

Data File : VW011252.D
Acq On : 15 Jul 2019 10:22
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

Quant Time: Jul 16 05:01:55 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	396068	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352119	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	174590	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	133886	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.56%
7) Chloroethane-d5	2.89	69	96983	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
10) 1,1-Dichloroethene-d2	4.01	63	299180	23.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.44%
20) 2-Butanone-d5	7.07	46	121049	50.81	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.62%
24) Chloroform-d	7.65	84	260091	23.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.84%
26) 1,2-Dichloroethane-d4	8.31	65	158889	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
29) Benzene-d6	8.27	84	525902	24.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.96%
33) 1,2-Dichloropropane-d6	9.27	67	173233	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.08%
37) Toluene-d8	10.32	98	464171	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.04%
38) trans-1,3-Dichloropropene-	10.57	79	75026	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.92%
39) 2-Hexanone-d5	10.92	63	83082	51.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146910	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	158237	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	122513	25.150 ug/L	96
3) Chloromethane	2.21	50	115670	21.872 ug/L	99
5) Vinyl chloride	2.36	62	166111	24.065 ug/L	96
6) Bromomethane	2.77	94	76613	23.724 ug/L	100
8) Chloroethane	2.92	64	86661	24.839 ug/L	99
9) Trichlorofluoromethane	3.25	101	66446	28.115 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	132725	25.204 ug/L	97
12) 1,1-Dichloroethene	4.04	96	128089	24.609 ug/L	82
13) Acetone	4.12	43	110671	47.561 ug/L	100
14) Carbon disulfide	4.38	76	368928	24.779 ug/L	100
15) Methyl Acetate	4.66	43	97686	25.799 ug/L	100
16) Methylene chloride	4.92	84	135900	23.350 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	214803	26.611 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	130411	24.795 ug/L	98
19) 1,1-Dichloroethane	6.21	63	270712	25.353 ug/L	98
21) 2-Butanone	7.17	43	145767	48.526 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	142676	25.061 ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61117	25.584	ug/L	97
25) Chloroform	7.67	83	251875	24.904	ug/L	99
27) 1,2-Dichloroethane	8.40	62	190454	24.634	ug/L	99
30) Cyclohexane	7.95	56	272620	25.465	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	194082	26.557	ug/L	100
32) Carbon tetrachloride	8.06	117	181703	26.511	ug/L	97
34) Benzene	8.32	78	565685	25.705	ug/L	100
35) Trichloroethene	9.09	95	141801	25.534	ug/L	99
36) Methylcyclohexane	9.33	83	256665	25.682	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155433	25.775	ug/L	99
41) Bromodichloromethane	9.64	83	183761	26.431	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	239233	26.887	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	281189	50.301	ug/L	100
44) Toluene	10.38	91	586782	25.760	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	197351	26.806	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	107122	25.652	ug/L	97
47) Tetrachloroethene	10.86	164	106931	25.477	ug/L	96
49) 2-Hexanone	10.97	43	213748	52.530	ug/L	99
50) Dibromochloromethane	11.13	129	118510	26.650	ug/L	98
51) 1,2-Dibromoethane	11.23	107	102601	25.445	ug/L	96
52) Chlorobenzene	11.66	112	353121	25.375	ug/L	99
53) Ethylbenzene	11.73	91	667673	25.841	ug/L	100
54) m,p-Xylene	11.84	106	242021	25.800	ug/L	97
55) o-xylene	12.16	106	232987	26.108	ug/L	100
56) Styrene	12.18	104	400664	26.173	ug/L	100
57) Isopropylbenzene	12.46	105	638528	26.212	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	143441	25.820	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	108497	25.431	ug/L	99
62) Bromoform	12.35	173	70423	27.065	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	273069	25.422	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	275524	25.057	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	252634	25.267	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	25639	26.119	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	211078	25.936	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	178584	26.193	ug/L	98
69) Naphthalene	15.37	128	379536	26.580	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	158121	25.347	ug/L	98

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

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ClientSampleId :
VSTD02560

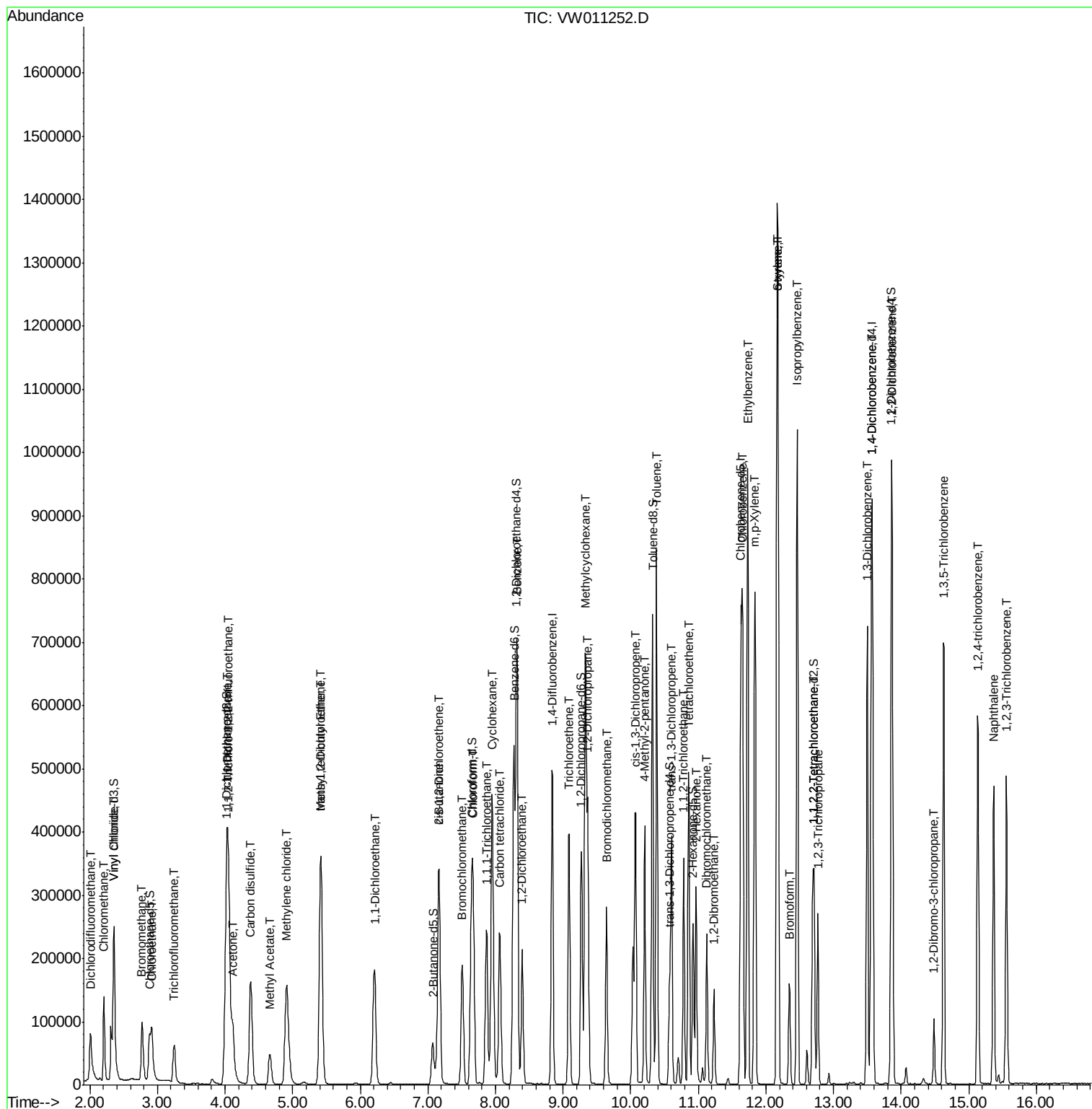
Quant Time: Jul 16 05:01:55 2019

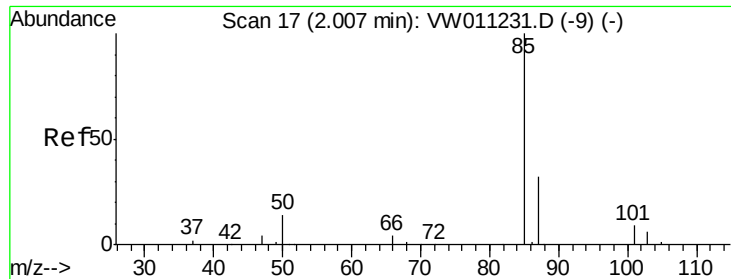
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.150 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

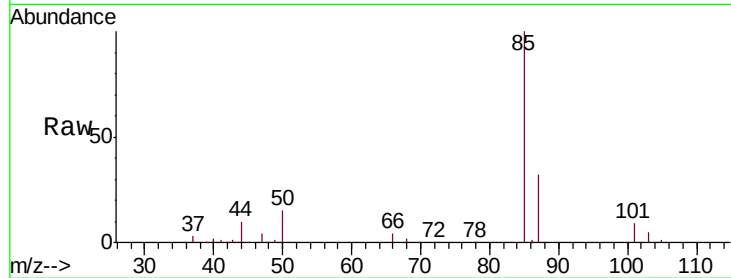
VSTD02560

Tgt Ion: 85 Resp: 122513

Ion Ratio Lower Upper

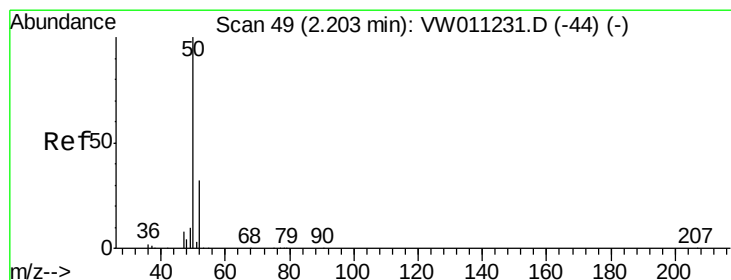
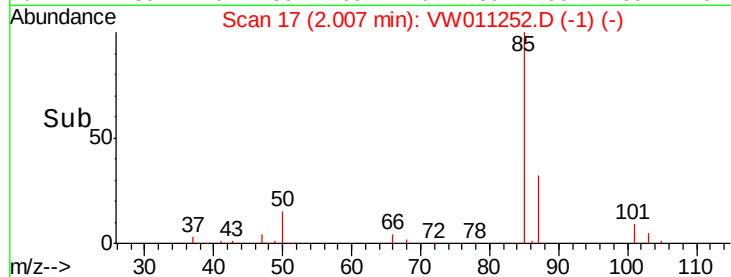
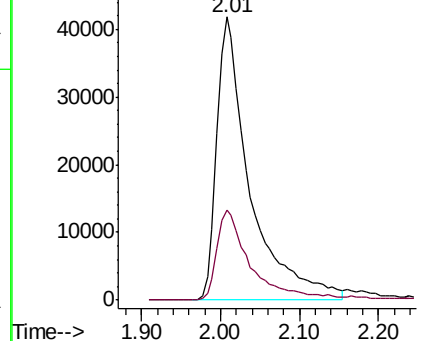
85 100

87 31.7 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: 21.872 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW011252.D

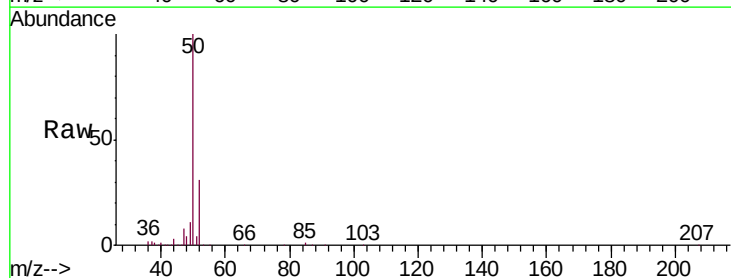
Acq: 15 Jul 2019 10:22

Tgt Ion: 50 Resp: 115670

Ion Ratio Lower Upper

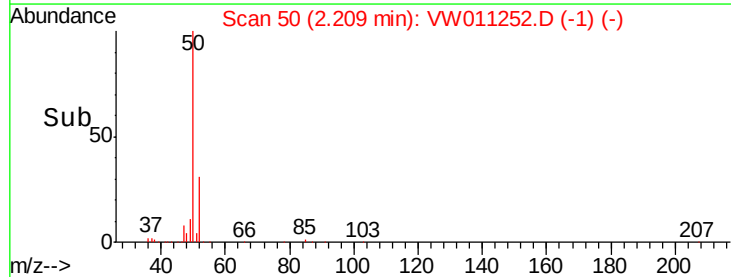
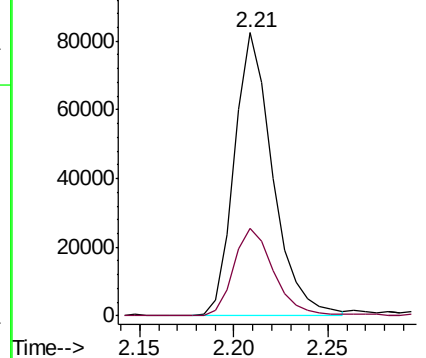
50 100

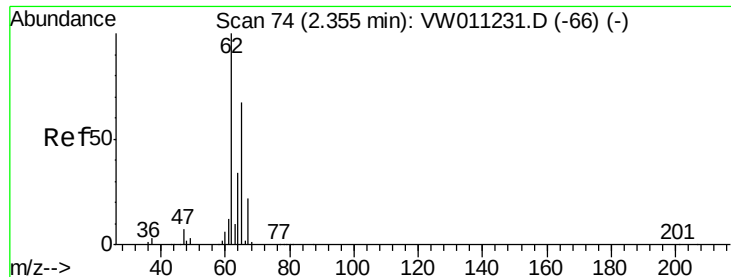
52 31.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.065 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

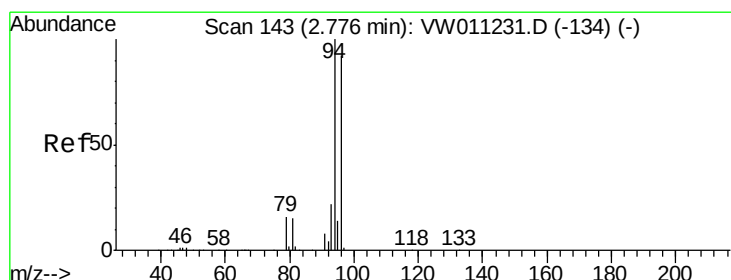
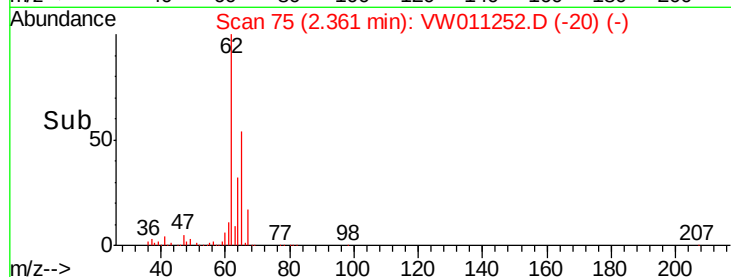
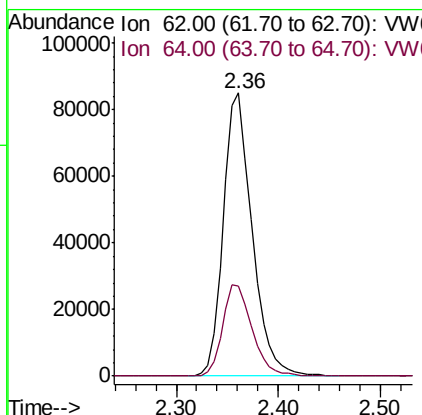
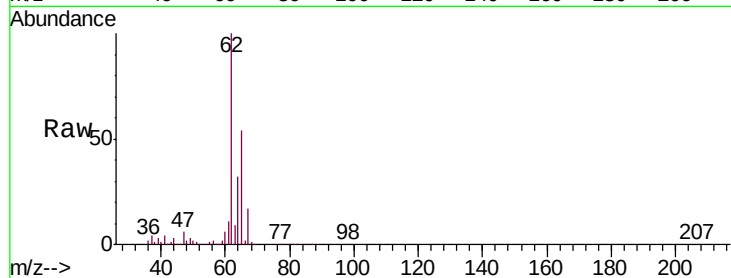
VSTD02560

Tgt Ion: 62 Resp: 166111

Ion Ratio Lower Upper

62 100

64 31.7 23.9 44.3



#6

Bromomethane

Concen: 23.724 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011252.D

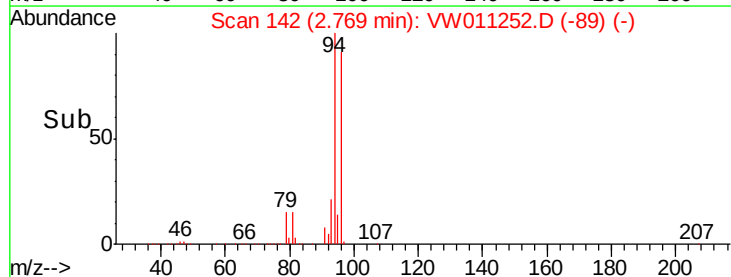
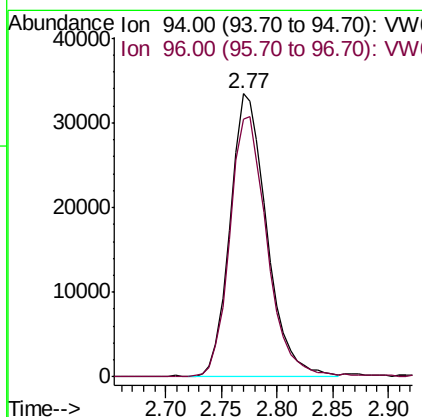
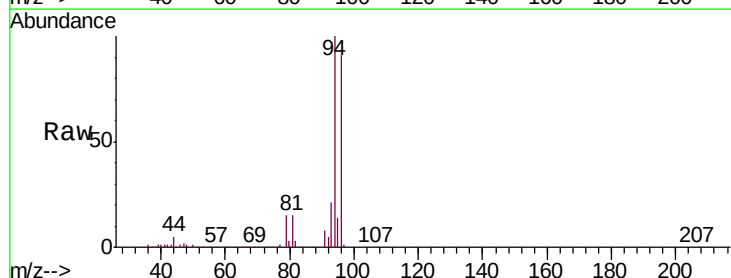
Acq: 15 Jul 2019 10:22

