

Data File : VW011588.D
Acq On : 31 Jul 2019 17:12
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Quant Time: Aug 01 05:24:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 05:20:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	313155	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	272189	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	135050	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	109479	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.32%
7) Chloroethane-d5	2.89	69	79463	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.08%
10) 1,1-Dichloroethene-d2	4.02	63	252840	25.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.04%
20) 2-Butanone-d5	7.07	46	137701	69.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.70%#
24) Chloroform-d	7.65	84	210840	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	8.30	65	125141	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	8.27	84	427291	24.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.84%
33) 1,2-Dichloropropane-d6	9.27	67	137717	24.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.68%
37) Toluene-d8	10.32	98	380725	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.24%
38) trans-1,3-Dichloropropene-	10.58	79	59278	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.92%
39) 2-Hexanone-d5	10.92	63	85822	66.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125476	27.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	123626	23.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	90718	25.848	ug/L 99
3) Chloromethane	2.21	50	110846	24.281	ug/L 98
5) Vinyl chloride	2.36	62	147177	25.269	ug/L 99
6) Bromomethane	2.78	94	67914	24.733	ug/L 100
8) Chloroethane	2.92	64	75536	24.797	ug/L 100
9) Trichlorofluoromethane	3.25	101	71772	24.190	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	113914	25.324	ug/L 95
12) 1,1-Dichloroethene	4.04	96	113318	25.195	ug/L 90
13) Acetone	4.11	43	140534	66.087	ug/L 98
14) Carbon disulfide	4.38	76	363068	24.785	ug/L 99
15) Methyl Acetate	4.67	43	106408	30.605	ug/L 100
16) Methylene chloride	4.91	84	118329	24.213	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	176863	23.613	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	115626	24.882	ug/L 100
19) 1,1-Dichloroethane	6.21	63	228245	24.587	ug/L 99
21) 2-Butanone	7.16	43	175534	65.838	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	120036	24.691	ug/L 97

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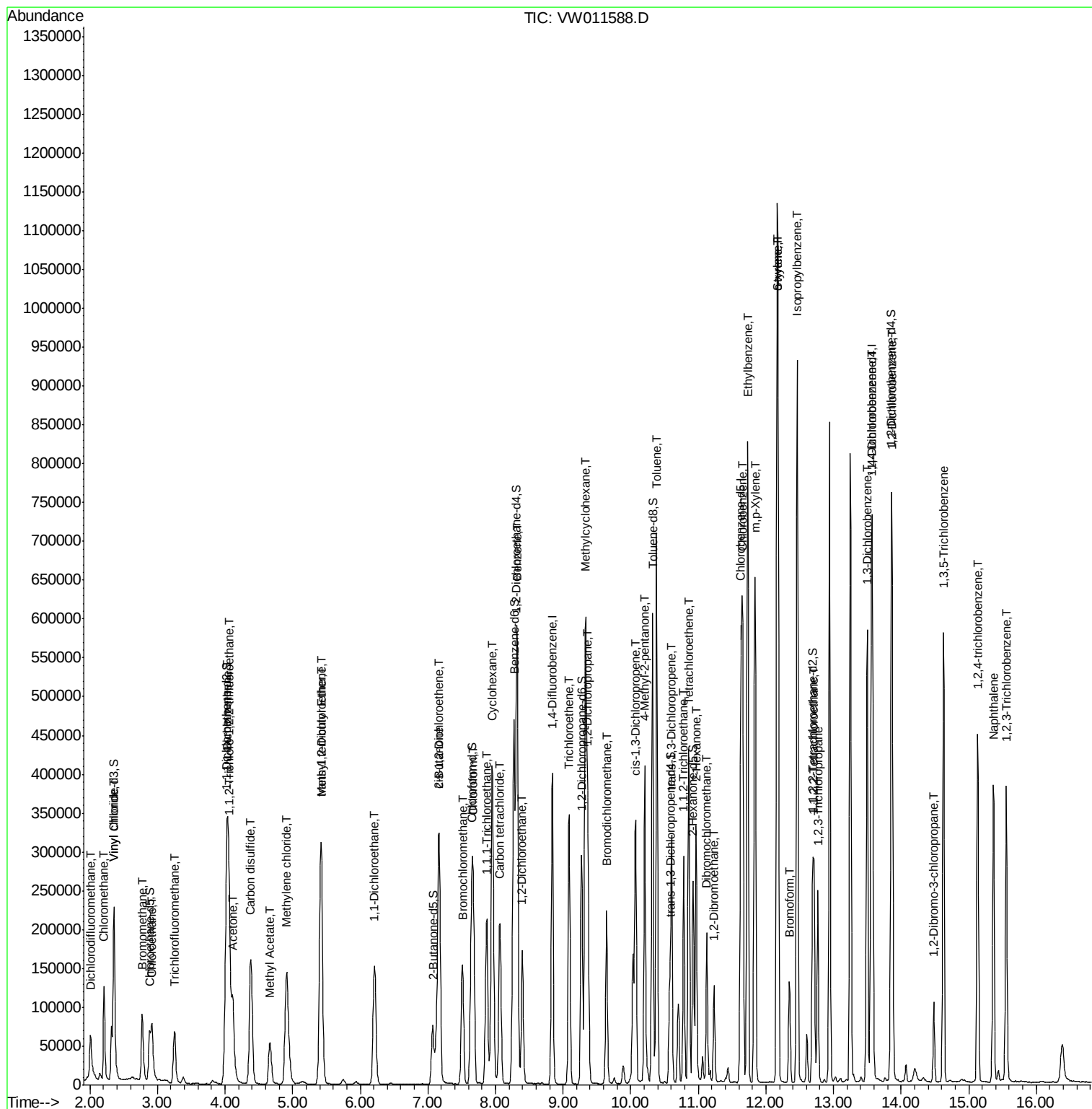
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49318	23.842	ug/L	98
25) Chloroform	7.67	83	207191	24.215	ug/L	99
27) 1,2-Dichloroethane	8.40	62	156655	24.732	ug/L	98
30) Cyclohexane	7.95	56	242934	25.676	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	167664	25.280	ug/L	99
32) Carbon tetrachloride	8.07	117	158702	25.436	ug/L	100
34) Benzene	8.32	78	481138	25.225	ug/L	100
35) Trichloroethene	9.09	95	121987	25.192	ug/L	99
36) Methylcyclohexane	9.34	83	229192	26.090	ug/L	98
40) 1,2-Dichloropropane	9.37	63	126732	24.891	ug/L	100
41) Bromodichloromethane	9.64	83	147802	24.600	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	189147	24.837	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	283605	61.478	ug/L	100
44) Toluene	10.38	91	491837	25.380	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	158140	24.958	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	85670	24.679	ug/L	98
47) Tetrachloroethene	10.86	164	93708	25.335	ug/L	96
49) 2-Hexanone	10.97	43	224317	63.115	ug/L	99
50) Dibromochloromethane	11.13	129	94790	24.774	ug/L	99
51) 1,2-Dibromoethane	11.23	107	85843	25.414	ug/L	99
52) Chlorobenzene	11.66	112	288273	24.656	ug/L	100
53) Ethylbenzene	11.73	91	551658	25.527	ug/L	100
54) m,p-Xylene	11.84	106	200760	25.547	ug/L	96
55) o-xylene	12.16	106	188697	25.515	ug/L	98
56) Styrene	12.18	104	322348	25.637	ug/L	100
57) Isopropylbenzene	12.46	105	528941	25.997	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	124591	27.009	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	99137	27.864	ug/L	99
62) Bromoform	12.35	173	59397	24.583	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	221109	24.123	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	221761	24.092	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	201795	24.313	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26193	30.491	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	170522	25.276	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	139786	25.727	ug/L	99
69) Naphthalene	15.36	128	306105	27.976	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	126723	25.183	ug/L	98

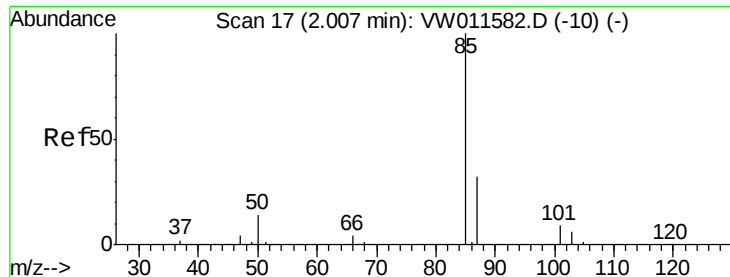
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.848 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

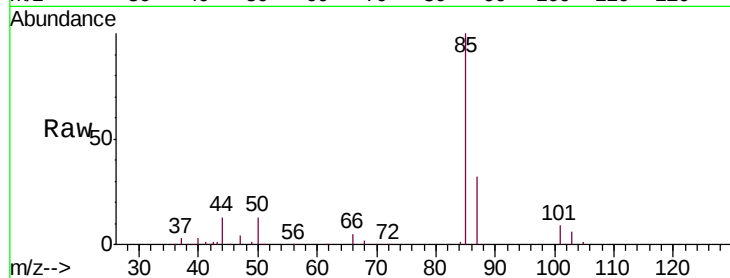
VSTD02526

Tgt Ion: 85 Resp: 90718

Ion Ratio Lower Upper

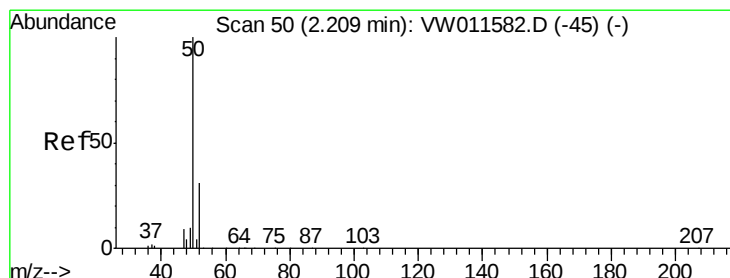
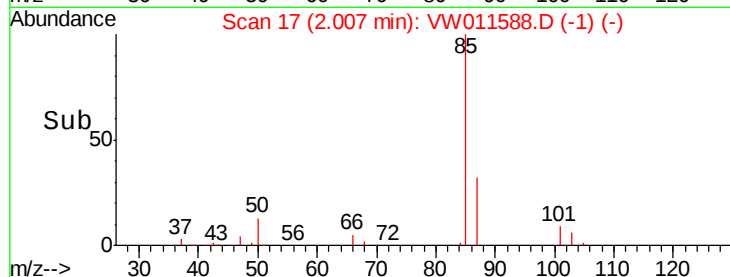
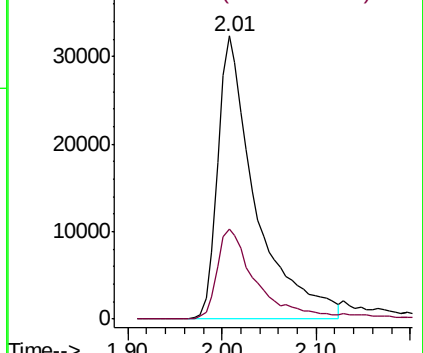
85 100

87 31.9 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.281 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011588.D

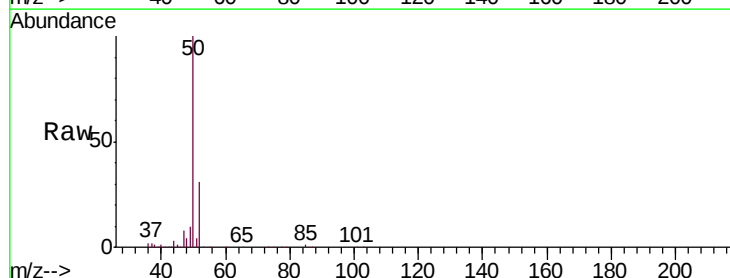
Acq: 31 Jul 2019 17:12

Tgt Ion: 50 Resp: 110846

Ion Ratio Lower Upper

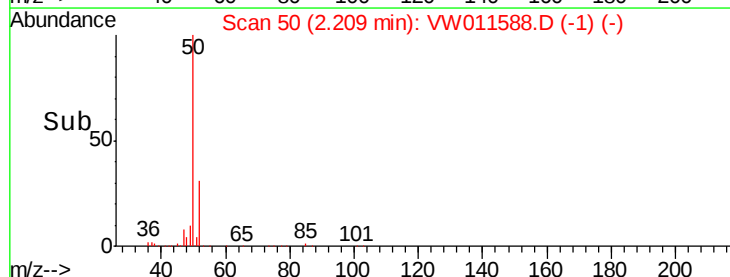
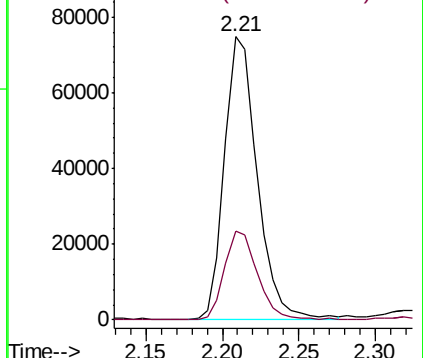
50 100

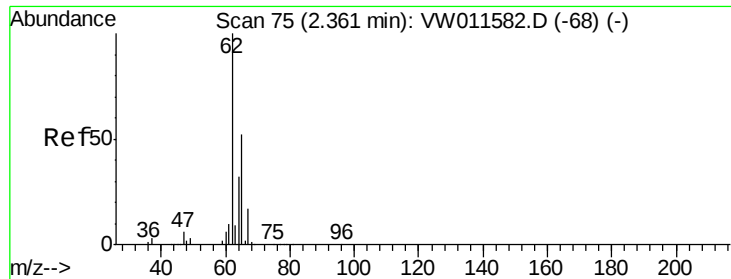
52 31.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.269 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011588.D

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Instrument :

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ClientSampleId :

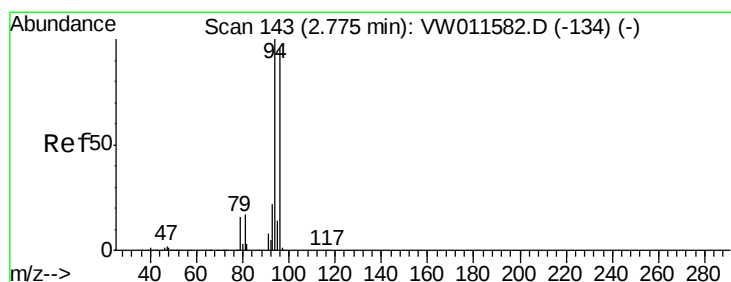
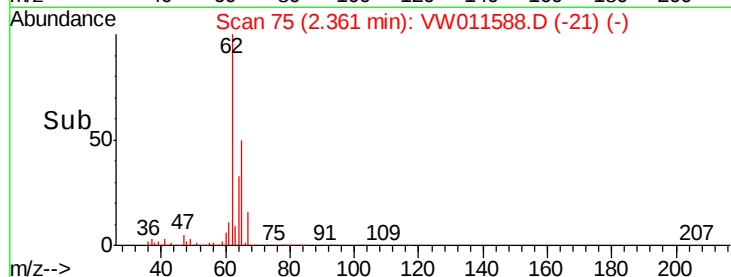
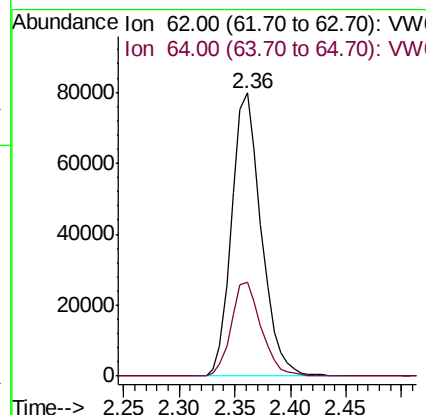
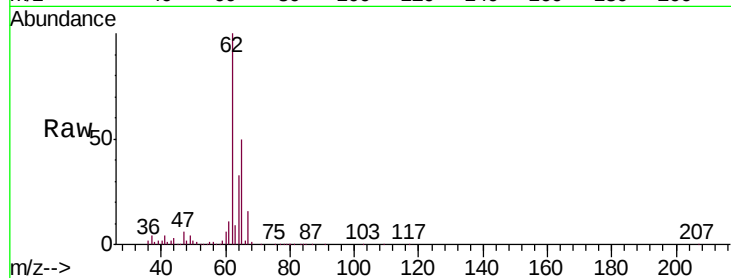
VSTD02526

Tgt Ion: 62 Resp: 147177

Ion Ratio Lower Upper

62 100

64 33.1 23.6 43.8



#6

Bromomethane

Concen: 24.733 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011588.D

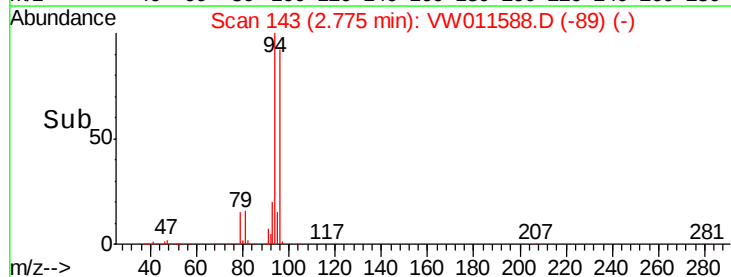
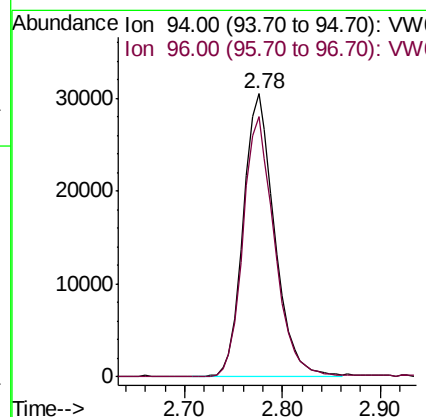
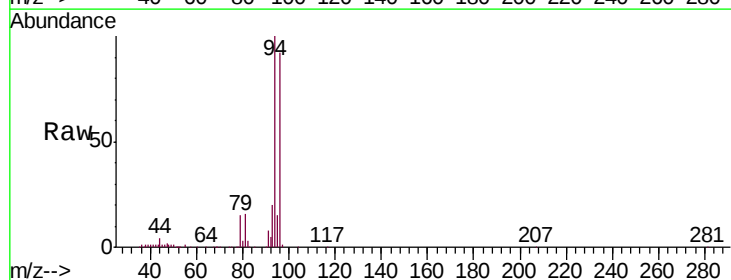
Acq: 31 Jul 2019 17:12

