

Data File : VW011506.D
Acq On : 25 Jul 2019 18:26
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Quant Time: Jul 26 01:10:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 01:06:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	387457	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349025	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168610	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	113113	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.48%
7) Chloroethane-d5	2.89	69	88112	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
10) 1,1-Dichloroethene-d2	4.02	63	274531	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.72%
20) 2-Butanone-d5	7.07	46	108724	49.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.72%
24) Chloroform-d	7.65	84	243303	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	8.31	65	145144	24.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.40%
29) Benzene-d6	8.27	84	483645	23.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.68%
33) 1,2-Dichloropropane-d6	9.27	67	163435	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
37) Toluene-d8	10.32	98	428788	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.68%
38) trans-1,3-Dichloropropene-	10.58	79	69831	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.60%
39) 2-Hexanone-d5	10.93	63	74424	50.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134177	24.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	149878	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	128118	27.107	ug/L 97
3) Chloromethane	2.21	50	131330	22.901	ug/L 98
5) Vinyl chloride	2.36	62	172271	25.507	ug/L 99
6) Bromomethane	2.78	94	81667	25.047	ug/L 99
8) Chloroethane	2.92	64	90417	25.141	ug/L 94
9) Trichlorofluoromethane	3.26	101	74798	23.285	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	135278	26.241	ug/L 99
12) 1,1-Dichloroethene	4.04	96	130694	25.396	ug/L 89
13) Acetone	4.12	43	103135	44.258	ug/L 98
14) Carbon disulfide	4.38	76	418137	25.059	ug/L 100
15) Methyl Acetate	4.67	43	89720	25.075	ug/L 99
16) Methylene chloride	4.92	84	142093	25.193	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	212290	26.092	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	133532	25.161	ug/L 99
19) 1,1-Dichloroethane	6.21	63	270332	25.645	ug/L 97
21) 2-Butanone	7.17	43	137776	46.006	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	142192	25.292	ug/L 98

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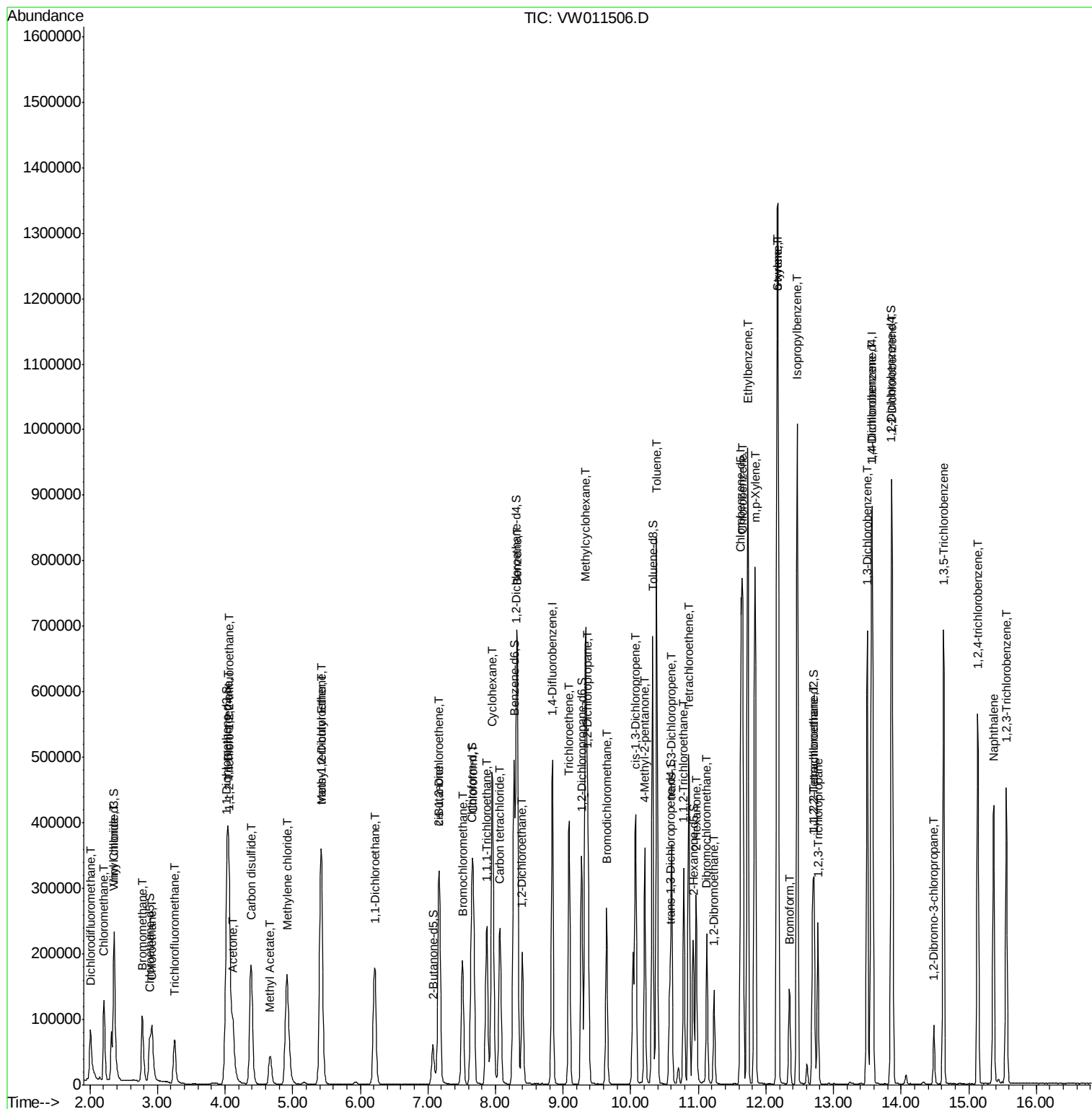
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59381	25.272	ug/L	97
25) Chloroform	7.67	83	249197	25.662	ug/L	100
27) 1,2-Dichloroethane	8.40	62	181688	25.671	ug/L	100
30) Cyclohexane	7.95	56	283508	24.937	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	192165	24.733	ug/L	100
32) Carbon tetrachloride	8.07	117	181600	25.152	ug/L	100
34) Benzene	8.32	78	564301	24.907	ug/L	100
35) Trichloroethene	9.09	95	139933	24.300	ug/L	99
36) Methylcyclohexane	9.34	83	261885	25.010	ug/L	99
40) 1,2-Dichloropropane	9.37	63	153849	25.275	ug/L	100
41) Bromodichloromethane	9.65	83	179571	25.231	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	227338	24.859	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	256355	49.194	ug/L	100
44) Toluene	10.38	91	586083	25.220	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	185565	24.691	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	102230	25.090	ug/L	97
47) Tetrachloroethene	10.86	164	108785	24.624	ug/L	96
49) 2-Hexanone	10.97	43	196075	49.848	ug/L	98
50) Dibromochloromethane	11.13	129	114352	25.354	ug/L	98
51) 1,2-Dibromoethane	11.24	107	98712	25.051	ug/L	98
52) Chlorobenzene	11.66	112	348562	24.872	ug/L	99
53) Ethylbenzene	11.73	91	652212	24.937	ug/L	100
54) m,p-Xylene	11.84	106	239077	24.959	ug/L	99
55) o-xylene	12.16	106	227746	25.227	ug/L	98
56) Styrene	12.18	104	393848	25.933	ug/L	99
57) Isopropylbenzene	12.46	105	619522	25.193	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	132660	25.064	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100134	24.762	ug/L	100
62) Bromoform	12.35	173	66112	24.773	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	266856	24.994	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	267692	24.684	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	246474	25.088	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22112	23.613	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	203629	25.001	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	171421	25.395	ug/L	100
69) Naphthalene	15.37	128	350021	25.473	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	156085	25.524	ug/L	100

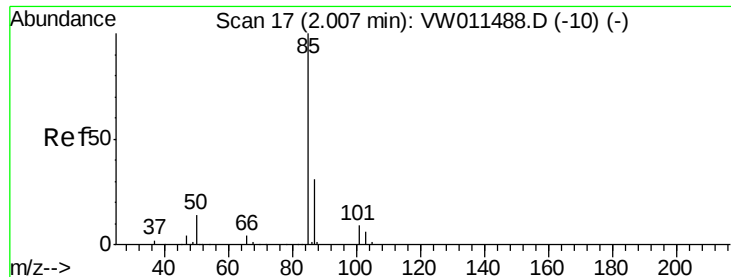
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.107 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

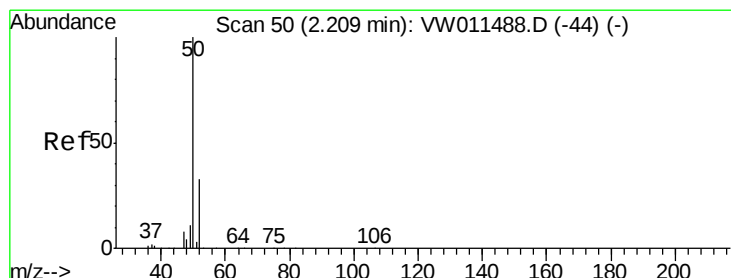
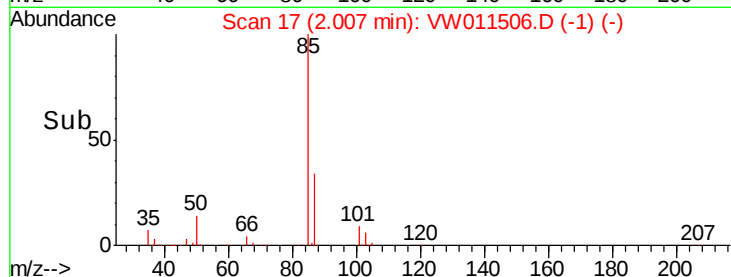
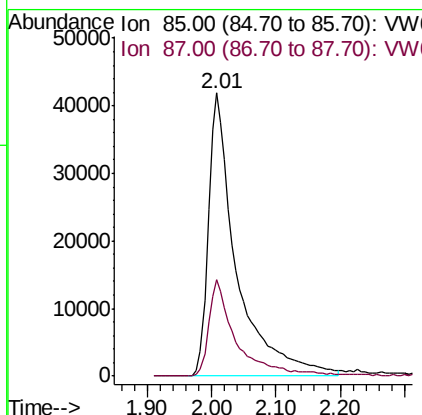
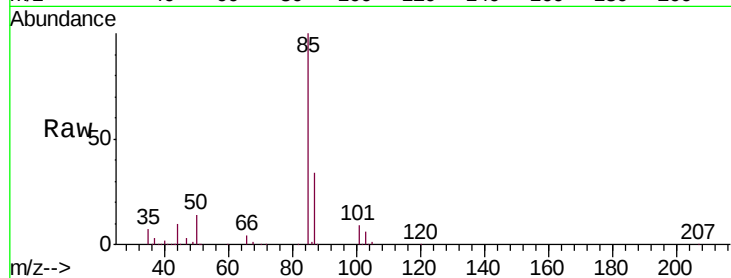
VSTD02520

Tgt Ion: 85 Resp: 128118

Ion Ratio Lower Upper

85 100

87 31.1 20.6 38.2



#3

Chloromethane

Concen: 22.901 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011506.D

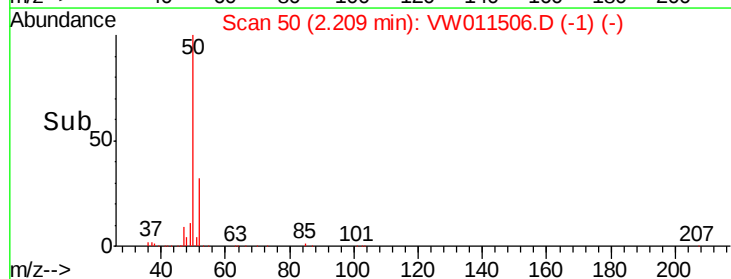
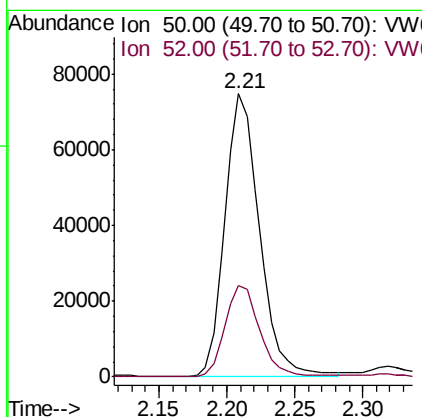
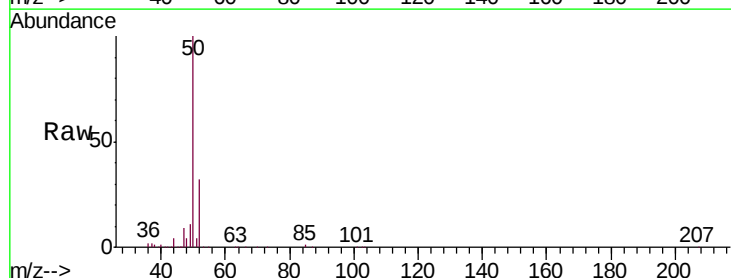
Acq: 25 Jul 2019 18:26

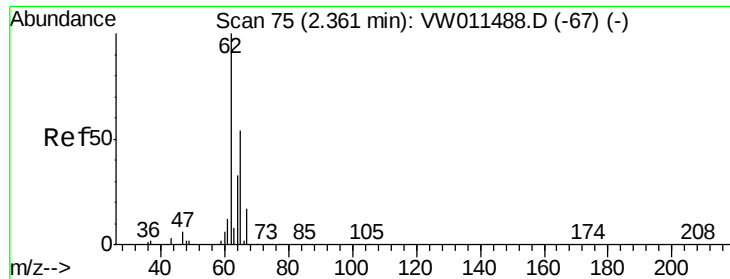
Tgt Ion: 50 Resp: 131330

Ion Ratio Lower Upper

50 100

52 32.4 22.0 41.0





#5

Vinyl chloride

Concen: 25.507 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

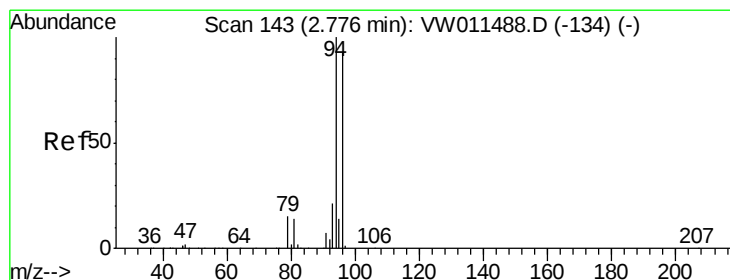
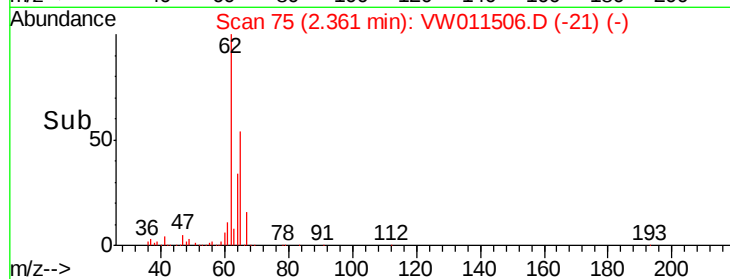
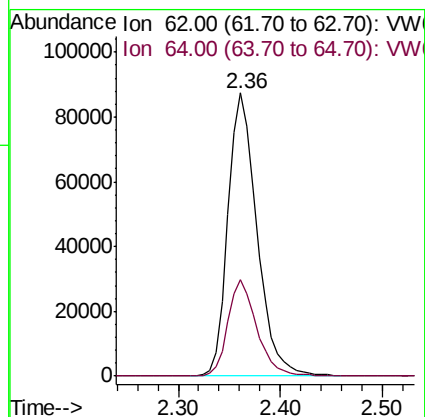
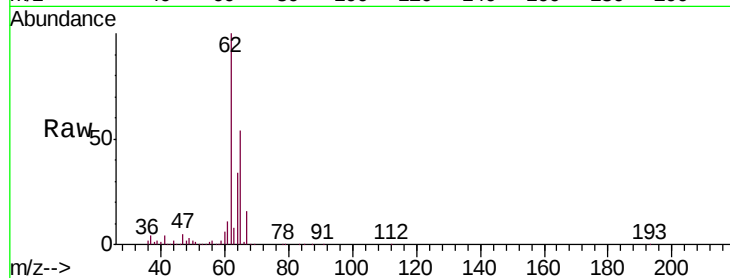
VSTD02520

Tgt Ion: 62 Resp: 172271

Ion Ratio Lower Upper

62 100

64 34.1 23.3 43.3



#6

Bromomethane

Concen: 25.047 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011506.D

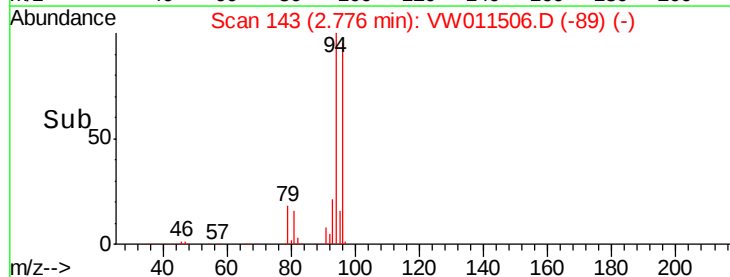
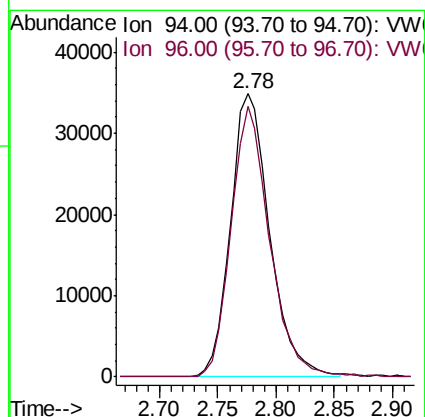
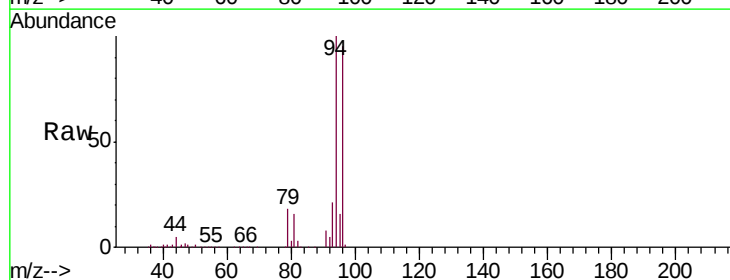
Acq: 25 Jul 2019 18:26