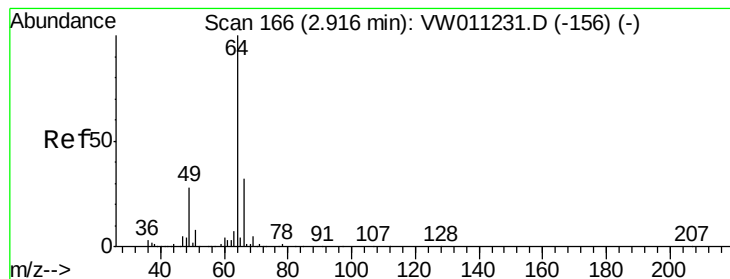
Tgt Ion: 94 Resp: 76613

Ion Ratio Lower Upper

94 100

96 93.2 9.3 177.3





#8

Chloroethane

Concen: 24.839 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

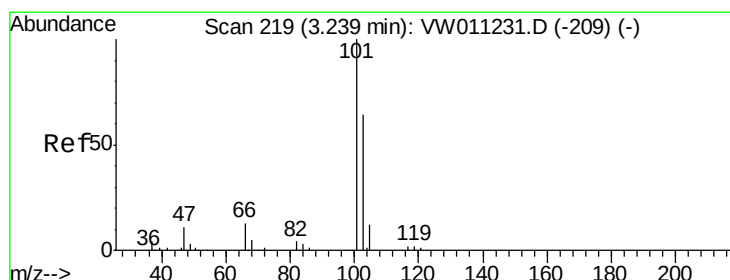
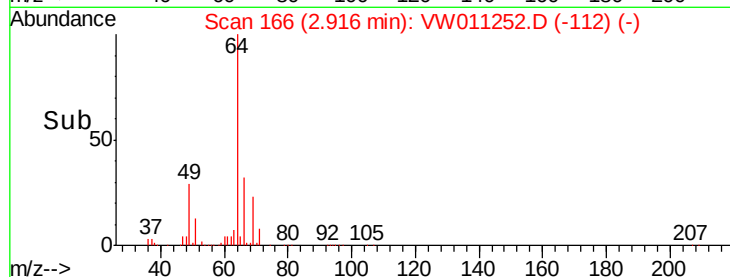
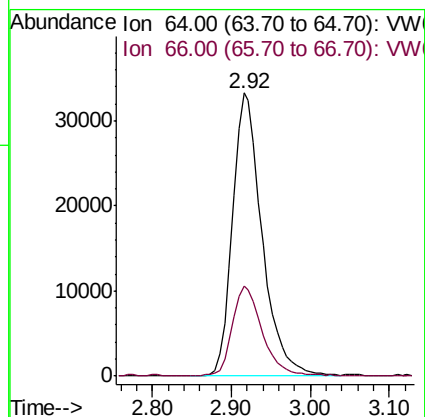
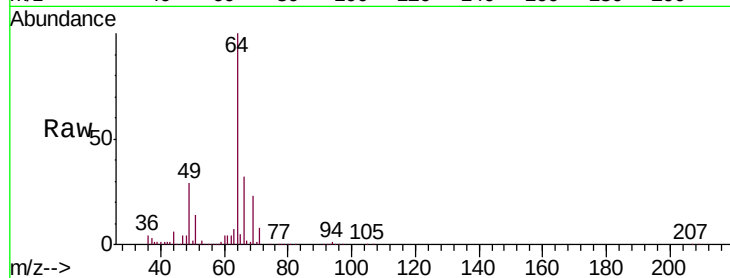
VSTD02560

Tgt Ion: 64 Resp: 86661

Ion Ratio Lower Upper

64 100

66 32.0 21.9 40.7



#9

Trichlorofluoromethane

Concen: 28.115 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW011252.D

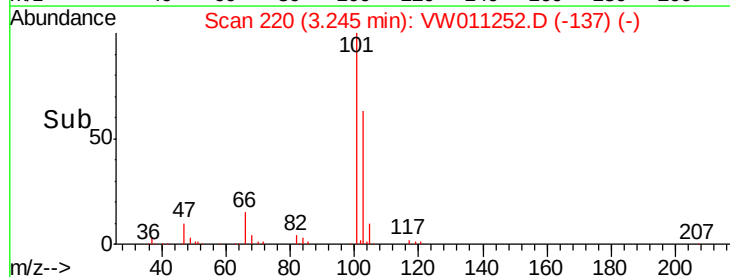
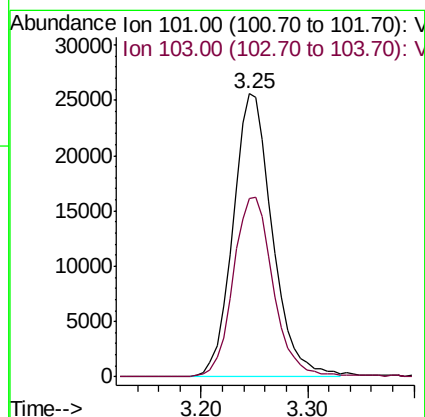
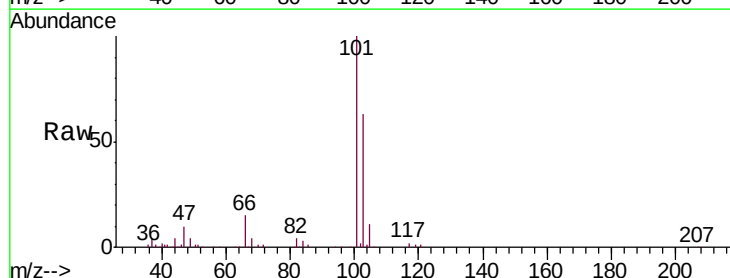
Acq: 15 Jul 2019 10:22

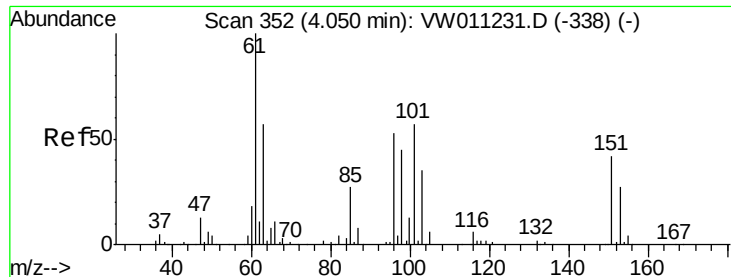
Tgt Ion: 101 Resp: 66446

Ion Ratio Lower Upper

101 100

103 63.8 44.6 82.8





#11

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

Concen: 25.204 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02560

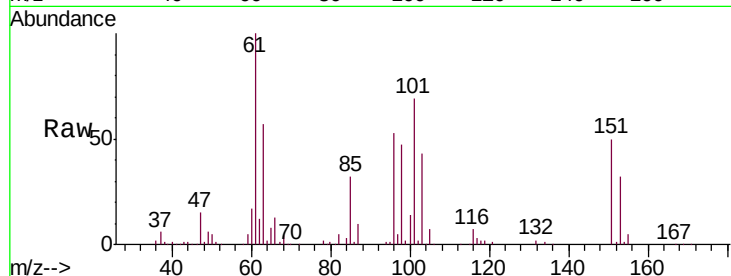
Tgt Ion: 101 Resp: 132725

Ion Ratio Lower Upper

101 100

85 44.7 33.8 50.8

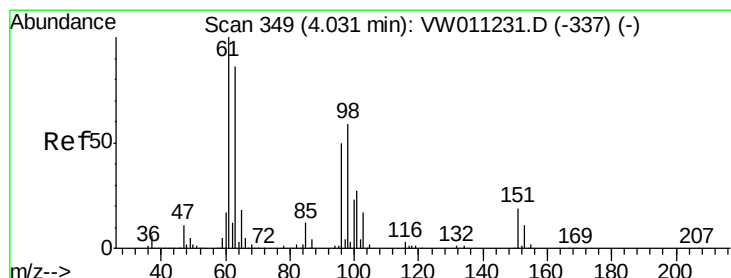
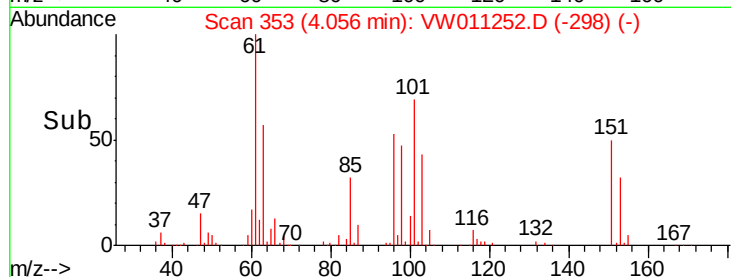
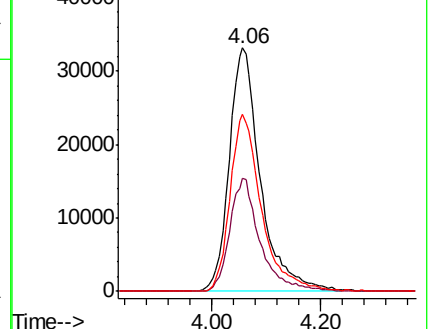
151 73.0 56.9 85.3



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: 24.609 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

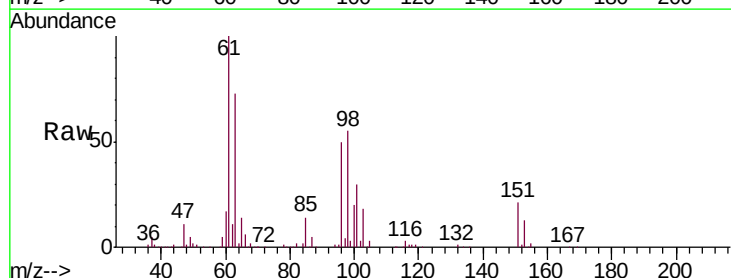
Tgt Ion: 96 Resp: 128089

Ion Ratio Lower Upper

96 100

61 200.4 142.2 264.0

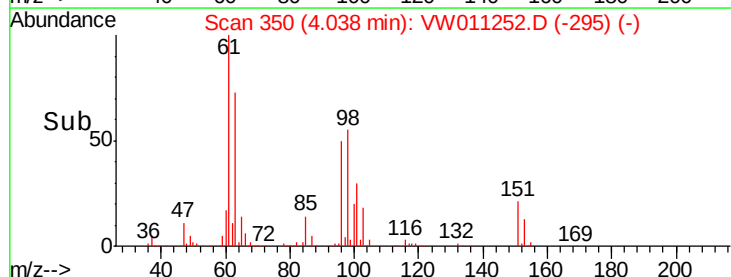
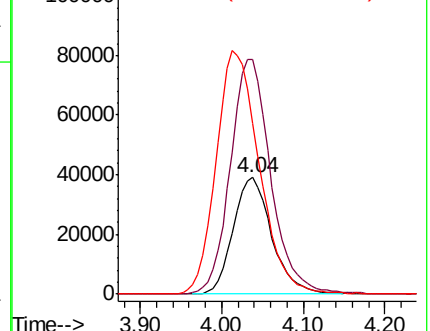
63 146.4 138.9 257.9

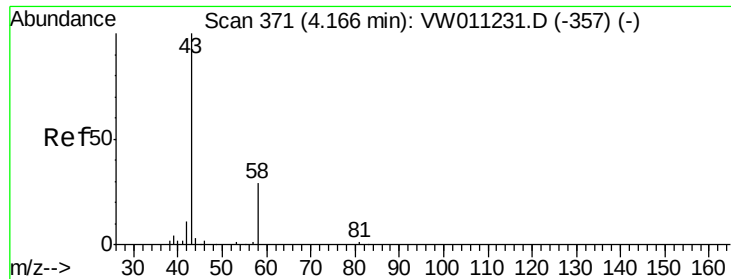


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.561 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.05 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

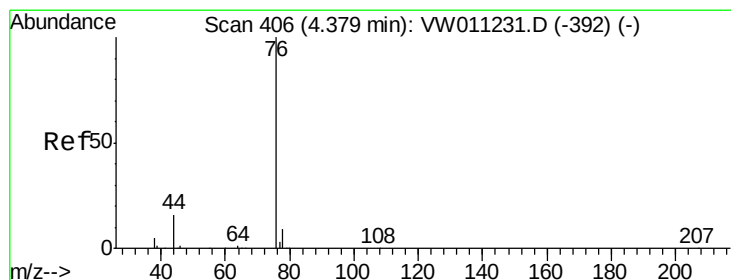
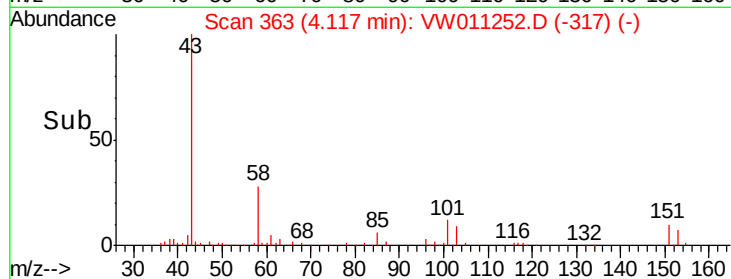
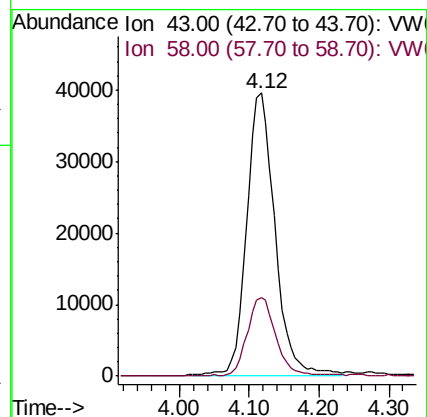
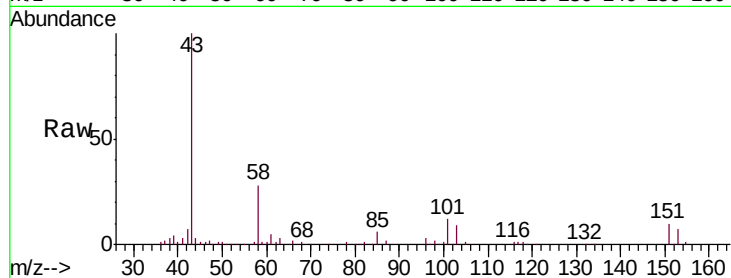
VSTD02560

Tgt Ion: 43 Resp: 110671

Ion Ratio Lower Upper

43 100

58 27.3 0.0 55.0



#14

Carbon disulfide

Concen: 24.779 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011252.D

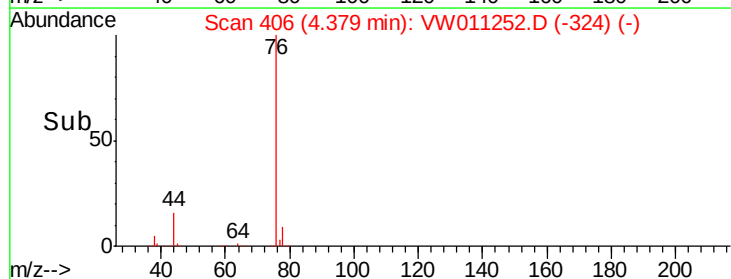
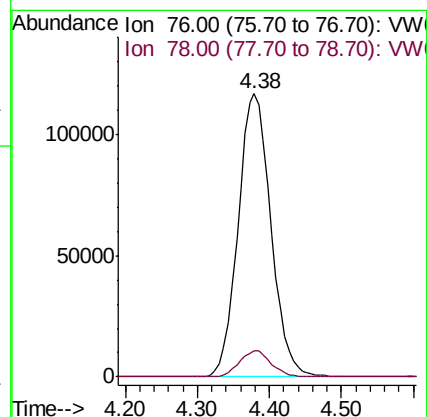
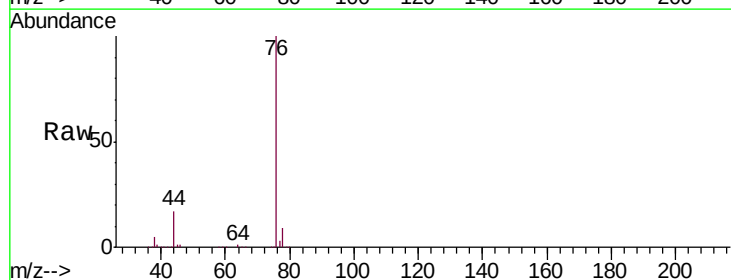
Acq: 15 Jul 2019 10:22

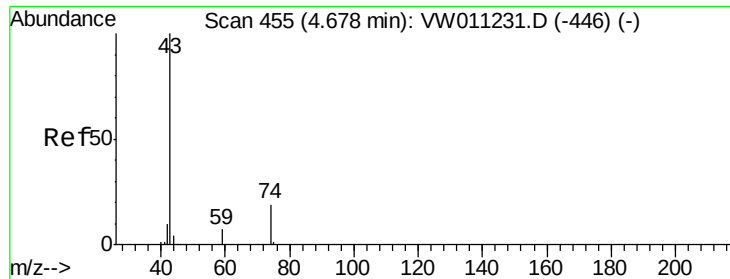
Tgt Ion: 76 Resp: 368928

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

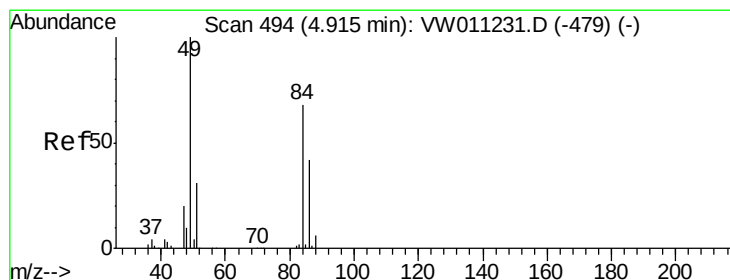
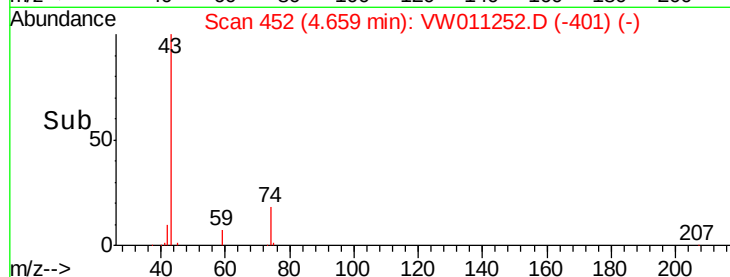
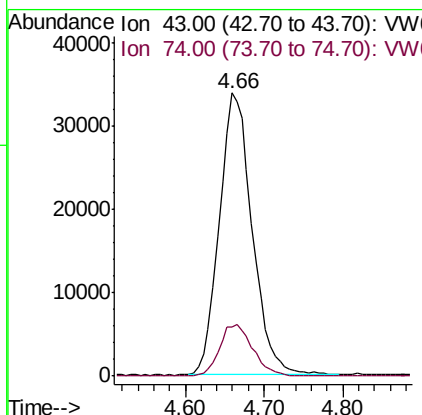
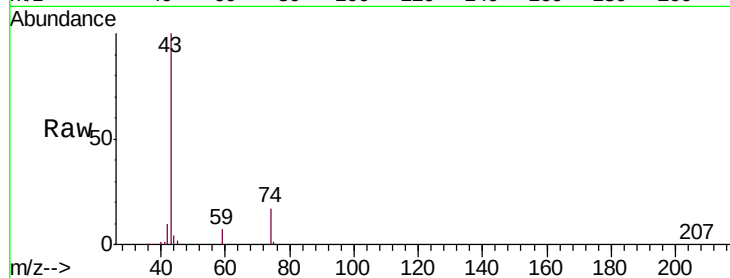




