

Data File : VW011250.D
Acq On : 12 Jul 2019 19:49
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.05G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Quant Time: Jul 13 05:37:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 05:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	343551	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318196	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155356	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	108749	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
7) Chloroethane-d5	2.88	69	79567	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
10) 1,1-Dichloroethene-d2	4.02	63	246537	22.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.76%
20) 2-Butanone-d5	7.07	46	104999	50.81	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.62%
24) Chloroform-d	7.64	84	226144	24.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	8.30	65	139354	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
29) Benzene-d6	8.27	84	449346	22.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.68%
33) 1,2-Dichloropropane-d6	9.27	67	150441	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.28%
37) Toluene-d8	10.32	98	394437	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.32%
38) trans-1,3-Dichloropropene-	10.58	79	63252	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.20%
39) 2-Hexanone-d5	10.93	63	73232	50.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132802	25.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	137770	23.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	100513	23.788	ug/L	96
3) Chloromethane	2.20	50	101542	22.135	ug/L	100
5) Vinyl chloride	2.35	62	134121	22.400	ug/L	99
6) Bromomethane	2.77	94	63826	22.785	ug/L	99
8) Chloroethane	2.92	64	72070	23.815	ug/L	98
9) Trichlorofluoromethane	3.24	101	44165	21.544	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	113134	24.768	ug/L	98
12) 1,1-Dichloroethene	4.04	96	109501	24.254	ug/L	85
13) Acetone	4.13	43	72862	36.099	ug/L	100
14) Carbon disulfide	4.38	76	294347	22.791	ug/L	100
15) Methyl Acetate	4.67	43	85204	25.943	ug/L	100
16) Methylene chloride	4.92	84	120908	23.949	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	193601	27.651	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	110919	24.313	ug/L	98
19) 1,1-Dichloroethane	6.21	63	232764	25.132	ug/L	100
21) 2-Butanone	7.17	43	125158	48.034	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	127198	25.757	ug/L	98

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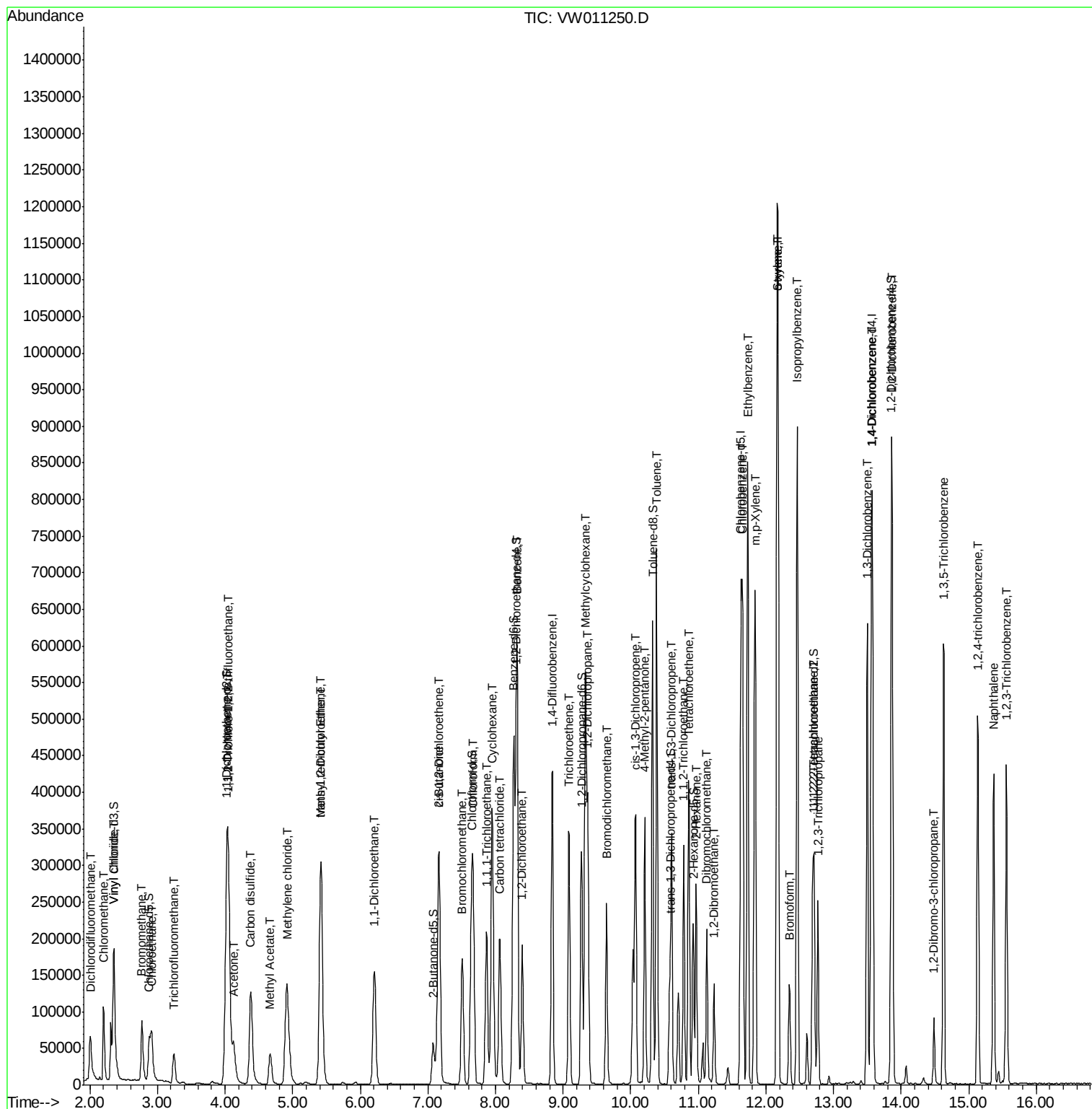
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54394	26.251	ug/L	97
25) Chloroform	7.67	83	221418	25.239	ug/L	99
27) 1,2-Dichloroethane	8.40	62	170782	25.467	ug/L	100
30) Cyclohexane	7.95	56	229498	23.722	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	159476	24.148	ug/L	99
32) Carbon tetrachloride	8.07	117	149616	24.157	ug/L	100
34) Benzene	8.32	78	489190	24.599	ug/L	100
35) Trichloroethene	9.09	95	120555	24.022	ug/L	99
36) Methylcyclohexane	9.33	83	211047	23.369	ug/L	99
40) 1,2-Dichloropropane	9.37	63	137578	25.247	ug/L	100
41) Bromodichloromethane	9.64	83	161190	25.656	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	204727	25.462	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	256754	50.826	ug/L	99
44) Toluene	10.38	91	511711	24.860	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	171885	25.836	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	97460	25.826	ug/L	97
47) Tetrachloroethene	10.86	164	90035	23.739	ug/L	99
49) 2-Hexanone	10.97	43	182218	49.556	ug/L	98
50) Dibromochloromethane	11.13	129	105402	26.229	ug/L	99
51) 1,2-Dibromoethane	11.23	107	92539	25.396	ug/L	97
52) Chlorobenzene	11.66	112	310412	24.684	ug/L	99
53) Ethylbenzene	11.73	91	576726	24.701	ug/L	100
54) m,p-Xylene	11.84	106	208519	24.598	ug/L	90
55) o-xylene	12.16	106	202675	25.133	ug/L	98
56) Styrene	12.18	104	357452	25.839	ug/L	99
57) Isopropylbenzene	12.46	105	551680	25.062	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	132450	26.383	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	99750	25.873	ug/L	99
62) Bromoform	12.35	173	60874	26.291	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	238320	24.934	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	241995	24.732	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	226099	25.413	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21808	24.966	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	179513	24.788	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	153916	25.370	ug/L	99
69) Naphthalene	15.37	128	344280	27.096	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	143692	25.886	ug/L	100

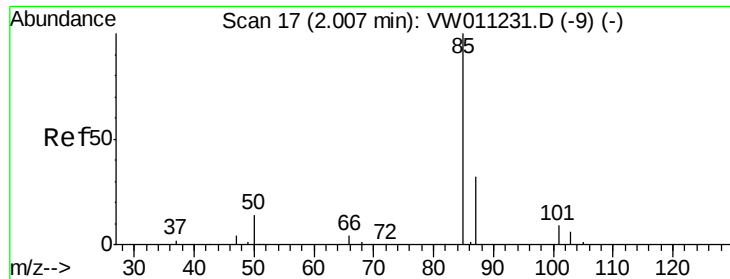
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.788 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

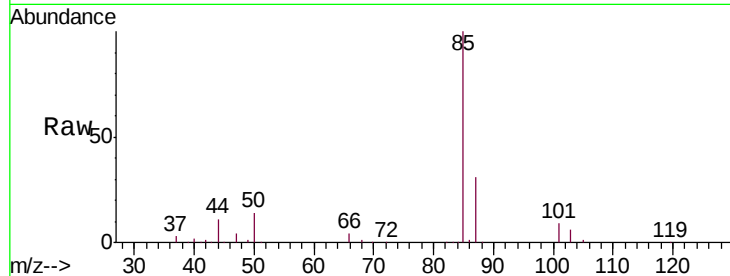
VSTD02520

Tgt Ion: 85 Resp: 100513

Ion Ratio Lower Upper

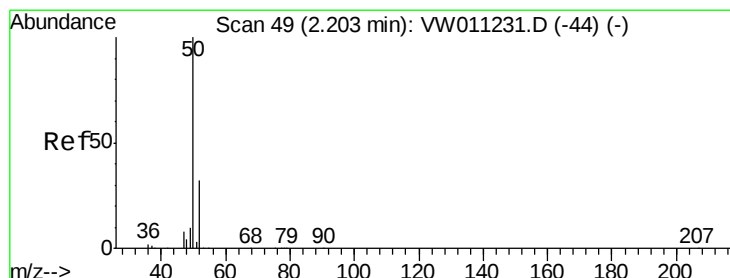
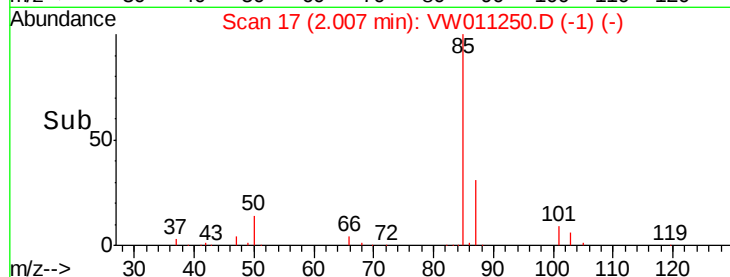
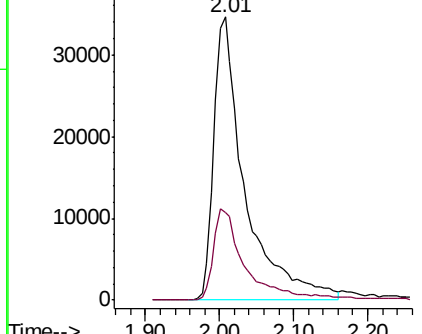
85 100

87 31.5 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.135 ug/L

RT: 2.20 min Scan# 49

Delta R.T. -0.00 min

Lab File: VW011250.D

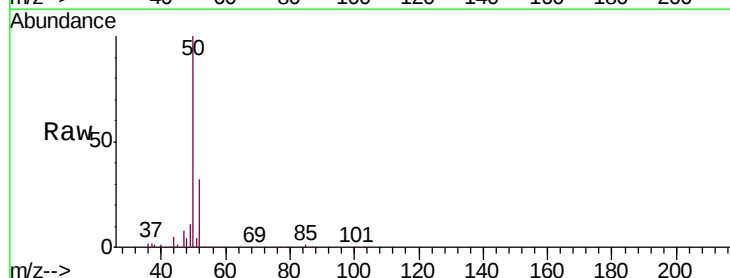
Acq: 12 Jul 2019 19:49

Tgt Ion: 50 Resp: 101542

Ion Ratio Lower Upper

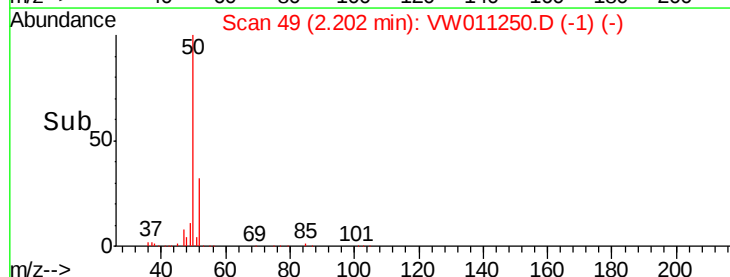
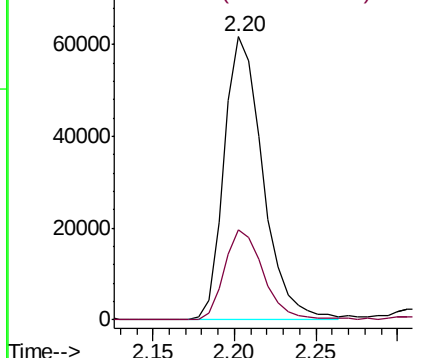
50 100

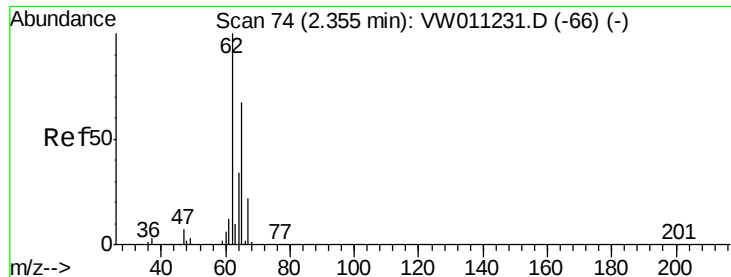
52 31.9 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.400 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

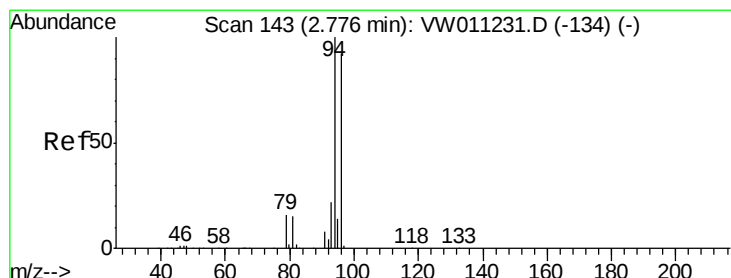
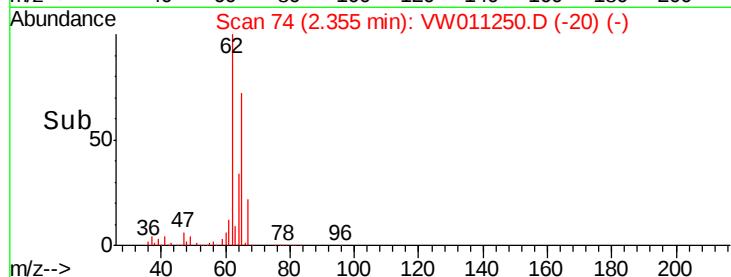
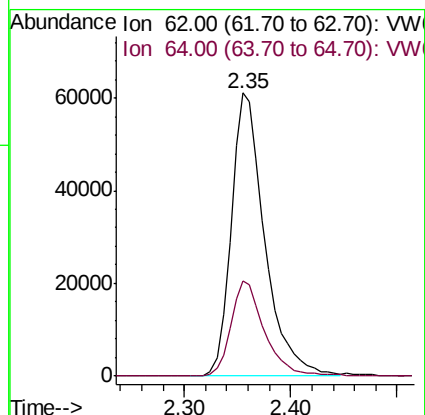
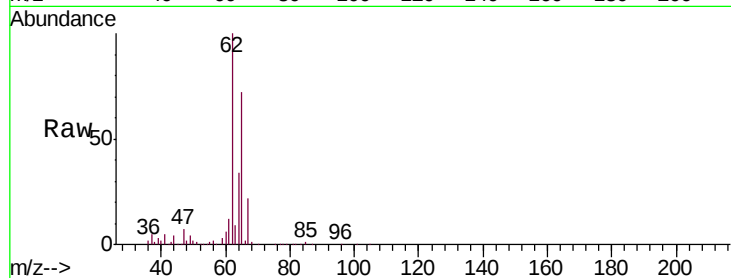
VSTD02520

Tgt Ion: 62 Resp: 134121

Ion Ratio Lower Upper

62 100

64 33.8 23.9 44.3



#6

Bromomethane

Concen: 22.785 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011250.D

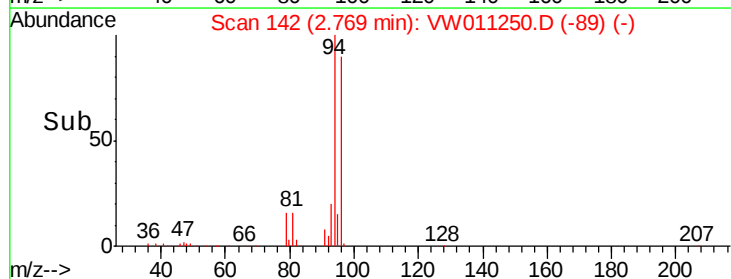
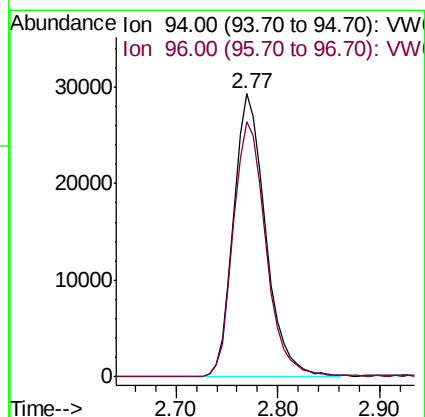
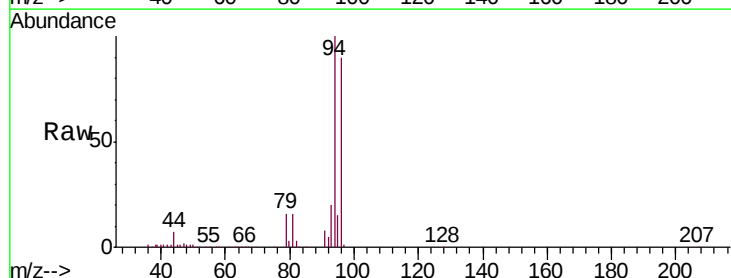
Acq: 12 Jul 2019 19:49