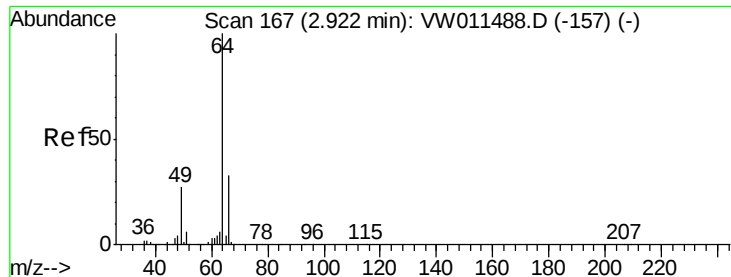
Tgt Ion: 94 Resp: 81667

Ion Ratio Lower Upper

94 100

96 93.6 9.4 178.8





#8

Chloroethane

Concen: 25.141 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

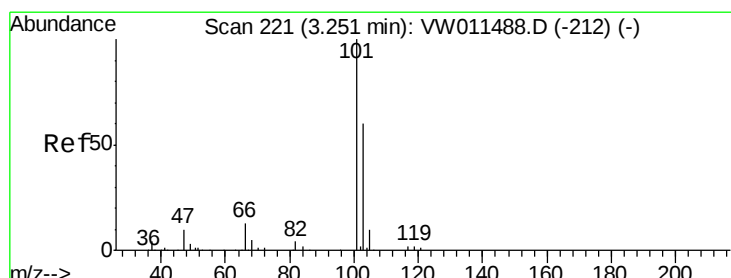
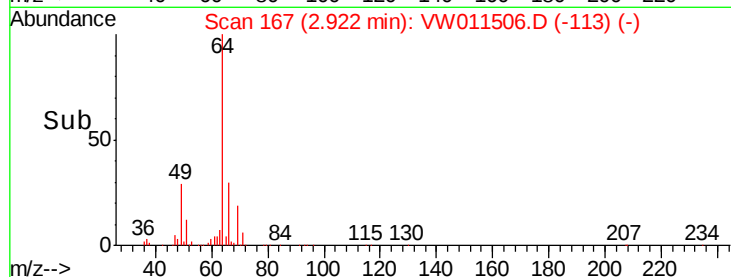
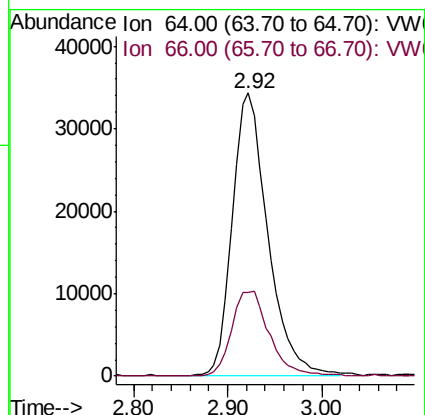
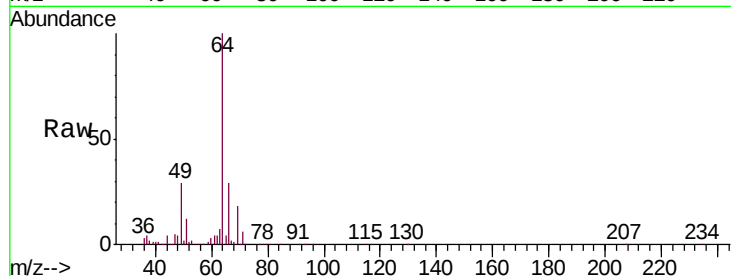
VSTD02520

Tgt Ion: 64 Resp: 90417

Ion Ratio Lower Upper

64 100

66 29.4 22.7 42.3



#9

Trichlorofluoromethane

Concen: 23.285 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW011506.D

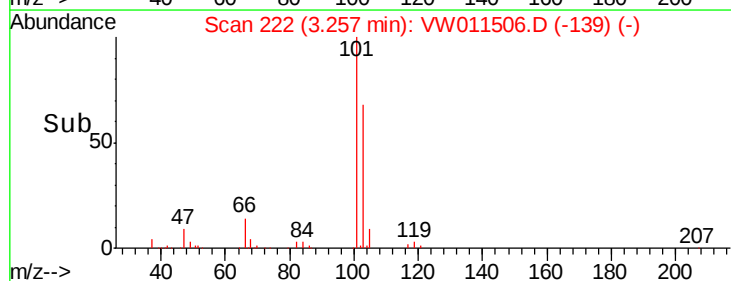
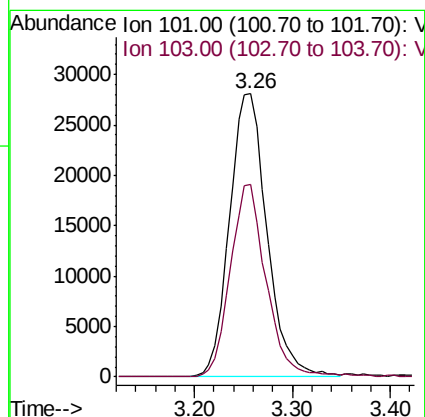
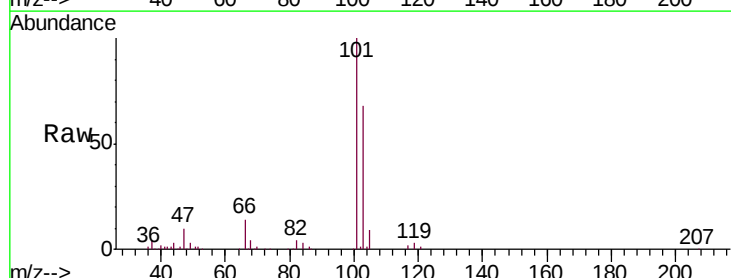
Acq: 25 Jul 2019 18:26

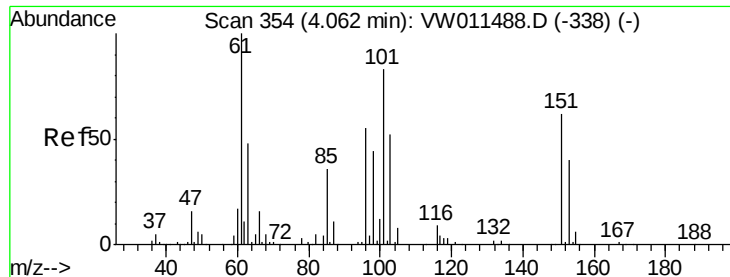
Tgt Ion: 101 Resp: 74798

Ion Ratio Lower Upper

101 100

103 64.4 45.2 84.0





#11

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

Concen: 26.241 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

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ClientSampleId :

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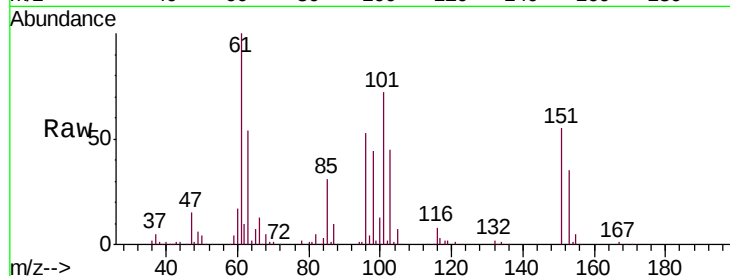
Tgt Ion: 101 Resp: 135278

Ion Ratio Lower Upper

101 100

85 42.6 35.2 52.8

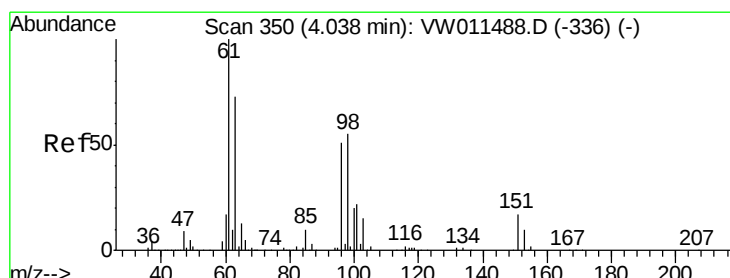
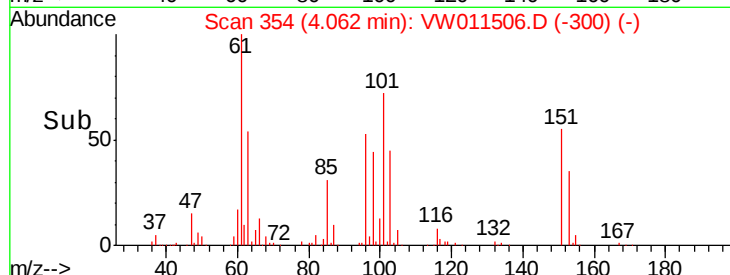
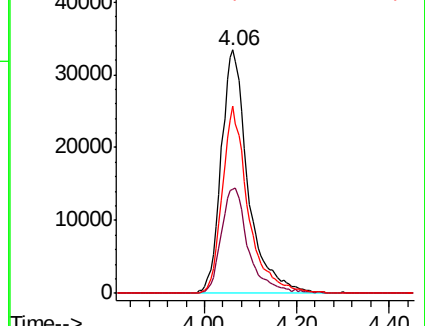
151 73.7 58.6 87.8



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: 25.396 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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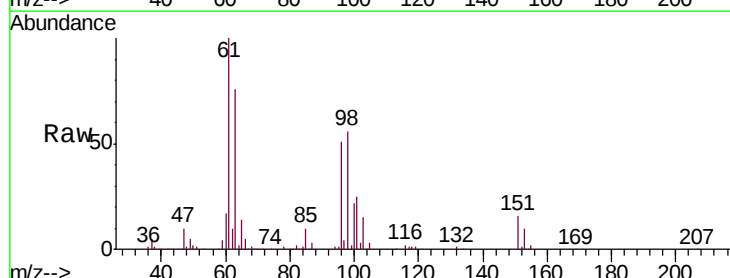
Tgt Ion: 96 Resp: 130694

Ion Ratio Lower Upper

96 100

61 197.8 133.2 247.4

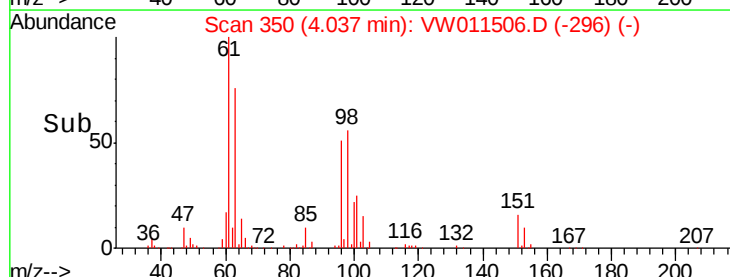
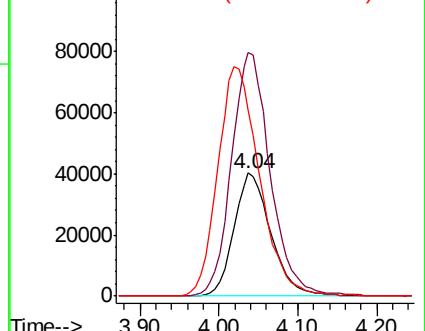
63 150.8 89.9 166.9

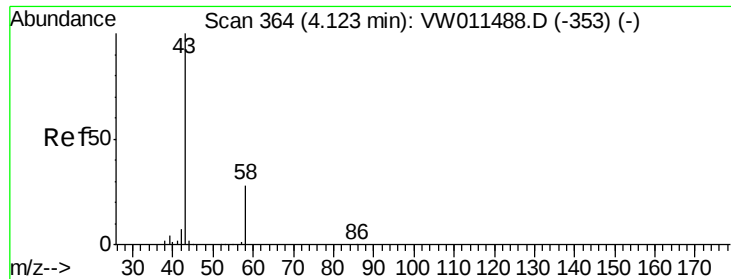


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.258 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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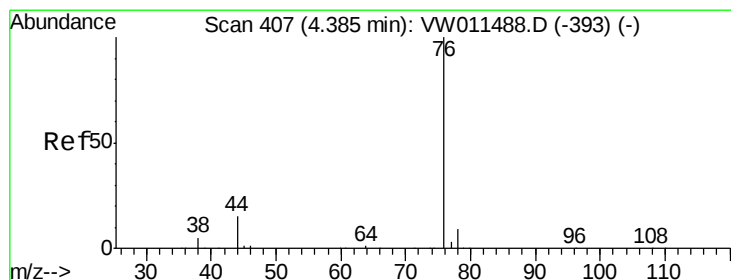
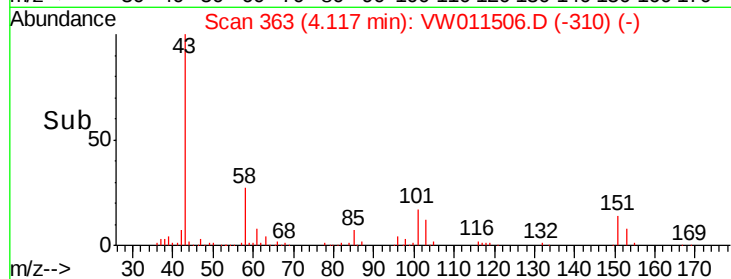
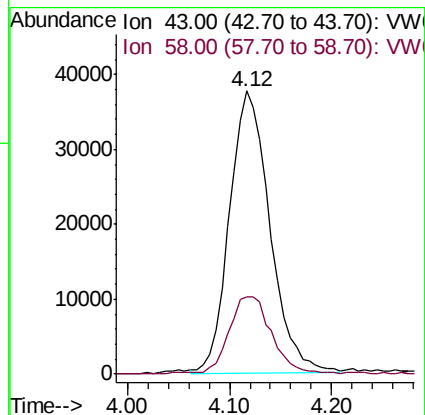
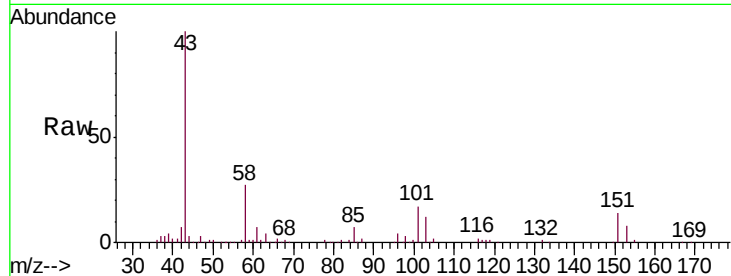
VSTD02520

Tgt Ion: 43 Resp: 103135

Ion Ratio Lower Upper

43 100

58 27.8 0.0 57.2



#14

Carbon disulfide

Concen: 25.059 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011506.D

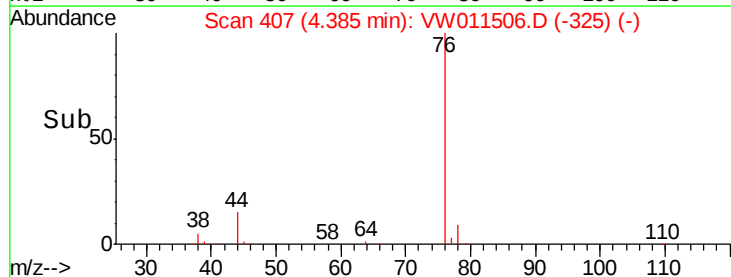
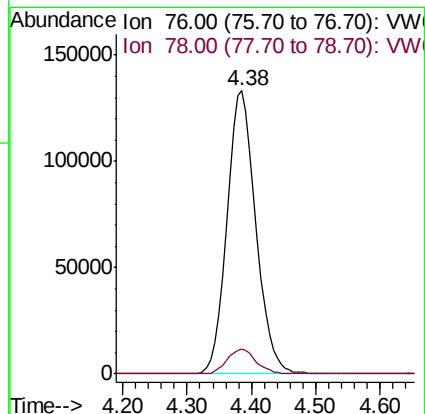
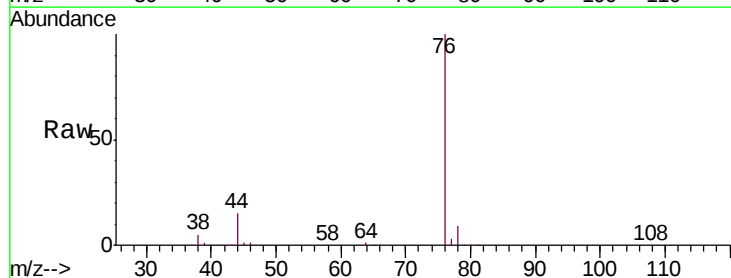
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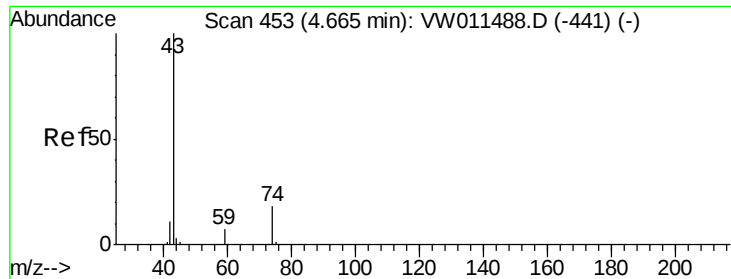
Tgt Ion: 76 Resp: 418137

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

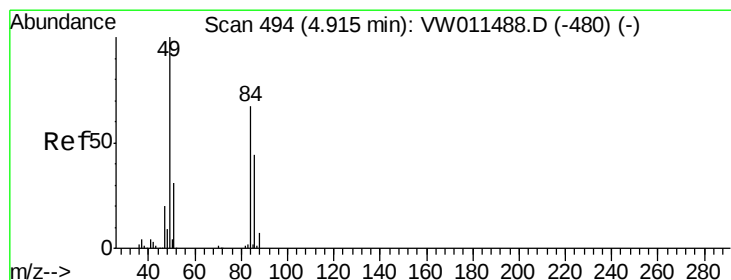
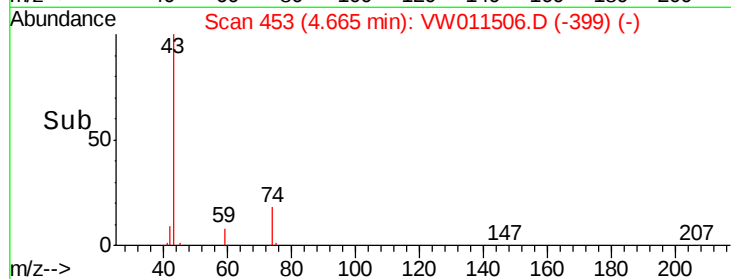
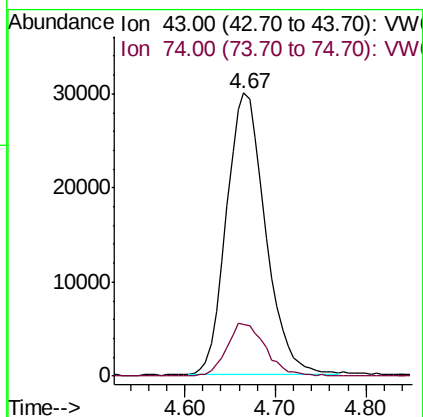
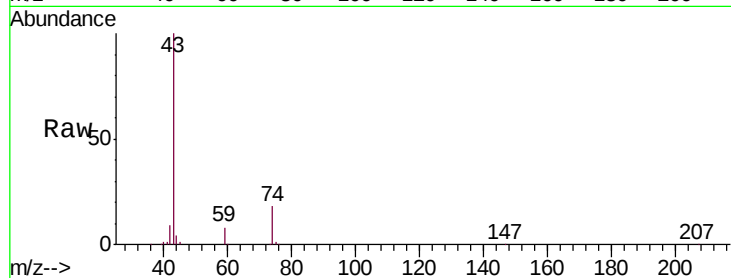