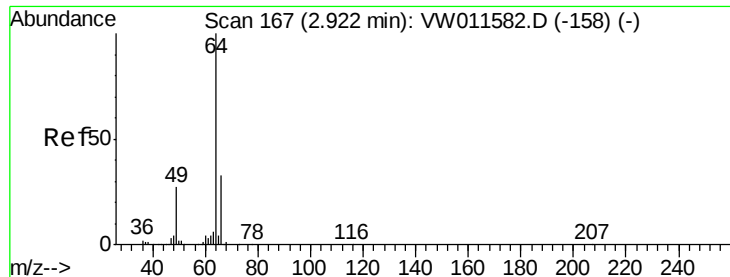
Tgt Ion: 94 Resp: 67914

Ion Ratio Lower Upper

94 100

96 92.7 9.3 175.9





#8

Chloroethane

Concen: 24.797 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

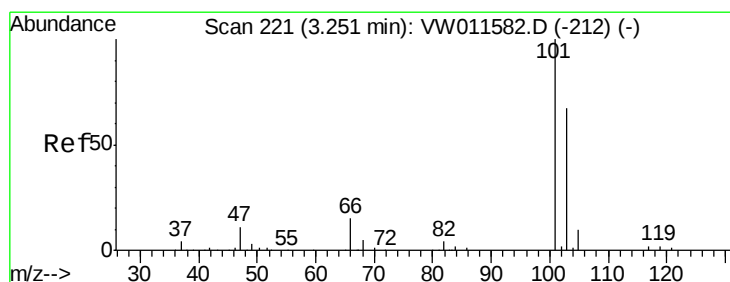
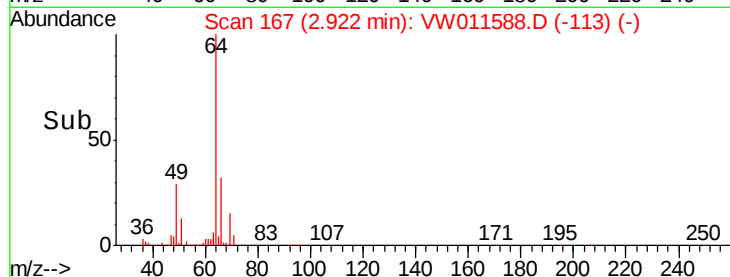
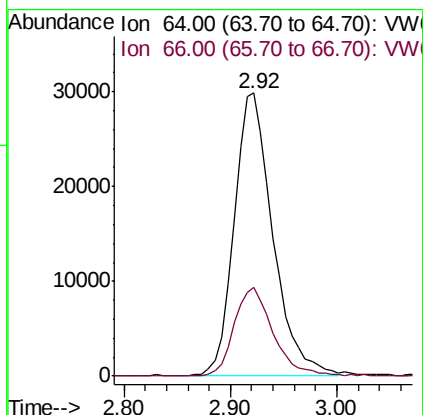
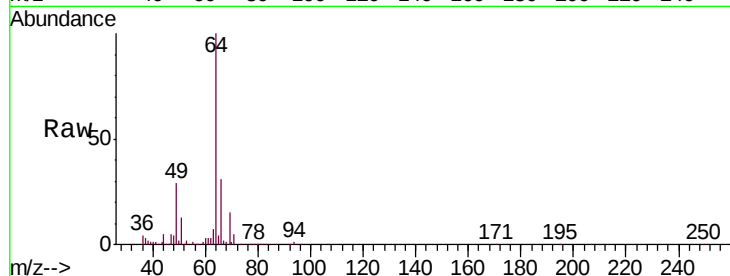
VSTD02526

Tgt Ion: 64 Resp: 75536

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 24.190 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW011588.D

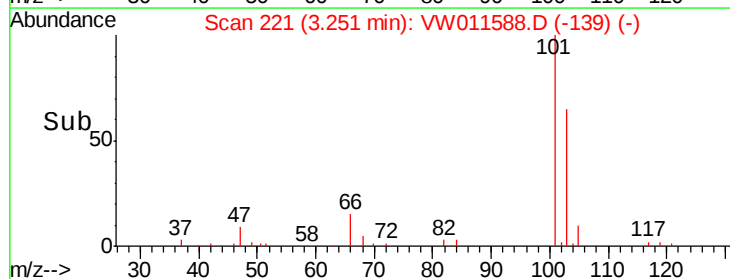
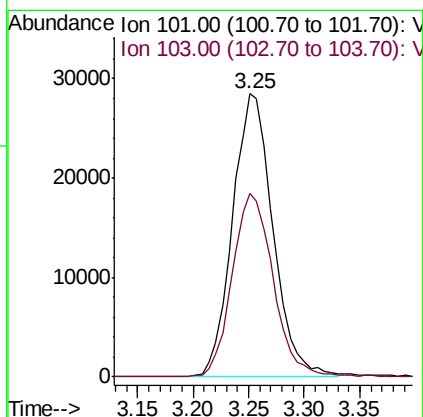
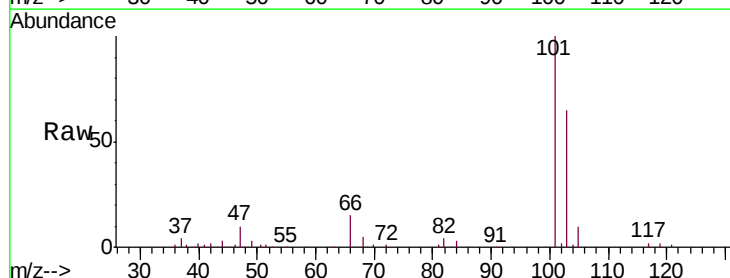
Acq: 31 Jul 2019 17:12

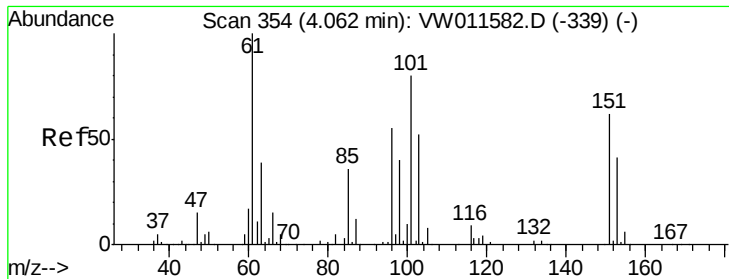
Tgt Ion: 101 Resp: 71772

Ion Ratio Lower Upper

101 100

103 65.3 44.3 82.3





#11

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

Concen: 25.324 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

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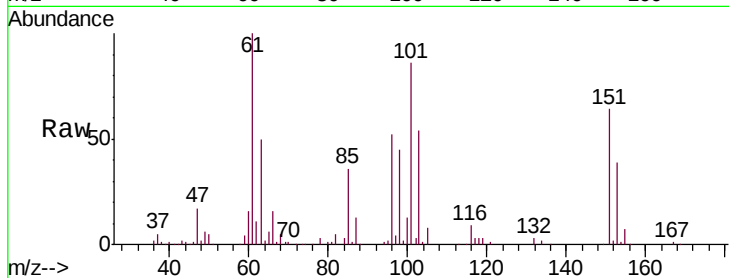
Tgt Ion: 101 Resp: 113914

Ion Ratio Lower Upper

101 100

85 43.8 37.0 55.4

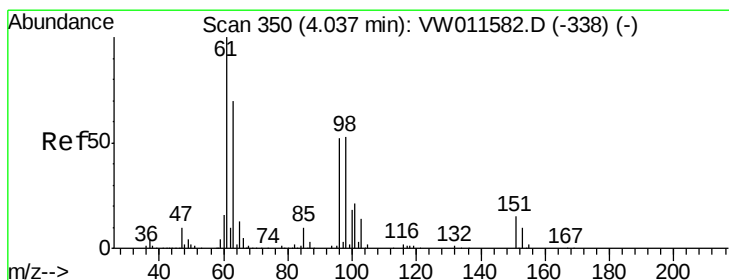
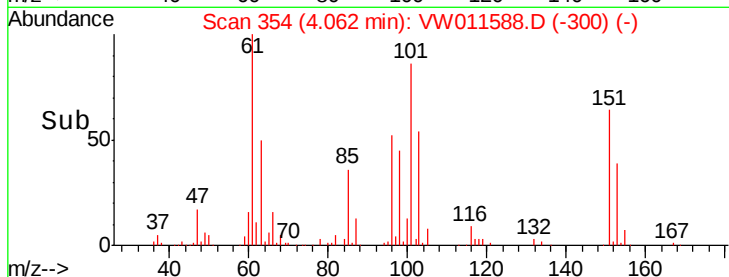
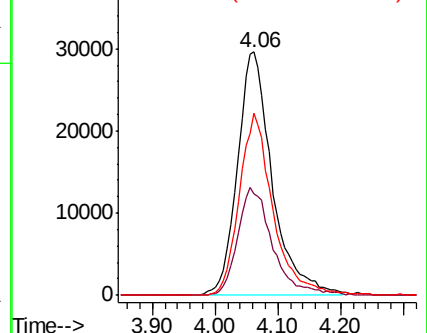
151 71.5 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.195 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011588.D

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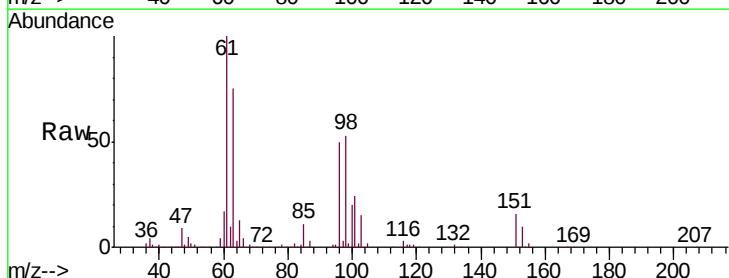
Tgt Ion: 96 Resp: 113318

Ion Ratio Lower Upper

96 100

61 198.9 135.0 250.8

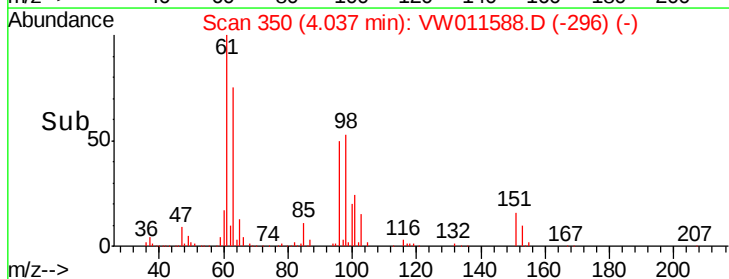
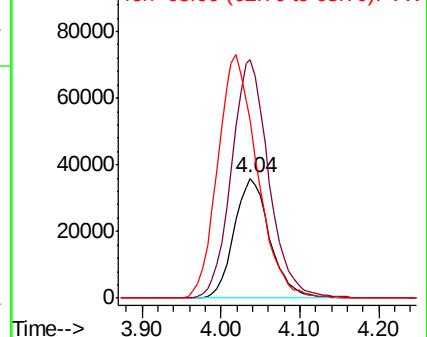
63 148.7 89.2 165.8

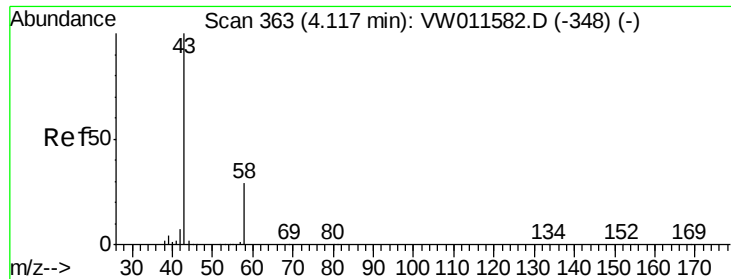


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 66.087 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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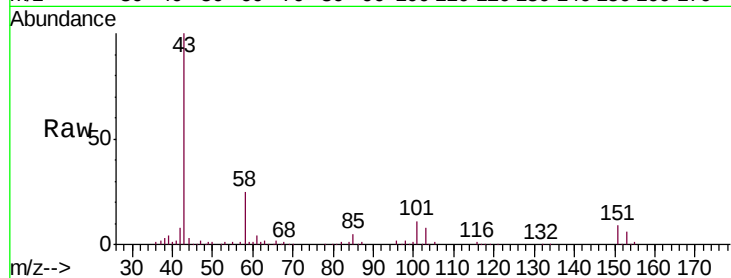
VSTD02526

Tgt Ion: 43 Resp: 140534

Ion Ratio Lower Upper

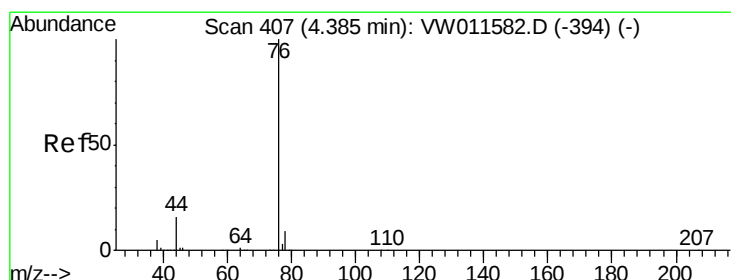
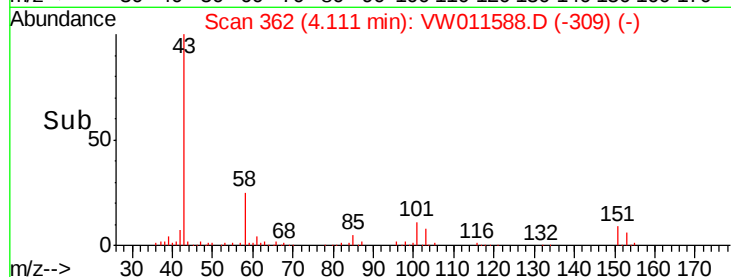
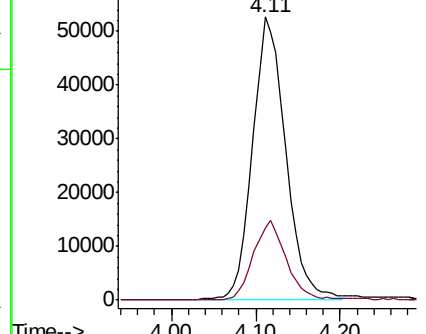
43 100

58 27.9 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.785 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

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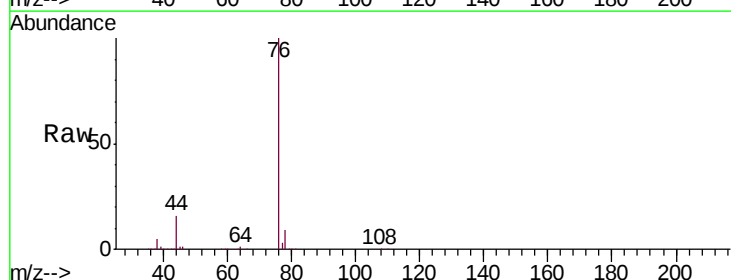
Acq: 31 Jul 2019 17:12

Tgt Ion: 76 Resp: 363068

Ion Ratio Lower Upper

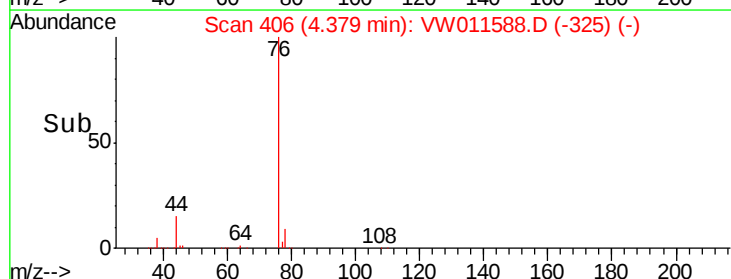
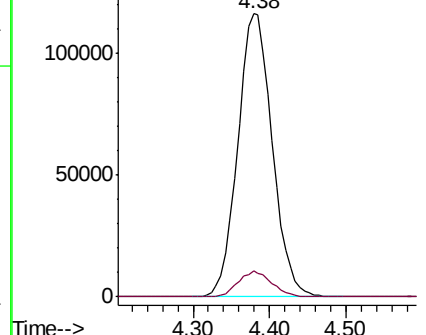
76 100

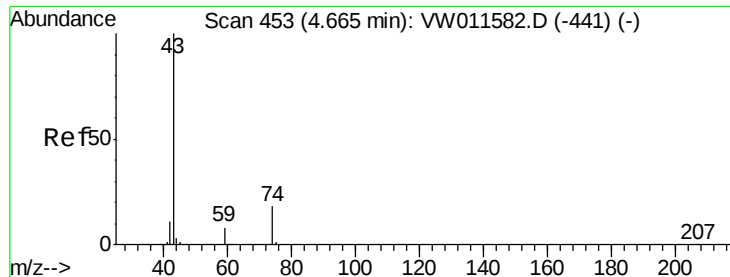
78 9.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 30.605 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampled :

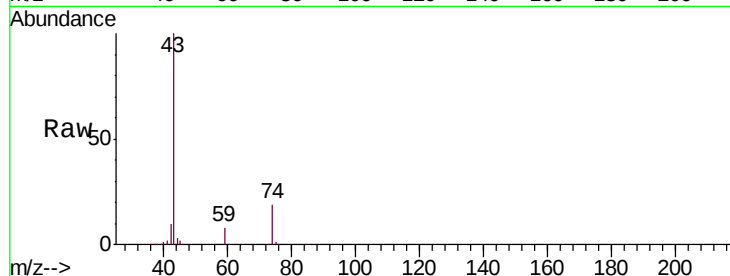
VSTD02526

Tgt Ion: 43 Resp: 106408

Ion Ratio Lower Upper

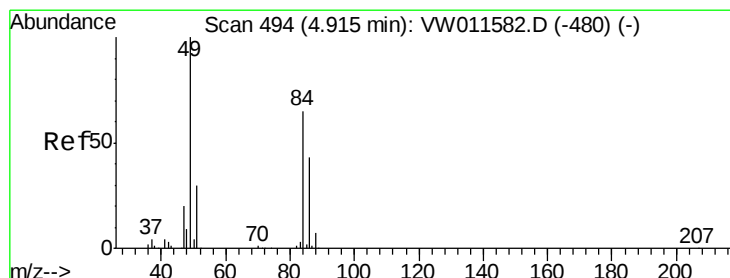
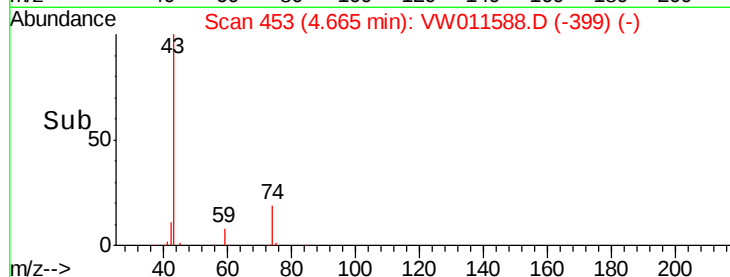
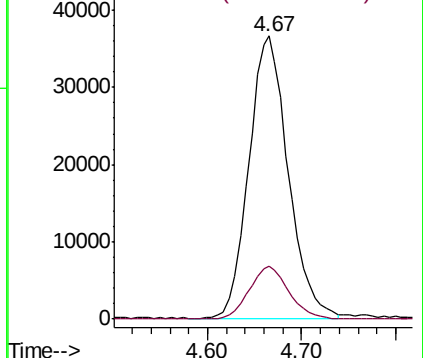
43 100