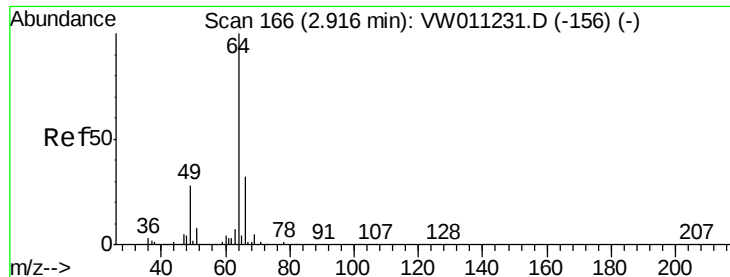
Tgt Ion: 94 Resp: 63826

Ion Ratio Lower Upper

94 100

96 92.0 9.3 177.3





#8

Chloroethane

Concen: 23.815 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

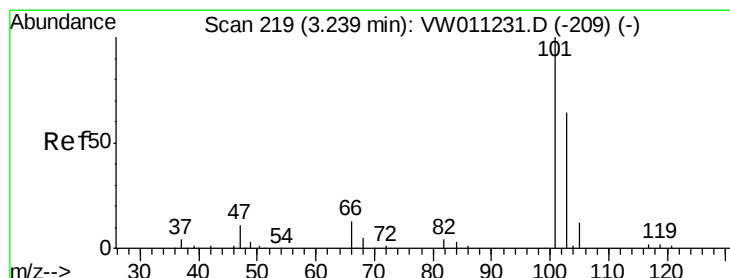
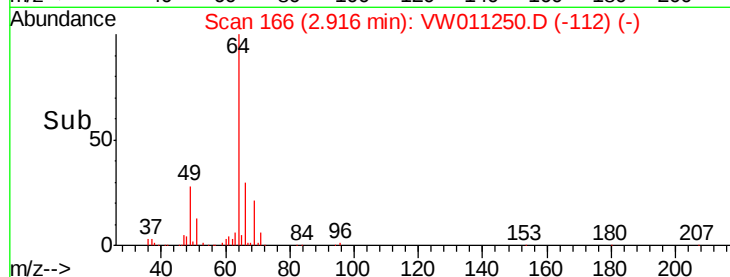
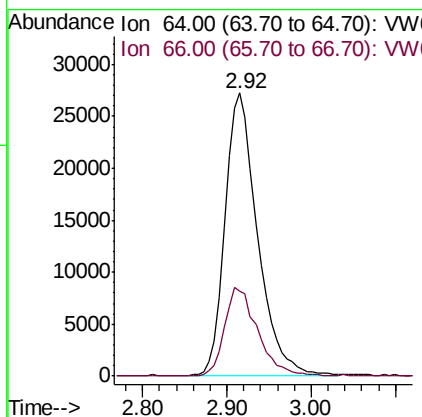
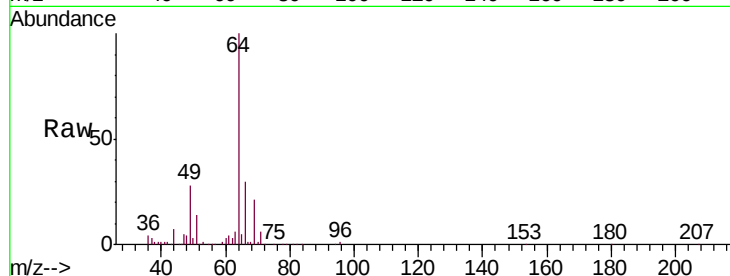
VSTD02520

Tgt Ion: 64 Resp: 72070

Ion Ratio Lower Upper

64 100

66 30.1 21.9 40.7



#9

Trichlorofluoromethane

Concen: 21.544 ug/L

RT: 3.24 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW011250.D

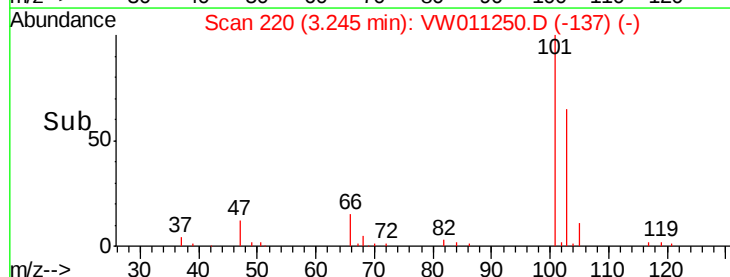
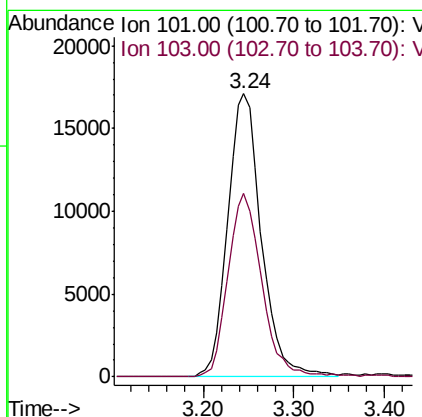
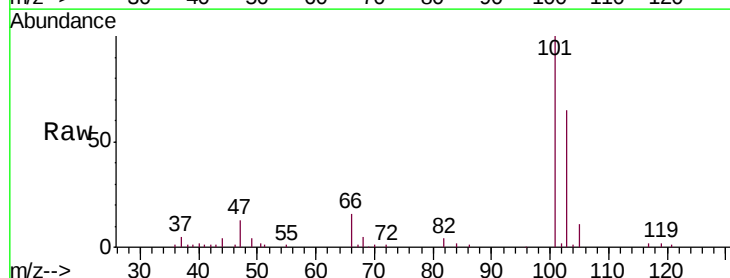
Acq: 12 Jul 2019 19:49

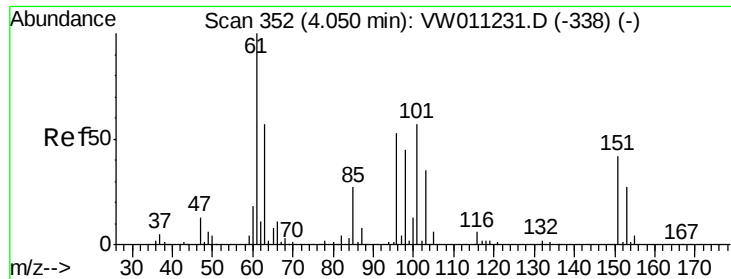
Tgt Ion: 101 Resp: 44165

Ion Ratio Lower Upper

101 100

103 64.6 44.6 82.8





#11

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

Concen: 24.768 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW011250.D

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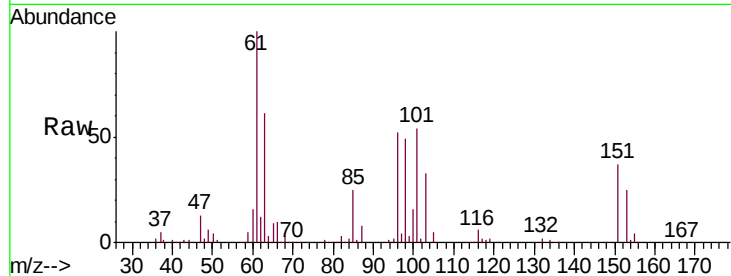
Tgt Ion:101 Resp: 113134

Ion Ratio Lower Upper

101 100

85 44.9 33.8 50.8

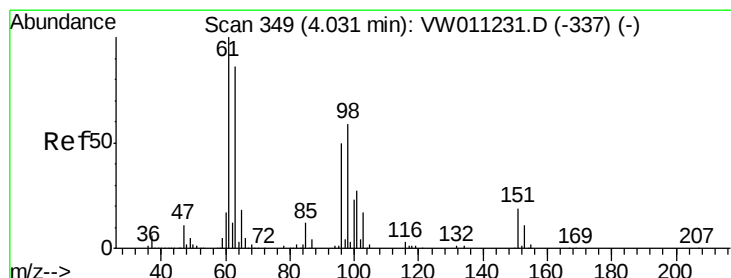
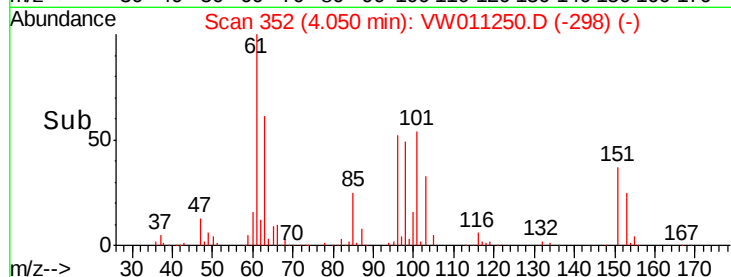
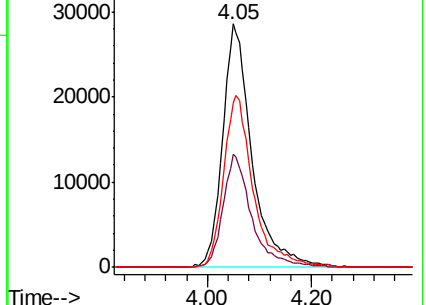
151 70.6 56.9 85.3



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: 24.254 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

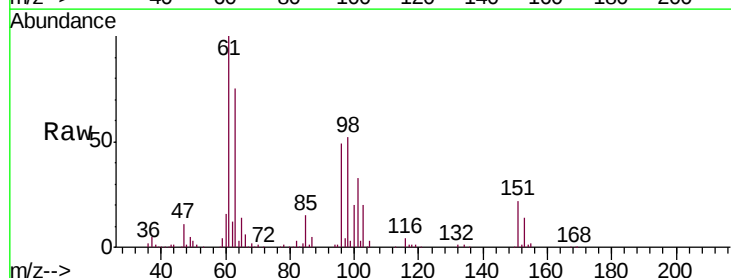
Tgt Ion: 96 Resp: 109501

Ion Ratio Lower Upper

96 100

61 205.1 142.2 264.0

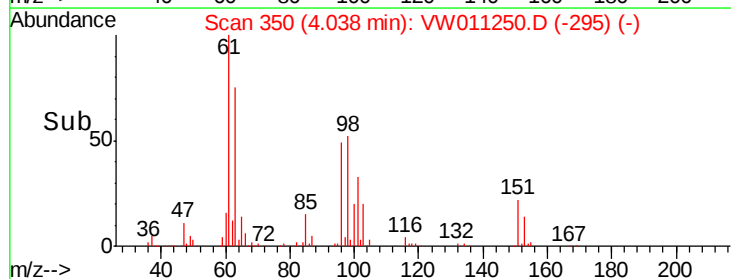
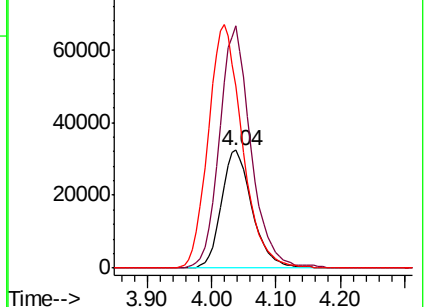
63 154.2 138.9 257.9

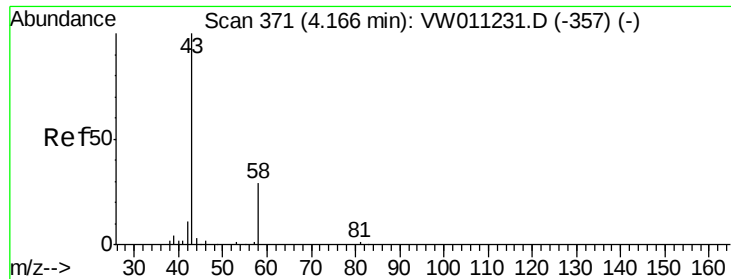


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.099 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.04 min

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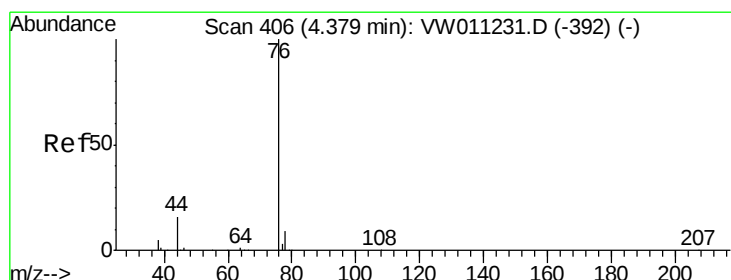
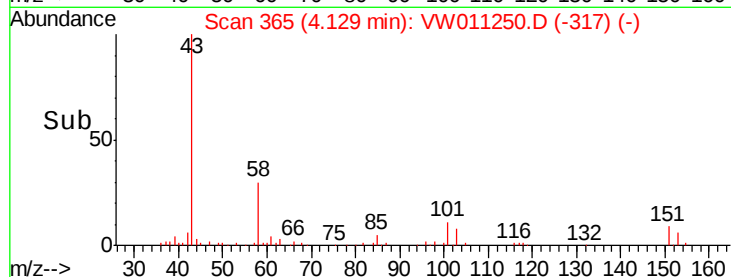
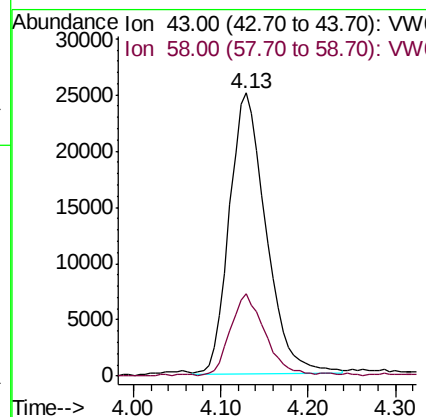
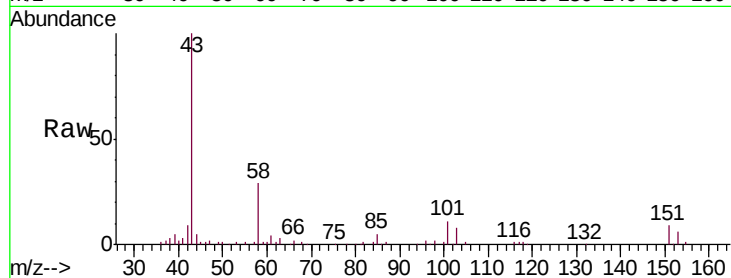
VSTD02520

Tgt Ion: 43 Resp: 72862

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.0



#14

Carbon disulfide

Concen: 22.791 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

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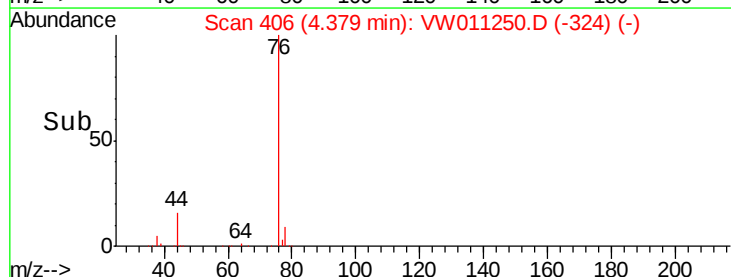
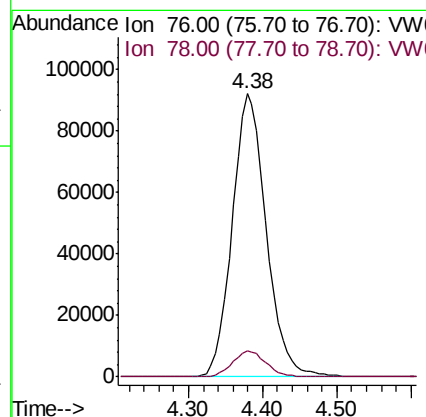
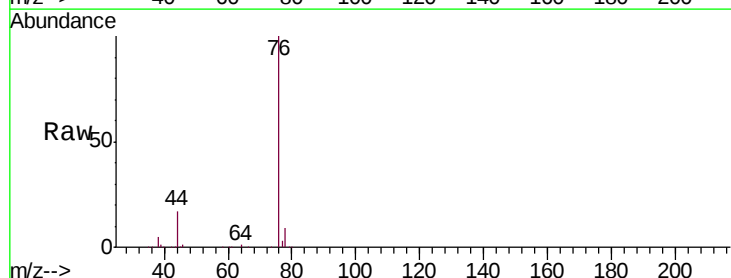
Acq: 12 Jul 2019 19:49

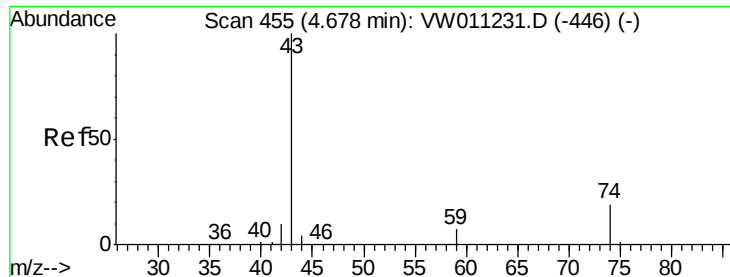
Tgt Ion: 76 Resp: 294347

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

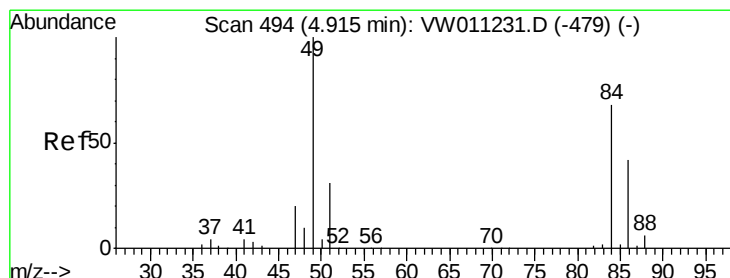
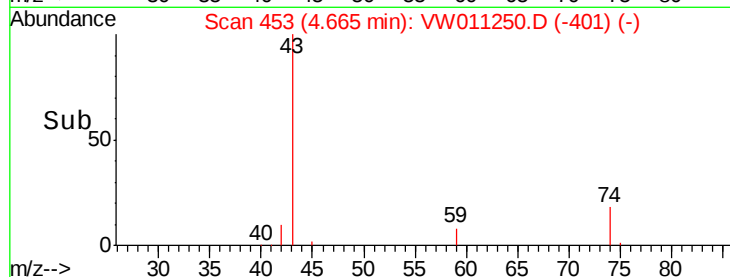
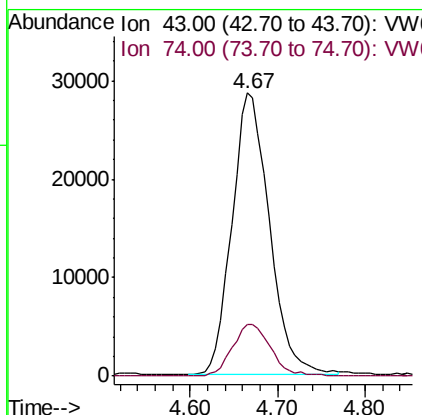
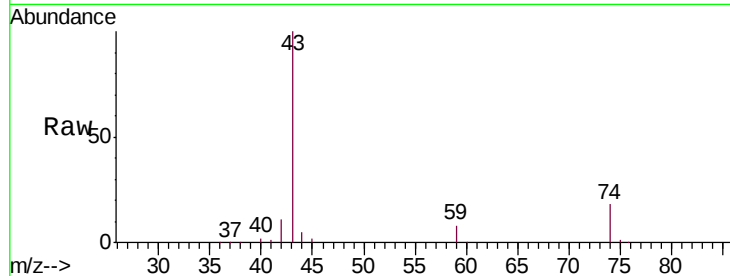




