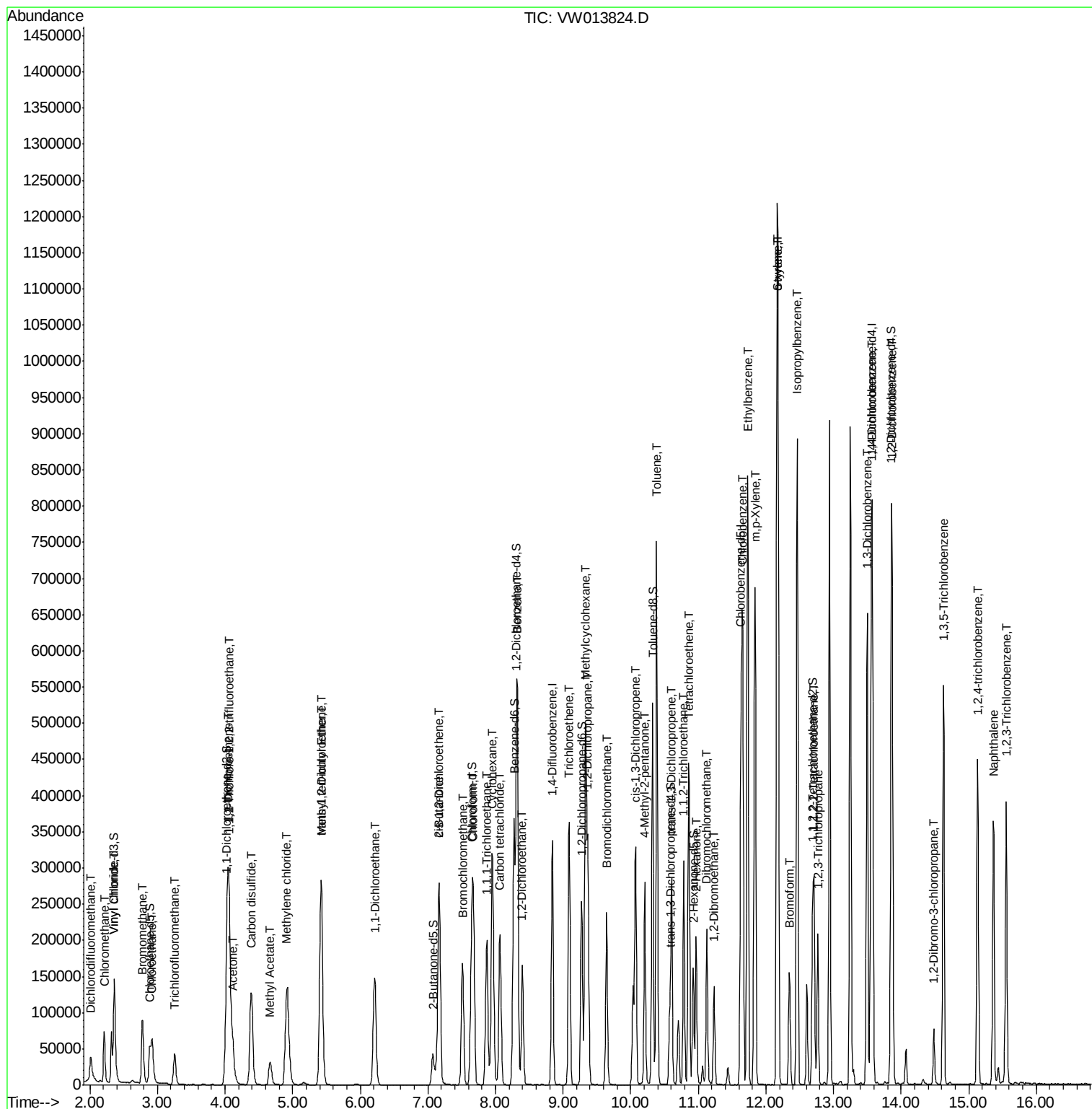
Quant Time: Oct 30 08:21:03 2019

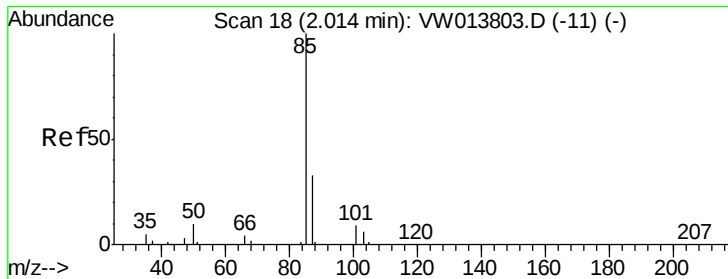
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M

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#2

Dichlorodifluoromethane

Concen: 15.438 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

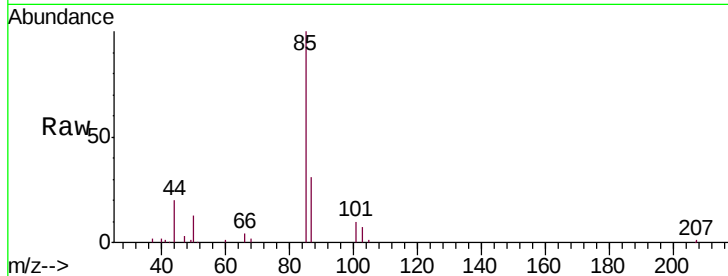
VSTD02509

Tgt Ion: 85 Resp: 52435

Ion Ratio Lower Upper

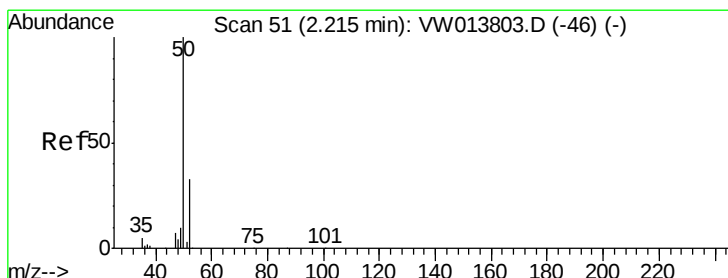
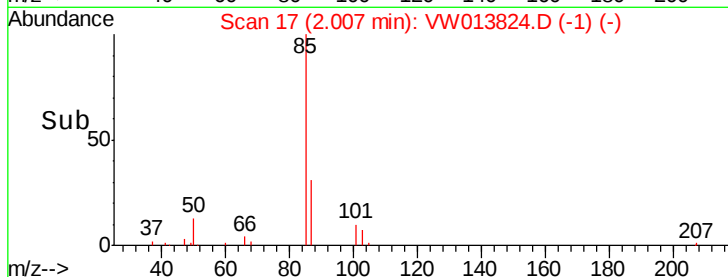
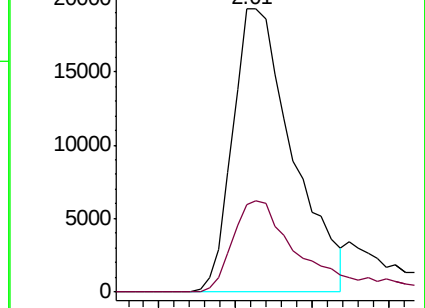
85 100

87 34.0 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 18.564 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013824.D

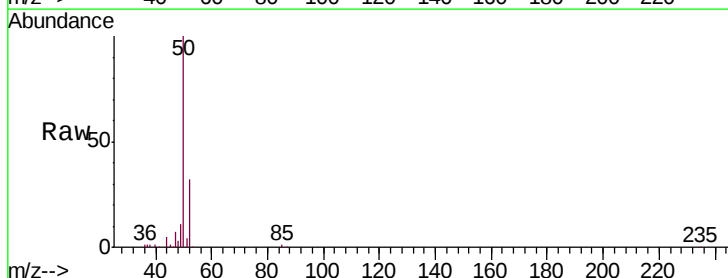
Acq: 30 Oct 2019 05:35

Tgt Ion: 50 Resp: 68252

Ion Ratio Lower Upper

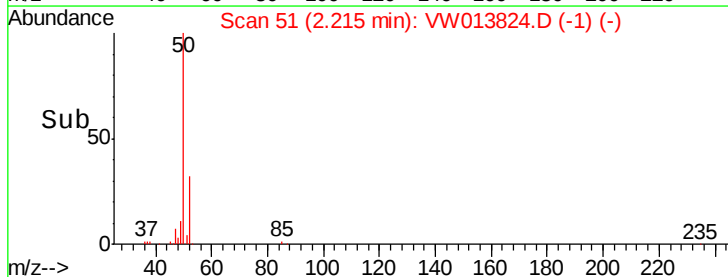
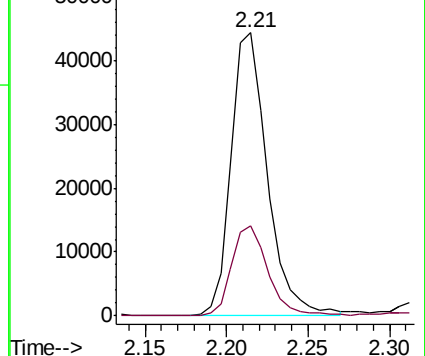
50 100

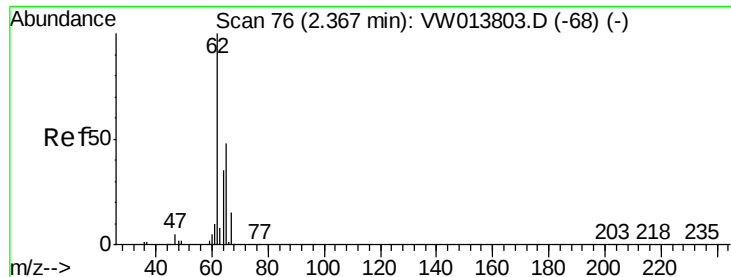
52 31.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.546 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

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ClientSampleId :

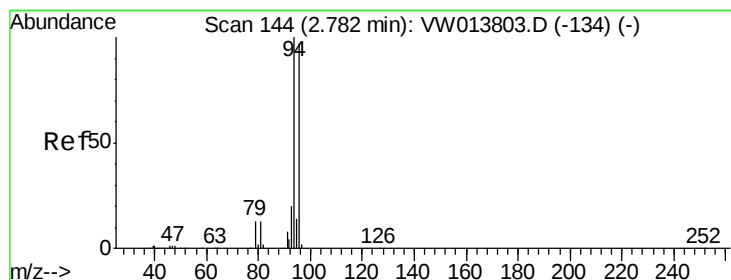
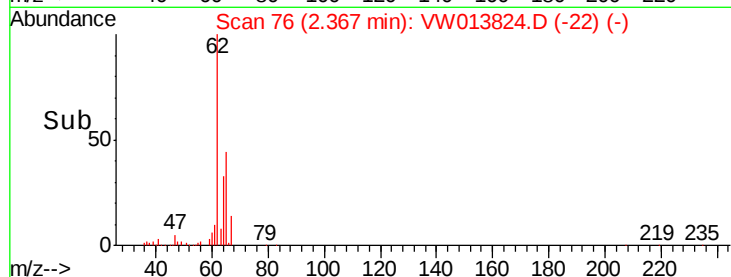
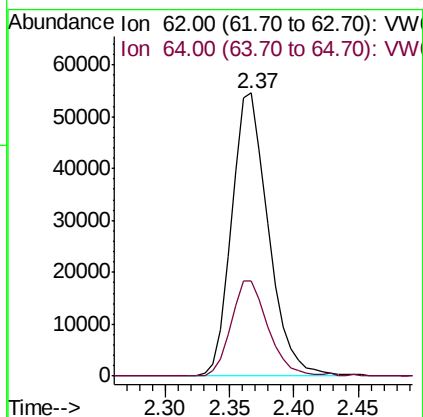
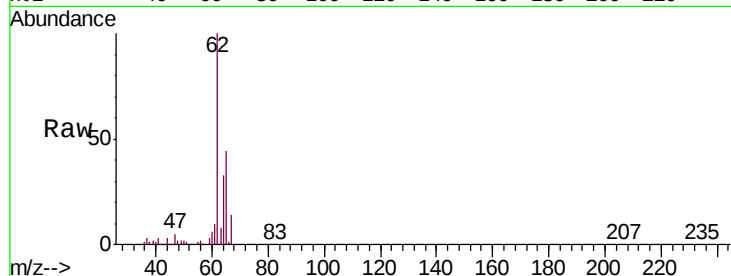
VSTD02509

Tgt Ion: 62 Resp: 108186

Ion Ratio Lower Upper

62 100

64 33.5 23.9 44.5



#6

Bromomethane

Concen: 21.584 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013824.D

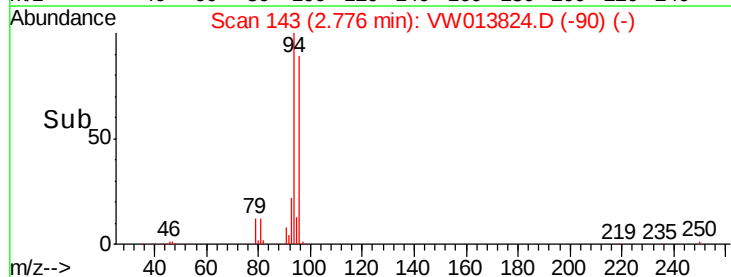
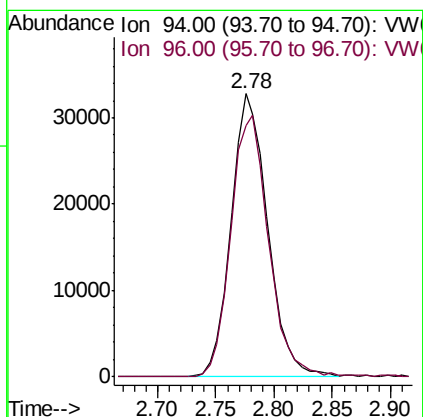
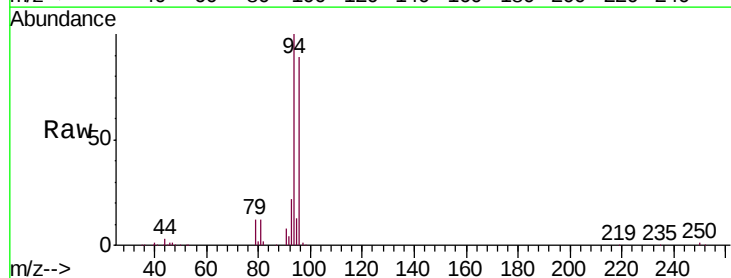
Acq: 30 Oct 2019 05:35

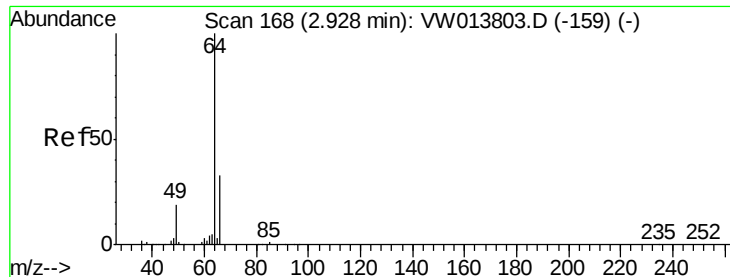
Tgt Ion: 94 Resp: 71658

Ion Ratio Lower Upper

94 100

96 95.1 9.3 176.9





#8

Chloroethane

Concen: 21.385 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

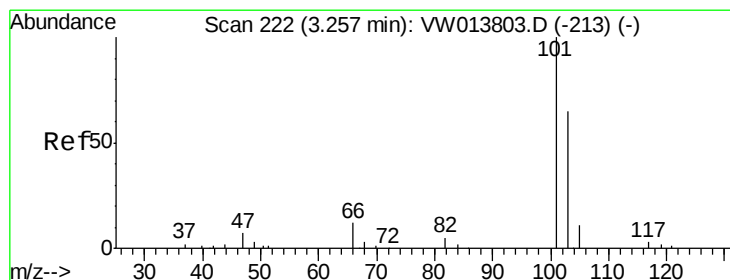
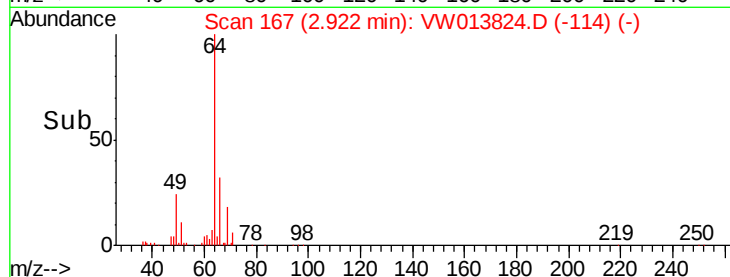
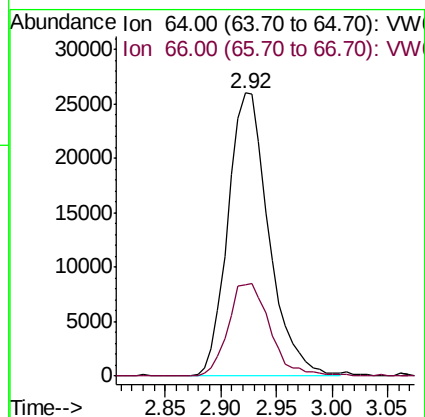
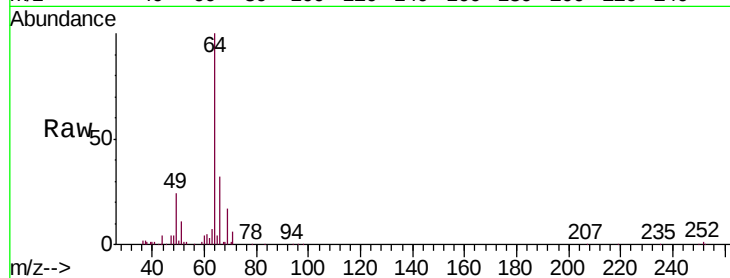
VSTD02509