74 18.8 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 24.213 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

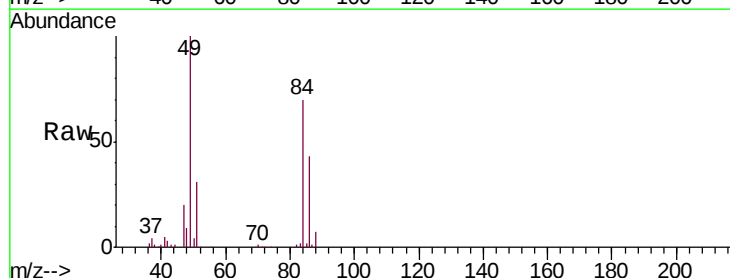
Tgt Ion: 84 Resp: 118329

Ion Ratio Lower Upper

84 100

49 143.7 106.8 198.4

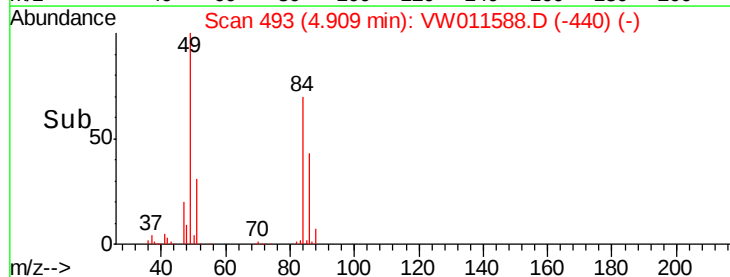
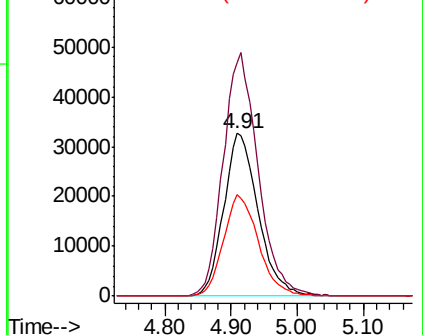
86 62.4 42.8 79.4

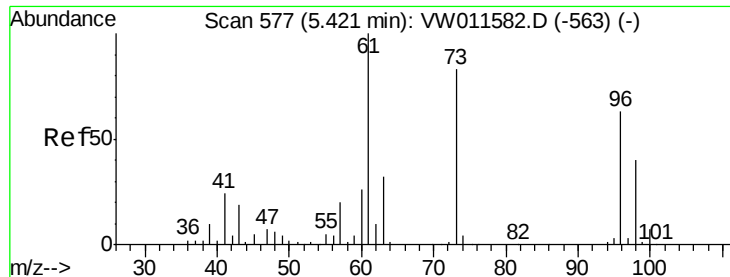


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

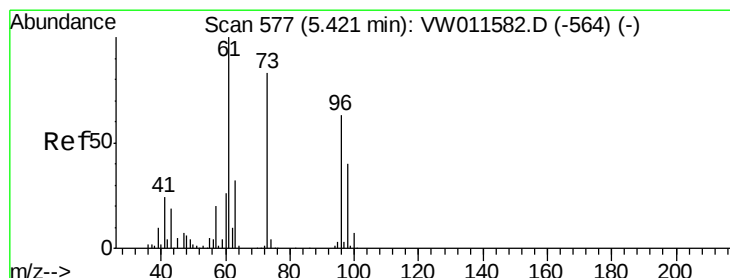
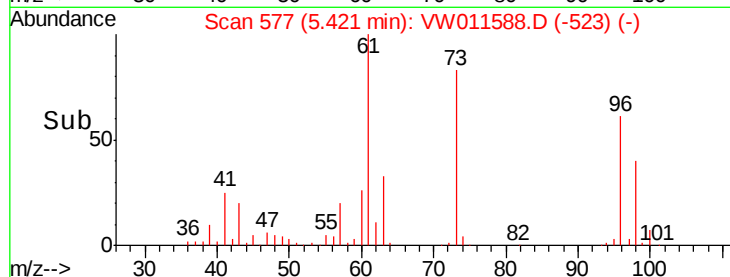
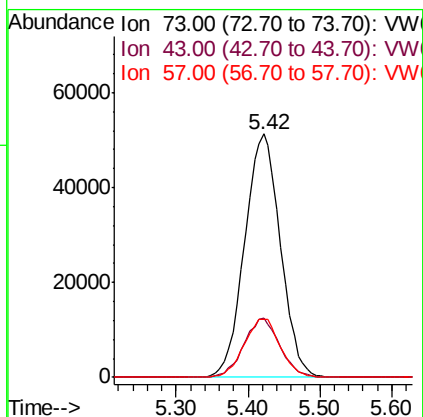
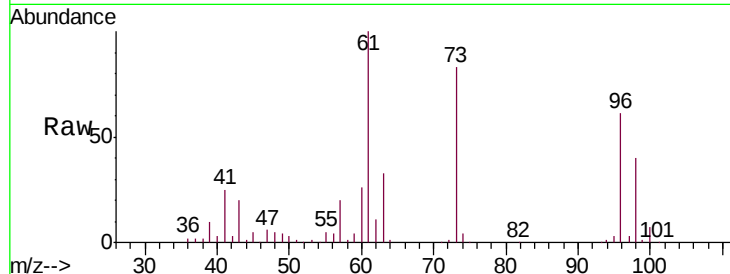




#17
Methyl tert-butyl Ether
Concen: 23.613 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

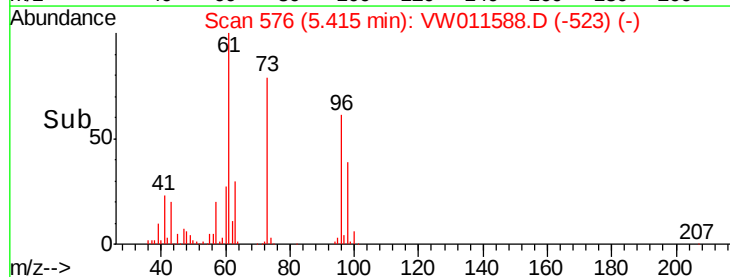
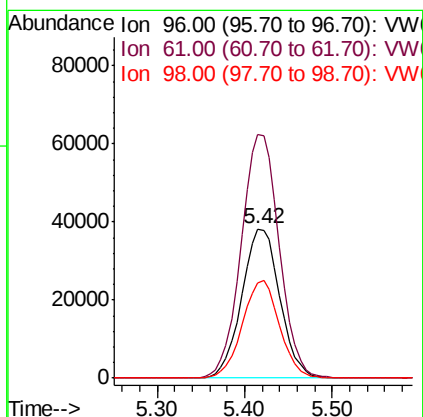
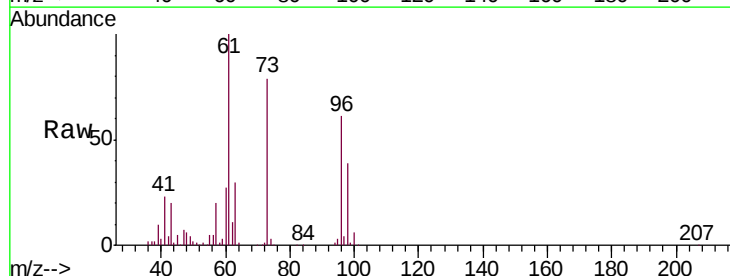
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

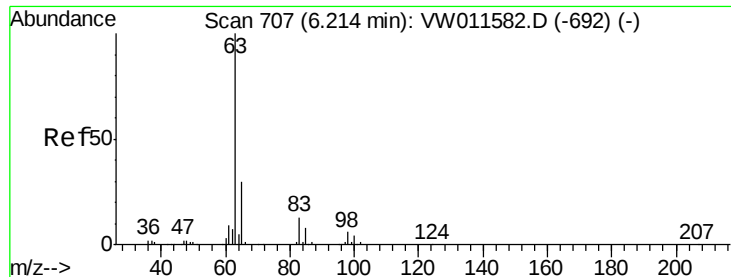
Tgt Ion: 73 Resp: 176863
Ion Ratio Lower Upper
73 100
43 23.6 19.3 28.9
57 24.2 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 24.882 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

Tgt Ion: 96 Resp: 115626
Ion Ratio Lower Upper
96 100
61 163.0 114.2 212.0
98 63.8 45.6 84.6





#19

1,1-Dichloroethane

Concen: 24.587 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

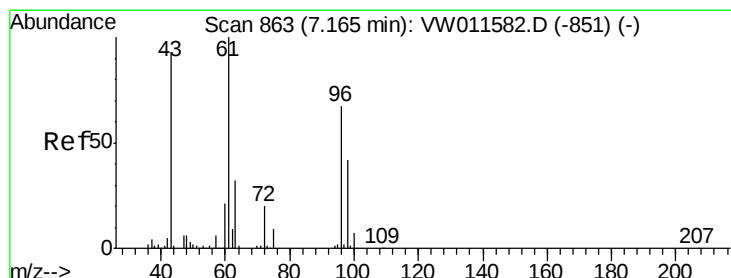
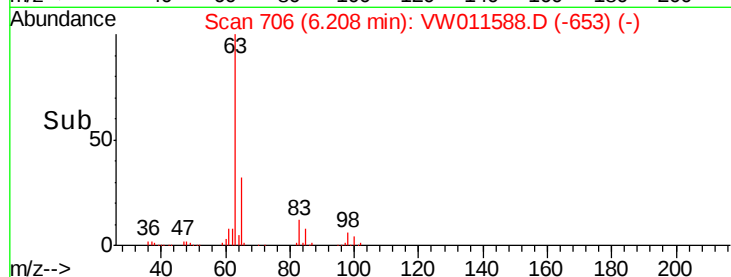
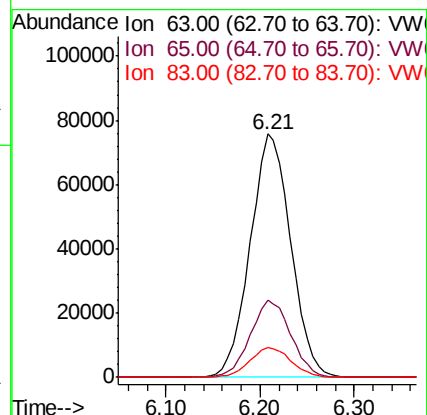
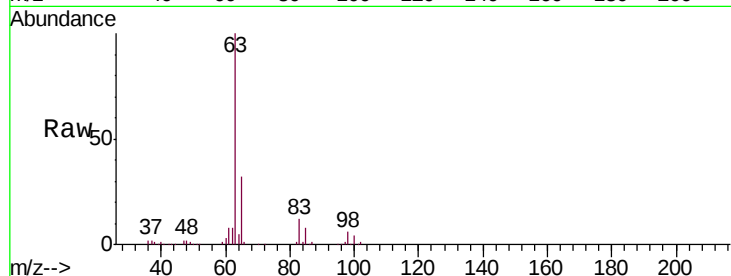
Tgt Ion: 63 Resp: 228245

Ion Ratio Lower Upper

63 100

65 31.9 21.7 40.3

83 12.1 8.4 15.6



#21

2-Butanone

Concen: 65.838 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011588.D

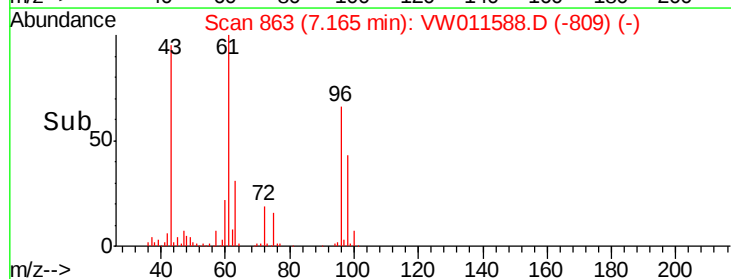
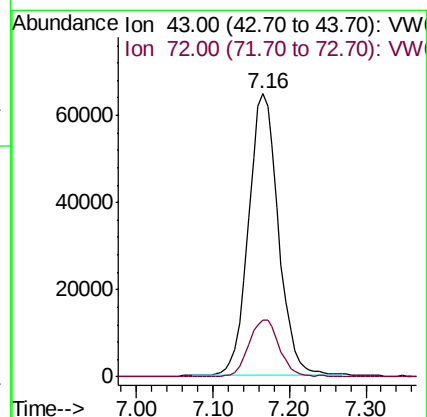
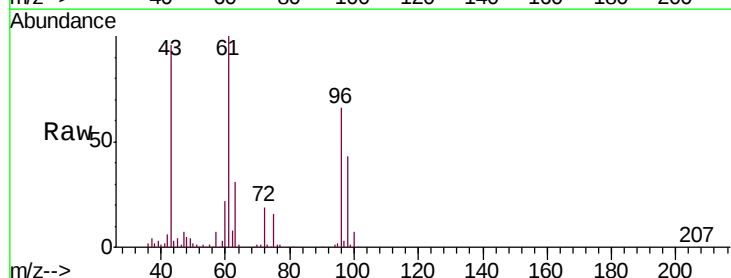
Acq: 31 Jul 2019 17:12

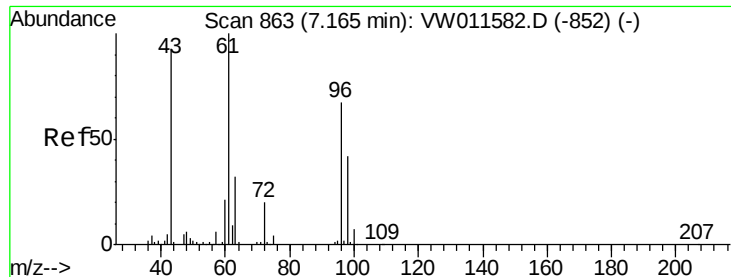
Tgt Ion: 43 Resp: 175534

Ion Ratio Lower Upper

43 100

72 20.8 10.7 32.1



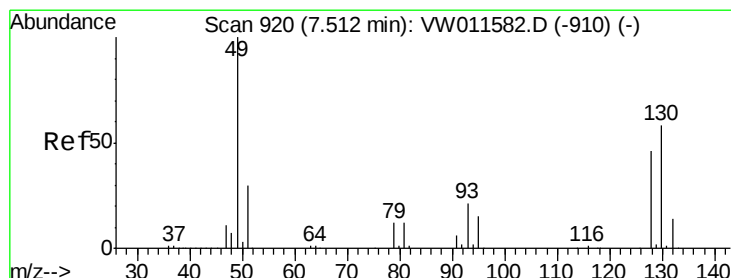
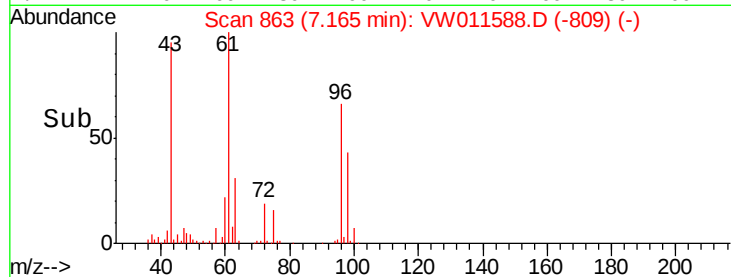
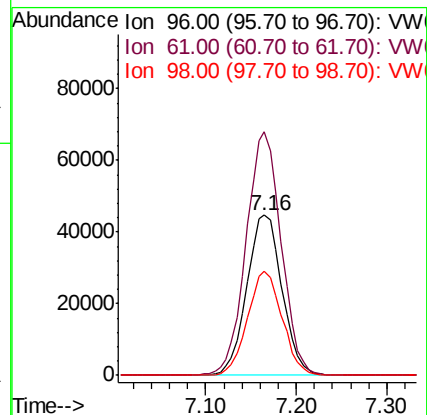
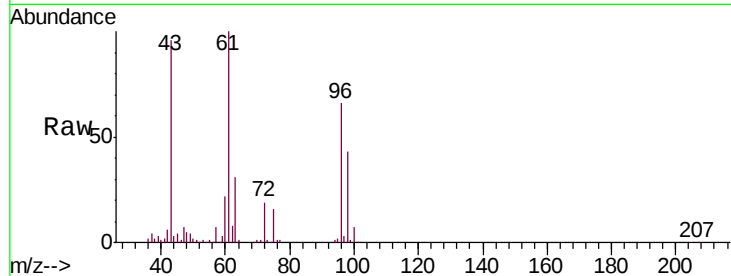


#22

cis-1,2-Dichloroethene
 Concen: 24.691 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

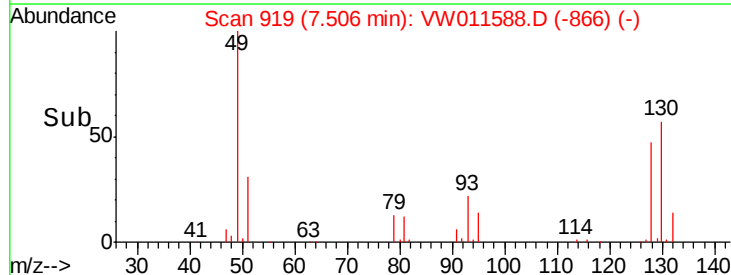
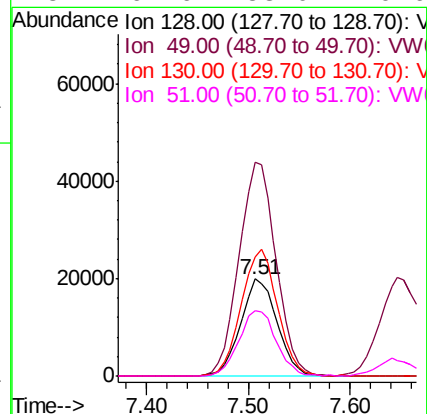
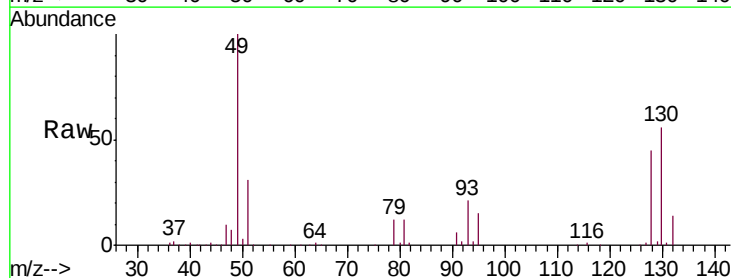
Tgt Ion: 96 Resp: 120036
 Ion Ratio Lower Upper
 96 100
 61 151.9 103.9 192.9
 98 65.0 43.5 80.9

