

Data File : VW013624.D
Acq On : 18 Oct 2019 17:58
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Oct 20 18:16:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 13:08:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	347923	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335960	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197659	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	100918	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.56%
7) Chloroethane-d5	2.89	69	89177	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.03	63	222752	23.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.52%
20) 2-Butanone-d5	7.07	46	74690	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
24) Chloroform-d	7.65	84	225079	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	8.31	65	114915	22.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.28%
29) Benzene-d6	8.27	84	461686	22.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.48%
33) 1,2-Dichloropropane-d6	9.27	67	141693	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.32	98	422956	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.88%
38) trans-1,3-Dichloropropene-	10.58	79	61989	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.16%
39) 2-Hexanone-d5	10.92	63	59547	51.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119219	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	158906	22.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	86532	22.112 ug/L	95
3) Chloromethane	2.21	50	100686	23.768 ug/L	100
5) Vinyl chloride	2.37	62	141205	26.673 ug/L	99
6) Bromomethane	2.78	94	92679	24.228 ug/L	98
8) Chloroethane	2.93	64	88591	24.763 ug/L	99
9) Trichlorofluoromethane	3.26	101	102658	28.771 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	142269	25.321 ug/L	99
12) 1,1-Dichloroethene	4.04	96	142106	25.700 ug/L	97
13) Acetone	4.12	43	73355	43.289 ug/L	100
14) Carbon disulfide	4.38	76	416678	26.336 ug/L	99
15) Methyl Acetate	4.67	43	70394	25.424 ug/L	100
16) Methylene chloride	4.92	84	149548	22.447 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	196739	25.715 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	154444	25.267 ug/L	97
19) 1,1-Dichloroethane	6.21	63	257565	24.894 ug/L	98
21) 2-Butanone	7.17	43	100527	46.724 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	164624	25.091 ug/L	98

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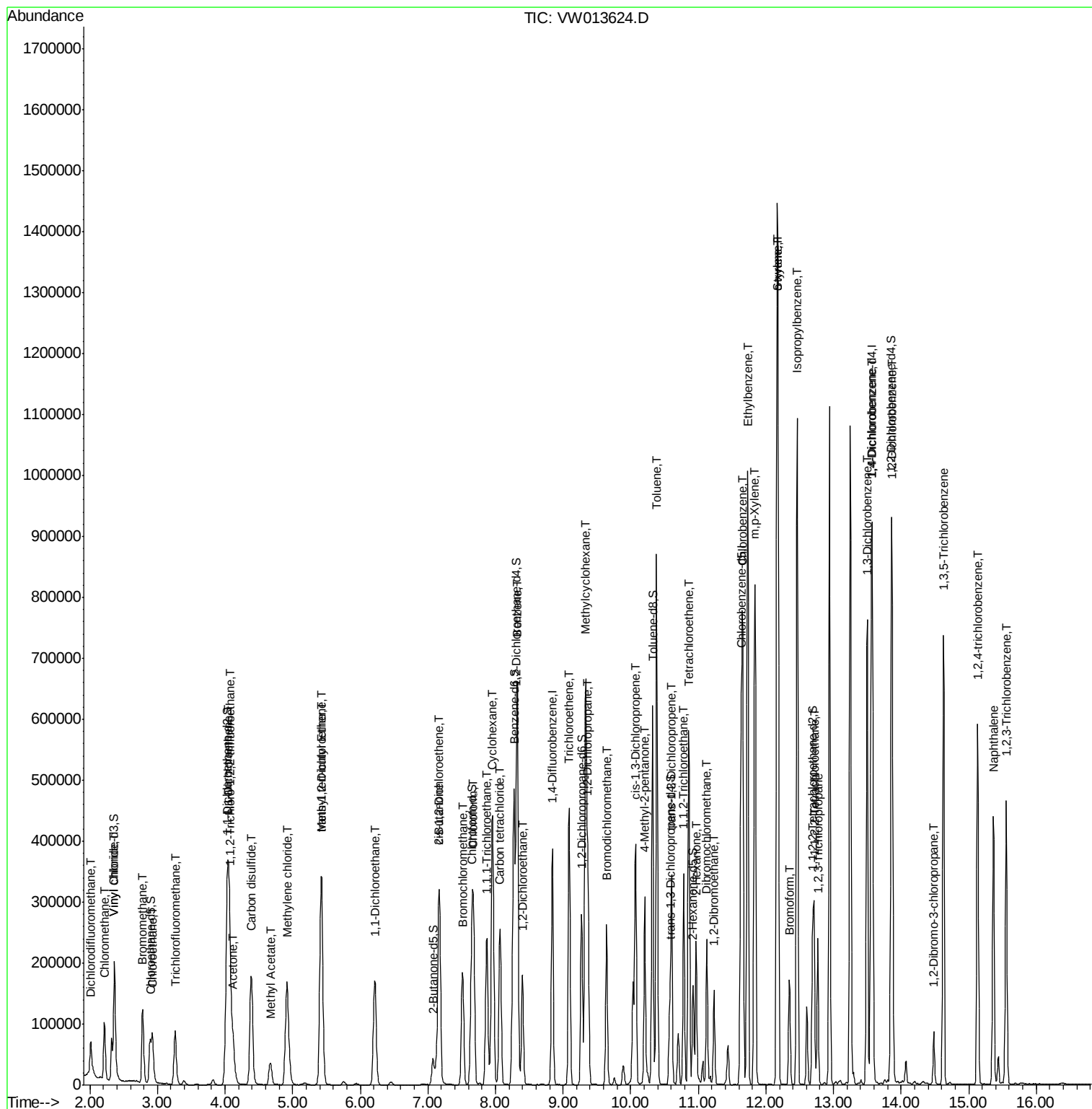
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73750	24.869	ug/L	99
25) Chloroform	7.68	83	257511	24.777	ug/L	100
27) 1,2-Dichloroethane	8.40	62	162703	24.425	ug/L	96
30) Cyclohexane	7.96	56	259418	26.357	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204317	26.075	ug/L	100
32) Carbon tetrachloride	8.07	117	201318	26.384	ug/L	100
34) Benzene	8.32	78	616259	25.565	ug/L	100
35) Trichloroethene	9.09	95	161046	26.039	ug/L	99
36) Methylcyclohexane	9.34	83	282280	25.895	ug/L	100
40) 1,2-Dichloropropane	9.37	63	147546	25.033	ug/L	99
41) Bromodichloromethane	9.65	83	183584	25.421	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	235655	25.324	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	199268	49.553	ug/L	100
44) Toluene	10.38	91	664838	25.671	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	188278	25.065	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	114085	25.098	ug/L	96
47) Tetrachloroethene	10.86	164	146448	25.868	ug/L	97
49) 2-Hexanone	10.97	43	140465	49.237	ug/L	97
50) Dibromochloromethane	11.13	129	134017	24.981	ug/L	98
51) 1,2-Dibromoethane	11.23	107	110367	24.968	ug/L	99
52) Chlorobenzene	11.66	112	416624	25.142	ug/L	98
53) Ethylbenzene	11.73	91	737321	25.767	ug/L	100
54) m,p-Xylene	11.84	106	284879	25.763	ug/L	99
55) o-xylene	12.16	106	268027	25.542	ug/L	99
56) Styrene	12.18	104	463188	25.803	ug/L	99
57) Isopropylbenzene	12.46	105	731684	25.995	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	134225	25.193	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	99259	24.983	ug/L	98
62) Bromoform	12.35	173	84399	24.915	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	337563	25.169	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	329123	24.420	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	299852	24.675	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	21056	25.209	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	250858	25.159	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	203023	23.984	ug/L	99
69) Naphthalene	15.36	128	389766	25.411	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	183772	24.243	ug/L	99

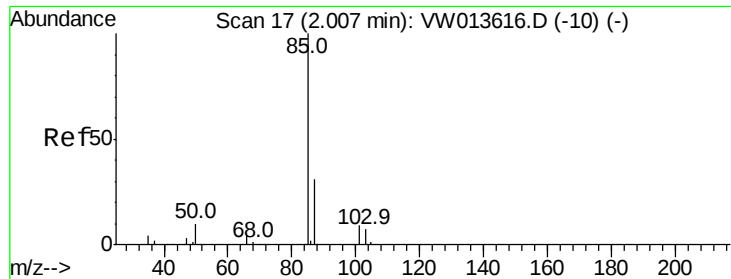
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.112 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

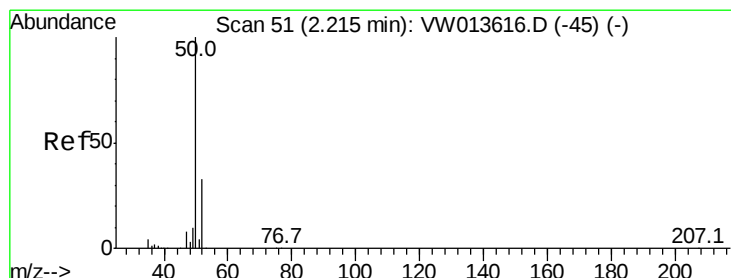
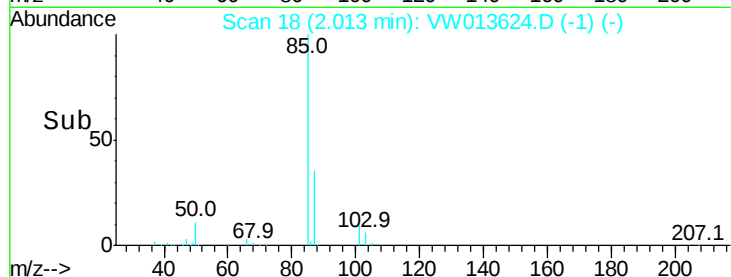
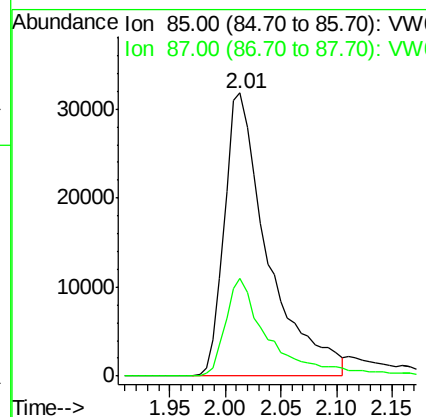
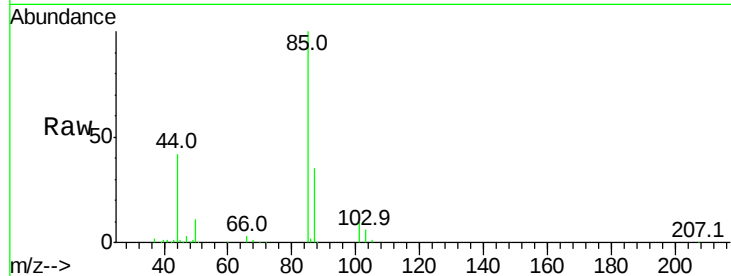
VSTD02523

Tgt Ion: 85 Resp: 86532

Ion Ratio Lower Upper

85 100

87 31.7 20.2 37.4



#3

Chloromethane

Concen: 23.768 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013624.D

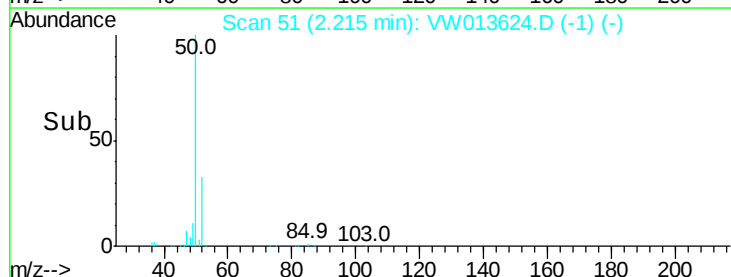
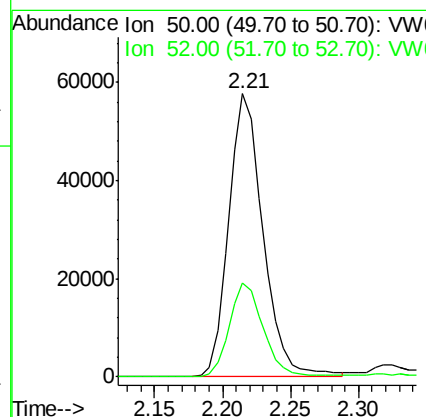
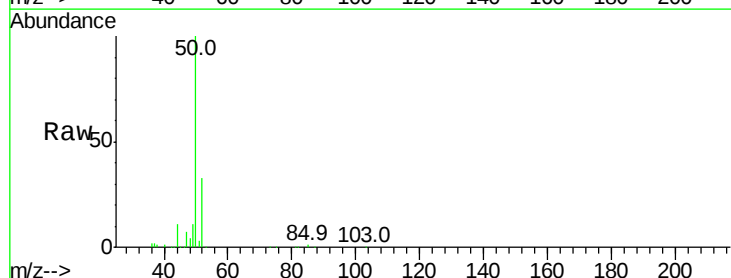
Acq: 18 Oct 2019 17:58

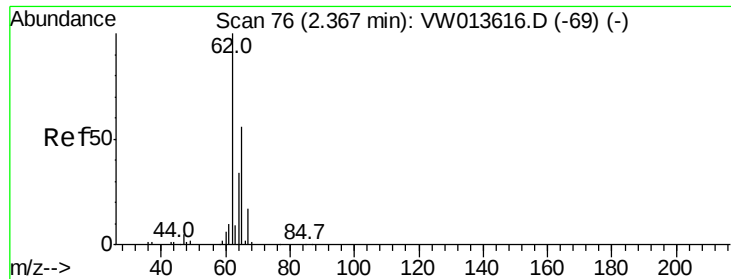
Tgt Ion: 50 Resp: 100686

Ion Ratio Lower Upper

50 100

52 33.0 23.3 43.3





#5

Vinyl chloride

Concen: 26.673 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

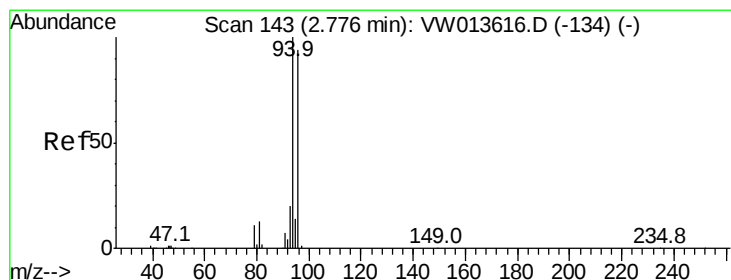
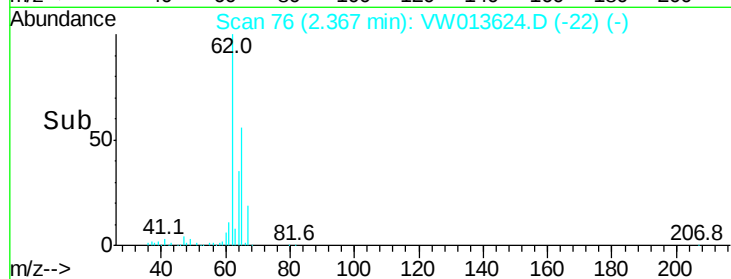
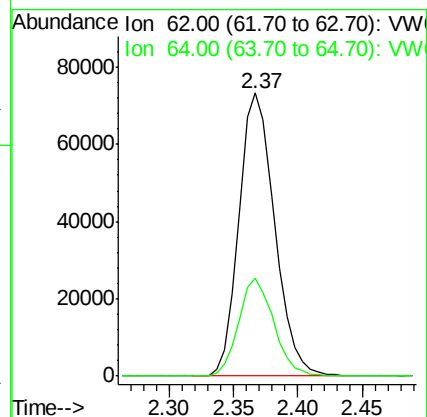
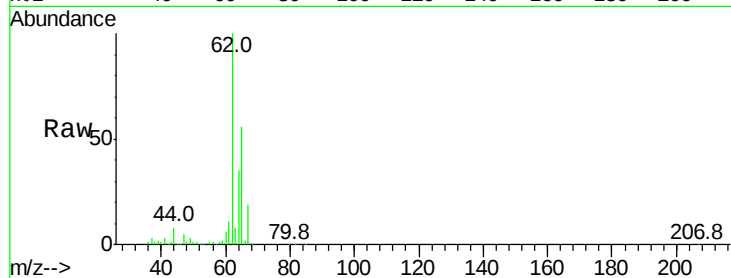
VSTD02523

Tgt Ion: 62 Resp: 141205

Ion Ratio Lower Upper

62 100

64 34.7 23.9 44.5



#6

Bromomethane

Concen: 24.228 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013624.D

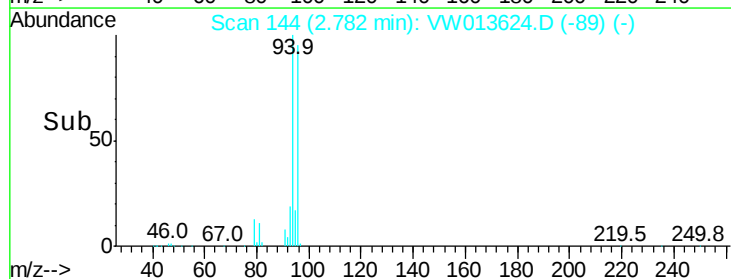
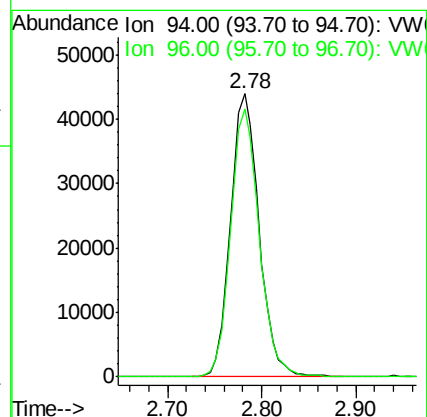
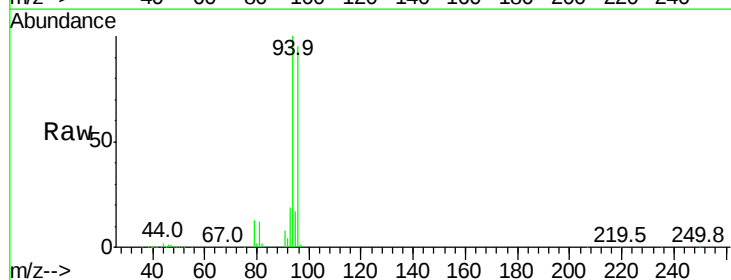
Acq: 18 Oct 2019 17:58