Tgt Ion: 64 Resp: 66400

Ion Ratio Lower Upper

64 100

66 32.2 22.2 41.2



#9

Trichlorofluoromethane

Concen: 15.652 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013824.D

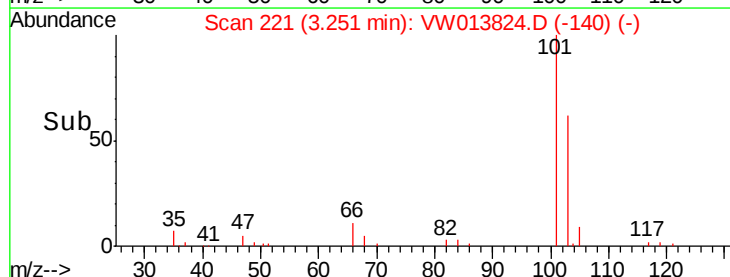
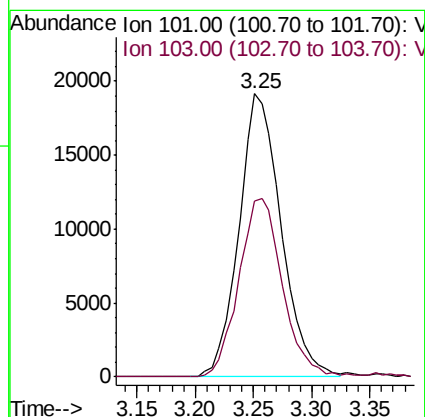
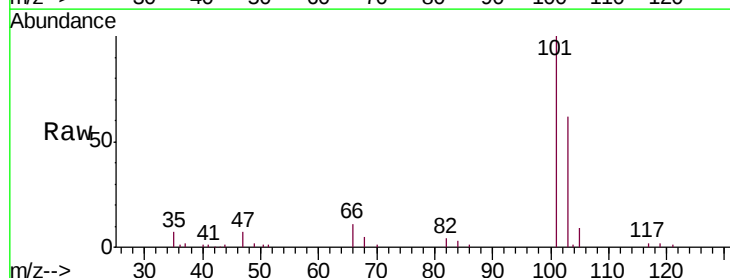
Acq: 30 Oct 2019 05:35

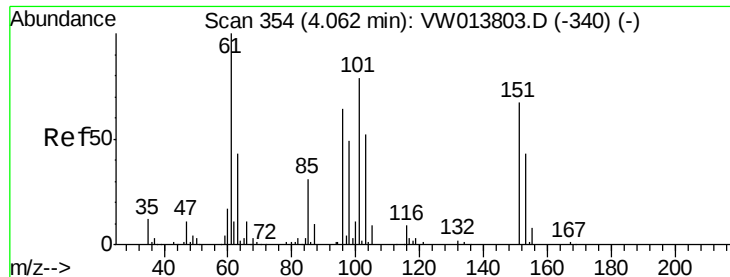
Tgt Ion: 101 Resp: 48470

Ion Ratio Lower Upper

101 100

103 64.7 46.5 86.5





#11

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

Concen: 22.267 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

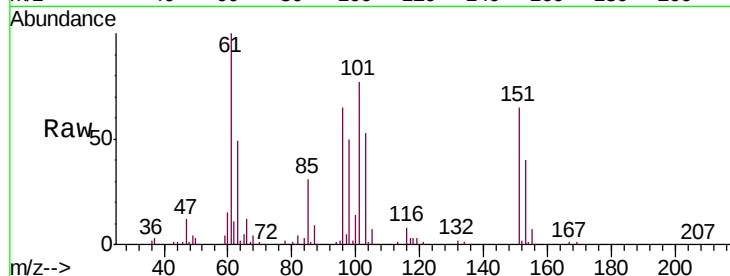
Tgt Ion: 101 Resp: 108582

Ion Ratio Lower Upper

101 100

85 41.8 32.0 48.0

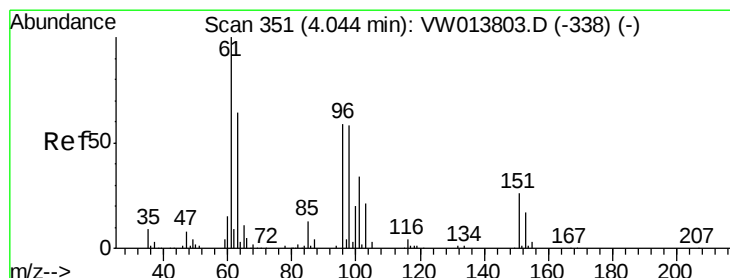
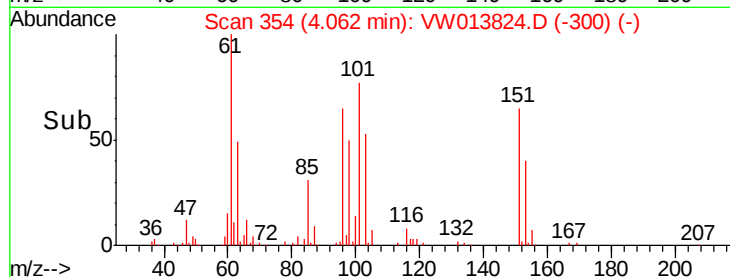
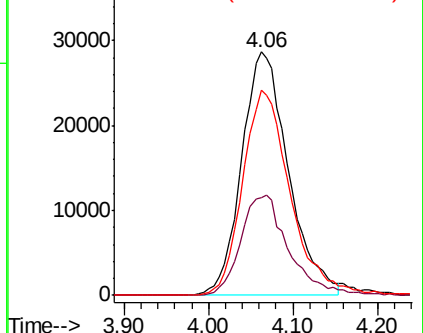
151 85.5 66.9 100.3



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: 23.184 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

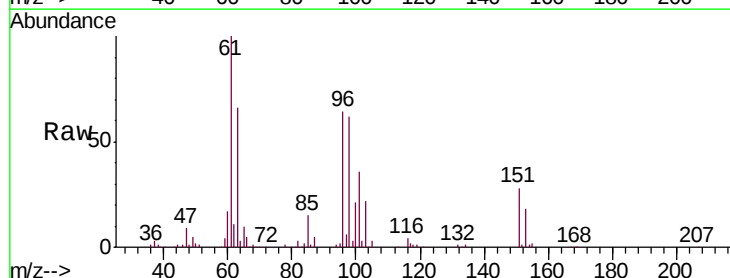
Tgt Ion: 96 Resp: 111262

Ion Ratio Lower Upper

96 100

61 155.3 112.7 209.3

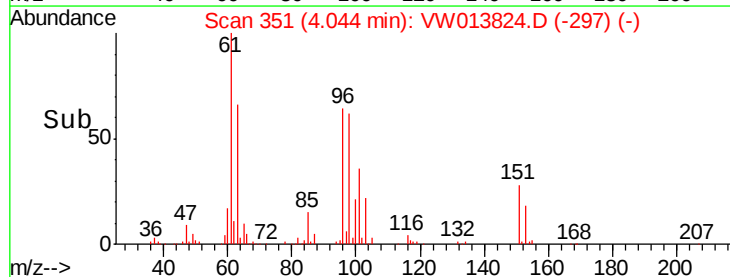
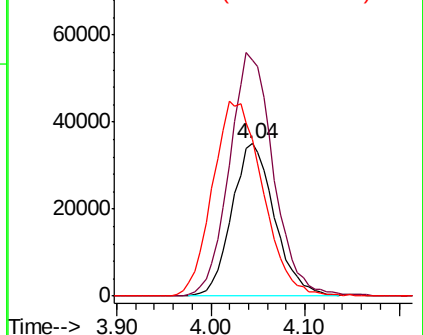
63 102.9 72.8 135.2

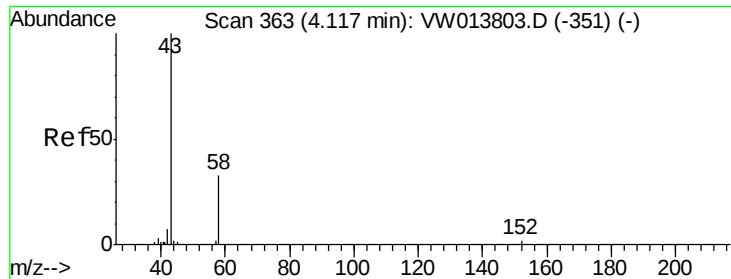


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 34.508 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

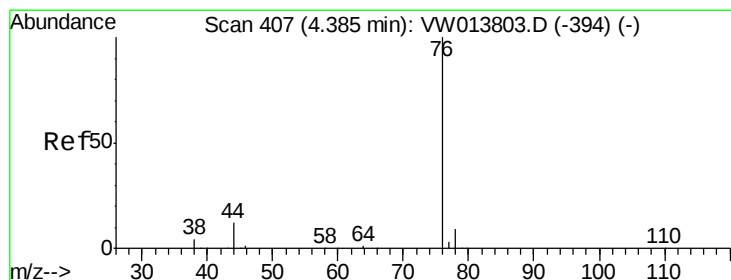
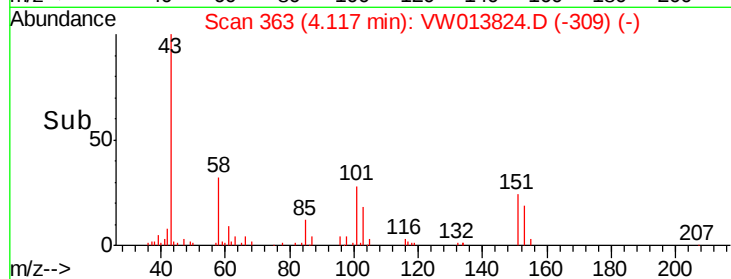
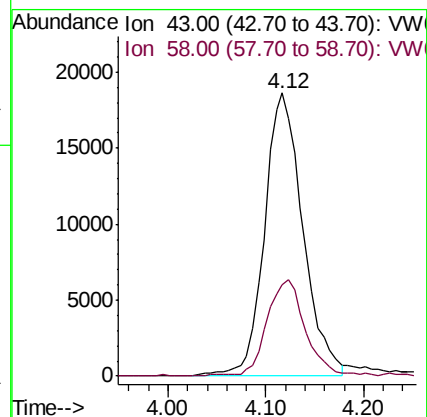
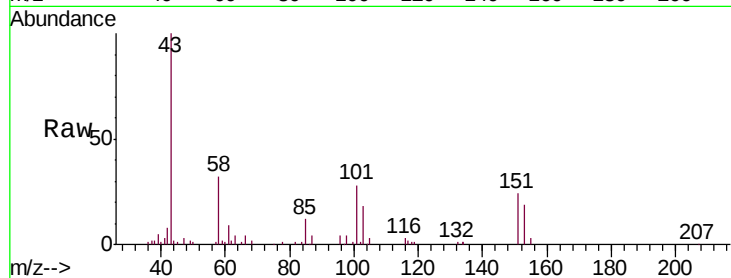
VSTD02509

Tgt Ion: 43 Resp: 50751

Ion Ratio Lower Upper

43 100

58 33.1 0.0 70.4



#14

Carbon disulfide

Concen: 22.796 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013824.D

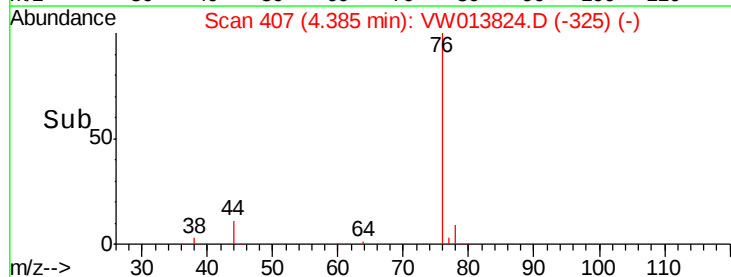
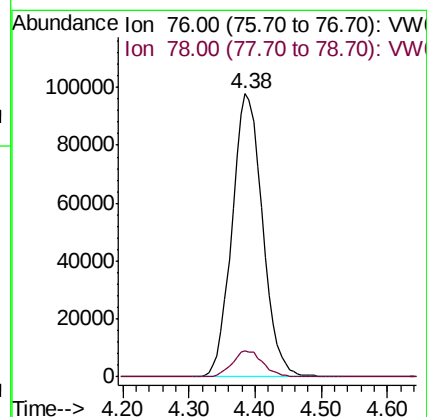
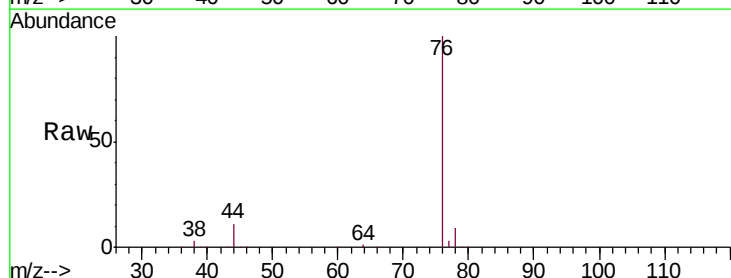
Acq: 30 Oct 2019 05:35

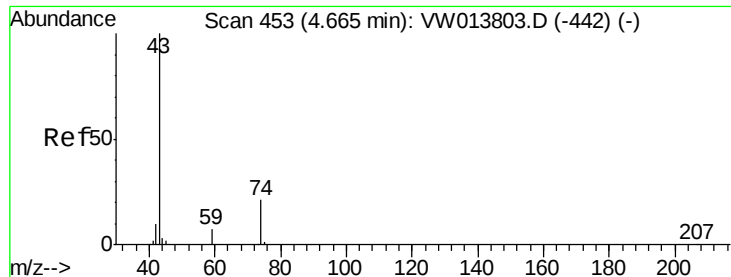
Tgt Ion: 76 Resp: 313033

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

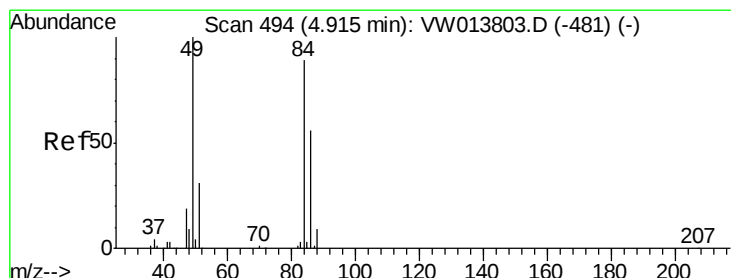
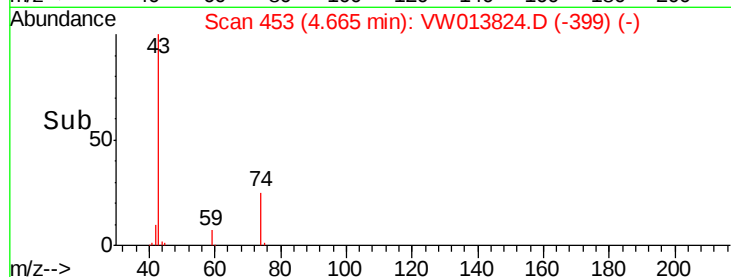
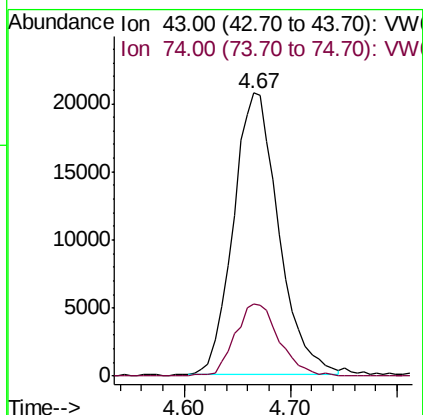
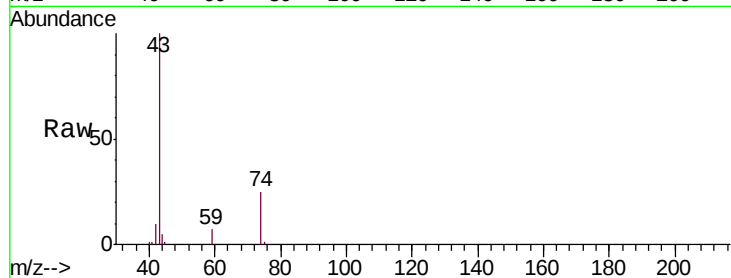




#15
Methyl Acetate
Concen: 25.658 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

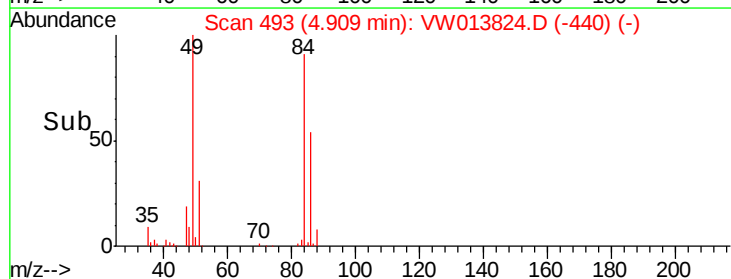
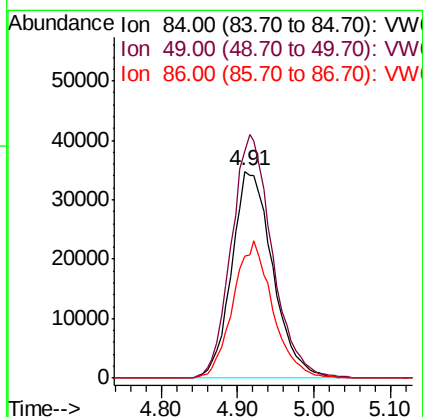
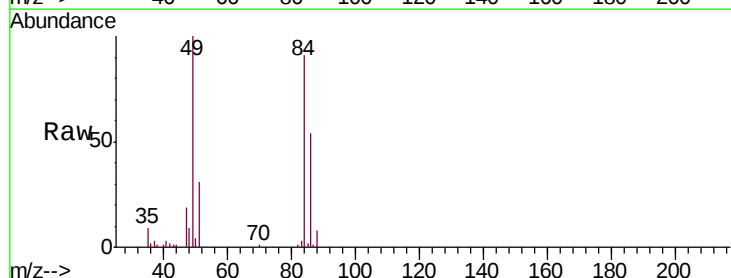
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

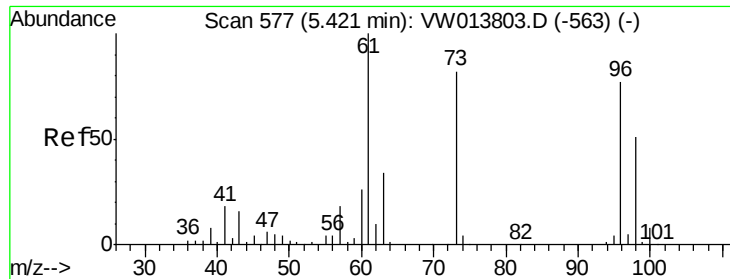
Tgt Ion: 43 Resp: 61657
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8



#16
Methylene chloride
Concen: 22.351 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

Tgt Ion: 84 Resp: 129237
Ion Ratio Lower Upper
84 100
49 109.9 80.2 148.9
86 59.1 42.7 79.3