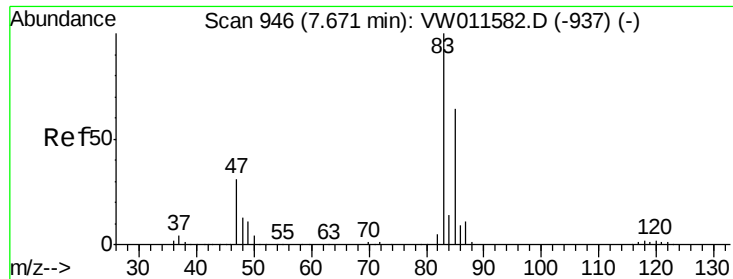


#23

Bromochloromethane
 Concen: 23.842 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Tgt Ion: 128 Resp: 49318
 Ion Ratio Lower Upper
 128 100
 49 220.7 153.6 285.3
 130 123.2 89.5 166.3
 51 67.6 53.0 79.6

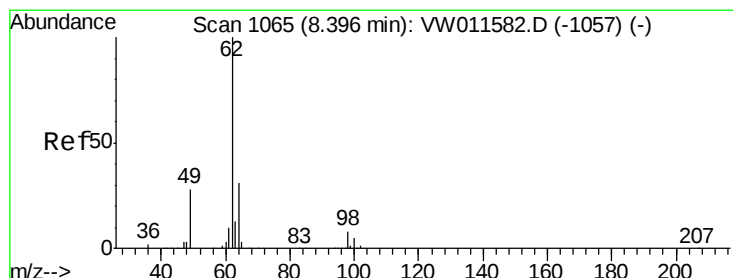
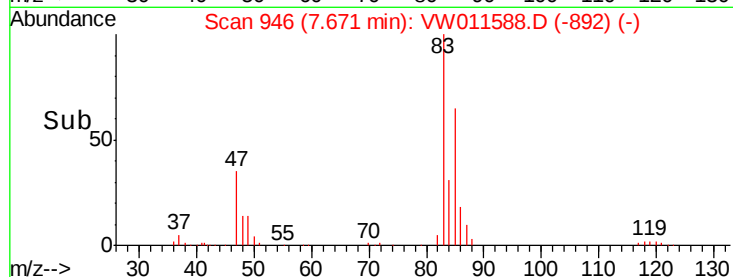
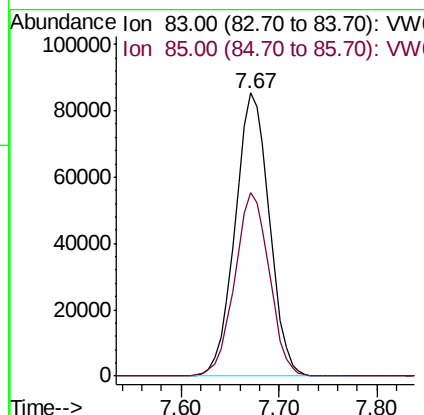
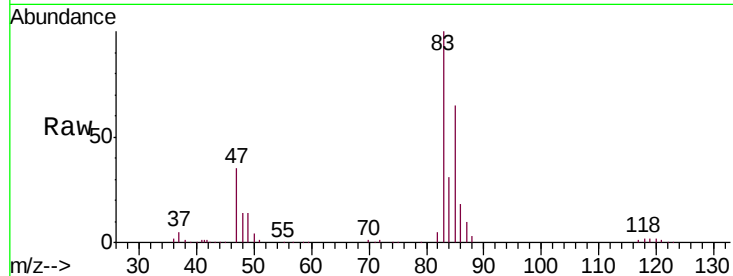




#25
Chloroform
Concen: 24.215 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

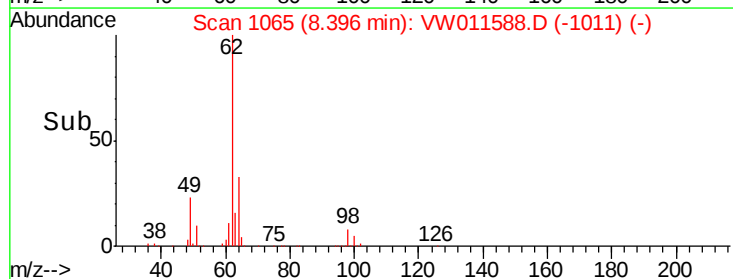
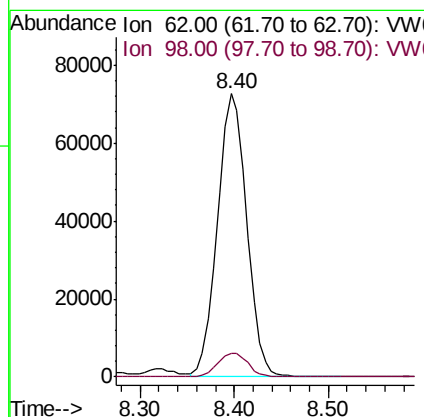
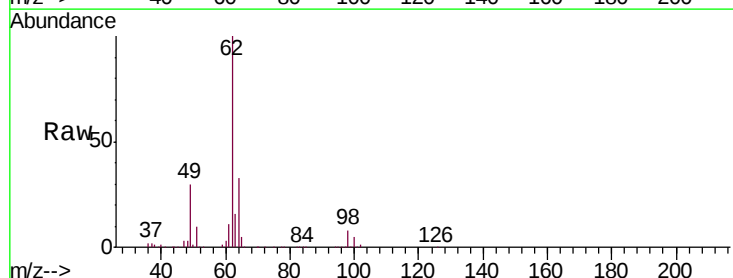
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

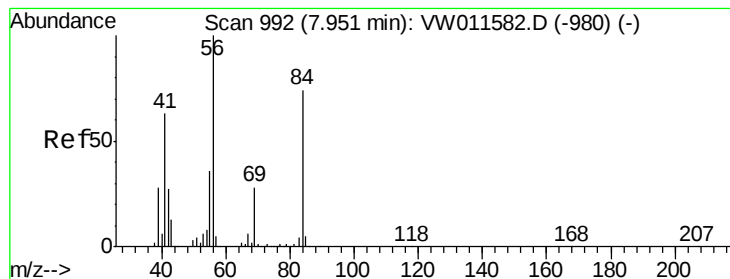
Tgt Ion: 83 Resp: 207191
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 24.732 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

Tgt Ion: 62 Resp: 156655
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#30

Cyclohexane

Concen: 25.676 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

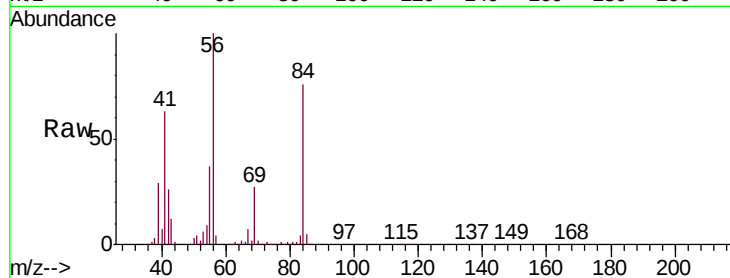
Tgt Ion: 56 Resp: 242934

Ion Ratio Lower Upper

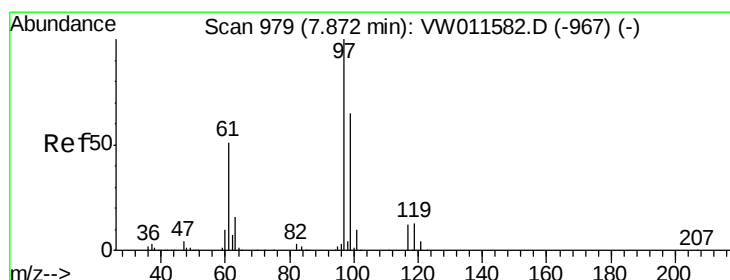
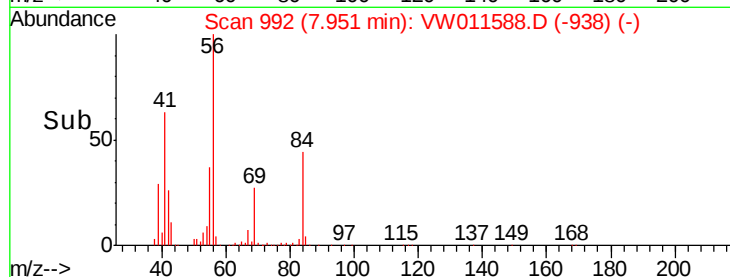
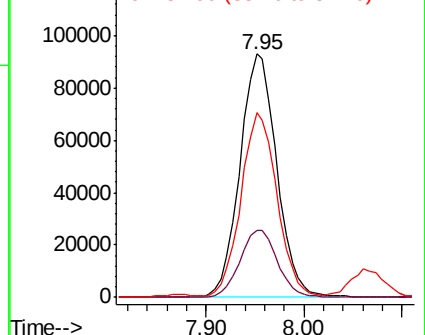
56 100

69 28.0 22.4 33.6

84 74.7 60.6 91.0



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



#31

1,1,1-Trichloroethane

Concen: 25.280 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

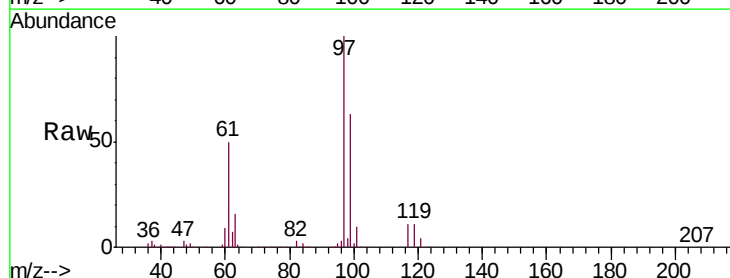
Tgt Ion: 97 Resp: 167664

Ion Ratio Lower Upper

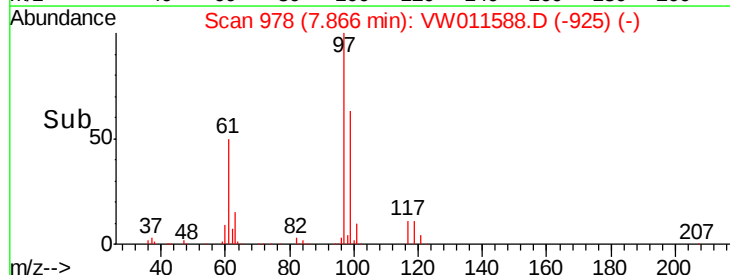
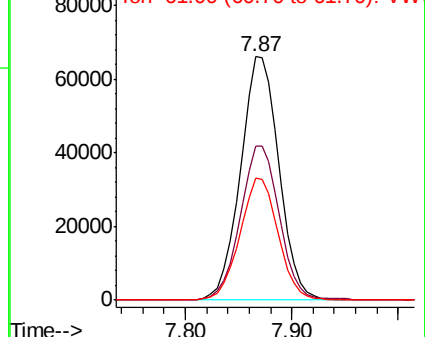
97 100

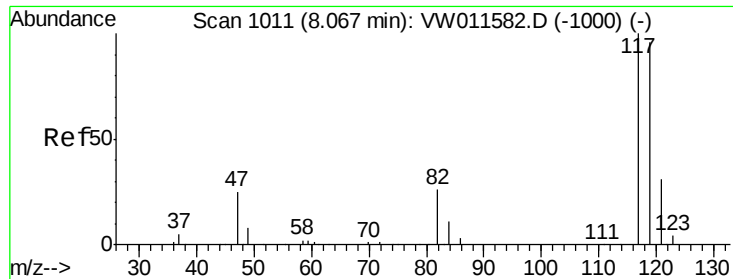
99 63.9 52.1 78.1

61 50.0 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.436 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

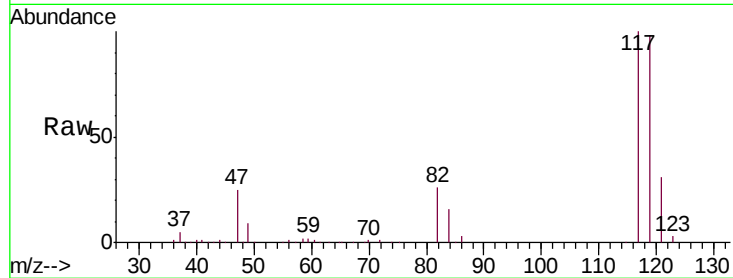
VSTD02526

Tgt Ion:117 Resp: 158702

Ion Ratio Lower Upper

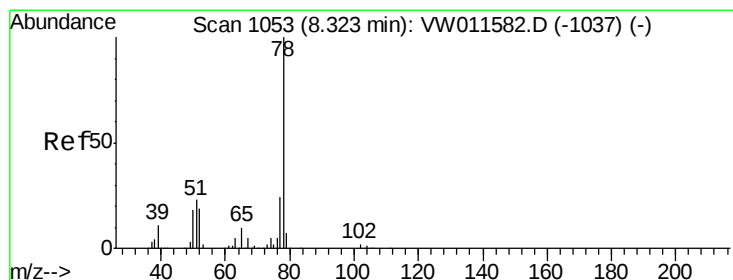
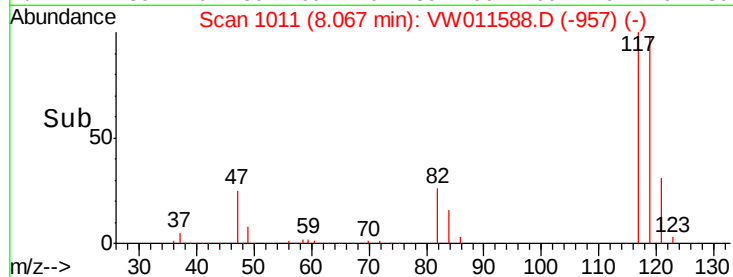
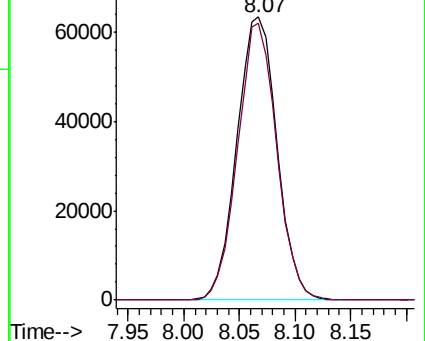
117 100

119 95.0 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.225 ug/L

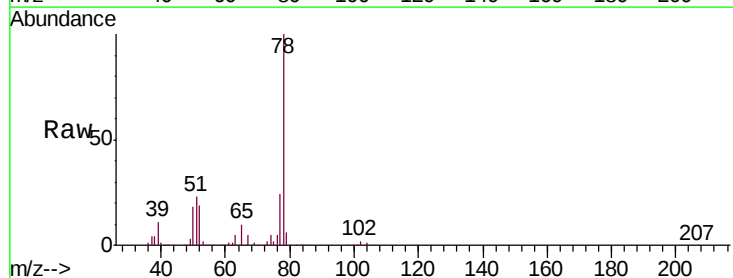
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

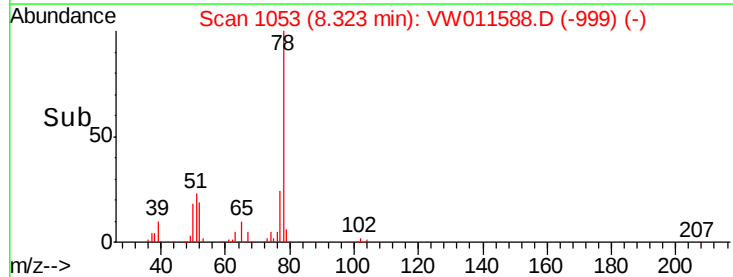
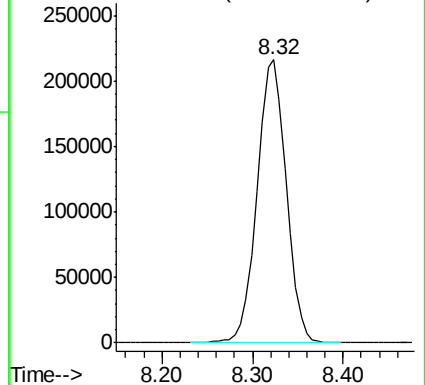
Lab File: VW011588.D

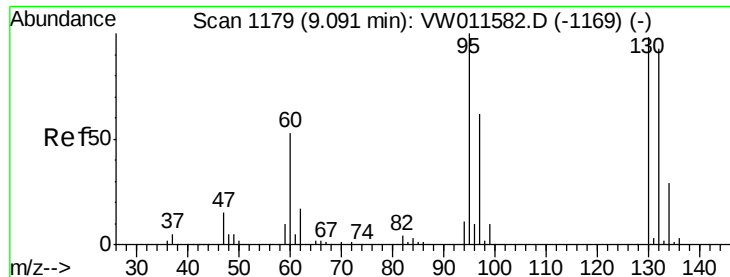
Acq: 31 Jul 2019 17:12

Tgt Ion: 78 Resp: 481138



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.192 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 95 Resp: 121987

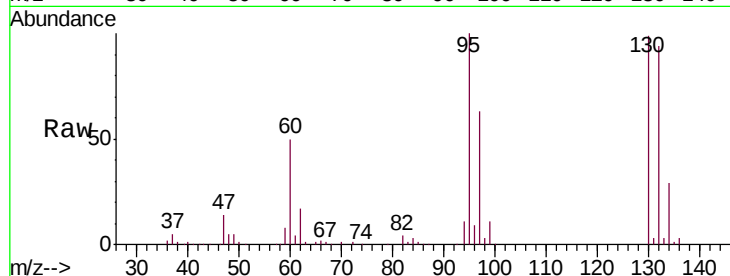
Ion Ratio Lower Upper

95 100

97 63.7 44.8 83.2

132 91.7 65.0 120.6

130 96.9 68.0 126.4

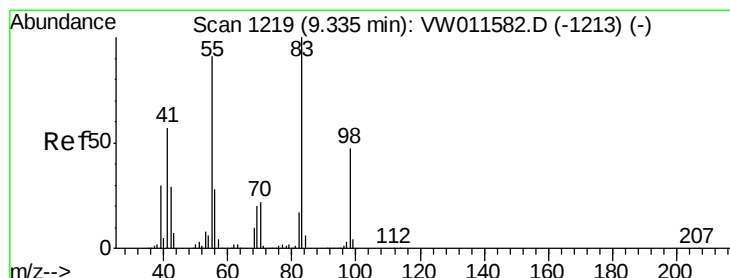
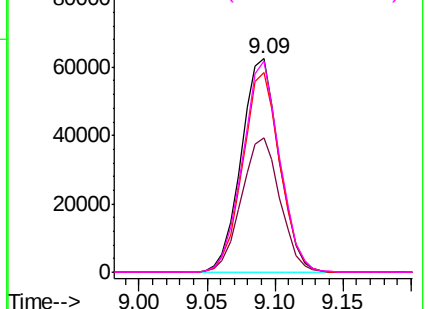
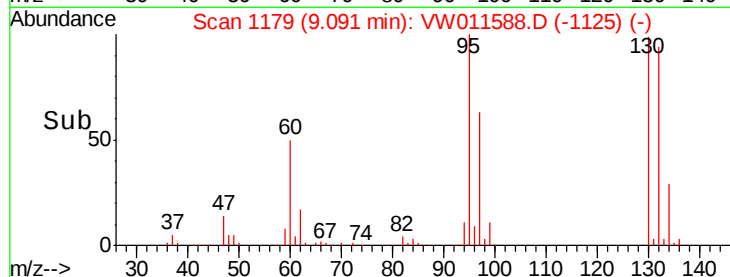