#15
Methyl Acetate
Concen: 25.075 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

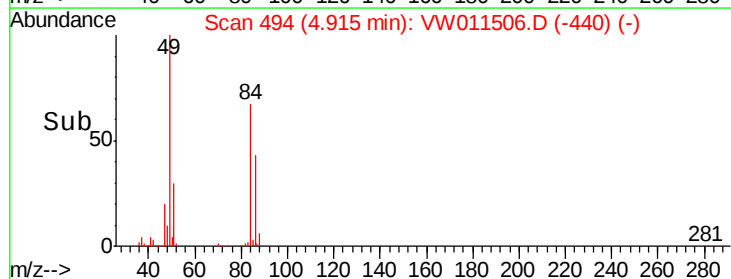
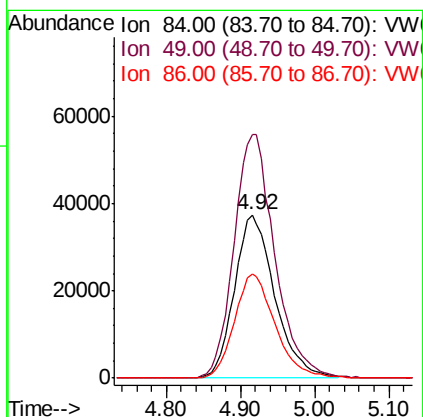
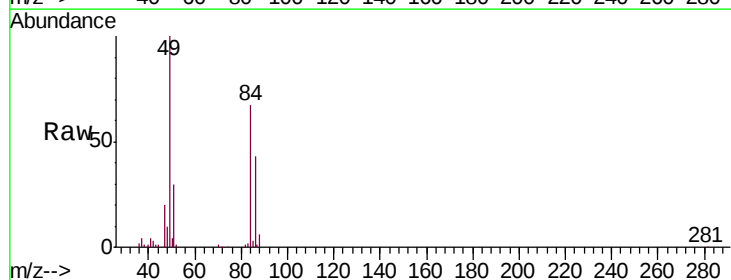
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

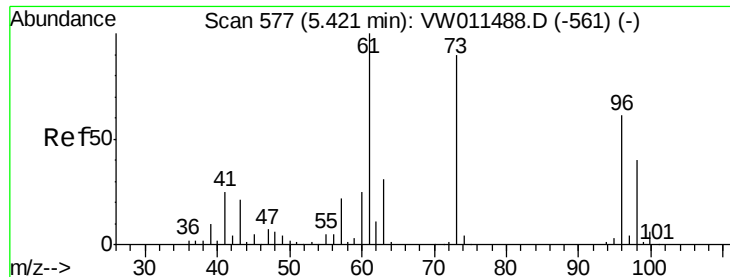
Tgt Ion: 43 Resp: 89720
Ion Ratio Lower Upper
43 100
74 18.6 15.2 22.8



#16
Methylene chloride
Concen: 25.193 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Tgt Ion: 84 Resp: 142093
Ion Ratio Lower Upper
84 100
49 148.6 104.0 193.2
86 63.6 44.0 81.8

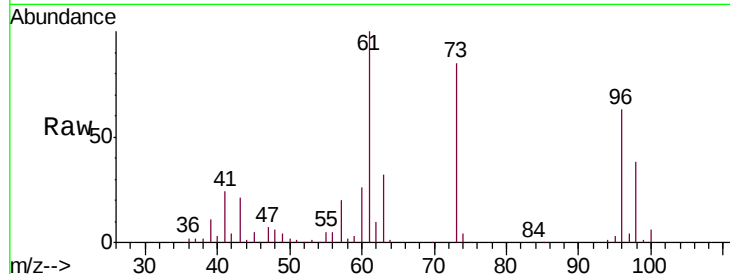




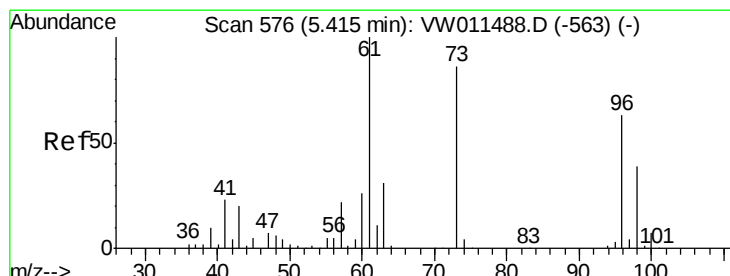
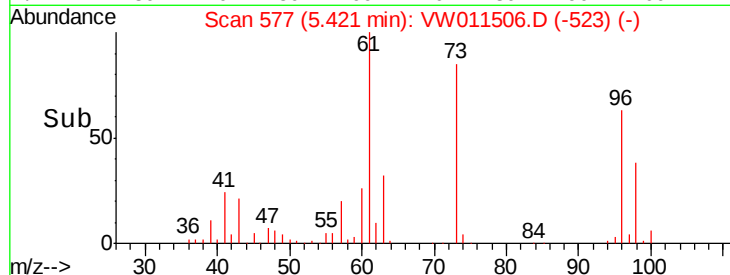
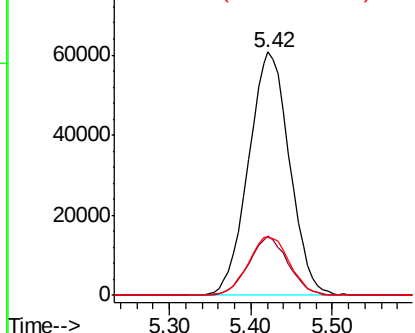
#17
Methyl tert-butyl Ether
Concen: 26.092 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Tgt Ion: 73 Resp: 212290
Ion Ratio Lower Upper
73 100
43 23.2 19.0 28.4
57 24.4 19.8 29.6

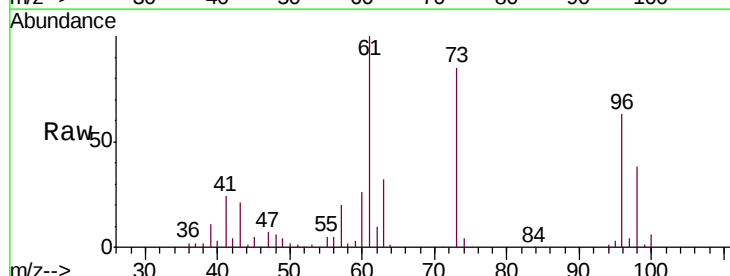


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

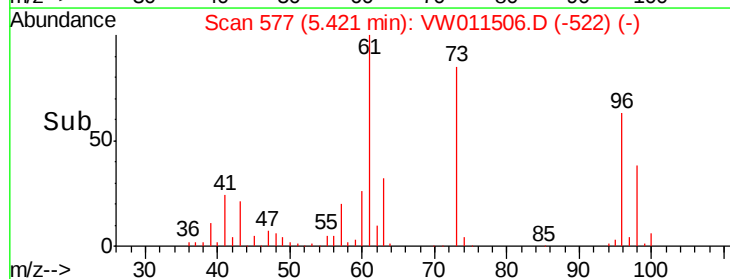
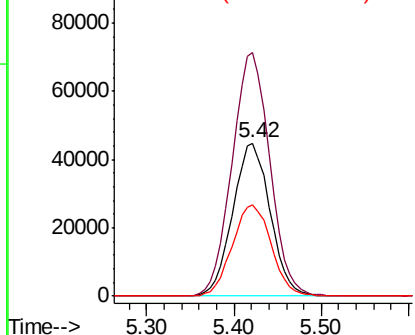


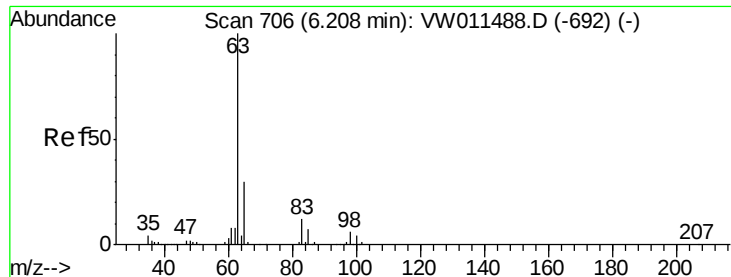
#18
trans-1,2-Dichloroethene
Concen: 25.161 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Tgt Ion: 96 Resp: 133532
Ion Ratio Lower Upper
96 100
61 159.4 111.7 207.5
98 59.9 43.4 80.6



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

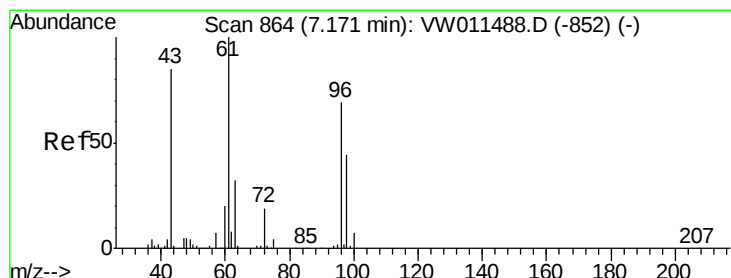
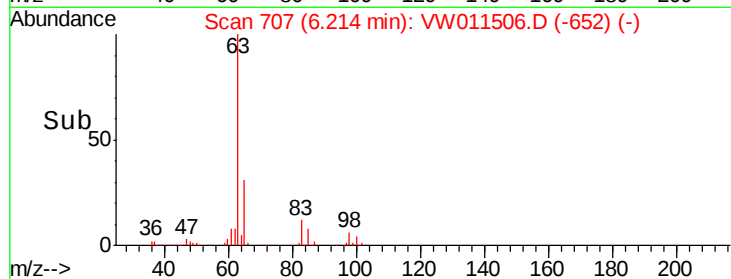
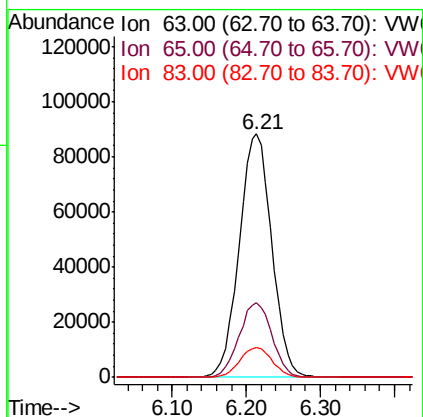
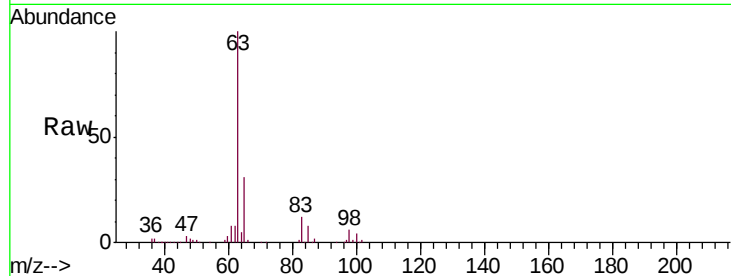




#19
 1,1-Dichloroethane
 Concen: 25.645 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

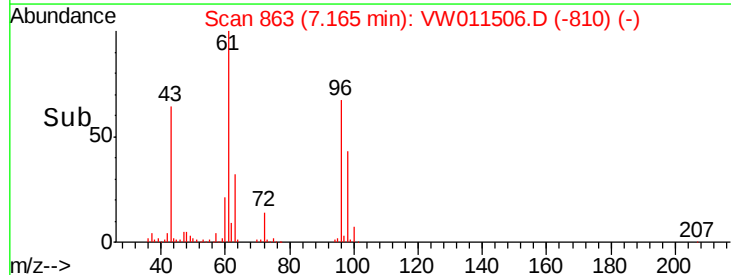
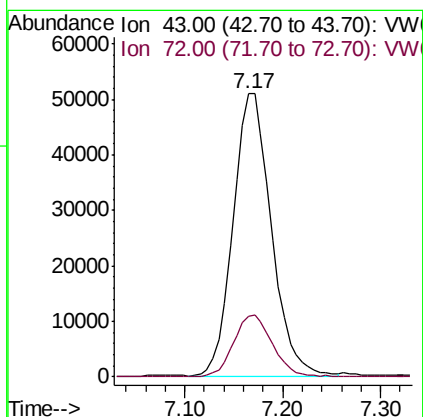
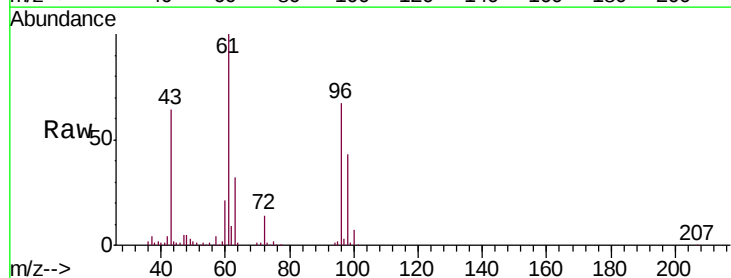
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

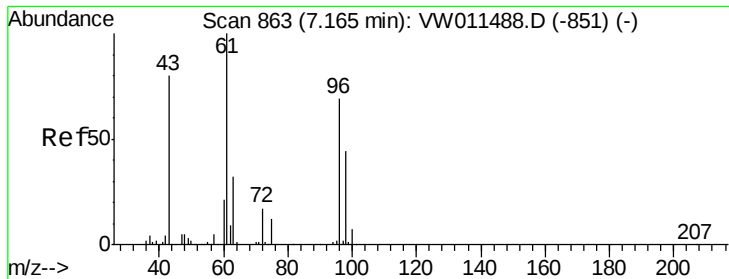
Tgt Ion: 63 Resp: 270332
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.8 42.4
 83 12.3 8.6 16.0



#21
 2-Butanone
 Concen: 46.006 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

Tgt Ion: 43 Resp: 137776
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.5 31.6



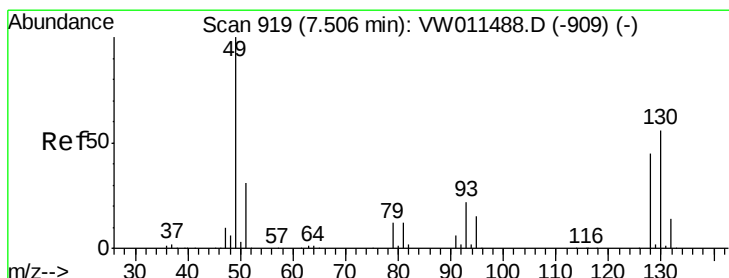
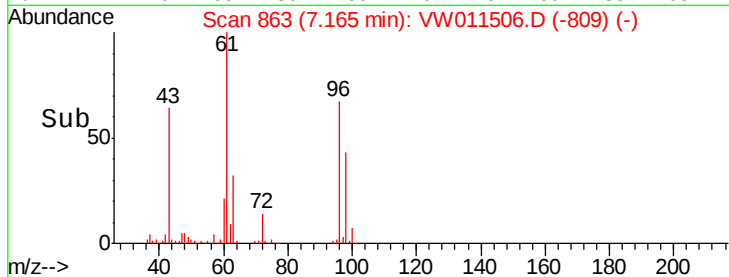
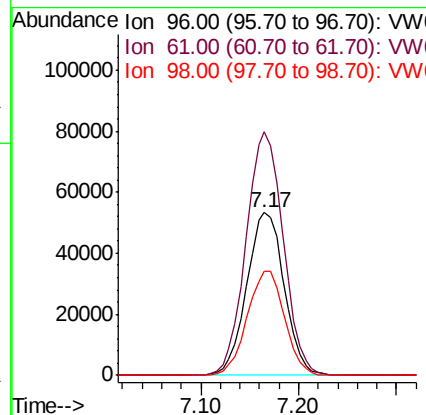
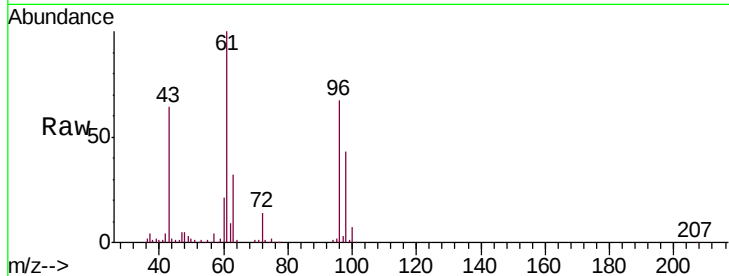


#22

cis-1,2-Dichloroethene
Concen: 25.292 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Instrument :
MSVOA_W
ClientSampled :
VSTD02520

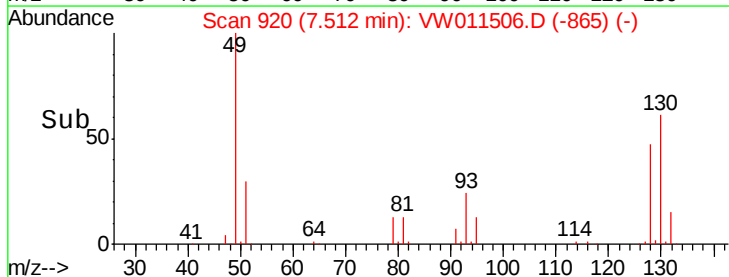
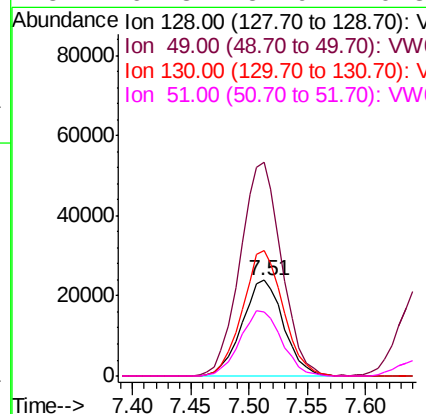
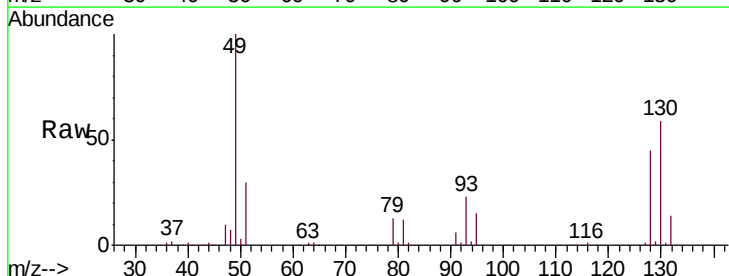
Tgt Ion: 96 Resp: 142192
Ion Ratio Lower Upper
96 100
61 149.5 101.8 189.0
98 64.2 45.4 84.2