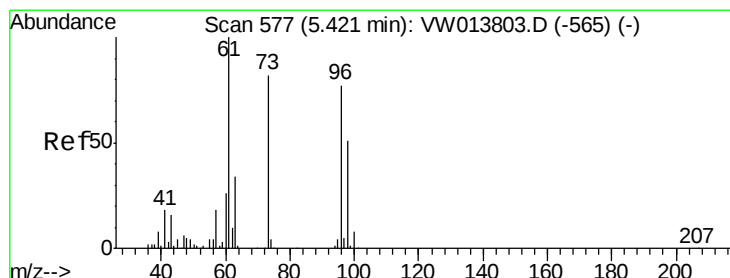
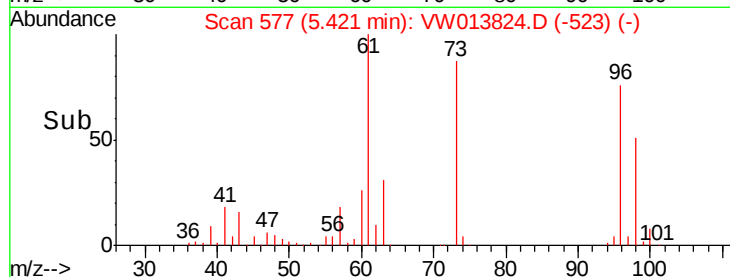
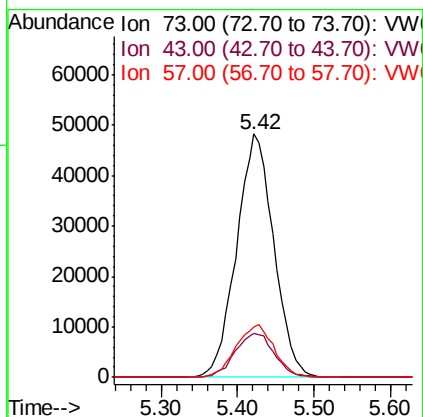
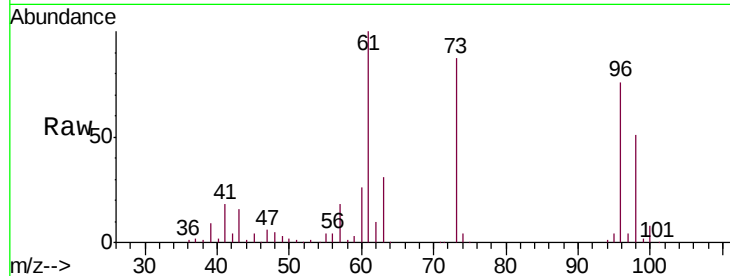




#17
Methyl tert-butyl Ether
Concen: 24.560 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

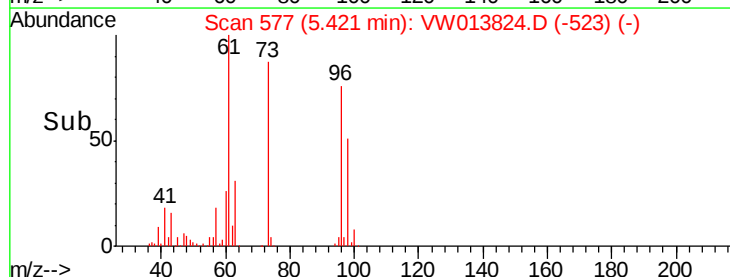
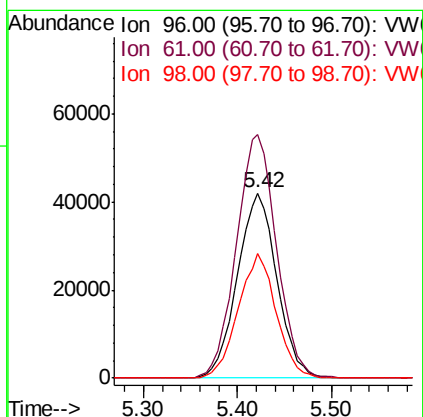
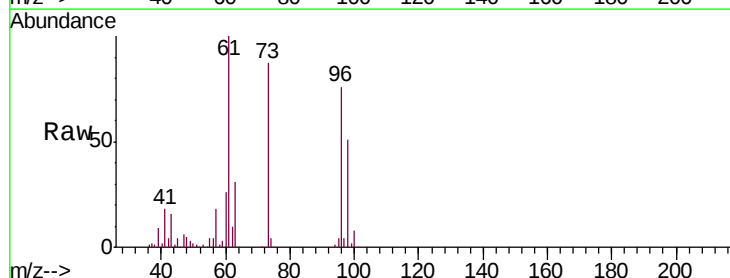
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

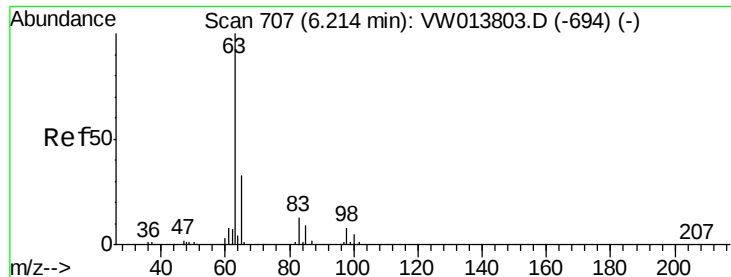
Tgt Ion: 73 Resp: 163086
Ion Ratio Lower Upper
73 100
43 19.0 15.4 23.2
57 22.2 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 23.232 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

Tgt Ion: 96 Resp: 123244
Ion Ratio Lower Upper
96 100
61 131.4 88.4 164.2
98 67.0 43.0 79.8

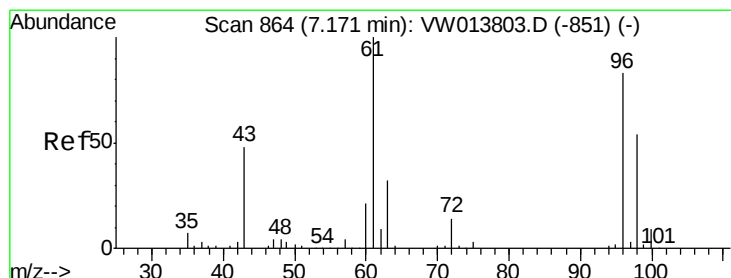
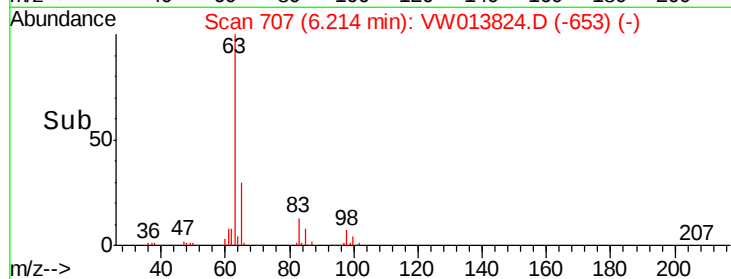
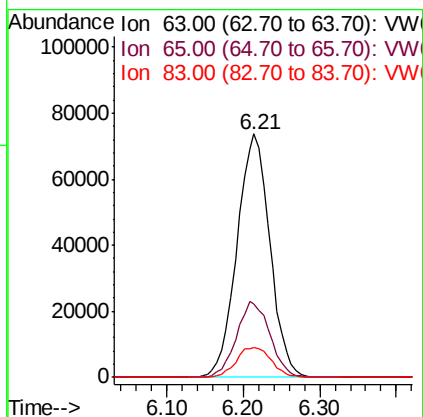
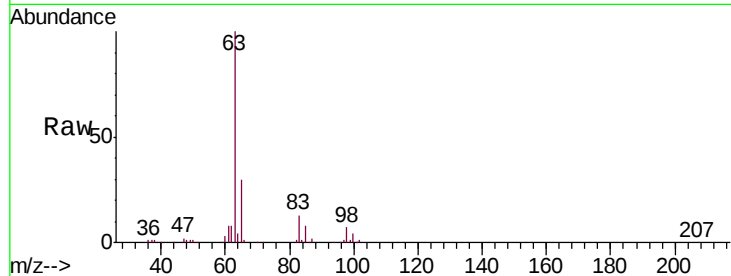




#19
 1,1-Dichloroethane
 Concen: 24.449 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

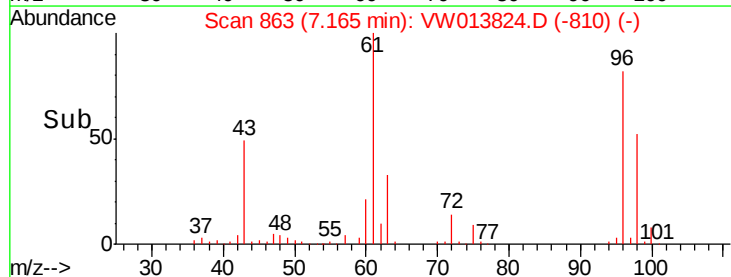
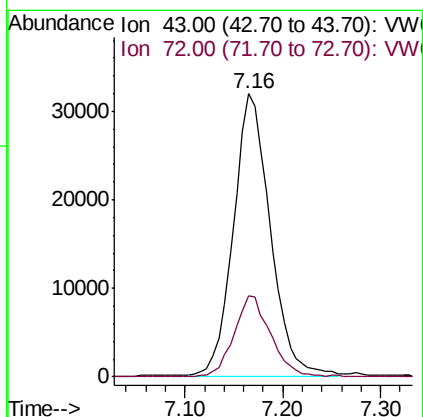
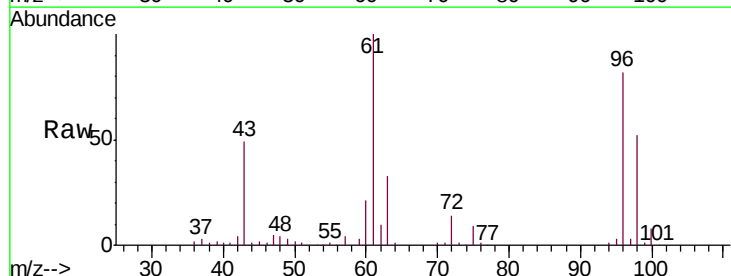
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

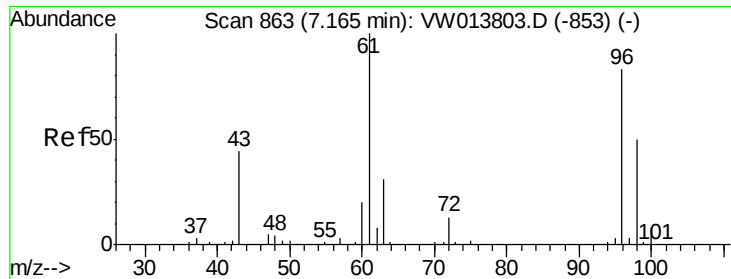
Tgt Ion: 63 Resp: 219542
 Ion Ratio Lower Upper
 63 100
 65 29.9 20.9 38.7
 83 12.5 9.2 17.2



#21
 2-Butanone
 Concen: 44.693 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Tgt Ion: 43 Resp: 83455
 Ion Ratio Lower Upper
 43 100
 72 28.5 13.7 41.1



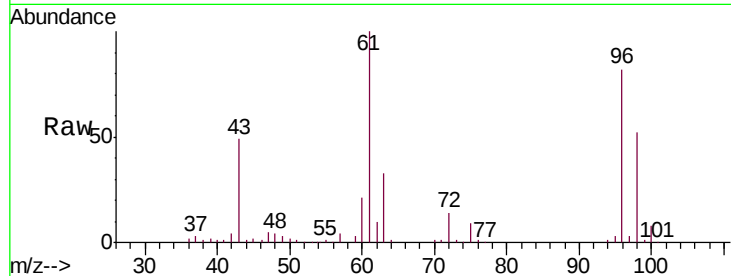


#22

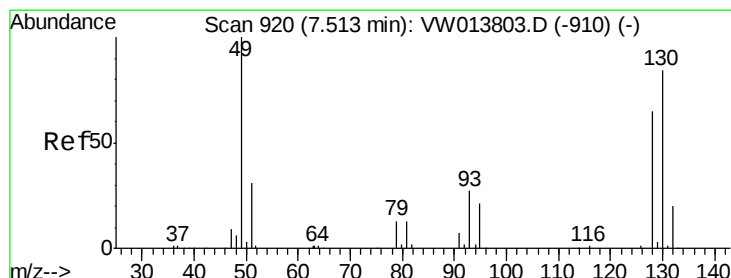
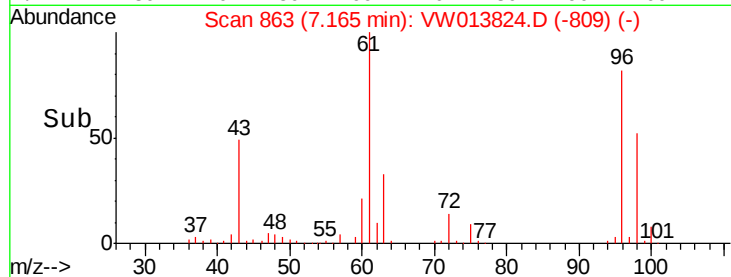
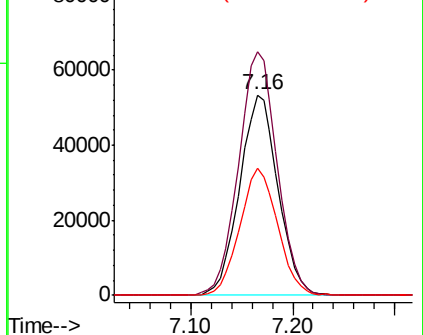
cis-1,2-Dichloroethene
 Concen: 24.498 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion: 96 Resp: 139498
 Ion Ratio Lower Upper
 96 100
 61 121.5 86.2 160.0
 98 63.3 43.0 79.8



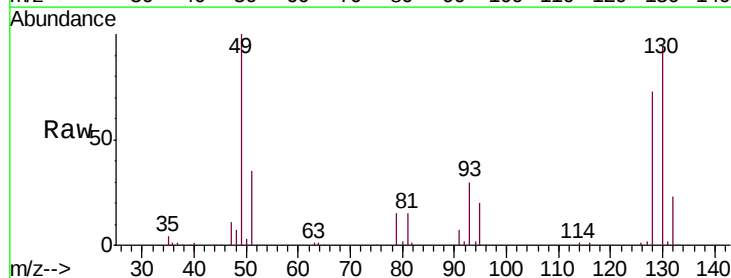
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



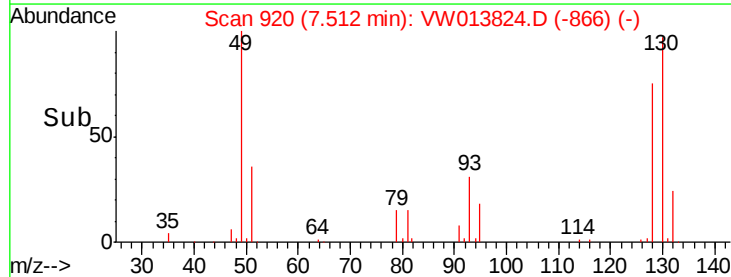
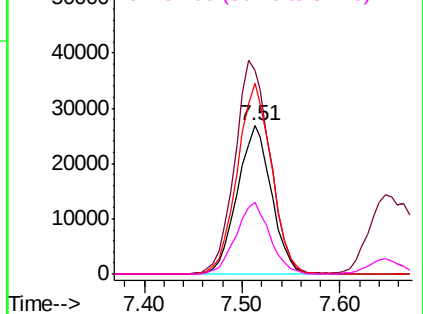
#23

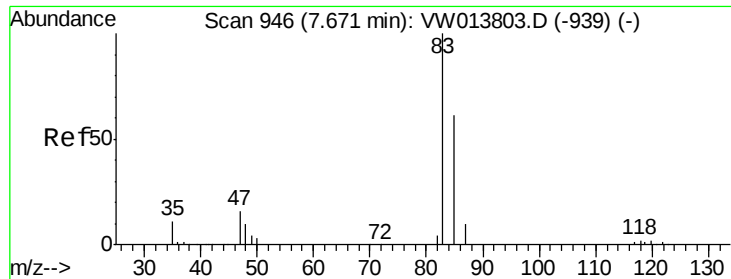
Bromochloromethane
 Concen: 25.303 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Tgt Ion: 128 Resp: 65123
 Ion Ratio Lower Upper
 128 100
 49 137.8 106.3 197.3
 130 129.2 93.2 173.2
 51 48.6 37.4 56.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

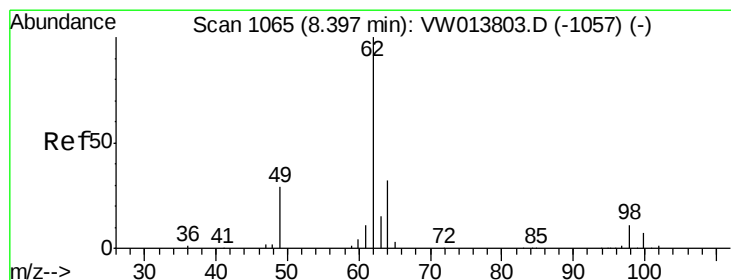
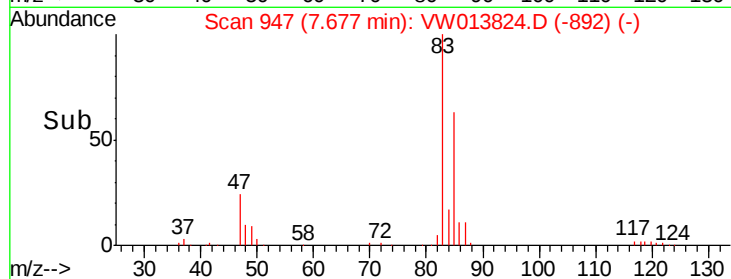
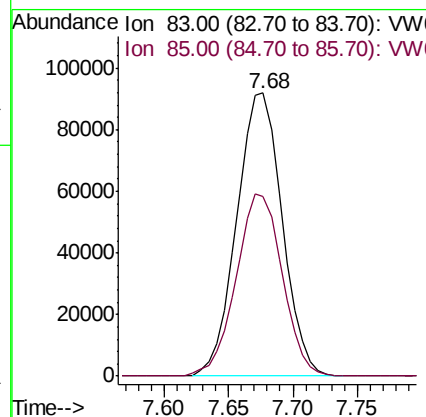
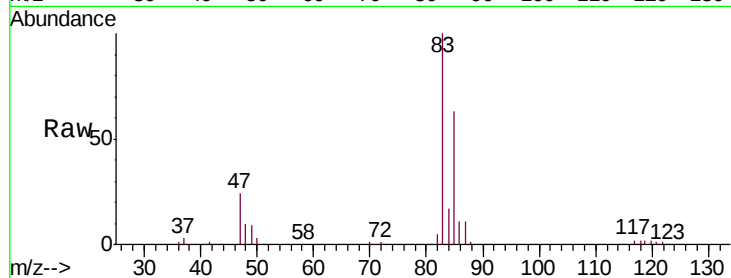