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.090 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

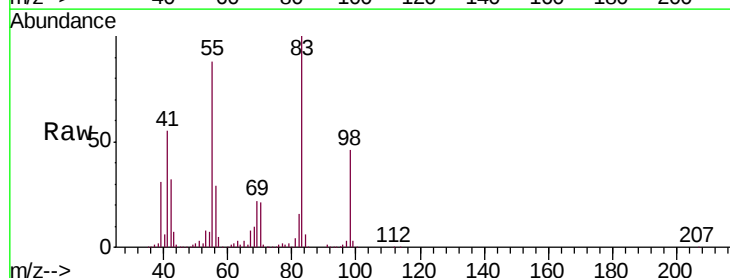
Tgt Ion: 83 Resp: 229192

Ion Ratio Lower Upper

83 100

55 89.3 72.6 108.8

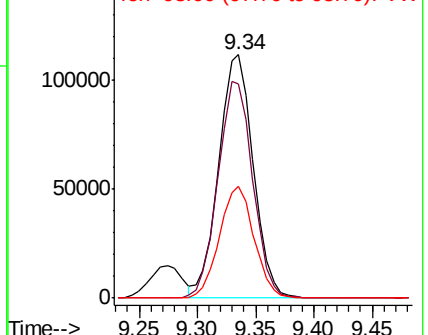
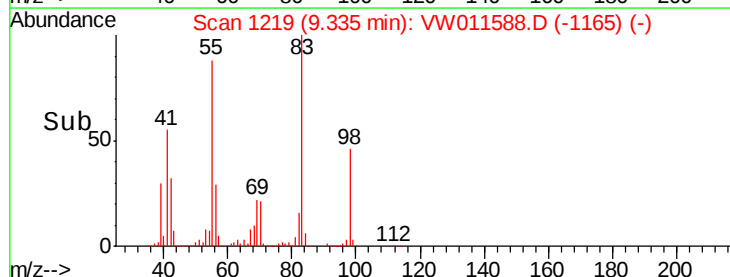
98 46.0 37.8 56.6

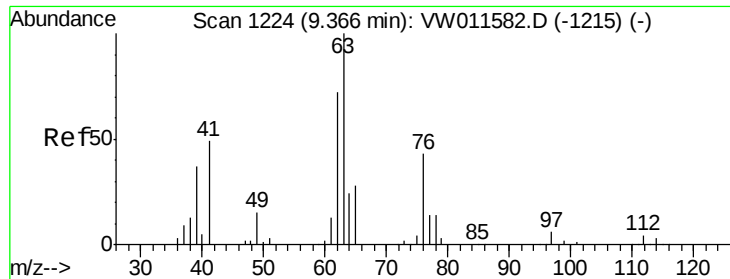


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

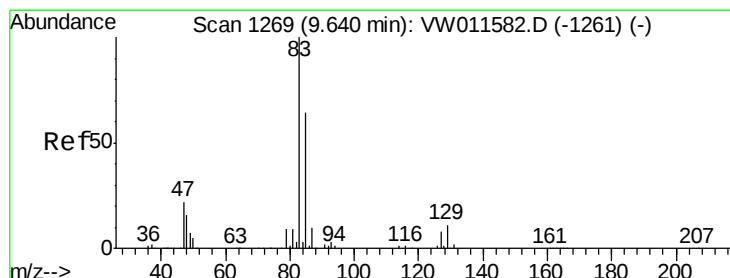
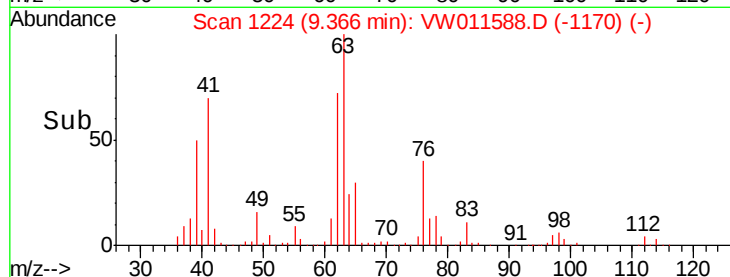
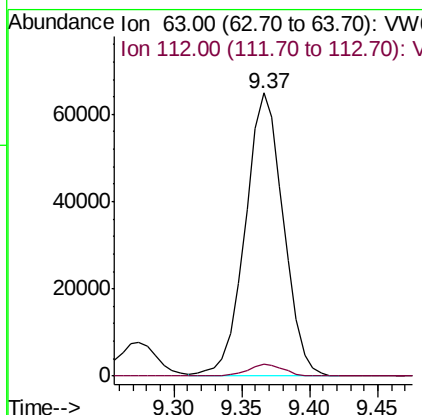
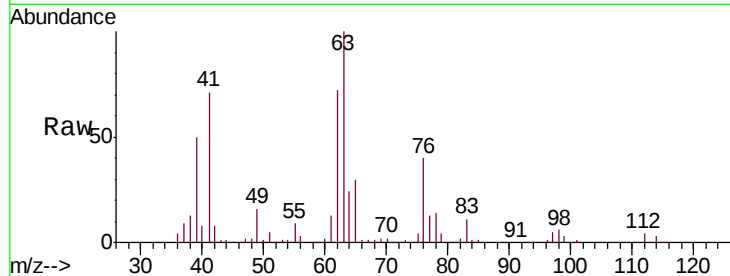




#40
 1,2-Dichloropropane
 Concen: 24.891 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

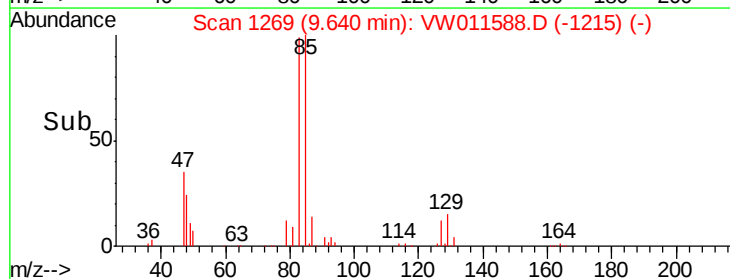
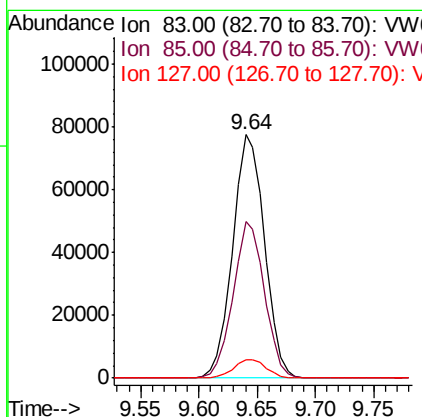
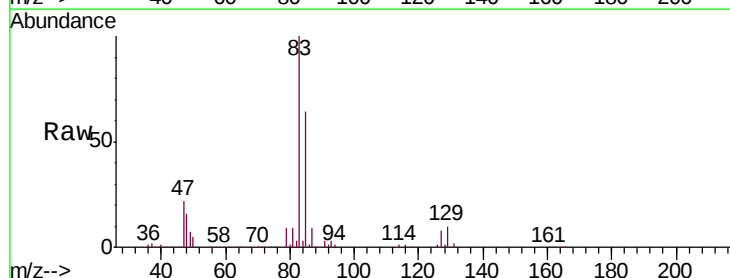
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

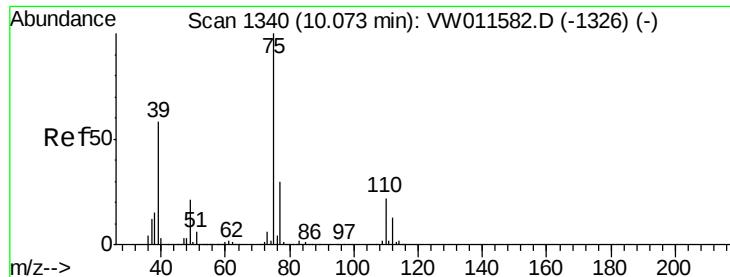
Tgt Ion: 63 Resp: 126732
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#41
 Bromodichloromethane
 Concen: 24.600 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Tgt Ion: 83 Resp: 147802
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.0 81.6
 127 7.7 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 24.837 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

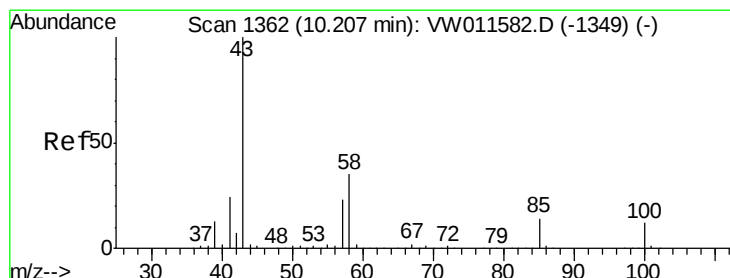
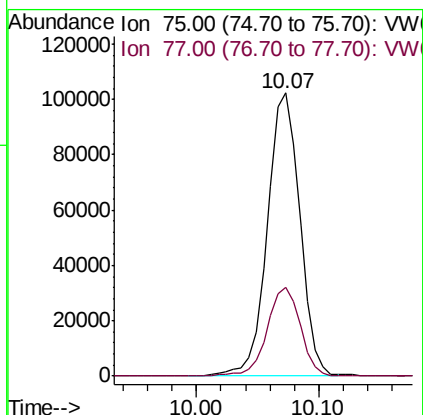
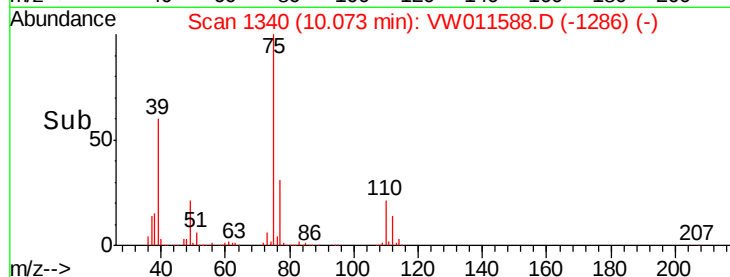
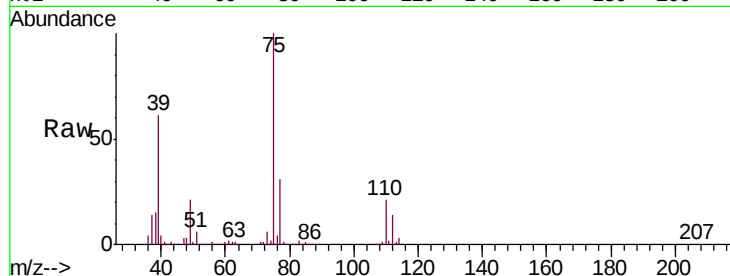
VSTD02526

Tgt Ion: 75 Resp: 189147

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 61.478 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

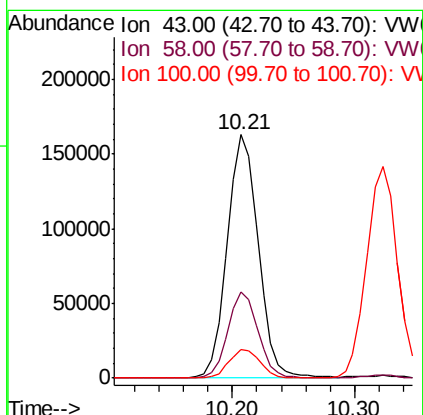
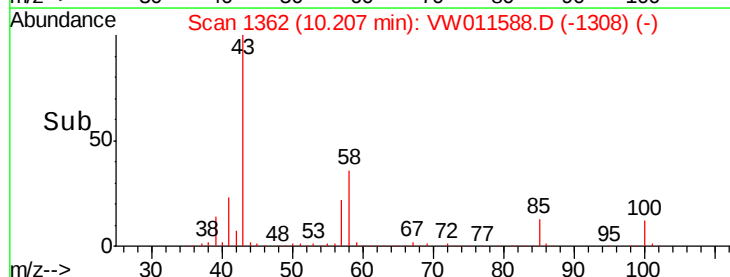
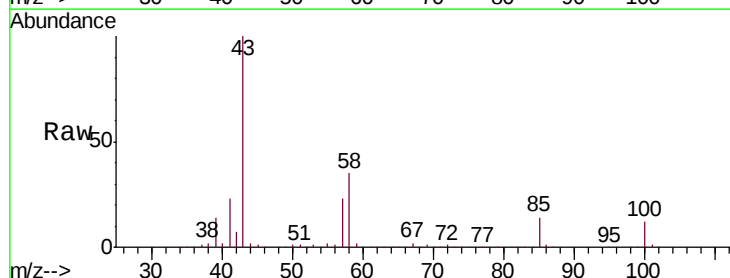
Tgt Ion: 43 Resp: 283605

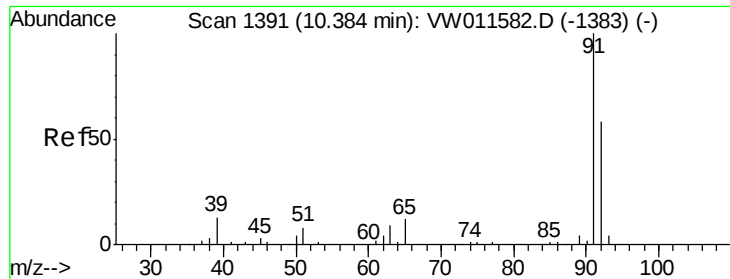
Ion Ratio Lower Upper

43 100

58 34.8 28.0 42.0

100 11.9 9.4 14.2





#44

Toluene

Concen: 25.380 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

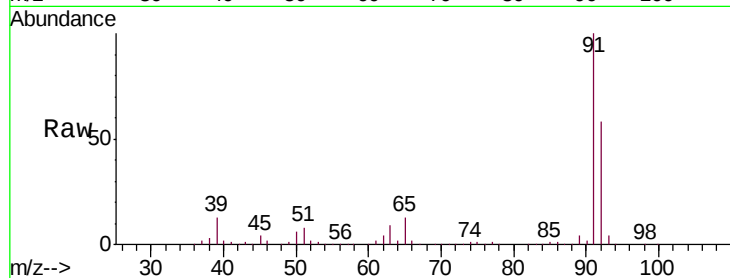
VSTD02526

Tgt Ion: 91 Resp: 491837

Ion Ratio Lower Upper

91 100

92 57.7 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

300000

250000

200000

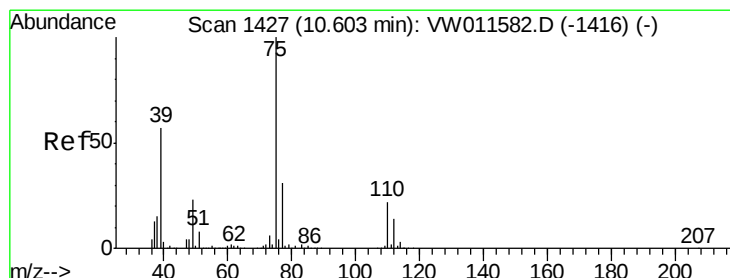
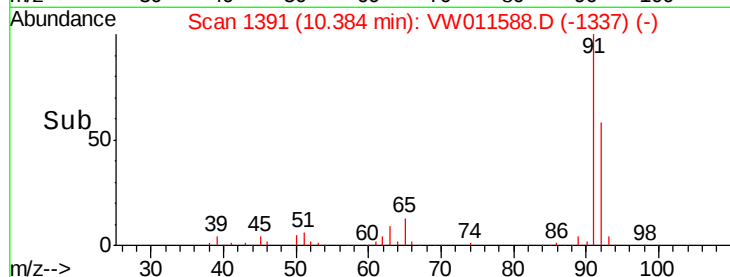
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.958 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011588.D

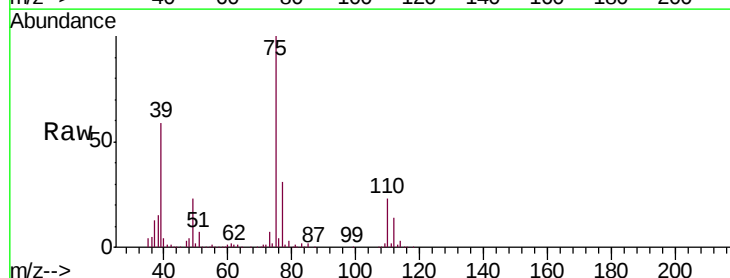
Acq: 31 Jul 2019 17:12

Tgt Ion: 75 Resp: 158140

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

100000

80000

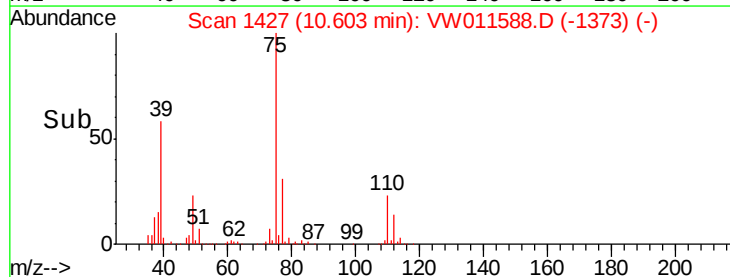
60000

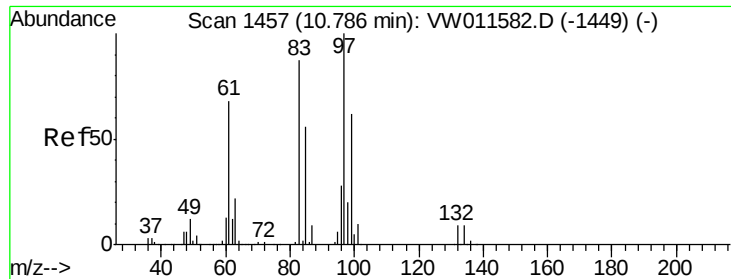
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.679 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 97 Resp: 85670