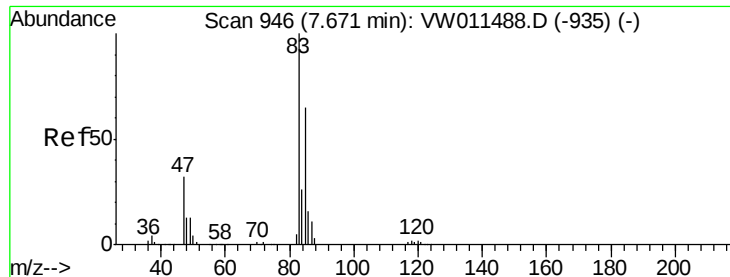


#23

Bromochloromethane
Concen: 25.272 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Tgt Ion: 128 Resp: 59381
Ion Ratio Lower Upper
128 100
49 223.7 152.0 282.2
130 131.8 89.8 166.8
51 67.3 52.9 79.3





#25

Chloroform

Concen: 25.662 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampled :

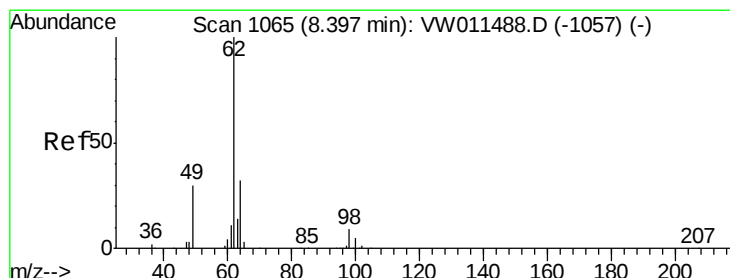
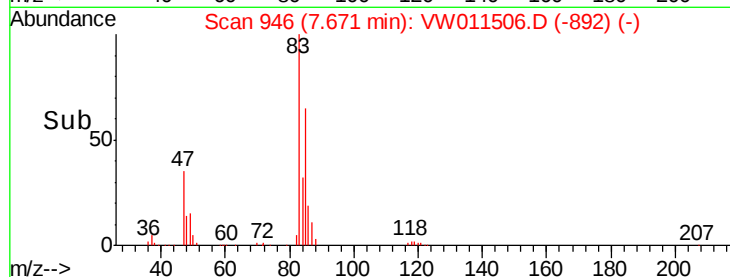
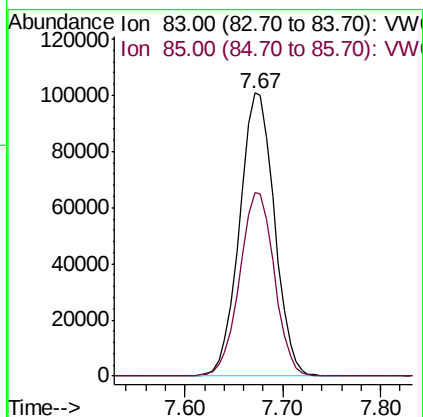
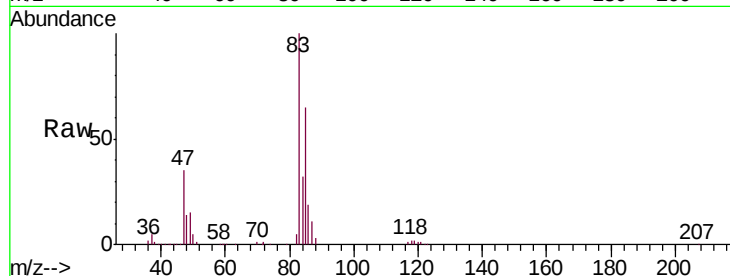
VSTD02520

Tgt Ion: 83 Resp: 249197

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9



#27

1,2-Dichloroethane

Concen: 25.671 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011506.D

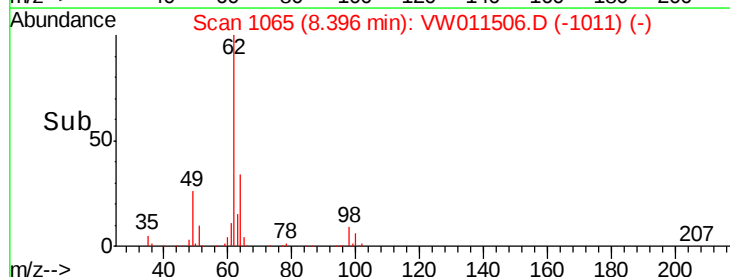
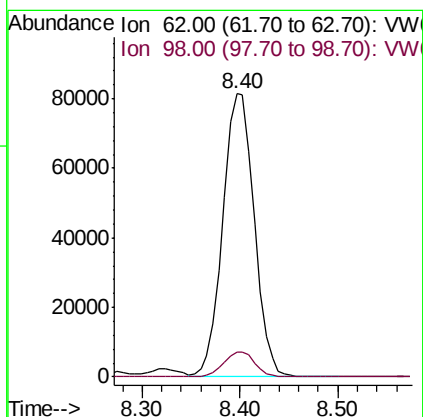
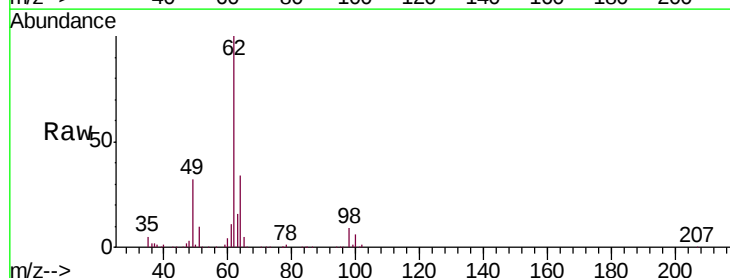
Acq: 25 Jul 2019 18:26

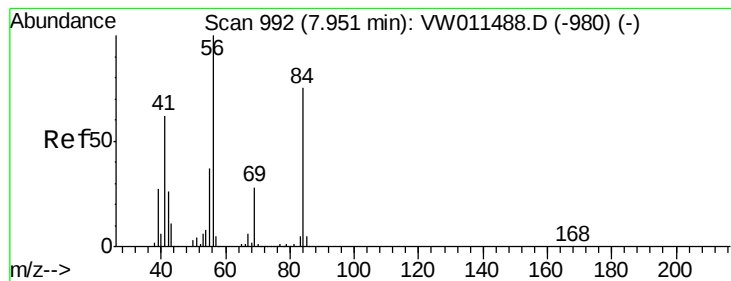
Tgt Ion: 62 Resp: 181688

Ion Ratio Lower Upper

62 100

98 8.9 7.1 10.7





#30

Cyclohexane

Concen: 24.937 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

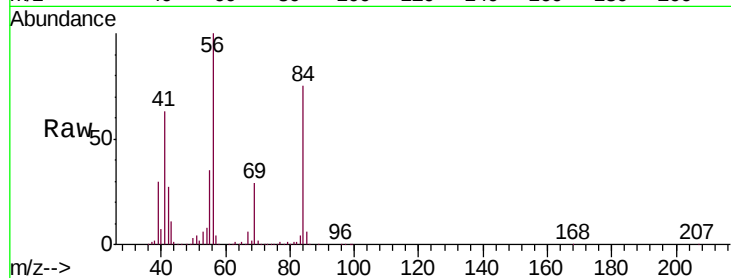
Tgt Ion: 56 Resp: 283508

Ion Ratio Lower Upper

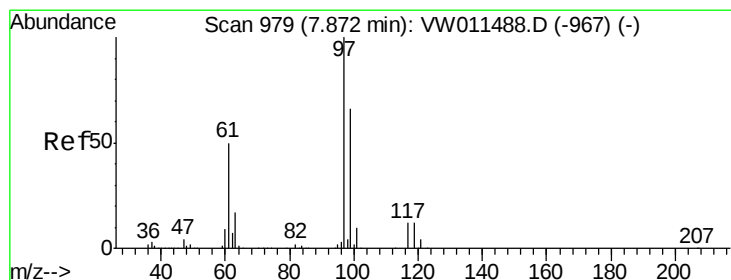
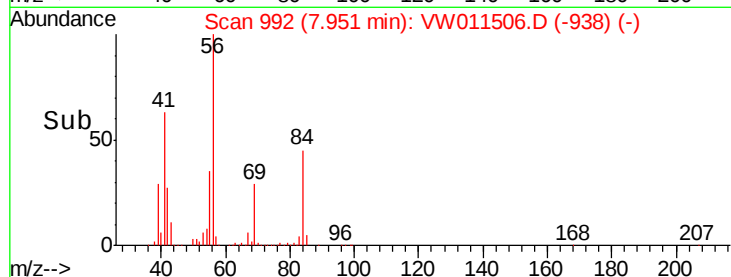
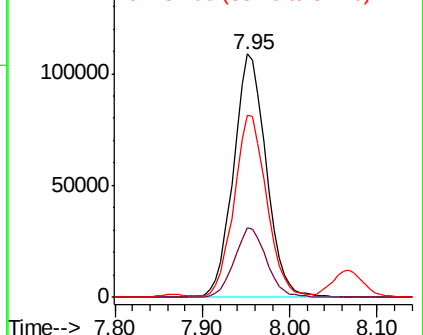
56 100

69 28.1 22.6 34.0

84 74.7 60.4 90.6



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: 24.733 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

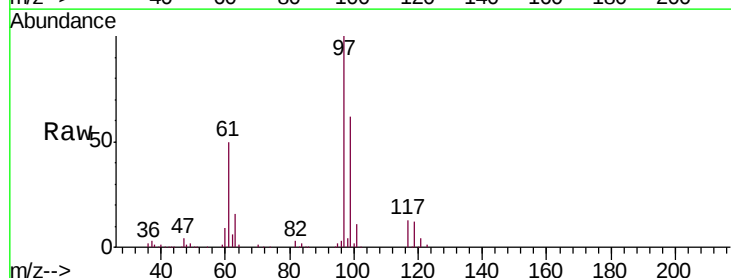
Tgt Ion: 97 Resp: 192165

Ion Ratio Lower Upper

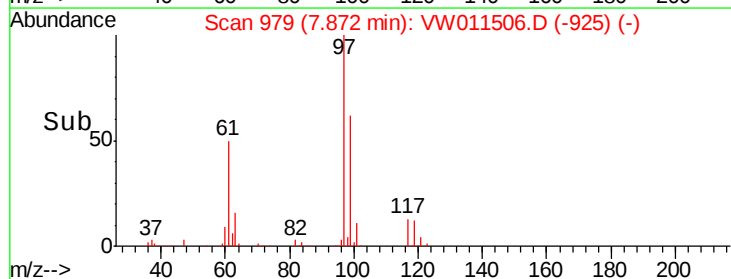
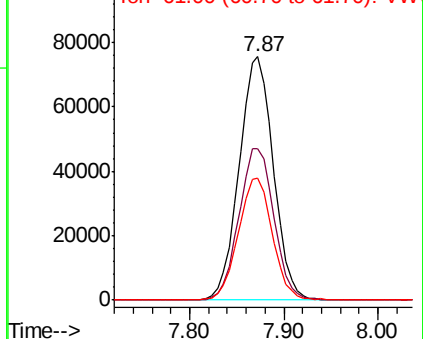
97 100

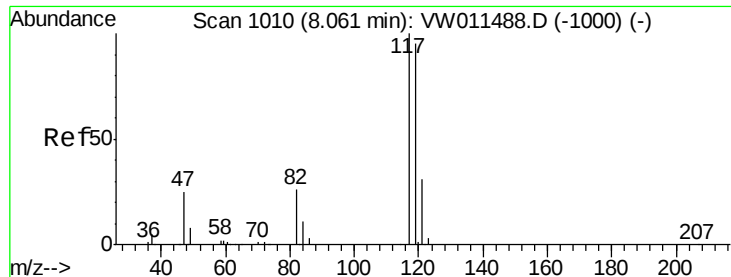
99 63.8 51.0 76.6

61 49.9 39.4 59.2



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





#32

Carbon tetrachloride

Concen: 25.152 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

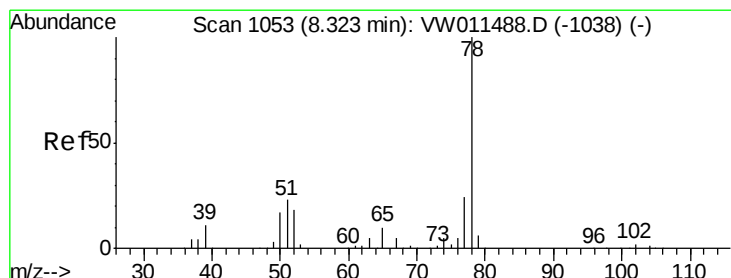
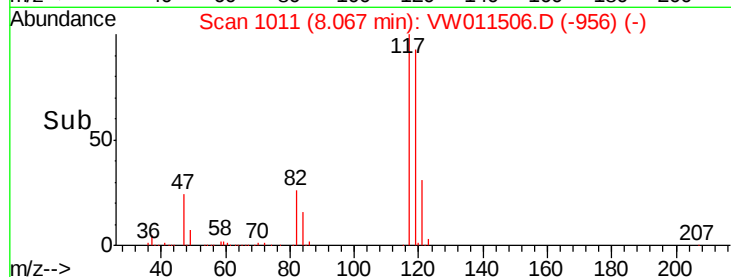
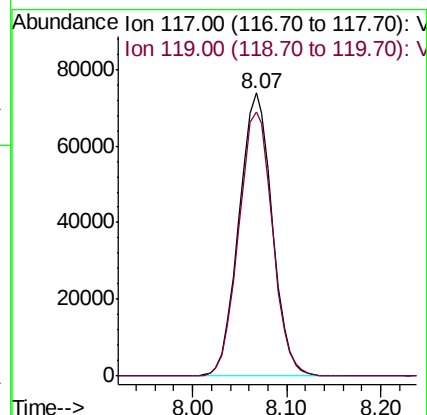
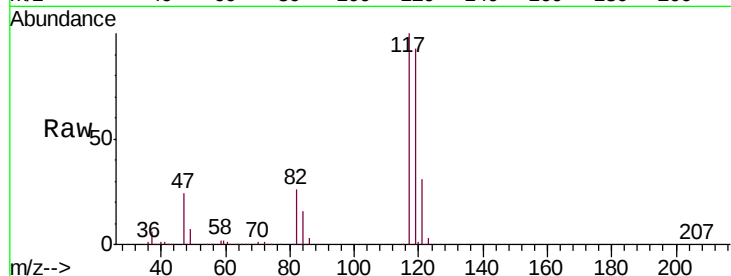
VSTD02520

Tgt Ion:117 Resp: 181600

Ion Ratio Lower Upper

117 100

119 95.4 76.6 114.8



#34

Benzene

Concen: 24.907 ug/L

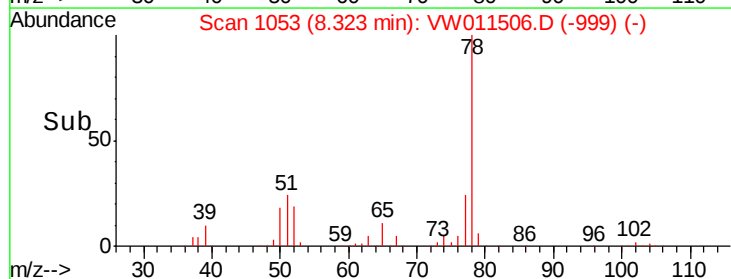
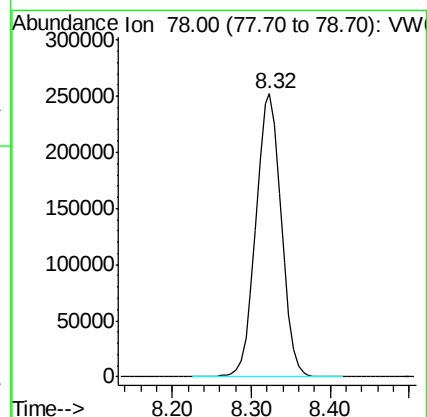
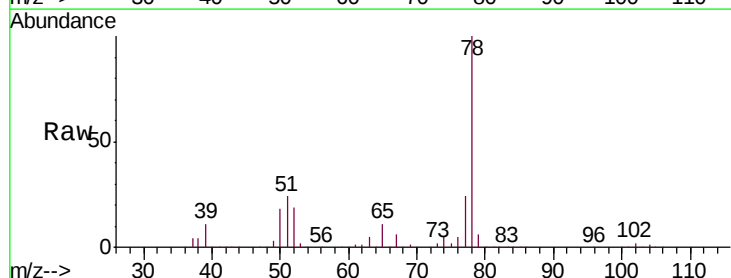
RT: 8.32 min Scan# 1053

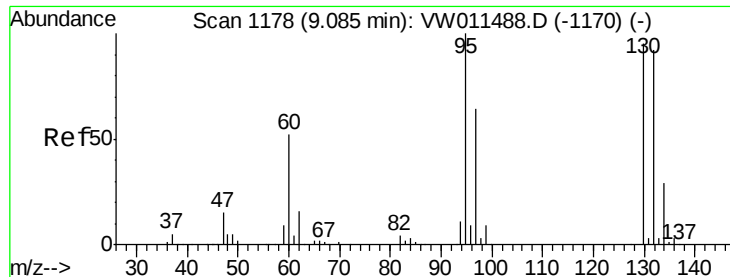
Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Tgt Ion: 78 Resp: 564301





#35

Trichloroethene

Concen: 24.300 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampled :

VSTD02520

Tgt Ion: 95 Resp: 139933

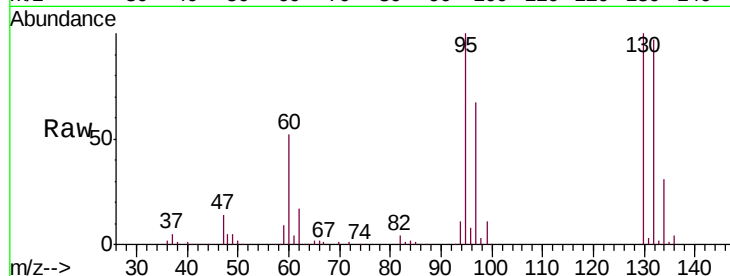
Ion Ratio Lower Upper

95 100

97 65.4 44.6 82.8

132 94.4 66.0 122.6

130 98.3 68.4 127.0

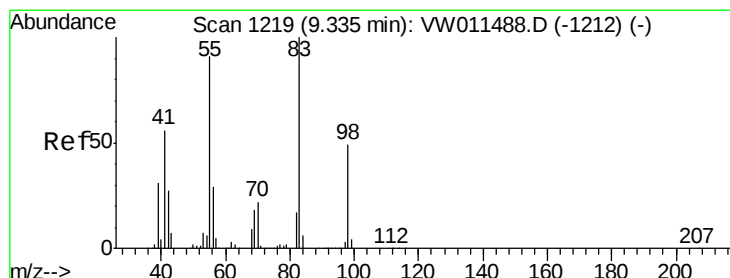
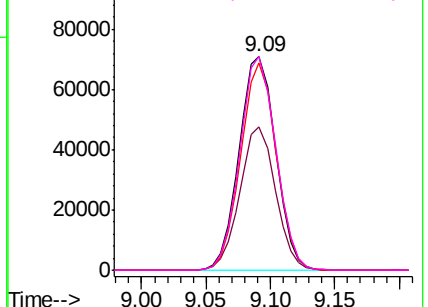
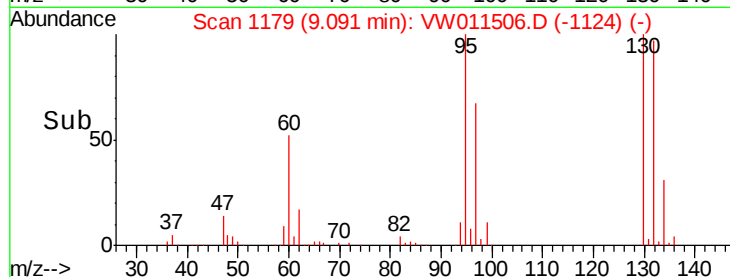