#25
Chloroform
Concen: 24.991 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

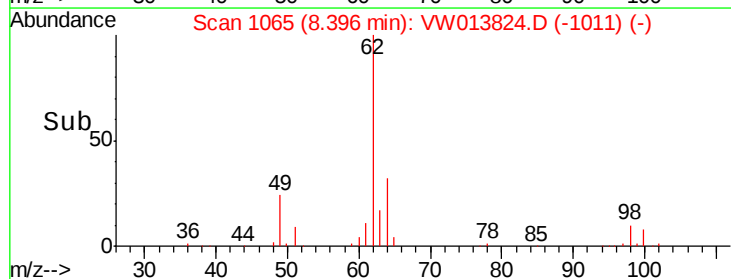
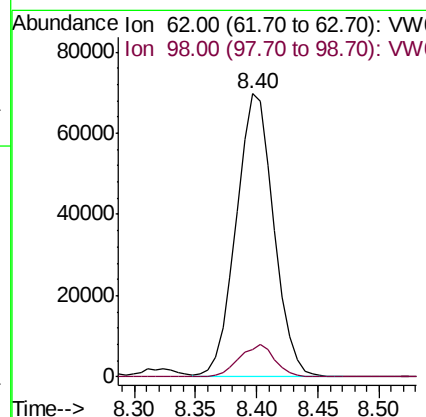
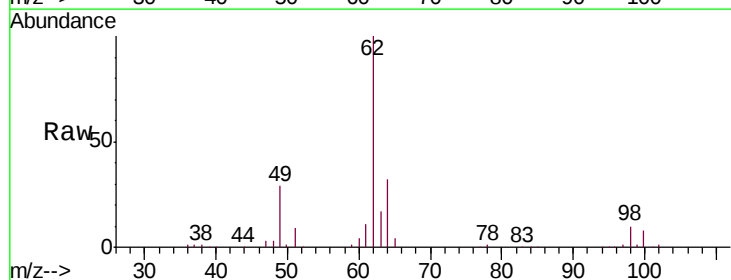
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

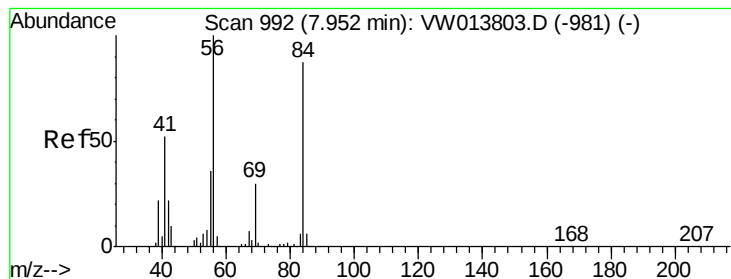
Tgt Ion: 83 Resp: 225426
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.648 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

Tgt Ion: 62 Resp: 148278
Ion Ratio Lower Upper
62 100
98 9.7 9.6 14.4





#30

Cyclohexane

Concen: 21.538 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

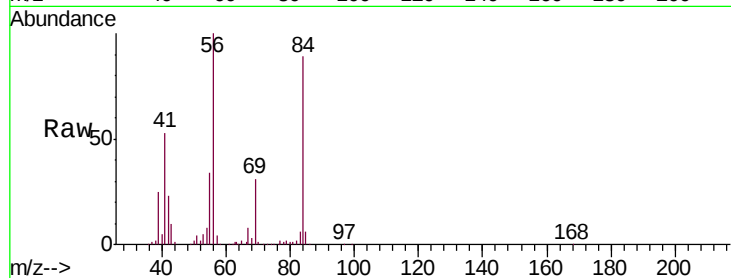
Tgt Ion: 56 Resp: 189523

Ion Ratio Lower Upper

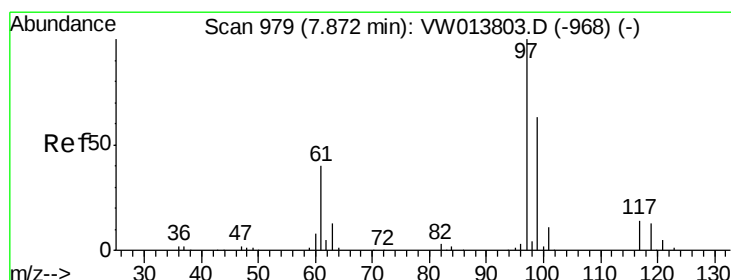
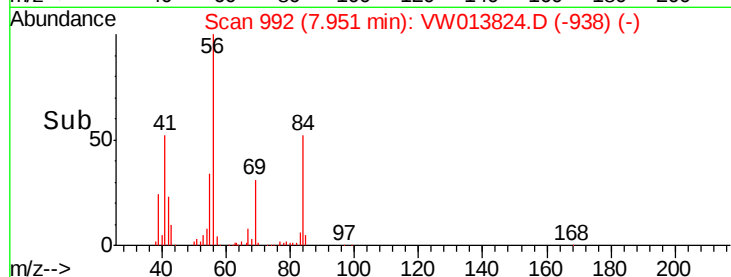
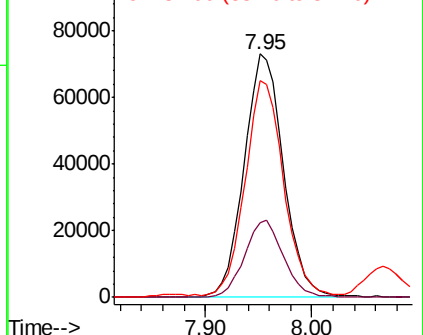
56 100

69 31.6 24.6 37.0

84 87.9 71.1 106.7



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: 23.282 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

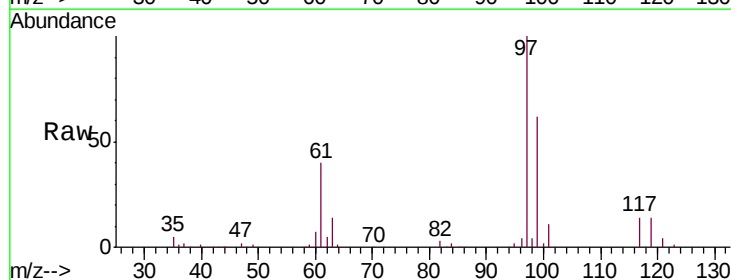
Tgt Ion: 97 Resp: 163106

Ion Ratio Lower Upper

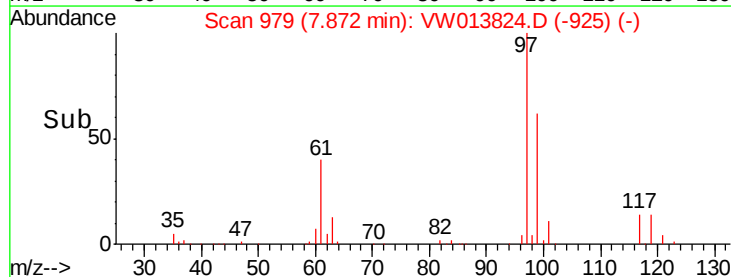
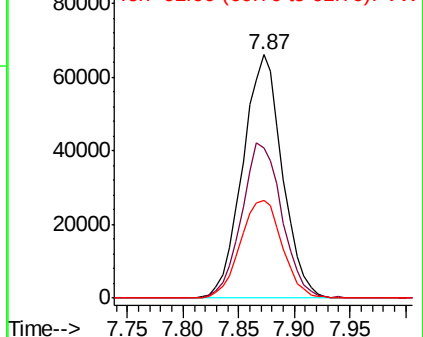
97 100

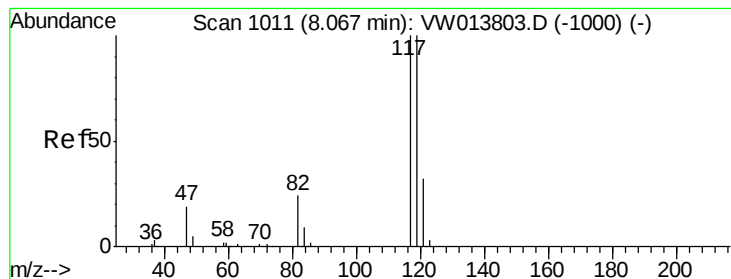
99 64.7 51.7 77.5

61 42.7 33.8 50.8



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: 23.153 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

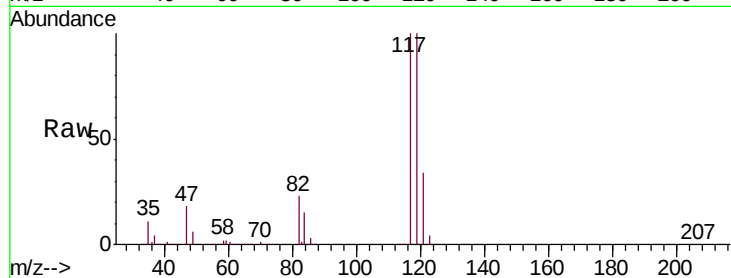
VSTD02509

Tgt Ion:117 Resp: 157945

Ion Ratio Lower Upper

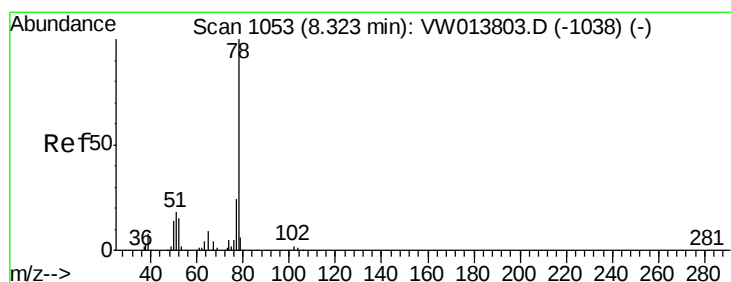
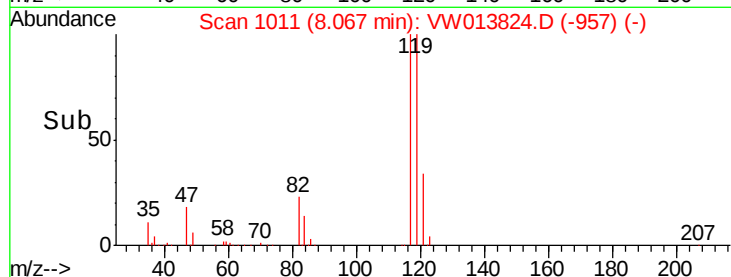
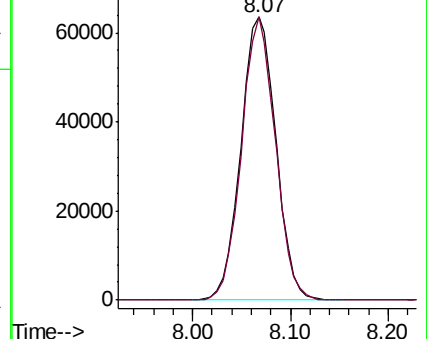
117 100

119 96.3 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.901 ug/L

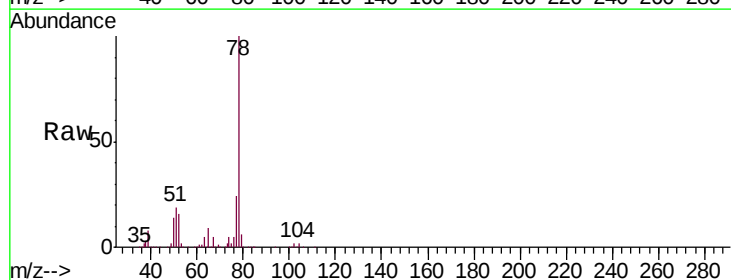
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

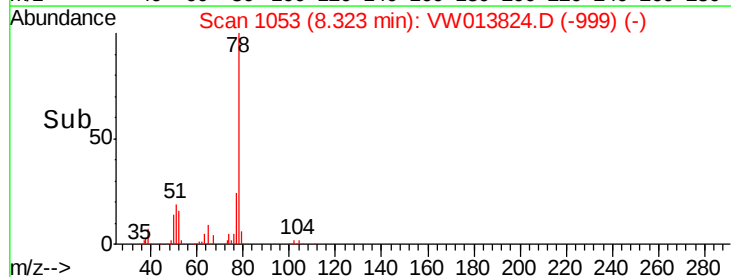
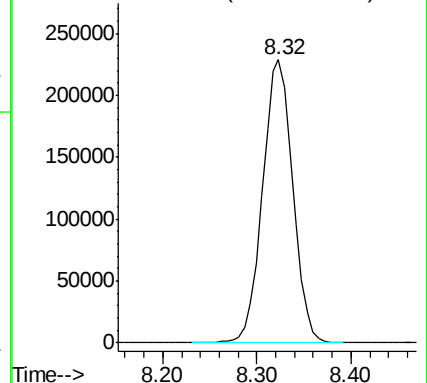
Lab File: VW013824.D

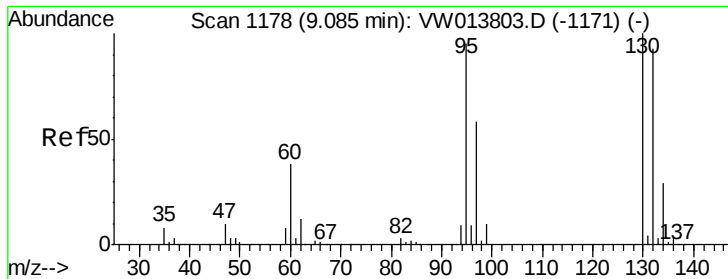
Acq: 30 Oct 2019 05:35

Tgt Ion: 78 Resp: 515103



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.141 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

Tgt Ion: 95 Resp: 127958

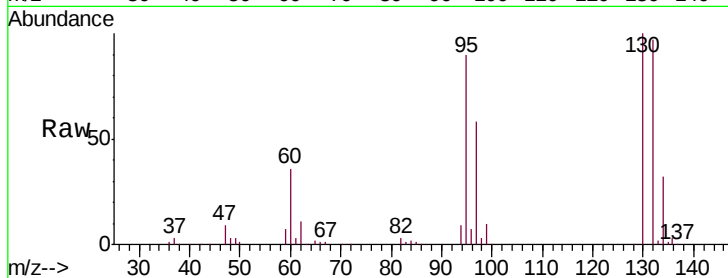
Ion Ratio Lower Upper

95 100

97 65.7 45.8 85.2

132 107.0 74.3 138.1

130 113.0 76.6 142.3

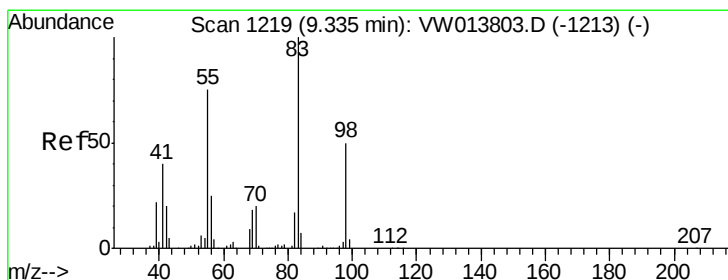
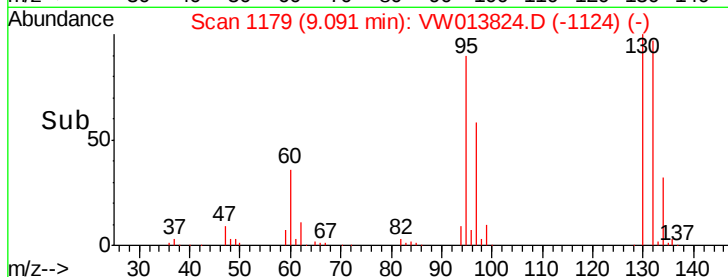
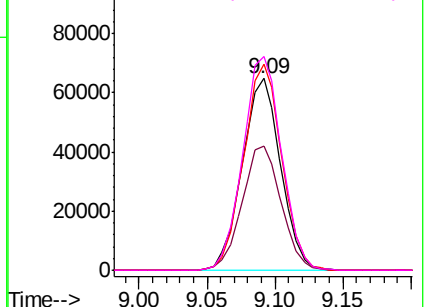


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 21.621 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

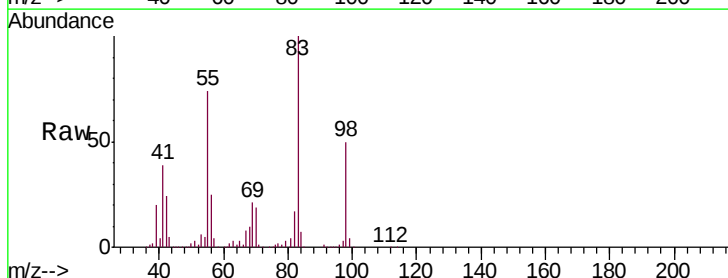
Tgt Ion: 83 Resp: 210718

Ion Ratio Lower Upper

83 100

55 75.5 60.2 90.4

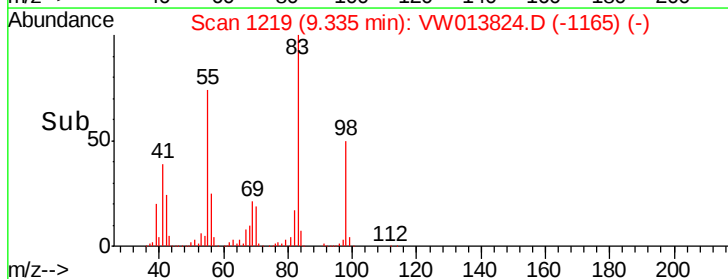
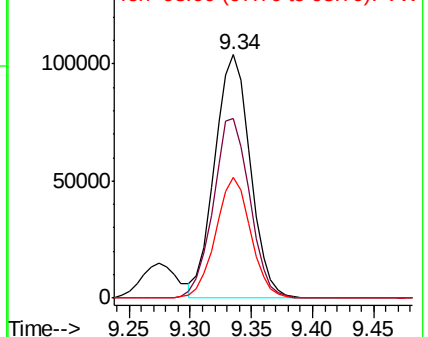
98 48.7 39.1 58.7