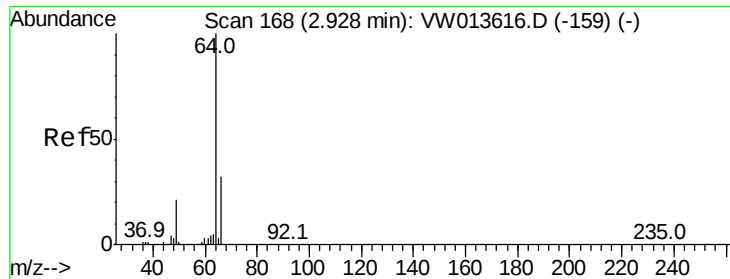
Tgt Ion: 94 Resp: 92679

Ion Ratio Lower Upper

94 100

96 95.0 9.3 176.9





#8

Chloroethane

Concen: 24.763 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

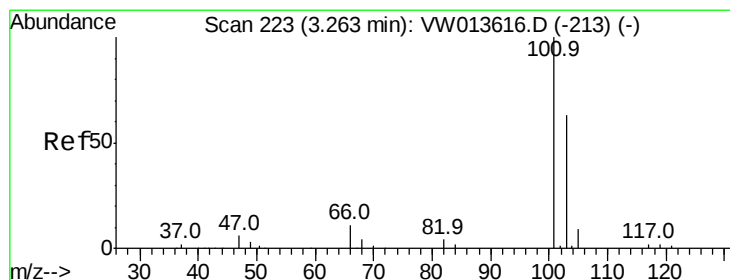
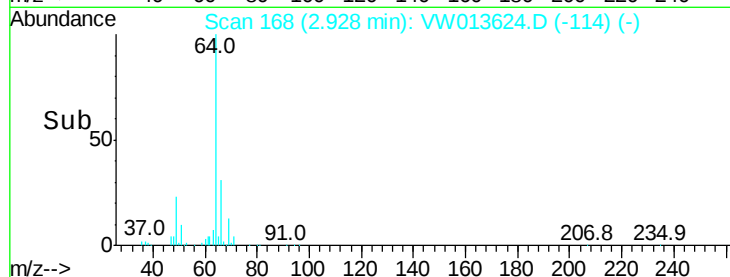
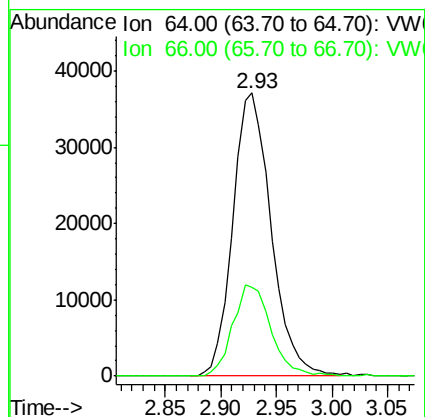
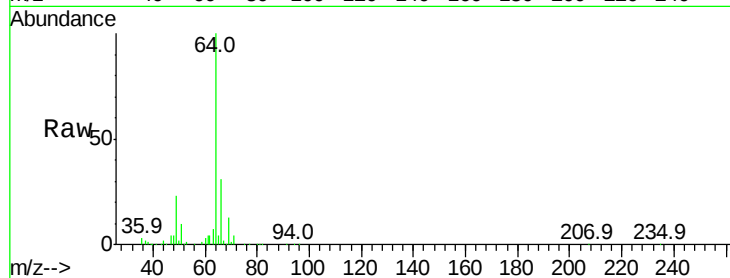
VSTD02523

Tgt Ion: 64 Resp: 88591

Ion Ratio Lower Upper

64 100

66 31.3 22.2 41.2



#9

Trichlorofluoromethane

Concen: 28.771 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW013624.D

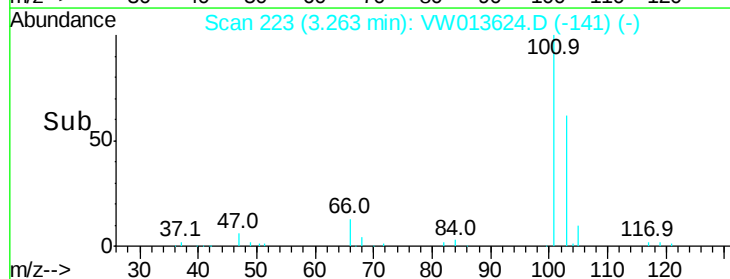
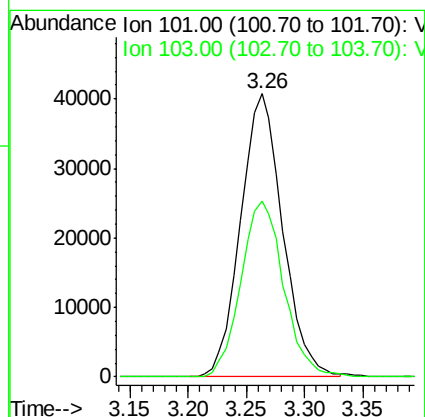
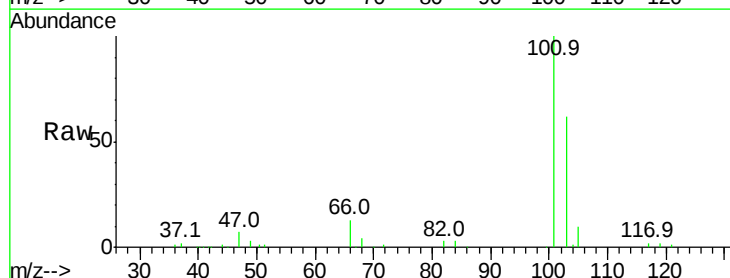
Acq: 18 Oct 2019 17:58

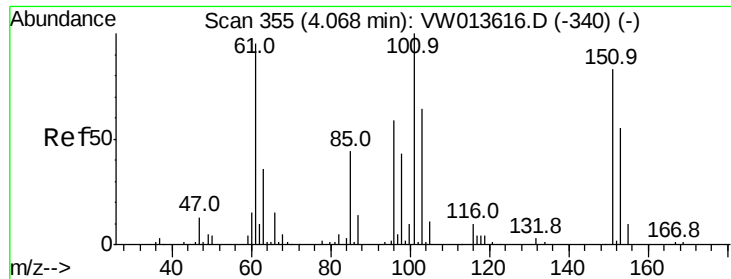
Tgt Ion: 101 Resp: 102658

Ion Ratio Lower Upper

101 100

103 63.4 46.5 86.5





#11

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

Concen: 25.321 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

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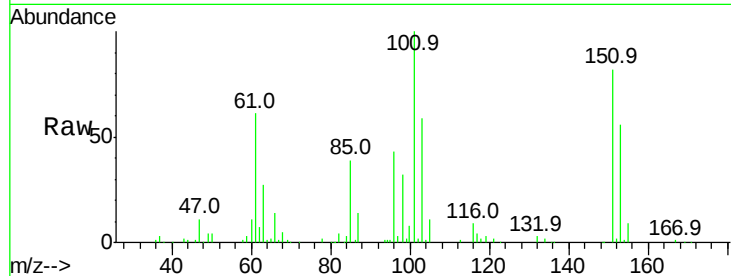
Tgt Ion: 101 Resp: 142269

Ion Ratio Lower Upper

101 100

85 39.7 32.0 48.0

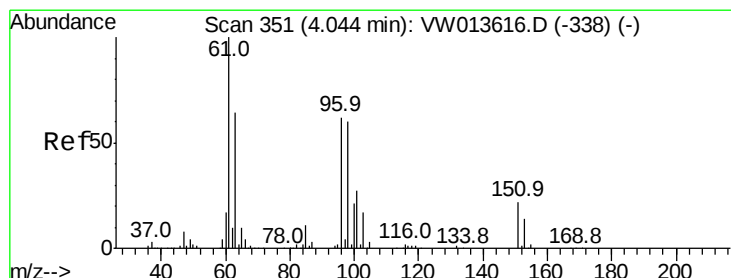
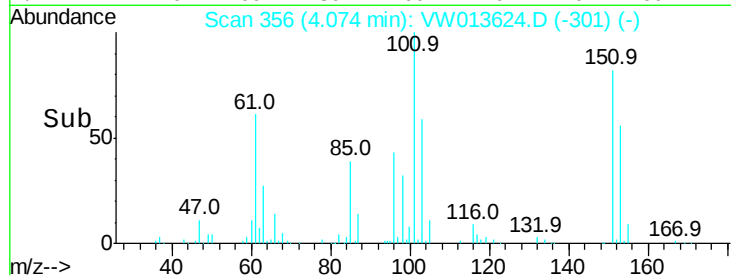
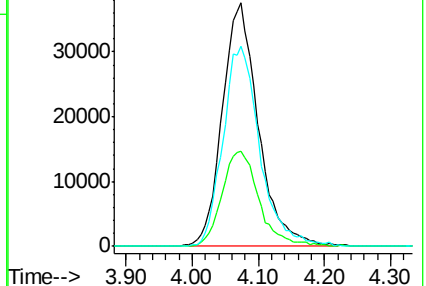
151 82.2 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.700 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

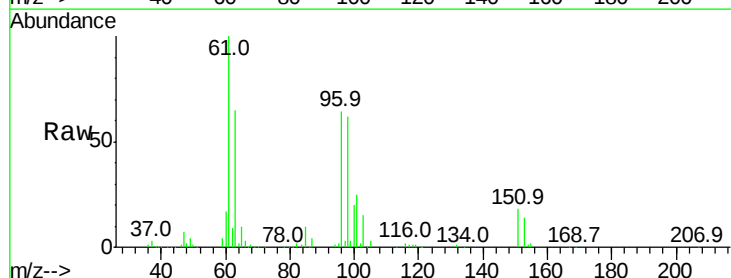
Tgt Ion: 96 Resp: 142106

Ion Ratio Lower Upper

96 100

61 156.8 112.7 209.3

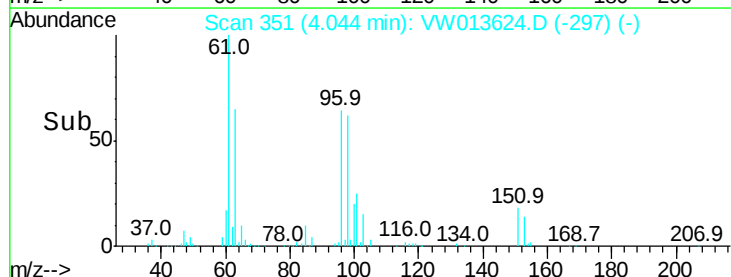
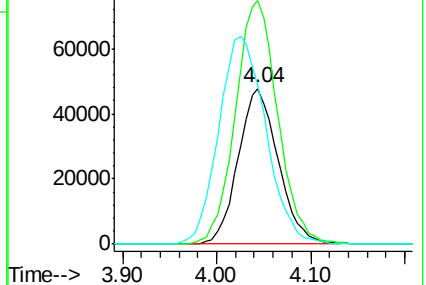
63 102.5 72.8 135.2

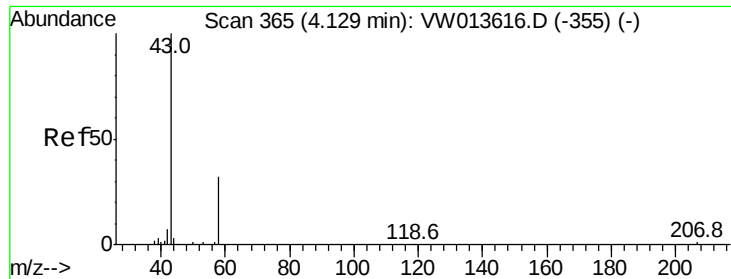


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.289 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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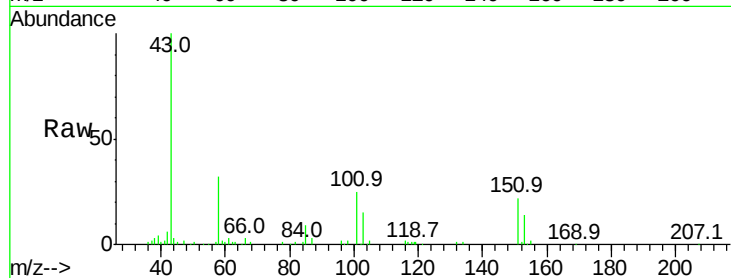
VSTD02523

Tgt Ion: 43 Resp: 73355

Ion Ratio Lower Upper

43 100

58 35.2 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

30000

25000

20000

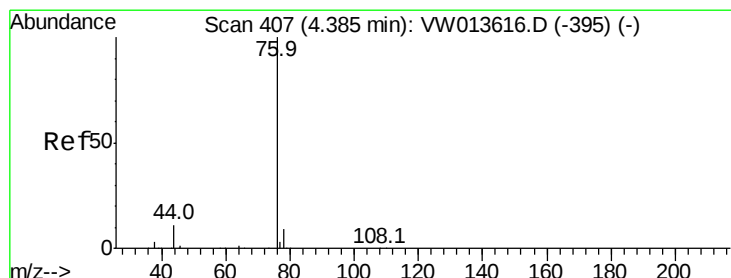
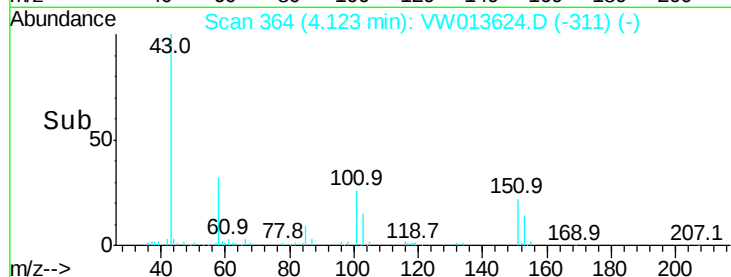
15000

10000

5000

0

Time--> 4.00 4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 26.336 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013624.D

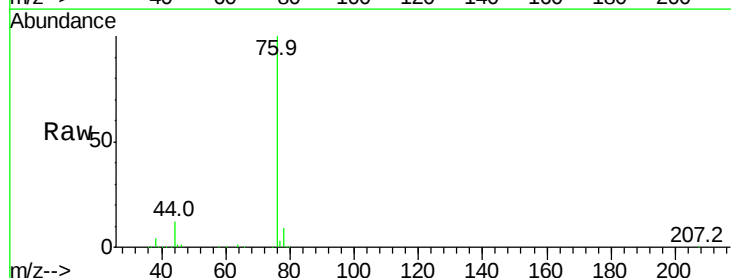
Acq: 18 Oct 2019 17:58

Tgt Ion: 76 Resp: 416678

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

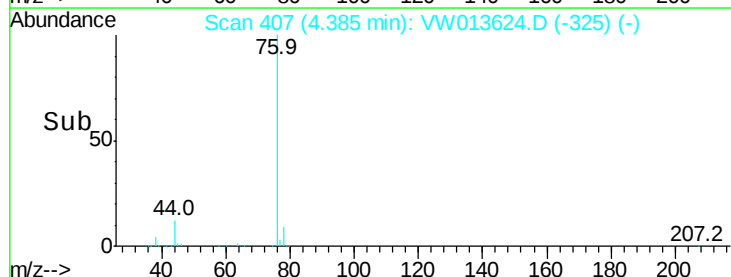
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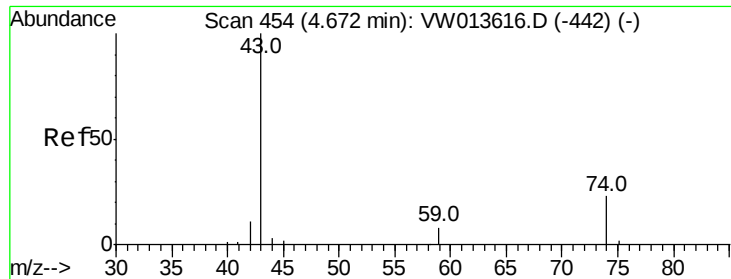
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50000

0

Time--> 4.20 4.30 4.40 4.50

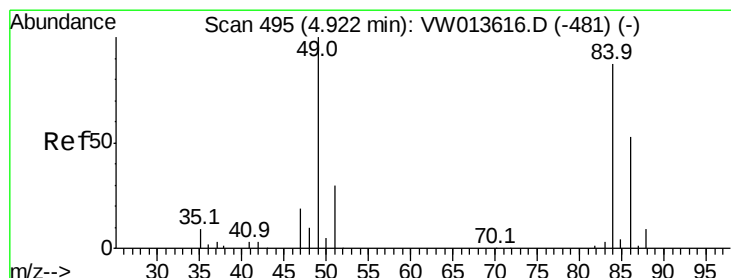
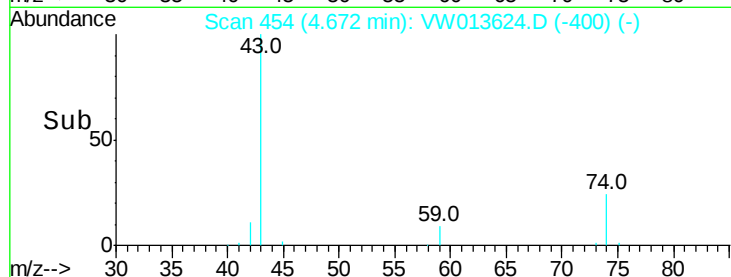
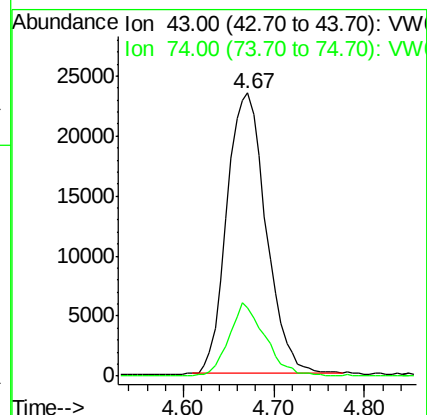
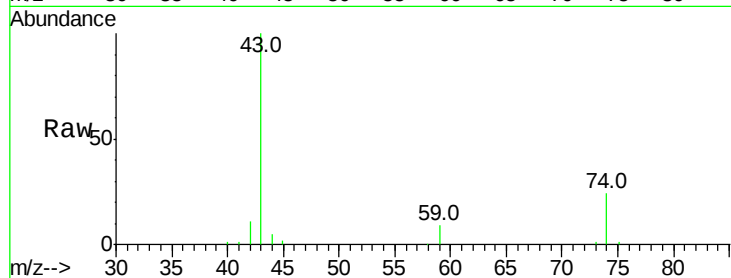




#15
Methyl Acetate
Concen: 25.424 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