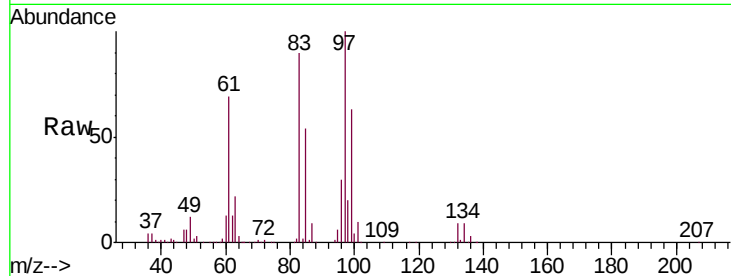
Ion Ratio Lower Upper

97 100

83 89.9 63.8 118.6

85 54.0 39.3 72.9

99 63.2 43.5 80.7



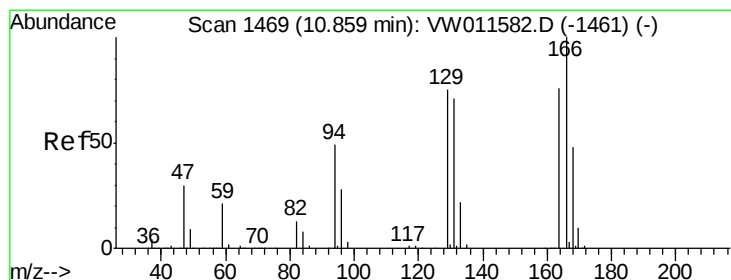
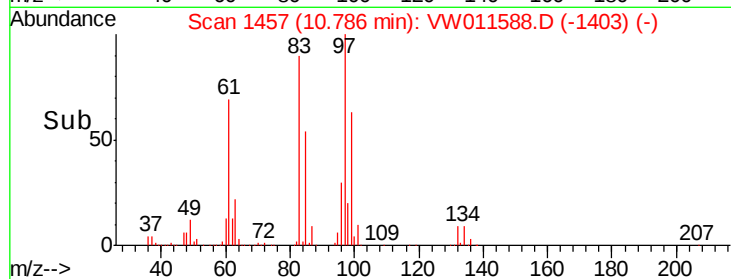
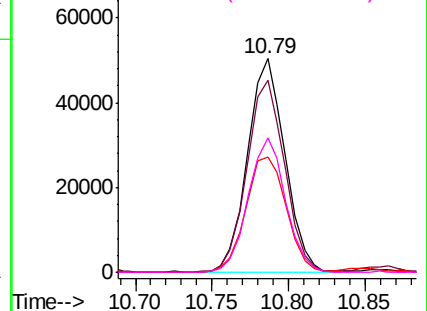
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.335 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Tgt Ion: 164 Resp: 93708

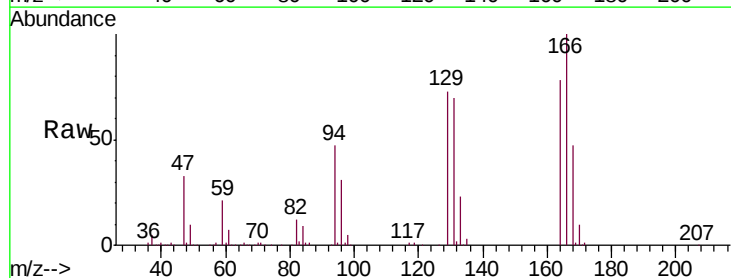
Ion Ratio Lower Upper

164 100

129 93.2 64.0 119.0

131 90.0 58.6 108.8

166 128.0 91.7 170.3



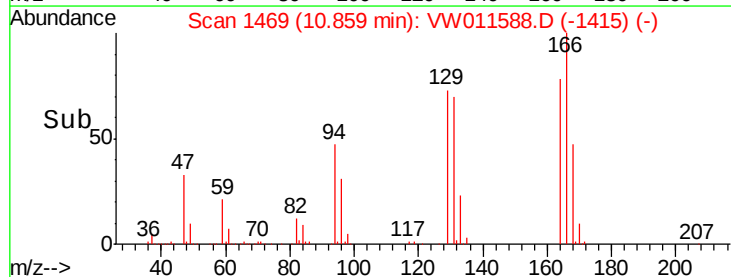
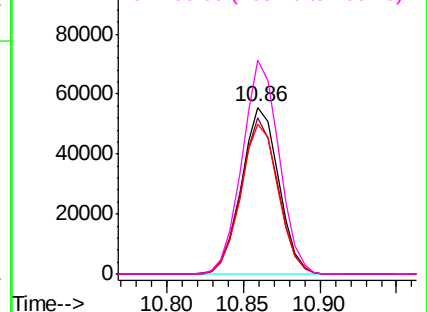
Abundance

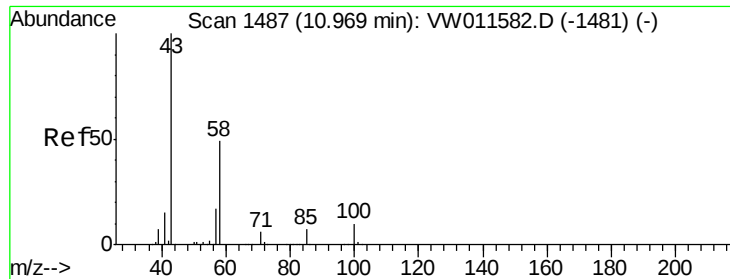
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

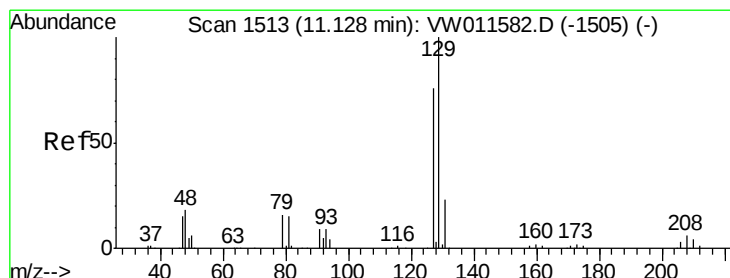
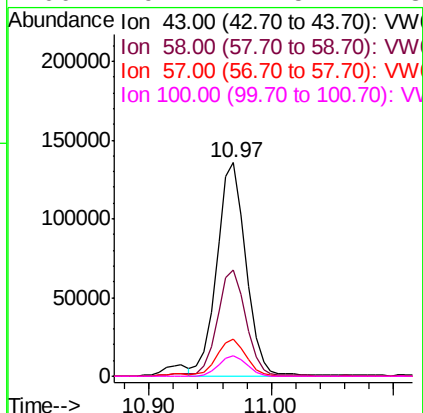
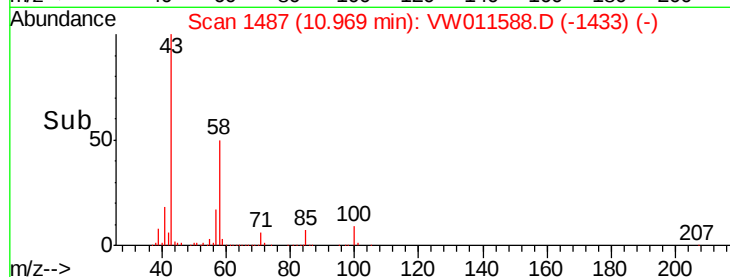
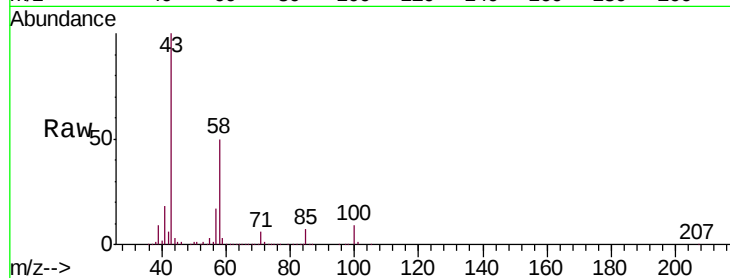




#49
2-Hexanone
Concen: 63.115 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

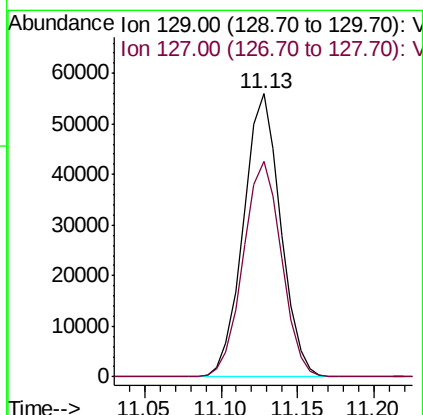
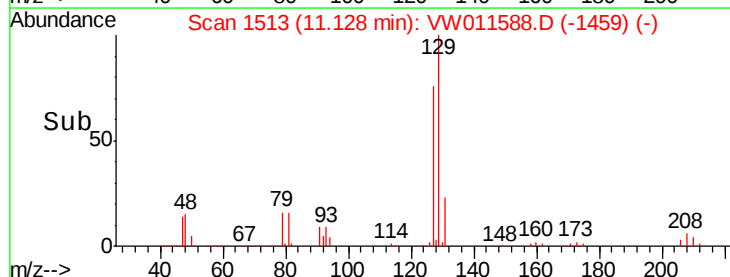
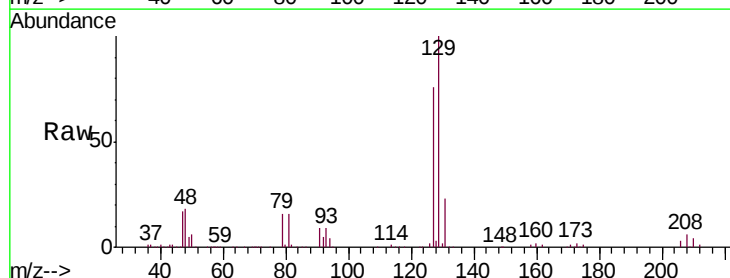
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

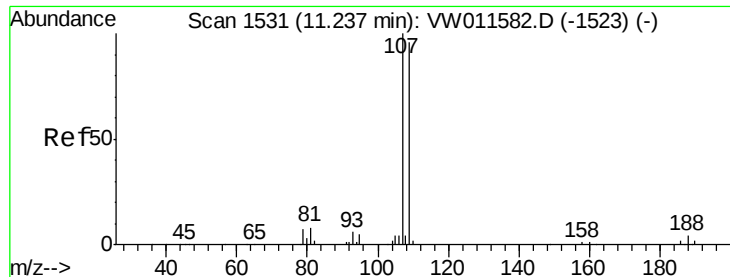
Tgt Ion: 43 Resp: 224317
Ion Ratio Lower Upper
43 100
58 48.9 38.6 57.8
57 17.3 13.0 19.6
100 9.4 7.5 11.3



#50
Dibromochloromethane
Concen: 24.774 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

Tgt Ion: 129 Resp: 94790
Ion Ratio Lower Upper
129 100
127 76.3 52.6 97.6

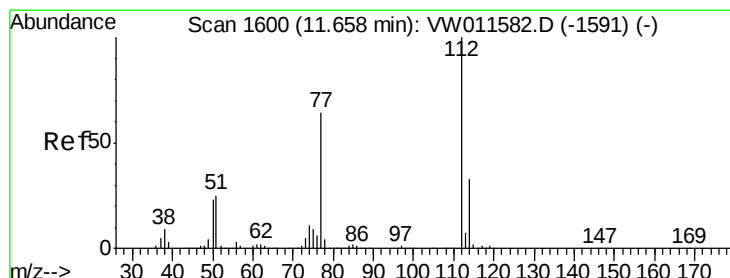
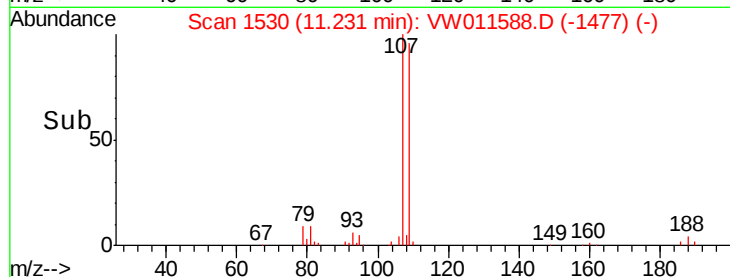
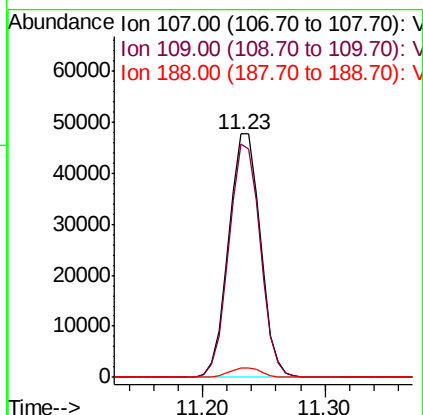
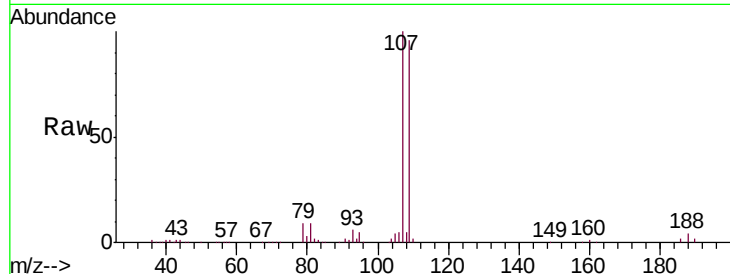




#51
1,2-Dibromoethane
Concen: 25.414 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

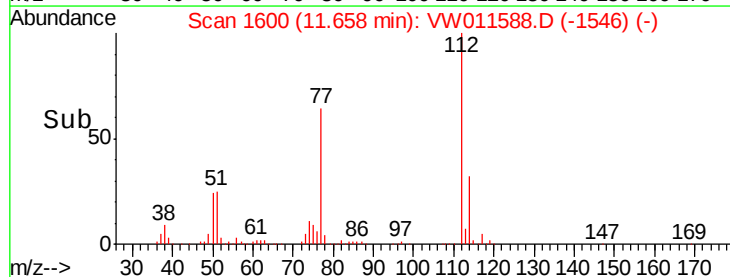
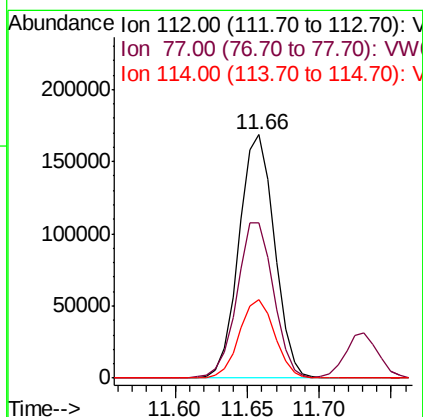
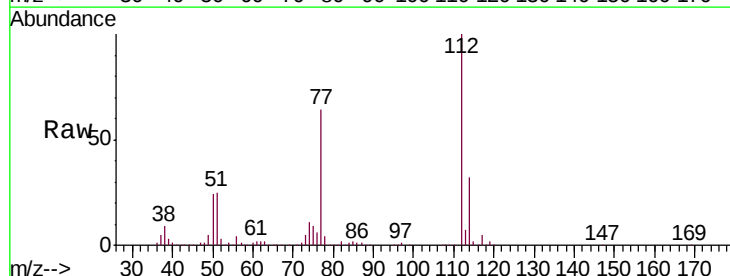
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

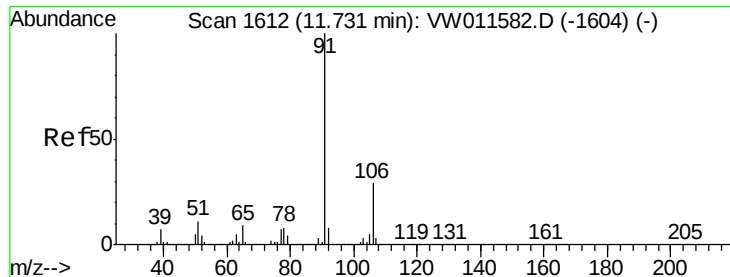
Tgt Ion:107 Resp: 85843
Ion Ratio Lower Upper
107 100
109 95.8 66.1 122.8
188 3.9 2.9 4.3



#52
Chlorobenzene
Concen: 24.656 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011588.D
Acq: 31 Jul 2019 17:12

Tgt Ion:112 Resp: 288273
Ion Ratio Lower Upper
112 100
77 64.0 51.0 76.4
114 32.0 22.4 41.6





#53

Ethylbenzene

Concen: 25.527 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

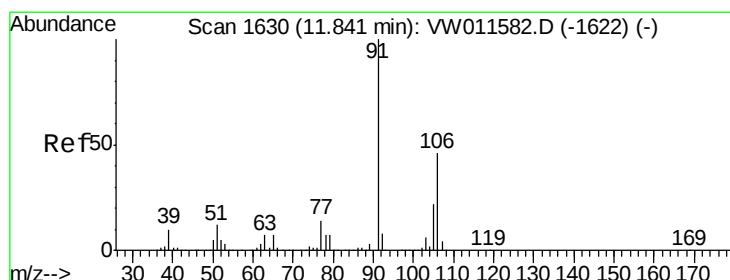
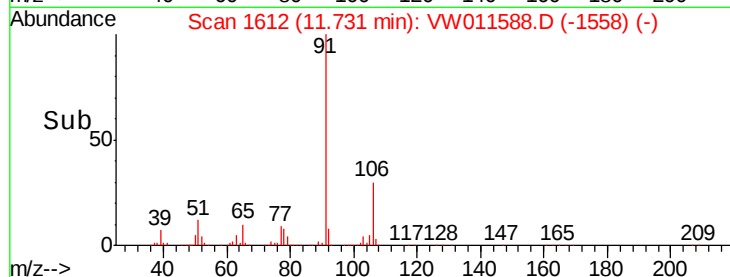
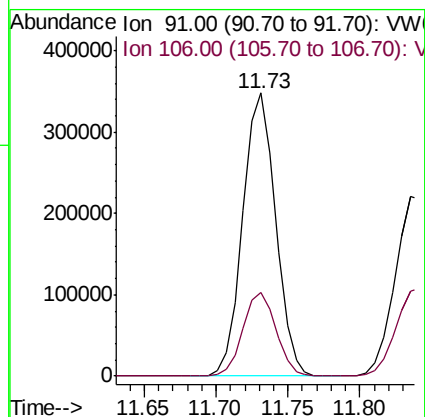
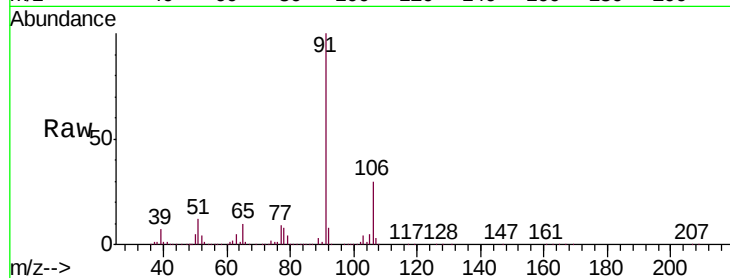
VSTD02526