#15
Methyl Acetate
Concen: 25.799 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.02 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

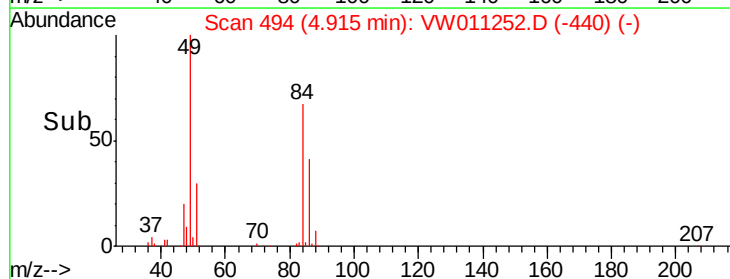
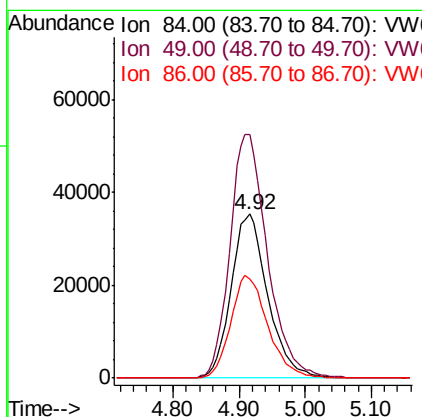
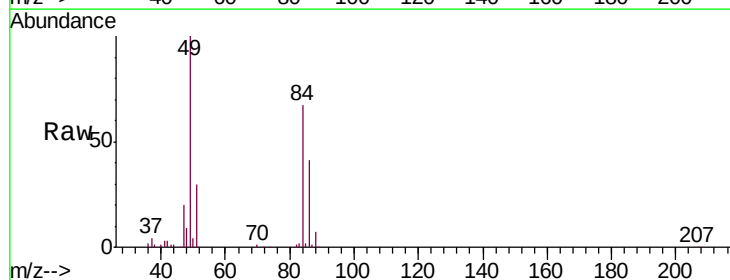
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

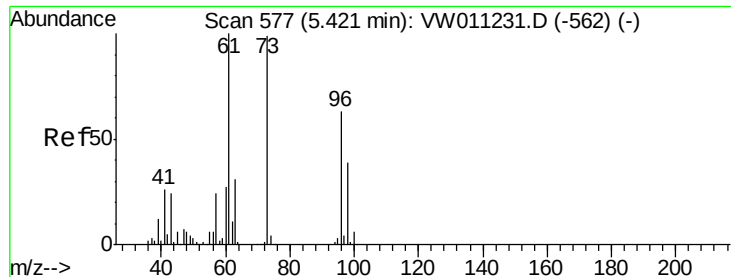
Tgt Ion: 43 Resp: 97686
Ion Ratio Lower Upper
43 100
74 18.7 15.1 22.7



#16
Methylene chloride
Concen: 23.350 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion: 84 Resp: 135900
Ion Ratio Lower Upper
84 100
49 148.7 102.5 190.3
86 60.3 46.4 86.2

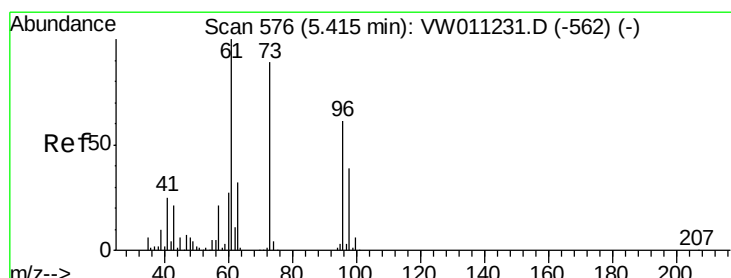
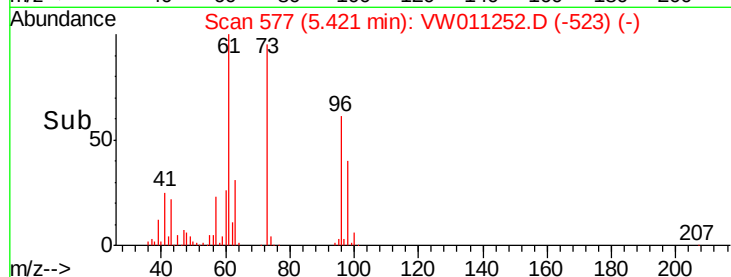
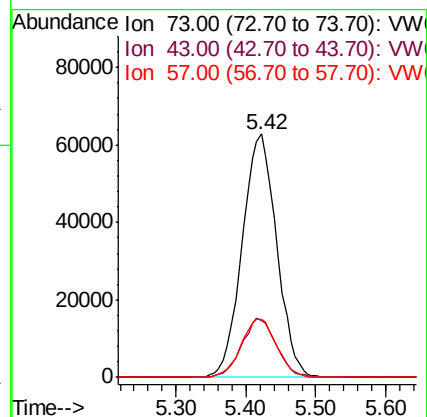
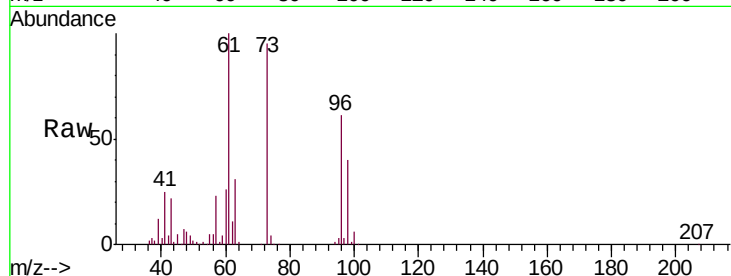




#17
Methyl tert-butyl Ether
Concen: 26.611 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

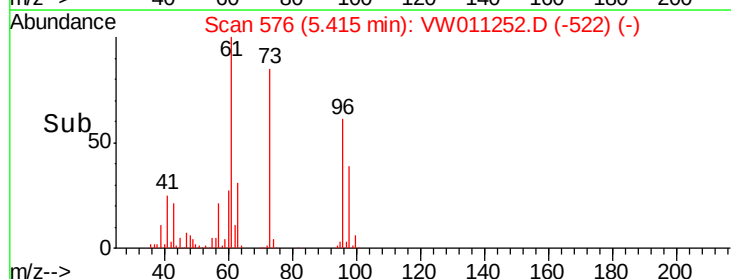
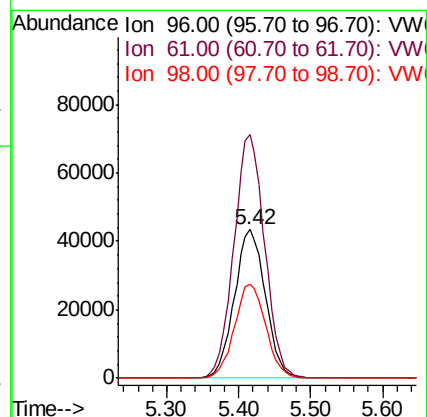
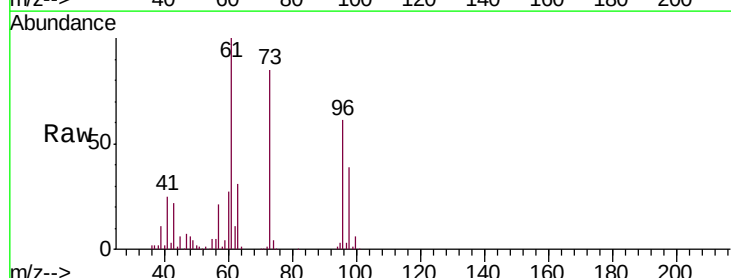
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

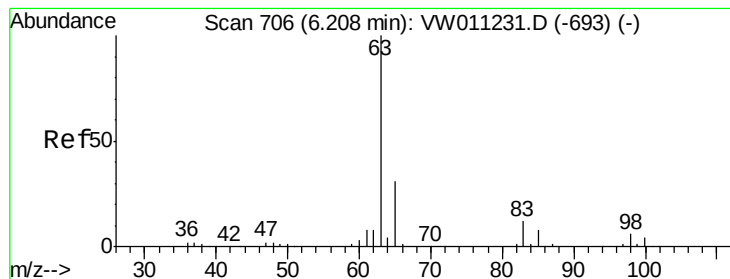
Tgt Ion: 73 Resp: 214803
Ion Ratio Lower Upper
73 100
43 24.2 20.2 30.2
57 24.6 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 24.795 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion: 96 Resp: 130411
Ion Ratio Lower Upper
96 100
61 164.1 113.7 211.1
98 63.5 43.3 80.3





#19

1,1-Dichloroethane

Concen: 25.353 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02560

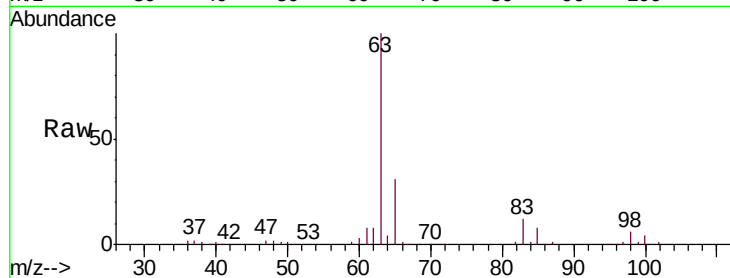
Tgt Ion: 63 Resp: 270712

Ion Ratio Lower Upper

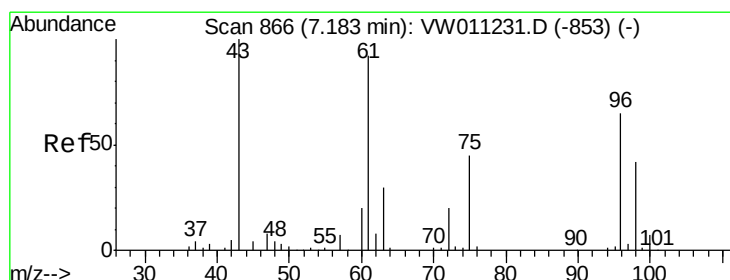
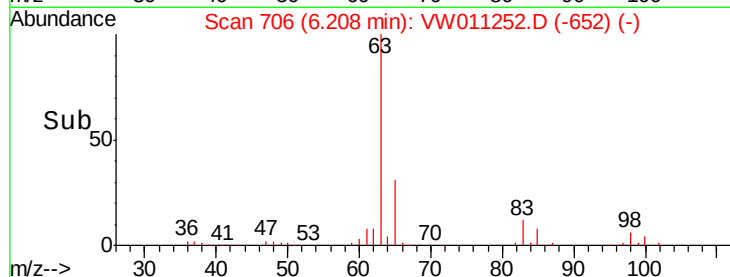
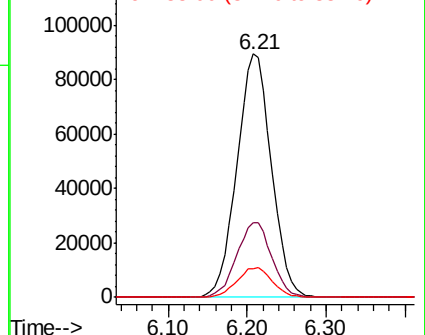
63 100

65 30.6 22.1 41.1

83 11.9 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: 48.526 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.02 min

Lab File: VW011252.D

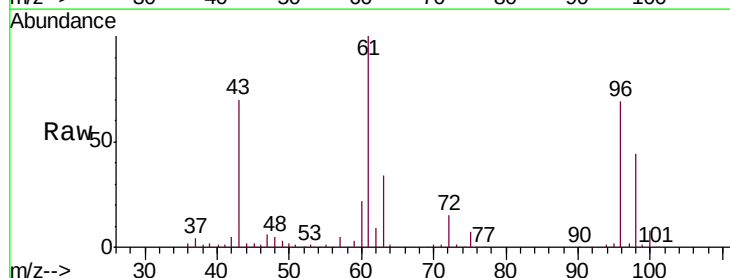
Acq: 15 Jul 2019 10:22

Tgt Ion: 43 Resp: 145767

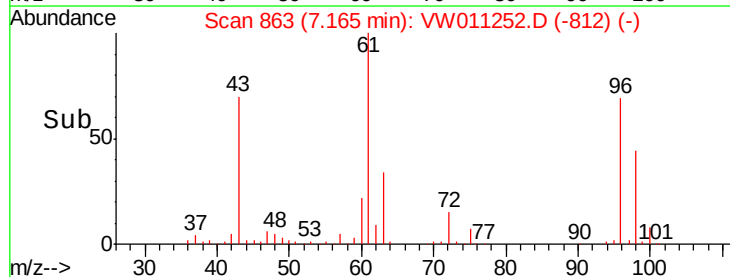
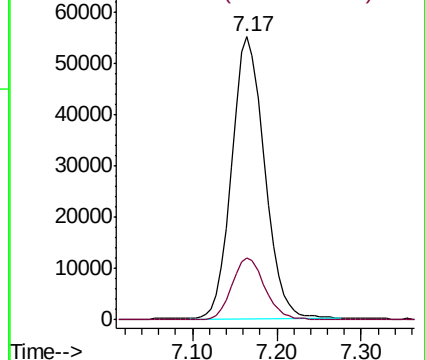
Ion Ratio Lower Upper

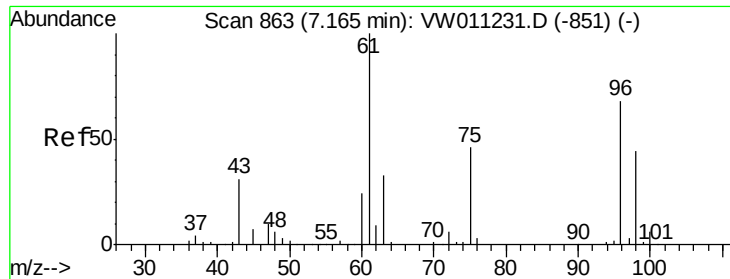
43 100

72 22.1 11.2 33.6



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



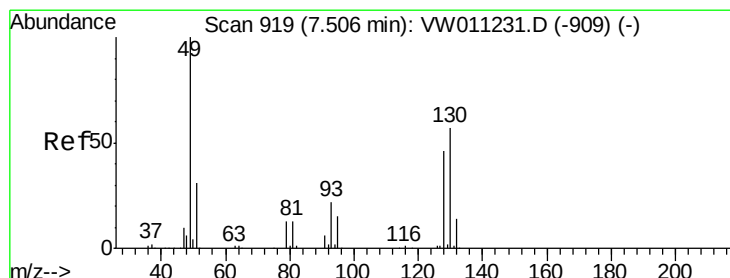
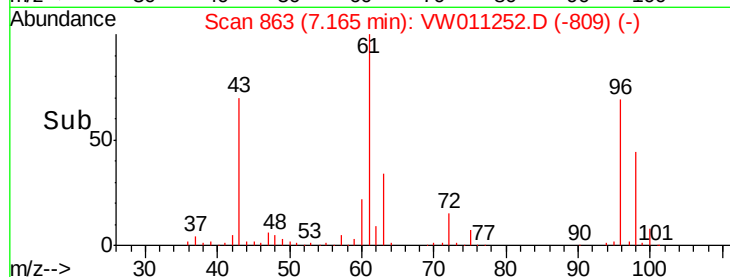
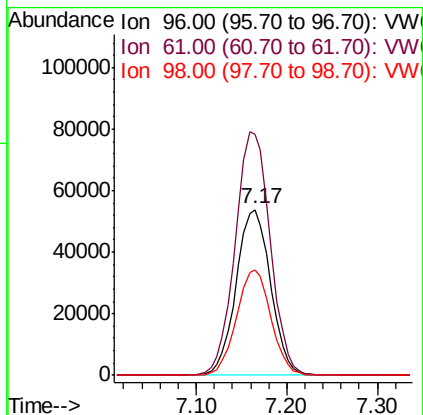
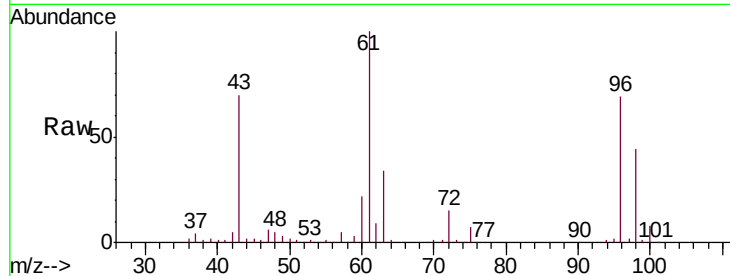


#22

cis-1,2-Dichloroethene
 Concen: 25.061 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02560

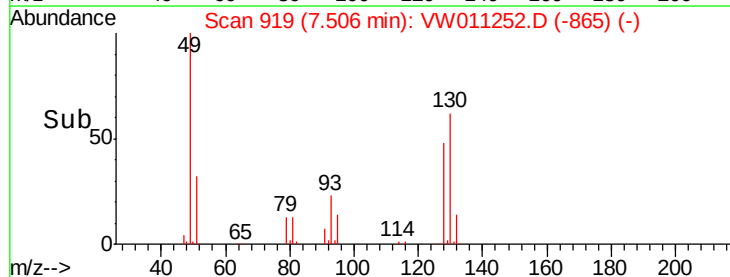
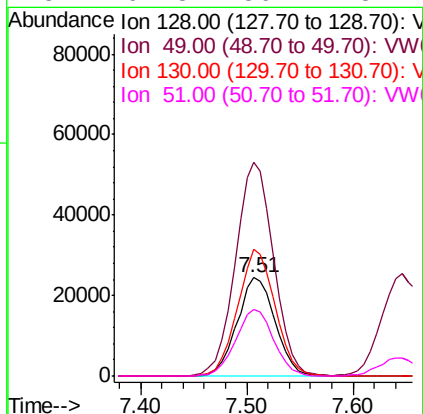
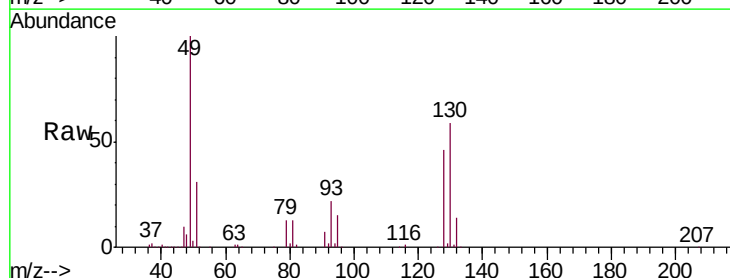
Tgt Ion: 96 Resp: 142676
 Ion Ratio Lower Upper
 96 100
 61 145.8 103.2 191.6
 98 64.0 44.8 83.2

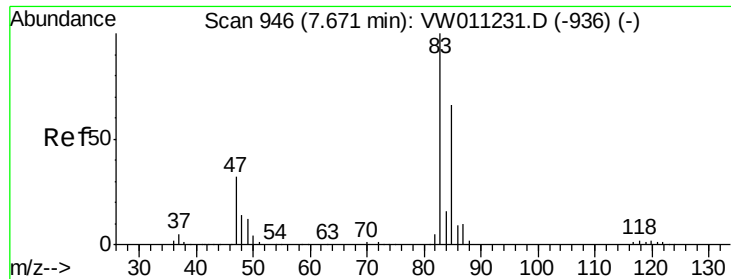


#23

Bromochloromethane
 Concen: 25.584 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