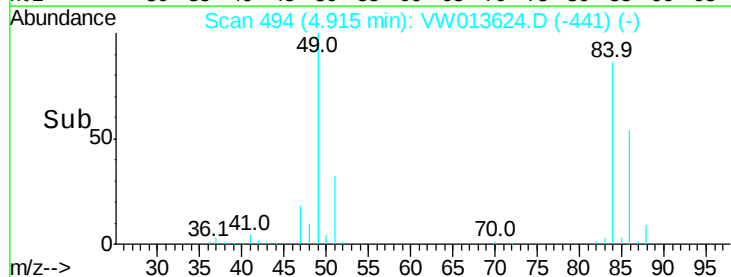
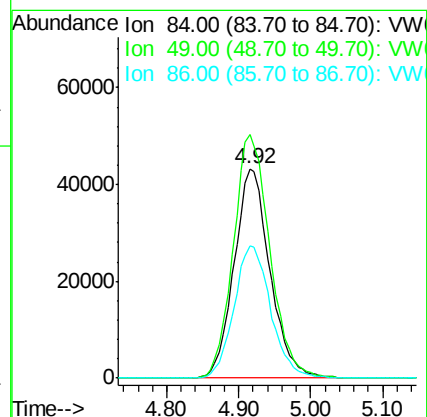
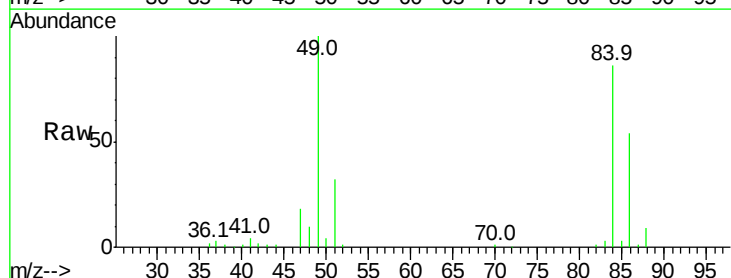
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

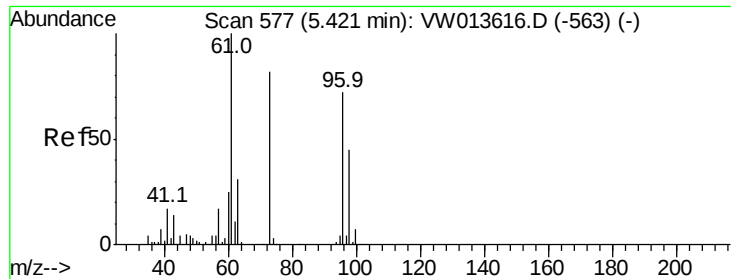
Tgt Ion: 43 Resp: 70394
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



#16
Methylene chloride
Concen: 22.447 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 84 Resp: 149548
Ion Ratio Lower Upper
84 100
49 116.3 80.2 148.9
86 63.3 42.7 79.3

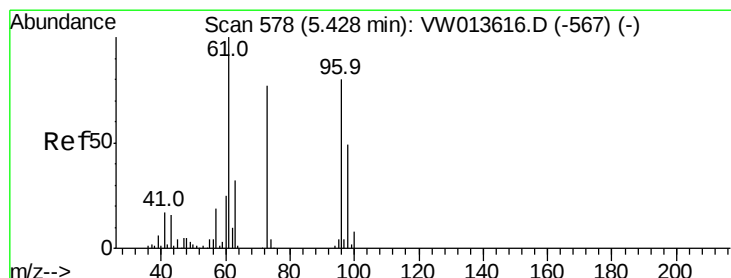
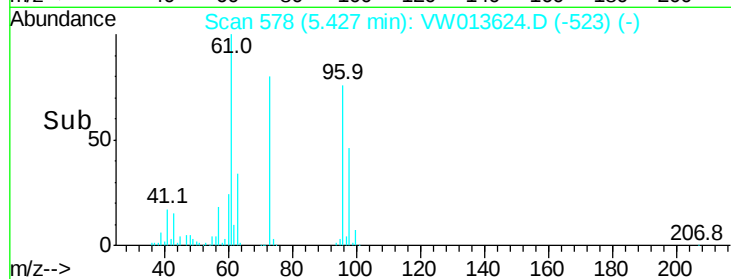
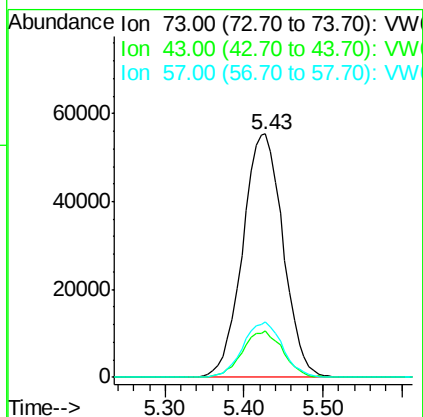
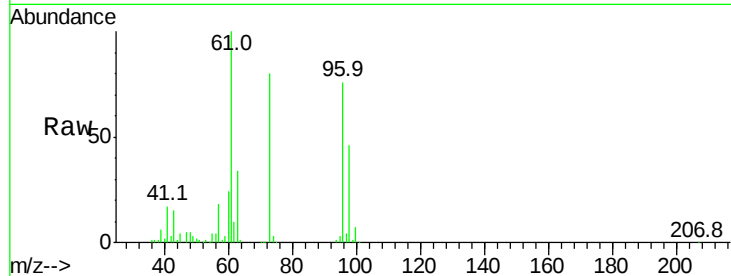




#17
Methyl tert-butyl Ether
Concen: 25.715 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

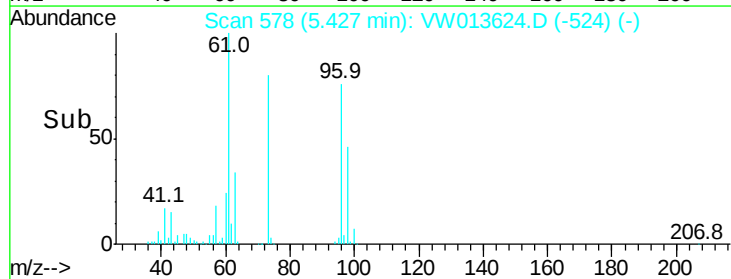
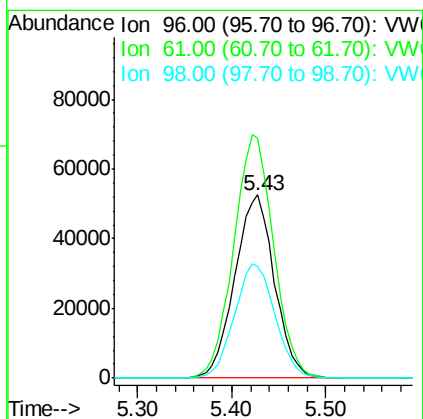
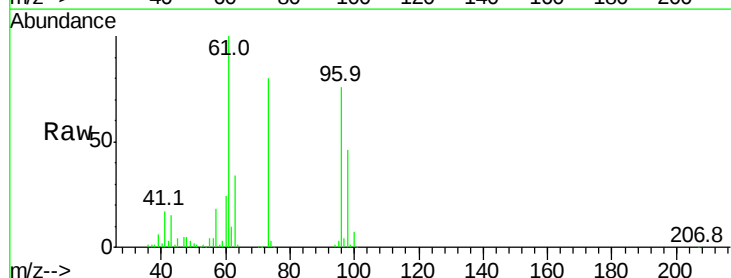
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

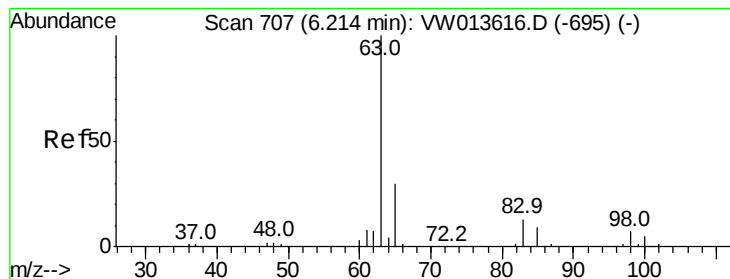
Tgt Ion: 73 Resp: 196739
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.2
57 22.3 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 25.267 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 96 Resp: 154444
Ion Ratio Lower Upper
96 100
61 131.3 88.4 164.2
98 61.0 43.0 79.8





#19

1,1-Dichloroethane

Concen: 24.894 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

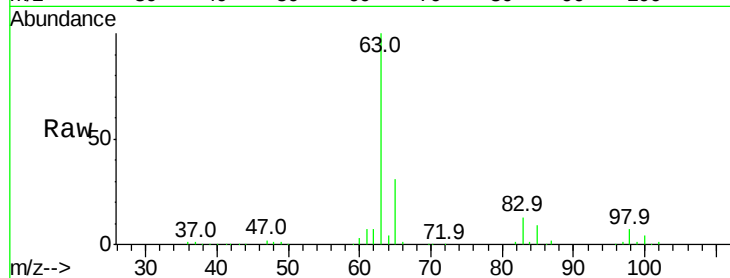
Tgt Ion: 63 Resp: 257565

Ion Ratio Lower Upper

63 100

65 31.0 20.9 38.7

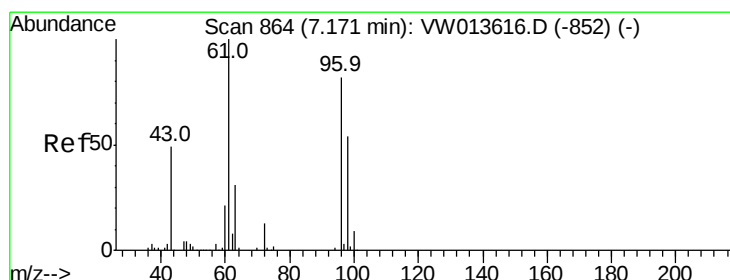
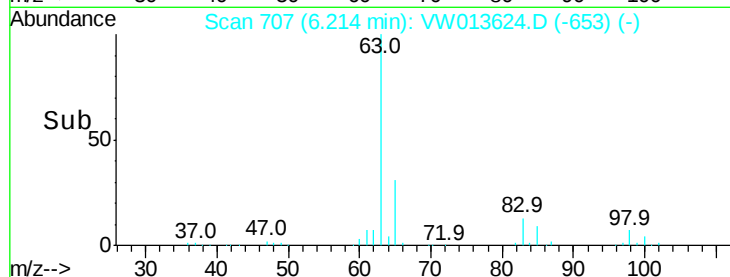
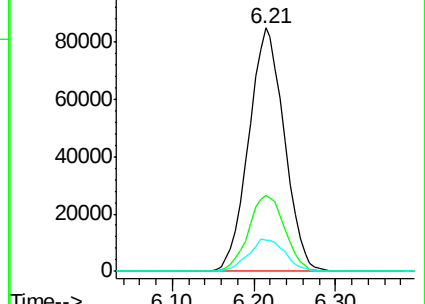
83 12.7 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 46.724 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013624.D

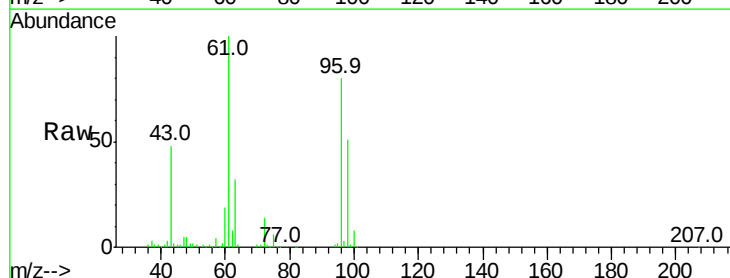
Acq: 18 Oct 2019 17:58

Tgt Ion: 43 Resp: 100527

Ion Ratio Lower Upper

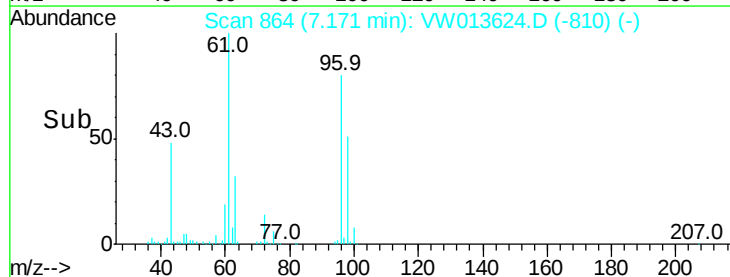
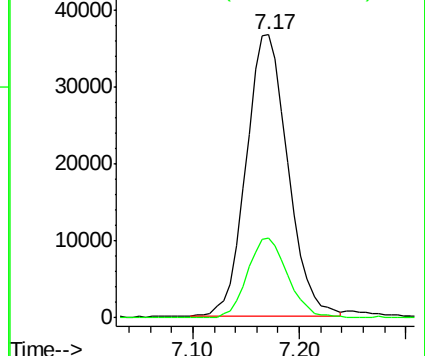
43 100

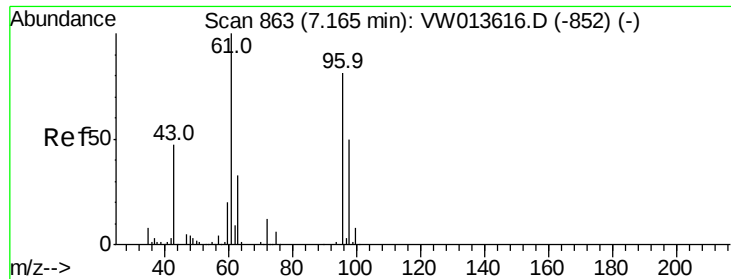
72 27.2 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



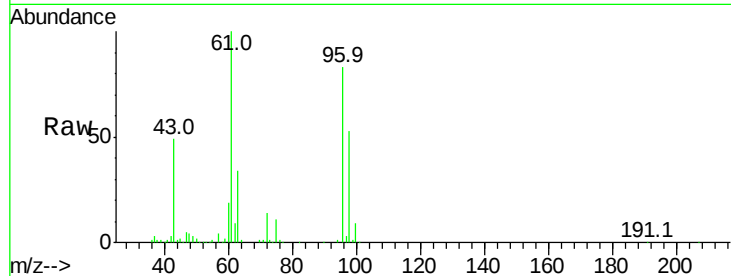


#22

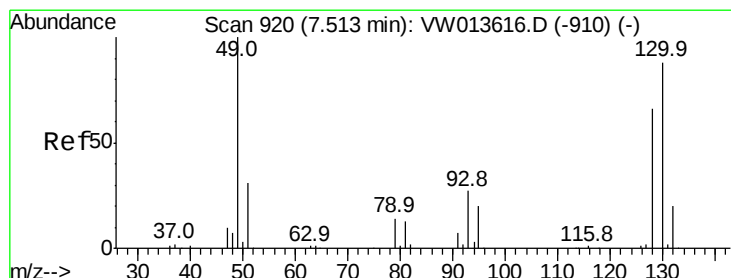
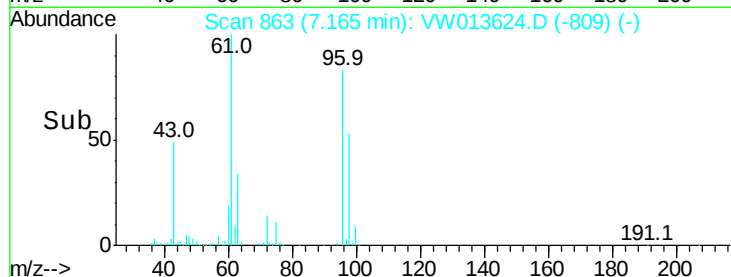
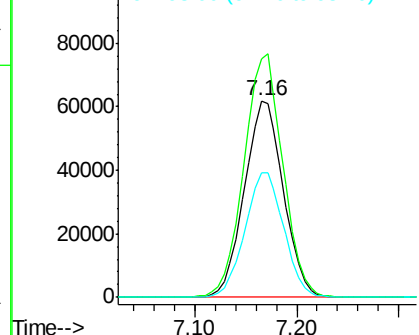
cis-1,2-Dichloroethene
Concen: 25.091 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Tgt Ion: 96 Resp: 164624
Ion Ratio Lower Upper
96 100
61 121.1 86.2 160.0
98 63.6 43.0 79.8



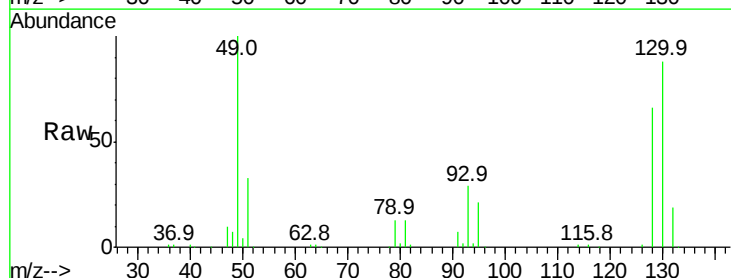
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



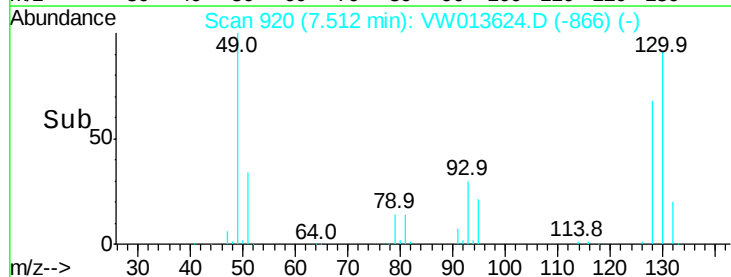
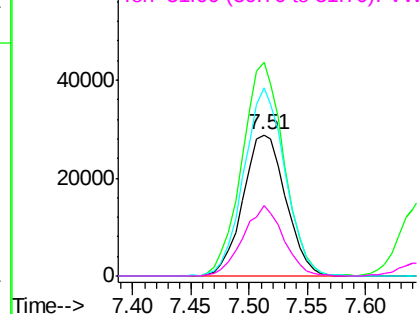
#23

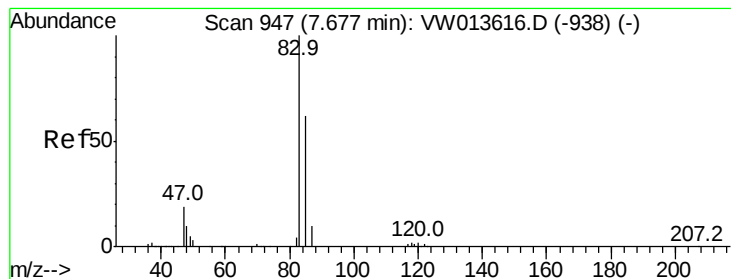
Bromochloromethane
Concen: 24.869 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 128 Resp: 73750
Ion Ratio Lower Upper
128 100
49 151.6 106.3 197.3
130 133.9 93.2 173.2
51 50.2 37.4 56.0