Tgt Ion: 91 Resp: 551658

Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.4



#54

m,p-Xylene

Concen: 25.547 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011588.D

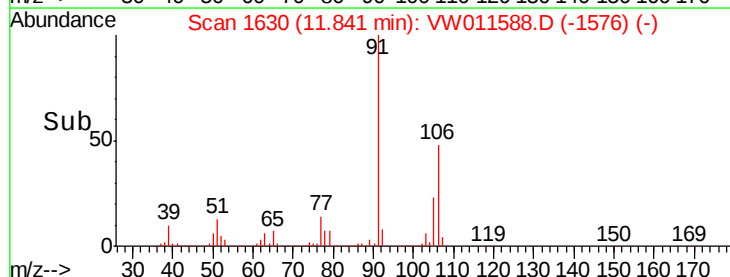
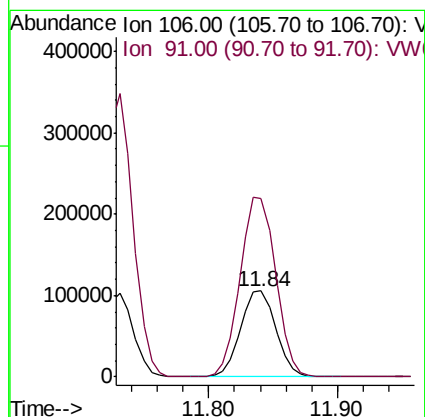
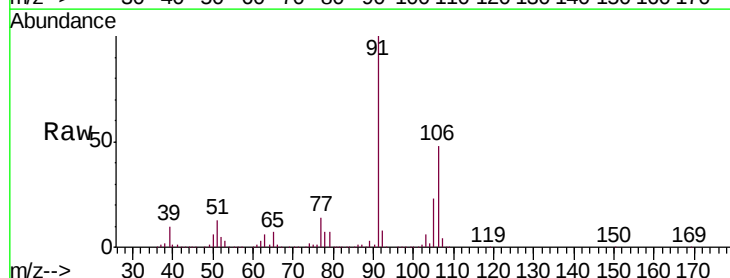
Acq: 31 Jul 2019 17:12

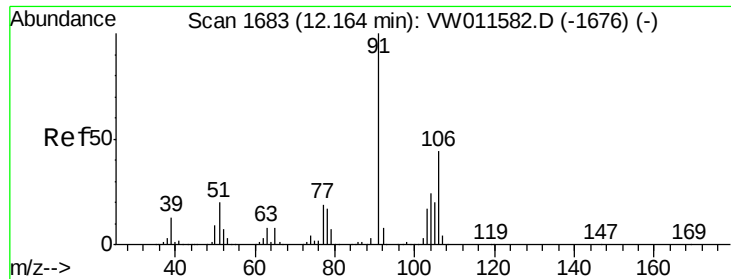
Tgt Ion: 106 Resp: 200760

Ion Ratio Lower Upper

106 100

91 206.7 149.6 277.8





#55

o-xylene

Concen: 25.515 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

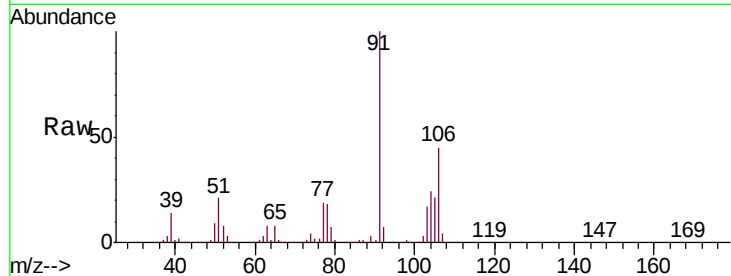
VSTD02526

Tgt Ion:106 Resp: 188697

Ion Ratio Lower Upper

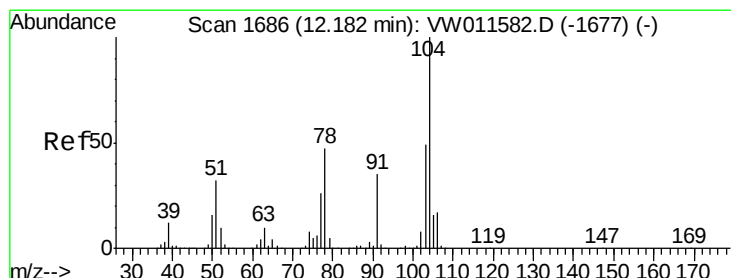
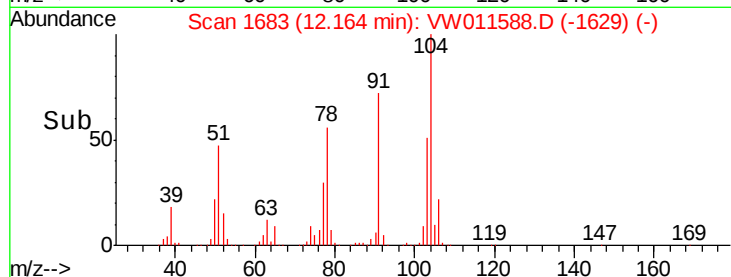
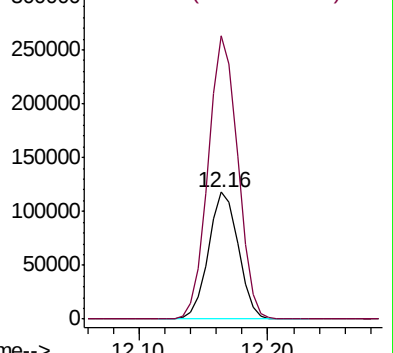
106 100

91 223.5 158.3 293.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.637 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011588.D

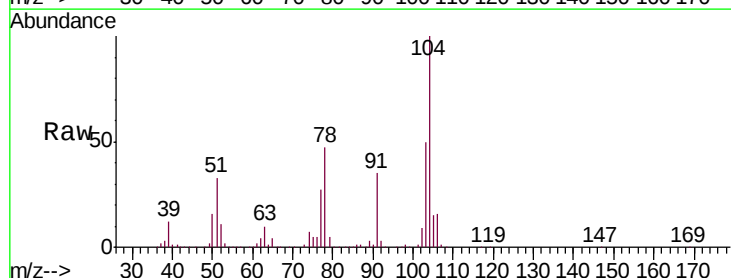
Acq: 31 Jul 2019 17:12

Tgt Ion:104 Resp: 322348

Ion Ratio Lower Upper

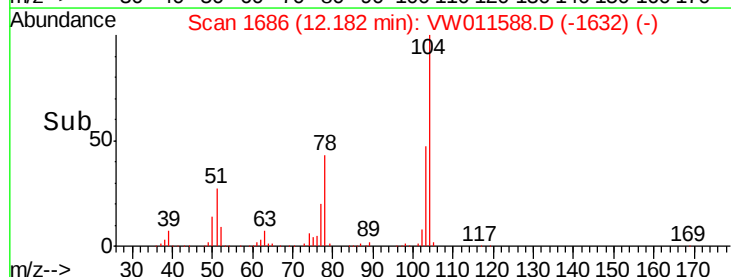
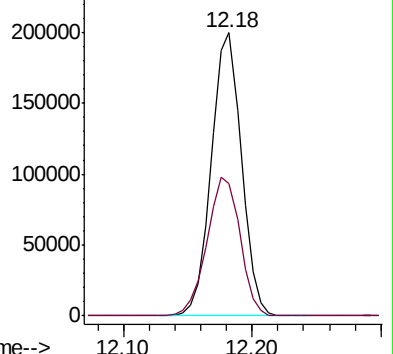
104 100

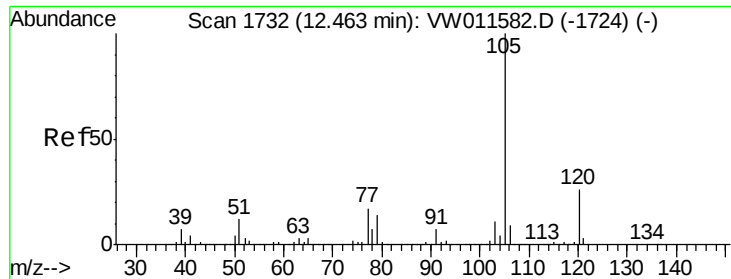
78 46.7 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.997 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

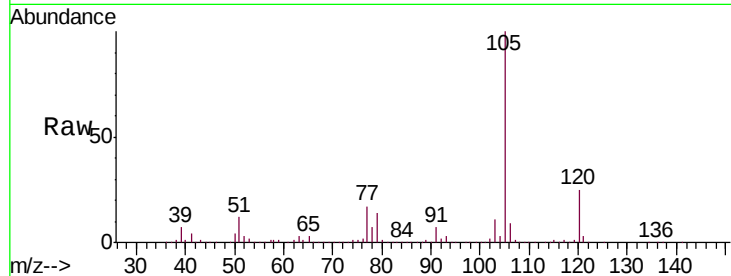
Tgt Ion: 105 Resp: 528941

Ion Ratio Lower Upper

105 100

120 25.4 20.6 30.8

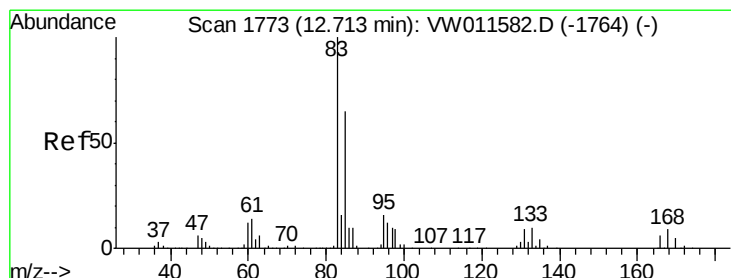
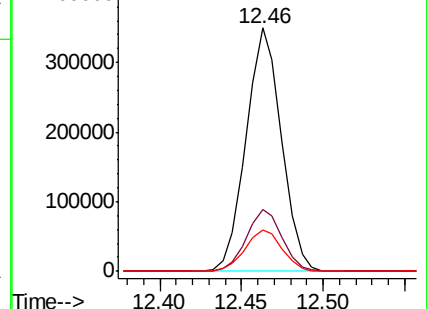
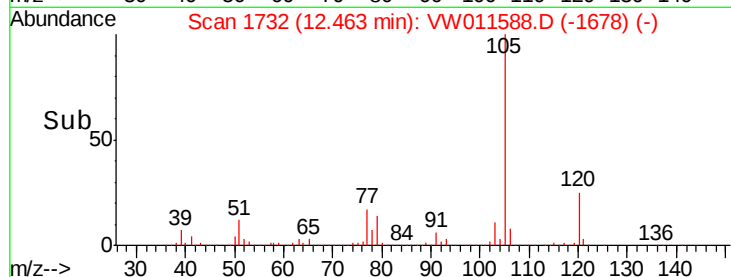
77 17.9 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.009 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

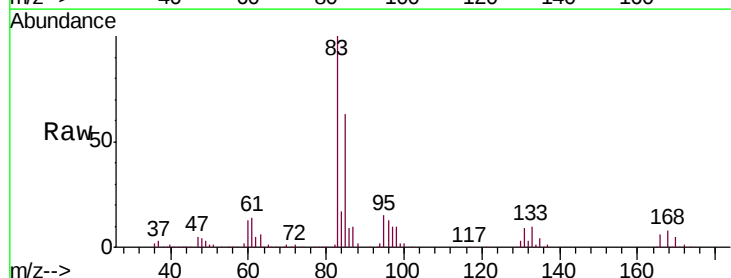
Tgt Ion: 83 Resp: 124591

Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.9

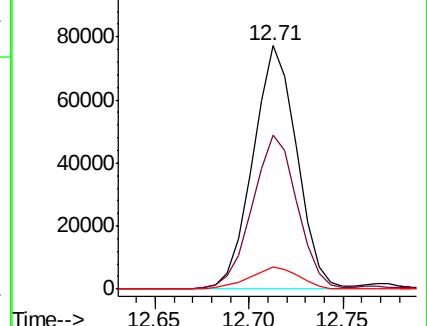
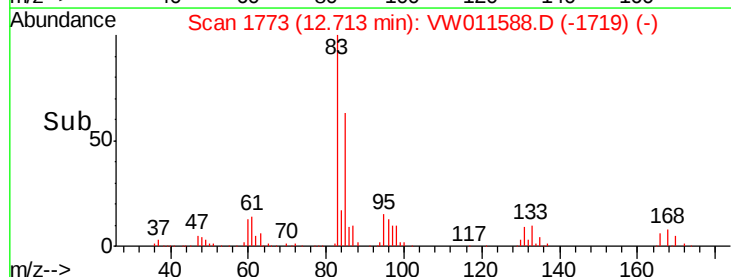
131 9.0 7.5 11.3

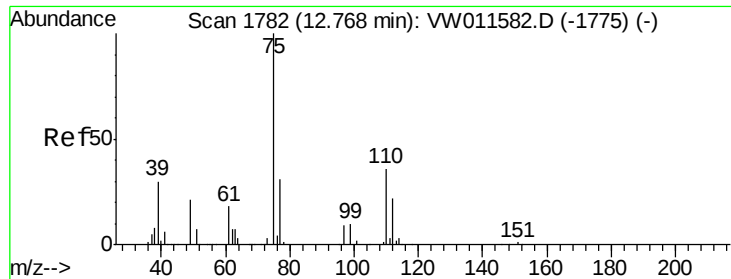


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

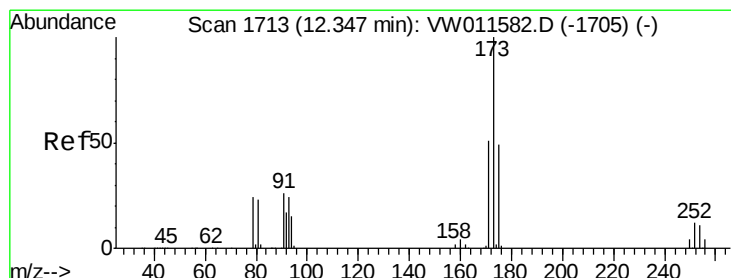
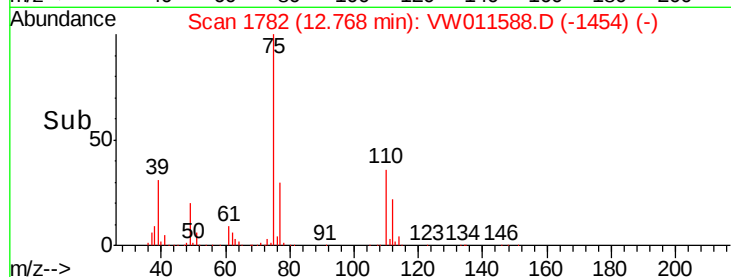
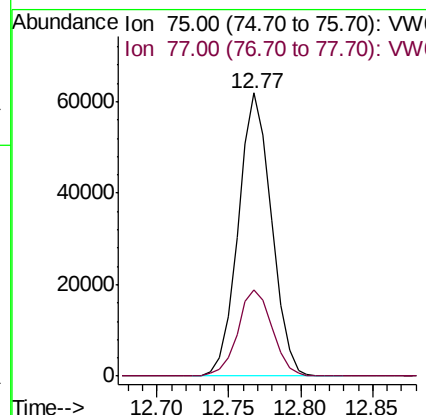
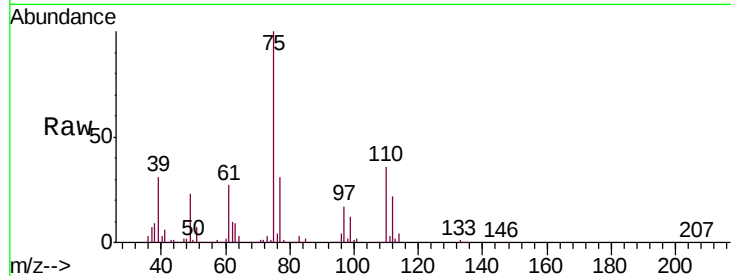




#59
 1,2,3-Trichloropropane
 Concen: 27.864 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

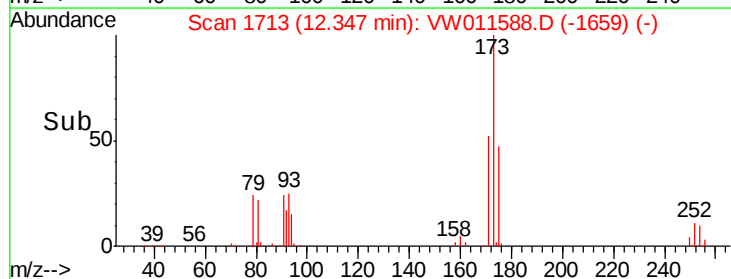
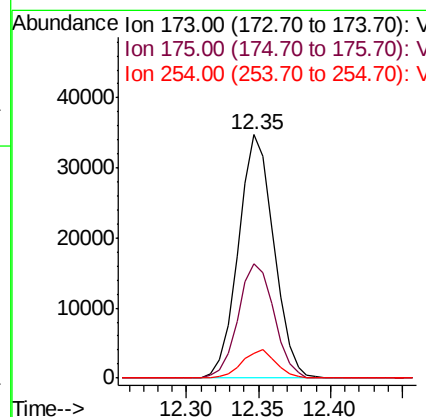
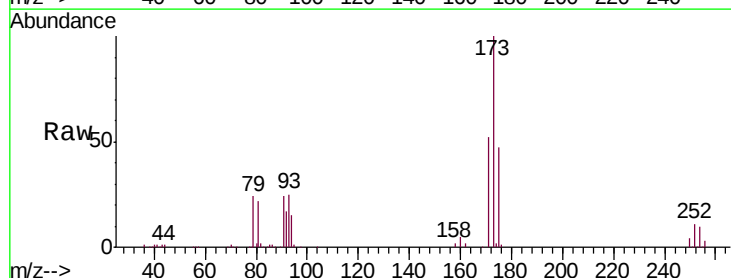
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

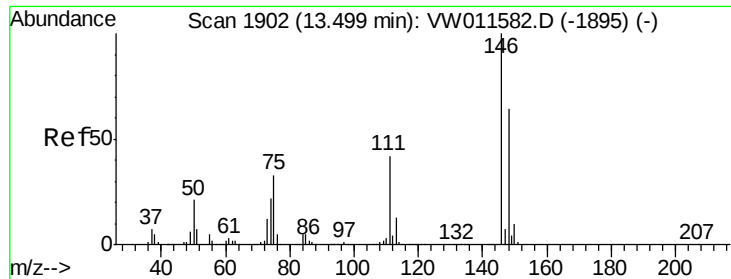
Tgt Ion: 75 Resp: 99137
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.1 37.7



#62
 Bromoform
 Concen: 24.583 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Tgt Ion: 173 Resp: 59397
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.4 59.0
 254 11.1 9.0 13.6