#15
Methyl Acetate
Concen: 25.943 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

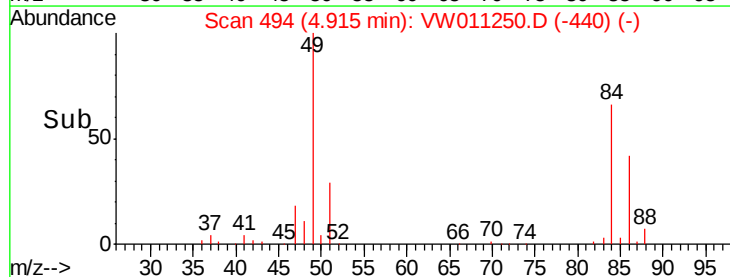
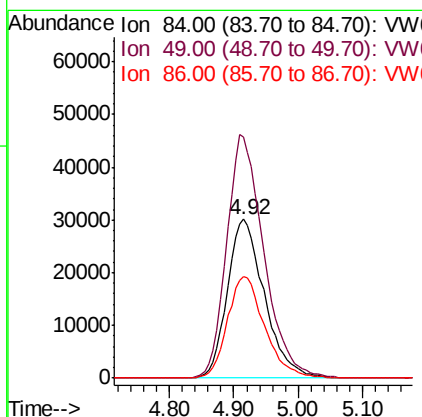
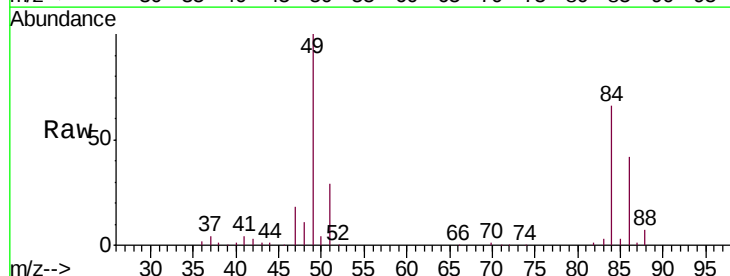
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

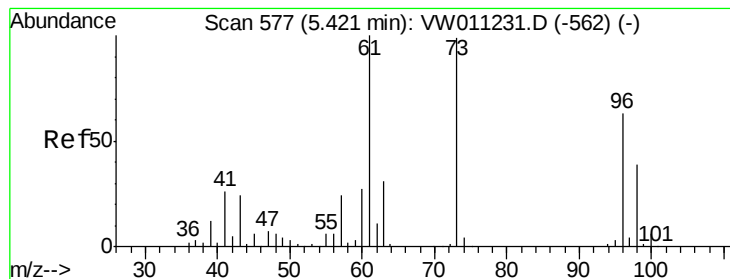
Tgt Ion: 43 Resp: 85204
Ion Ratio Lower Upper
43 100
74 18.9 15.1 22.7



#16
Methylene chloride
Concen: 23.949 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

Tgt Ion: 84 Resp: 120908
Ion Ratio Lower Upper
84 100
49 151.5 102.5 190.3
86 64.3 46.4 86.2





#17

Methyl tert-butyl Ether

Concen: 27.651 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

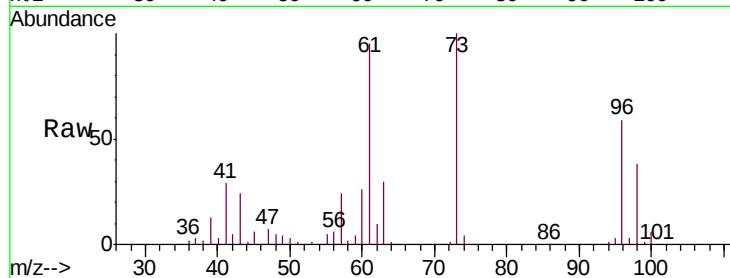
Tgt Ion: 73 Resp: 193601

Ion Ratio Lower Upper

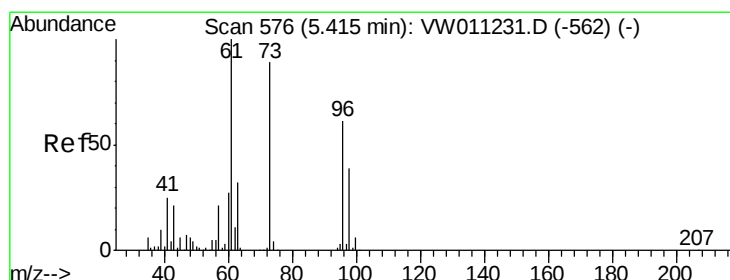
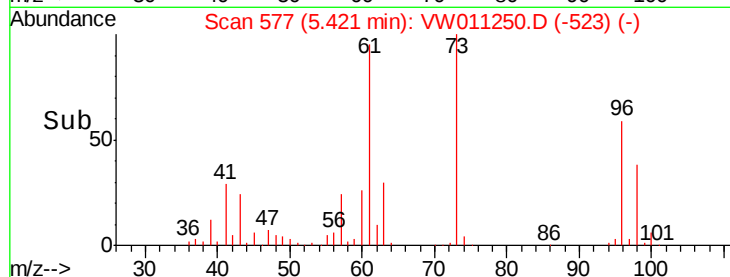
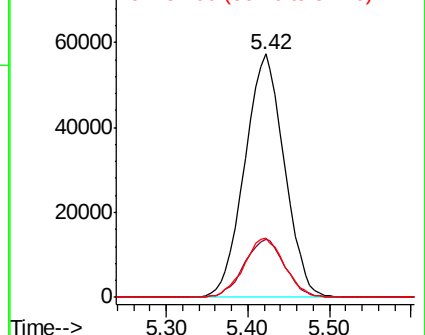
73 100

43 24.6 20.2 30.2

57 24.7 19.6 29.4



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



#18

trans-1,2-Dichloroethene

Concen: 24.313 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

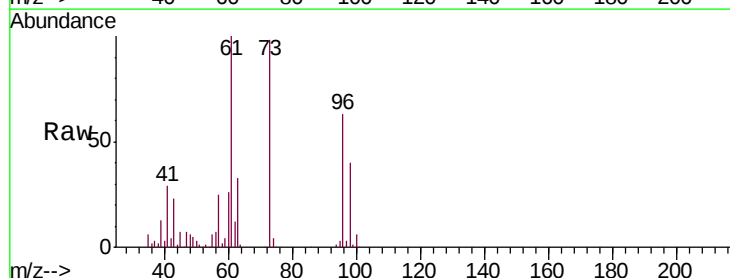
Tgt Ion: 96 Resp: 110919

Ion Ratio Lower Upper

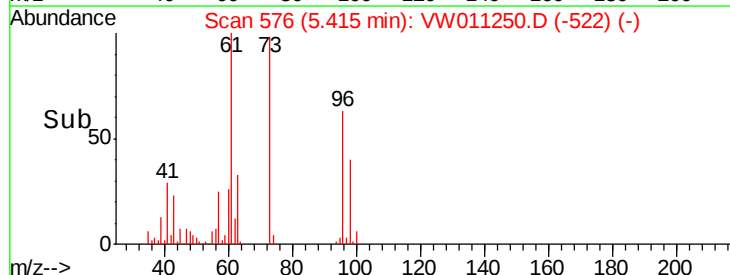
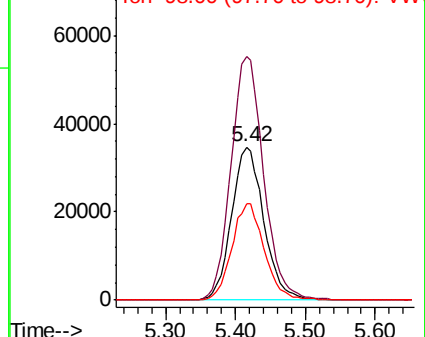
96 100

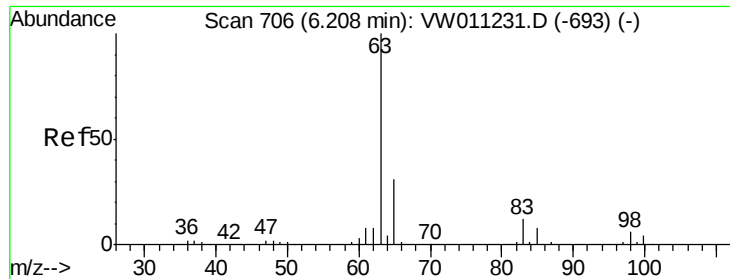
61 159.2 113.7 211.1

98 63.0 43.3 80.3



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

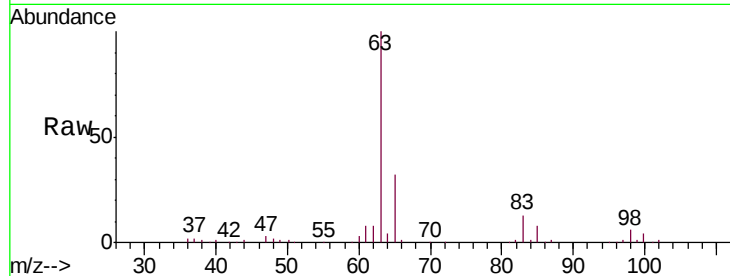




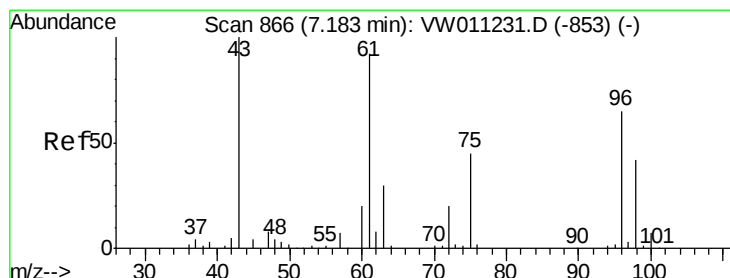
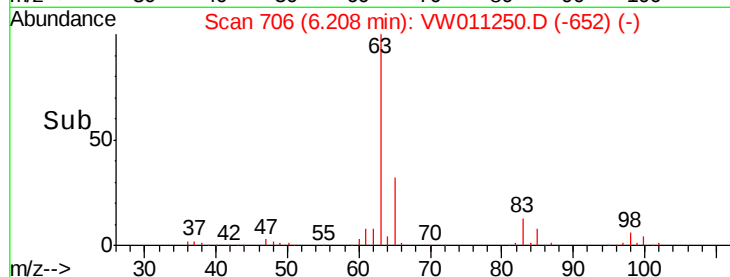
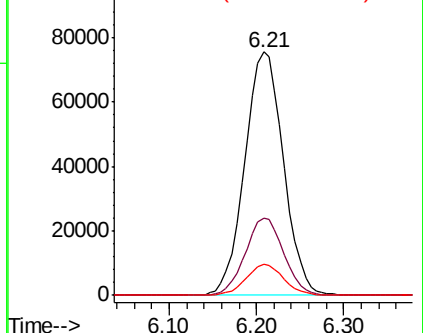
#19
 1,1-Dichloroethane
 Concen: 25.132 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tgt Ion: 63 Resp: 232764
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.1 41.1
 83 12.6 9.0 16.6

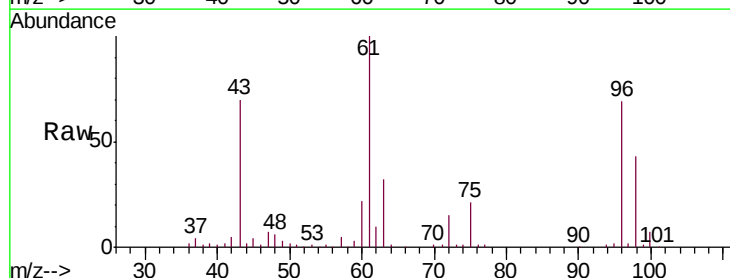


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

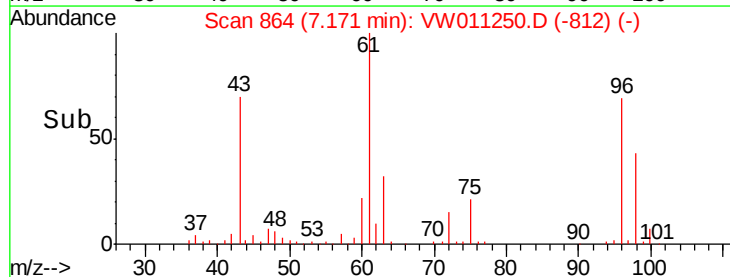
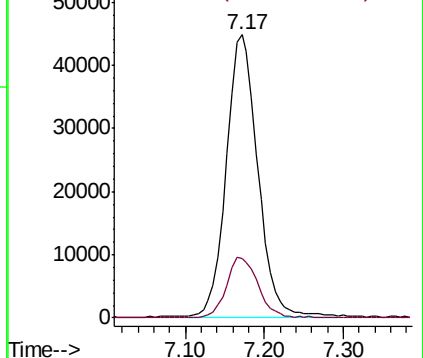


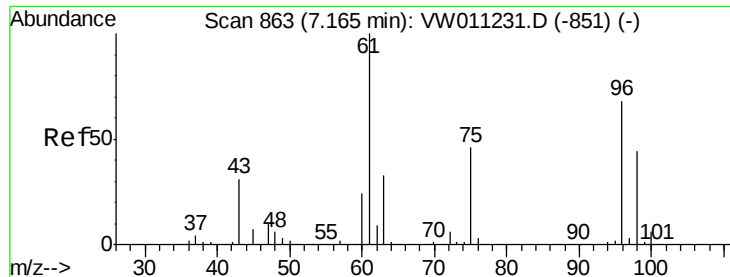
#21
 2-Butanone
 Concen: 48.034 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion: 43 Resp: 125158
 Ion Ratio Lower Upper
 43 100
 72 21.4 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



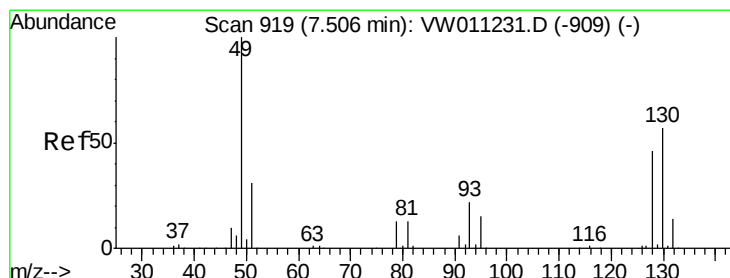
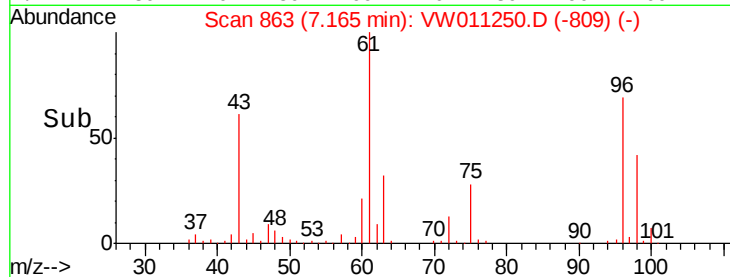
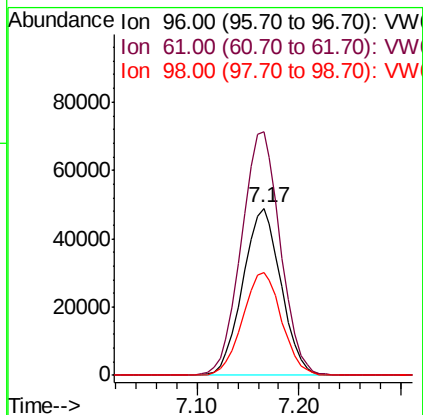
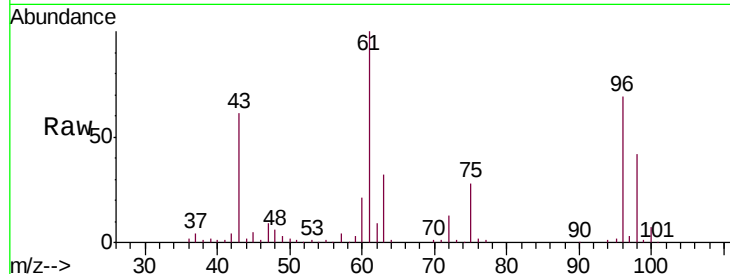


#22

cis-1,2-Dichloroethene
 Concen: 25.757 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

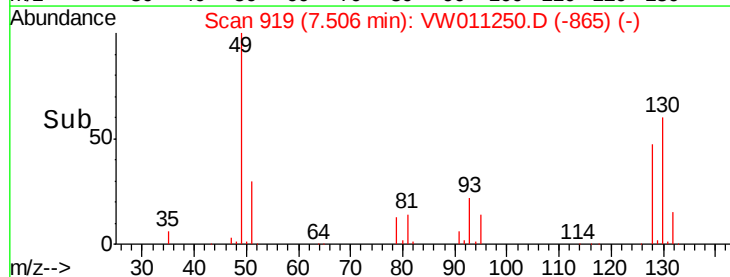
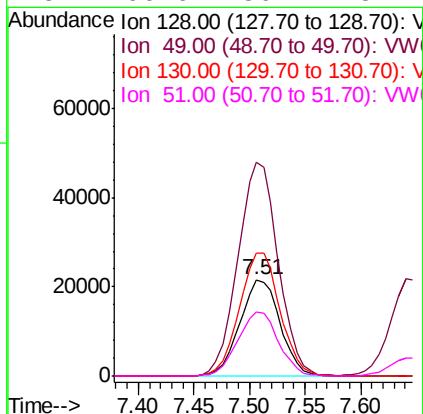
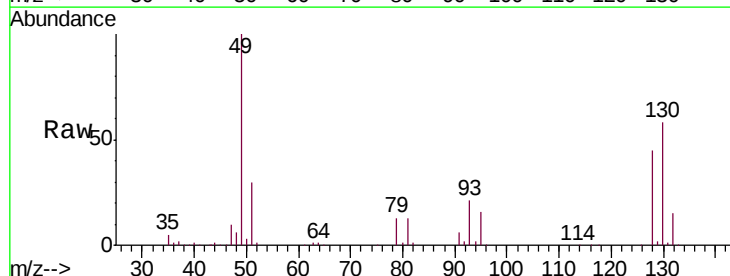
Tgt Ion: 96 Resp: 127198
 Ion Ratio Lower Upper
 96 100
 61 145.7 103.2 191.6
 98 61.8 44.8 83.2

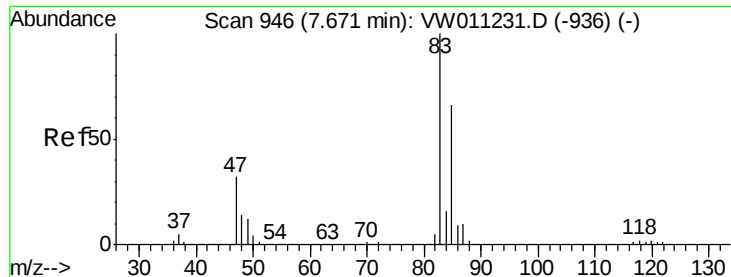


#23

Bromochloromethane
 Concen: 26.251 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion: 128 Resp: 54394
 Ion Ratio Lower Upper
 128 100
 49 222.3 153.8 285.6
 130 128.2 86.4 160.4
 51 66.6 56.2 84.4