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.010 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

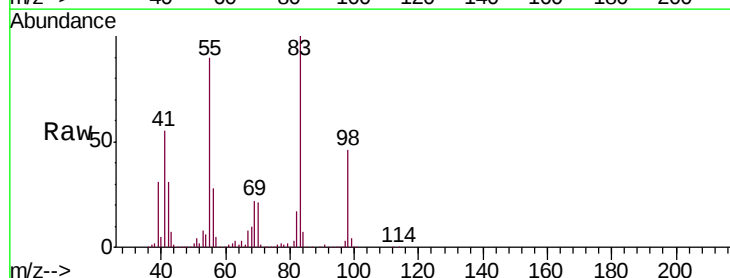
Tgt Ion: 83 Resp: 261885

Ion Ratio Lower Upper

83 100

55 90.1 71.5 107.3

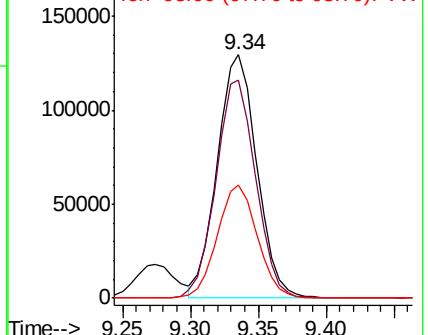
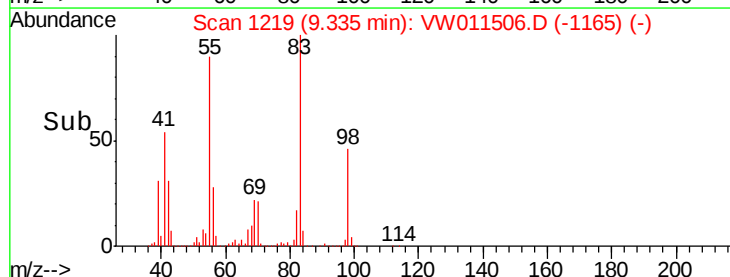
98 46.8 37.4 56.2

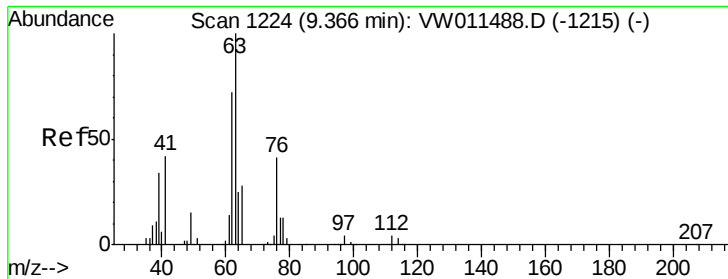


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

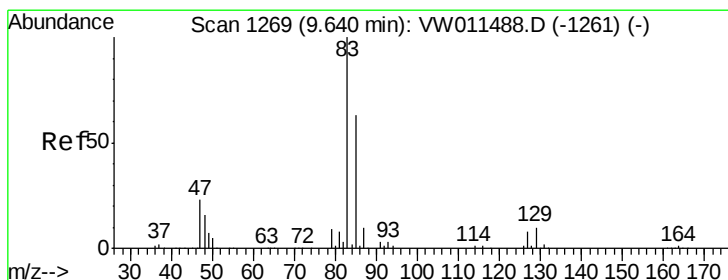
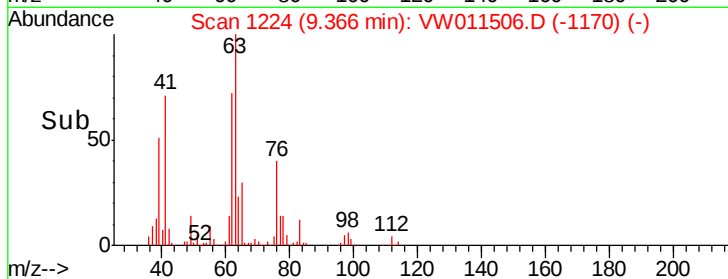
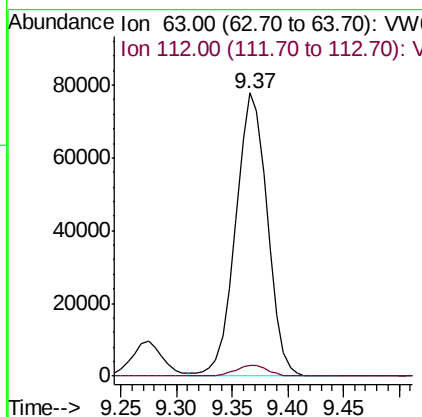
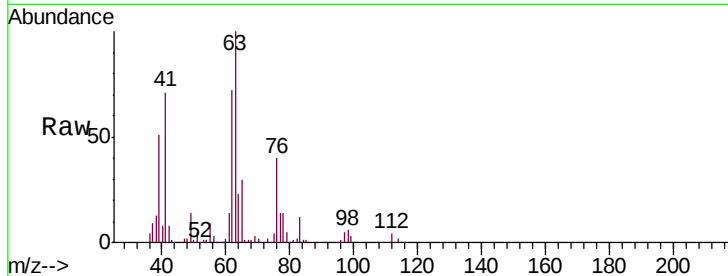




#40
 1,2-Dichloropropane
 Concen: 25.275 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

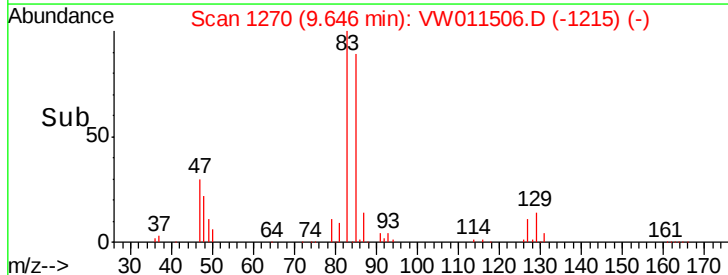
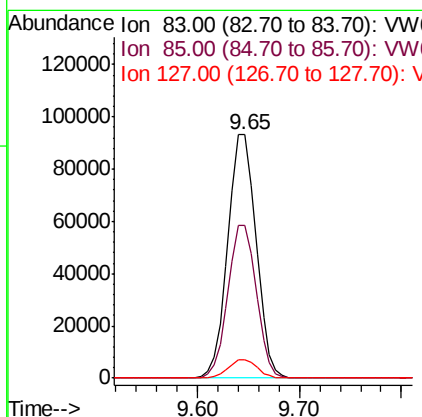
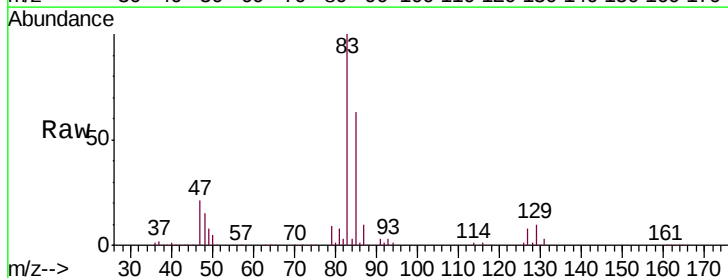
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

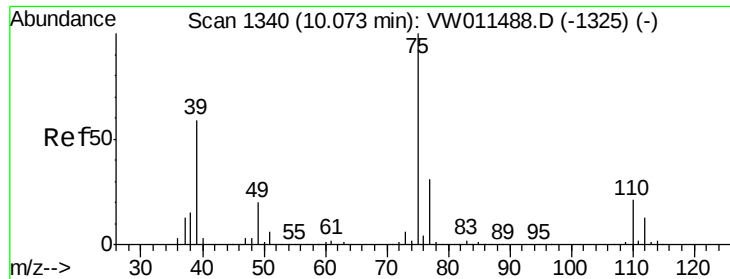
Tgt Ion: 63 Resp: 153849
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.231 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

Tgt Ion: 83 Resp: 179571
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.3 82.3
 127 7.6 6.6 9.8

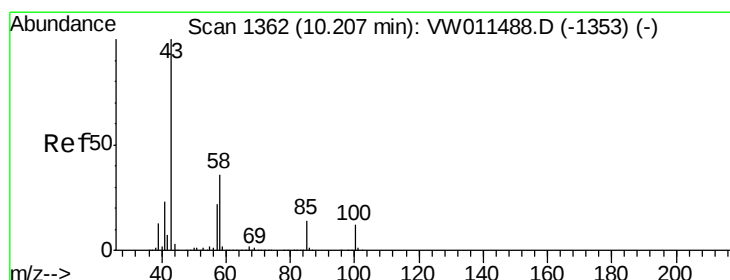
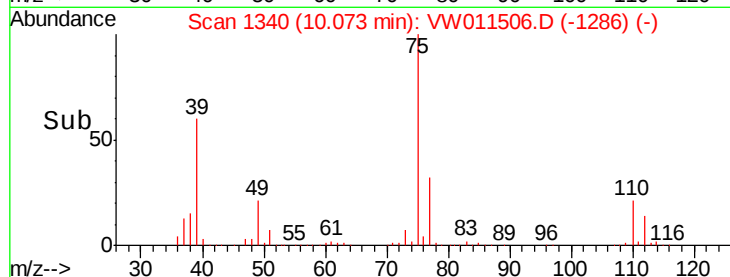
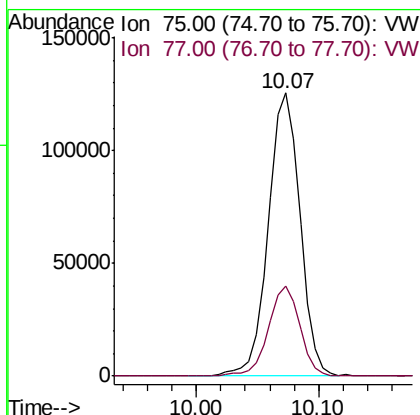
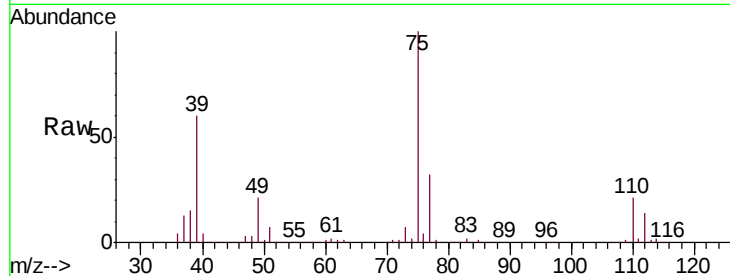




#42
 cis-1,3-Dichloropropene
 Concen: 24.859 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

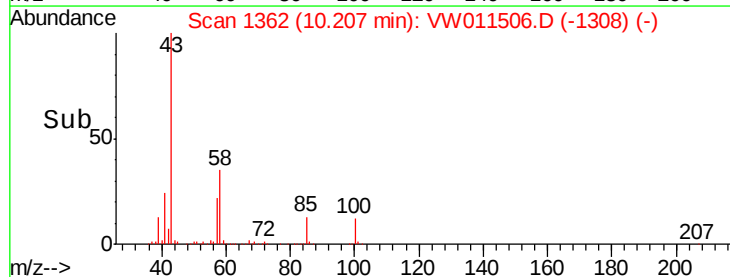
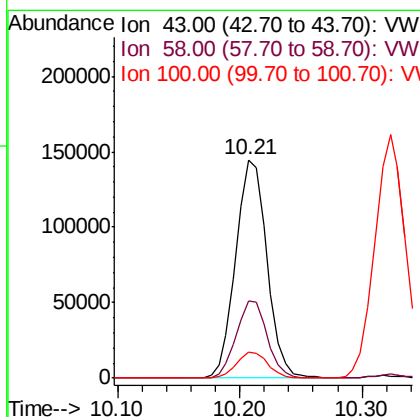
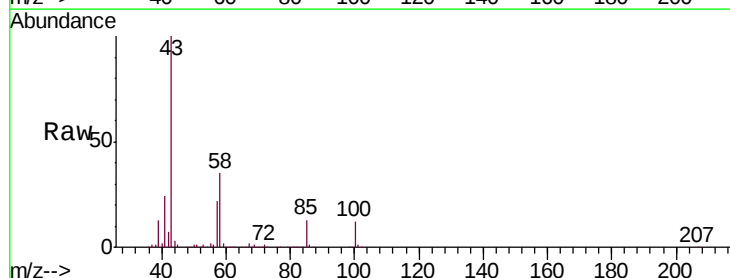
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

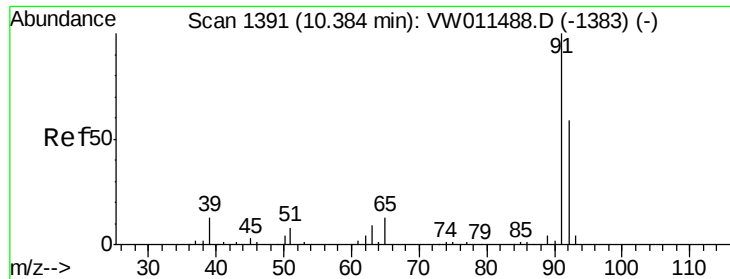
Tgt Ion: 75 Resp: 227338
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 49.194 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

Tgt Ion: 43 Resp: 256355
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.0 42.0
 100 11.9 9.8 14.8





#44

Toluene

Concen: 25.220 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

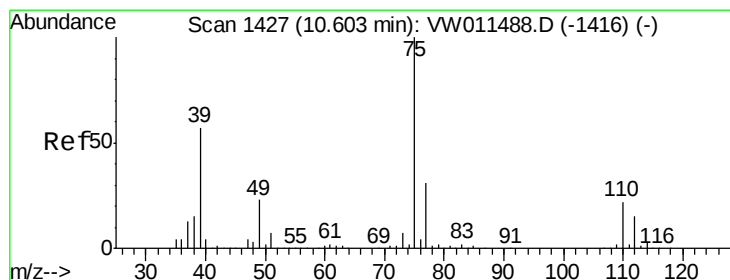
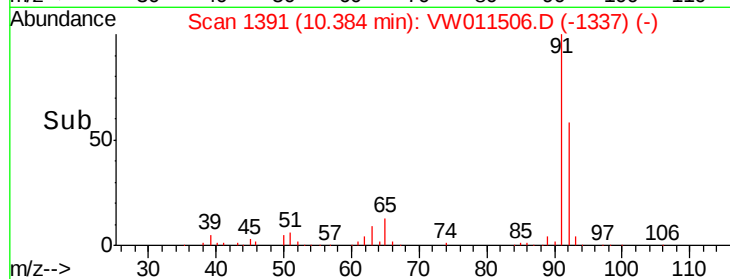
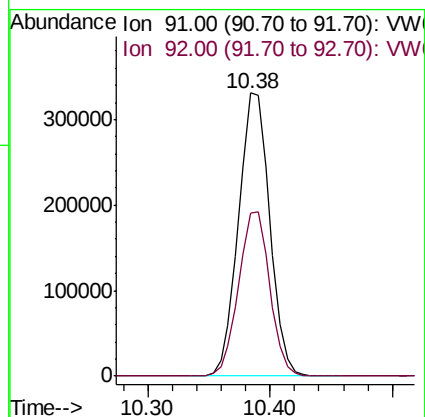
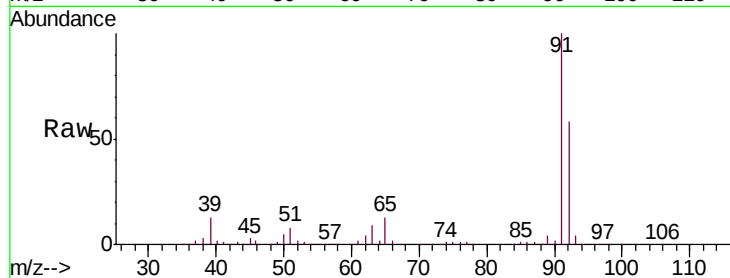
VSTD02520

Tgt Ion: 91 Resp: 586083

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.691 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011506.D

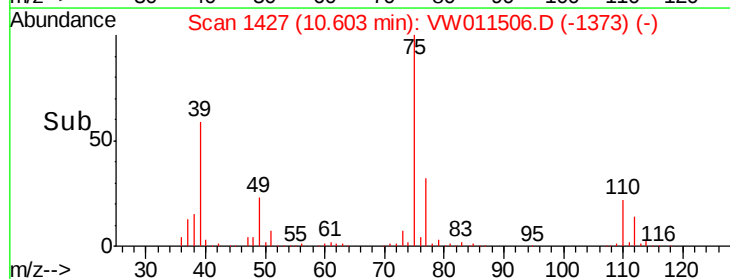
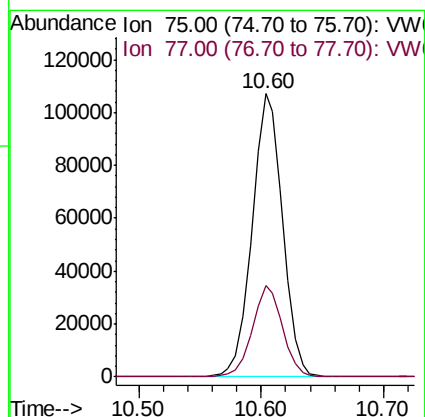
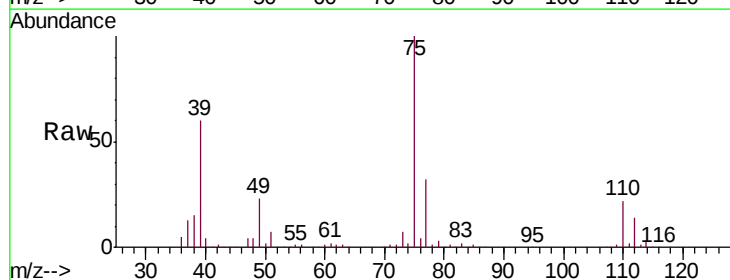
Acq: 25 Jul 2019 18:26

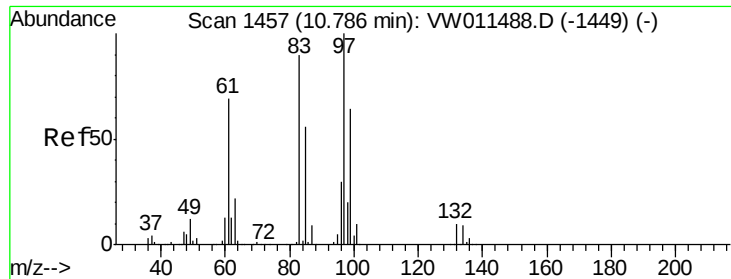
Tgt Ion: 75 Resp: 185565

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.090 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tgt Ion: 97 Resp: 102230