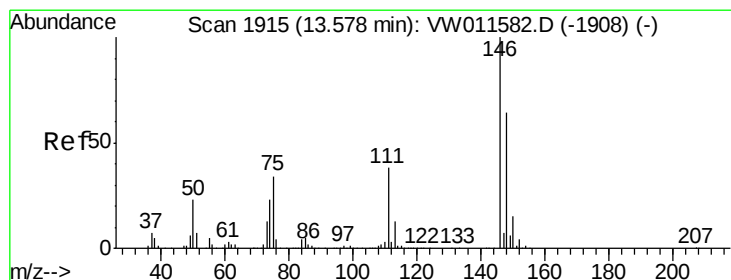
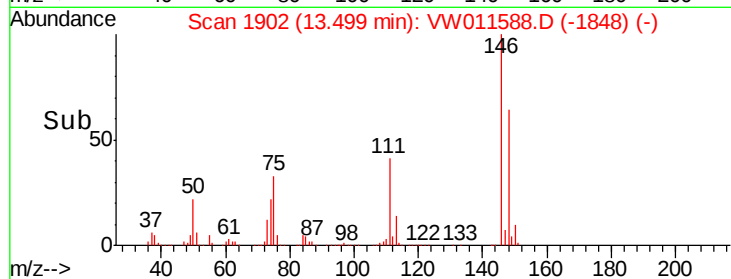
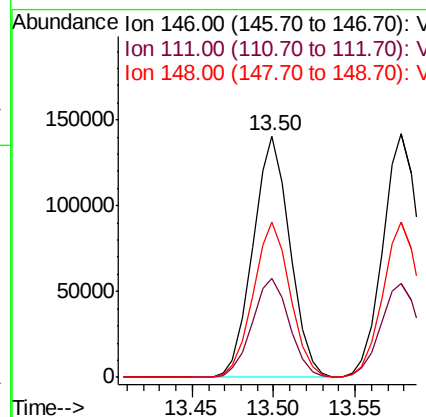
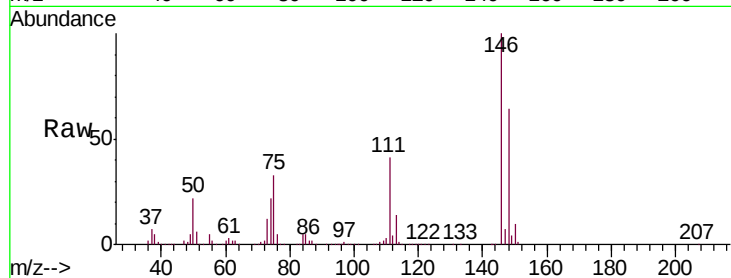




#63
 1,3-Dichlorobenzene
 Concen: 24.123 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

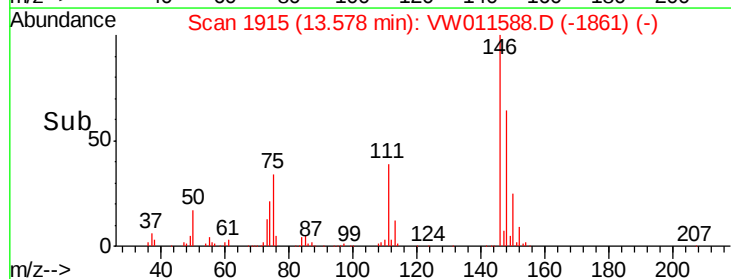
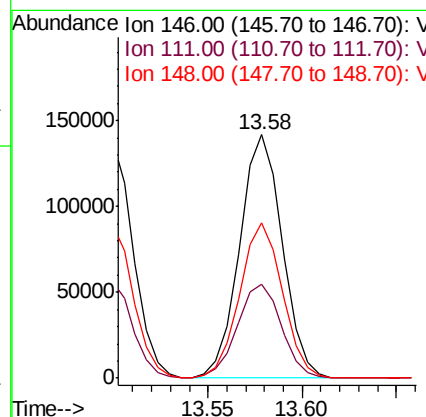
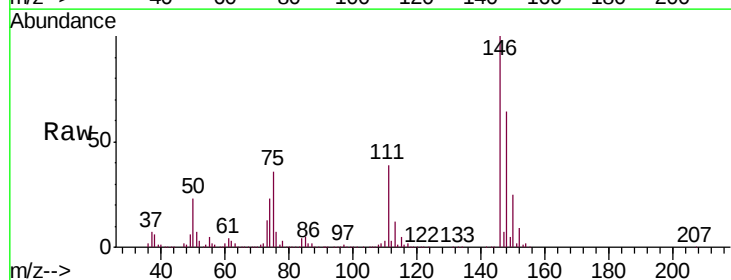
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

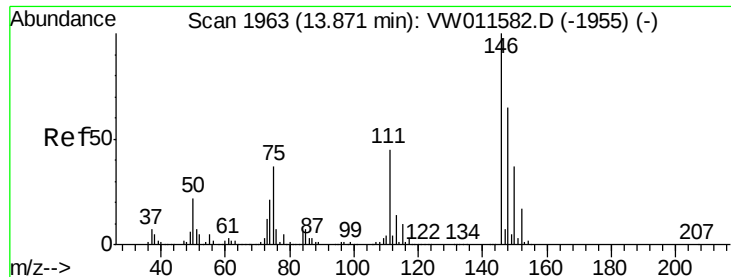
Tgt Ion:146 Resp: 221109
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.6 53.2
 148 64.2 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.092 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Tgt Ion:146 Resp: 221761
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.4 51.0
 148 63.9 44.4 82.5

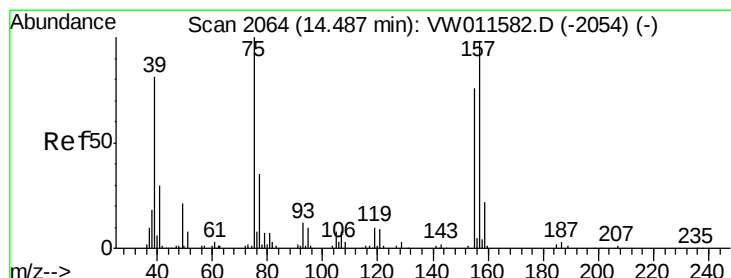
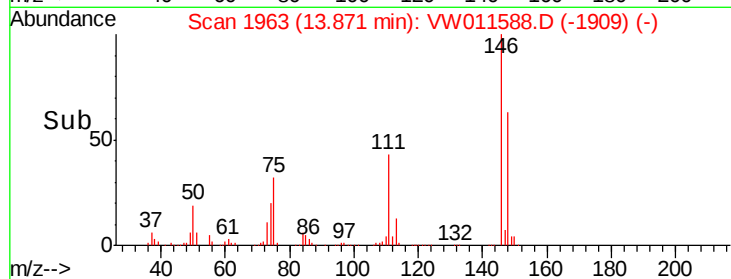
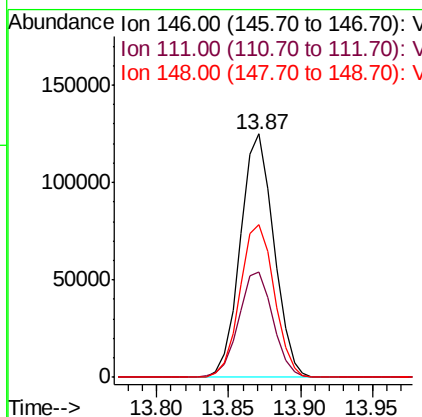
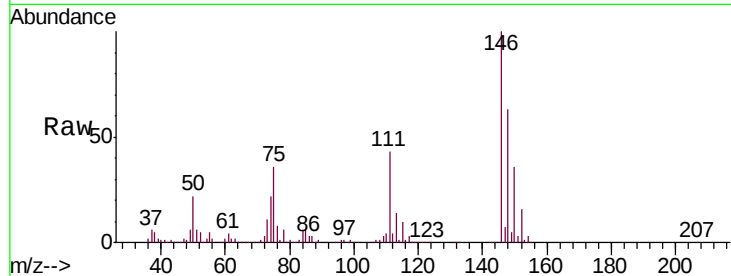




#65
 1,2-Dichlorobenzene
 Concen: 24.313 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

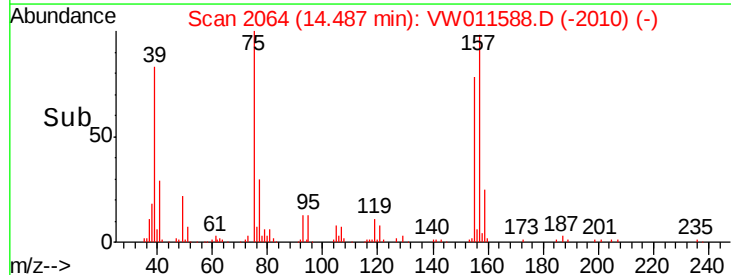
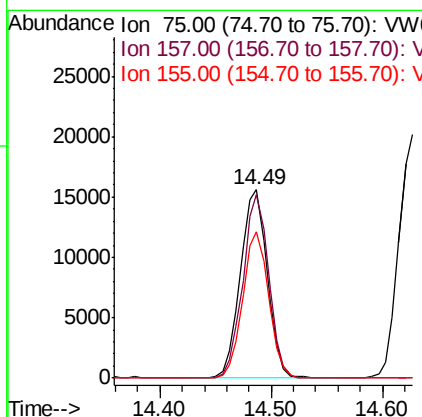
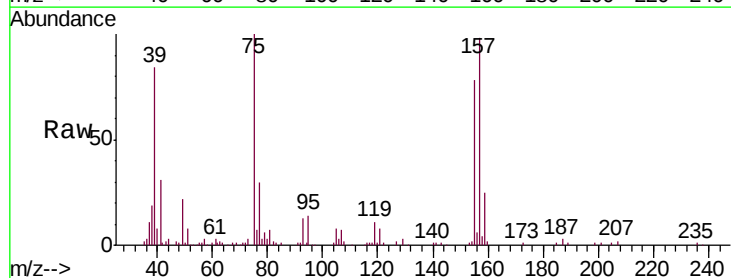
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

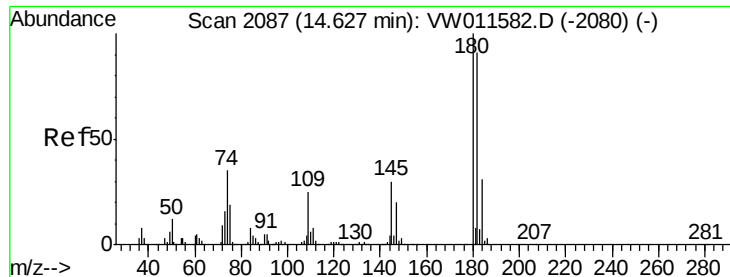
Tgt Ion: 146 Resp: 201795
 Ion Ratio Lower Upper
 146 100
 111 43.1 34.6 51.8
 148 62.8 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.491 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Tgt Ion: 75 Resp: 26193
 Ion Ratio Lower Upper
 75 100
 157 97.5 79.3 118.9
 155 78.1 59.9 89.9

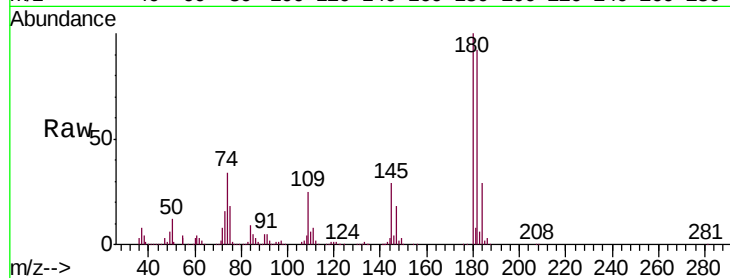




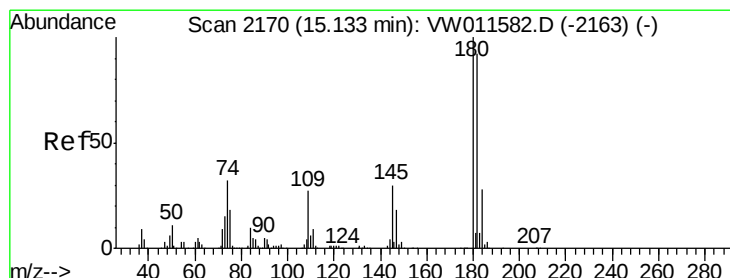
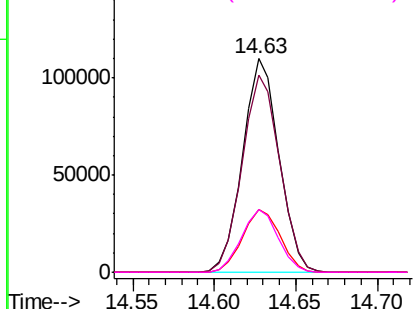
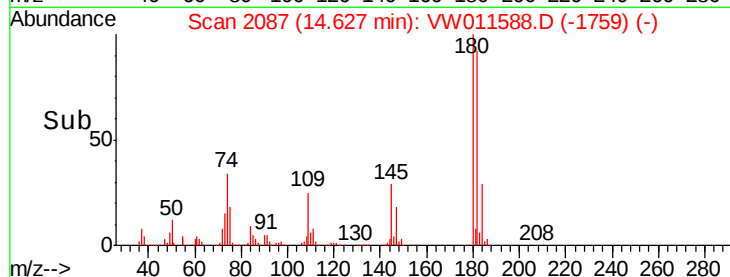
#67
 1,3,5-Trichlorobenzene
 Concen: 25.276 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tgt Ion:180 Resp: 170522
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.9 113.9
 184 30.6 24.2 36.2
 145 29.7 23.0 34.6

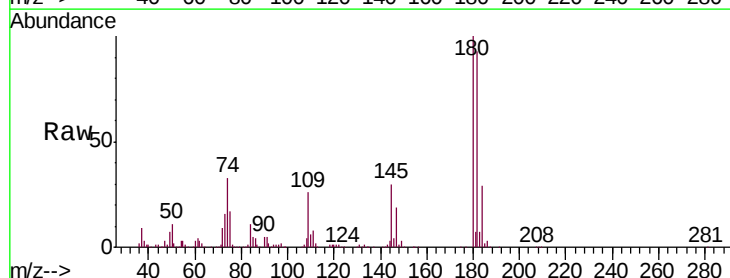


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

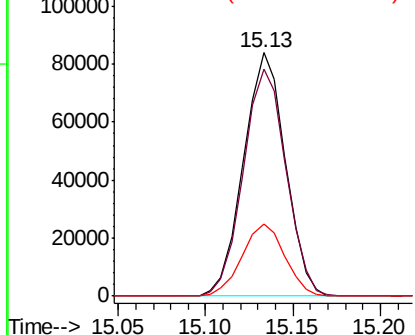
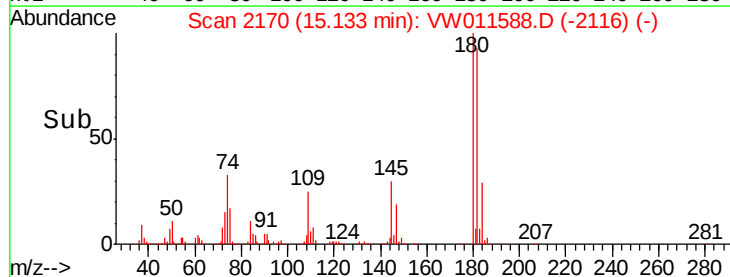


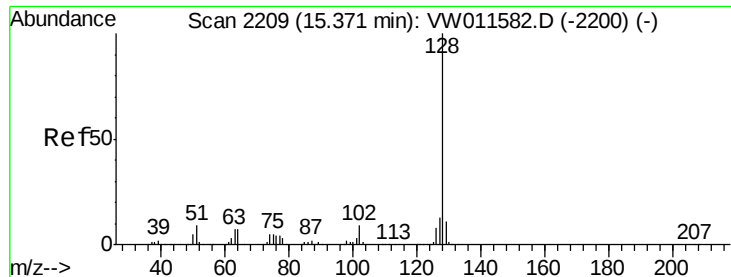
#68
 1,2,4-trichlorobenzene
 Concen: 25.727 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011588.D
 Acq: 31 Jul 2019 17:12

Tgt Ion:180 Resp: 139786
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.3 115.9
 145 30.3 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.976 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

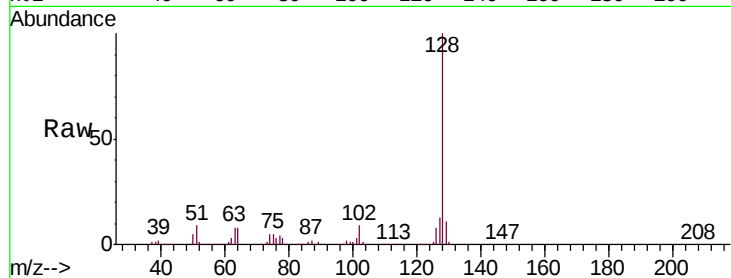
Tgt Ion:128 Resp: 306105

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

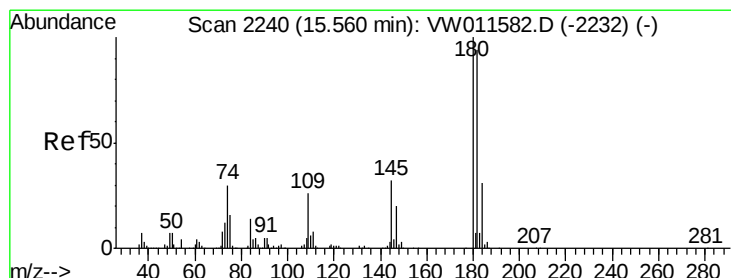
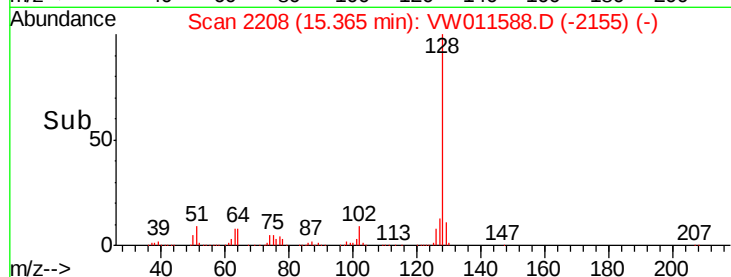
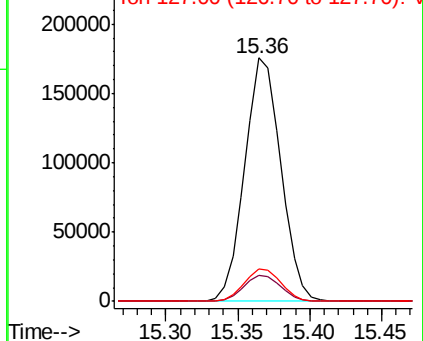
127 13.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.183 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011588.D

Acq: 31 Jul 2019 17:12

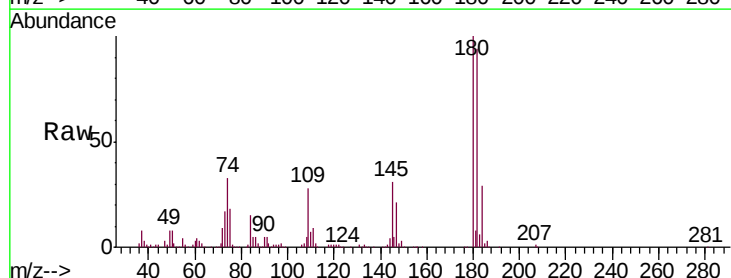
Tgt Ion:180 Resp: 126723

Ion Ratio Lower Upper

180 100

182 95.9 74.9 112.3

145 31.5 25.6 38.4



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