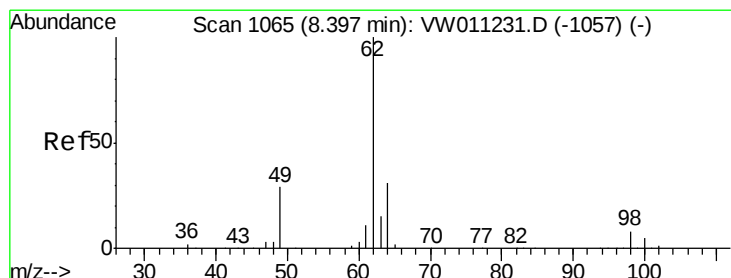
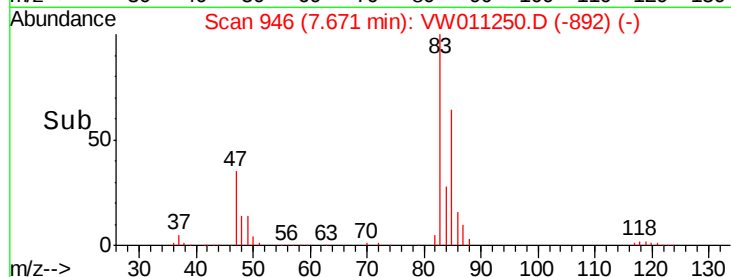
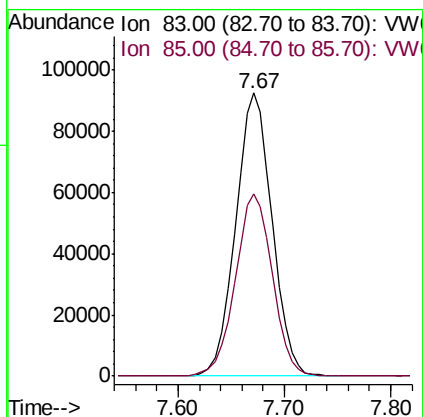
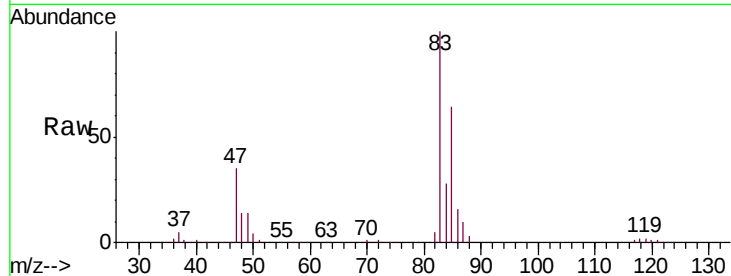




#25
Chloroform
Concen: 25.239 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

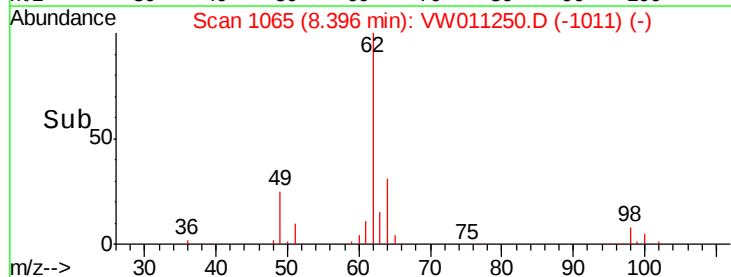
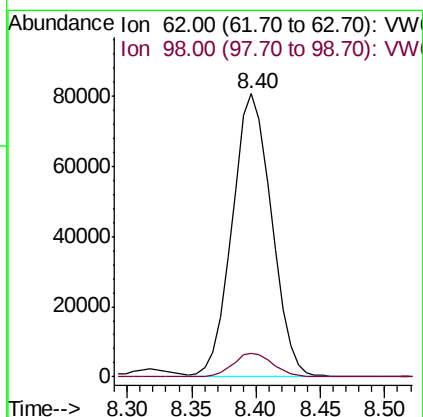
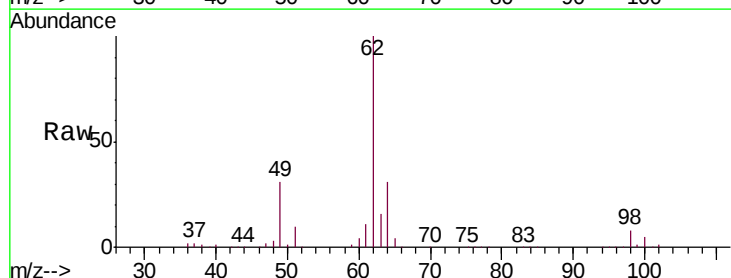
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

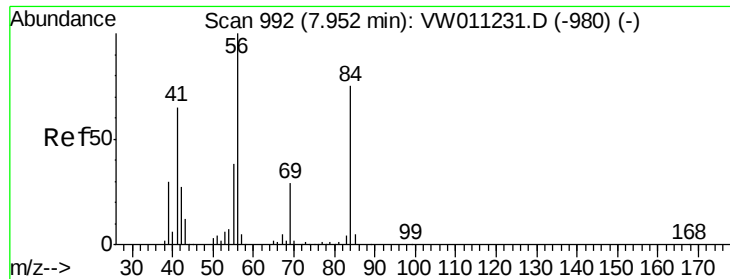
Tgt Ion: 83 Resp: 221418
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 25.467 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

Tgt Ion: 62 Resp: 170782
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

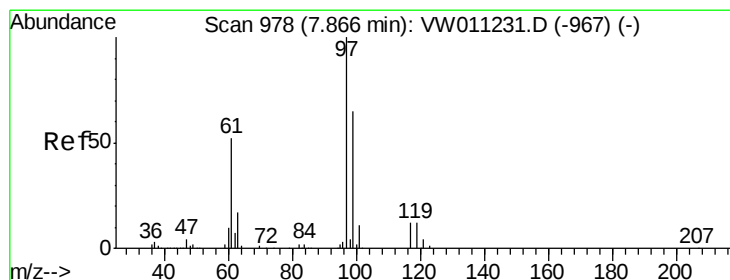
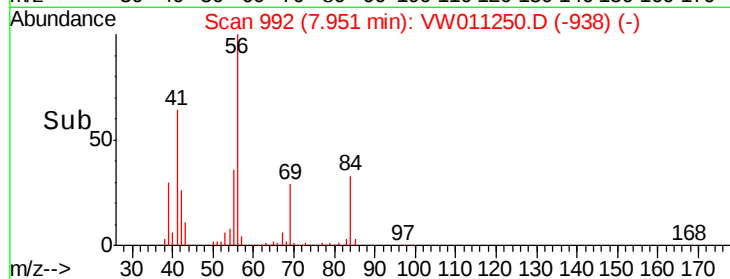
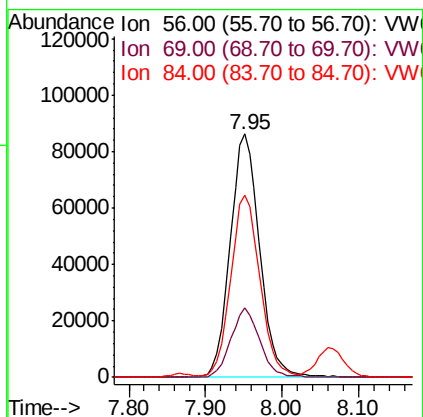
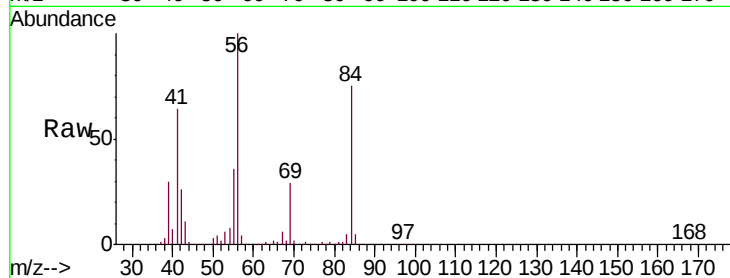




#30
Cyclohexane
Concen: 23.722 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

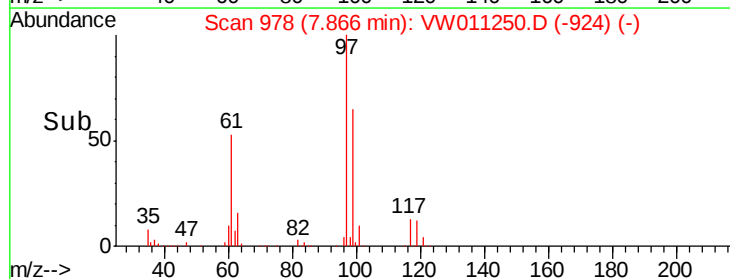
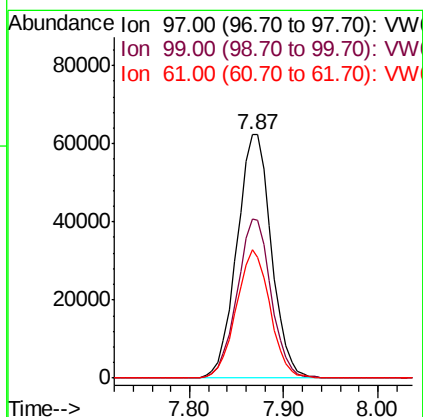
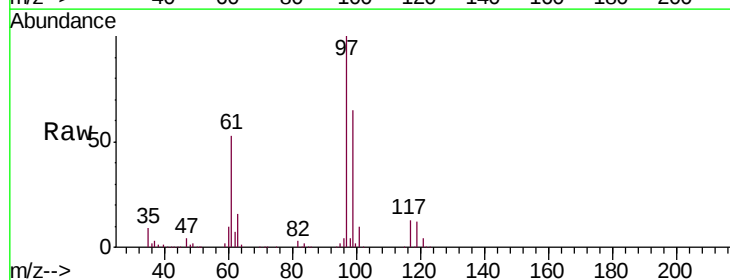
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

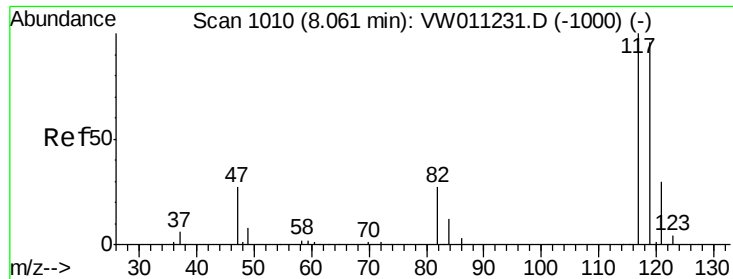
Tgt Ion: 56 Resp: 229498
Ion Ratio Lower Upper
56 100
69 27.7 22.5 33.7
84 74.4 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 24.148 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

Tgt Ion: 97 Resp: 159476
Ion Ratio Lower Upper
97 100
99 64.5 50.6 75.8
61 51.5 40.9 61.3





#32

Carbon tetrachloride

Concen: 24.157 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

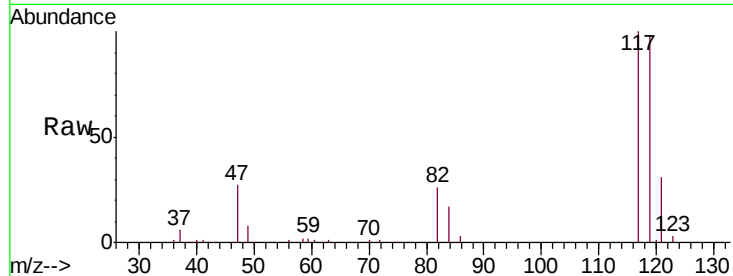
VSTD02520

Tgt Ion:117 Resp: 149616

Ion Ratio Lower Upper

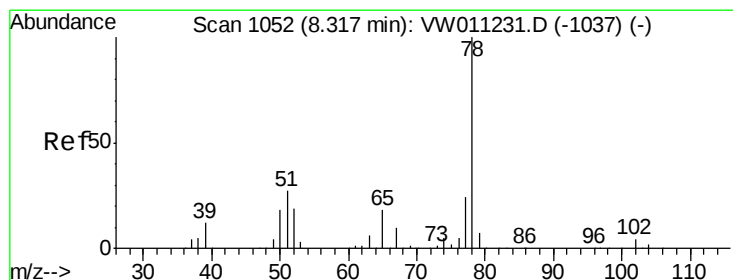
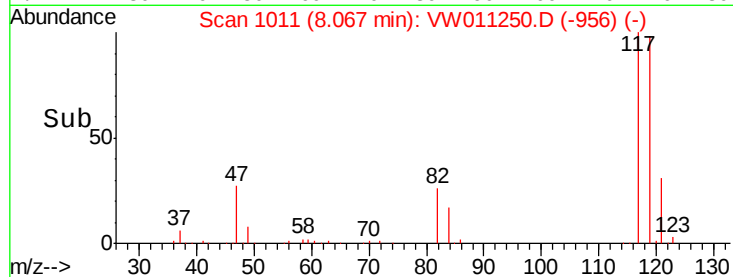
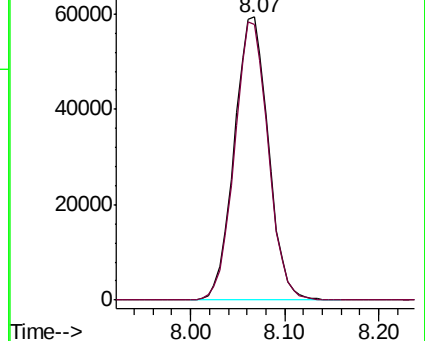
117 100

119 96.9 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.599 ug/L

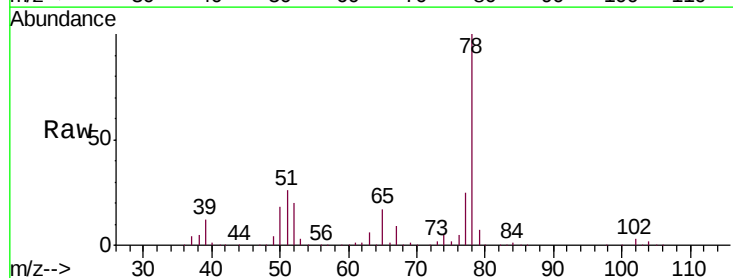
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

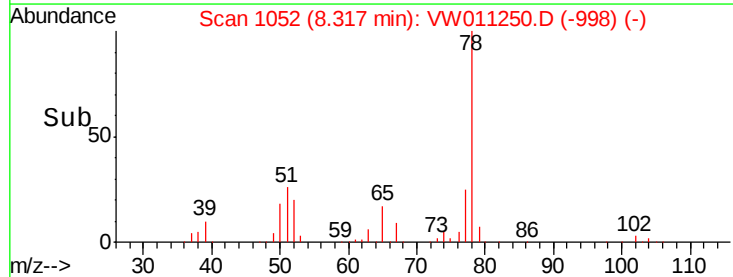
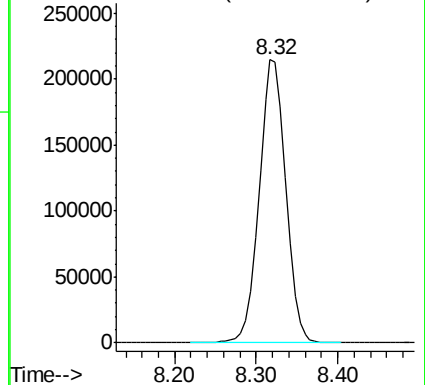
Lab File: VW011250.D

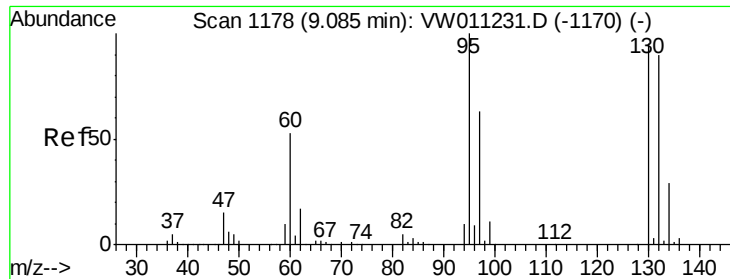
Acq: 12 Jul 2019 19:49

Tgt Ion: 78 Resp: 489190



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.022 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tgt Ion: 95 Resp: 120555

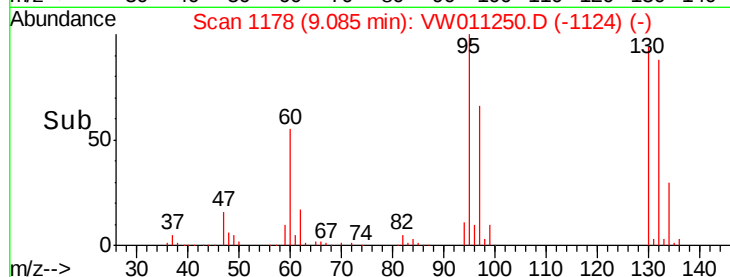
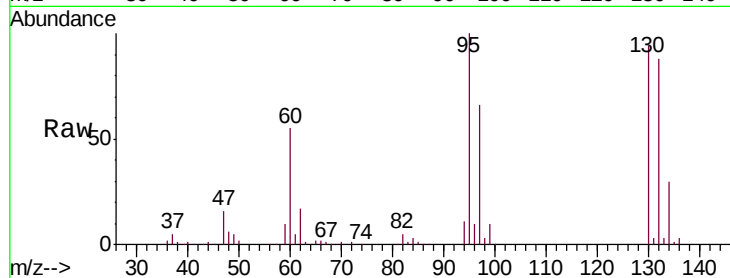
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 91.6 65.0 120.8

130 96.3 67.8 126.0

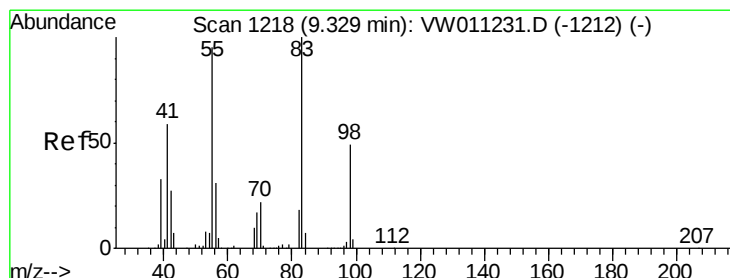
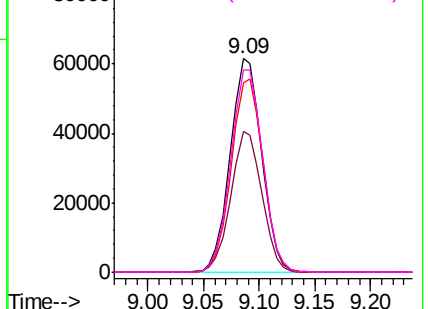