Tgt Ion: 128 Resp: 61117
 Ion Ratio Lower Upper
 128 100
 49 217.6 153.8 285.6
 130 128.7 86.4 160.4
 51 67.8 56.2 84.4

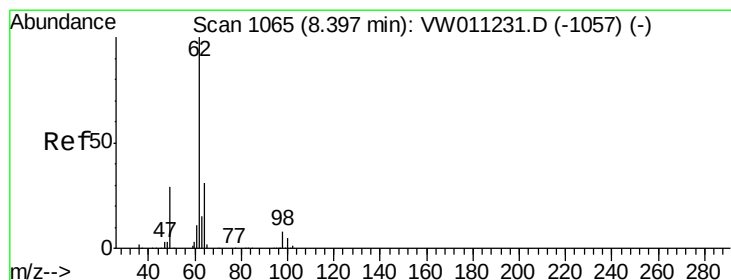
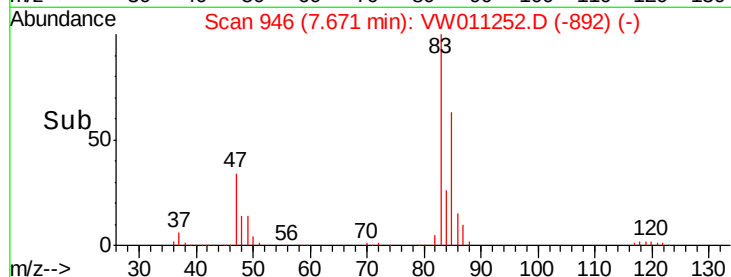
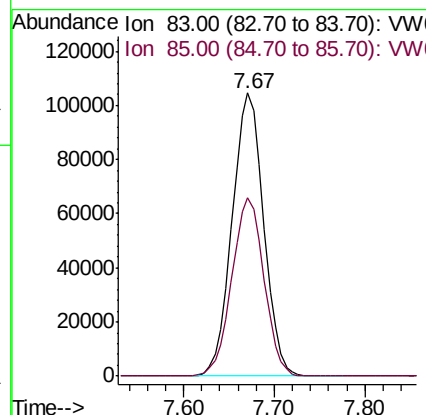
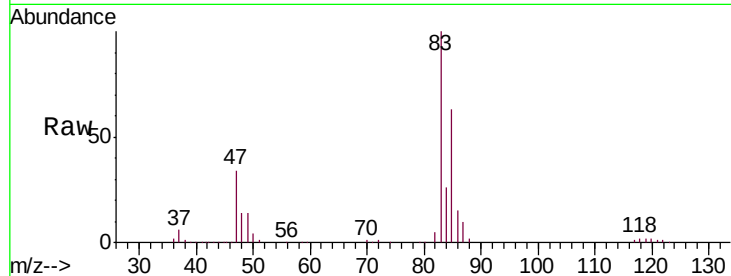




#25
Chloroform
Concen: 24.904 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

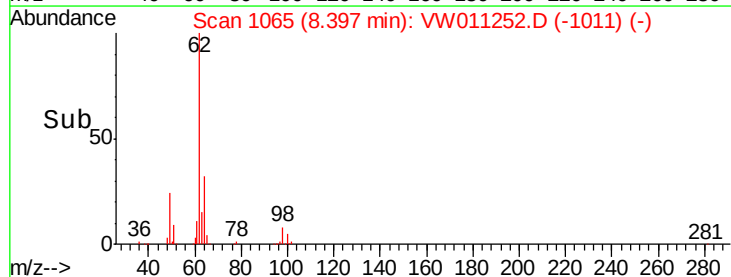
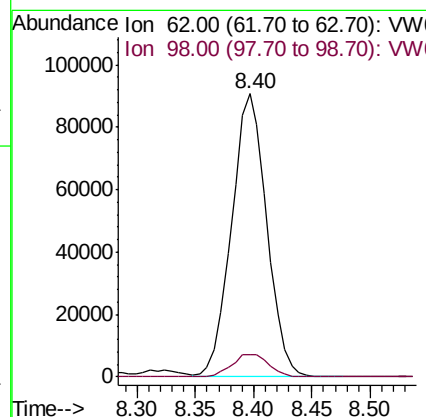
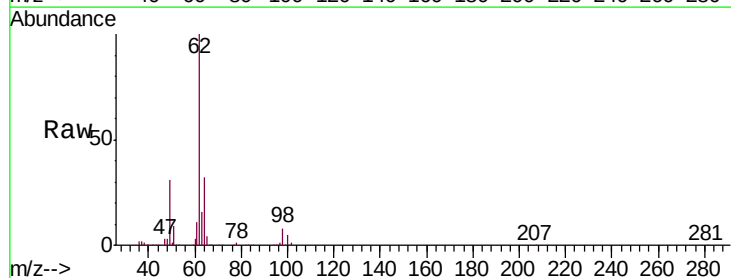
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

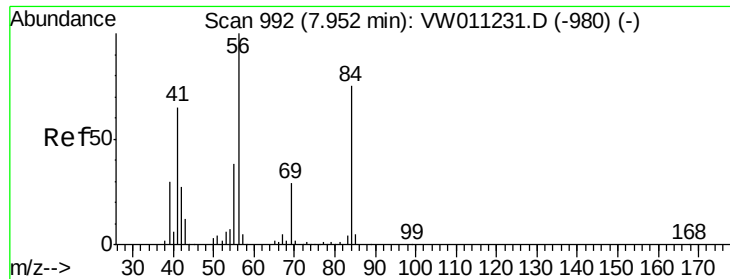
Tgt Ion: 83 Resp: 251875
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 24.634 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion: 62 Resp: 190454
Ion Ratio Lower Upper
62 100
98 7.9 6.6 10.0

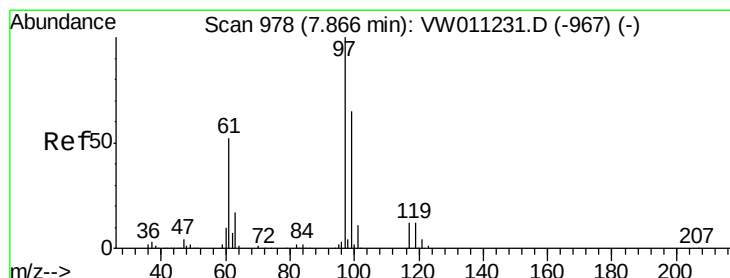
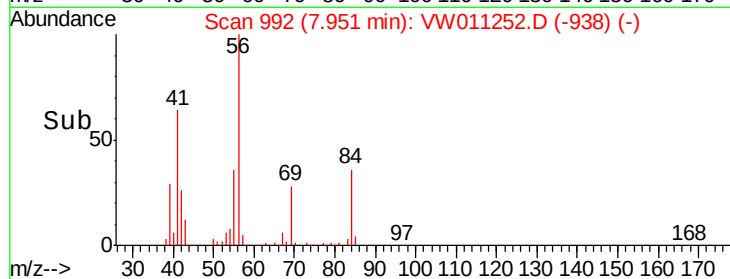
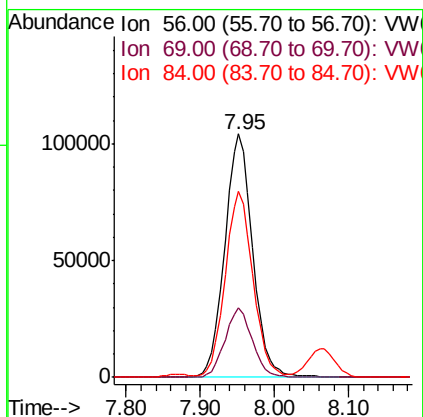
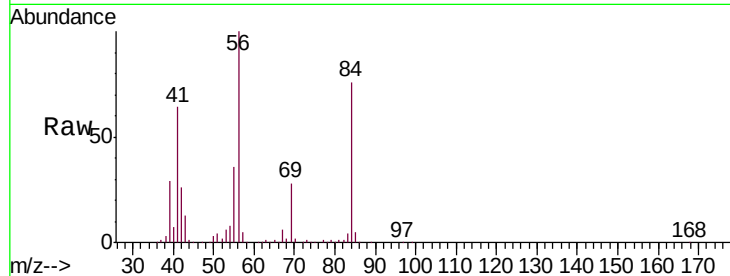




#30
Cyclohexane
Concen: 25.465 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

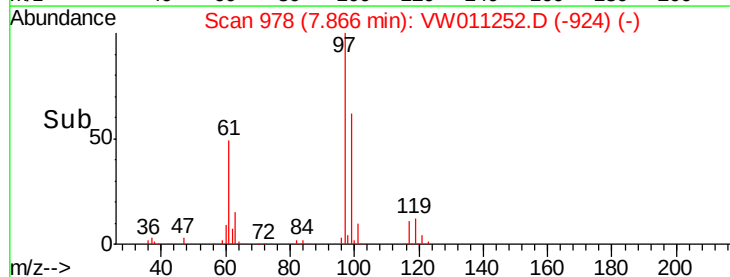
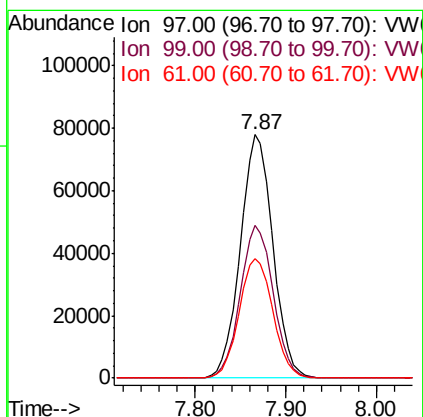
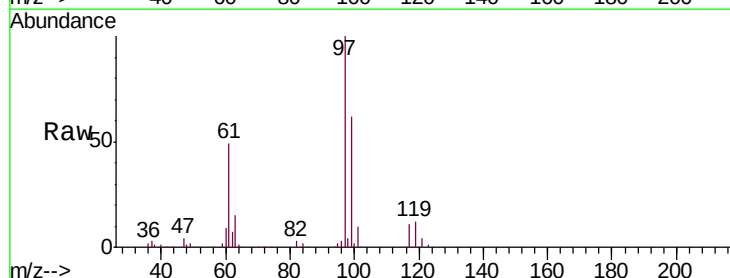
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

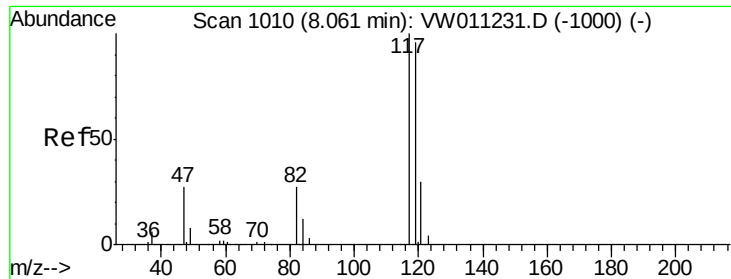
Tgt Ion: 56 Resp: 272620
Ion Ratio Lower Upper
56 100
69 28.0 22.5 33.7
84 75.8 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 26.557 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion: 97 Resp: 194082
Ion Ratio Lower Upper
97 100
99 63.6 50.6 75.8
61 50.9 40.9 61.3





#32

Carbon tetrachloride

Concen: 26.511 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

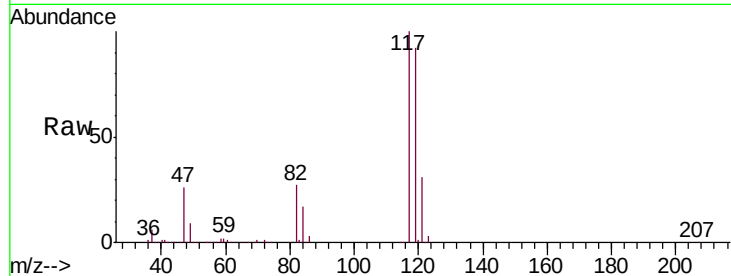
VSTD02560

Tgt Ion:117 Resp: 181703

Ion Ratio Lower Upper

117 100

119 94.2 77.4 116.0

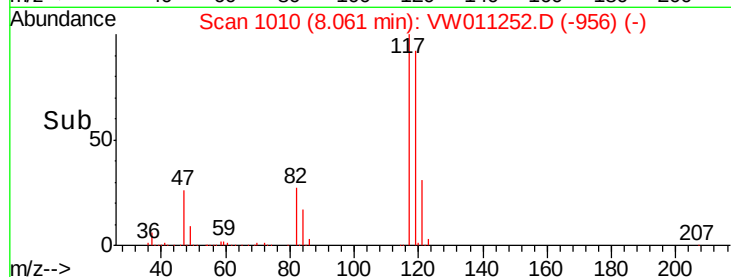


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

Time-->



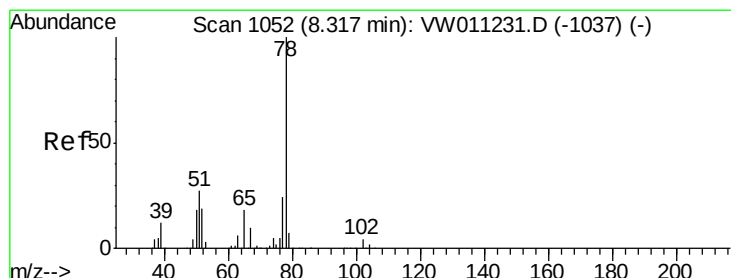
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

Time-->



#34

Benzene

Concen: 25.705 ug/L

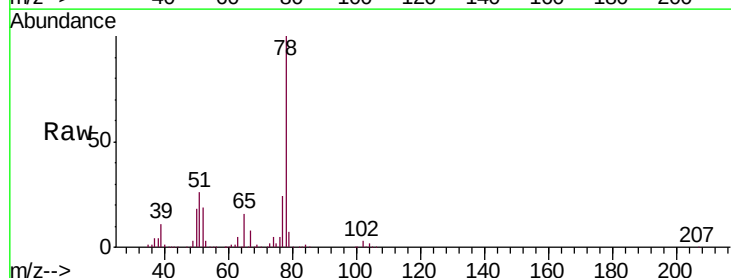
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Tgt Ion: 78 Resp: 565685



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

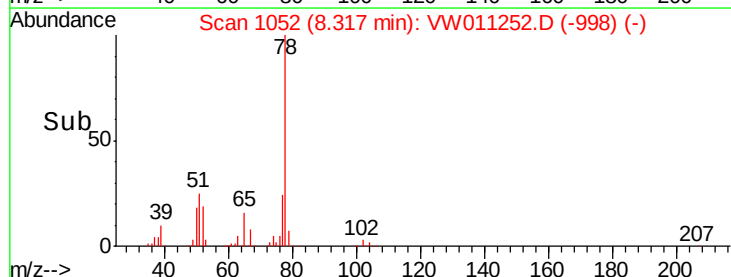
100000

50000

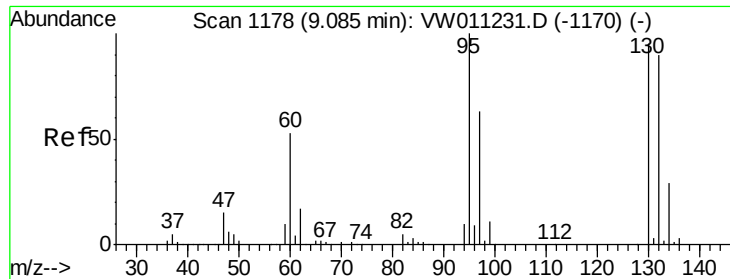
0

8.32

Time-->



Time-->



#35

Trichloroethene

Concen: 25.534 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

VSTD02560

Tgt Ion: 95 Resp: 141801

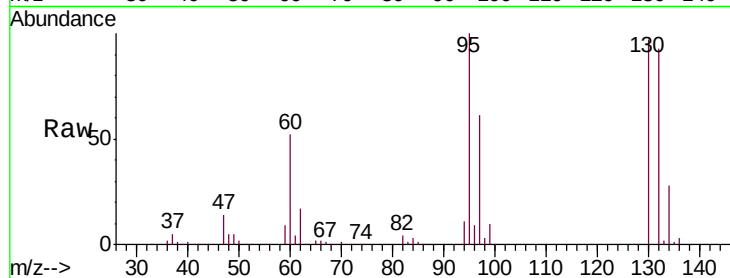
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.2

132 92.8 65.0 120.8

130 95.6 67.8 126.0

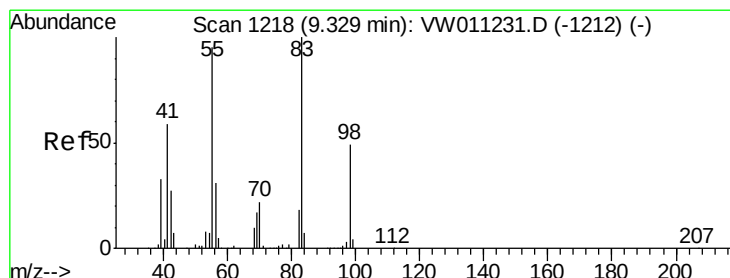
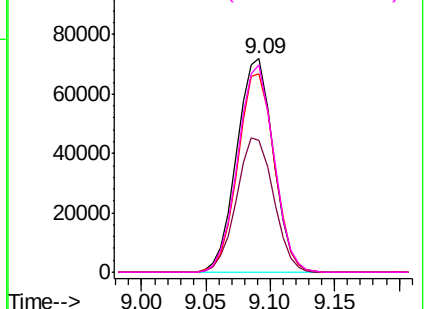
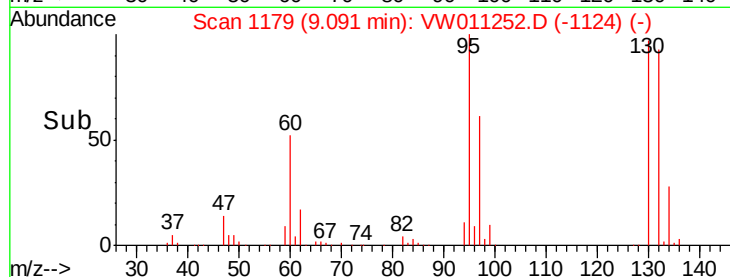


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.682 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