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





#25

Chloroform

Concen: 24.777 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

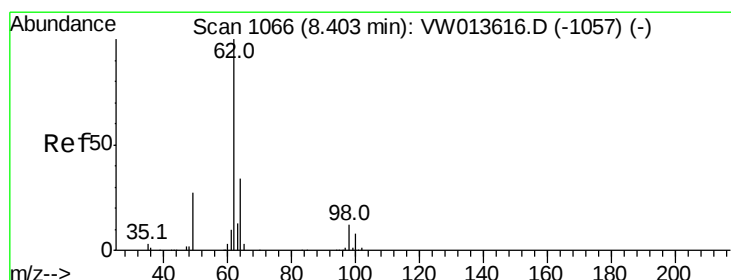
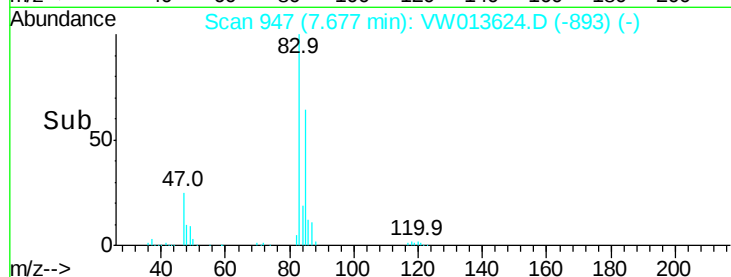
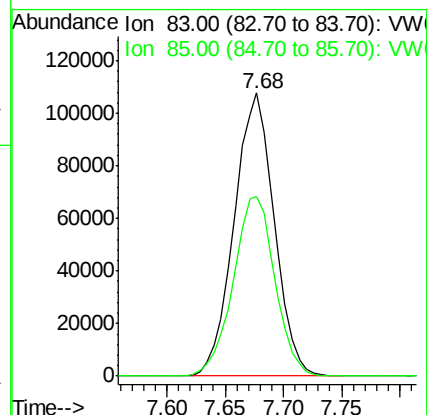
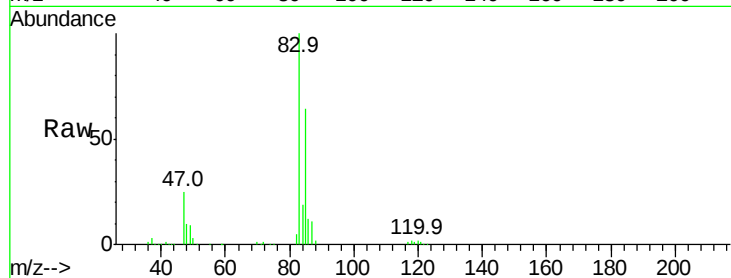
VSTD02523

Tgt Ion: 83 Resp: 257511

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.7



#27

1,2-Dichloroethane

Concen: 24.425 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW013624.D

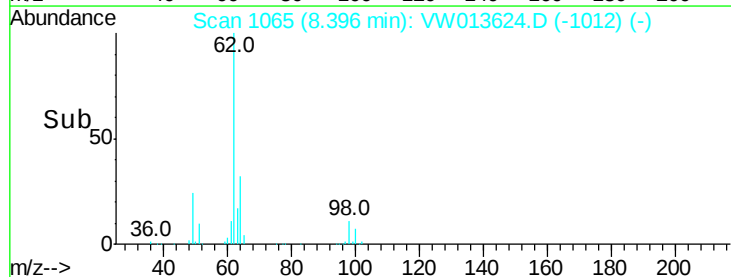
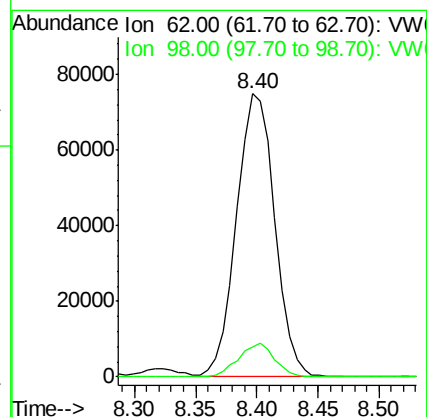
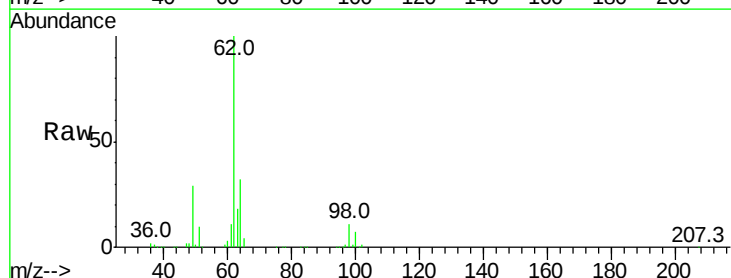
Acq: 18 Oct 2019 17:58

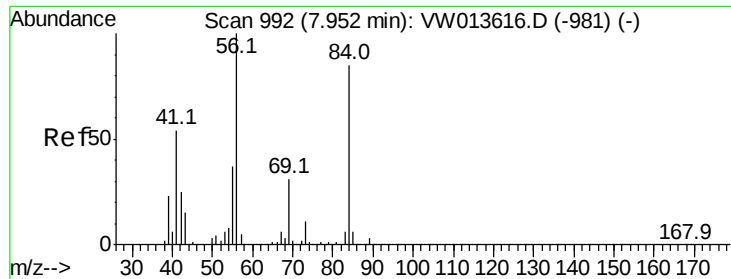
Tgt Ion: 62 Resp: 162703

Ion Ratio Lower Upper

62 100

98 10.6 9.6 14.4

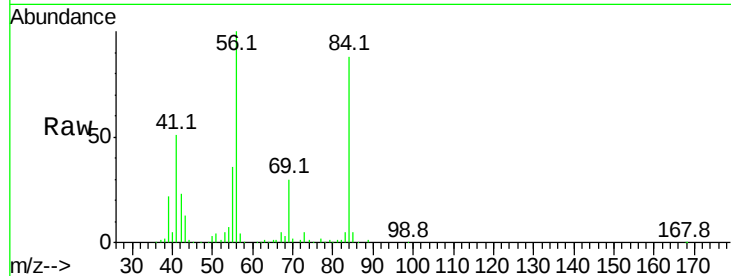




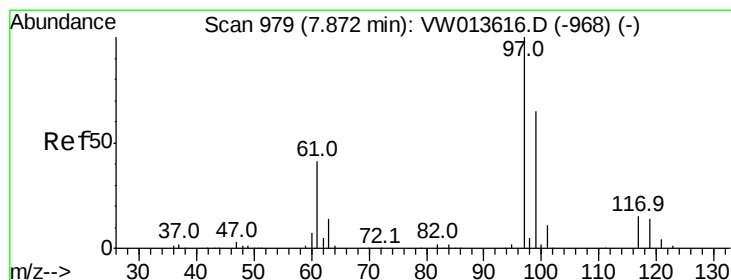
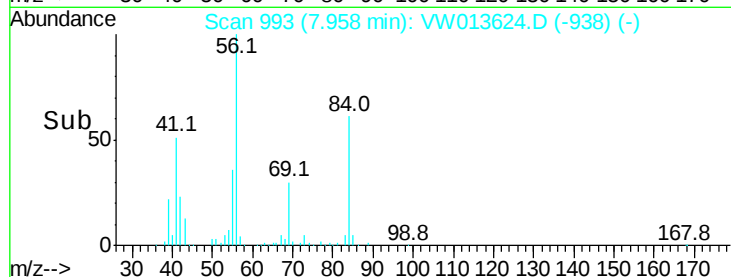
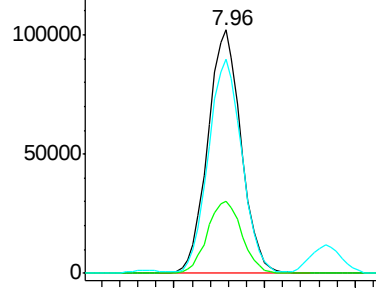
#30
Cyclohexane
Concen: 26.357 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Tgt Ion: 56 Resp: 259418
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 89.1 71.1 106.7

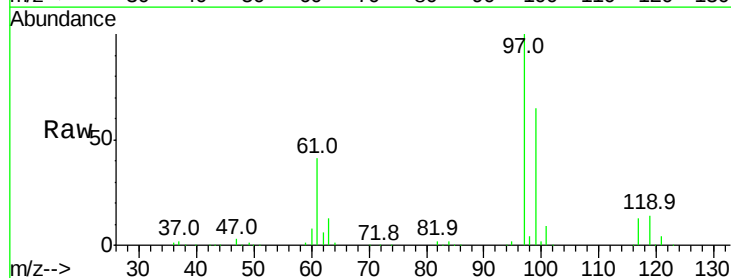


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

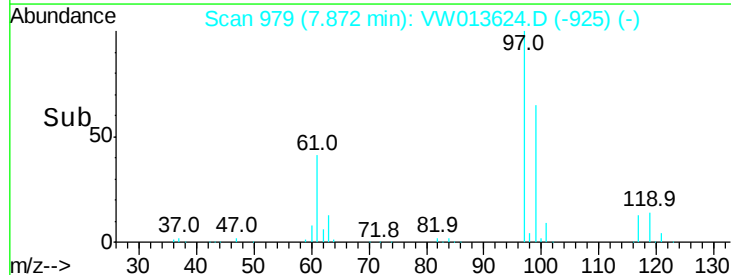
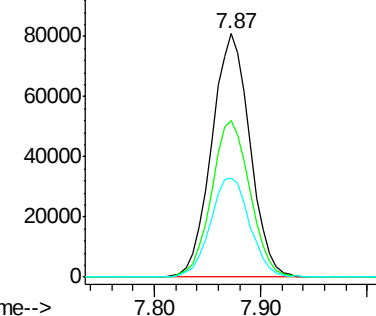


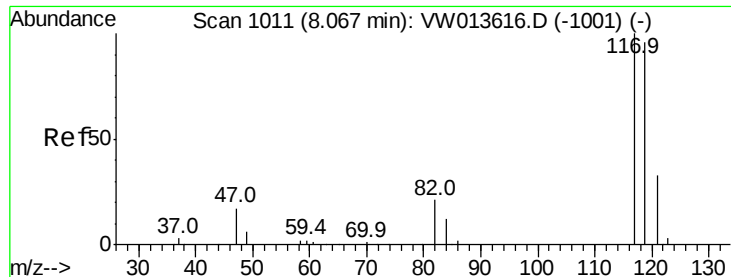
#31
1,1,1-Trichloroethane
Concen: 26.075 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 97 Resp: 204317
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 42.0 33.8 50.8



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

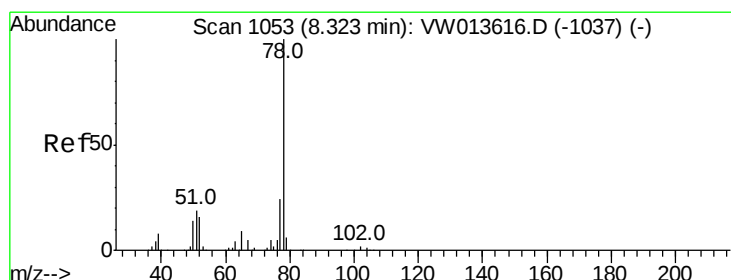
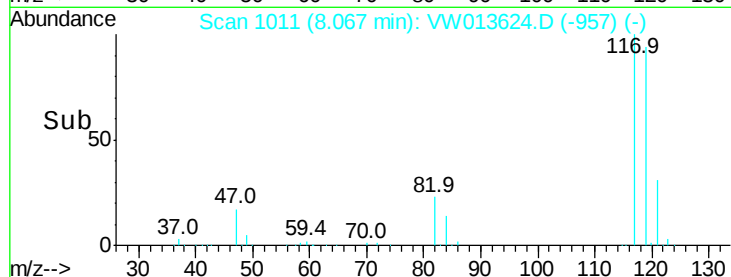
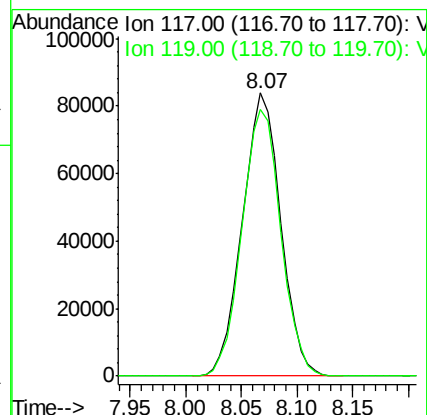
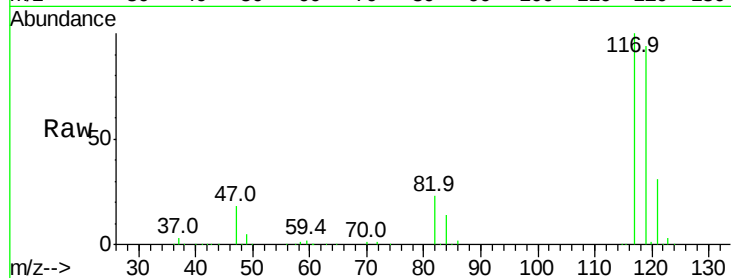




#32
Carbon tetrachloride
Concen: 26.384 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

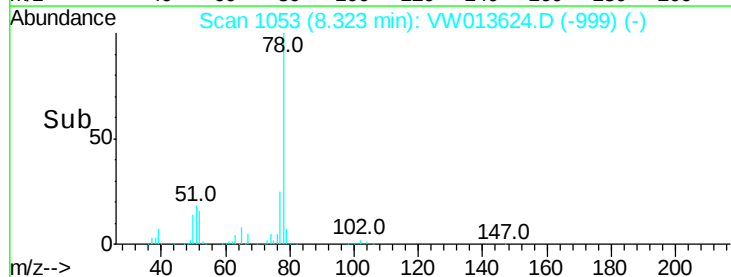
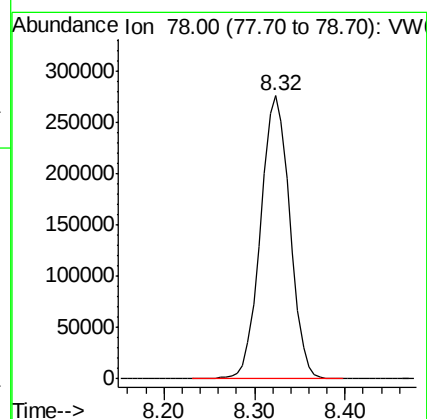
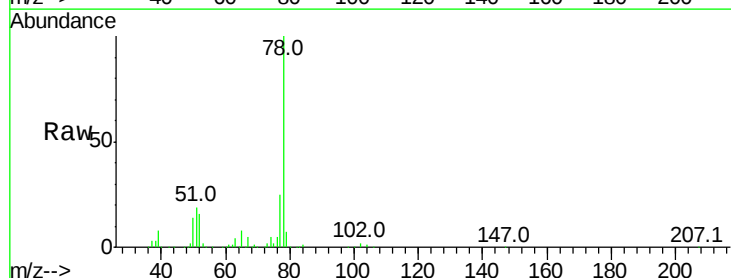
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

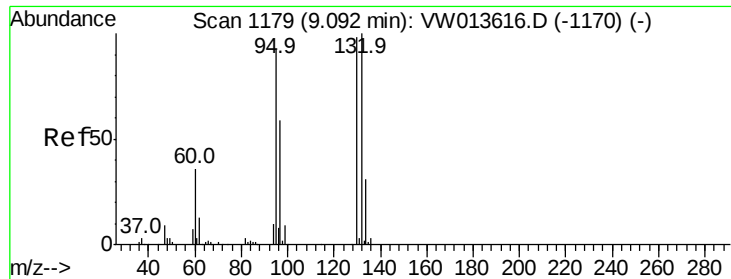
Tgt Ion:117 Resp: 201318
Ion Ratio Lower Upper
117 100
119 95.5 76.1 114.1



#34
Benzene
Concen: 25.565 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 78 Resp: 616259





#35

Trichloroethene

Concen: 26.039 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 95 Resp: 161046

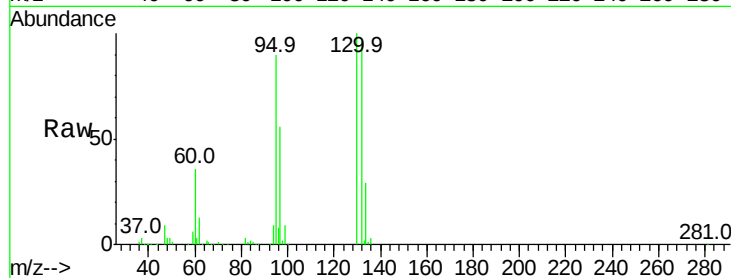
Ion Ratio Lower Upper

95 100

97 63.3 45.8 85.2

132 105.4 74.3 138.1

130 109.3 76.6 142.3

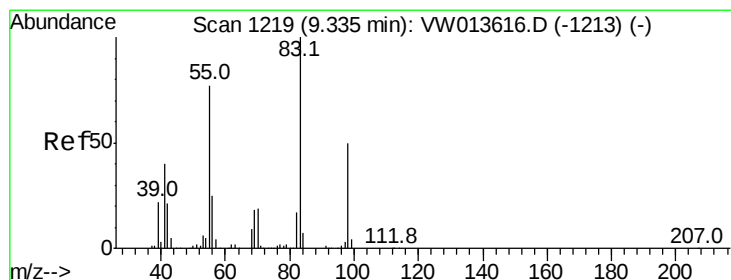
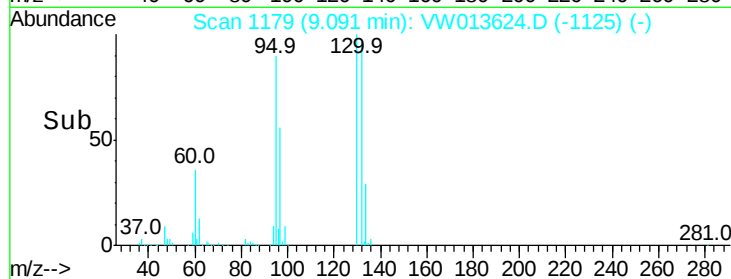
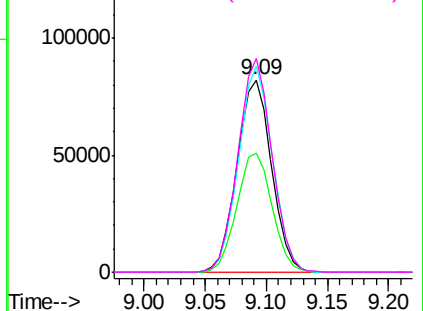


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.895 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

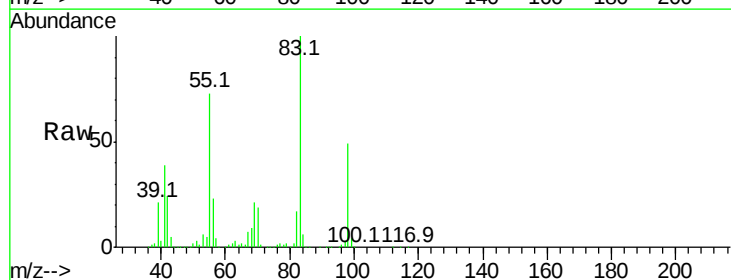
Tgt Ion: 83 Resp: 282280

Ion Ratio Lower Upper

83 100

55 75.7 60.2 90.4

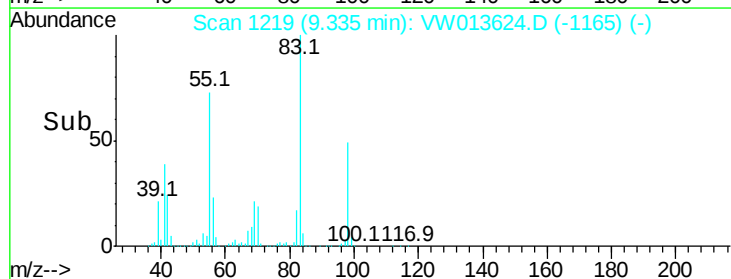
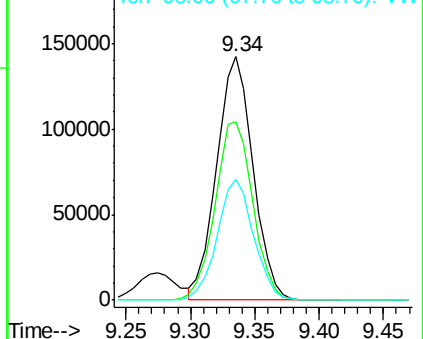
98 49.2 39.1 58.7