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 23.369 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

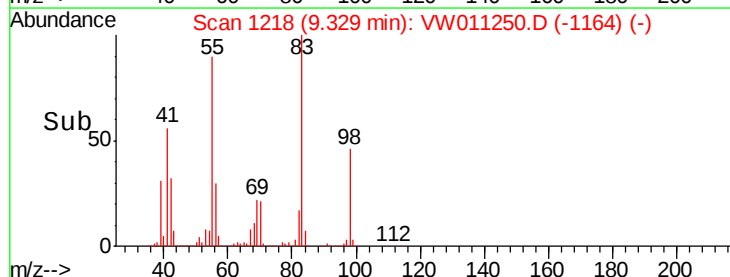
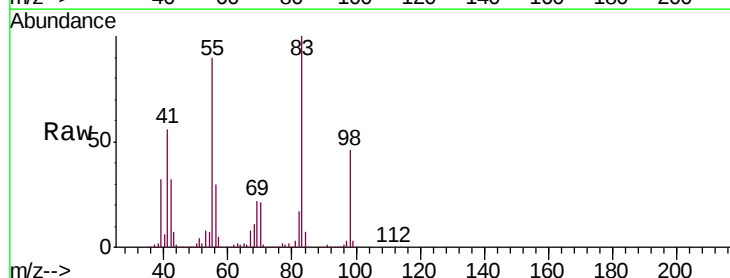
Tgt Ion: 83 Resp: 211047

Ion Ratio Lower Upper

83 100

55 90.9 72.2 108.4

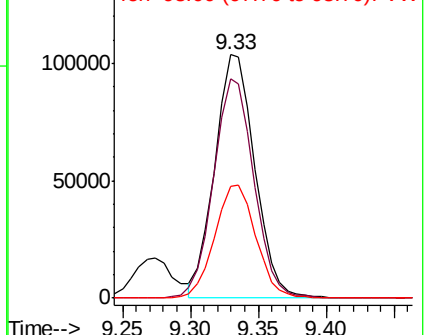
98 48.0 38.2 57.4

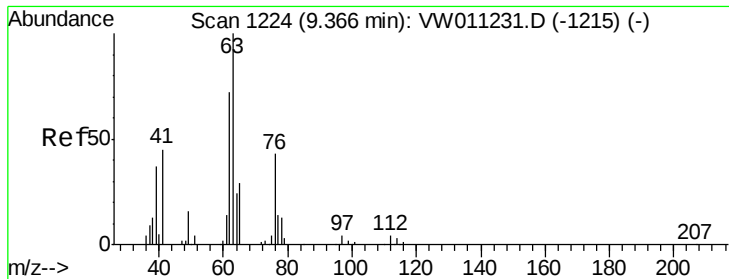


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

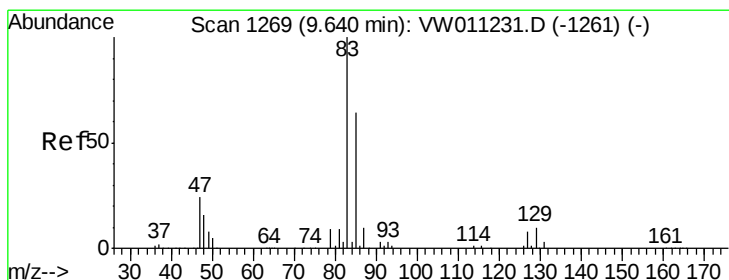
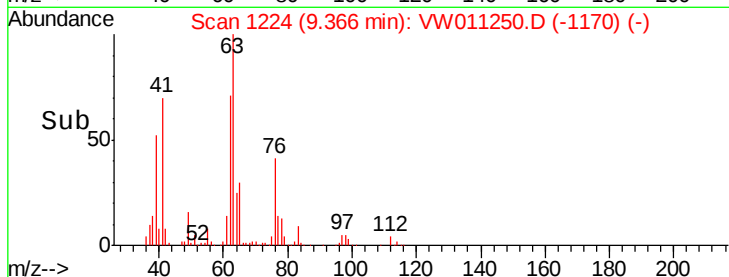
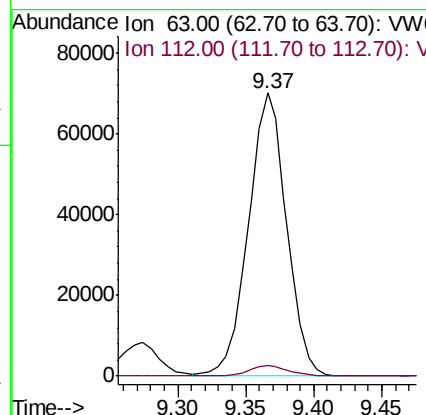
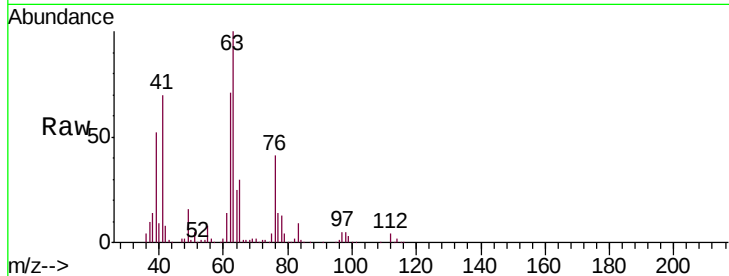




#40
 1,2-Dichloropropane
 Concen: 25.247 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

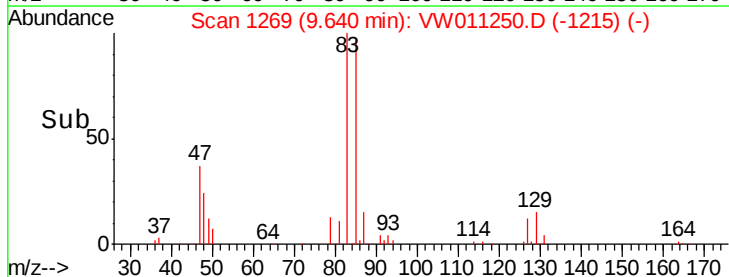
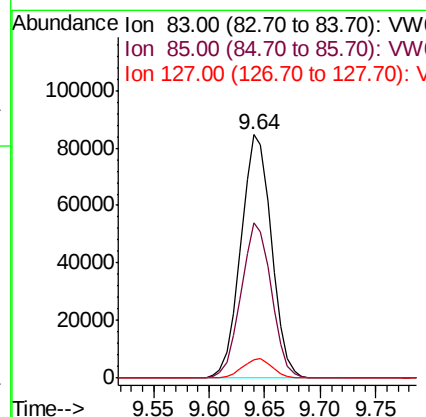
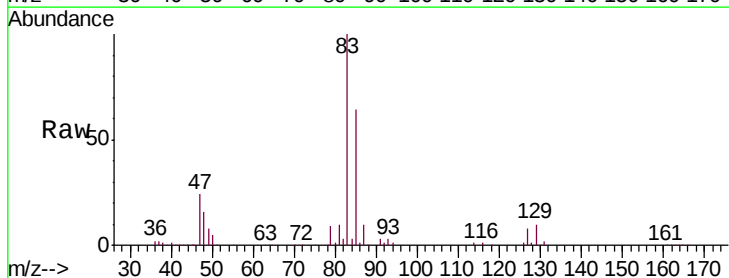
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

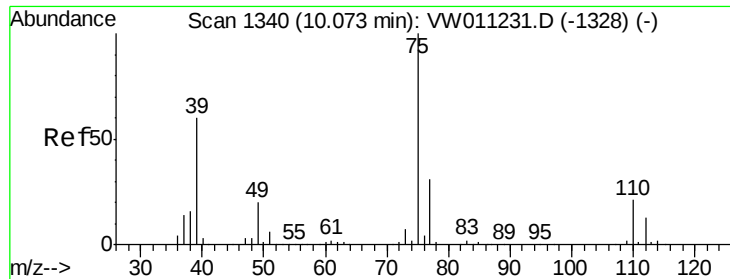
Tgt Ion: 63 Resp: 137578
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#41
 Bromodichloromethane
 Concen: 25.656 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion: 83 Resp: 161190
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.5 84.5
 127 7.7 5.8 8.8

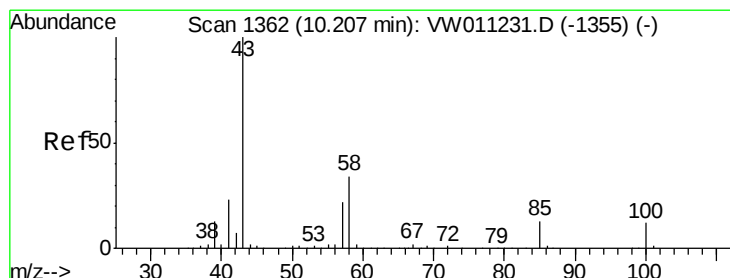
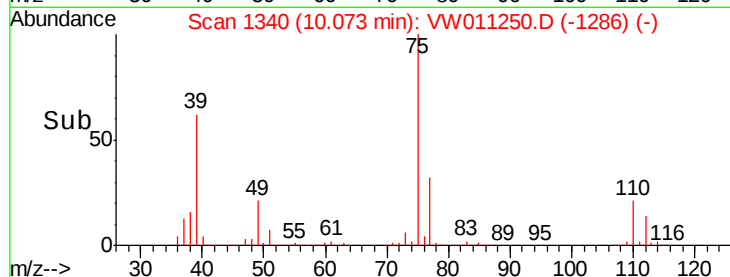
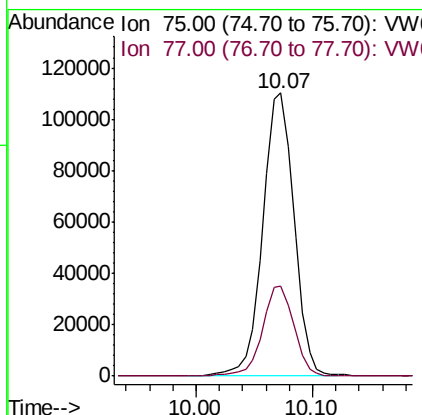
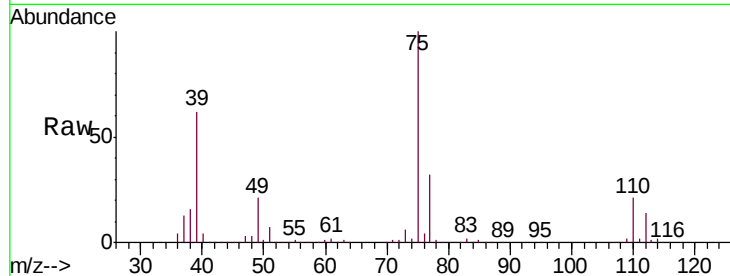




#42
 cis-1,3-Dichloropropene
 Concen: 25.462 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

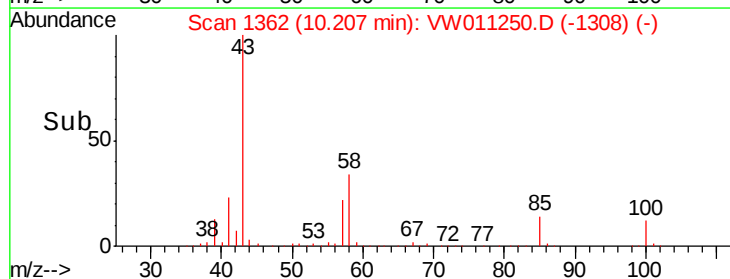
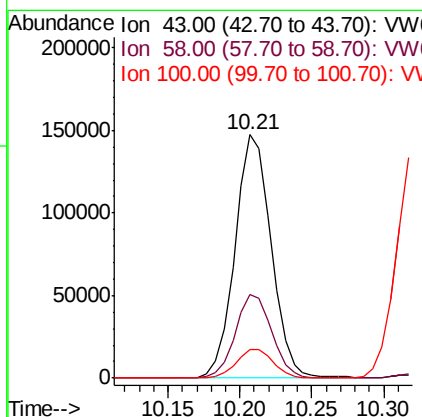
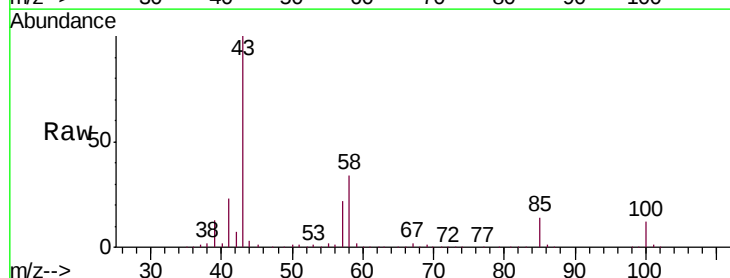
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

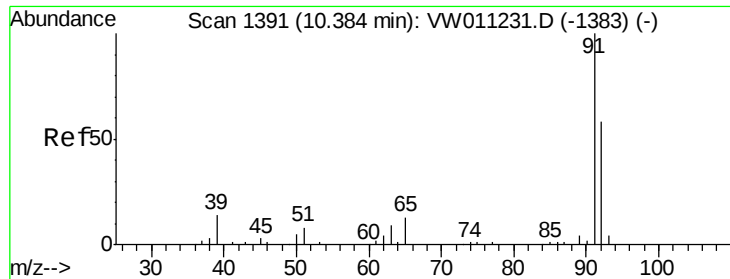
Tgt Ion: 75 Resp: 204727
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.1 39.1



#43
 4-Methyl-2-pentanone
 Concen: 50.826 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion: 43 Resp: 256754
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.1 42.1
 100 12.0 9.3 13.9





#44

Toluene

Concen: 24.860 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

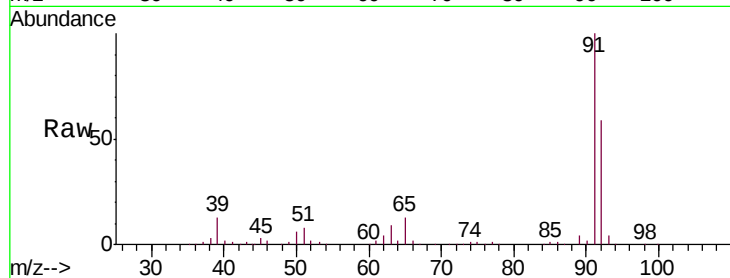
VSTD02520

Tgt Ion: 91 Resp: 511711

Ion Ratio Lower Upper

91 100

92 59.1 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

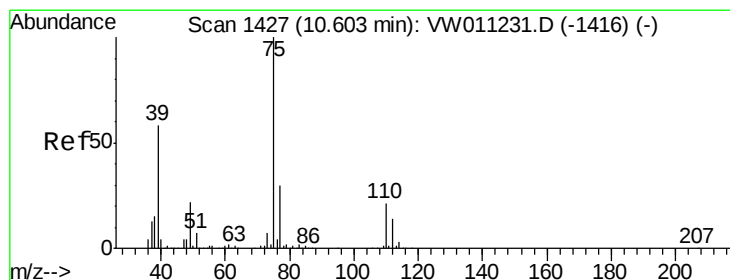
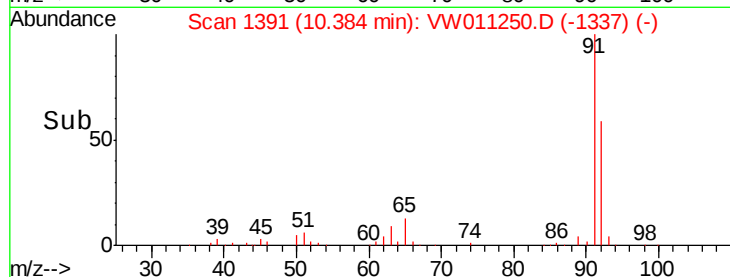
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.836 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011250.D

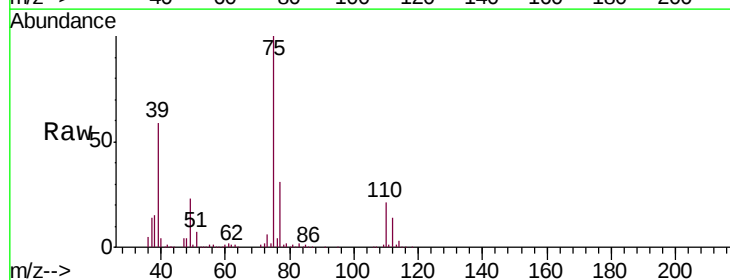
Acq: 12 Jul 2019 19:49

Tgt Ion: 75 Resp: 171885

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

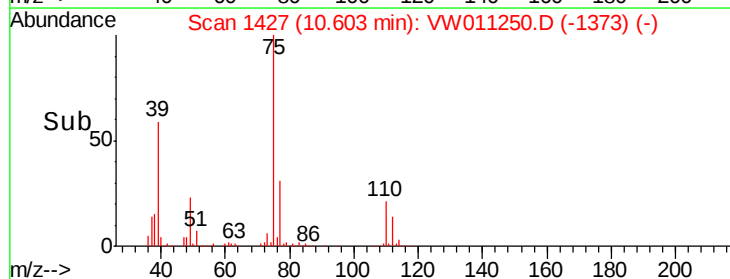
60000

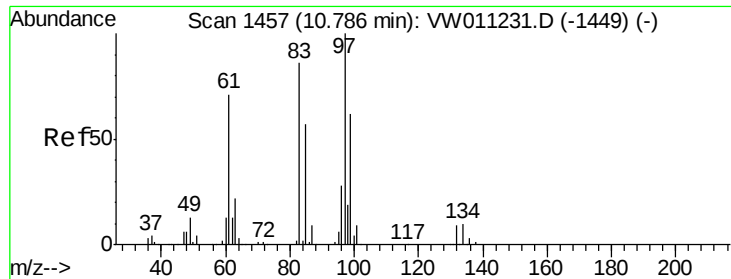
40000

20000

0

Time-->

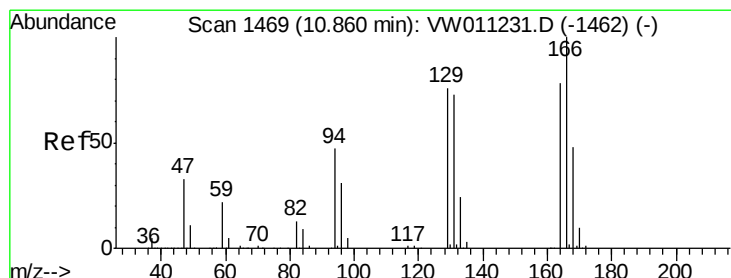
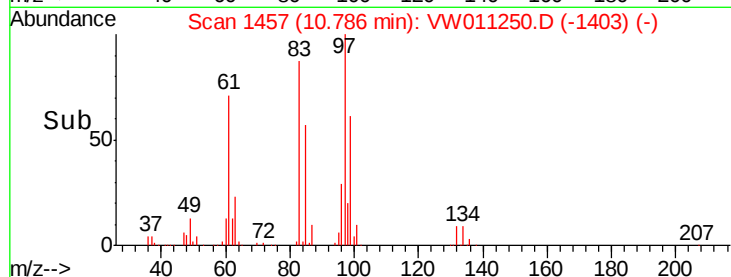
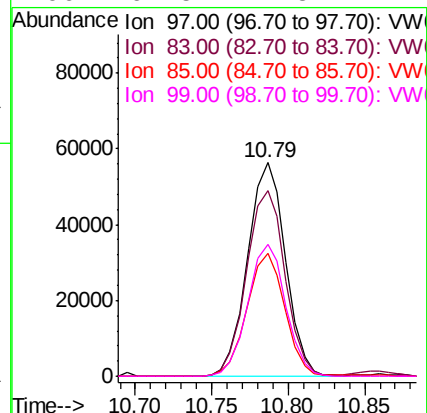
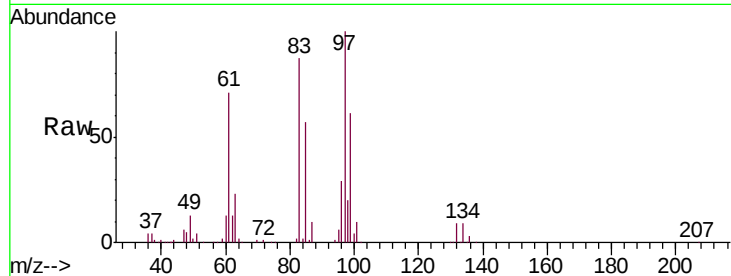