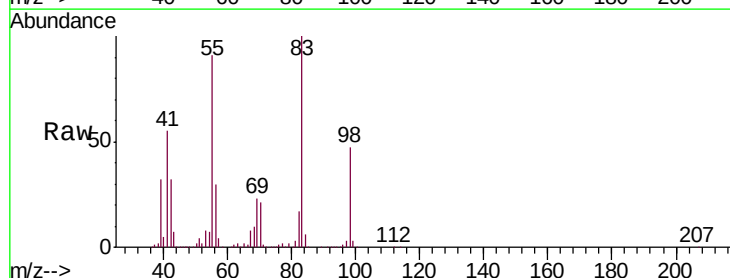
Tgt Ion: 83 Resp: 256665

Ion Ratio Lower Upper

83 100

55 89.7 72.2 108.4

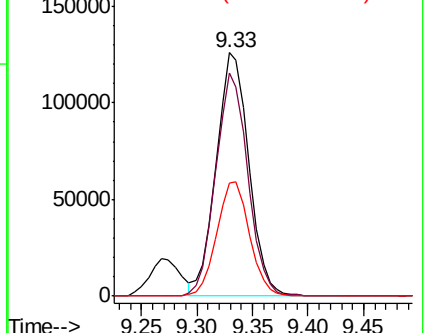
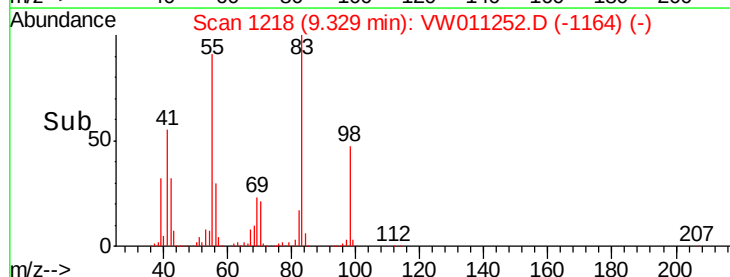
98 47.1 38.2 57.4

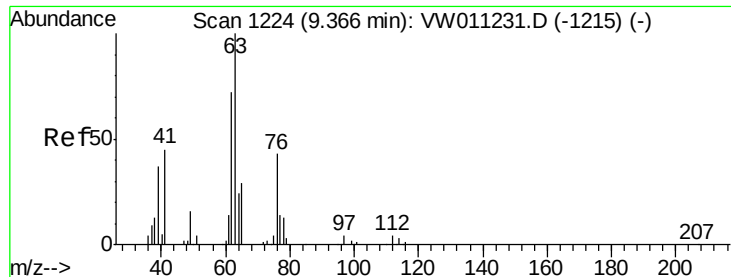


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.775 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

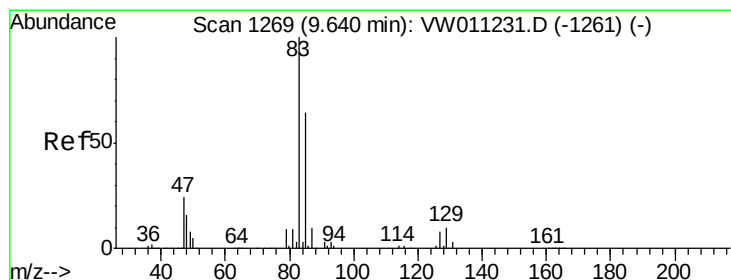
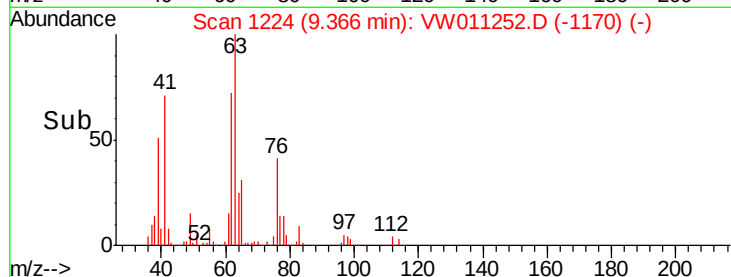
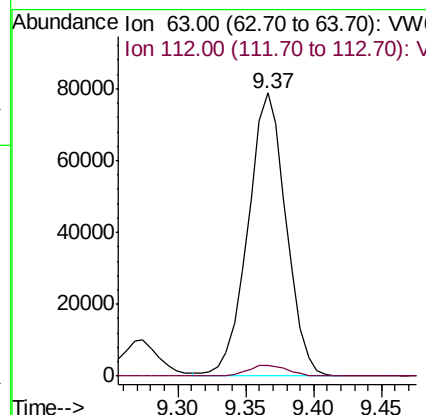
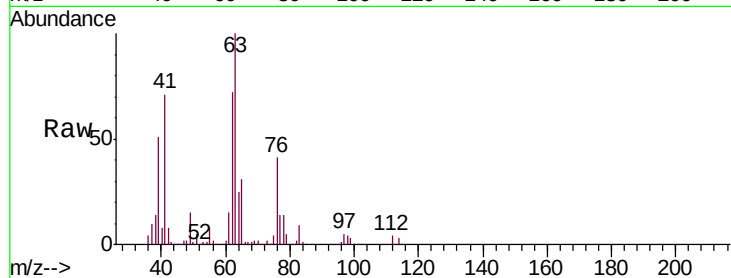
VSTD02560

Tgt Ion: 63 Resp: 155433

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#41

Bromodichloromethane

Concen: 26.431 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

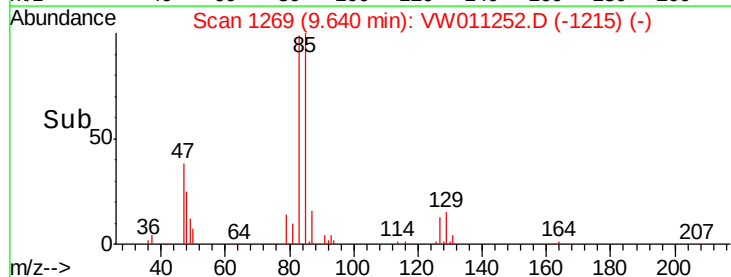
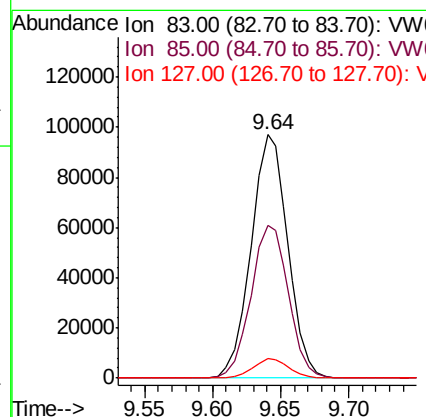
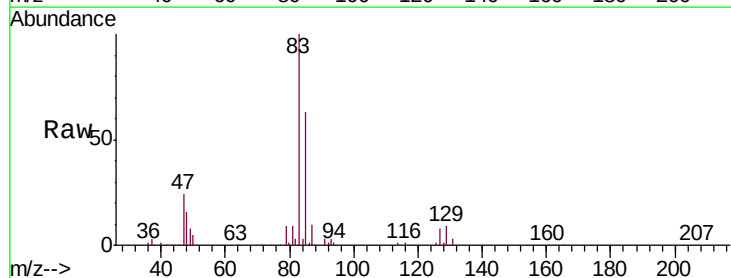
Tgt Ion: 83 Resp: 183761

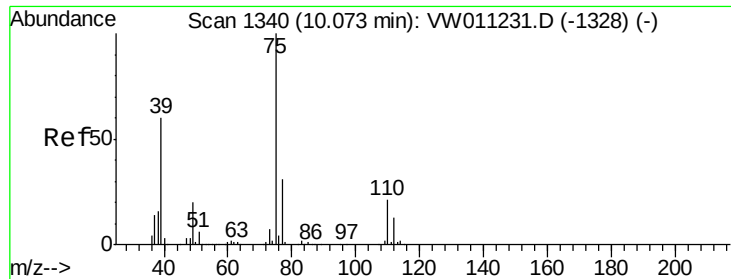
Ion Ratio Lower Upper

83 100

85 62.5 45.5 84.5

127 8.2 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 26.887 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

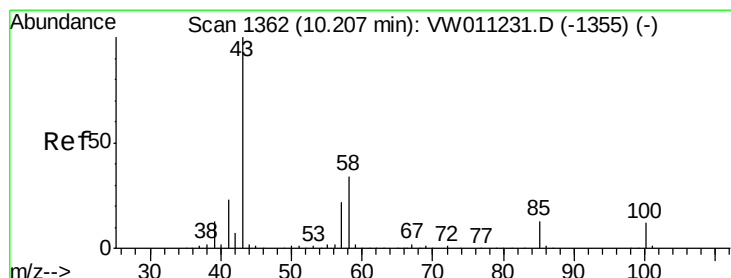
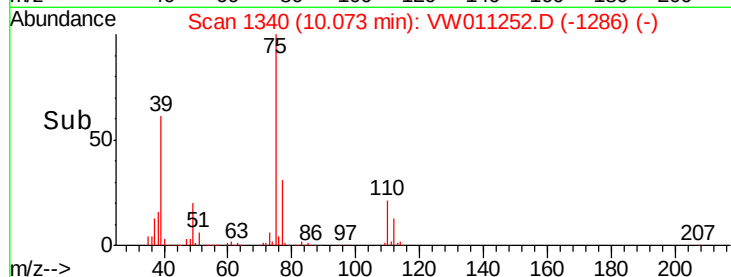
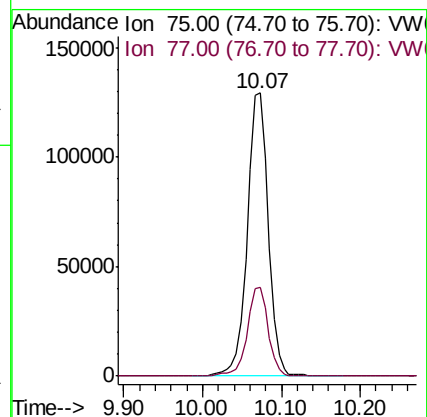
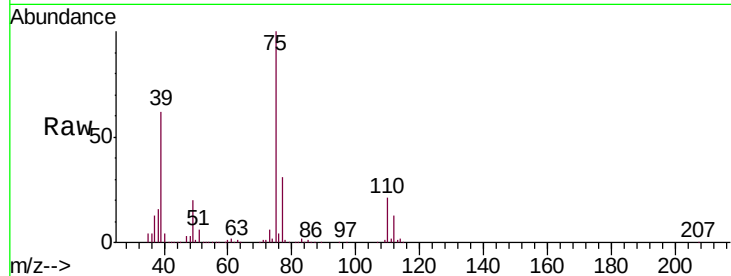
VSTD02560

Tgt Ion: 75 Resp: 239233

Ion Ratio Lower Upper

75 100

77 31.2 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 50.301 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

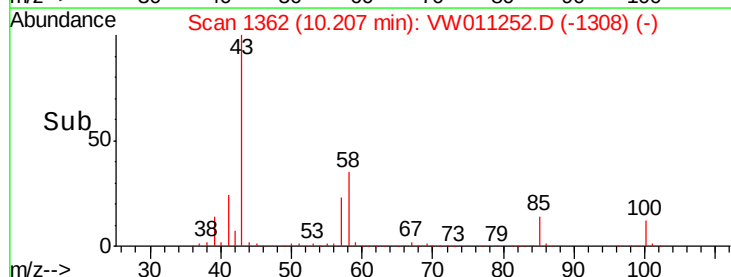
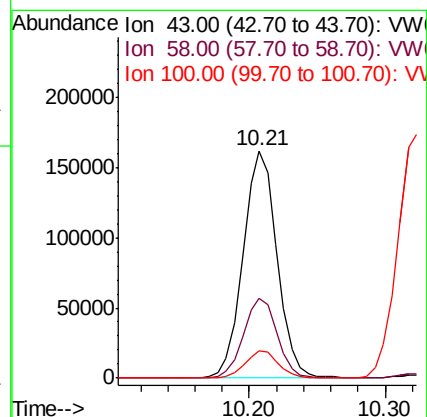
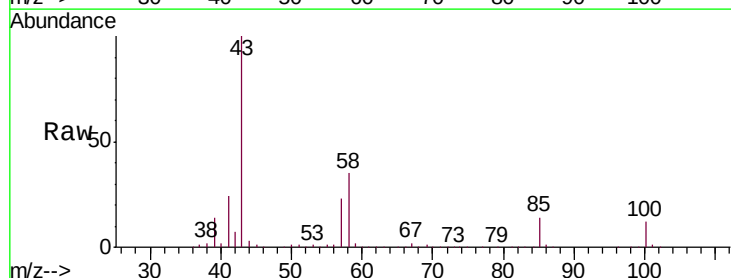
Tgt Ion: 43 Resp: 281189

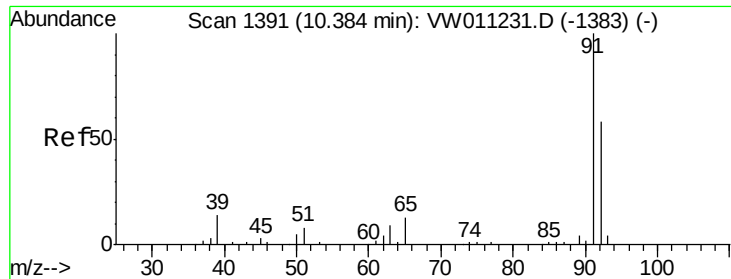
Ion Ratio Lower Upper

43 100

58 35.1 28.1 42.1

100 12.0 9.3 13.9





#44

Toluene

Concen: 25.760 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

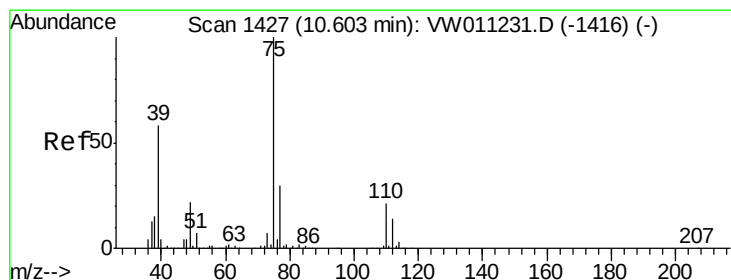
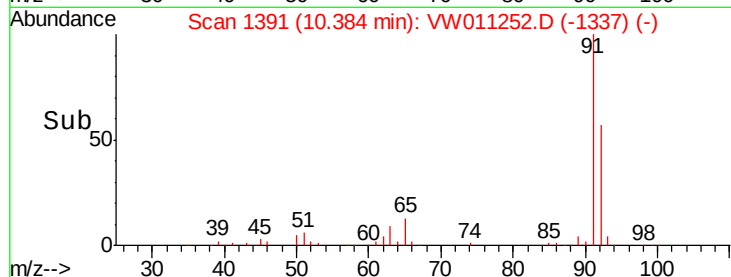
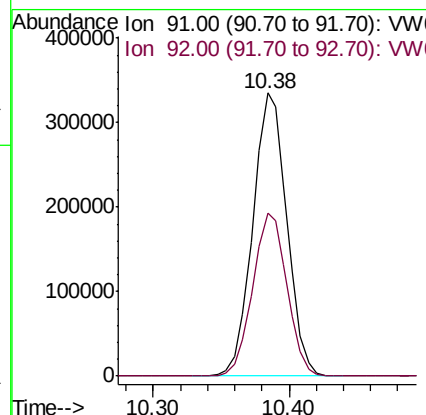
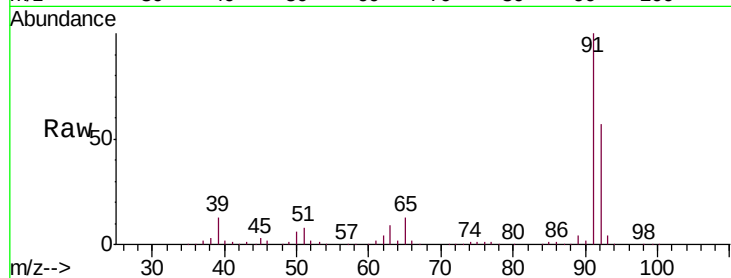
VSTD02560

Tgt Ion: 91 Resp: 586782

Ion Ratio Lower Upper

91 100

92 57.4 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 26.806 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011252.D

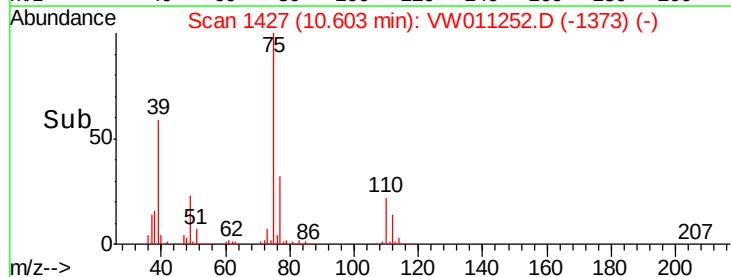
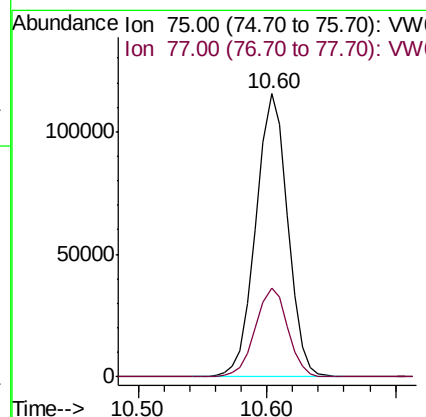
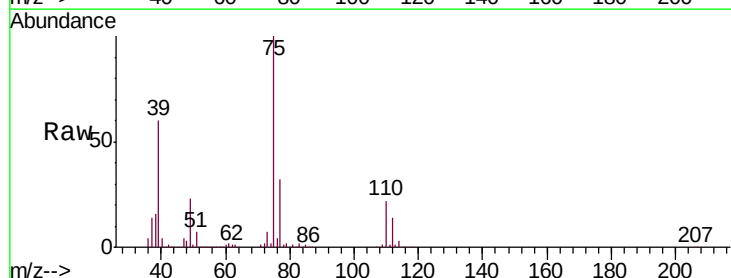
Acq: 15 Jul 2019 10:22