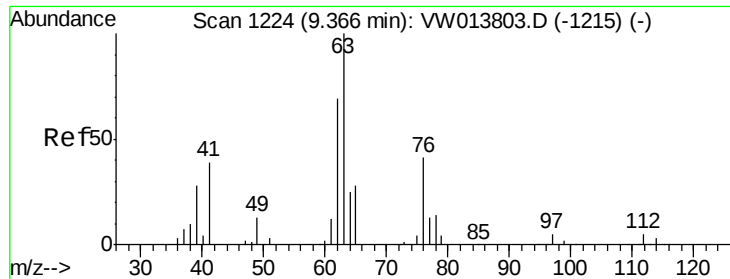


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

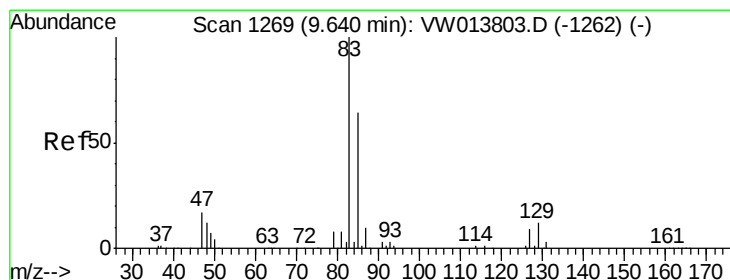
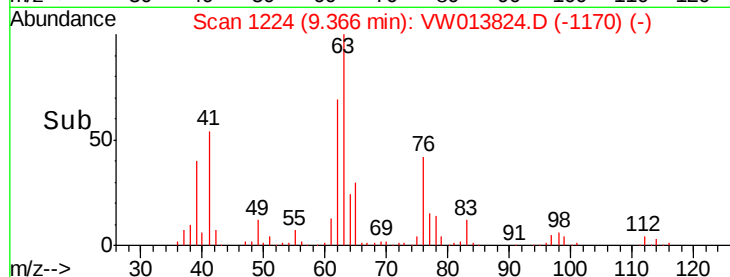
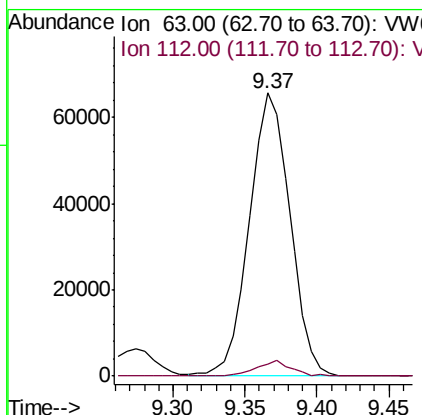
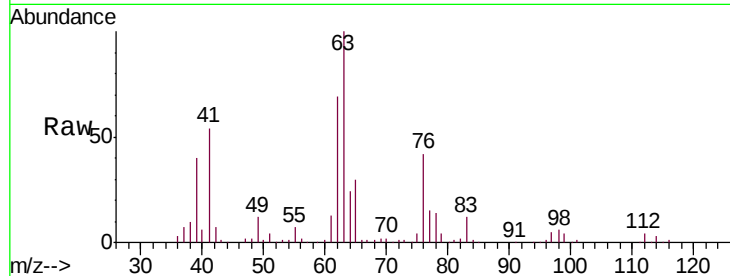




#40
 1,2-Dichloropropane
 Concen: 24.402 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

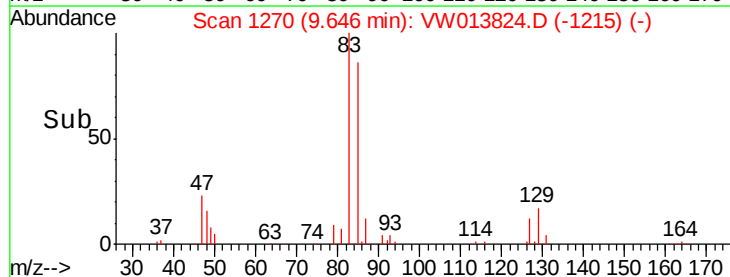
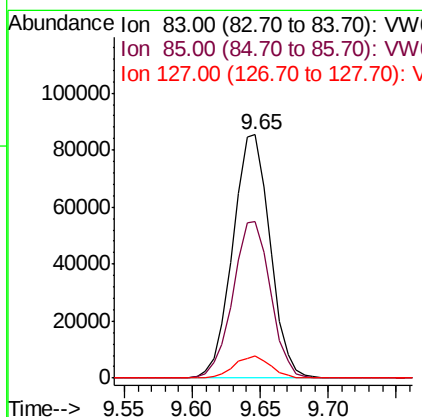
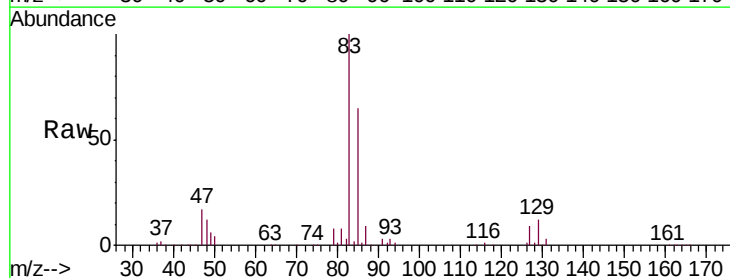
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

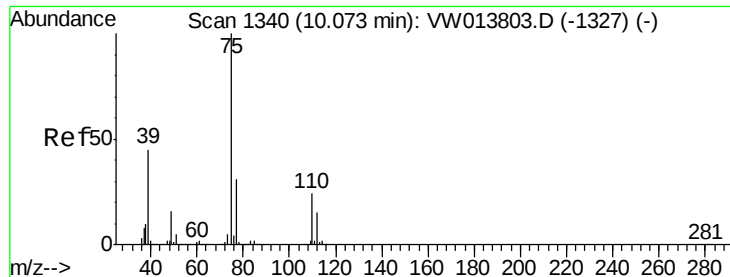
Tgt Ion: 63 Resp: 128586
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.370 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Tgt Ion: 83 Resp: 163807
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.8 85.0
 127 9.3 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 23.559 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

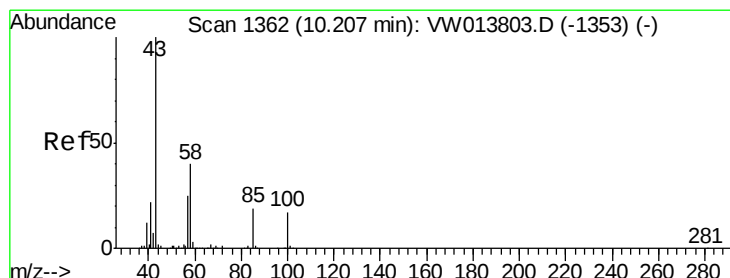
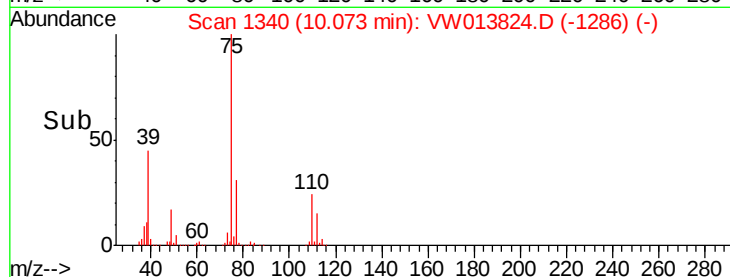
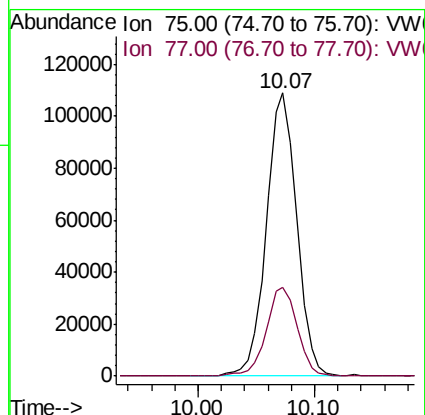
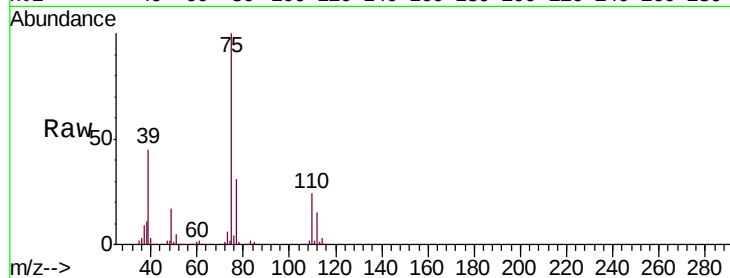
VSTD02509

Tgt Ion: 75 Resp: 196001

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 49.782 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

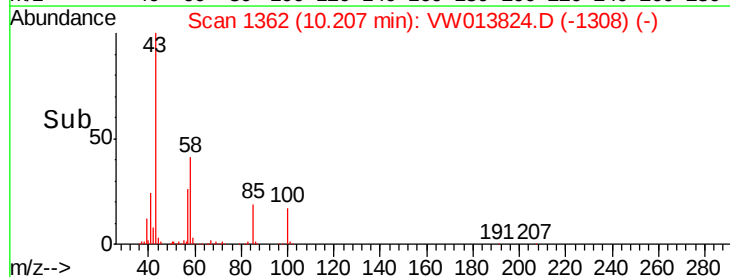
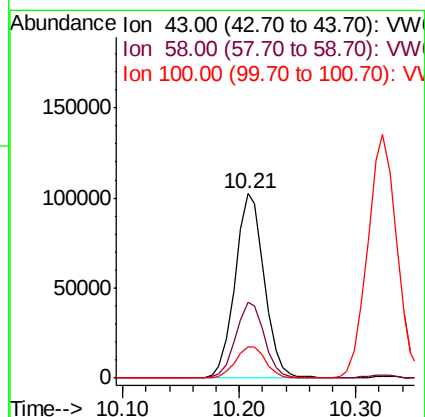
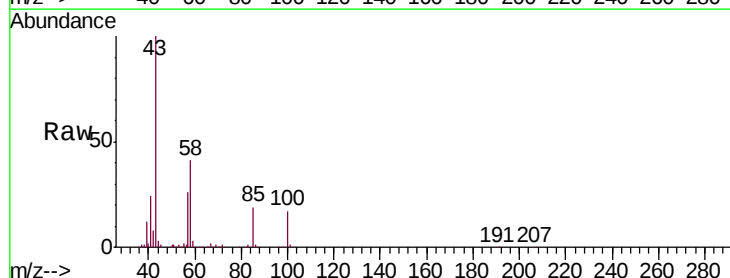
Tgt Ion: 43 Resp: 178976

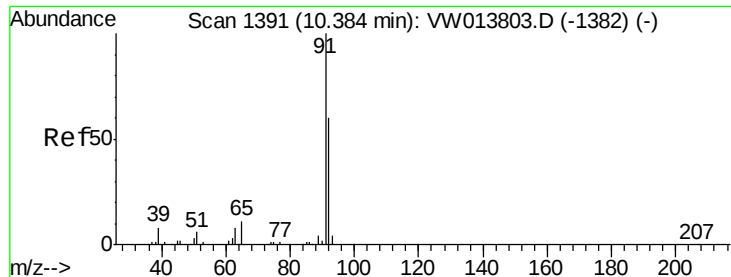
Ion Ratio Lower Upper

43 100

58 40.5 32.8 49.2

100 17.4 13.7 20.5





#44

Toluene

Concen: 23.940 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

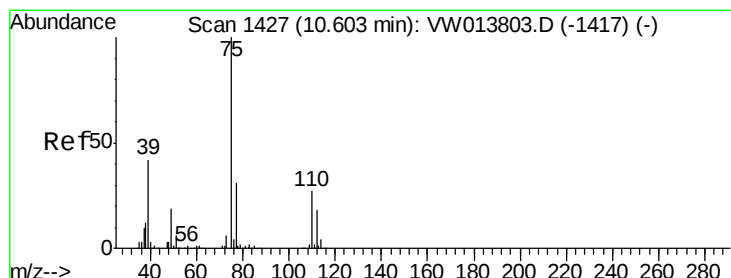
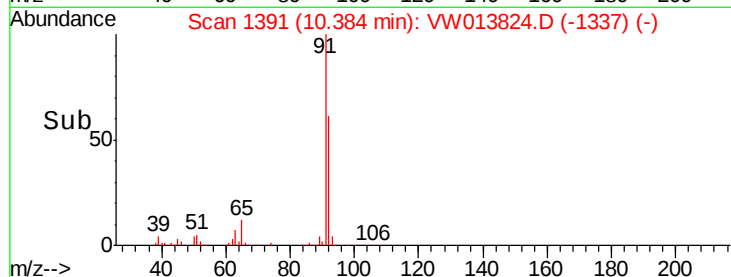
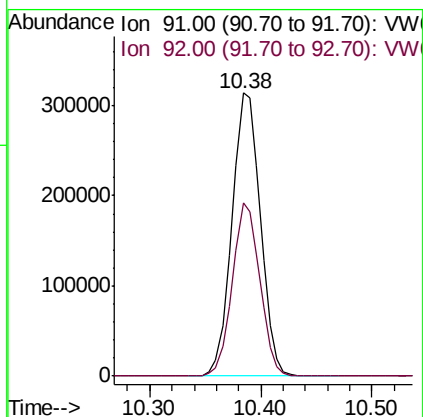
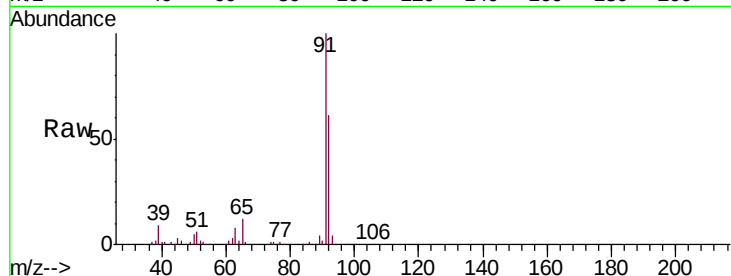
VSTD02509

Tgt Ion: 91 Resp: 554328

Ion Ratio Lower Upper

91 100

92 61.0 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 23.814 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013824.D

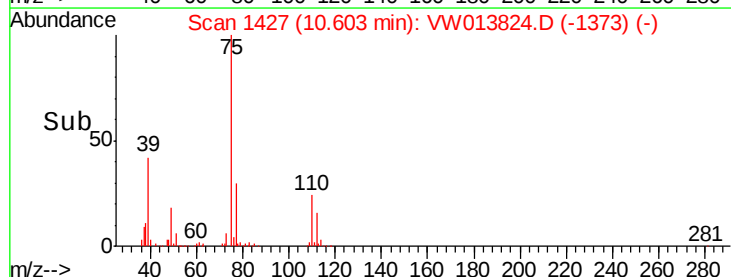
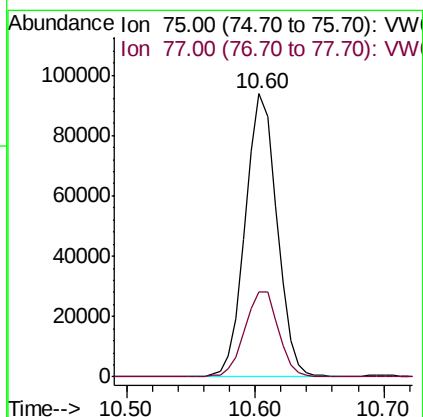
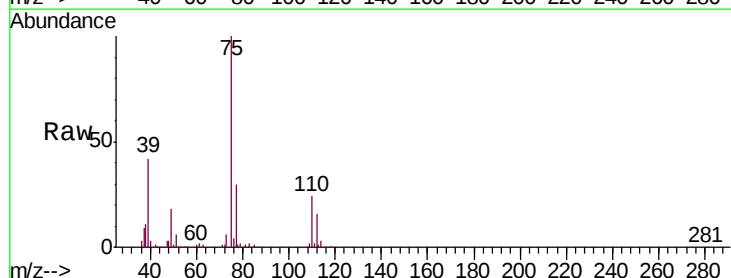
Acq: 30 Oct 2019 05:35

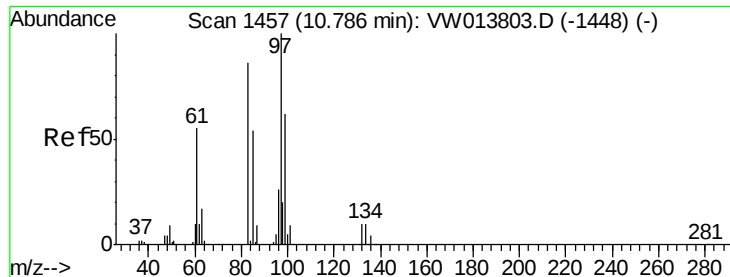
Tgt Ion: 75 Resp: 159926

Ion Ratio Lower Upper

75 100

77 30.2 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 25.030 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 97 Resp: 101722

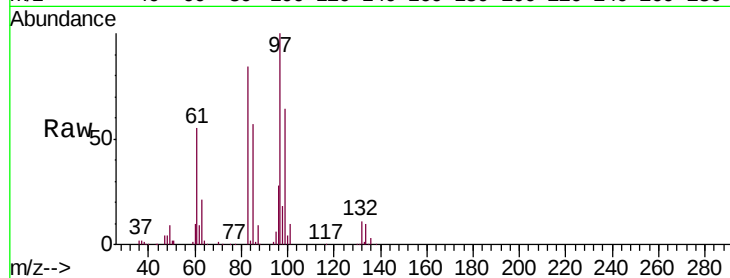
Ion Ratio Lower Upper

97 100

83 83.5 57.7 107.3

85 57.2 38.6 71.6

99 64.0 44.7 82.9

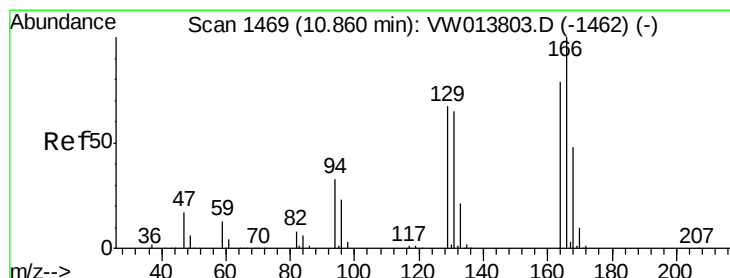
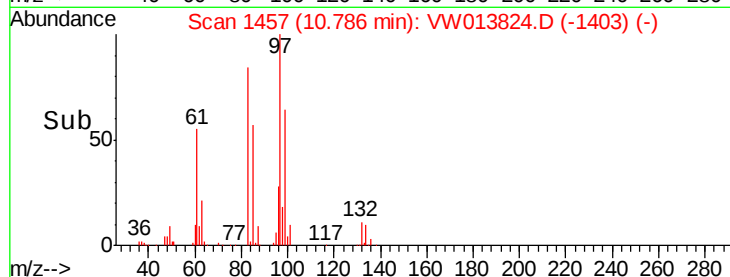
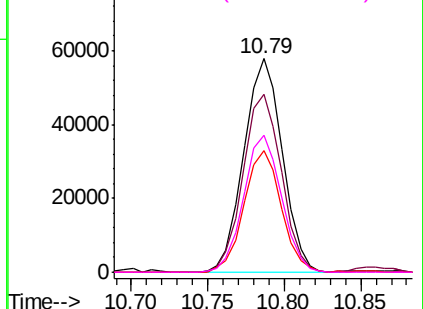