#46
 1,1,2-Trichloroethane
 Concen: 25.826 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

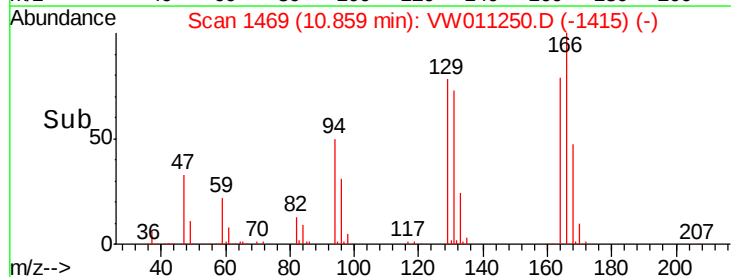
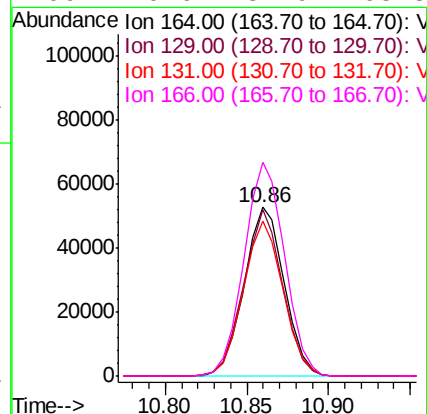
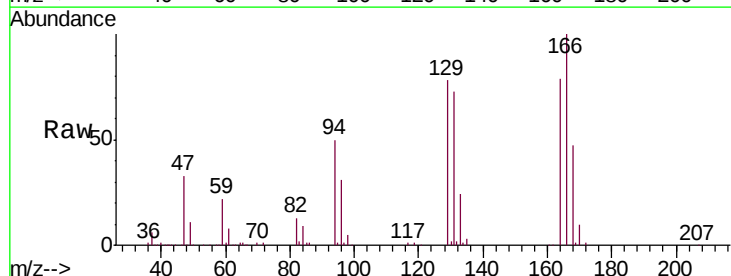
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

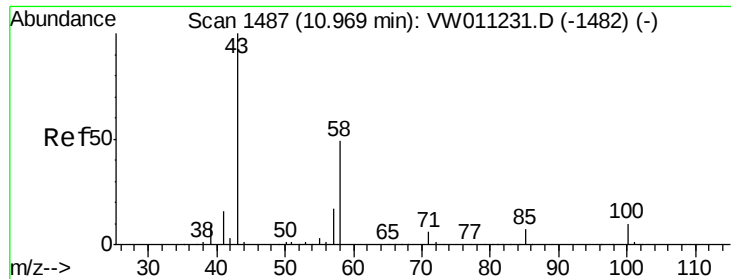
Tgt Ion:	97	Resp:	97460
Ion	Ratio	Lower	Upper
97	100		
83	87.0	63.1	117.3
85	57.3	39.0	72.4
99	61.5	41.5	77.1



#47
 Tetrachloroethene
 Concen: 23.739 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion:	164	Resp:	90035
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.5	127.1
131	92.1	64.8	120.4
166	126.6	87.9	163.3

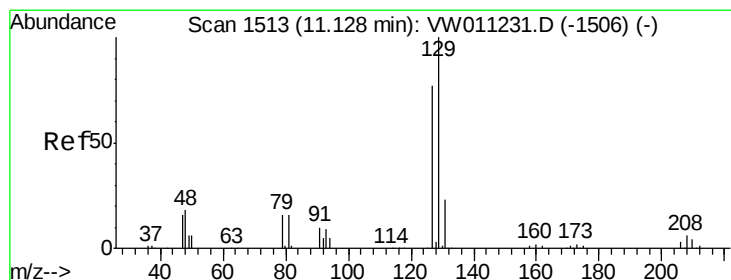
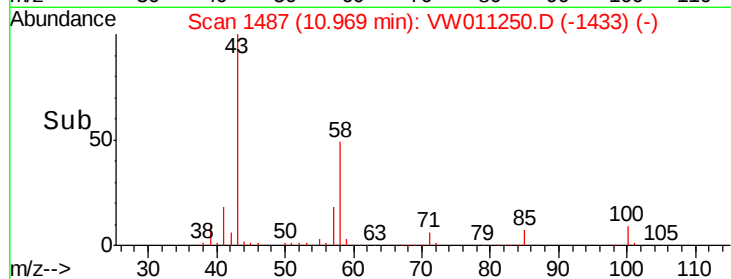
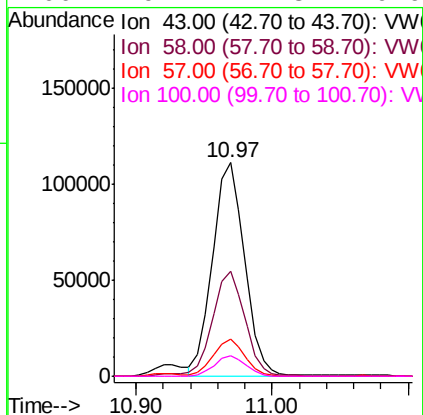
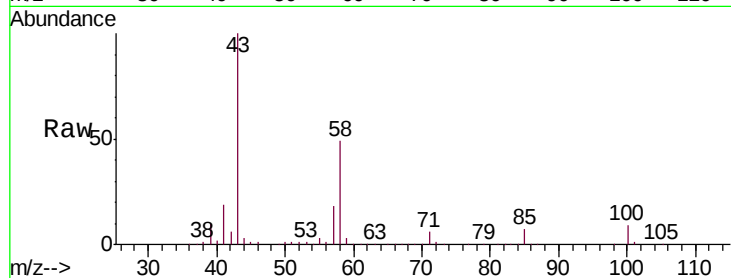




#49
2-Hexanone
Concen: 49.556 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

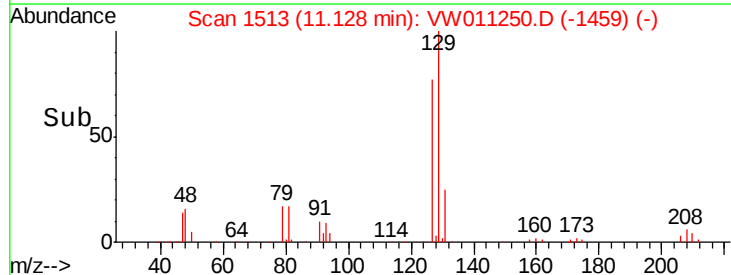
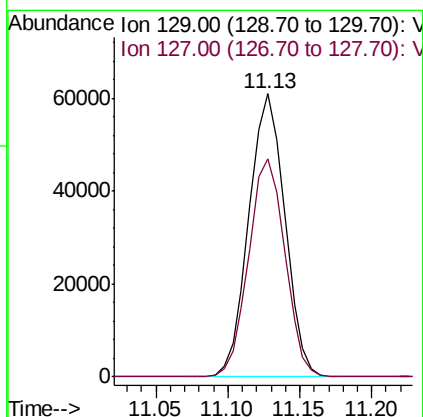
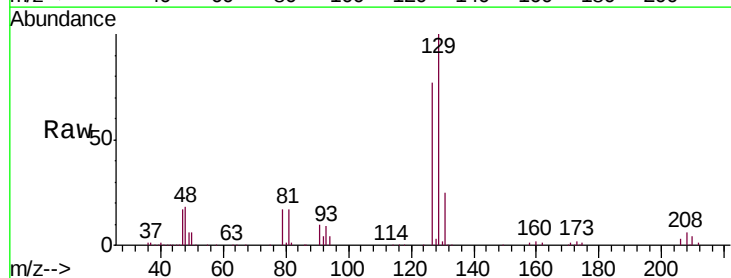
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

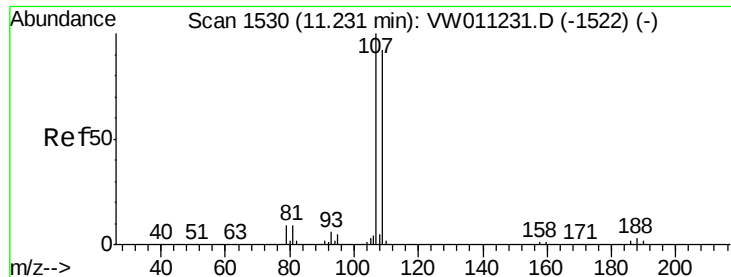
Tgt Ion: 43 Resp: 182218
Ion Ratio Lower Upper
43 100
58 49.3 38.4 57.6
57 17.1 13.3 19.9
100 9.4 7.3 10.9



#50
Dibromochloromethane
Concen: 26.229 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

Tgt Ion: 129 Resp: 105402
Ion Ratio Lower Upper
129 100
127 77.0 53.3 99.1





#51

1,2-Dibromoethane

Concen: 25.396 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

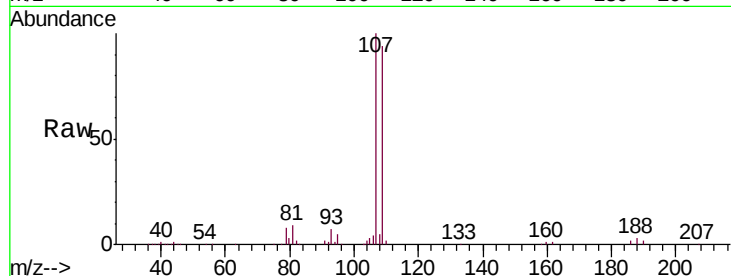
Tgt Ion:107 Resp: 92539

Ion Ratio Lower Upper

107 100

109 94.3 64.3 119.3

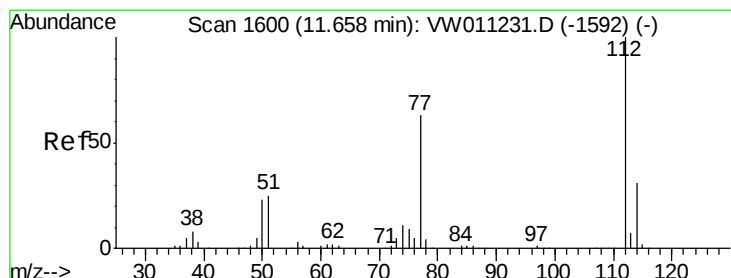
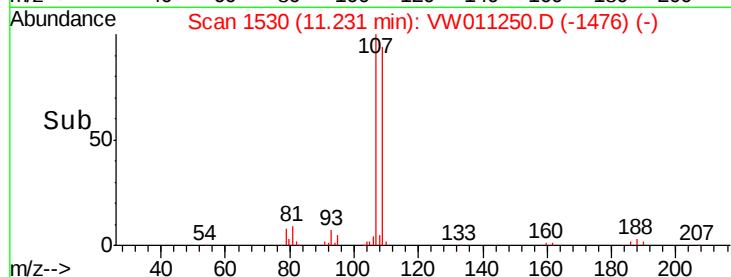
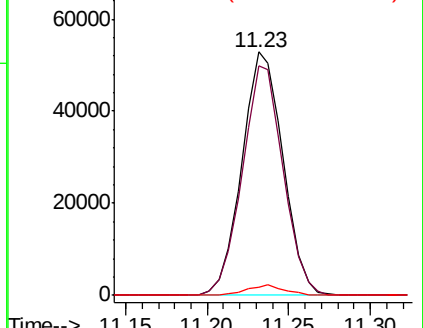
188 3.4 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.684 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

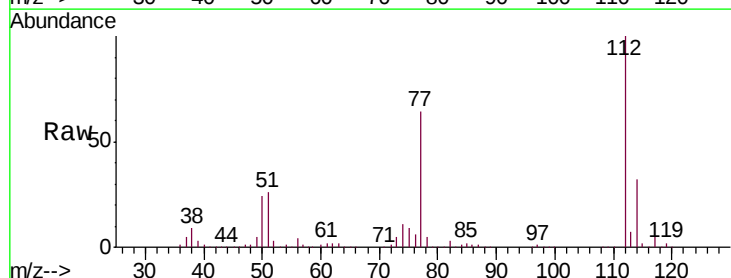
Tgt Ion:112 Resp: 310412

Ion Ratio Lower Upper

112 100

77 64.1 51.2 76.8

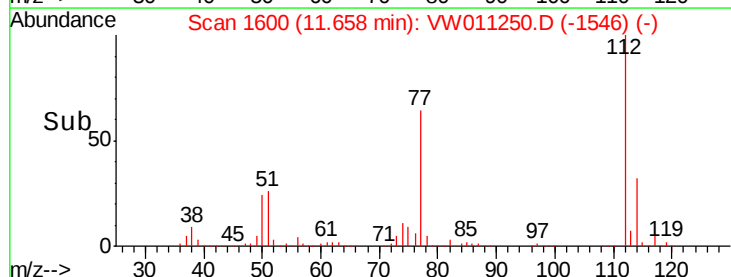
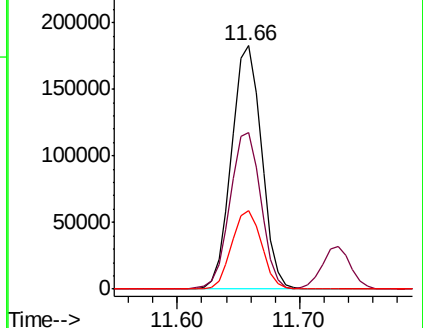
114 32.3 22.0 40.8

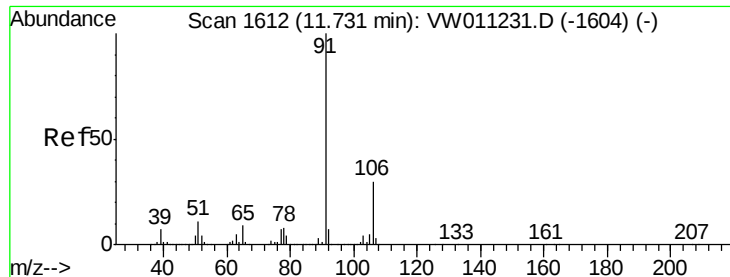


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.701 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

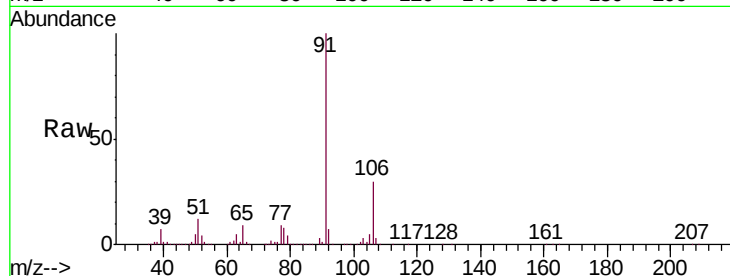
VSTD02520

Tgt Ion: 91 Resp: 576726

Ion Ratio Lower Upper

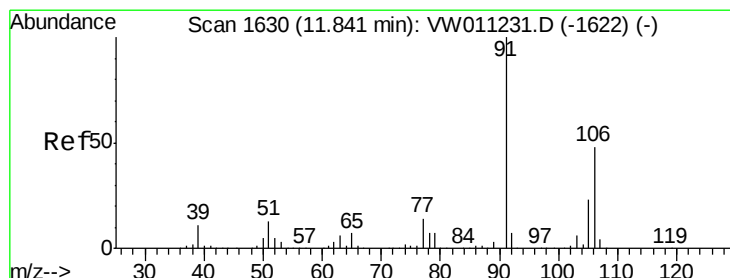
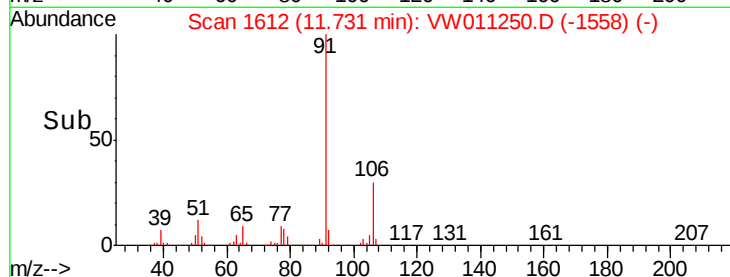
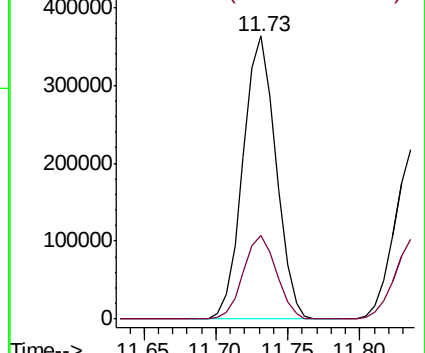
91 100

106 29.7 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.598 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011250.D