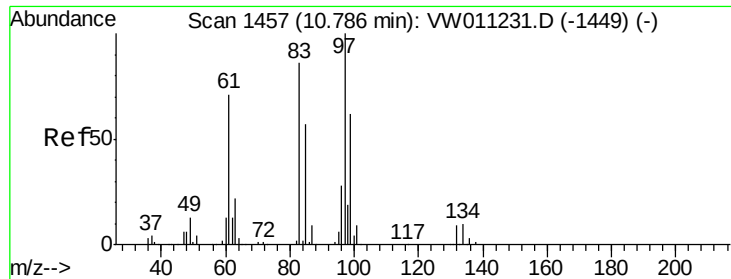
Tgt Ion: 75 Resp: 197351

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5

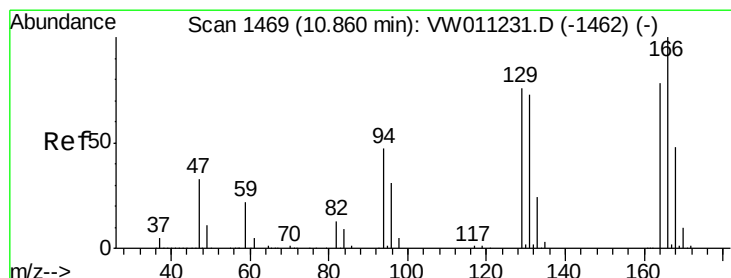
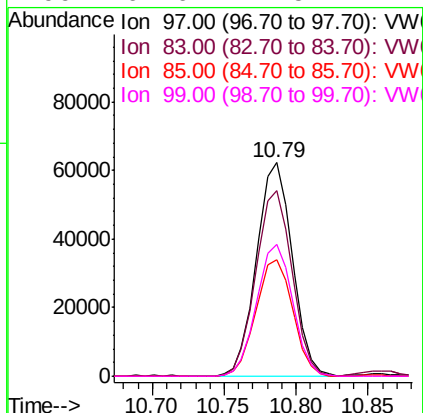
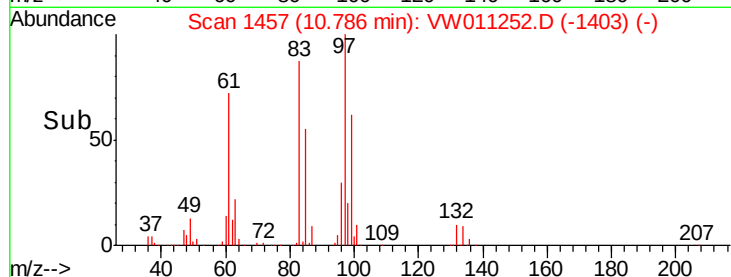
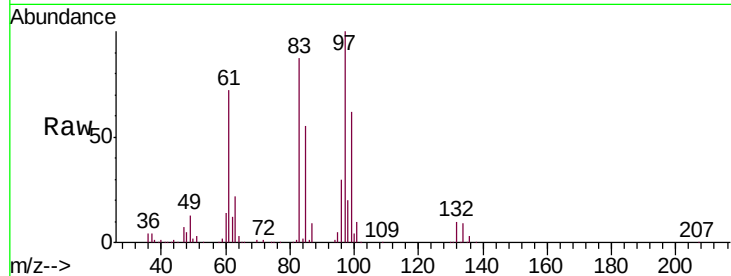




#46
1,1,2-Trichloroethane
Concen: 25.652 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

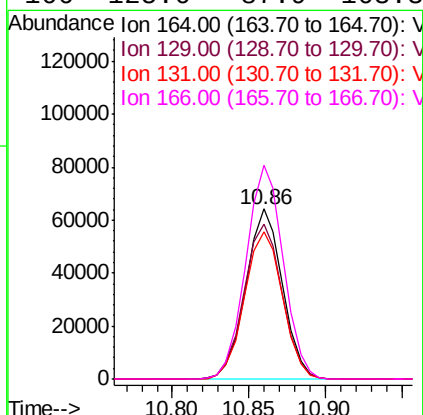
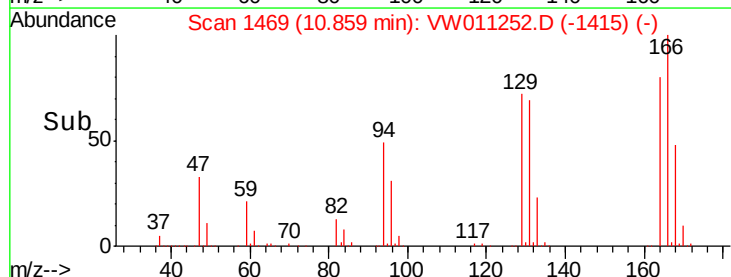
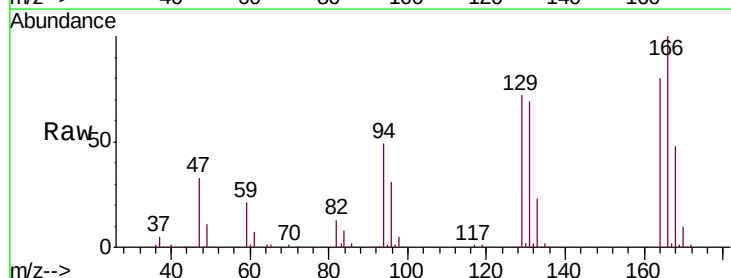
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

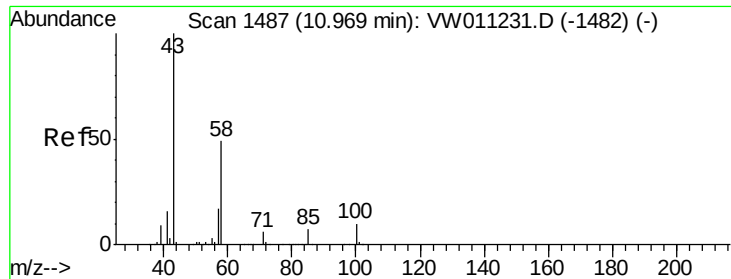
Tgt Ion:	97	Resp:	107122
Ion	Ratio	Lower	Upper
97	100		
83	86.8	63.1	117.3
85	54.8	39.0	72.4
99	61.6	41.5	77.1



#47
Tetrachloroethene
Concen: 25.477 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion:	164	Resp:	106931
Ion	Ratio	Lower	Upper
164	100		
129	90.7	68.5	127.1
131	86.8	64.8	120.4
166	125.6	87.9	163.3

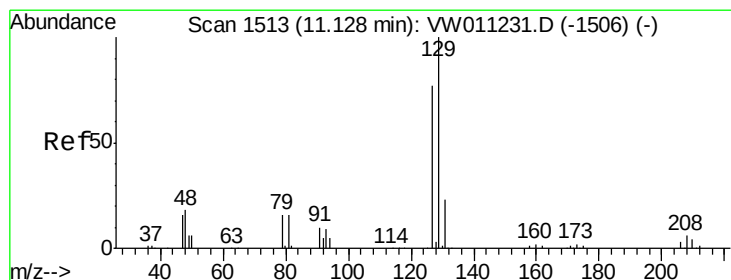
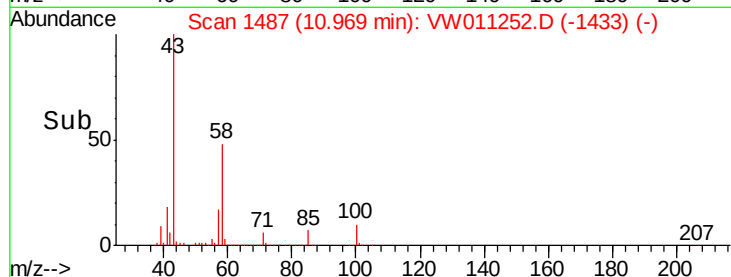
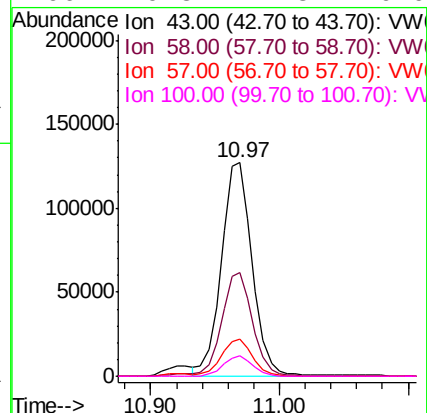
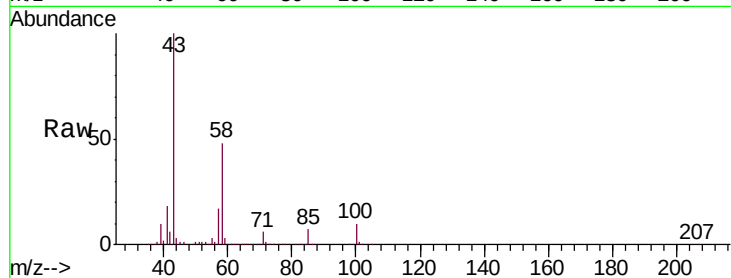




#49
2-Hexanone
Concen: 52.530 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

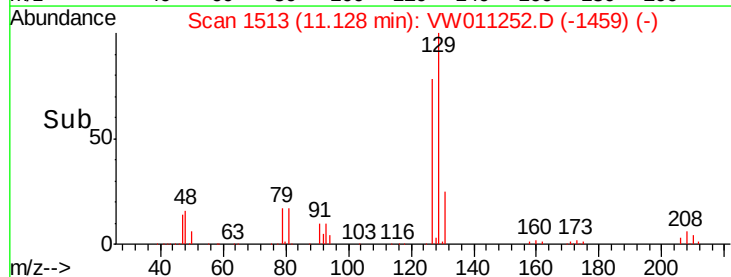
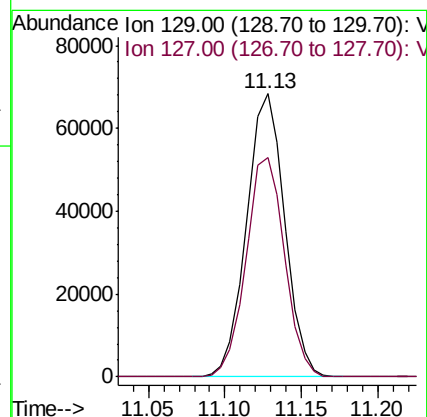
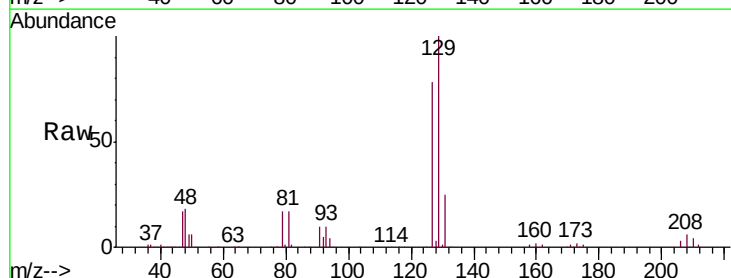
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

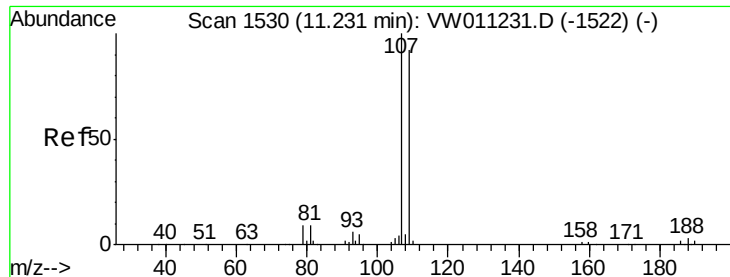
Tgt Ion: 43 Resp: 213748
Ion Ratio Lower Upper
43 100
58 47.7 38.4 57.6
57 17.3 13.3 19.9
100 9.3 7.3 10.9



#50
Dibromochloromethane
Concen: 26.650 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion: 129 Resp: 118510
Ion Ratio Lower Upper
129 100
127 77.6 53.3 99.1

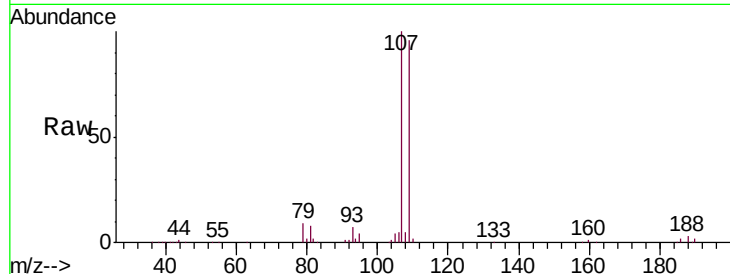




#51
1,2-Dibromoethane
Concen: 25.445 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	64.3	119.3
188	3.3	3.2	4.8

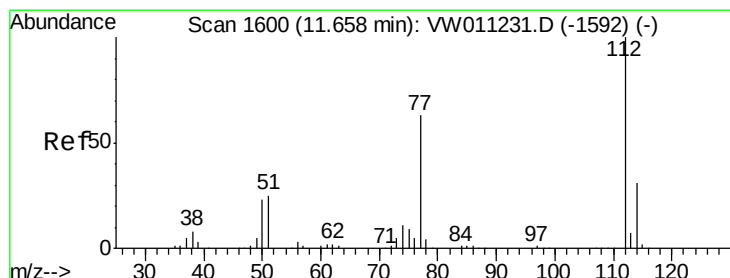
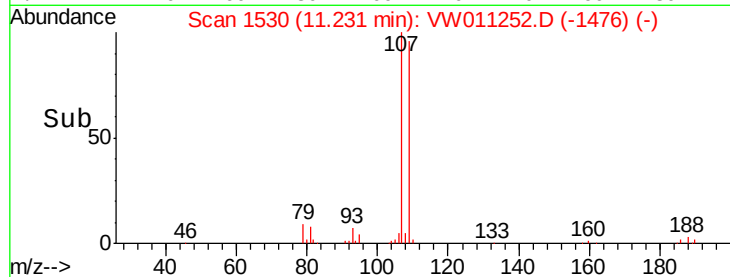
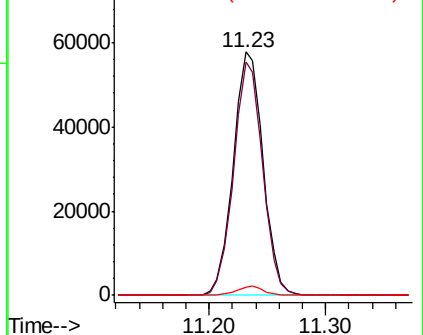


Abundance

Ion 107.00 (106.70 to 107.70): V

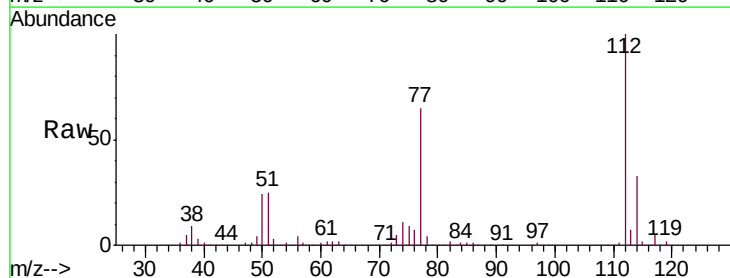
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52
Chlorobenzene
Concen: 25.375 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.6	51.2	76.8
114	32.7	22.0	40.8

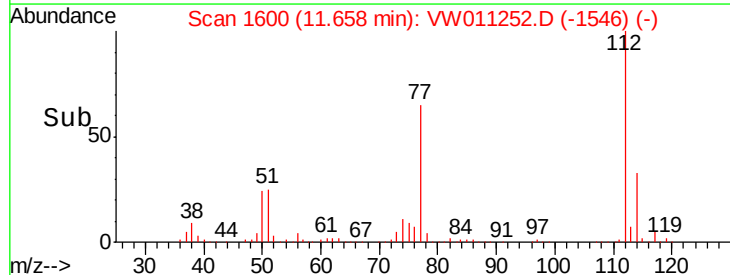
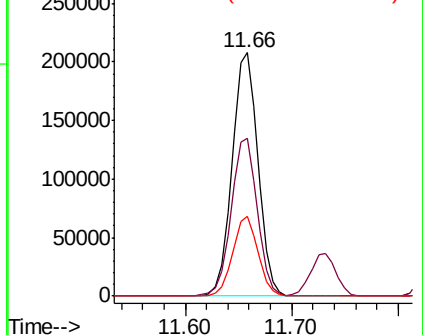


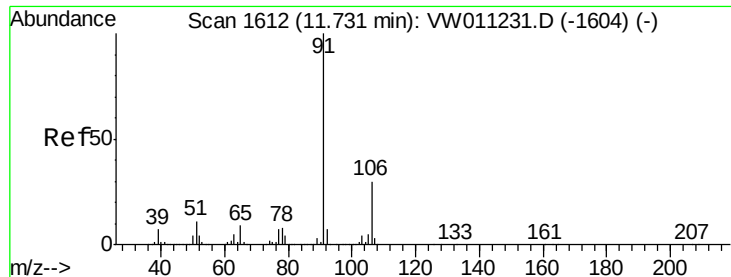
Abundance

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

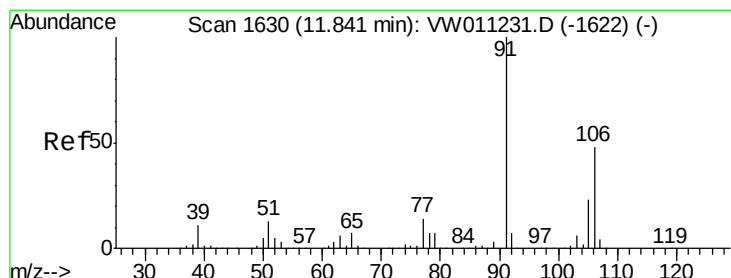
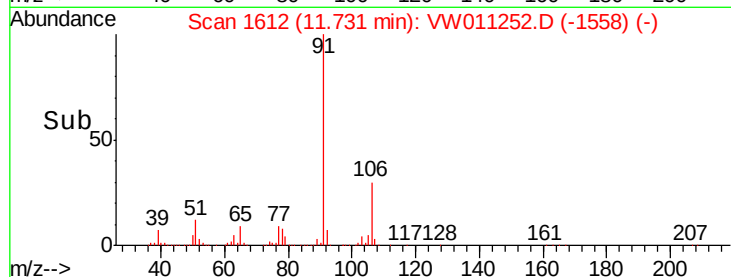
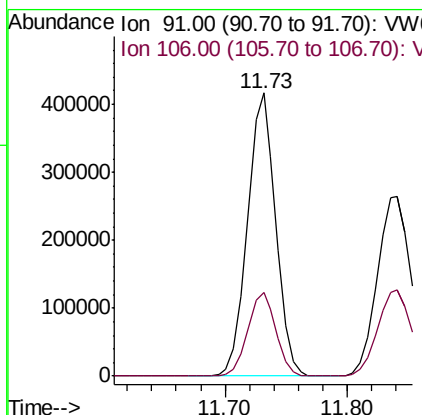
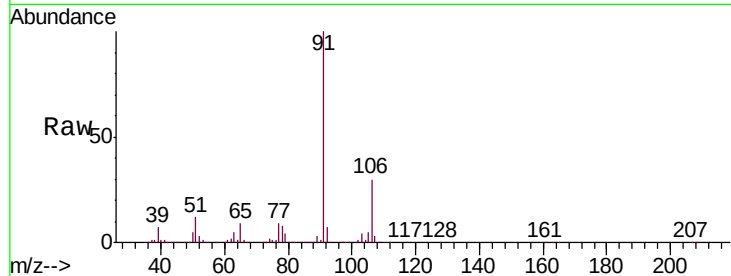




#53
Ethylbenzene
Concen: 25.841 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