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 22.444 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Tgt Ion: 164 Resp: 113599

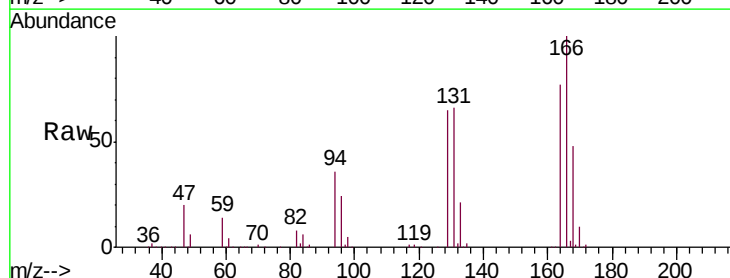
Ion Ratio Lower Upper

164 100

129 84.8 61.8 114.8

131 86.3 59.2 110.0

166 130.5 89.2 165.8

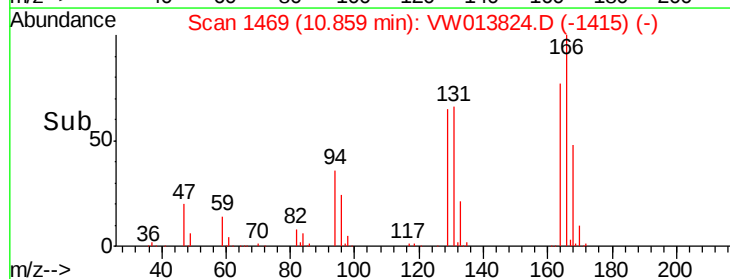
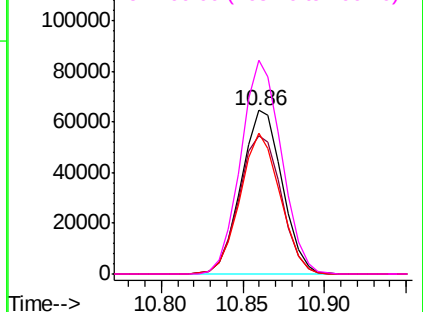


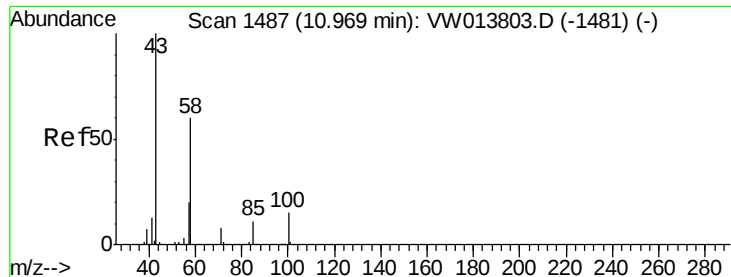
Abundance Ion 164.00 (163.70 to 164.70): V

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

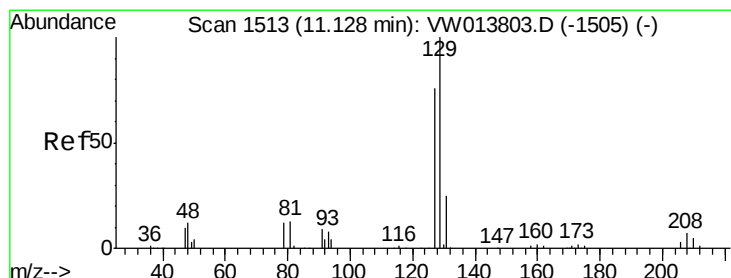
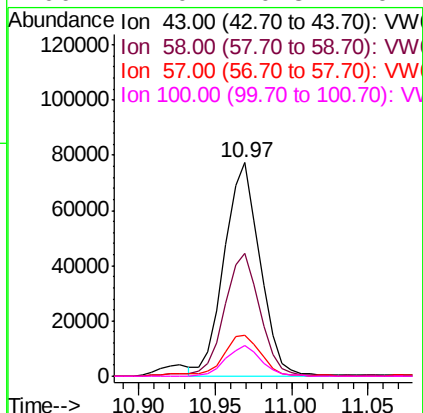
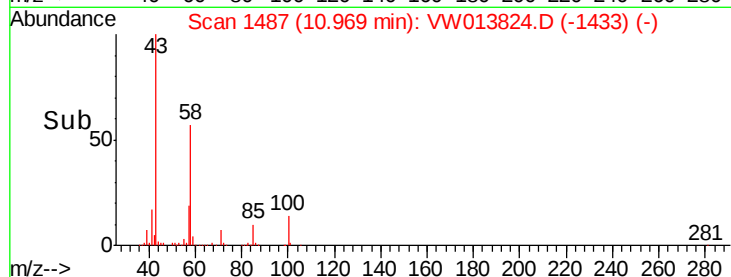
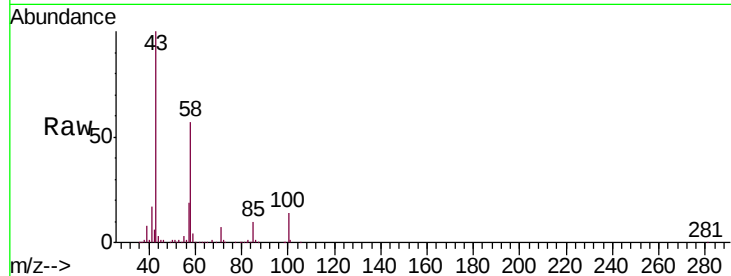




#49
2-Hexanone
Concen: 49.391 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

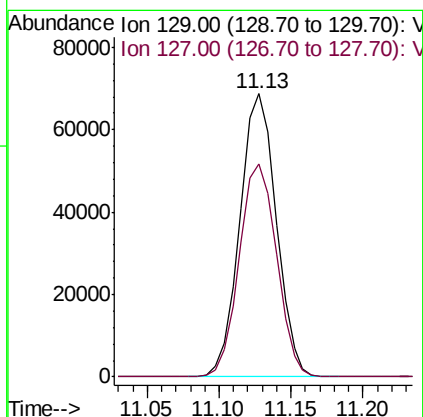
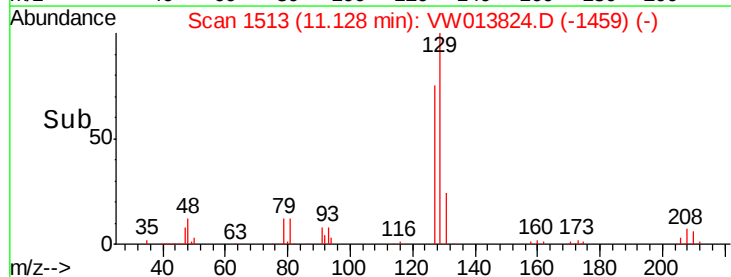
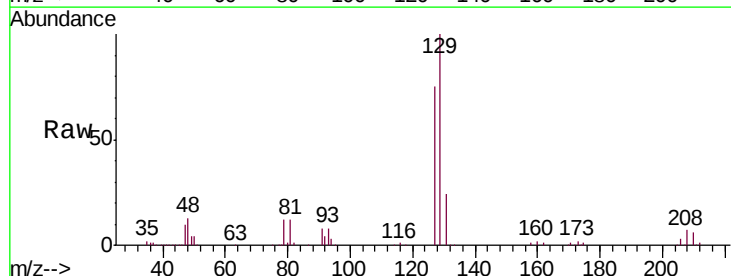
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

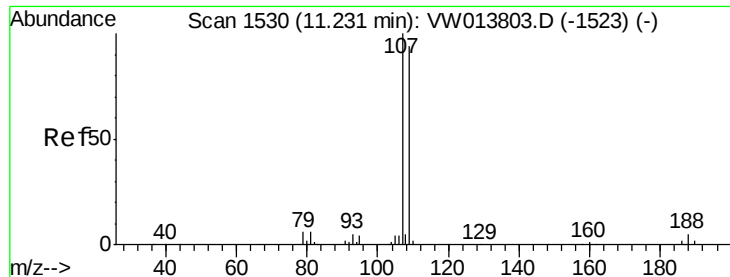
Tgt Ion:	43	Resp:	125977
Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.8	68.6
57	19.4	15.4	23.2
100	14.0	10.8	16.2



#50
Dibromochloromethane
Concen: 25.196 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

Tgt Ion:	129	Resp:	120849
Ion	Ratio	Lower	Upper
129	100		
127	75.3	51.4	95.5

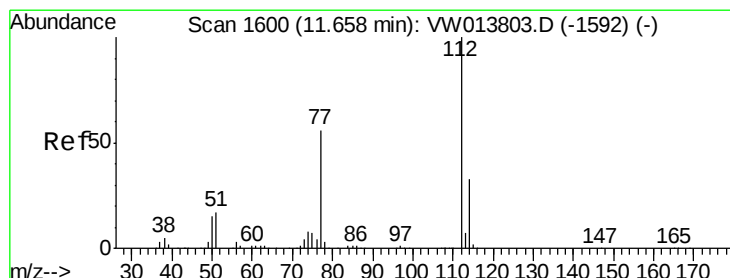
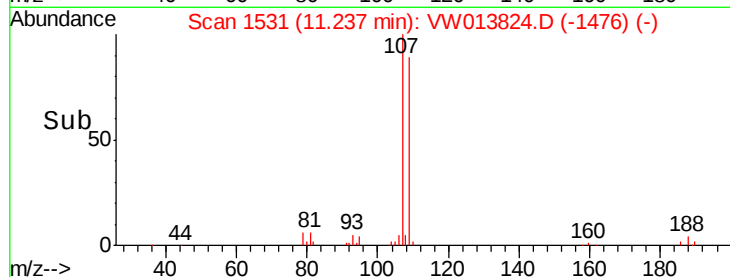
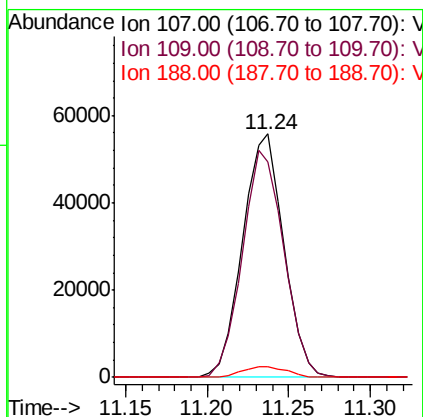
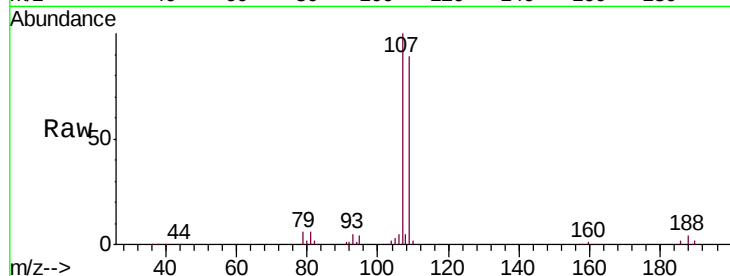




#51
1,2-Dibromoethane
Concen: 24.712 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

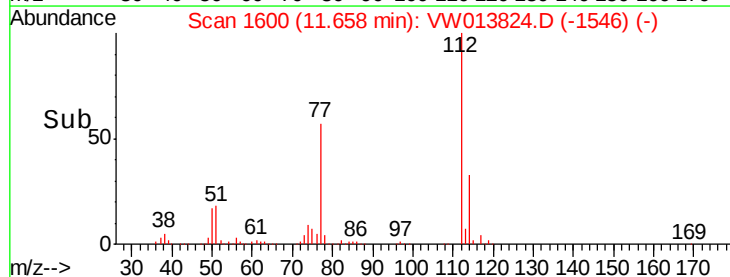
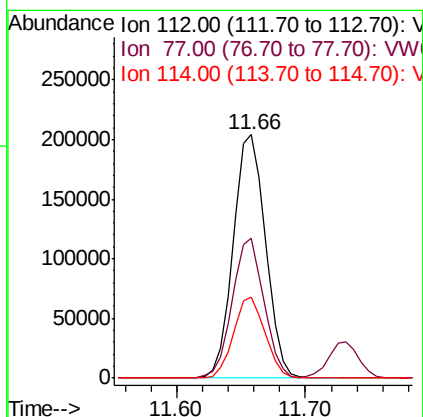
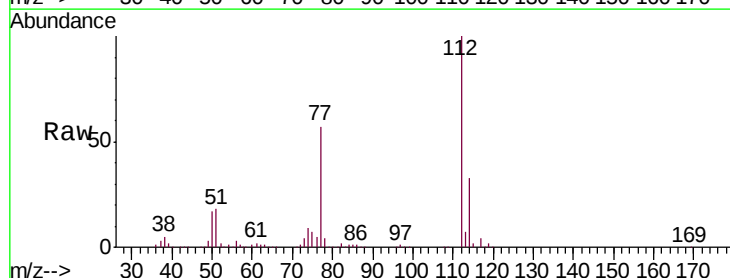
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

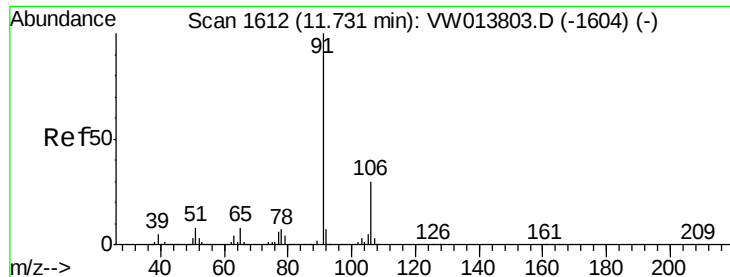
Tgt Ion:107 Resp: 97662
Ion Ratio Lower Upper
107 100
109 88.5 64.0 118.8
188 4.4 3.4 5.2



#52
Chlorobenzene
Concen: 24.000 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

Tgt Ion:112 Resp: 355564
Ion Ratio Lower Upper
112 100
77 57.2 44.1 66.1
114 33.1 23.4 43.4

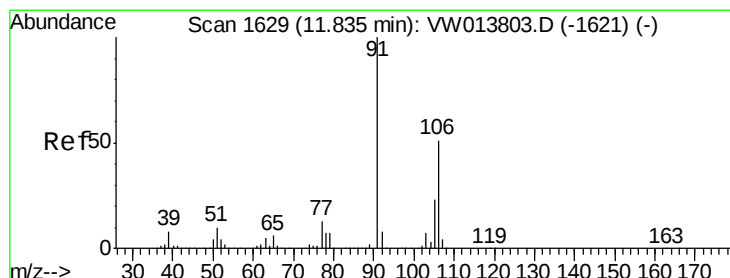
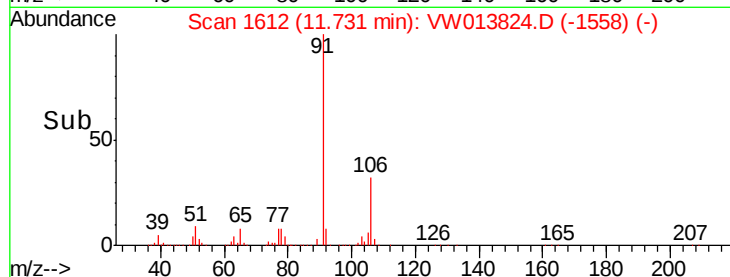
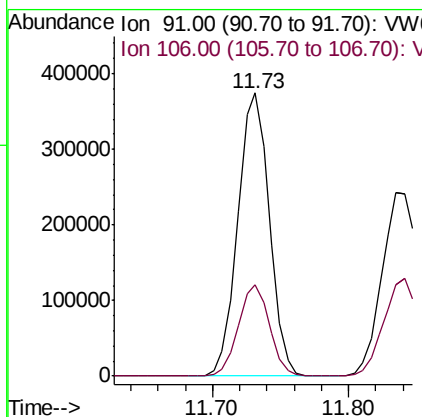
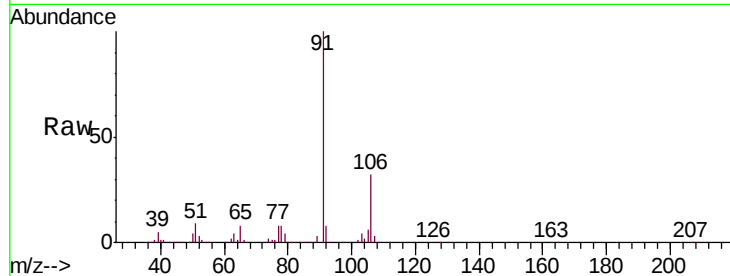




#53
Ethylbenzene
Concen: 23.644 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

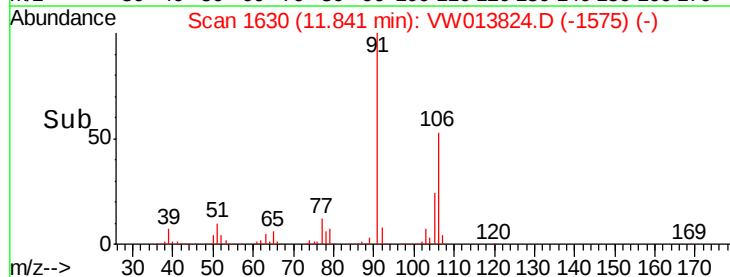
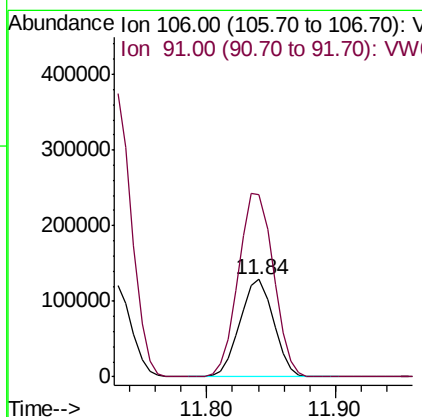
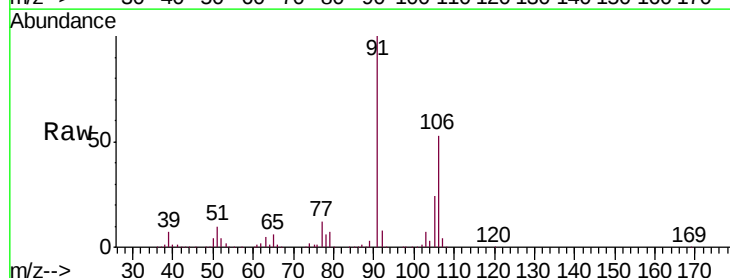
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