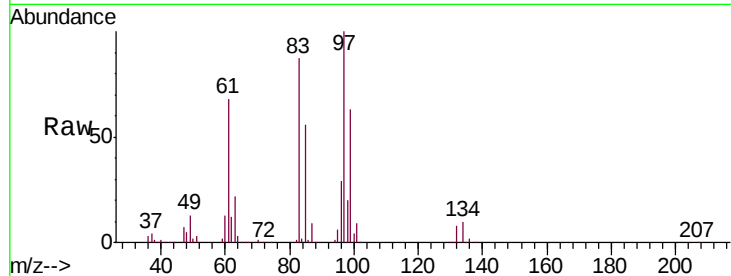
Ion Ratio Lower Upper

97 100

83 87.2 63.8 118.6

85 56.0 40.0 74.4

99 62.7 43.1 80.1



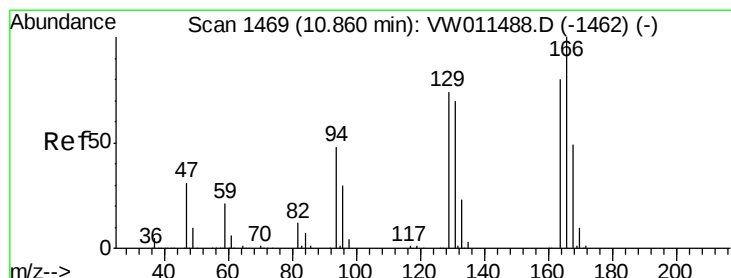
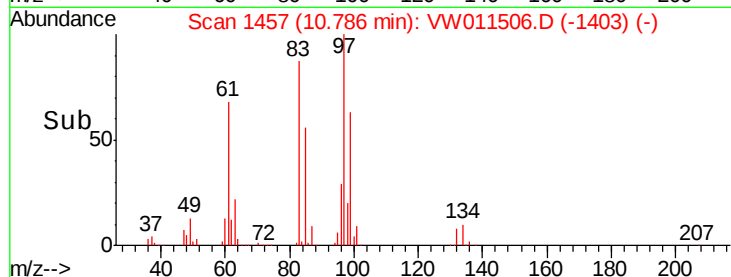
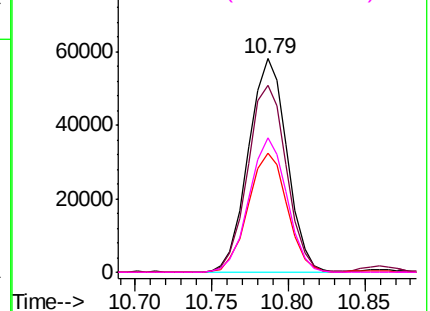
Abundance

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: 24.624 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Tgt Ion: 164 Resp: 108785

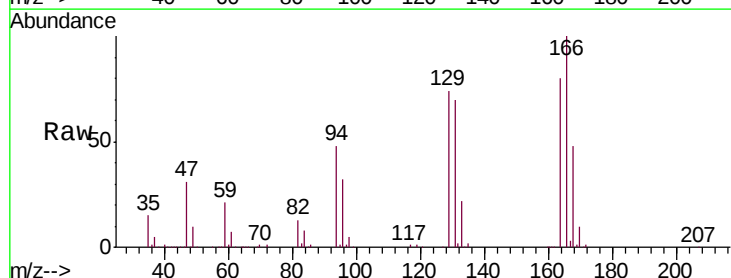
Ion Ratio Lower Upper

164 100

129 92.9 69.0 128.1

131 88.2 64.5 119.7

166 125.4 89.2 165.6



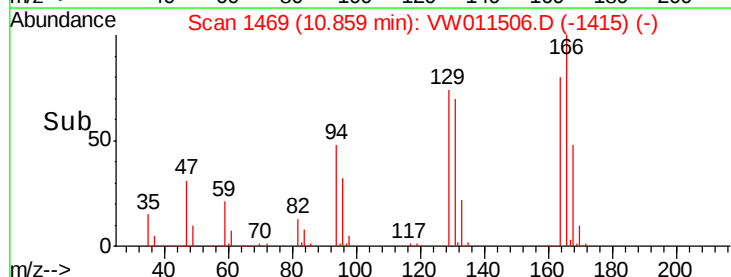
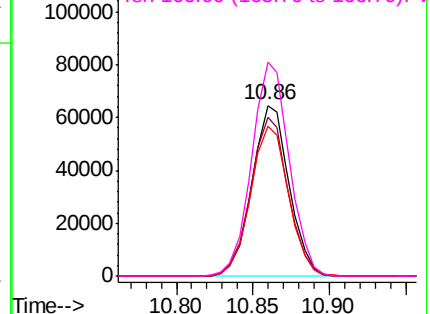
Abundance

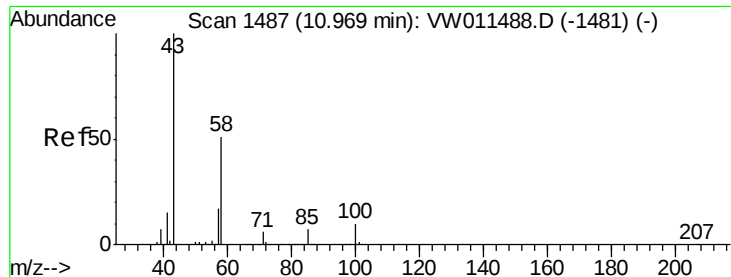
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 49.848 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tgt Ion: 43 Resp: 196075

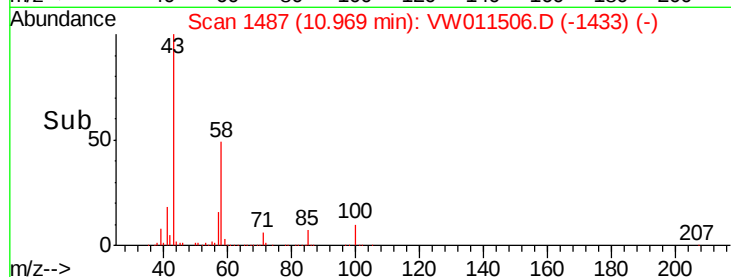
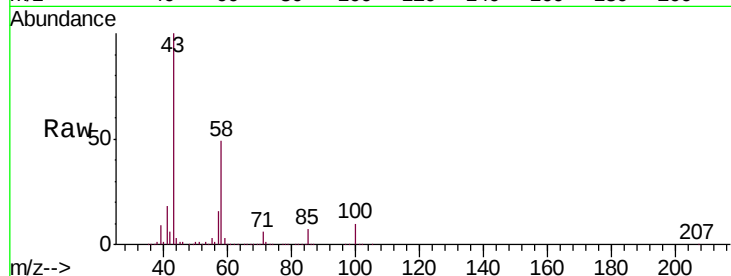
Ion Ratio Lower Upper

43 100

58 48.6 40.1 60.1

57 16.8 13.8 20.6

100 9.3 7.8 11.6

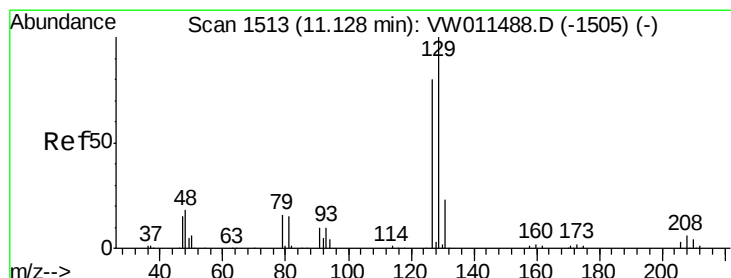
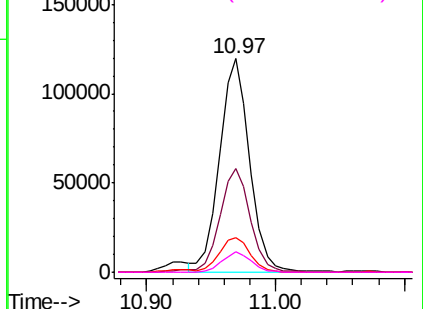


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.354 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011506.D

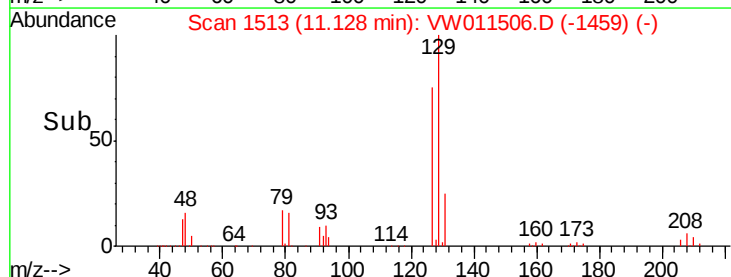
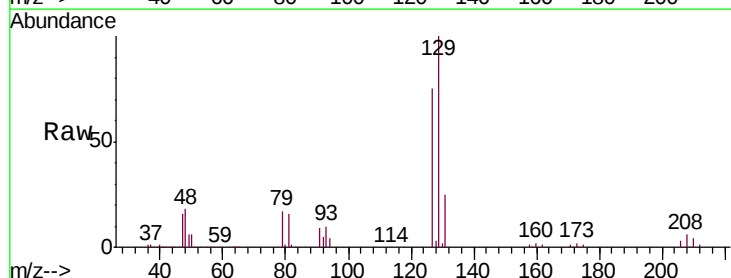
Acq: 25 Jul 2019 18:26

Tgt Ion: 129 Resp: 114352

Ion Ratio Lower Upper

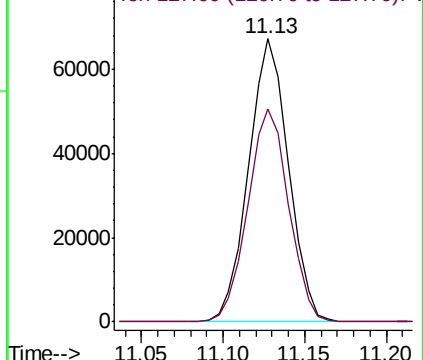
129 100

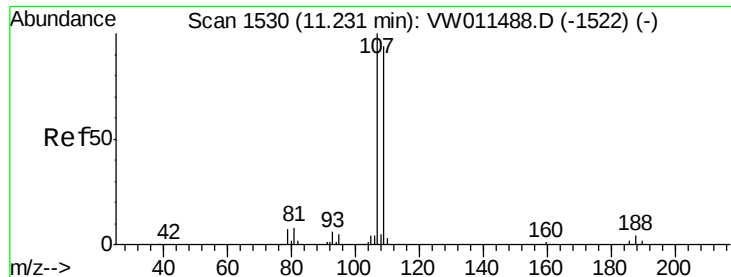
127 75.4 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

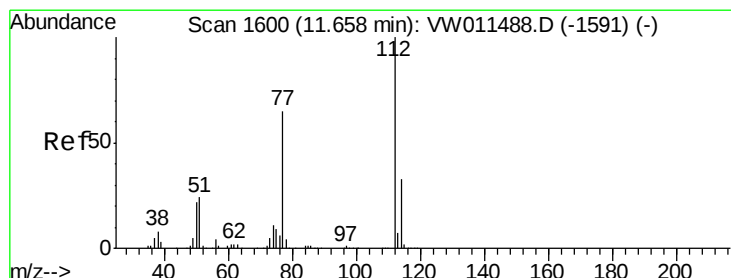
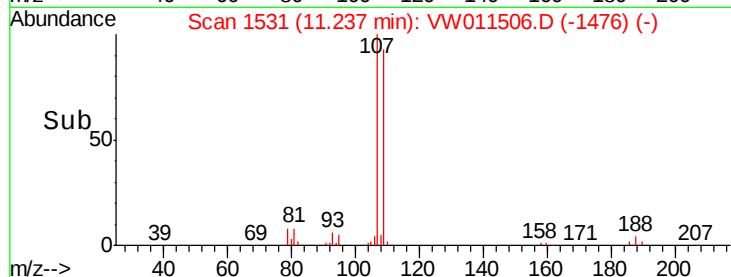
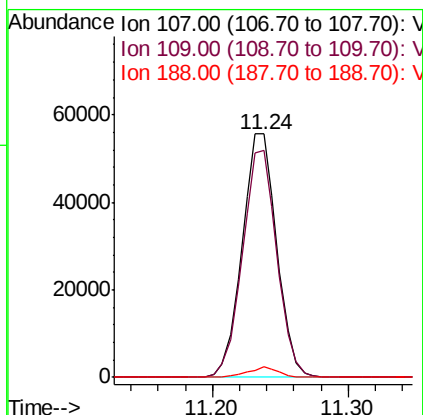
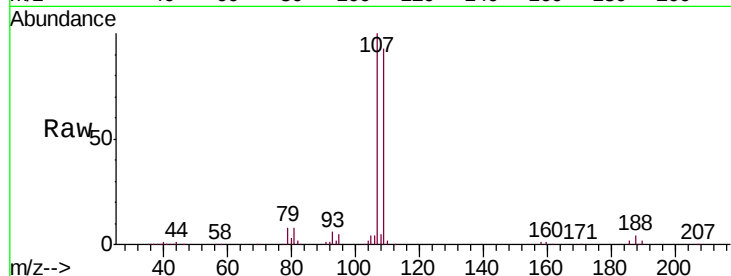




#51
1,2-Dibromoethane
Concen: 25.051 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

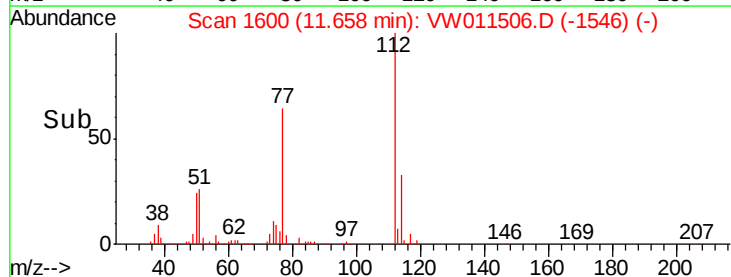
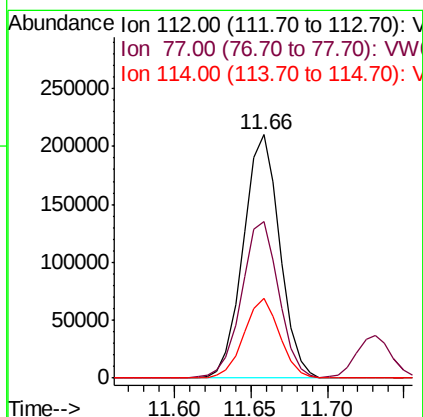
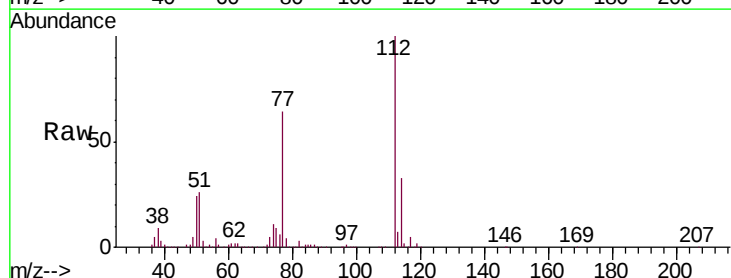
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

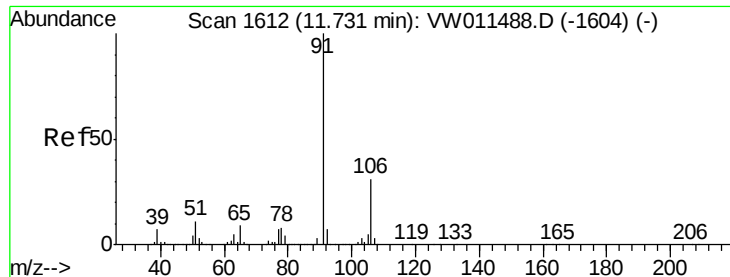
Tgt Ion:107 Resp: 98712
Ion Ratio Lower Upper
107 100
109 93.1 66.8 124.2
188 4.4 3.0 4.6



#52
Chlorobenzene
Concen: 24.872 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Tgt Ion:112 Resp: 348562
Ion Ratio Lower Upper
112 100
77 64.2 52.2 78.2
114 32.6 22.0 41.0





#53

Ethylbenzene

Concen: 24.937 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

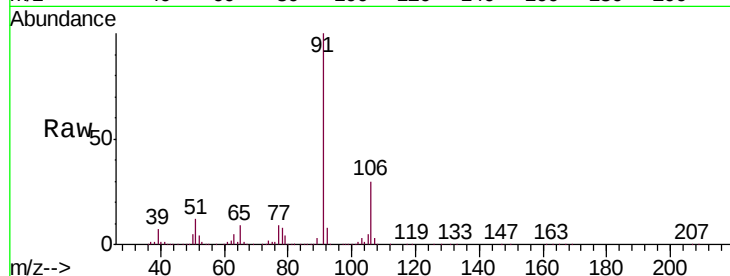
VSTD02520

Tgt Ion: 91 Resp: 652212

Ion Ratio Lower Upper

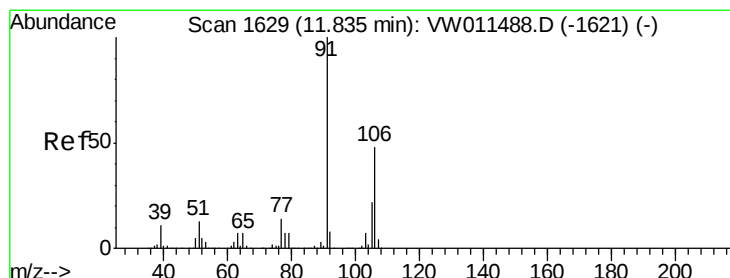
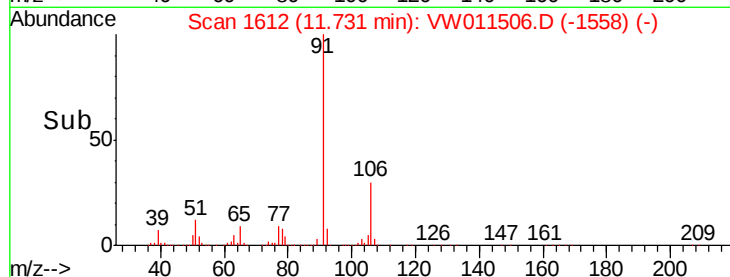
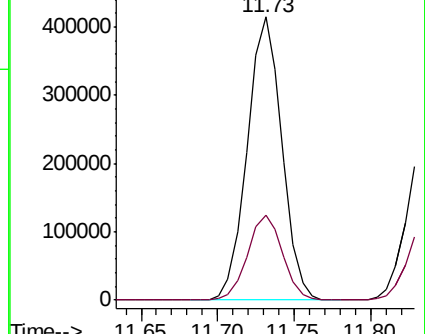
91 100

106 29.8 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.959 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011506.D