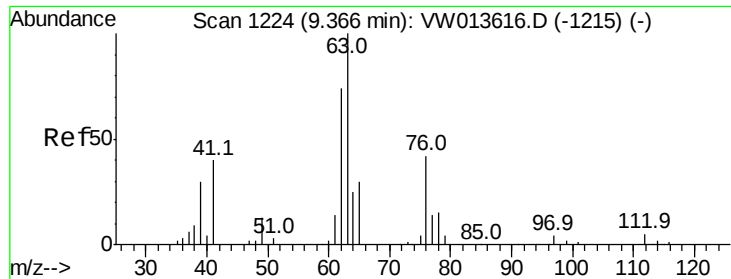


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

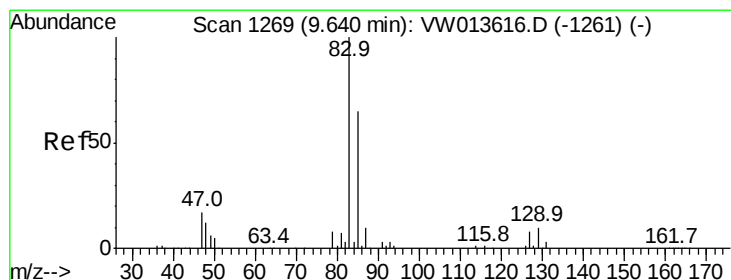
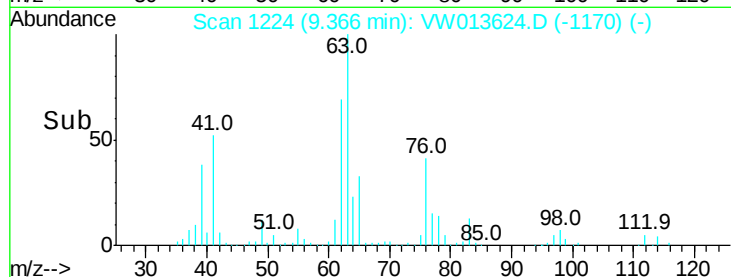
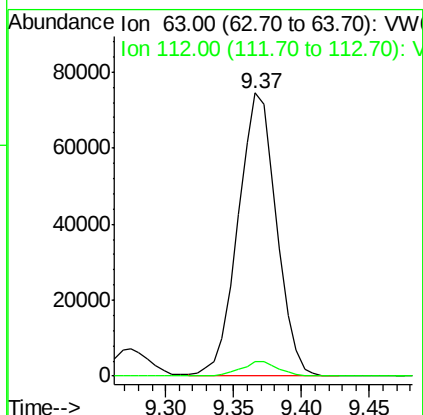
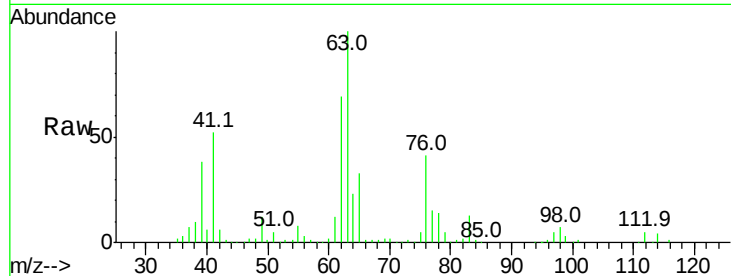




#40
 1,2-Dichloropropane
 Concen: 25.033 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

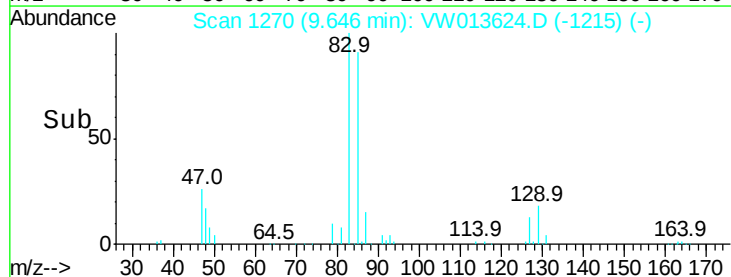
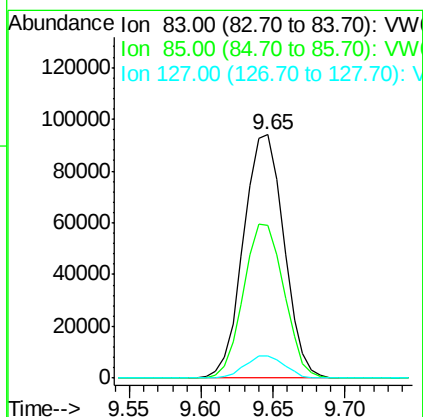
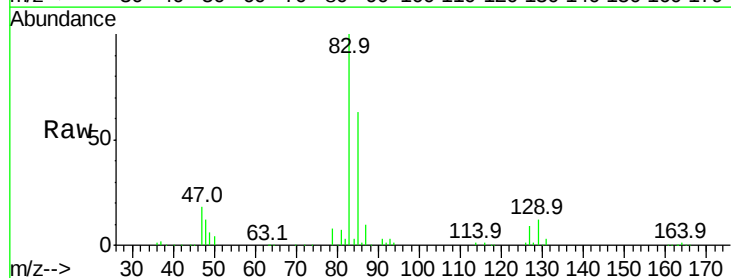
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

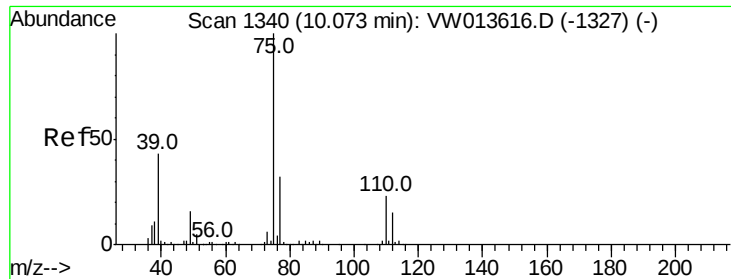
Tgt Ion: 63 Resp: 147546
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.421 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

Tgt Ion: 83 Resp: 183584
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.8 85.0
 127 9.2 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 25.324 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

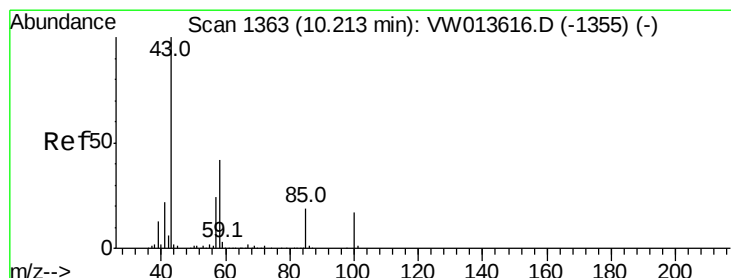
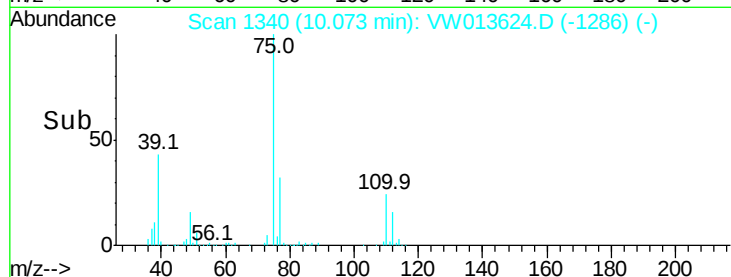
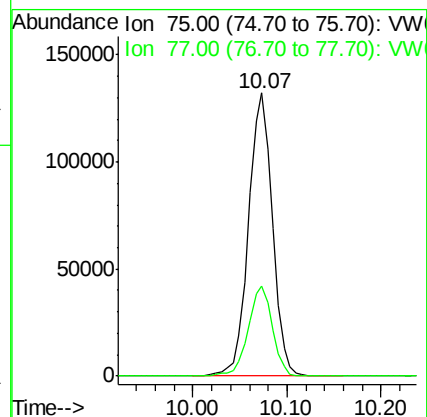
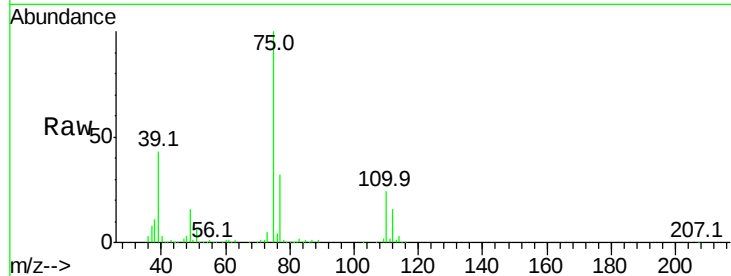
VSTD02523

Tgt Ion: 75 Resp: 235655

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 49.553 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

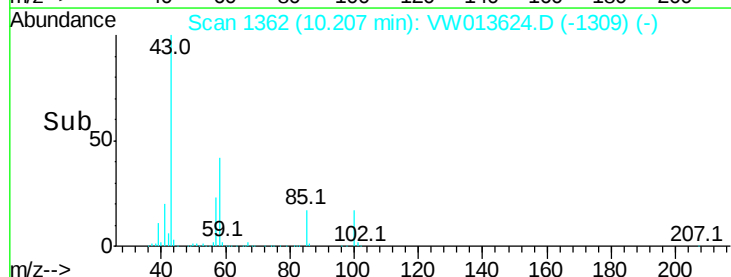
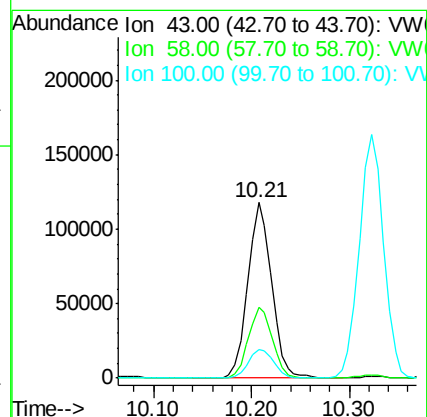
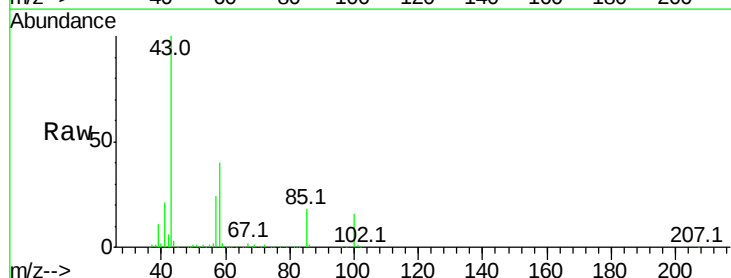
Tgt Ion: 43 Resp: 199268

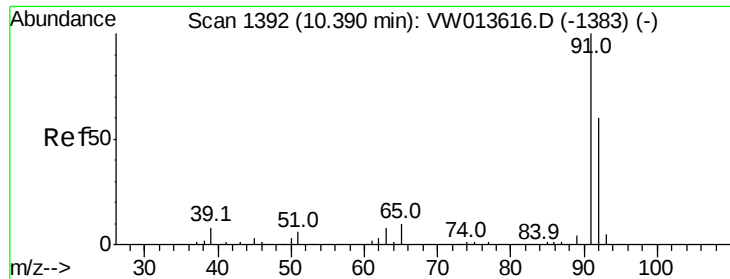
Ion Ratio Lower Upper

43 100

58 40.9 32.8 49.2

100 17.4 13.7 20.5





#44

Toluene

Concen: 25.671 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

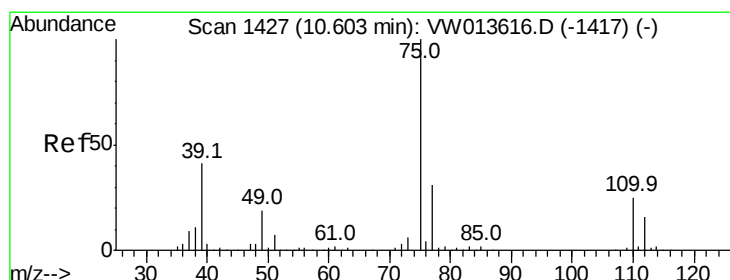
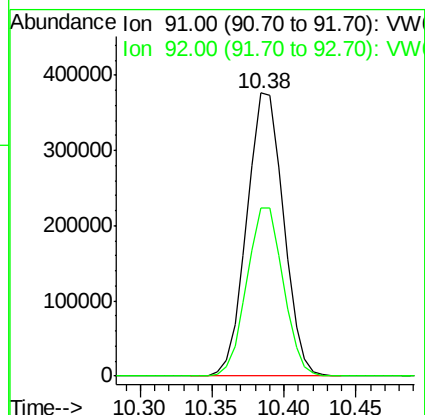
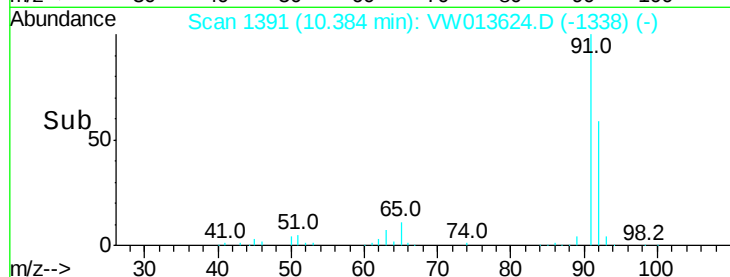
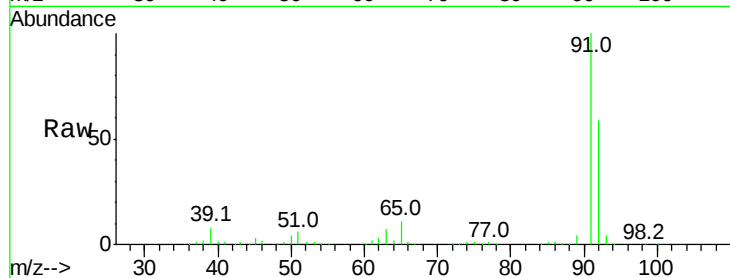
VSTD02523

Tgt Ion: 91 Resp: 664838

Ion Ratio Lower Upper

91 100

92 59.4 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 25.065 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013624.D

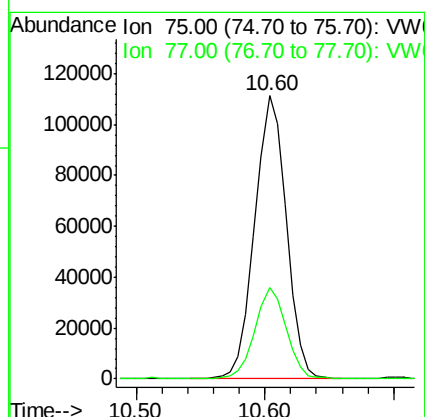
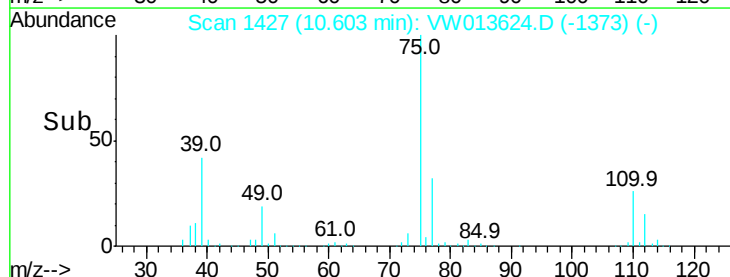
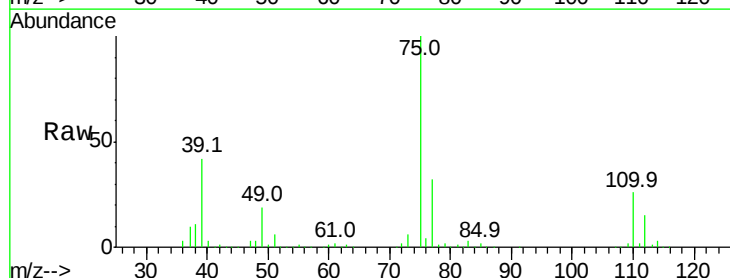
Acq: 18 Oct 2019 17:58

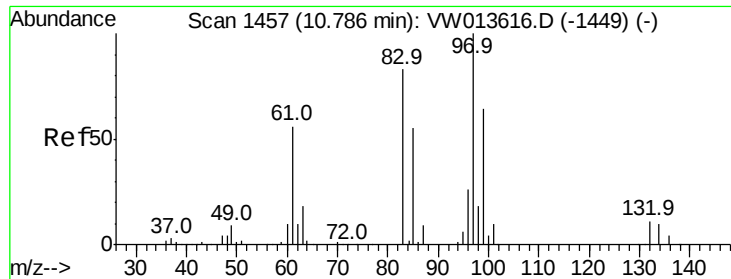
Tgt Ion: 75 Resp: 188278

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0

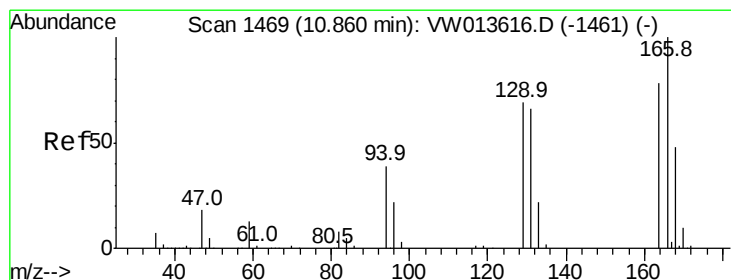
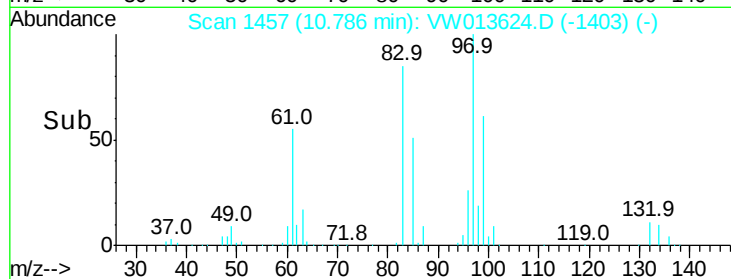
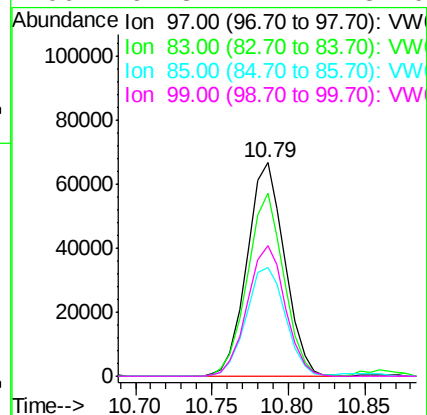
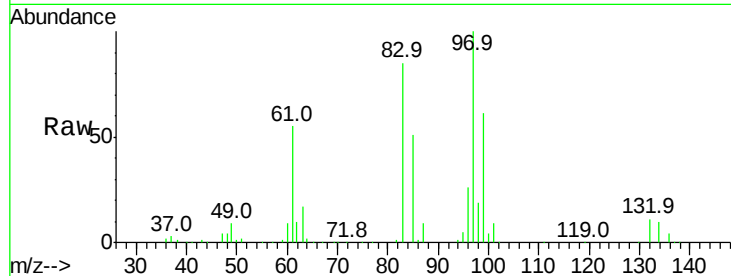