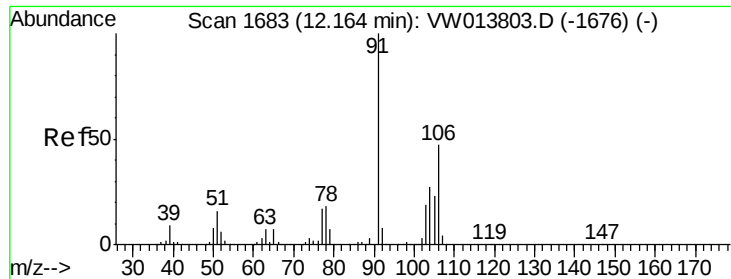
Tgt Ion: 91 Resp: 604899
Ion Ratio Lower Upper
91 100
106 32.4 22.3 41.3



#54
m,p-Xylene
Concen: 23.726 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

Tgt Ion: 106 Resp: 234559
Ion Ratio Lower Upper
106 100
91 187.5 137.7 255.7

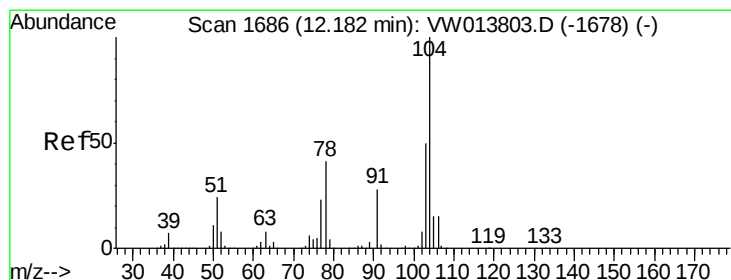
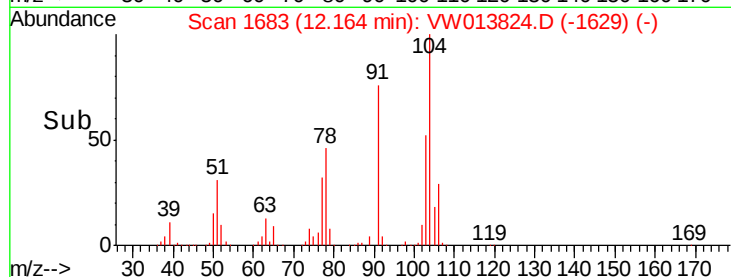
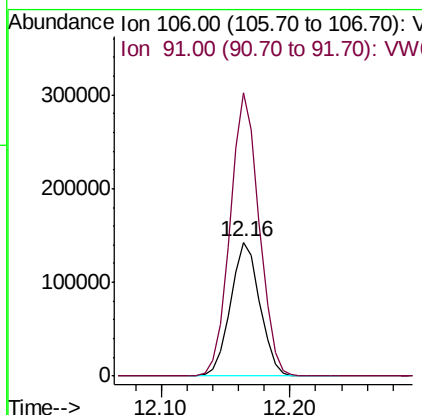
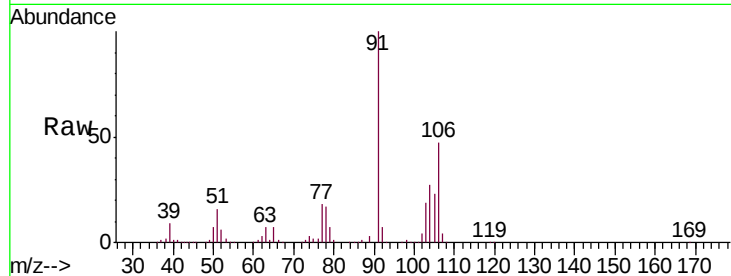




#55
o-xylene
Concen: 24.137 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

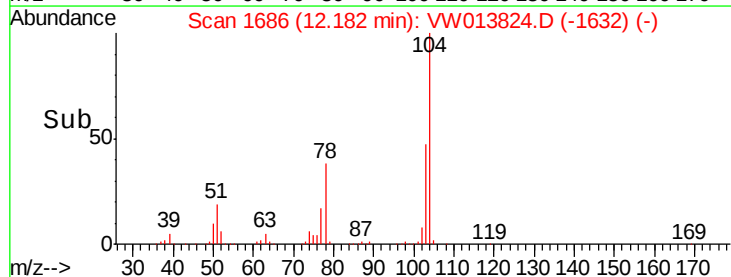
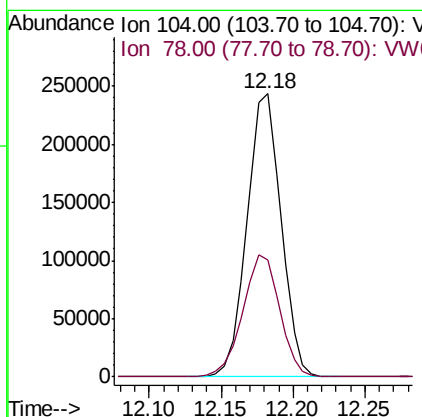
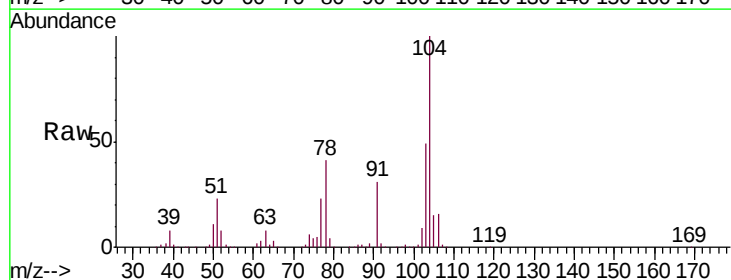
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

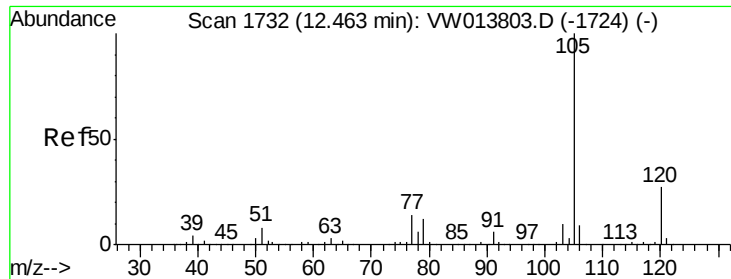
Tgt Ion:106 Resp: 226448
Ion Ratio Lower Upper
106 100
91 211.6 144.8 269.0



#56
Styrene
Concen: 24.792 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013824.D
Acq: 30 Oct 2019 05:35

Tgt Ion:104 Resp: 397898
Ion Ratio Lower Upper
104 100
78 41.2 29.3 54.5





#57

Isopropylbenzene

Concen: 23.768 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

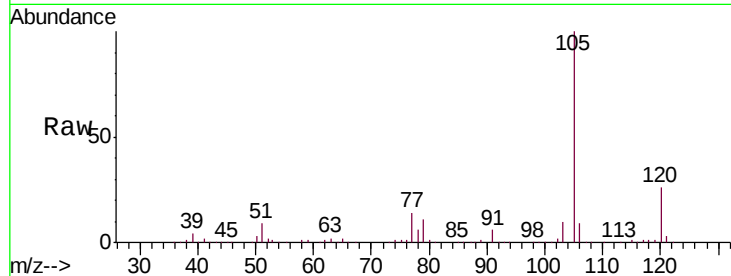
Tgt Ion: 105 Resp: 598117

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

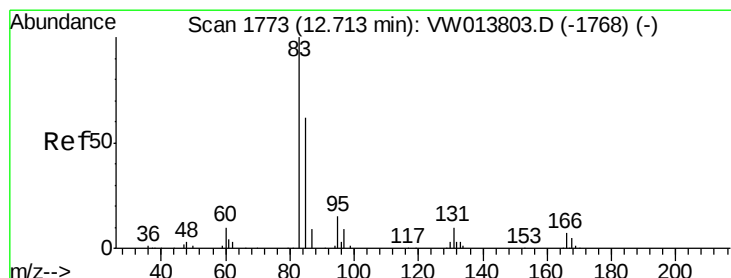
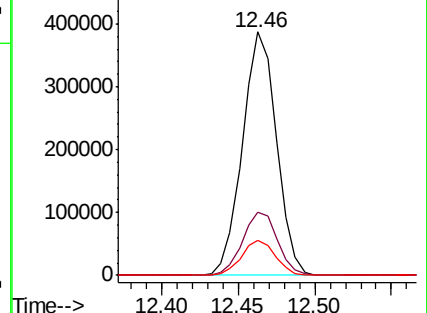
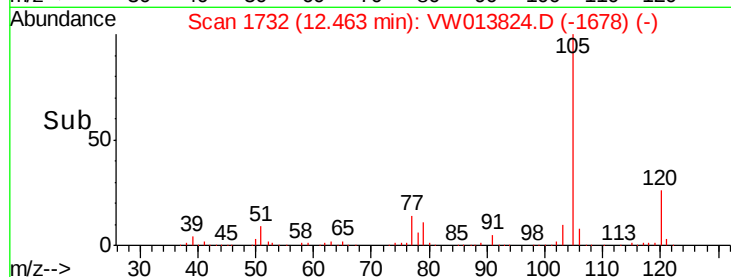
77 14.5 11.4 17.0



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: 25.673 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

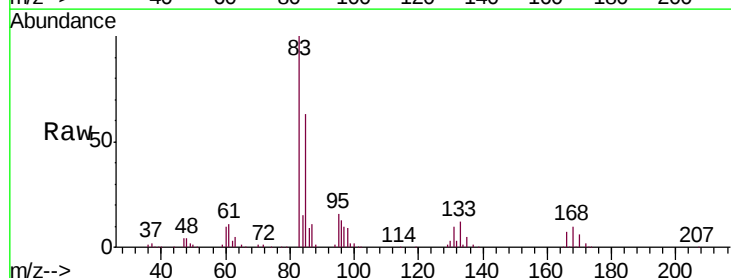
Tgt Ion: 83 Resp: 122290

Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.3

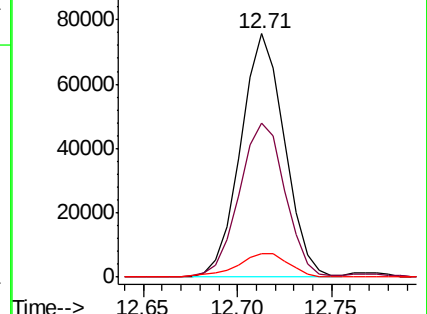
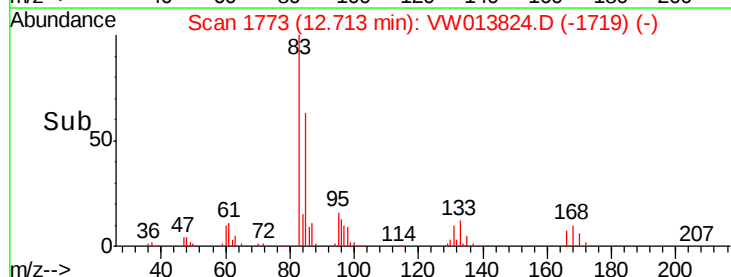
131 9.6 8.6 13.0

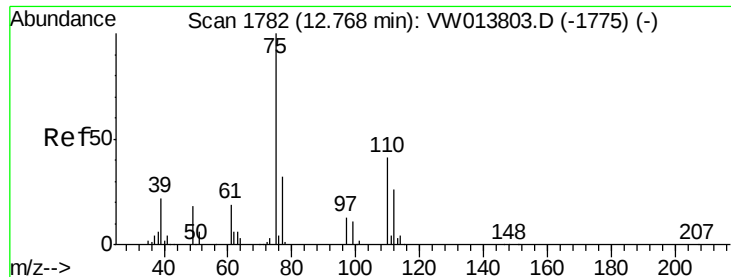


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.974 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

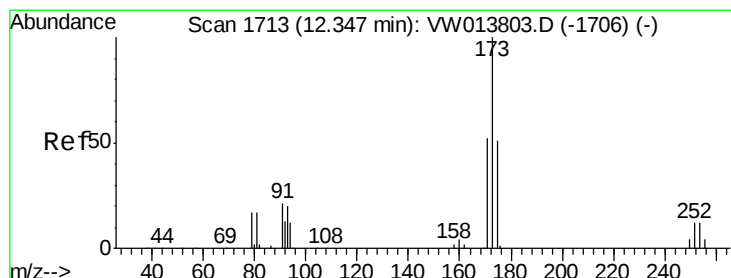
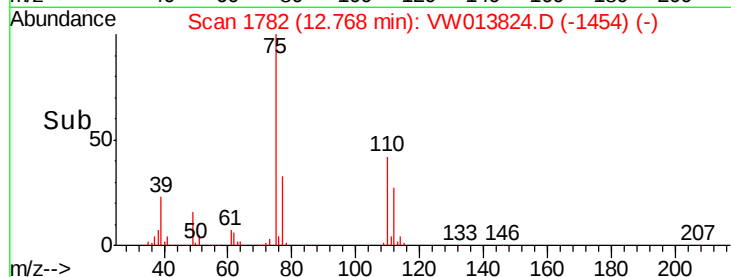
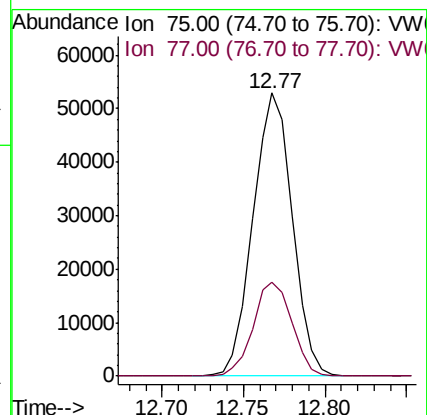
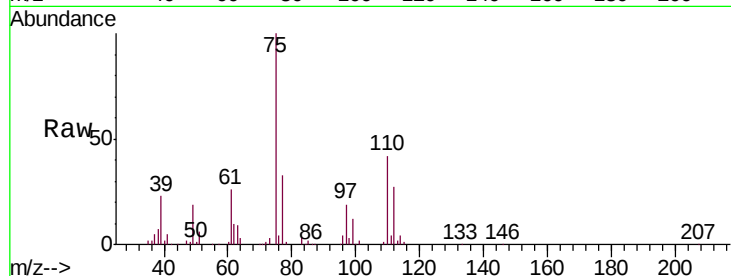
VSTD02509

Tgt Ion: 75 Resp: 88709

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6



#62

Bromoform

Concen: 25.424 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

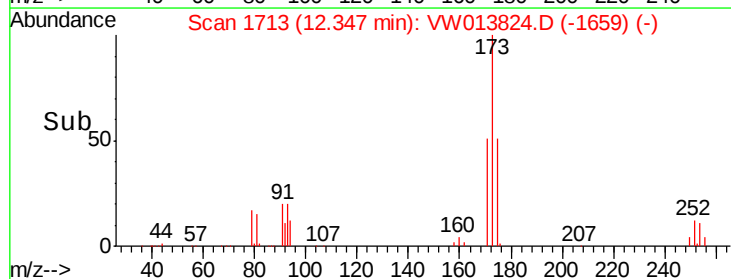
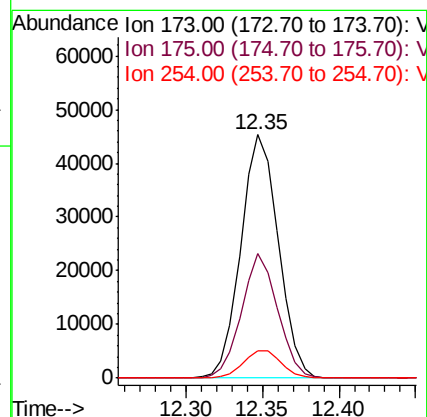
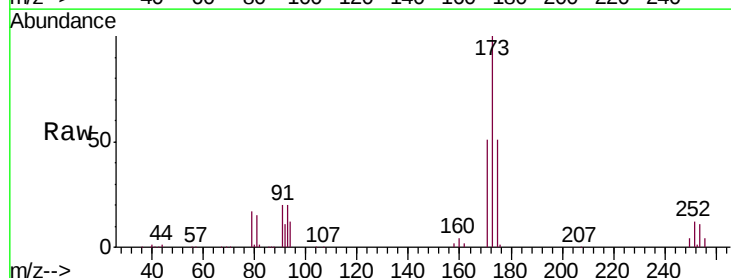
Tgt Ion: 173 Resp: 77112