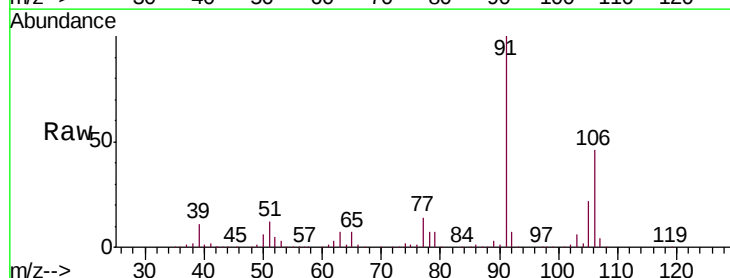
Acq: 12 Jul 2019 19:49

Tgt Ion: 106 Resp: 208519

Ion Ratio Lower Upper

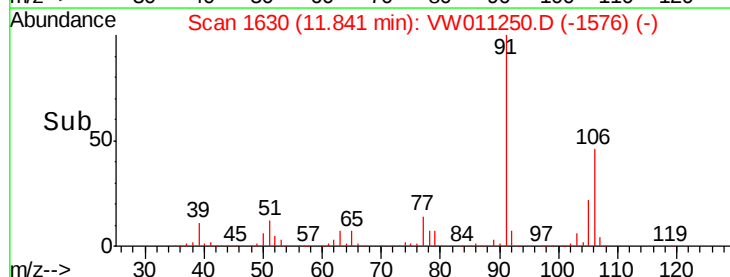
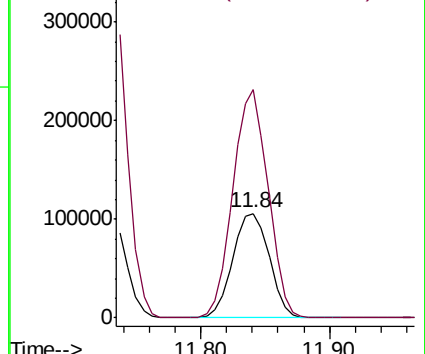
106 100

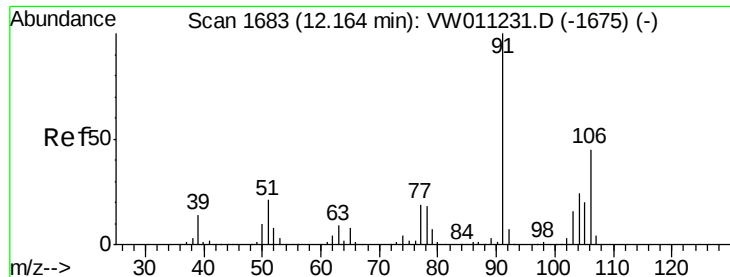
91 219.0 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

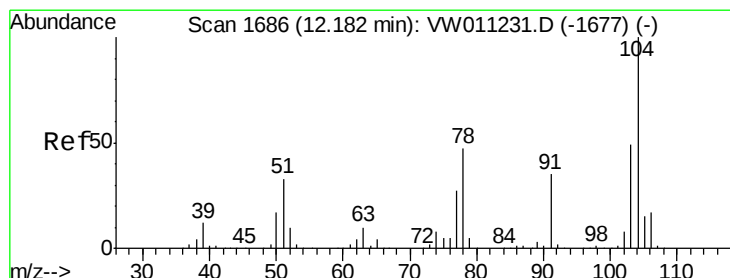
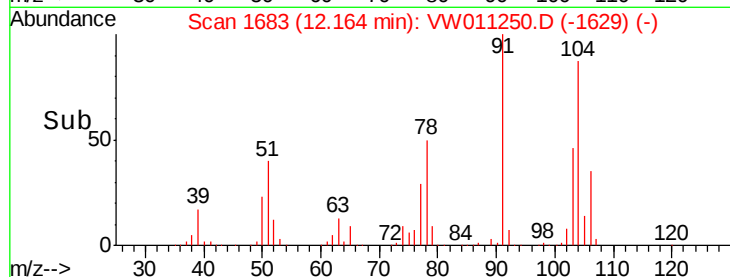
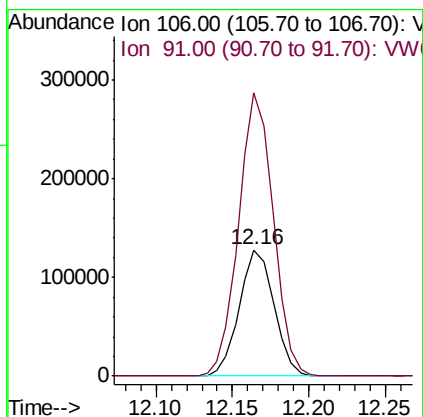
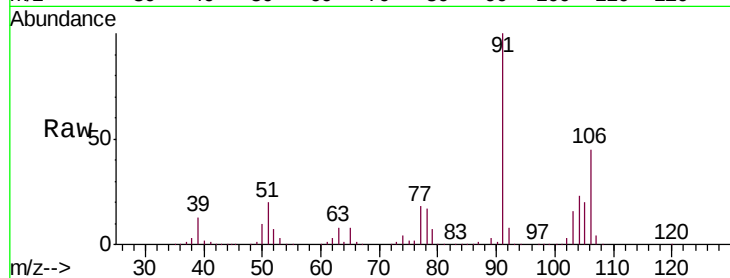




#55
o-xylene
Concen: 25.133 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

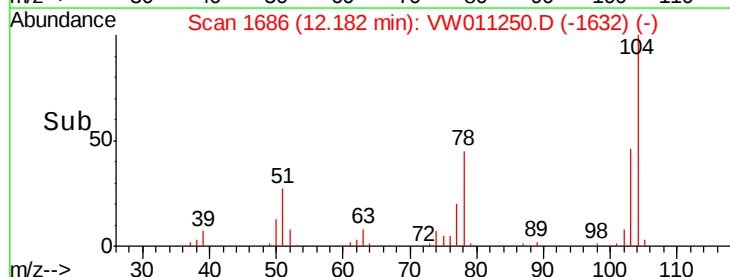
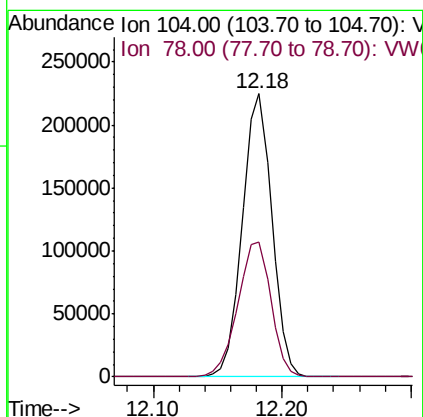
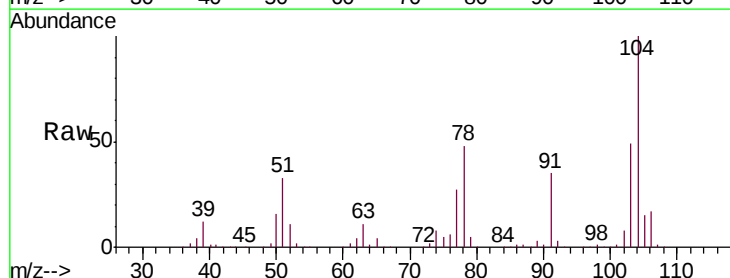
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

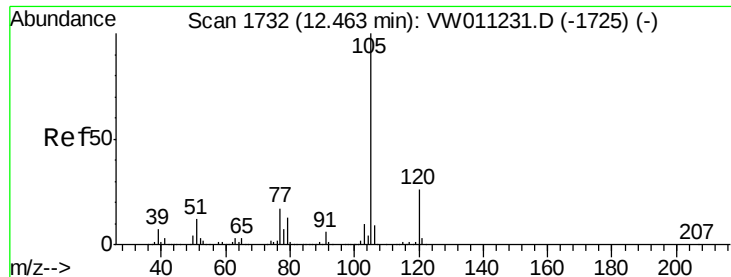
Tgt Ion:106 Resp: 202675
Ion Ratio Lower Upper
106 100
91 224.6 154.6 287.2



#56
Styrene
Concen: 25.839 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011250.D
Acq: 12 Jul 2019 19:49

Tgt Ion:104 Resp: 357452
Ion Ratio Lower Upper
104 100
78 47.8 33.7 62.7





#57

Isopropylbenzene

Concen: 25.062 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

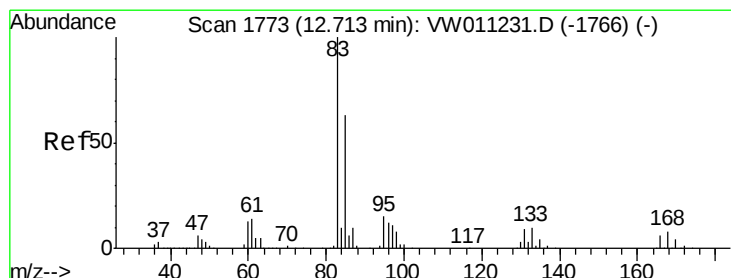
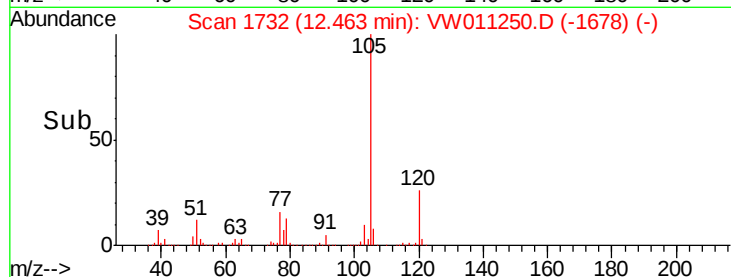
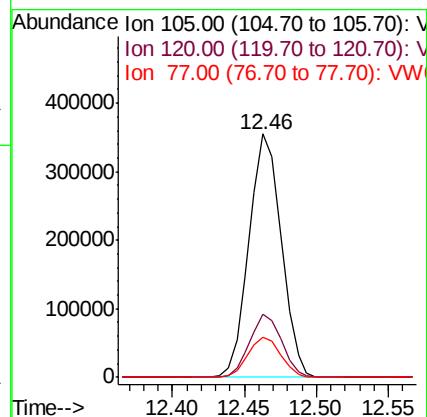
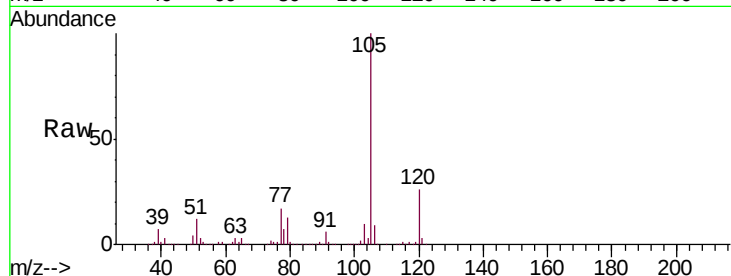
Tgt Ion: 105 Resp: 551680

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

77 16.8 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 26.383 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

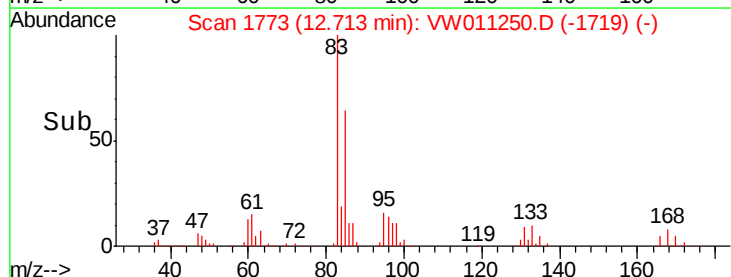
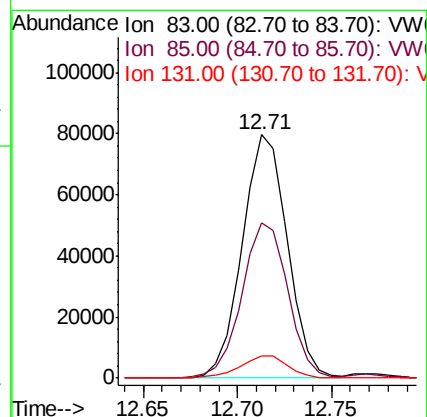
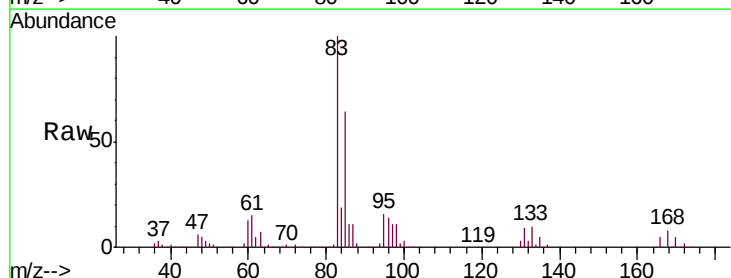
Tgt Ion: 83 Resp: 132450

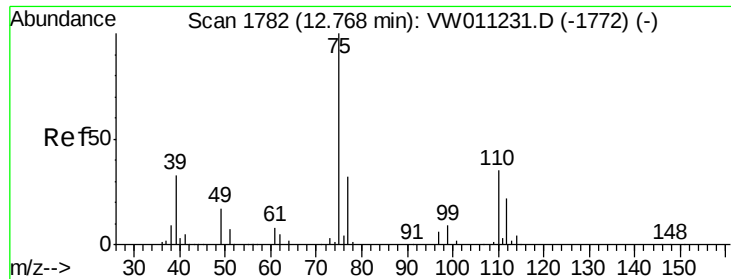
Ion Ratio Lower Upper

83 100

85 63.9 44.0 81.6

131 9.1 6.7 10.1





#59

1,2,3-Trichloropropane

Concen: 25.873 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

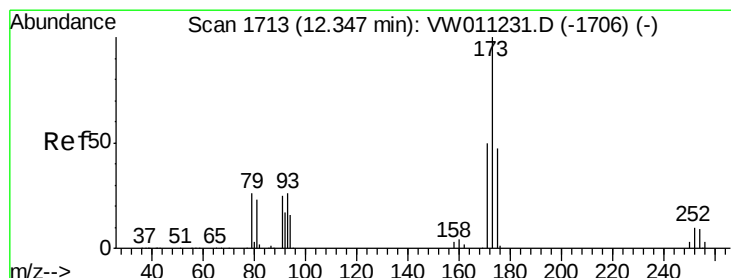
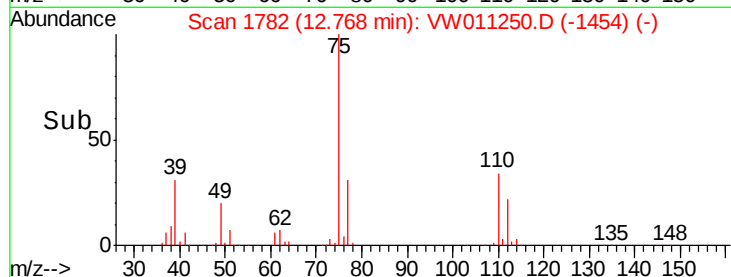
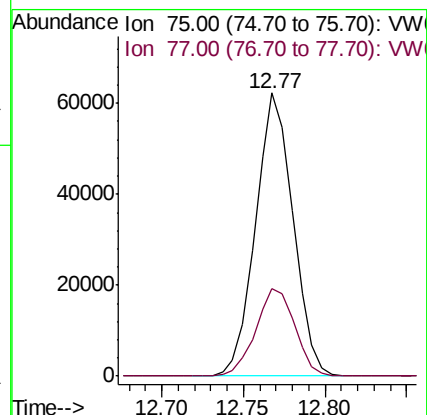
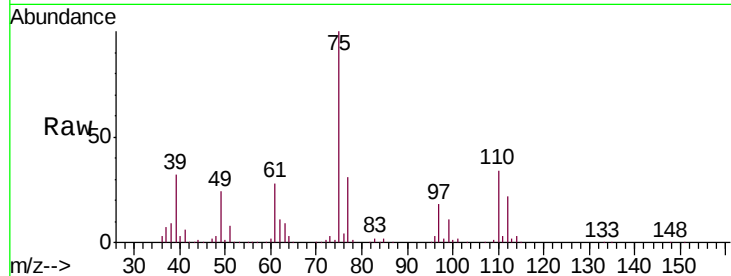
VSTD02520

Tgt Ion: 75 Resp: 99750

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#62

Bromoform

Concen: 26.291 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

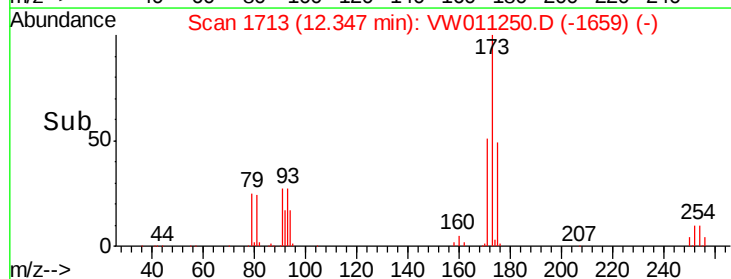
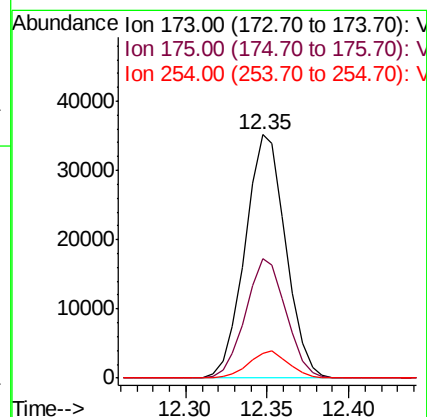
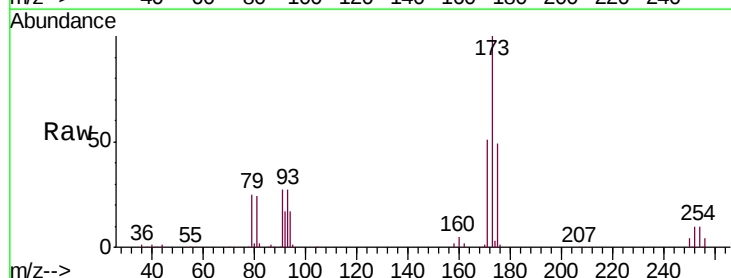
Tgt Ion: 173 Resp: 60874

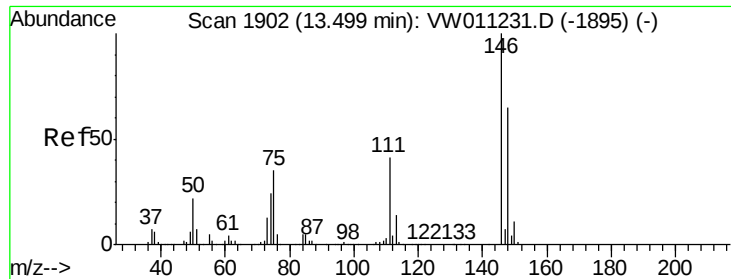
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 10.8 8.5 12.7