#46
1,1,2-Trichloroethane
Concen: 25.098 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

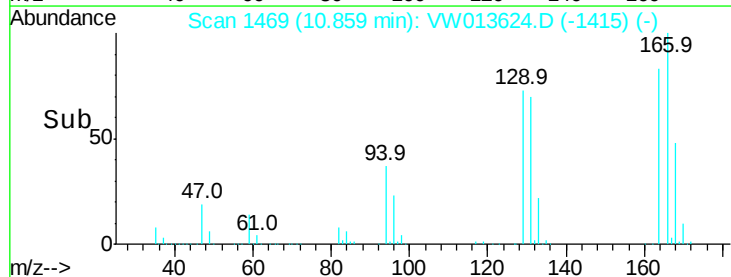
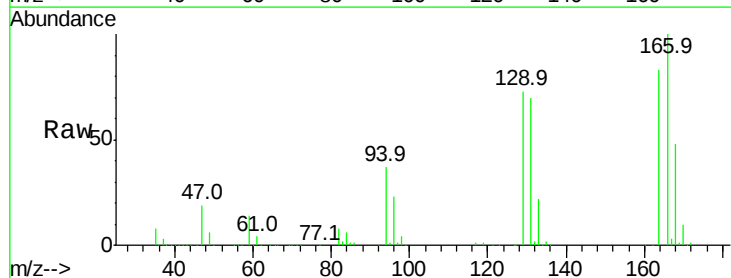
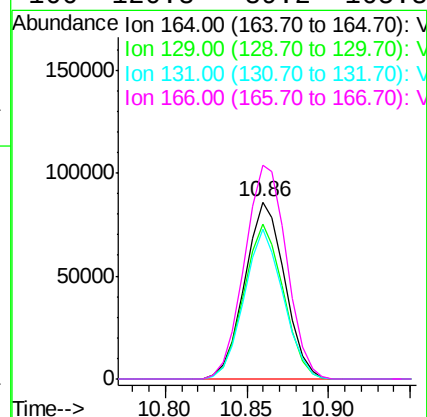
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

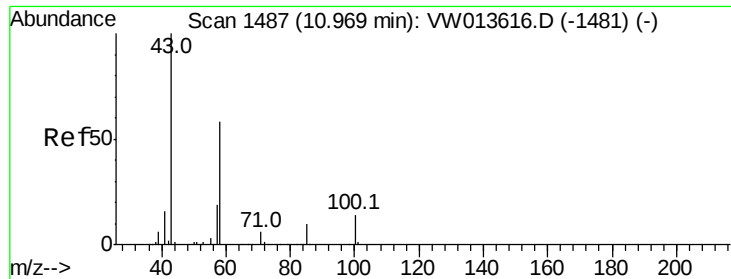
Tgt Ion: 97 Resp: 114085
Ion Ratio Lower Upper
97 100
83 85.4 57.7 107.3
85 51.1 38.6 71.6
99 61.3 44.7 82.9



#47
Tetrachloroethene
Concen: 25.868 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 164 Resp: 146448
Ion Ratio Lower Upper
164 100
129 87.6 61.8 114.8
131 85.0 59.2 110.0
166 120.8 89.2 165.8





#49

2-Hexanone

Concen: 49.237 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 43 Resp: 140465

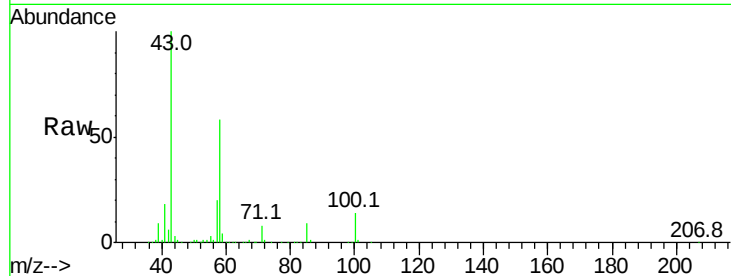
Ion Ratio Lower Upper

43 100

58 59.4 45.8 68.6

57 20.7 15.4 23.2

100 14.2 10.8 16.2

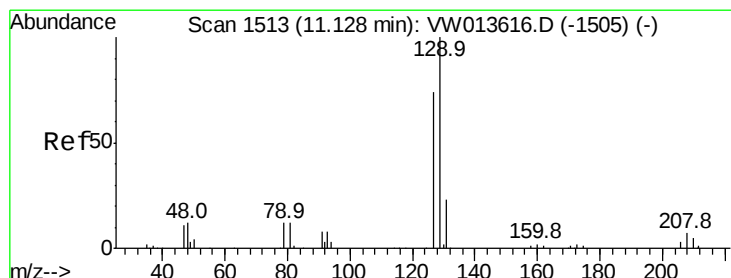
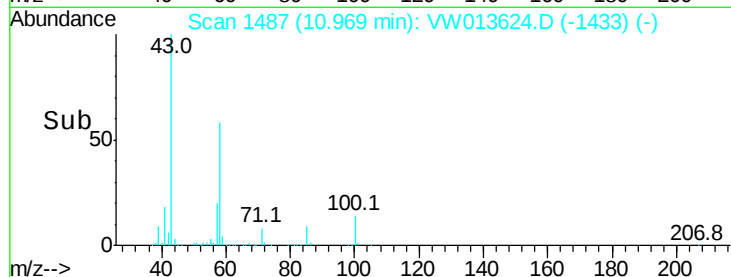
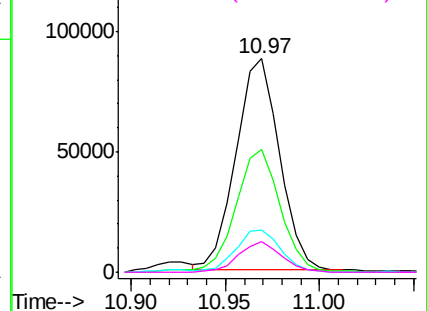


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.981 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013624.D

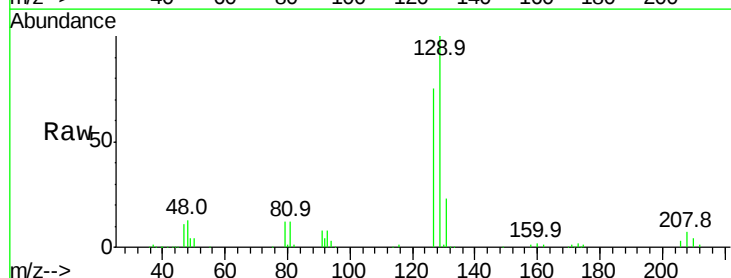
Acq: 18 Oct 2019 17:58

Tgt Ion: 129 Resp: 134017

Ion Ratio Lower Upper

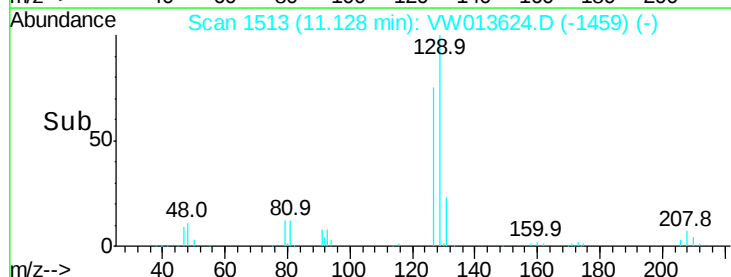
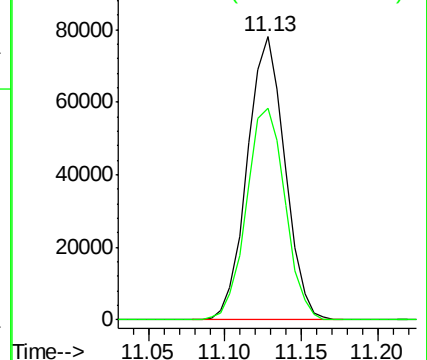
129 100

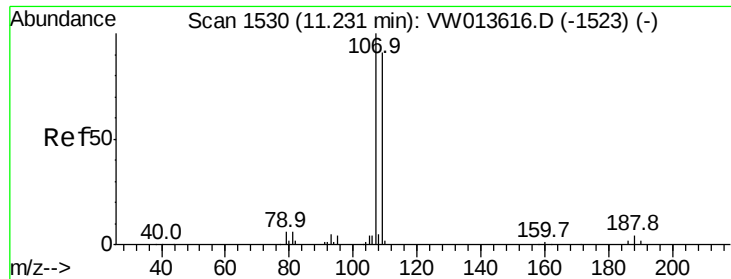
127 74.8 51.4 95.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

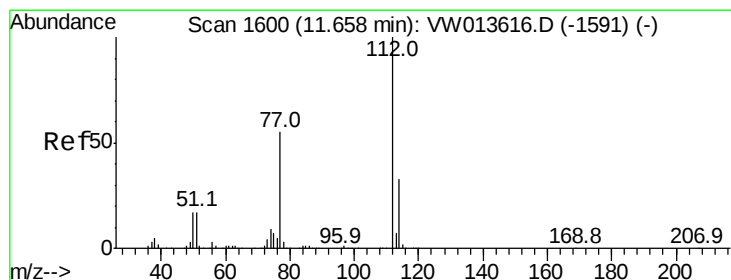
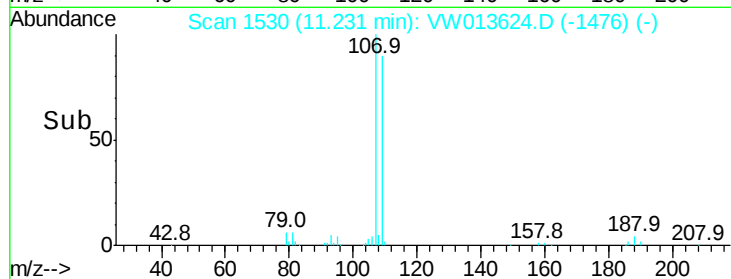
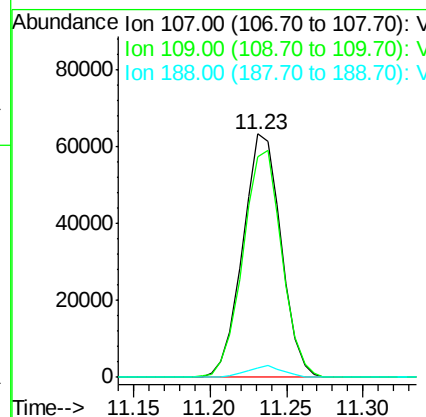
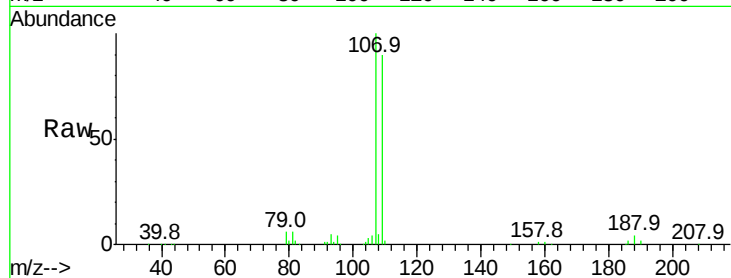




#51
1,2-Dibromoethane
Concen: 24.968 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

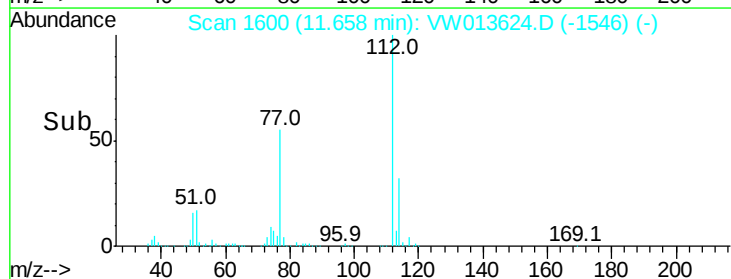
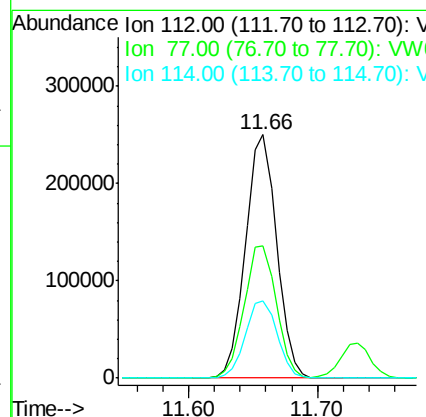
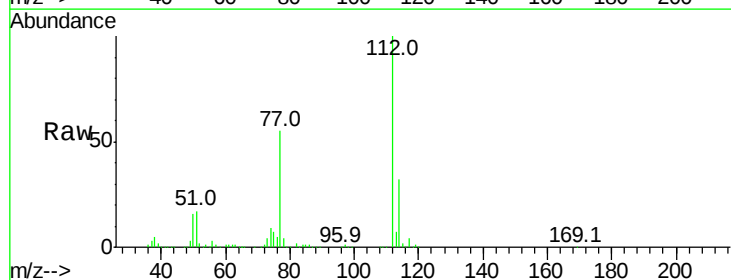
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

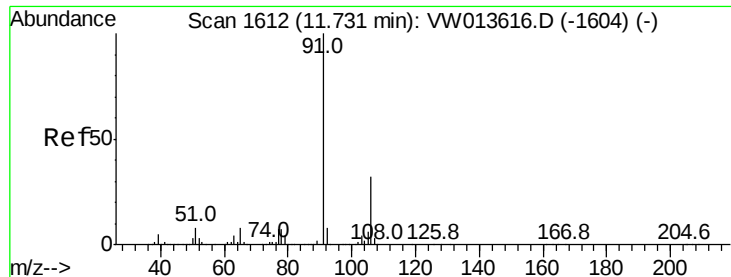
Tgt Ion:107 Resp: 110367
Ion Ratio Lower Upper
107 100
109 90.4 64.0 118.8
188 4.1 3.4 5.2



#52
Chlorobenzene
Concen: 25.142 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion:112 Resp: 416624
Ion Ratio Lower Upper
112 100
77 54.6 44.1 66.1
114 31.6 23.4 43.4

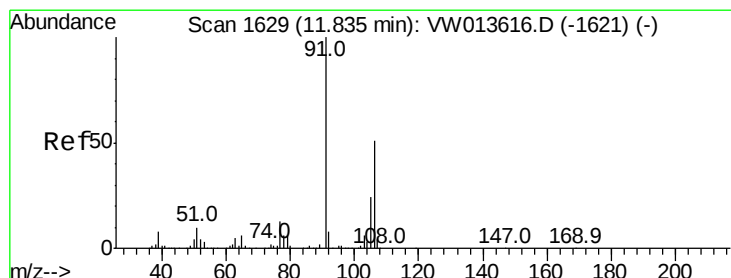
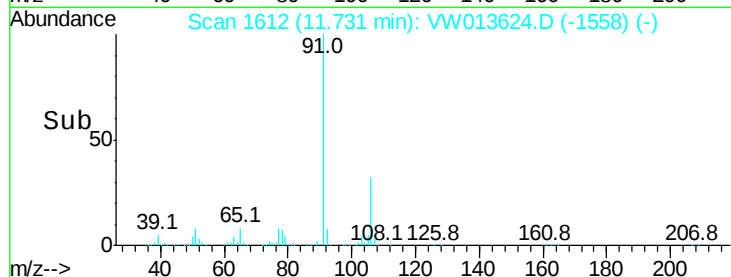
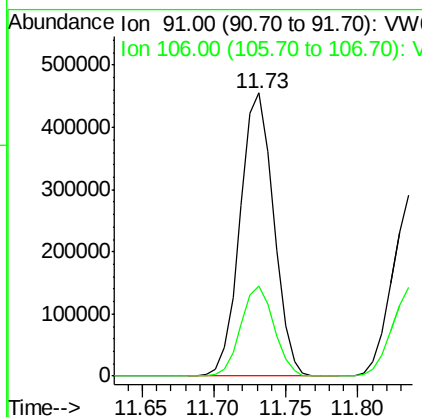
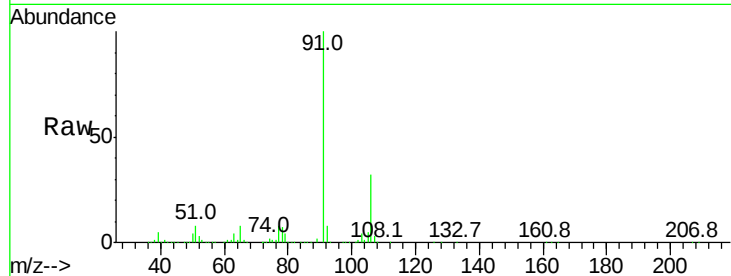




#53
Ethylbenzene
Concen: 25.767 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