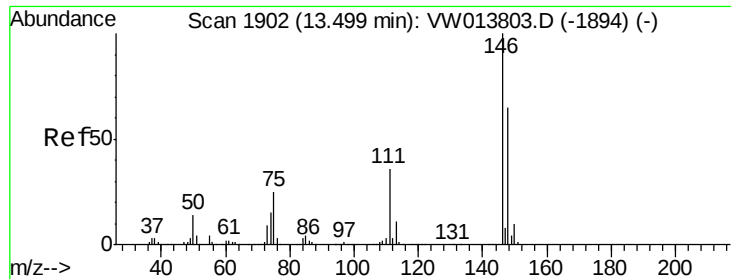
Ion Ratio Lower Upper

173 100

175 49.3 39.1 58.7

254 11.6 9.6 14.4

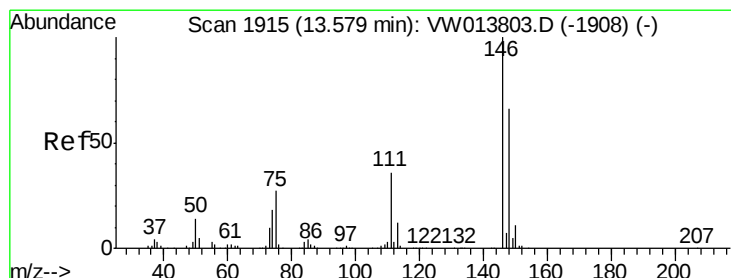
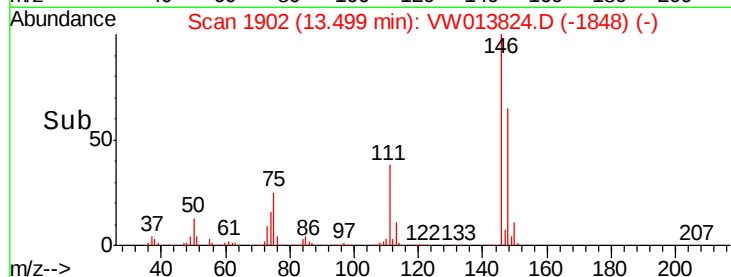
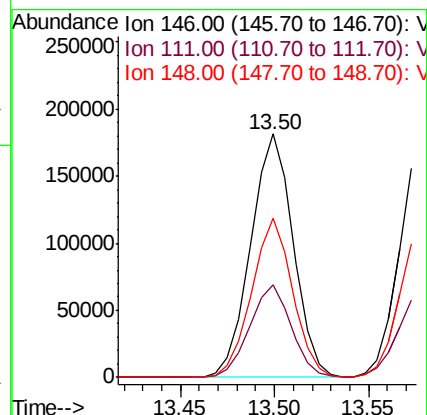
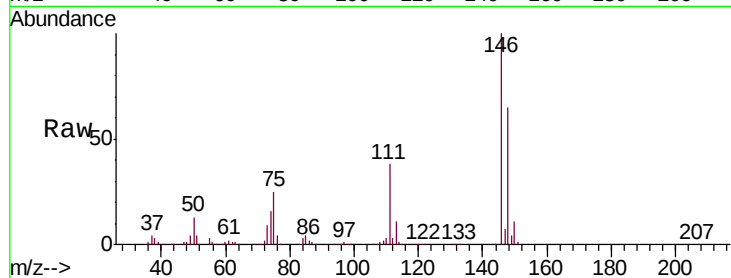




#63
 1,3-Dichlorobenzene
 Concen: 23.543 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

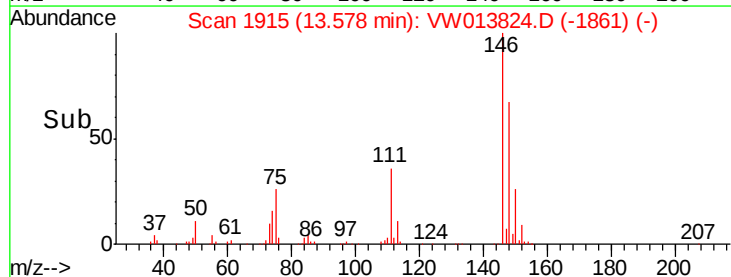
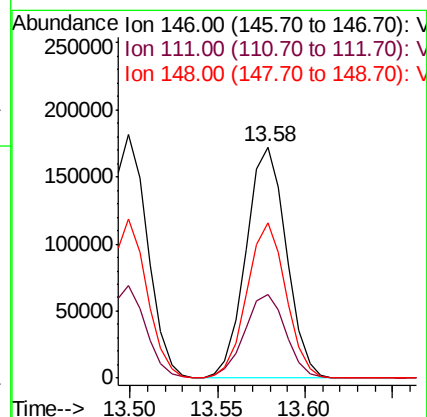
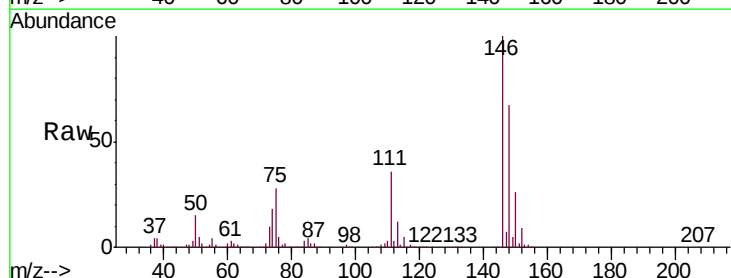
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

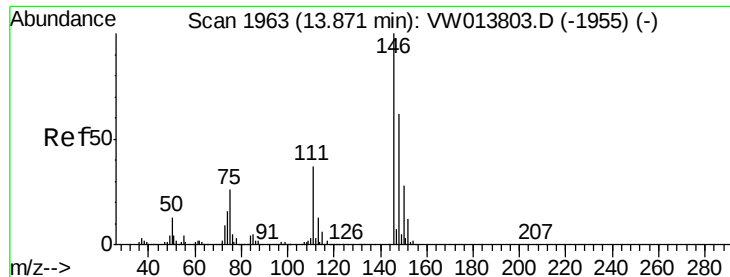
Tgt Ion:146 Resp: 282714
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.1 48.5
 148 65.3 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 23.064 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Tgt Ion:146 Resp: 278319
 Ion Ratio Lower Upper
 146 100
 111 36.1 24.8 46.0
 148 67.3 43.0 79.8

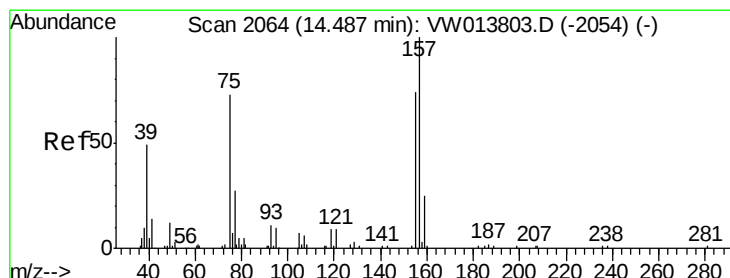
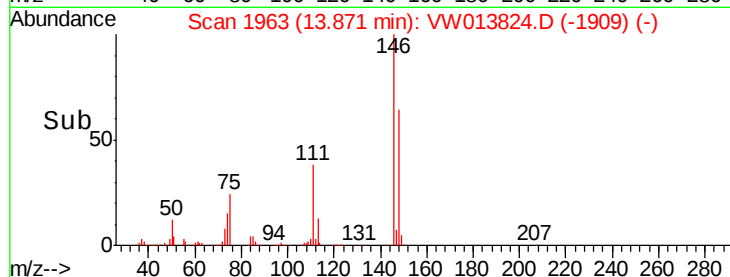
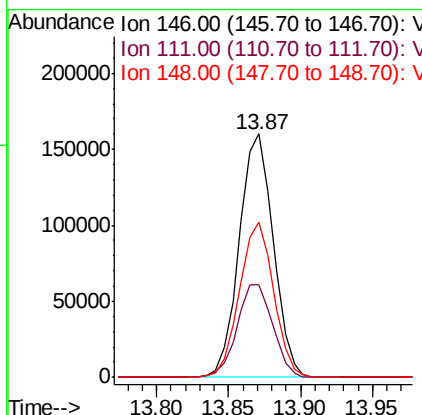
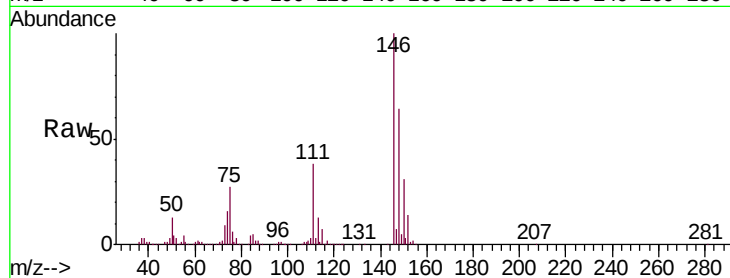




#65
 1,2-Dichlorobenzene
 Concen: 24.195 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

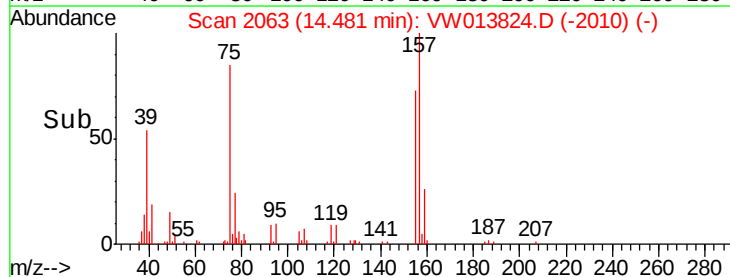
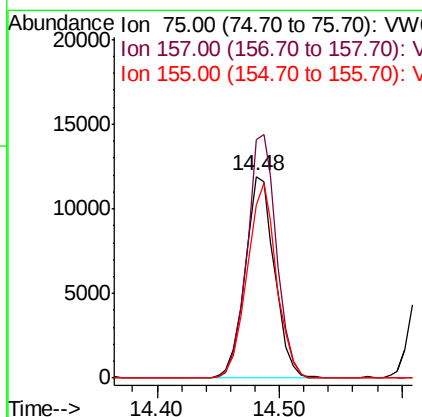
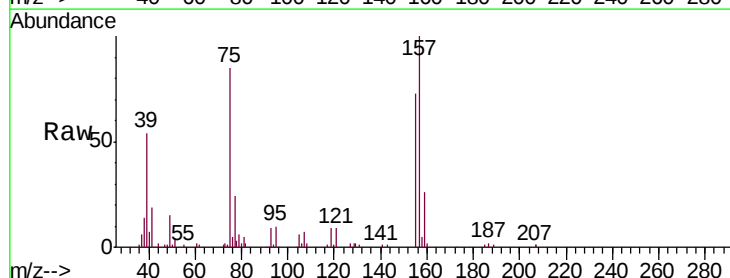
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

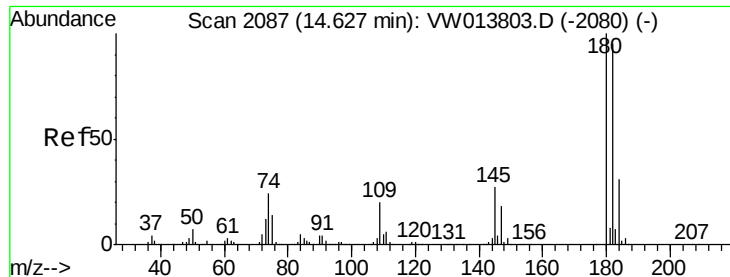
Tgt Ion:146 Resp: 263259
 Ion Ratio Lower Upper
 146 100
 111 37.8 30.7 46.1
 148 63.7 53.3 79.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.552 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Tgt Ion: 75 Resp: 19857
 Ion Ratio Lower Upper
 75 100
 157 118.2 99.4 149.0
 155 85.8 69.7 104.5

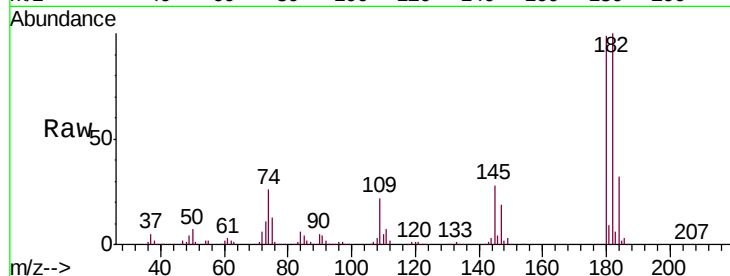




#67
 1,3,5-Trichlorobenzene
 Concen: 21.188 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:	180	Resp:	189156
Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.2	114.4
184	30.8	24.1	36.1
145	27.7	21.8	32.8



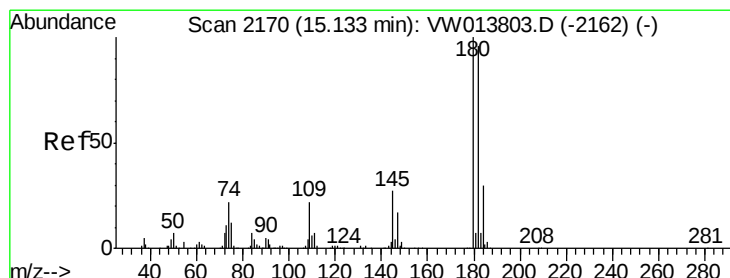
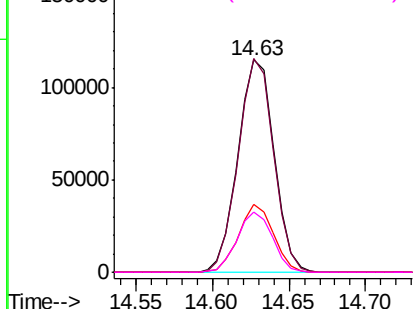
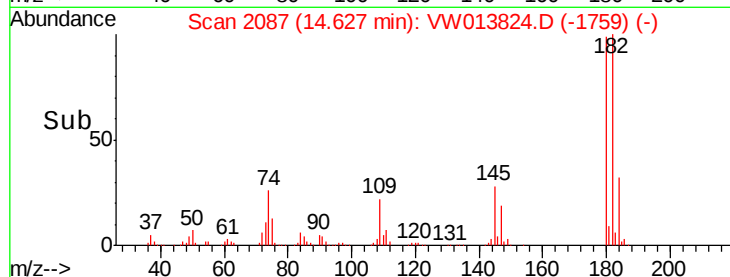
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

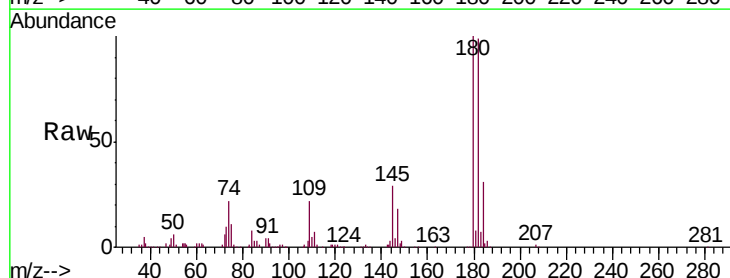
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 20.896 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013824.D
 Acq: 30 Oct 2019 05:35

Tgt Ion:	180	Resp:	158375
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	28.1	22.6	34.0

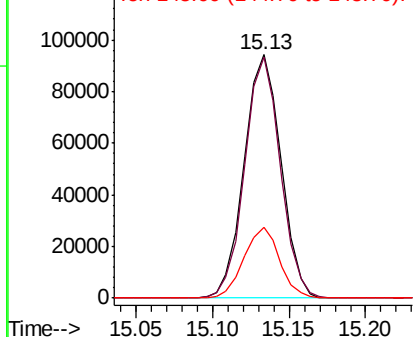
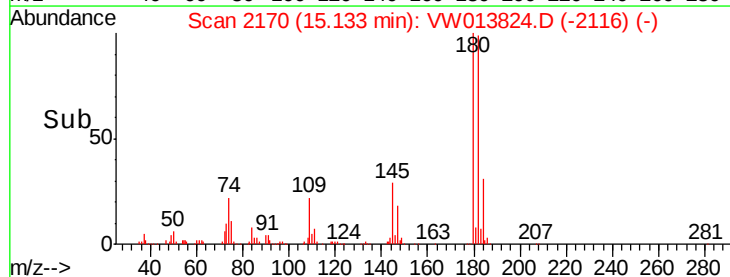


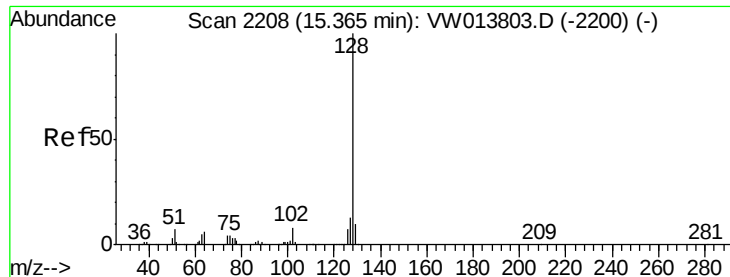
Abundance

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





#69

Naphthalene

Concen: 23.841 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

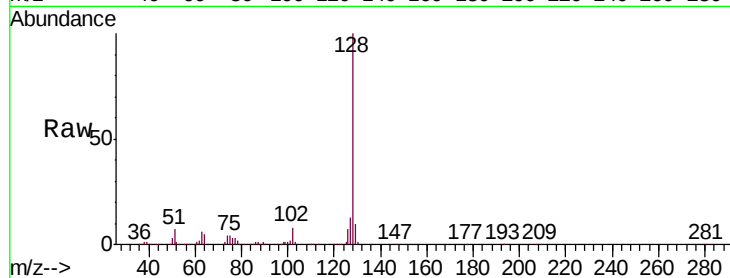
Tgt Ion:128 Resp: 327418

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.2 10.5 15.7



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

250000

200000

150000

100000

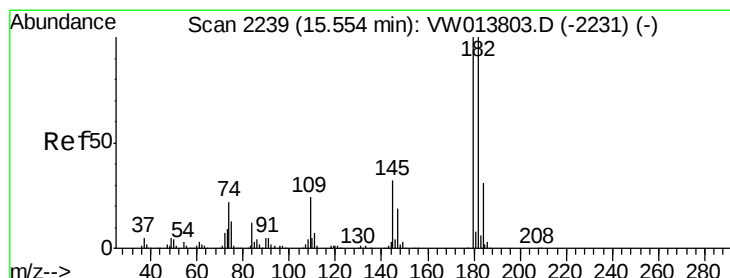
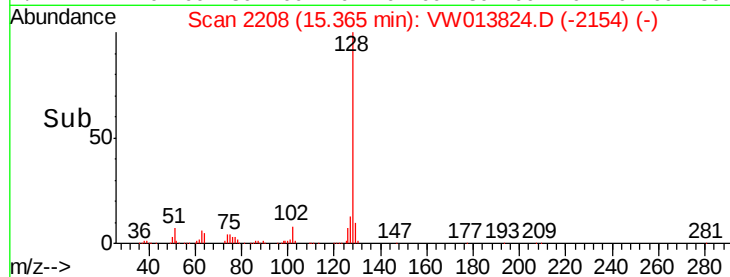
50000

0

15.36

15.30 15.35 15.40 15.45

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 22.292 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013824.D

Acq: 30 Oct 2019 05:35

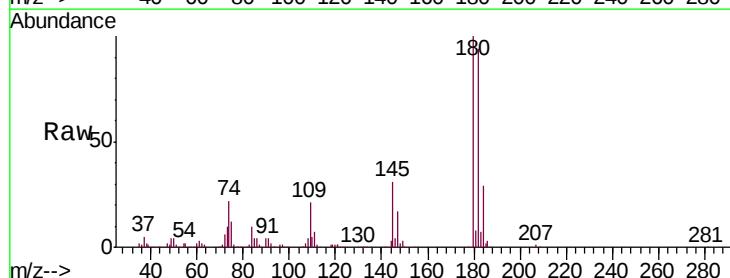
Tgt Ion:180 Resp: 151304

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.4

145 30.0 24.1 36.1



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

100000

80000

60000

40000

20000

0

15.55

15.50 15.55 15.60

Time-->