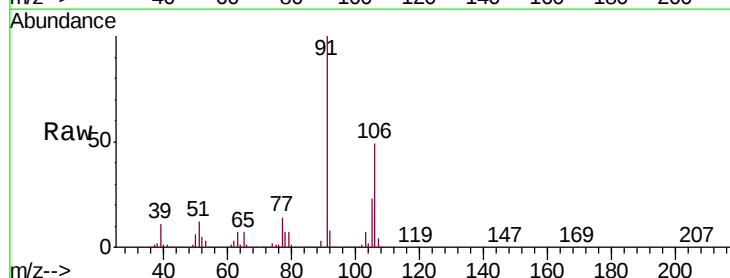
Acq: 25 Jul 2019 18:26

Tgt Ion: 106 Resp: 239077

Ion Ratio Lower Upper

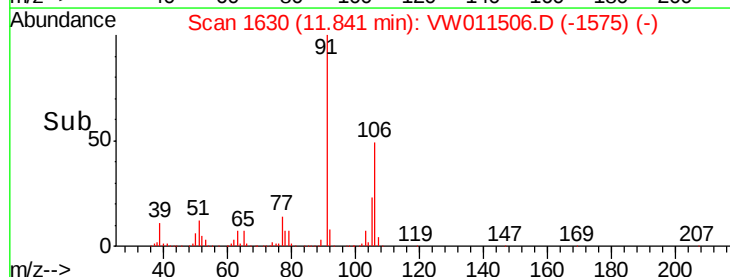
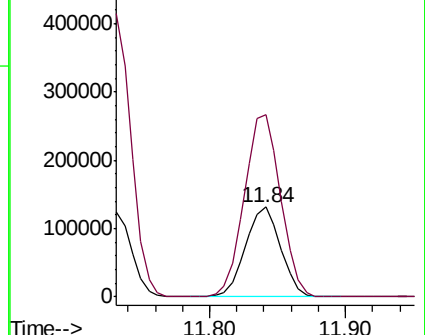
106 100

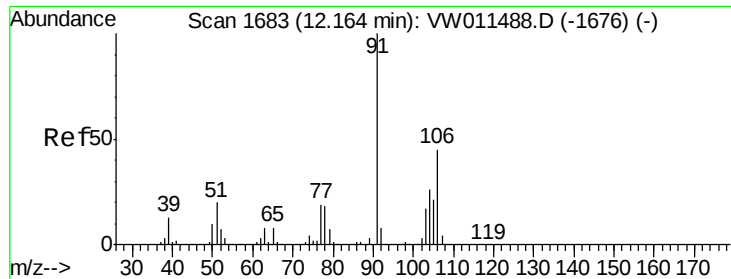
91 203.2 143.7 266.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

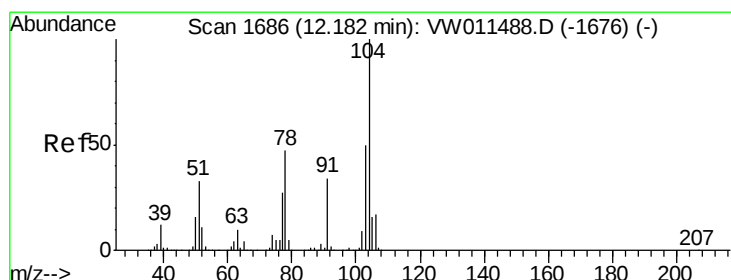
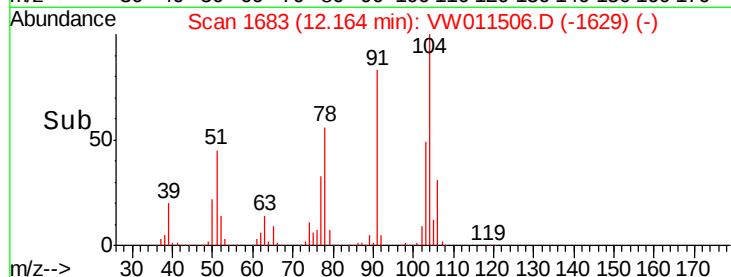
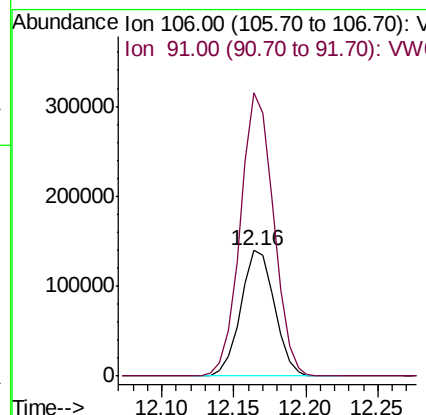
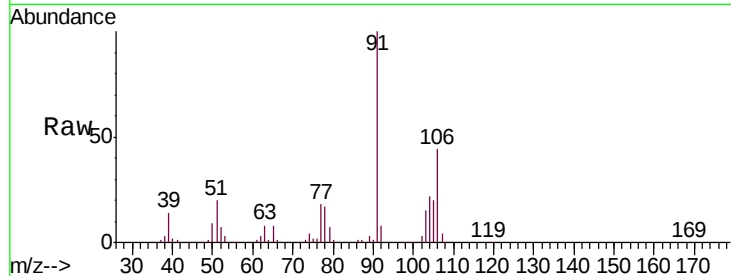




#55
o-xylene
Concen: 25.227 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

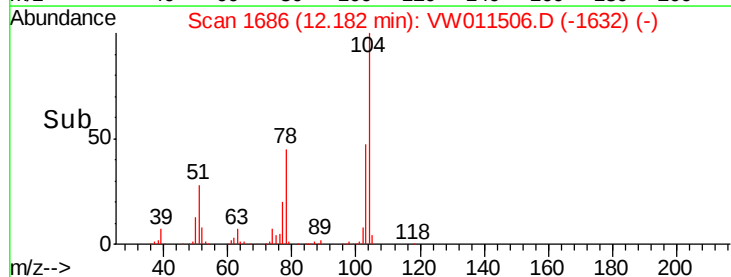
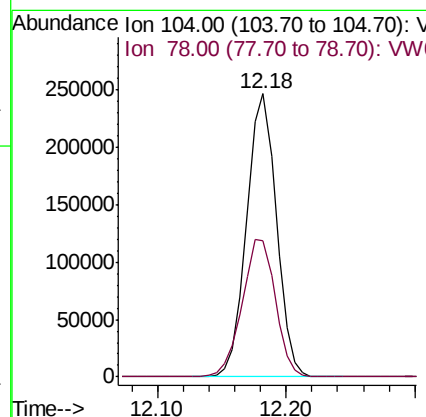
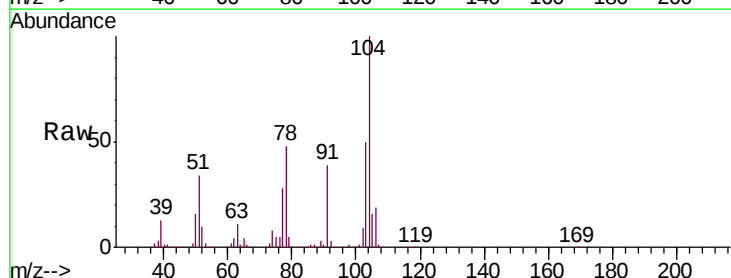
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

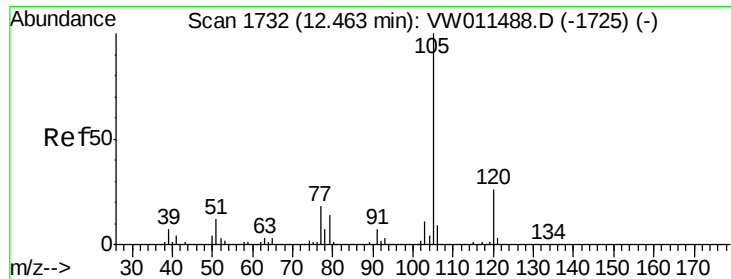
Tgt Ion:106 Resp: 227746
Ion Ratio Lower Upper
106 100
91 225.0 155.5 288.9



#56
Styrene
Concen: 25.933 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Tgt Ion:104 Resp: 393848
Ion Ratio Lower Upper
104 100
78 48.2 33.5 62.1





#57

Isopropylbenzene

Concen: 25.193 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

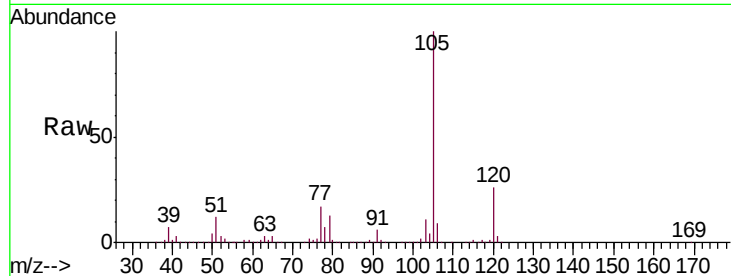
Tgt Ion: 105 Resp: 619522

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

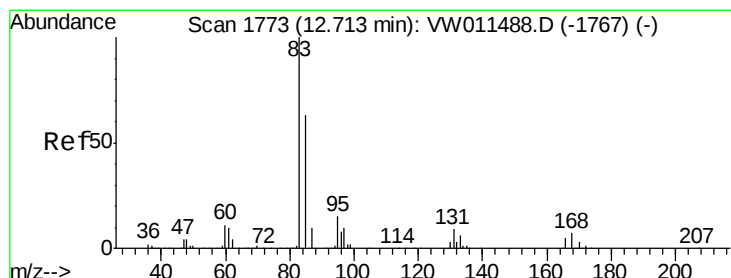
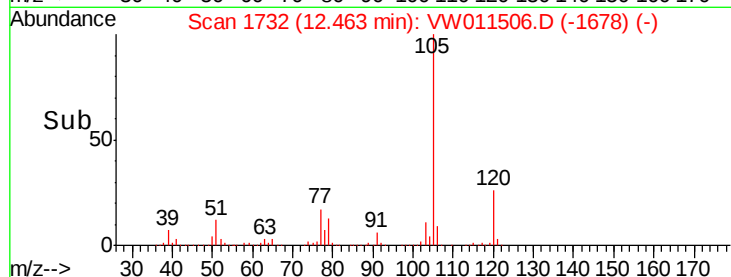
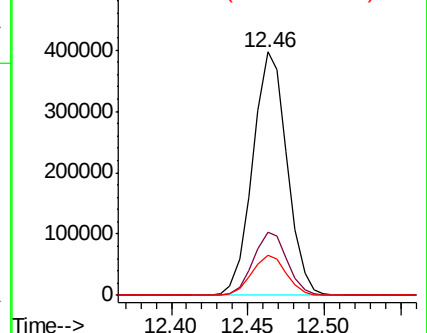
77 16.7 13.3 19.9



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: 25.064 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

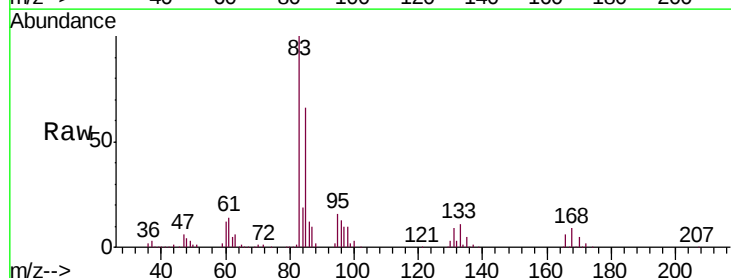
Tgt Ion: 83 Resp: 132660

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.9

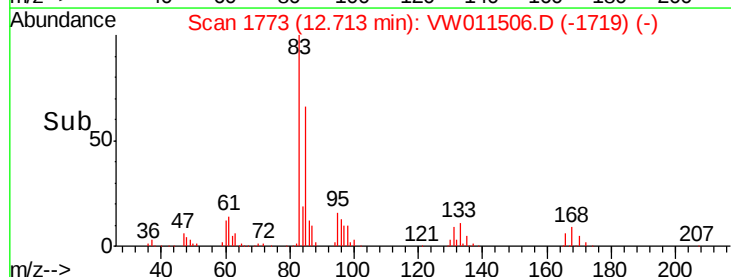
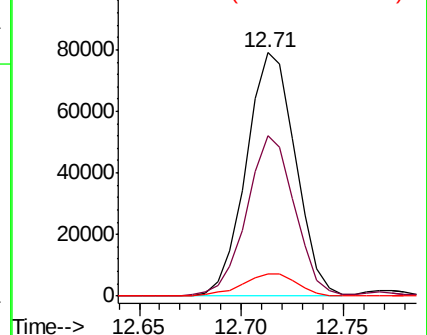
131 9.2 7.0 10.6

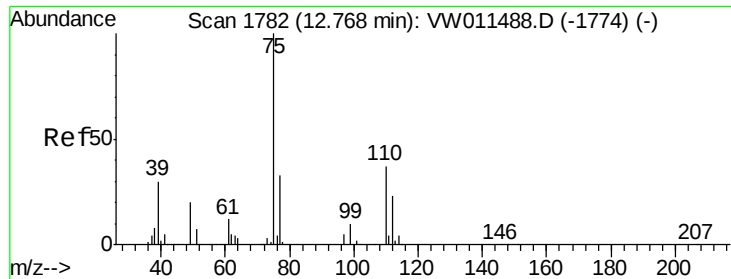


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.762 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

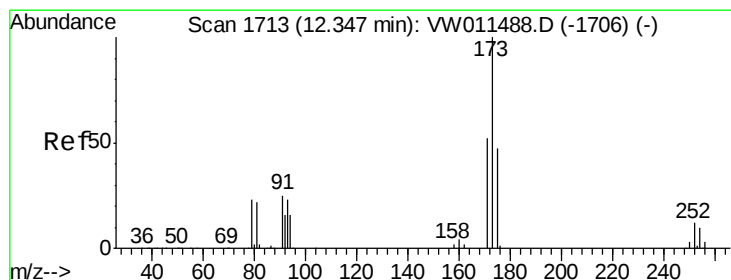
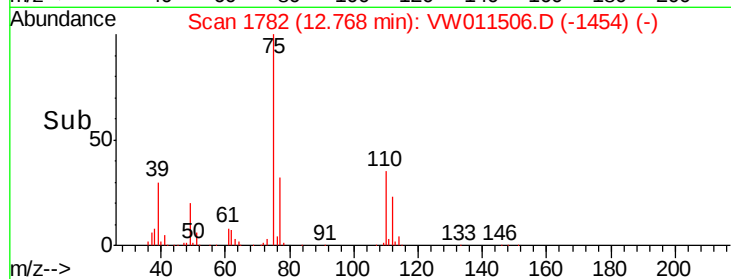
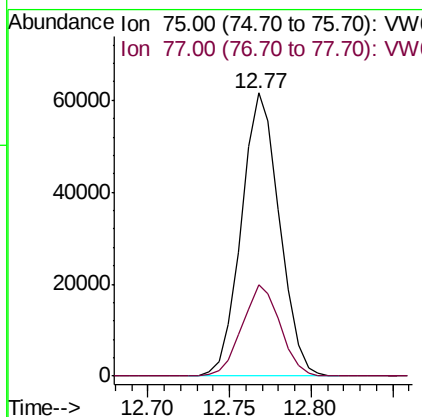
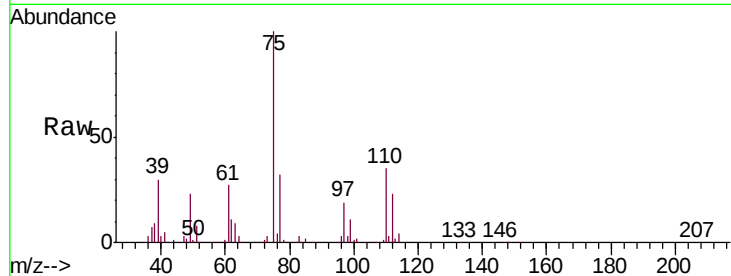
VSTD02520

Tgt Ion: 75 Resp: 100134

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#62

Bromoform

Concen: 24.773 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

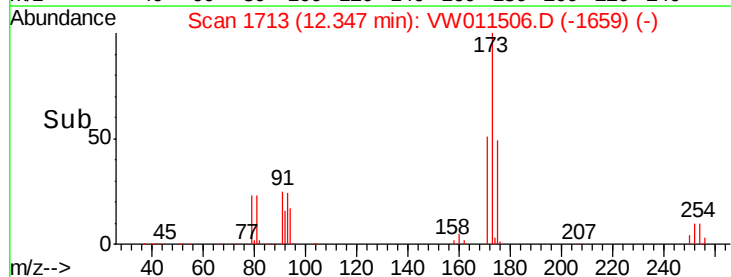
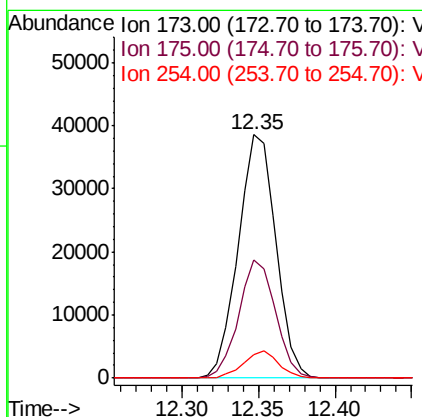
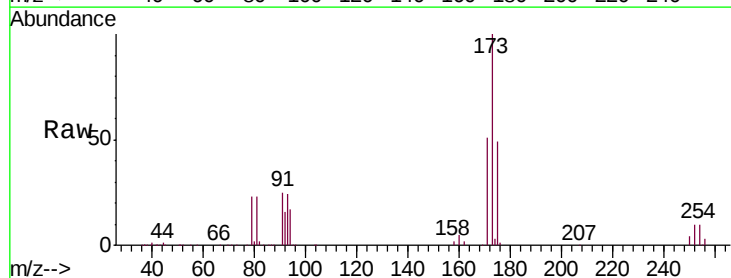
Tgt Ion: 173 Resp: 66112