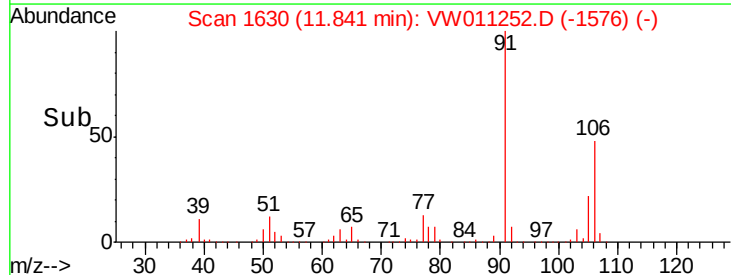
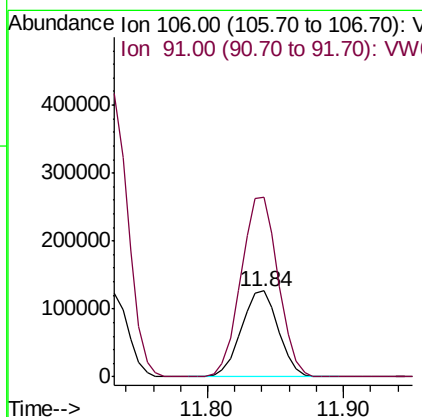
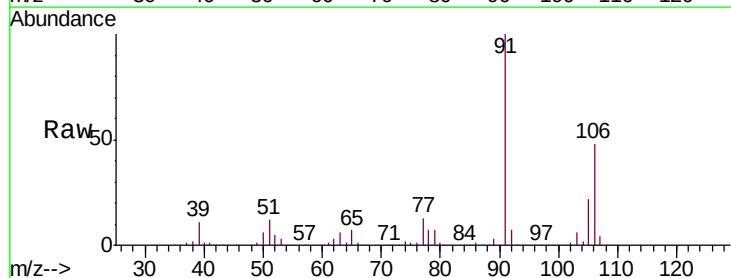
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

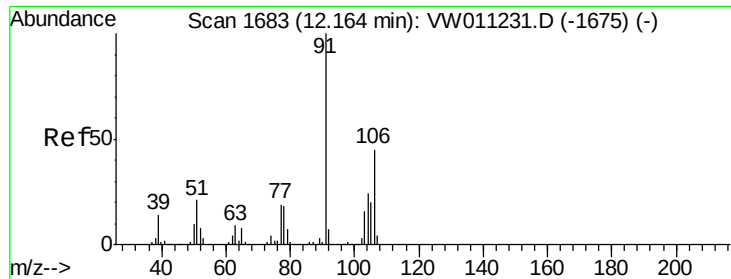
Tgt Ion: 91 Resp: 667673
Ion Ratio Lower Upper
91 100
106 29.5 20.6 38.4



#54
m,p-Xylene
Concen: 25.800 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion: 106 Resp: 242021
Ion Ratio Lower Upper
106 100
91 209.0 142.6 264.8

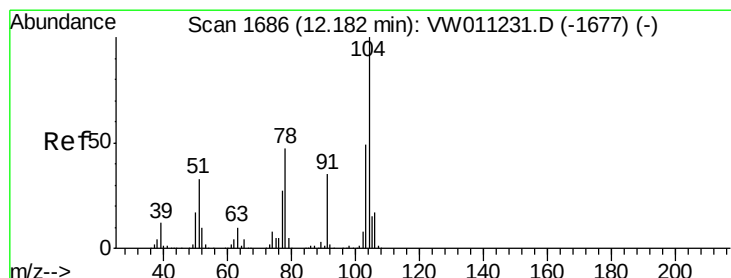
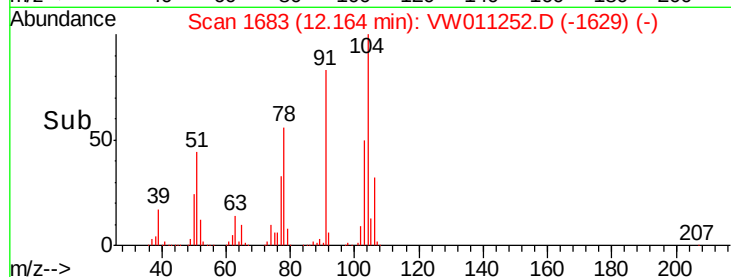
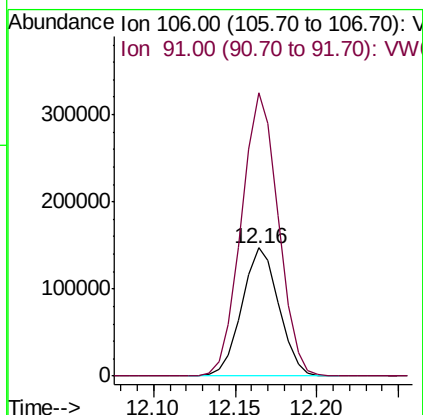
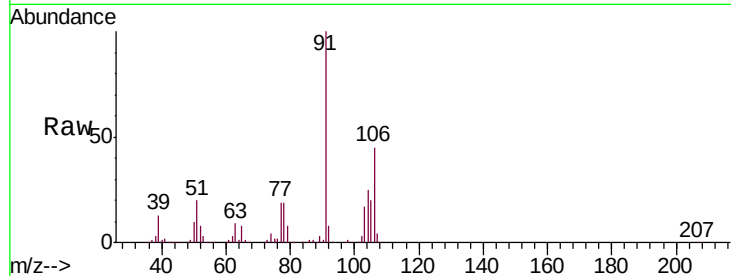




#55
o-xylene
Concen: 26.108 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

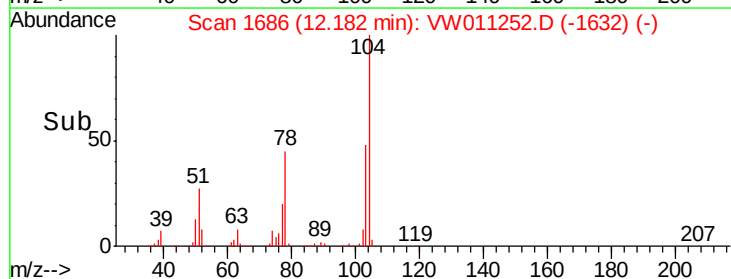
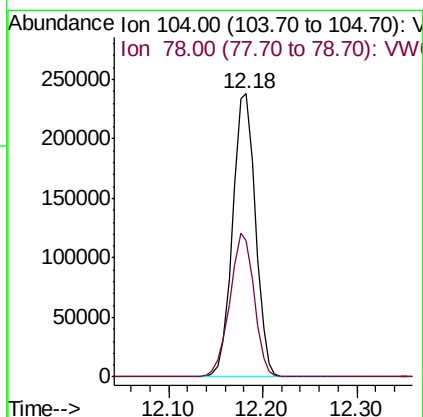
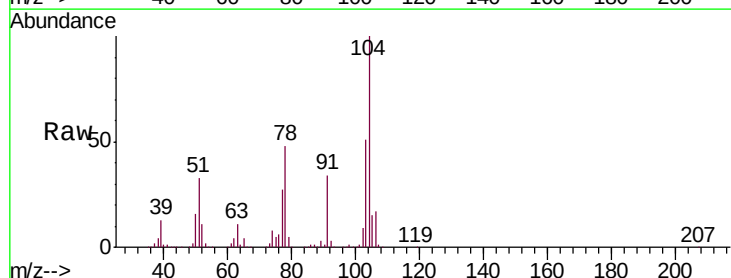
Instrument :
MSVOA_W
ClientSampleId :
VSTD02560

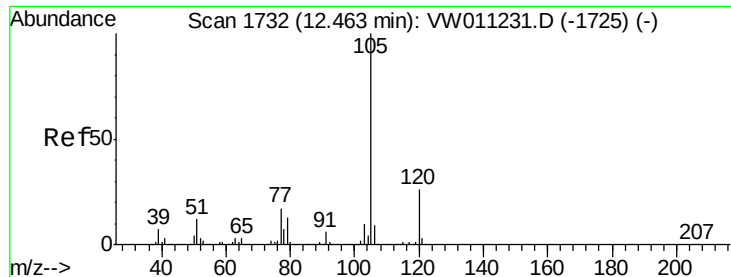
Tgt Ion:106 Resp: 232987
Ion Ratio Lower Upper
106 100
91 220.7 154.6 287.2



#56
Styrene
Concen: 26.173 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011252.D
Acq: 15 Jul 2019 10:22

Tgt Ion:104 Resp: 400664
Ion Ratio Lower Upper
104 100
78 48.2 33.7 62.7





#57

Isopropylbenzene

Concen: 26.212 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02560

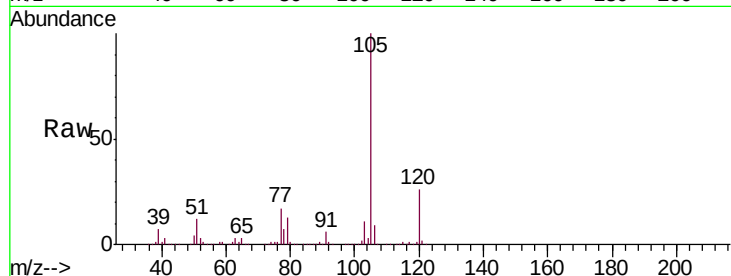
Tgt Ion: 105 Resp: 638528

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

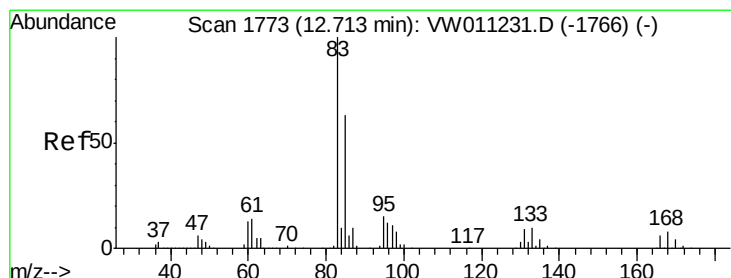
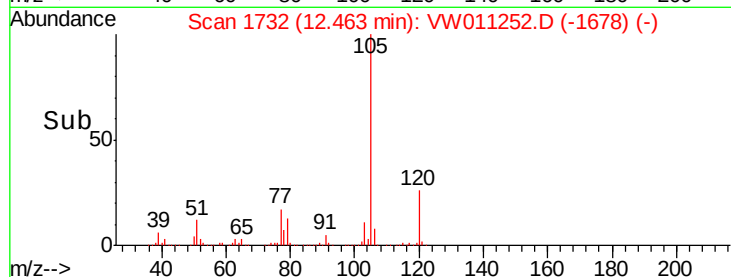
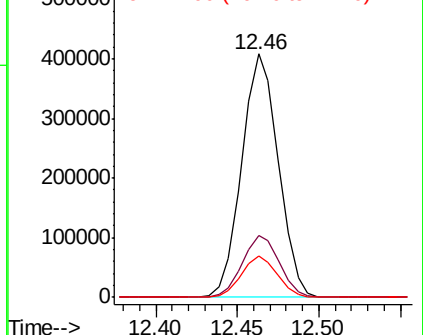
77 16.8 13.5 20.3



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: 25.820 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

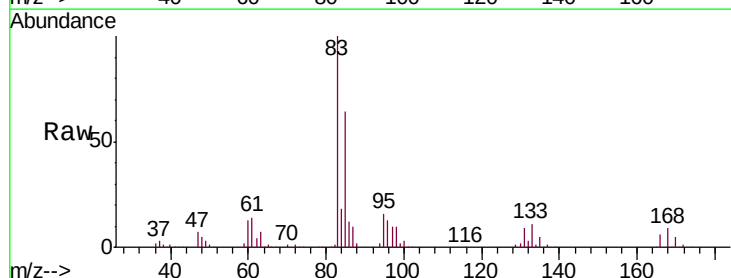
Tgt Ion: 83 Resp: 143441

Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.6

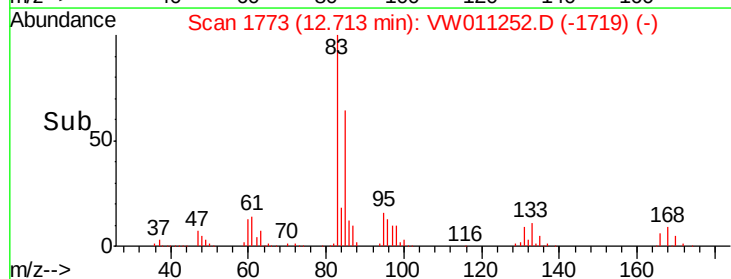
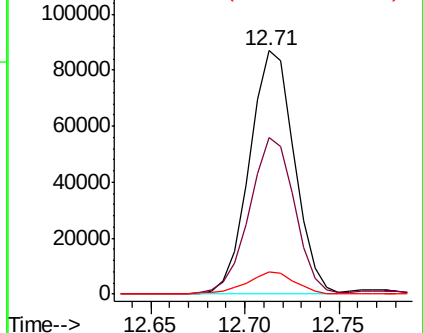
131 8.9 6.7 10.1

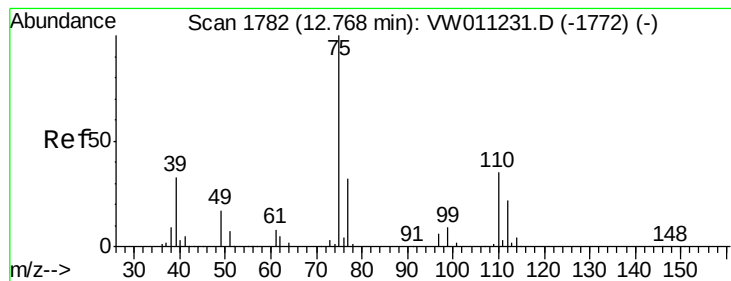


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.431 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

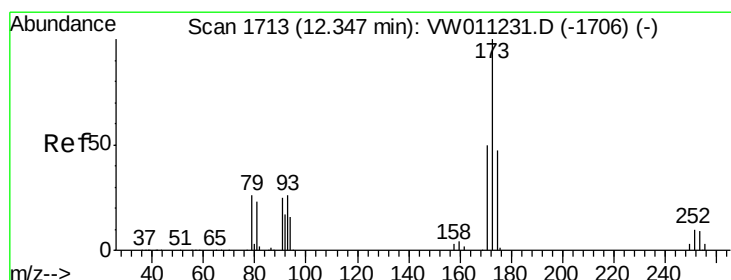
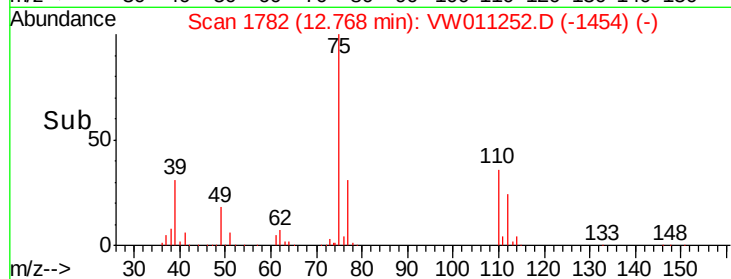
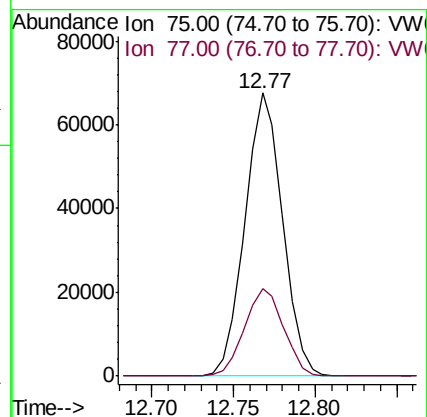
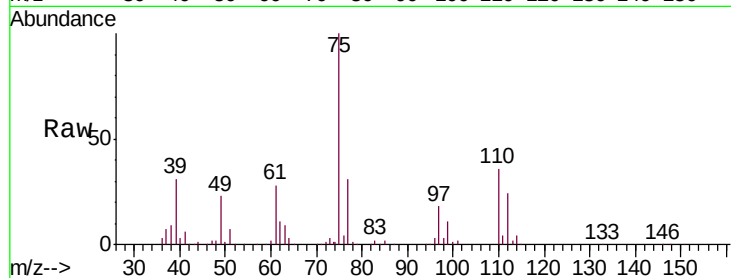
VSTD02560

Tgt Ion: 75 Resp: 108497

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#62

Bromoform

Concen: 27.065 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

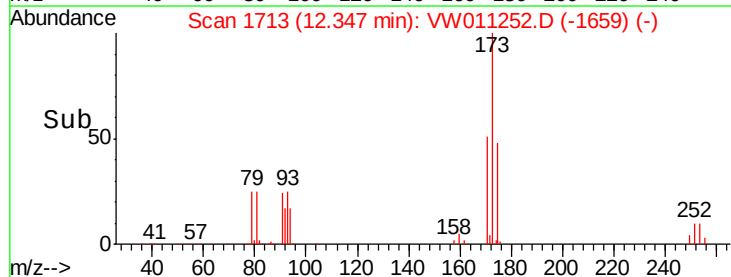
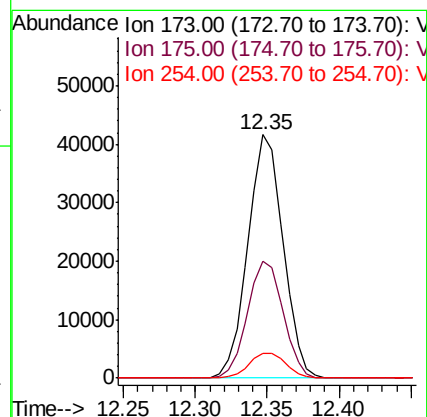
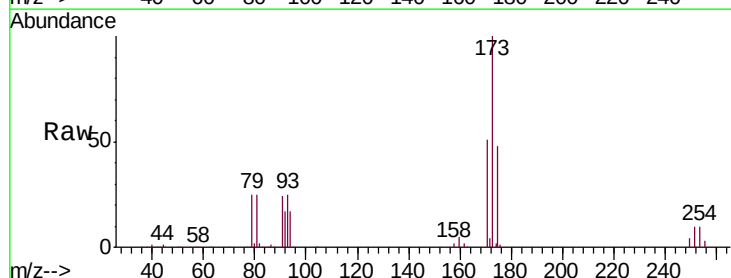
Tgt Ion: 173 Resp: 70423

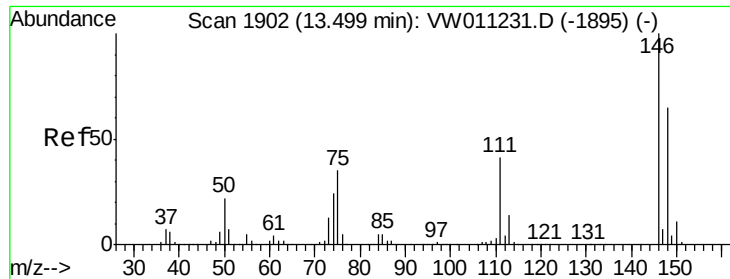
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 10.8 8.5 12.7