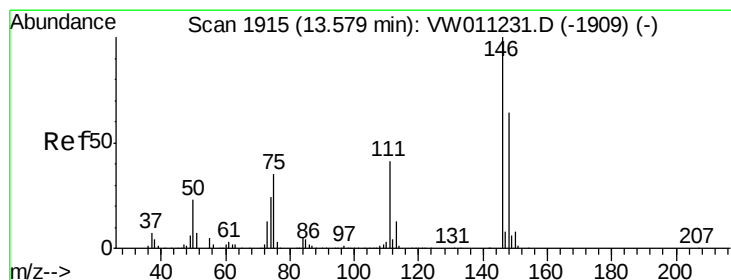
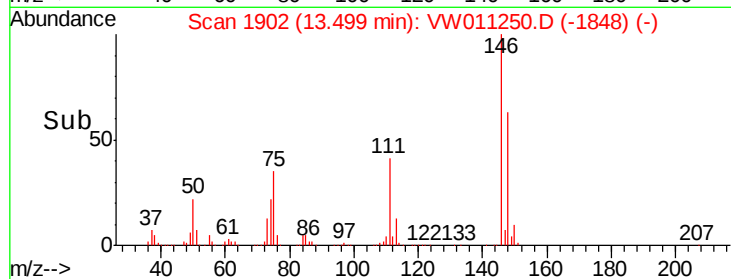
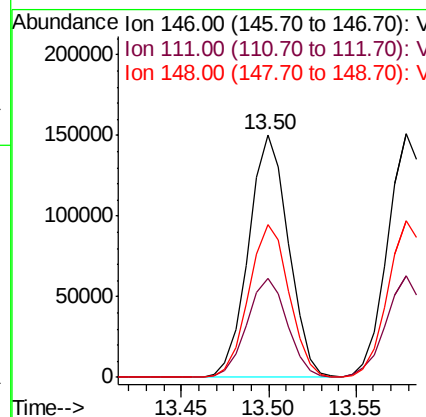
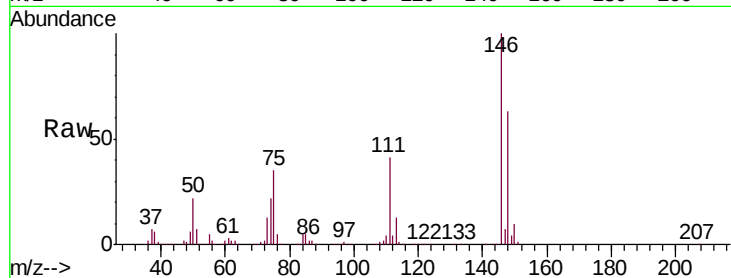




#63
 1,3-Dichlorobenzene
 Concen: 24.934 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

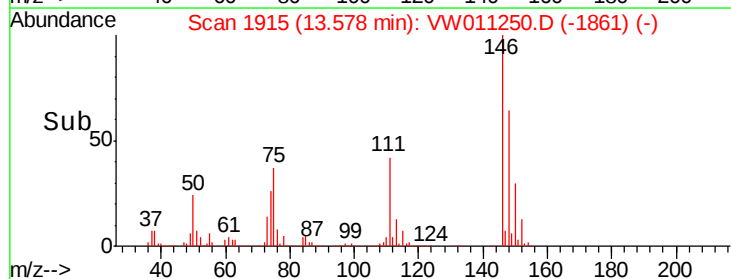
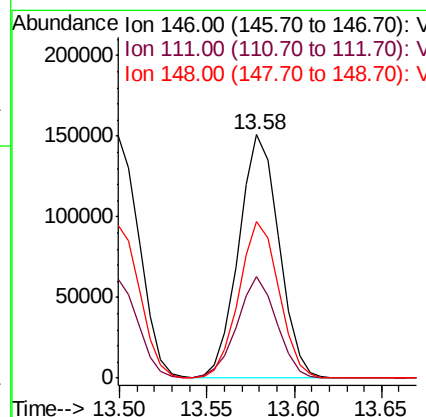
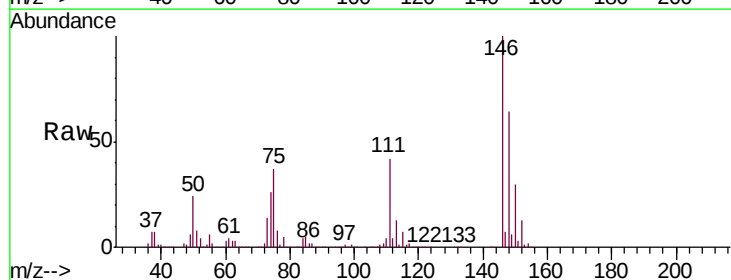
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

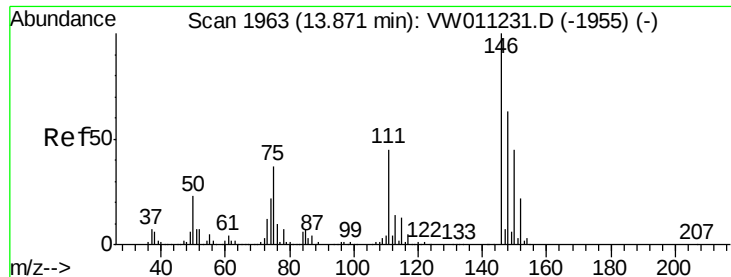
Tgt Ion:146 Resp: 238320
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.0 53.8
 148 63.1 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.732 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion:146 Resp: 241995
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.5 51.1
 148 64.3 43.8 81.3

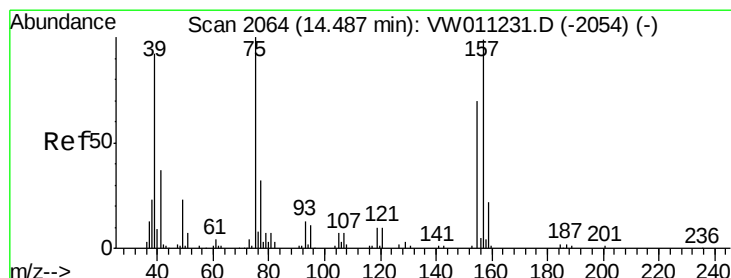
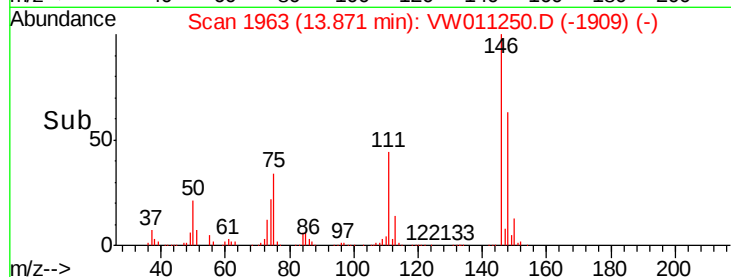
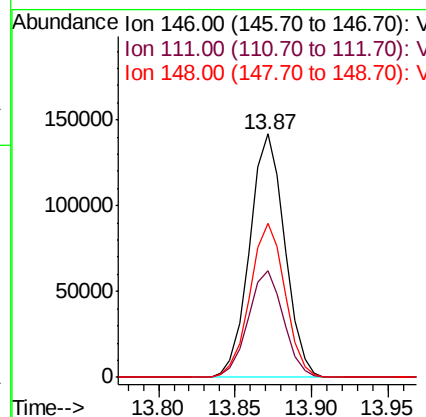
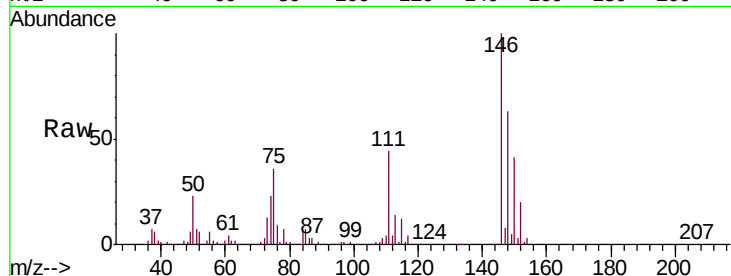




#65
 1,2-Dichlorobenzene
 Concen: 25.413 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

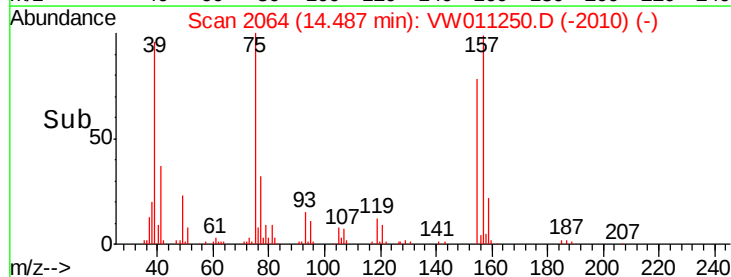
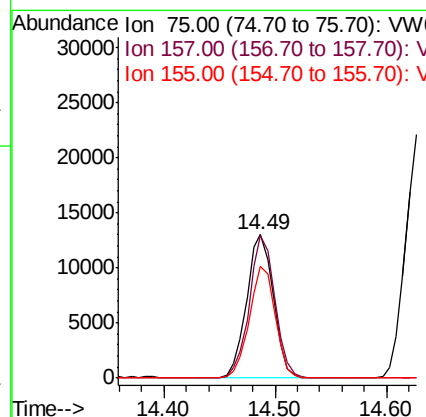
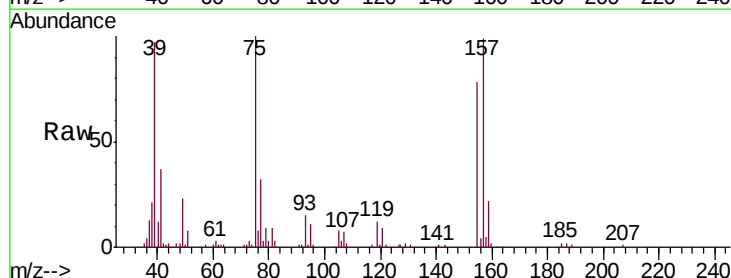
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

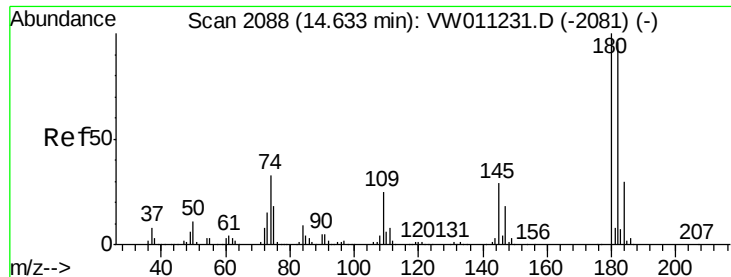
Tgt Ion:146 Resp: 226099
 Ion Ratio Lower Upper
 146 100
 111 44.0 34.1 51.1
 148 63.3 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.966 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion: 75 Resp: 21808
 Ion Ratio Lower Upper
 75 100
 157 99.1 75.3 112.9
 155 78.2 60.2 90.2

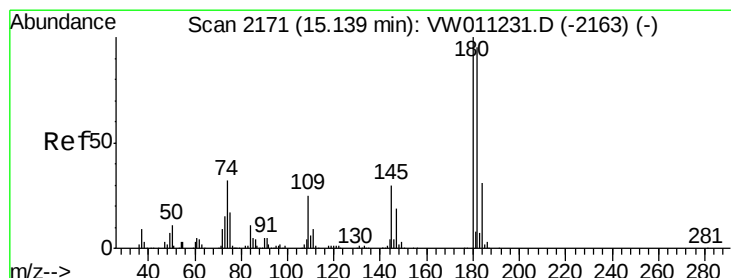
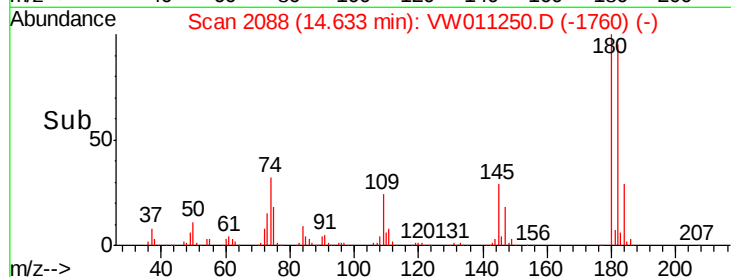
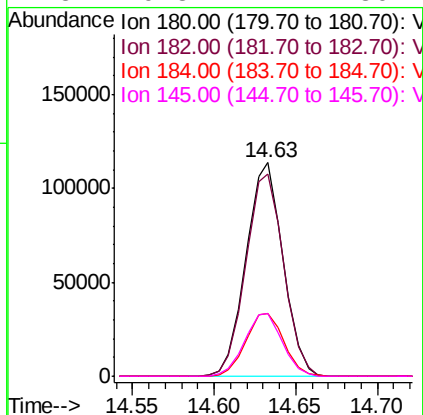
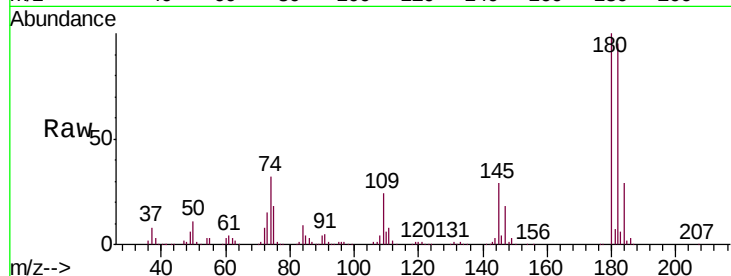




#67
 1,3,5-Trichlorobenzene
 Concen: 24.788 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

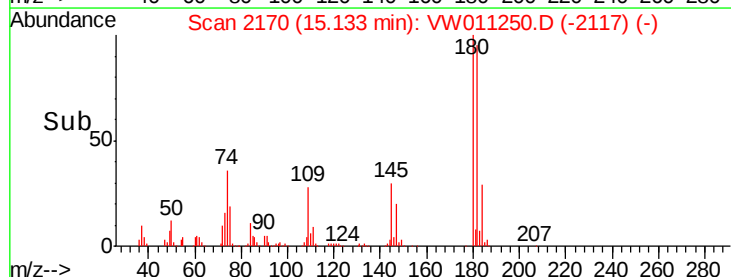
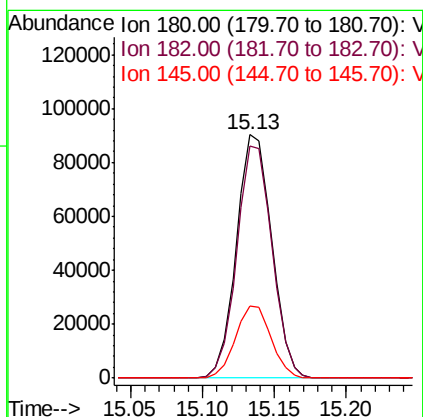
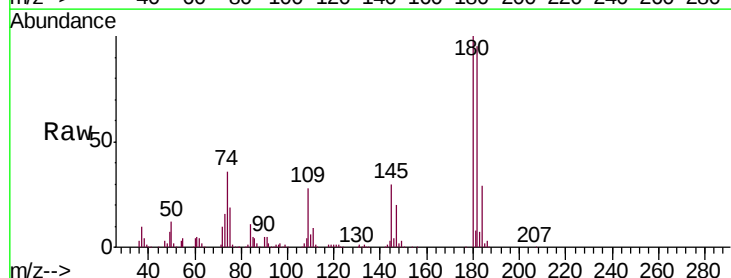
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

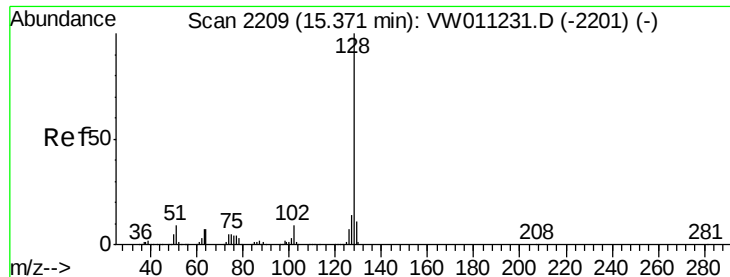
Tgt Ion:	180	Resp:	179513
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.4
184	30.1	24.3	36.5
145	29.8	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.370 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011250.D
 Acq: 12 Jul 2019 19:49

Tgt Ion:	180	Resp:	153916
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.6
145	29.8	24.5	36.7





#69

Naphthalene

Concen: 27.096 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

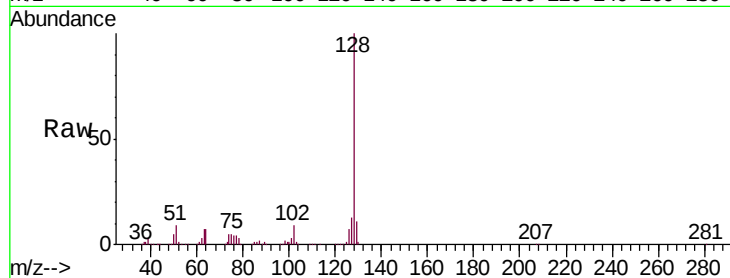
Tgt Ion:128 Resp: 344280

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

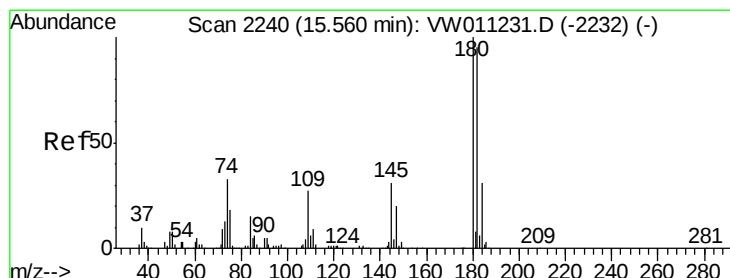
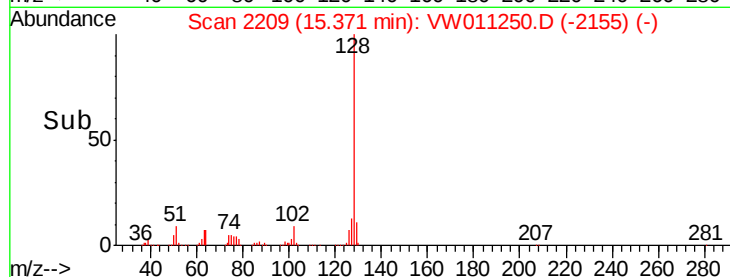
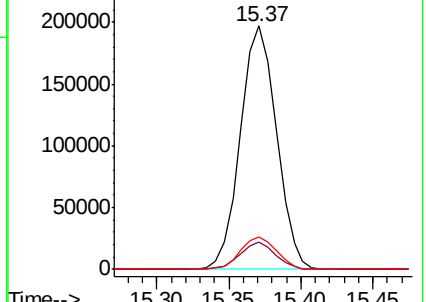
127 13.3 10.6 15.8



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: 25.886 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011250.D

Acq: 12 Jul 2019 19:49

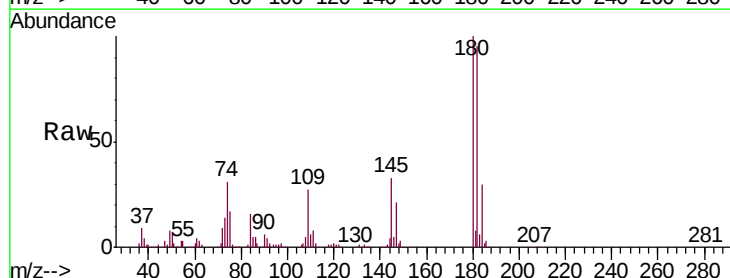
Tgt Ion:180 Resp: 143692

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 32.4 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