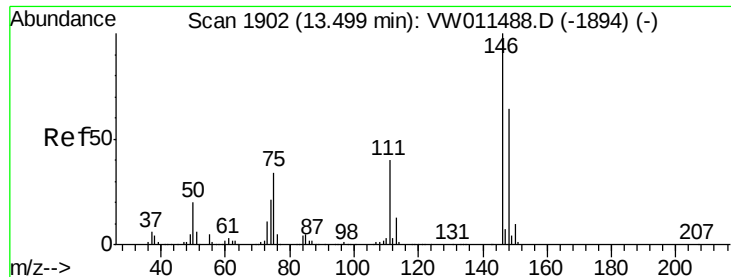
Ion Ratio Lower Upper

173 100

175 47.3 39.0 58.4

254 10.6 8.5 12.7

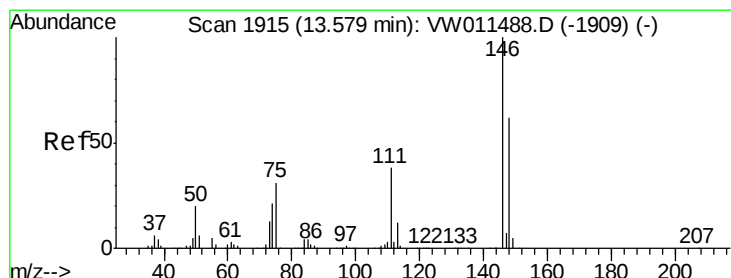
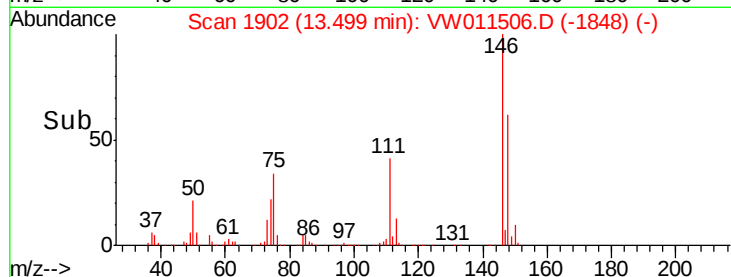
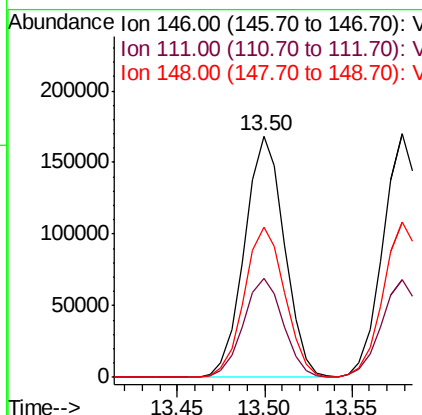
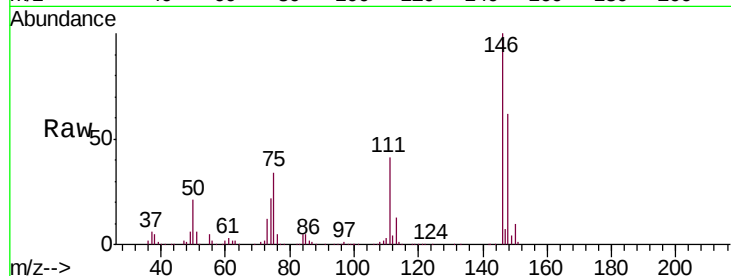




#63
 1,3-Dichlorobenzene
 Concen: 24.994 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

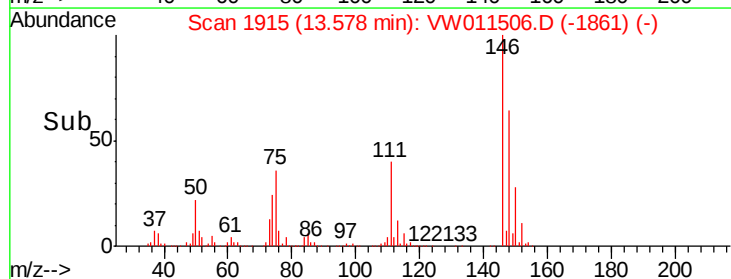
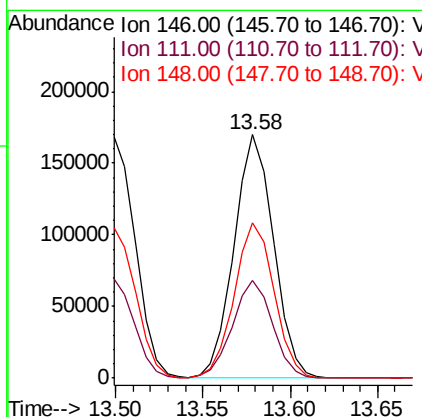
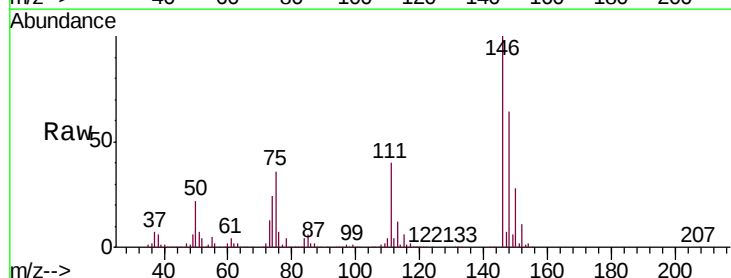
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

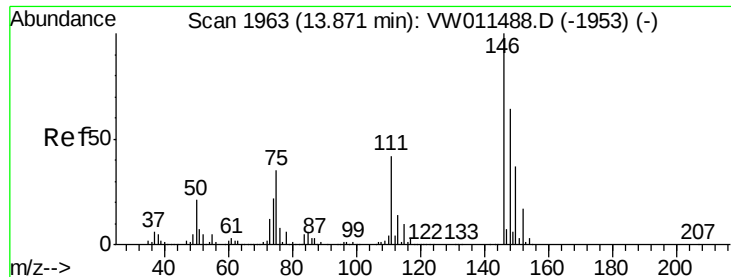
Tgt Ion:146 Resp: 266856
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.0 53.8
 148 62.3 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 24.684 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

Tgt Ion:146 Resp: 267692
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.8 51.6
 148 64.0 44.9 83.5

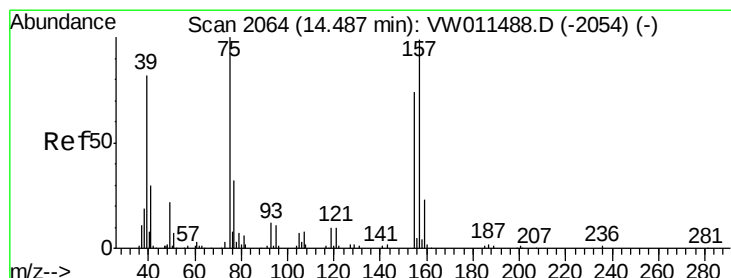
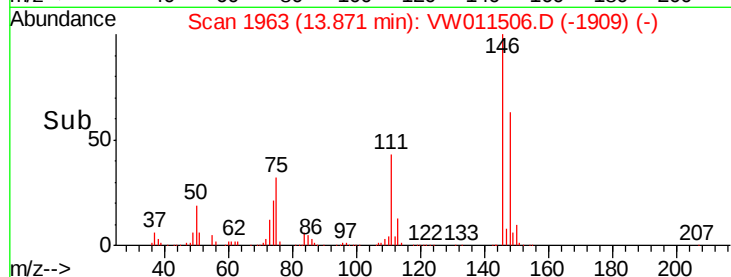
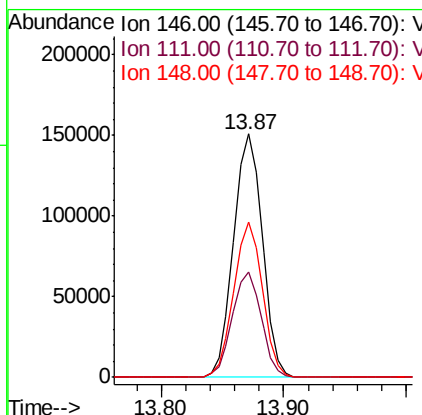
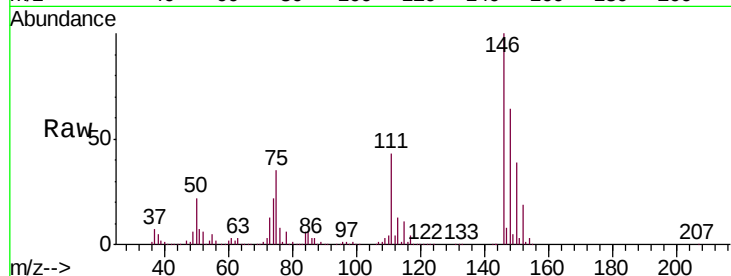




#65
1,2-Dichlorobenzene
Concen: 25.088 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

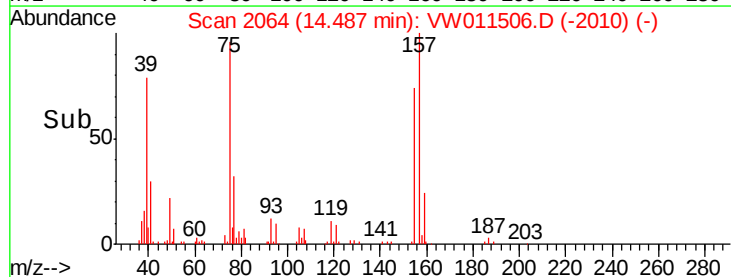
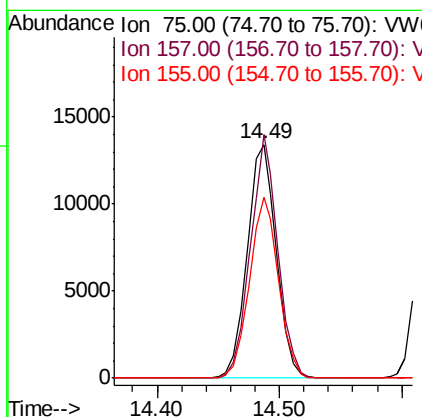
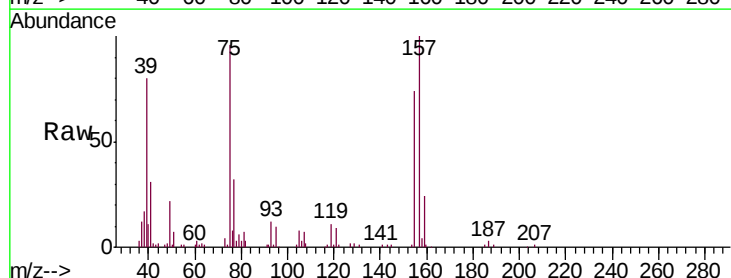
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

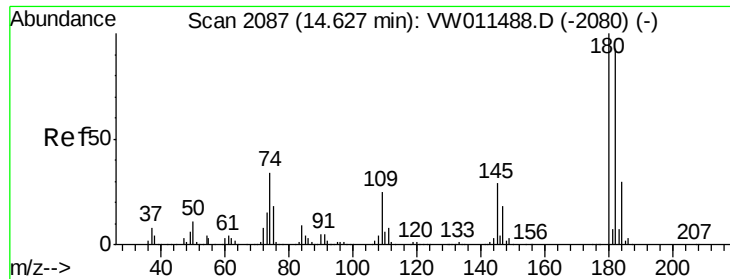
Tgt Ion:146 Resp: 246474
Ion Ratio Lower Upper
146 100
111 43.4 33.8 50.8
148 63.5 51.6 77.4



#66
1,2-Dibromo-3-chloropropane
Concen: 23.613 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW011506.D
Acq: 25 Jul 2019 18:26

Tgt Ion: 75 Resp: 22112
Ion Ratio Lower Upper
75 100
157 104.1 73.7 110.5
155 77.3 61.0 91.6

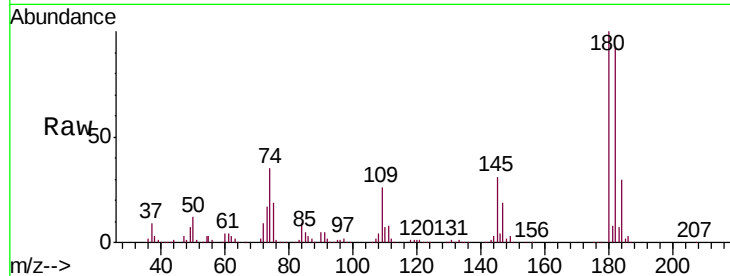




#67
 1,3,5-Trichlorobenzene
 Concen: 25.001 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
184	30.3	24.7	37.1
145	29.9	23.8	35.6



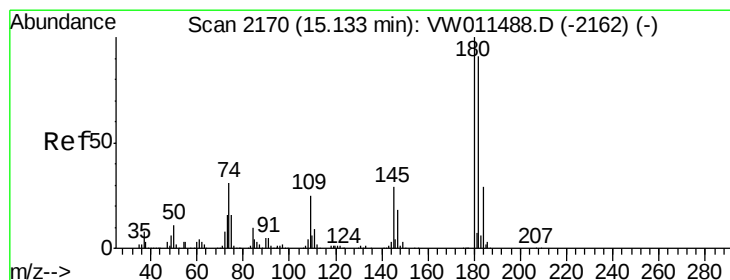
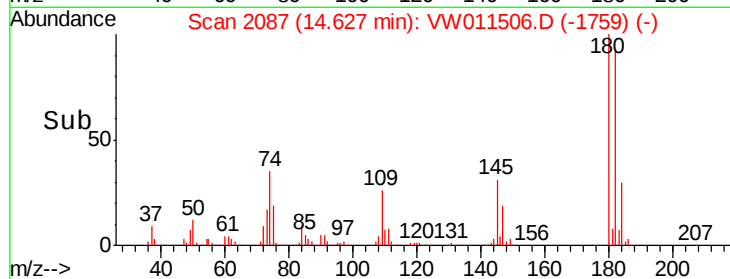
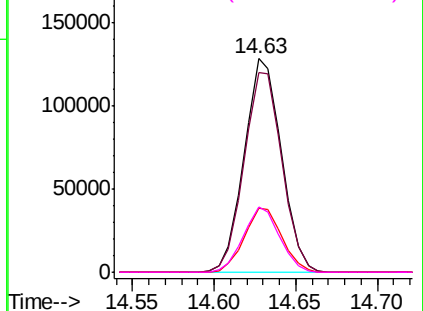
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

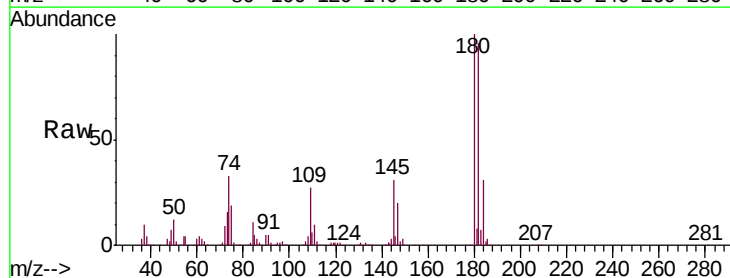
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.395 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011506.D
 Acq: 25 Jul 2019 18:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	30.0	24.2	36.2

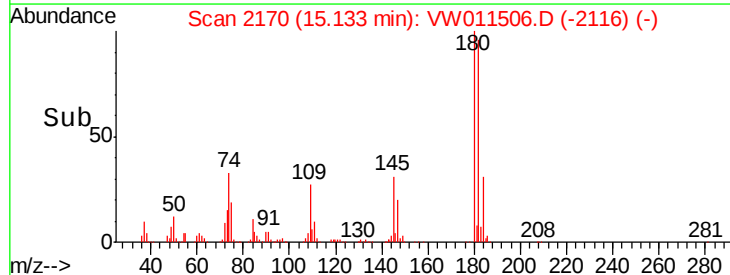
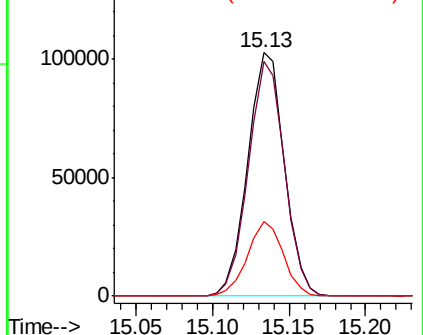


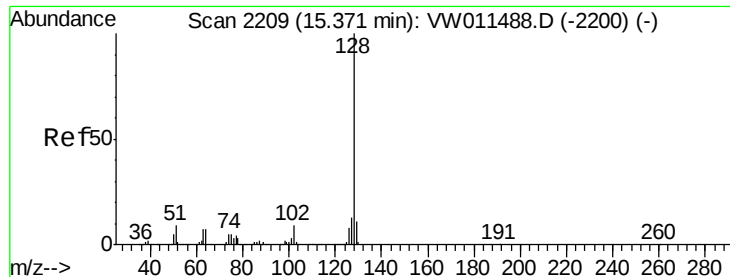
Abundance

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: 25.473 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

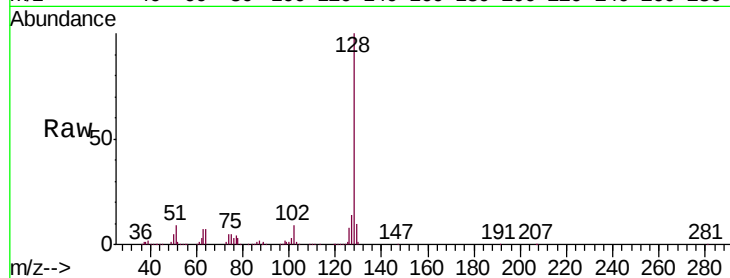
Tgt Ion:128 Resp: 350021

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

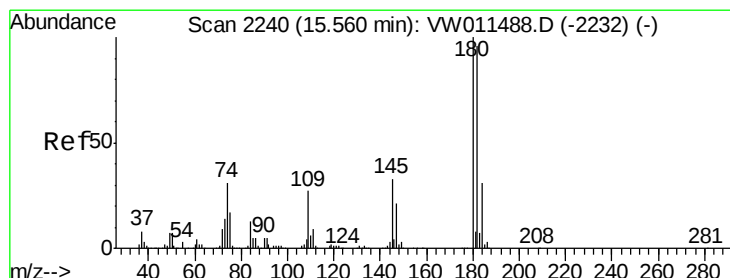
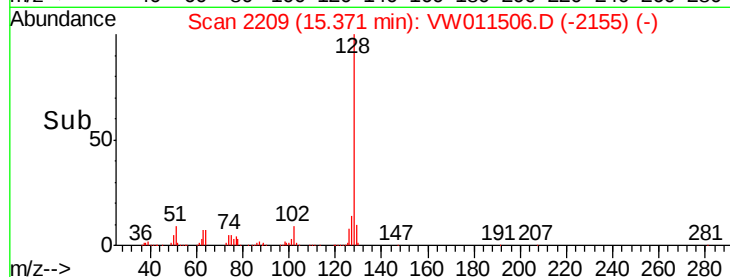
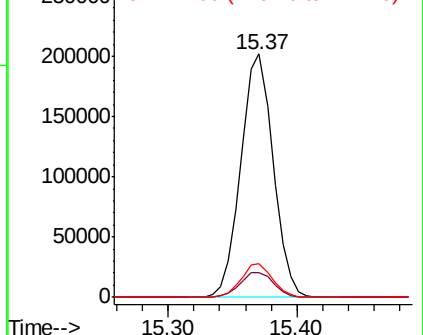
127 13.4 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.524 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011506.D

Acq: 25 Jul 2019 18:26

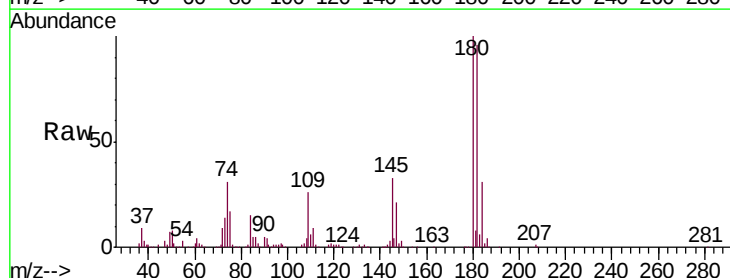
Tgt Ion:180 Resp: 156085

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.8

145 32.3 25.3 37.9



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