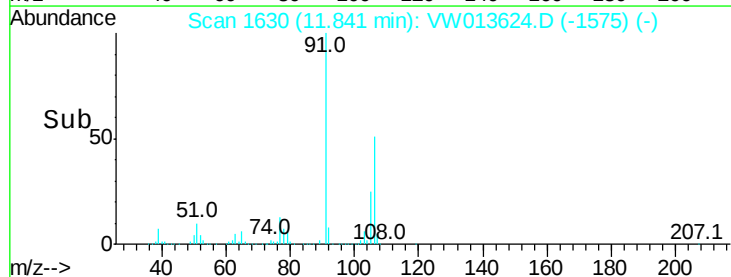
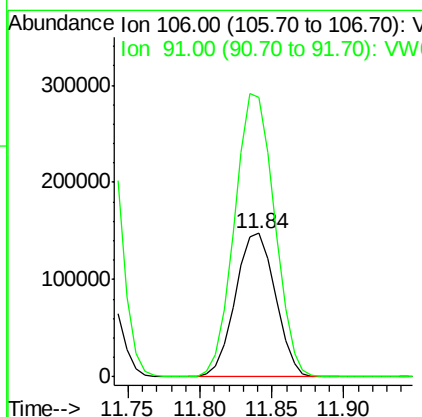
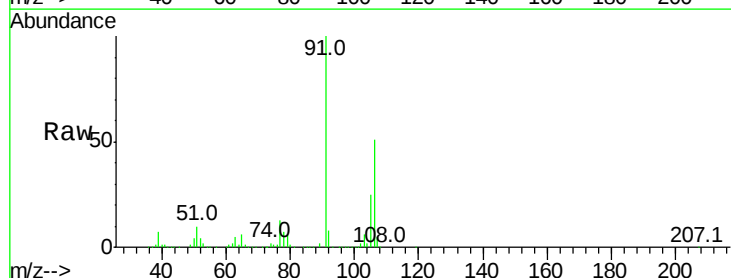
Instrument :
MSVOA_W
ClientSampled :
VSTD02523

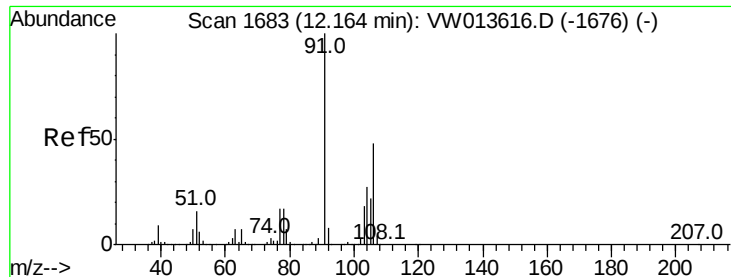
Tgt Ion: 91 Resp: 737321
Ion Ratio Lower Upper
91 100
106 31.7 22.3 41.3



#54
m,p-Xylene
Concen: 25.763 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 106 Resp: 284879
Ion Ratio Lower Upper
106 100
91 195.0 137.7 255.7

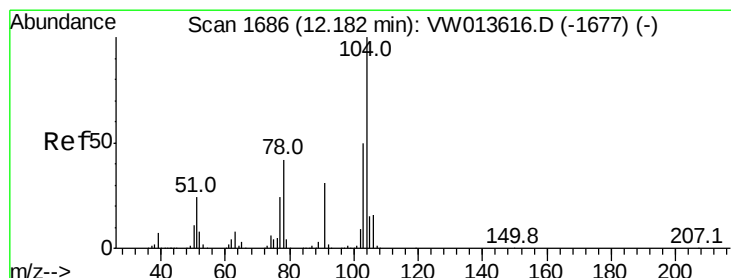
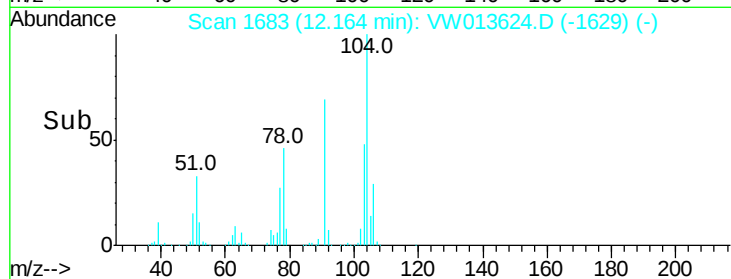
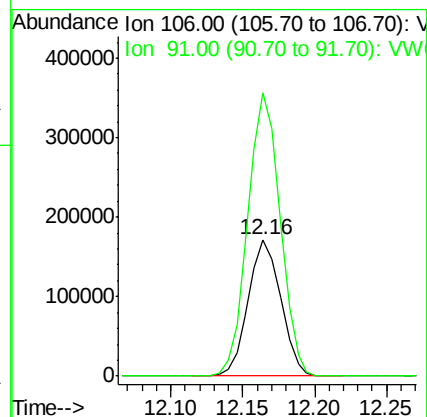
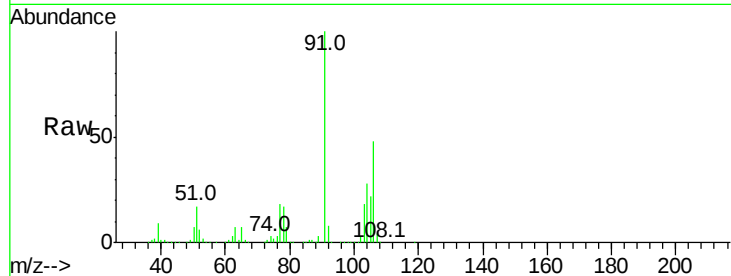




#55
o-xylene
Concen: 25.542 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

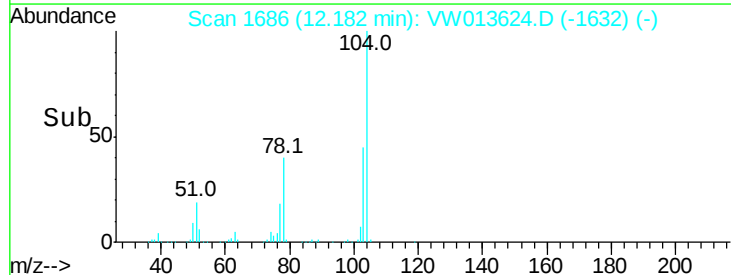
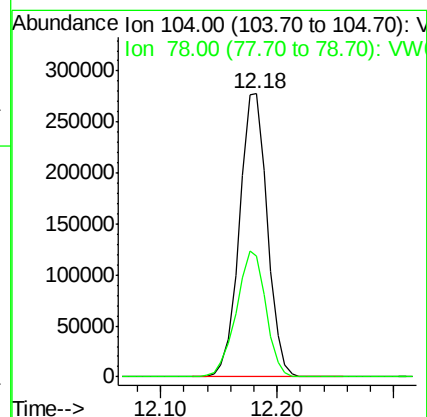
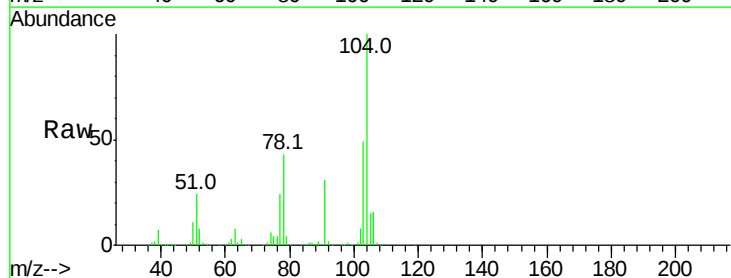
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

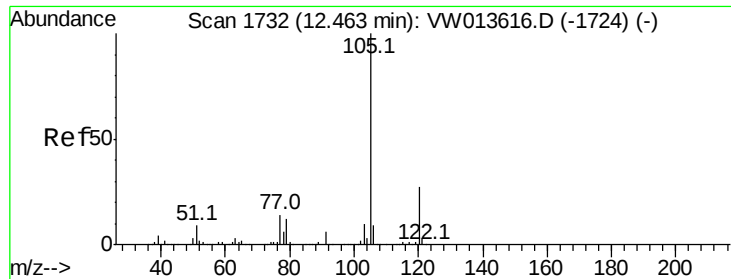
Tgt Ion:106 Resp: 268027
Ion Ratio Lower Upper
106 100
91 207.8 144.8 269.0



#56
Styrene
Concen: 25.803 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013624.D
Acq: 18 Oct 2019 17:58

Tgt Ion:104 Resp: 463188
Ion Ratio Lower Upper
104 100
78 42.8 29.3 54.5





#57

Isopropylbenzene

Concen: 25.995 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

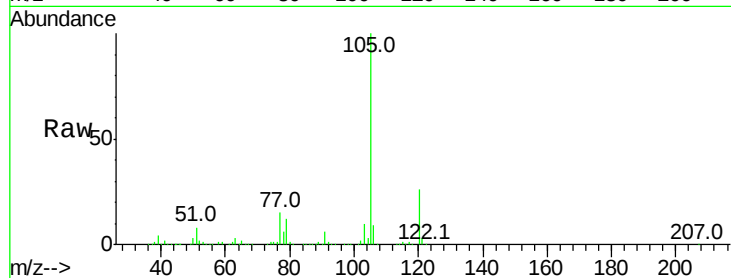
Tgt Ion:105 Resp: 731684

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

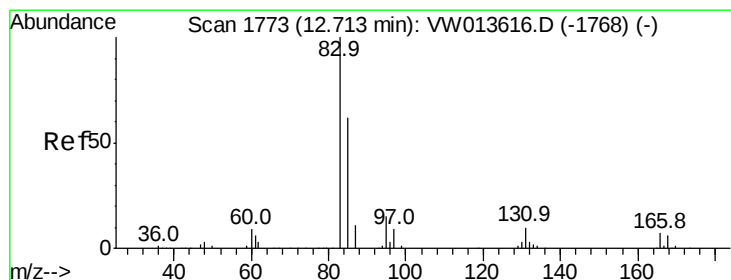
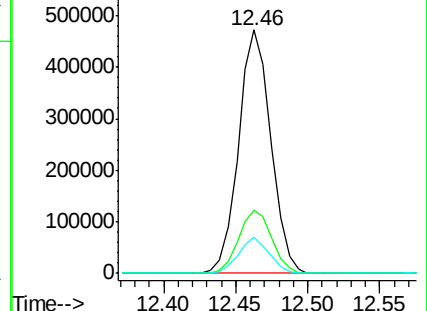
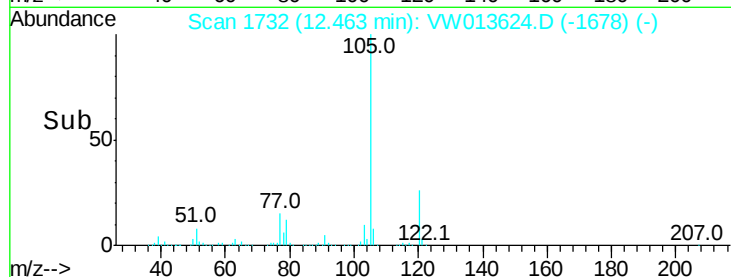
77 14.4 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.193 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

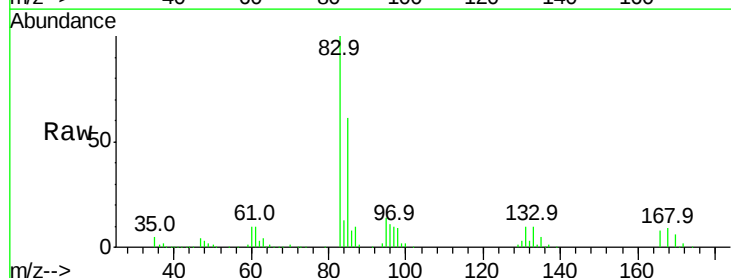
Tgt Ion: 83 Resp: 134225

Ion Ratio Lower Upper

83 100

85 61.5 44.9 83.3

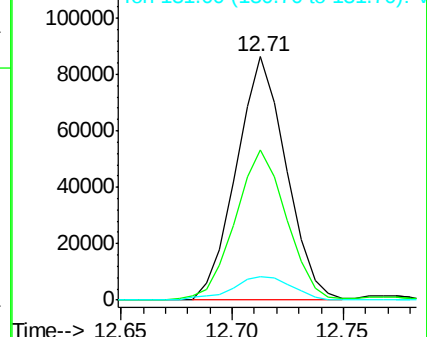
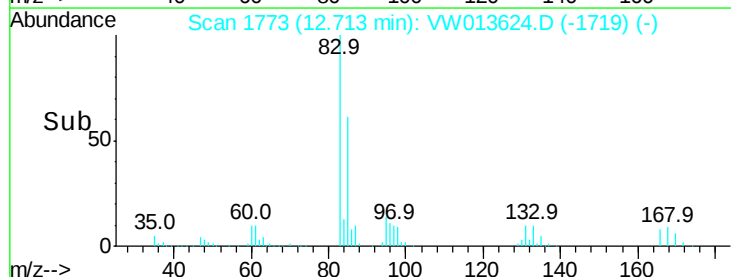
131 9.8 8.6 13.0

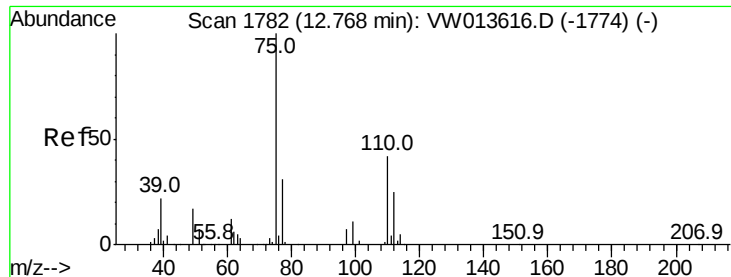


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

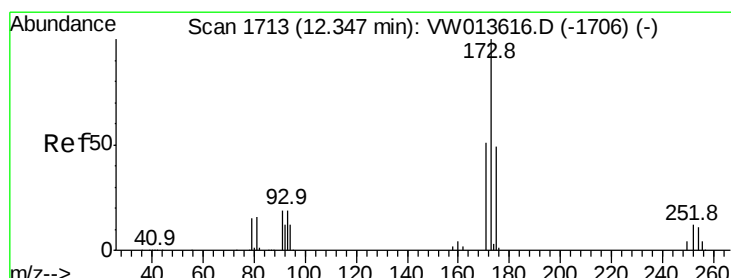
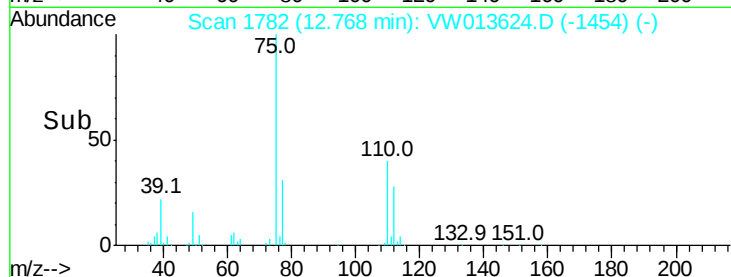
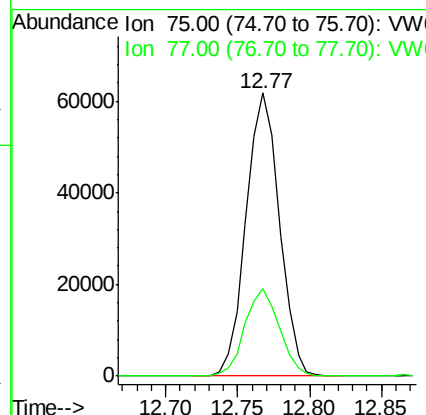
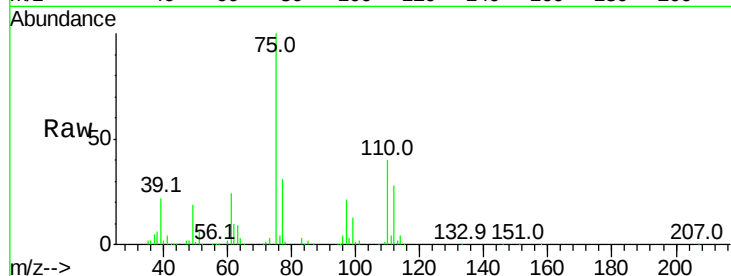




#59
 1,2,3-Trichloropropane
 Concen: 24.983 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

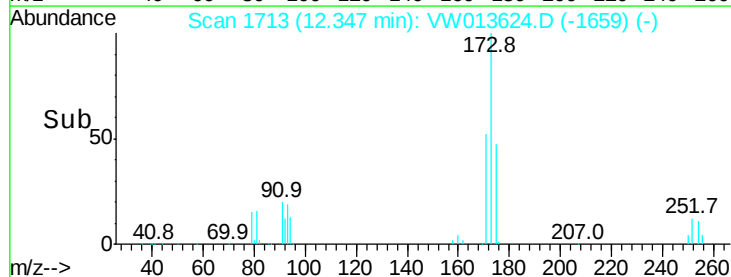
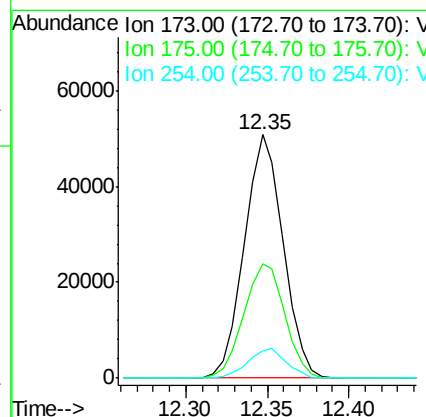
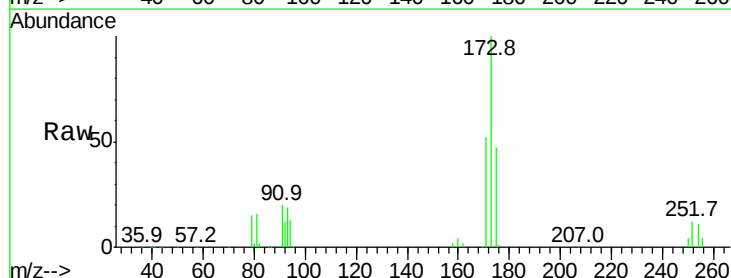
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

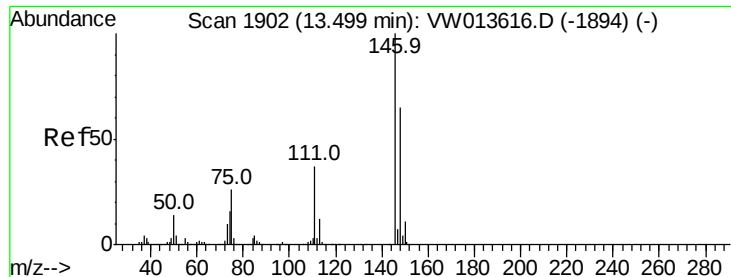
Tgt Ion: 75 Resp: 99259
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.4 39.6



#62
 Bromoform
 Concen: 24.915 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

Tgt Ion: 173 Resp: 84399
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.1 58.7
 254 12.0 9.6 14.4