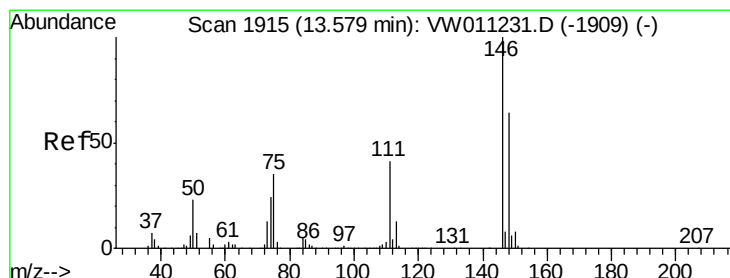
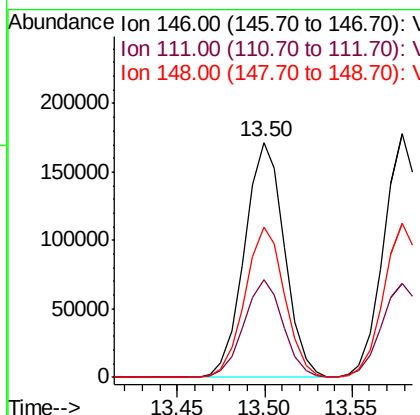
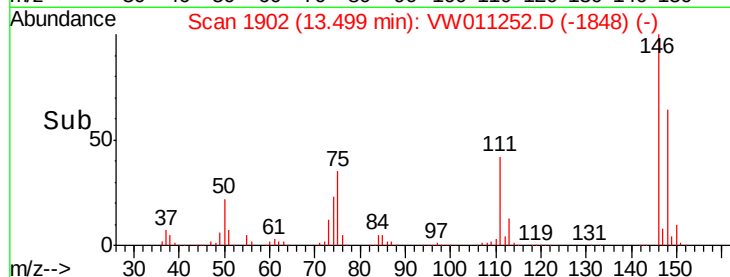
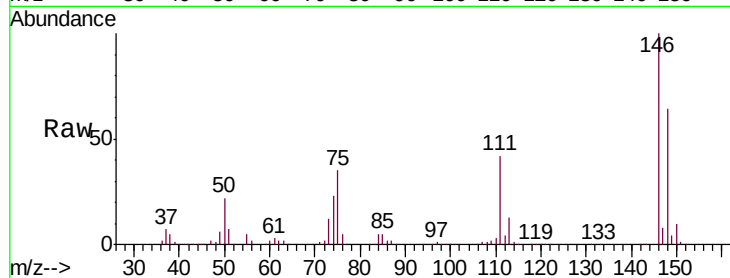




#63
 1,3-Dichlorobenzene
 Concen: 25.422 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

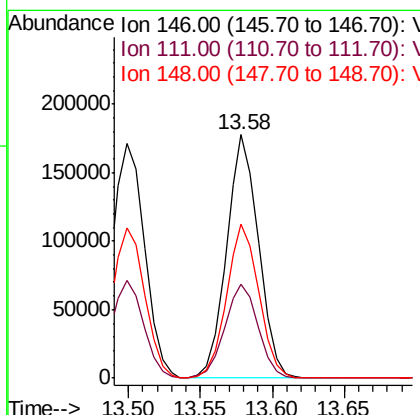
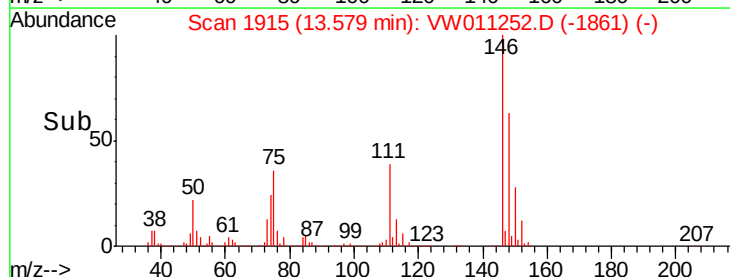
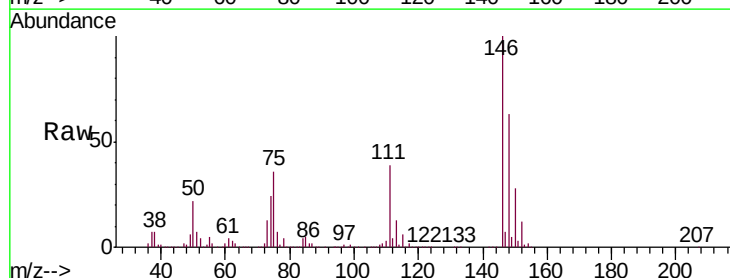
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02560

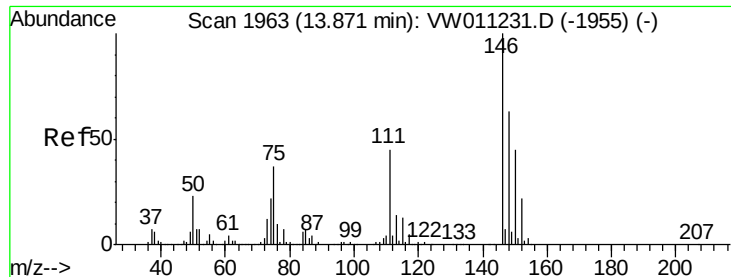
Tgt Ion:146 Resp: 273069
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.0 53.8
 148 64.0 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 25.057 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

Tgt Ion:146 Resp: 275524
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.5 51.1
 148 63.3 43.8 81.3

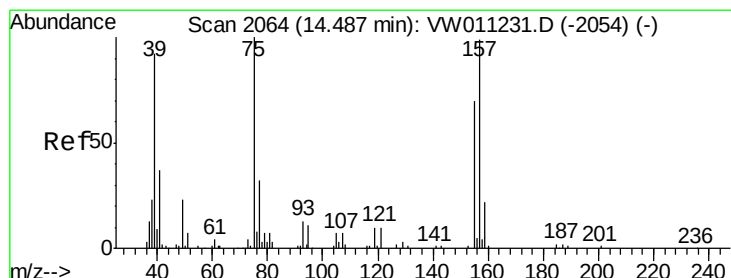
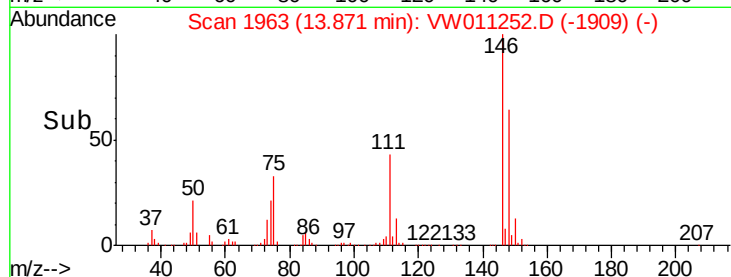
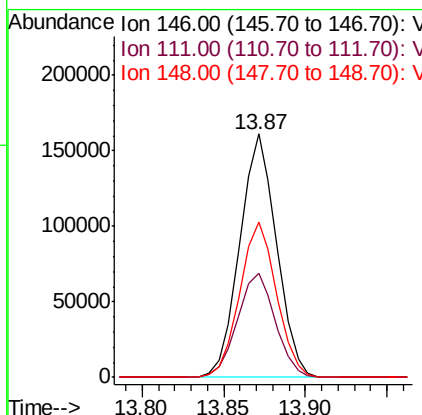
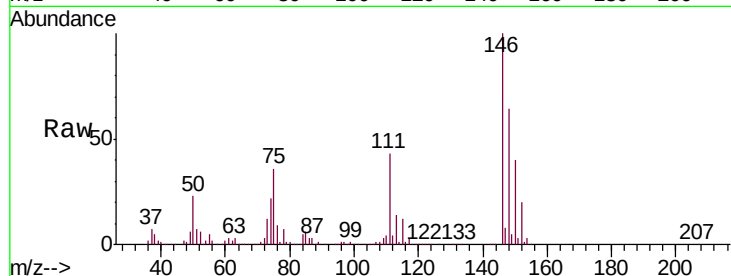




#65
 1,2-Dichlorobenzene
 Concen: 25.267 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

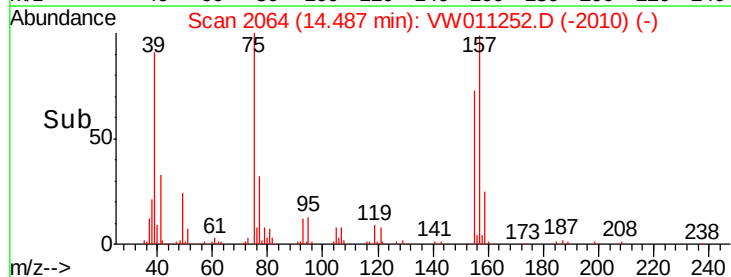
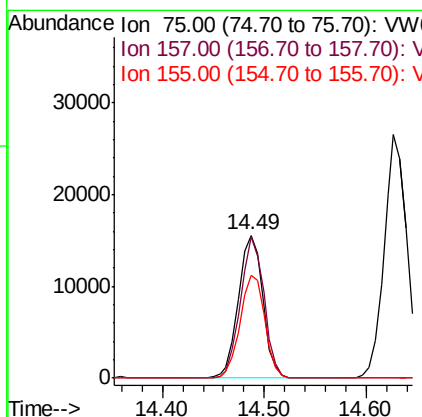
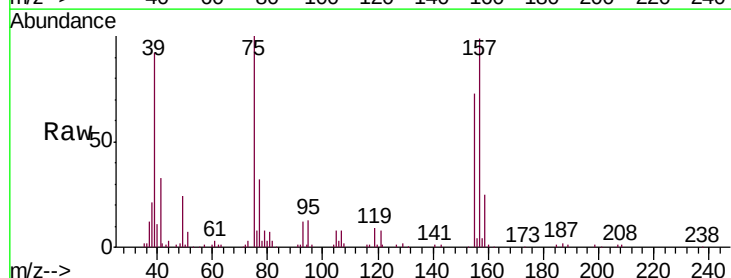
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02560

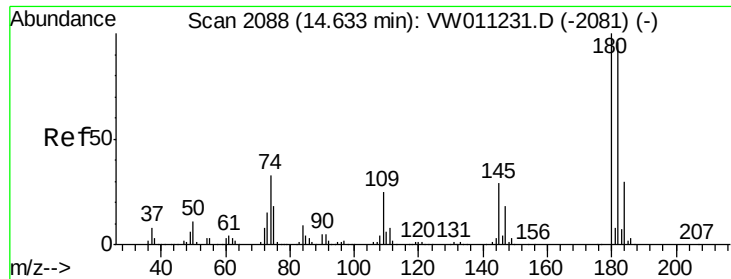
Tgt Ion: 146 Resp: 252634
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.1 51.1
 148 63.9 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.119 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

Tgt Ion: 75 Resp: 25639
 Ion Ratio Lower Upper
 75 100
 157 99.5 75.3 112.9
 155 72.5 60.2 90.2

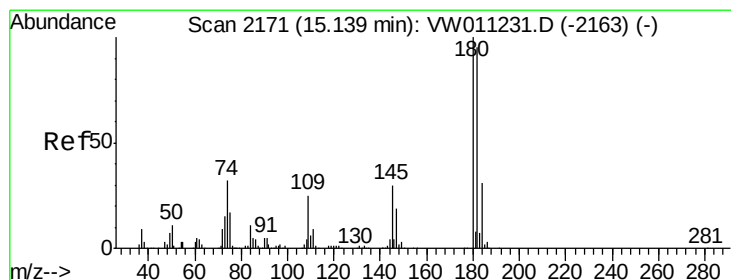
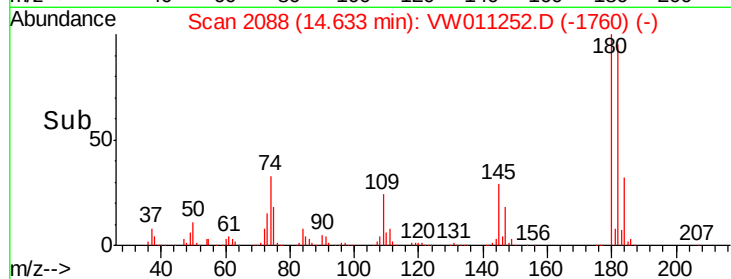
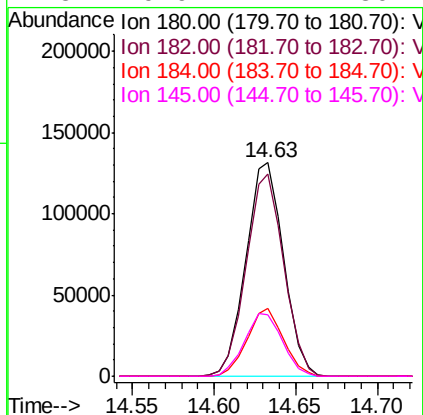
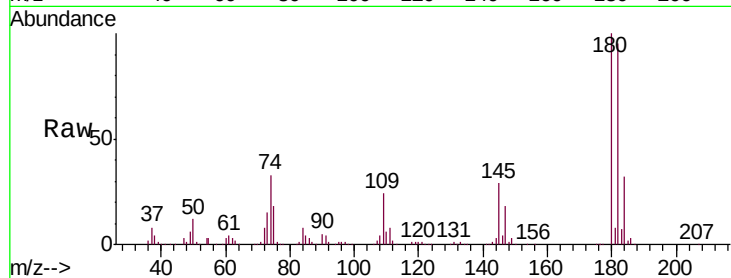




#67
 1,3,5-Trichlorobenzene
 Concen: 25.936 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

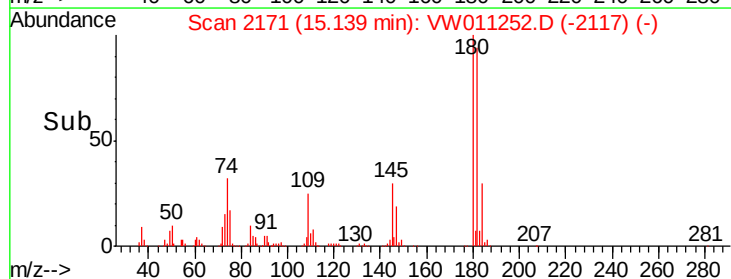
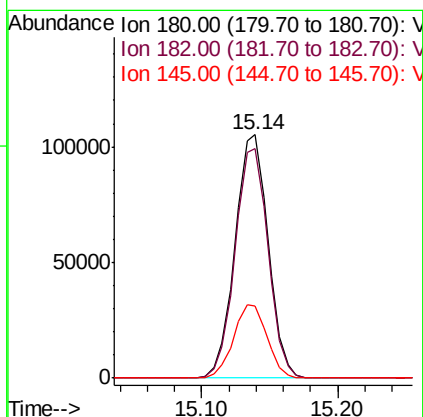
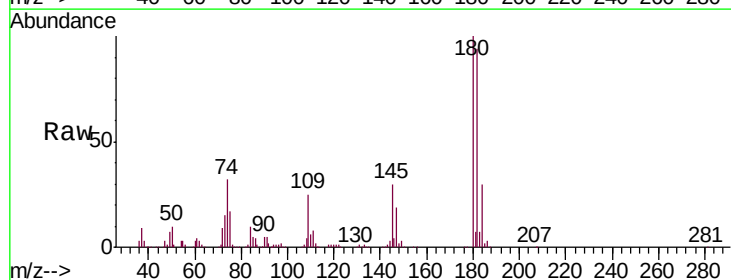
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02560

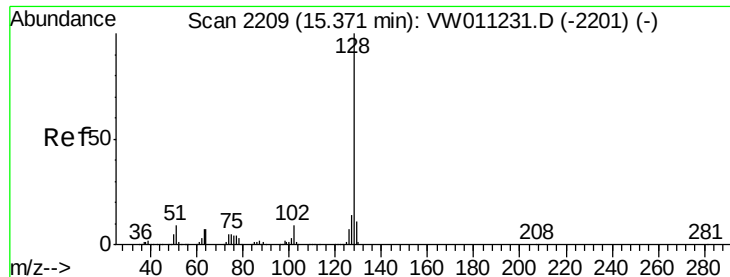
Tgt Ion:	180	Resp:	211078
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.4
184	30.6	24.3	36.5
145	29.9	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 26.193 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011252.D
 Acq: 15 Jul 2019 10:22

Tgt Ion:	180	Resp:	178584
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.0	115.6
145	30.4	24.5	36.7





#69

Naphthalene

Concen: 26.580 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02560

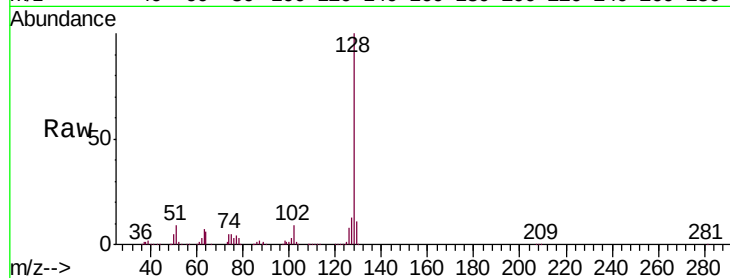
Tgt Ion:128 Resp: 379536

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

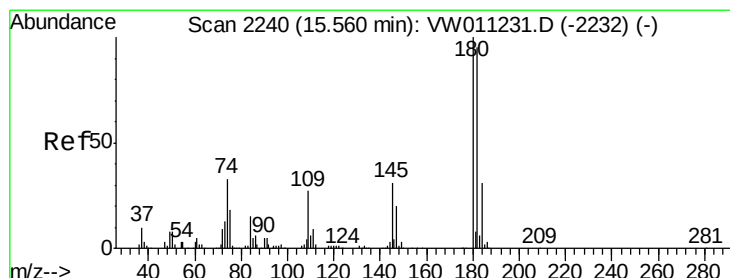
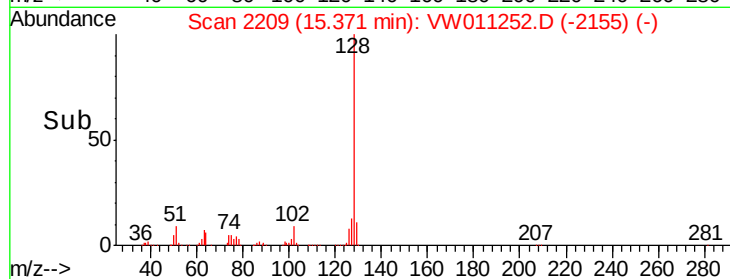
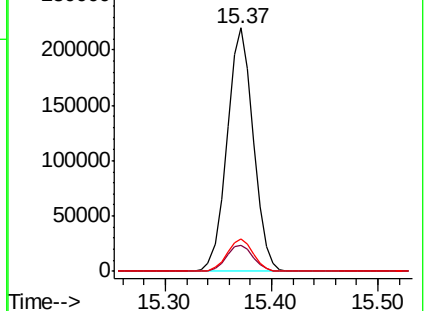
127 13.3 10.6 15.8



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: 25.347 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011252.D

Acq: 15 Jul 2019 10:22

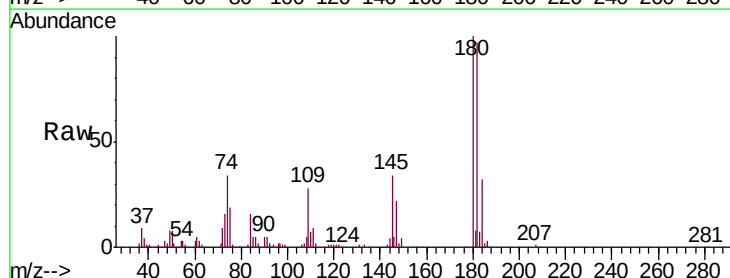
Tgt Ion:180 Resp: 158121

Ion Ratio Lower Upper

180 100

182 96.6 76.4 114.6

145 33.7 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