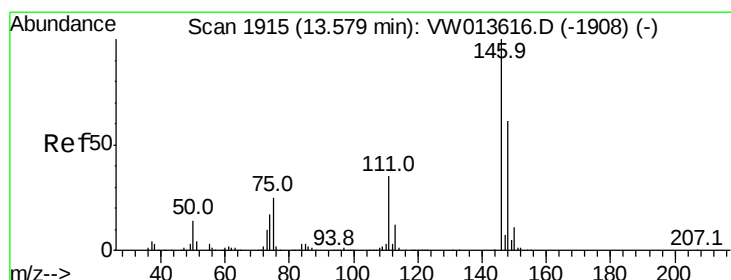
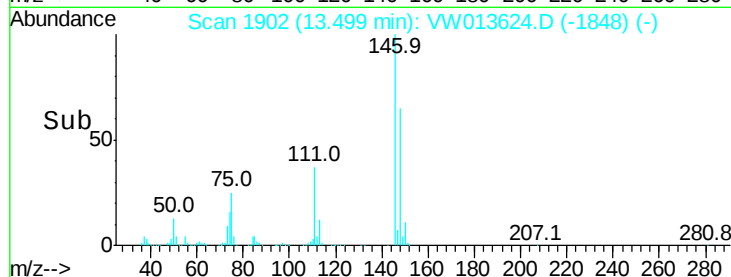
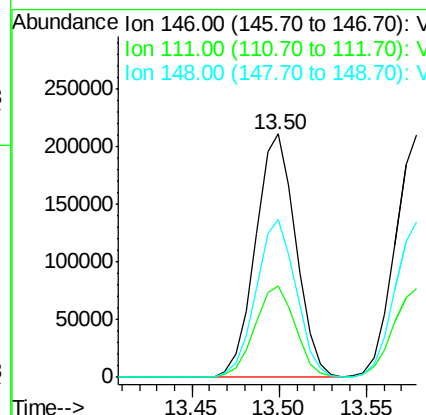
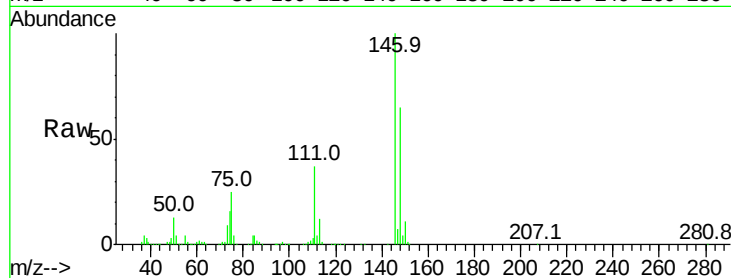




#63
 1,3-Dichlorobenzene
 Concen: 25.169 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

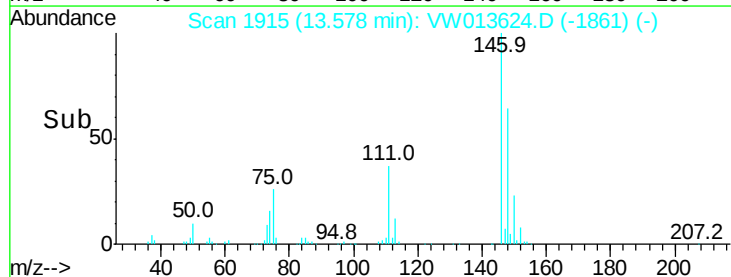
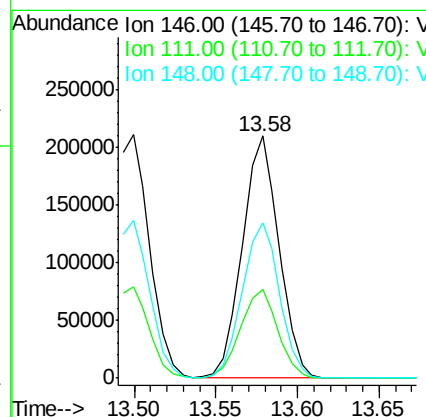
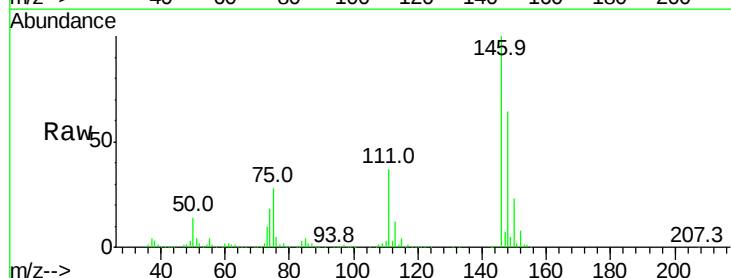
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

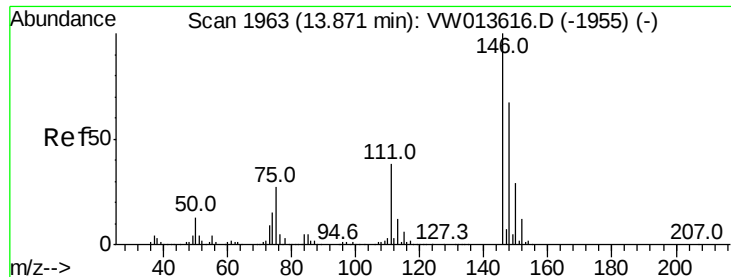
Tgt Ion:146 Resp: 337563
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.1 48.5
 148 64.6 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 24.420 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

Tgt Ion:146 Resp: 329123
 Ion Ratio Lower Upper
 146 100
 111 36.8 24.8 46.0
 148 64.4 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 24.675 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

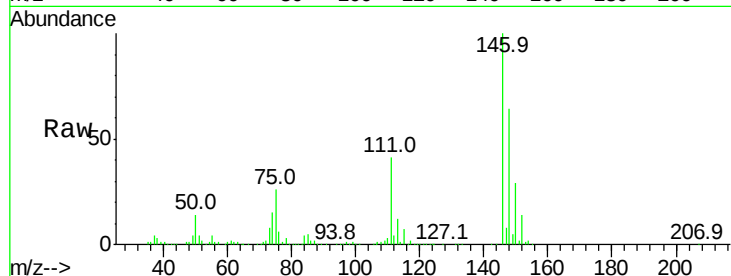
Tgt Ion:146 Resp: 299852

Ion Ratio Lower Upper

146 100

111 40.6 30.7 46.1

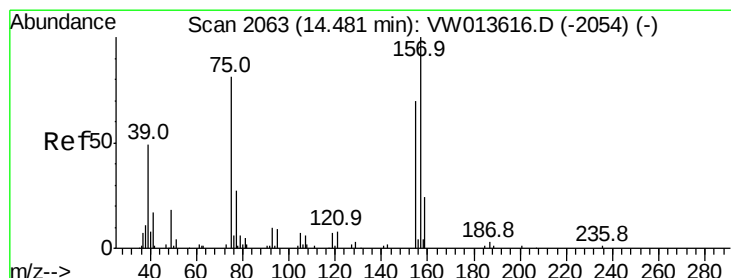
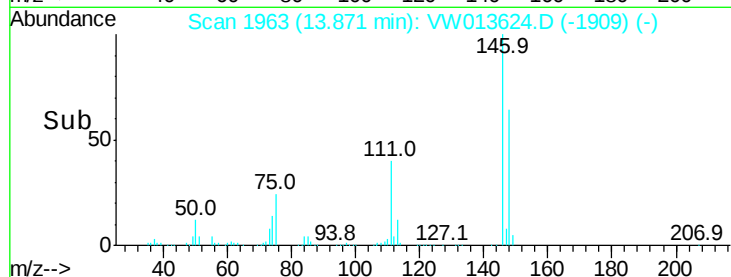
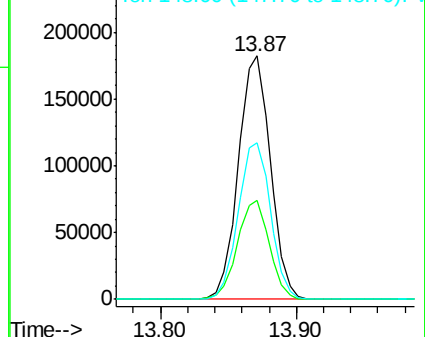
148 64.3 53.3 79.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.209 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

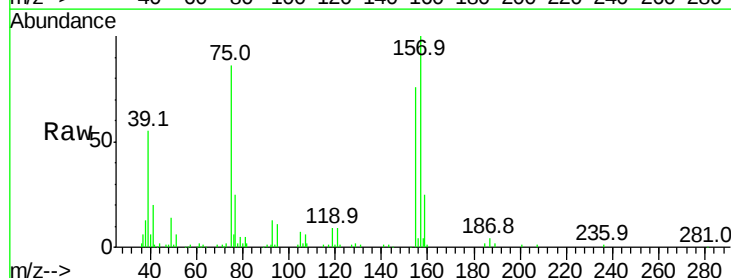
Tgt Ion: 75 Resp: 21056

Ion Ratio Lower Upper

75 100

157 116.1 99.4 149.0

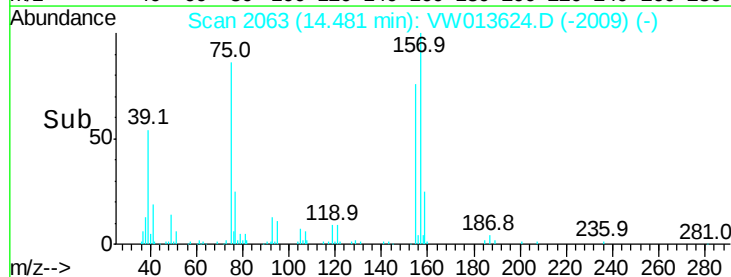
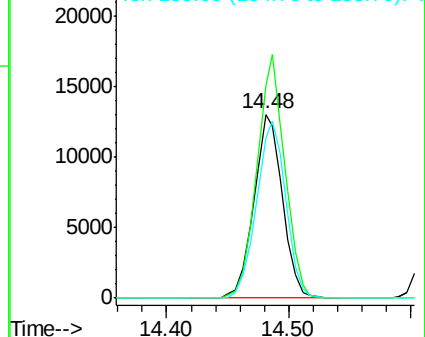
155 87.8 69.7 104.5

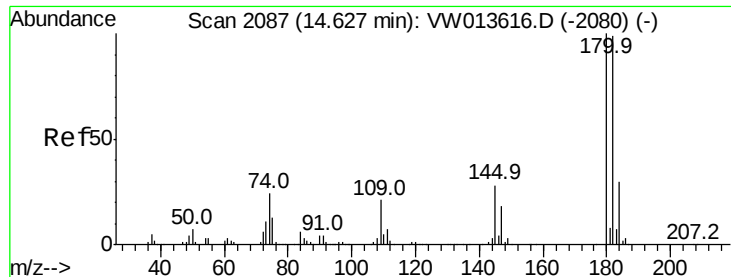


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

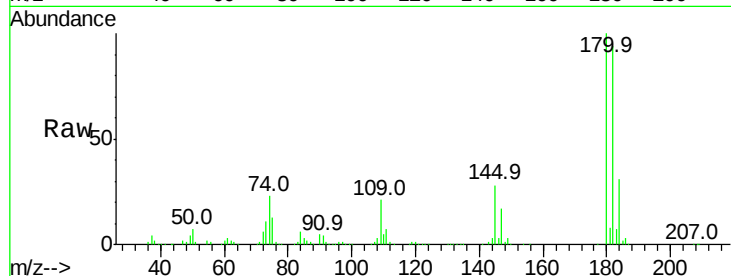




#67
 1,3,5-Trichlorobenzene
 Concen: 25.159 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	250858		
182	94.7	76.2	114.4	
184	30.5	24.1	36.1	
145	27.8	21.8	32.8	

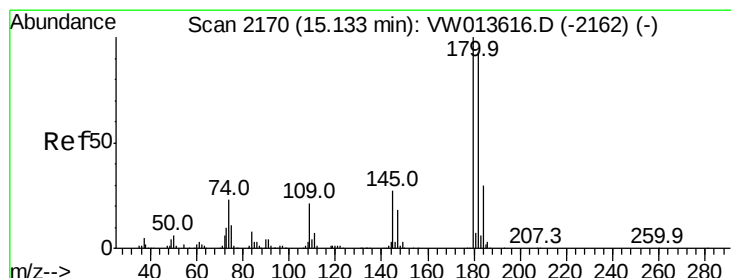
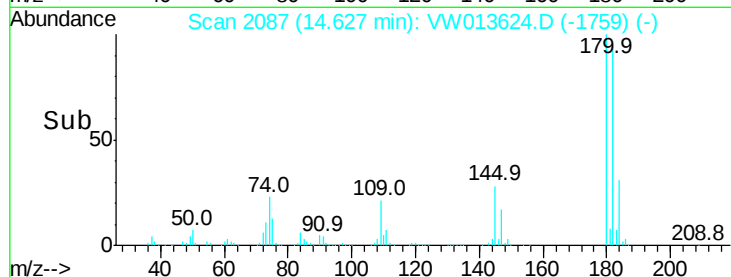
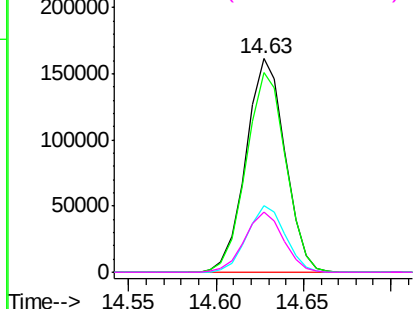


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

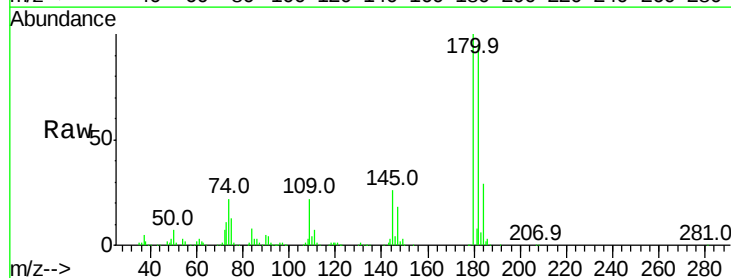
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.984 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013624.D
 Acq: 18 Oct 2019 17:58

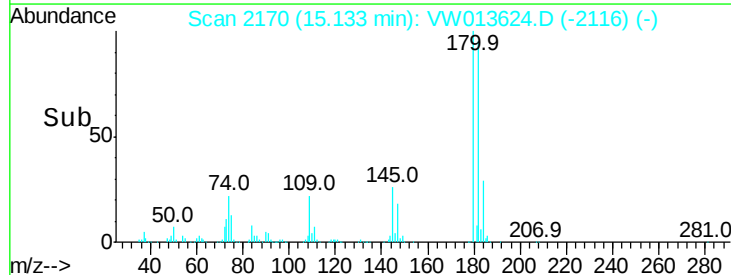
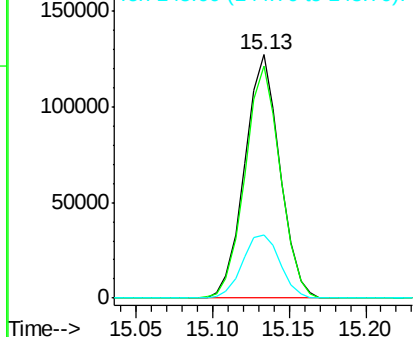
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	203023		
182	95.6	75.8	113.8	
145	27.9	22.6	34.0	

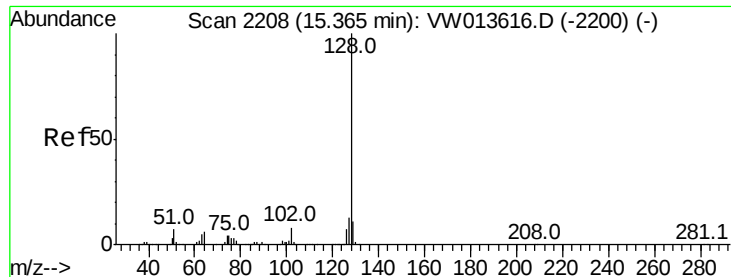


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.411 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

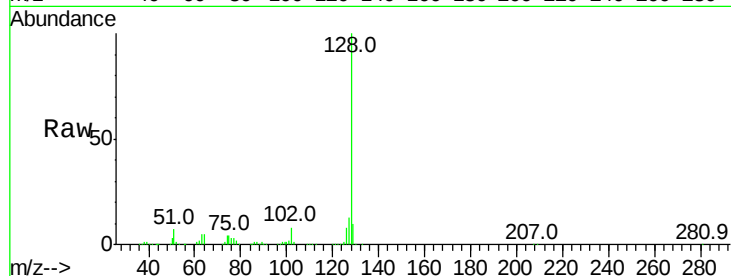
Tgt Ion:128 Resp: 389766

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

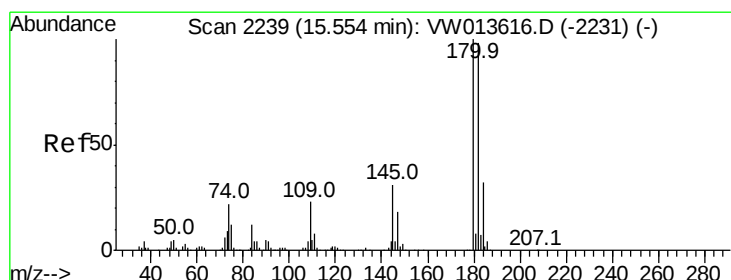
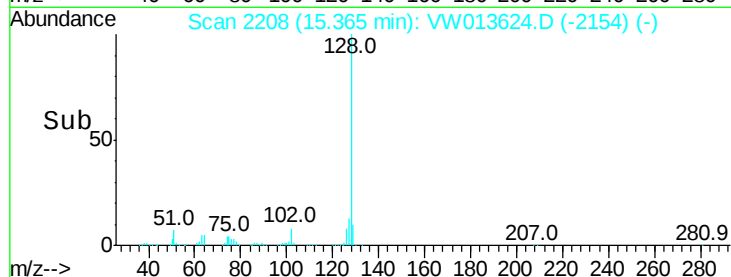
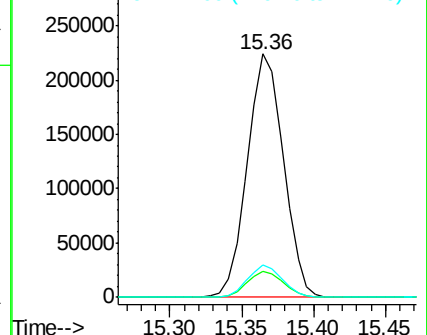
127 12.9 10.5 15.7



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: 24.243 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013624.D

Acq: 18 Oct 2019 17:58

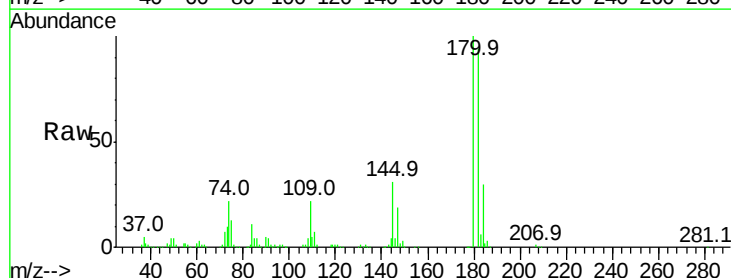
Tgt Ion:180 Resp: 183772

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.4

145 29.5 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

