

Data File : VW013619.D
Acq On : 18 Oct 2019 12:34
Operator : SY/VA
Sample : VSTD00526
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Oct 18 12:59:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 11:37:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331099	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324799	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189022	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	21898	5.78	ug/L	0.00
7) Chloroethane-d5	2.89	69	20488	7.04	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	47784	6.08	ug/L	0.00
20) 2-Butanone-d5	7.09	46	13706	12.01	ug/L	0.00
24) Chloroform-d	7.65	84	49365	6.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	26066	7.00	ug/L	0.00
29) Benzene-d6	8.27	84	106365	6.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30977	6.00	ug/L	0.00
37) Toluene-d8	10.32	98	97536	5.91	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13022	5.66	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	10975	10.63	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	25104	6.07	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	36075	5.31	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	17710	9.816 ug/L	94
3) Chloromethane	2.21	50	19205	6.058 ug/L	100
5) Vinyl chloride	2.37	62	23645	5.272 ug/L	95
6) Bromomethane	2.78	94	18087	6.584 ug/L	100
8) Chloroethane	2.93	64	16677	6.629 ug/L	91
9) Trichlorofluoromethane	3.26	101	16050	6.865 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	26471	6.379 ug/L	99
12) 1,1-Dichloroethene	4.04	96	25257	6.077 ug/L #	83
13) Acetone	4.12	43	18701	14.255 ug/L	98
14) Carbon disulfide	4.39	76	71176	5.612 ug/L	99
15) Methyl Acetate	4.67	43	13010	6.357 ug/L	97
16) Methylene chloride	4.92	84	33099	6.600 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	37709	5.646 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	28365	6.395 ug/L	91
19) 1,1-Dichloroethane	6.21	63	48776	6.550 ug/L	99
21) 2-Butanone	7.17	43	21856	13.618 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	30191	6.365 ug/L	93
23) Bromochloromethane	7.51	128	13822	6.507 ug/L	90
25) Chloroform	7.67	83	49094	6.683 ug/L	99
27) 1,2-Dichloroethane	8.40	62	31709	6.825 ug/L	98
30) Cyclohexane	7.96	56	44813	5.247 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	36816	5.628 ug/L	100
32) Carbon tetrachloride	8.07	117	35674	5.685 ug/L	99
34) Benzene	8.32	78	114471	5.834 ug/L	100
35) Trichloroethene	9.09	95	29811	5.824 ug/L	97
36) Methylcyclohexane	9.34	83	49193	5.285 ug/L	96
40) 1,2-Dichloropropane	9.37	63	28081	5.941 ug/L	99
41) Bromodichloromethane	9.64	83	33328	5.740 ug/L #	94
42) cis-1,3-Dichloropropene	10.07	75	42381	5.589 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	38698	11.733 ug/L	100

Data File : VW013619.D
Acq On : 18 Oct 2019 12:34
Operator : SY/VA
Sample : VSTD00526
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Oct 18 12:59:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 11:37:41 2019
Response via : Initial Calibration

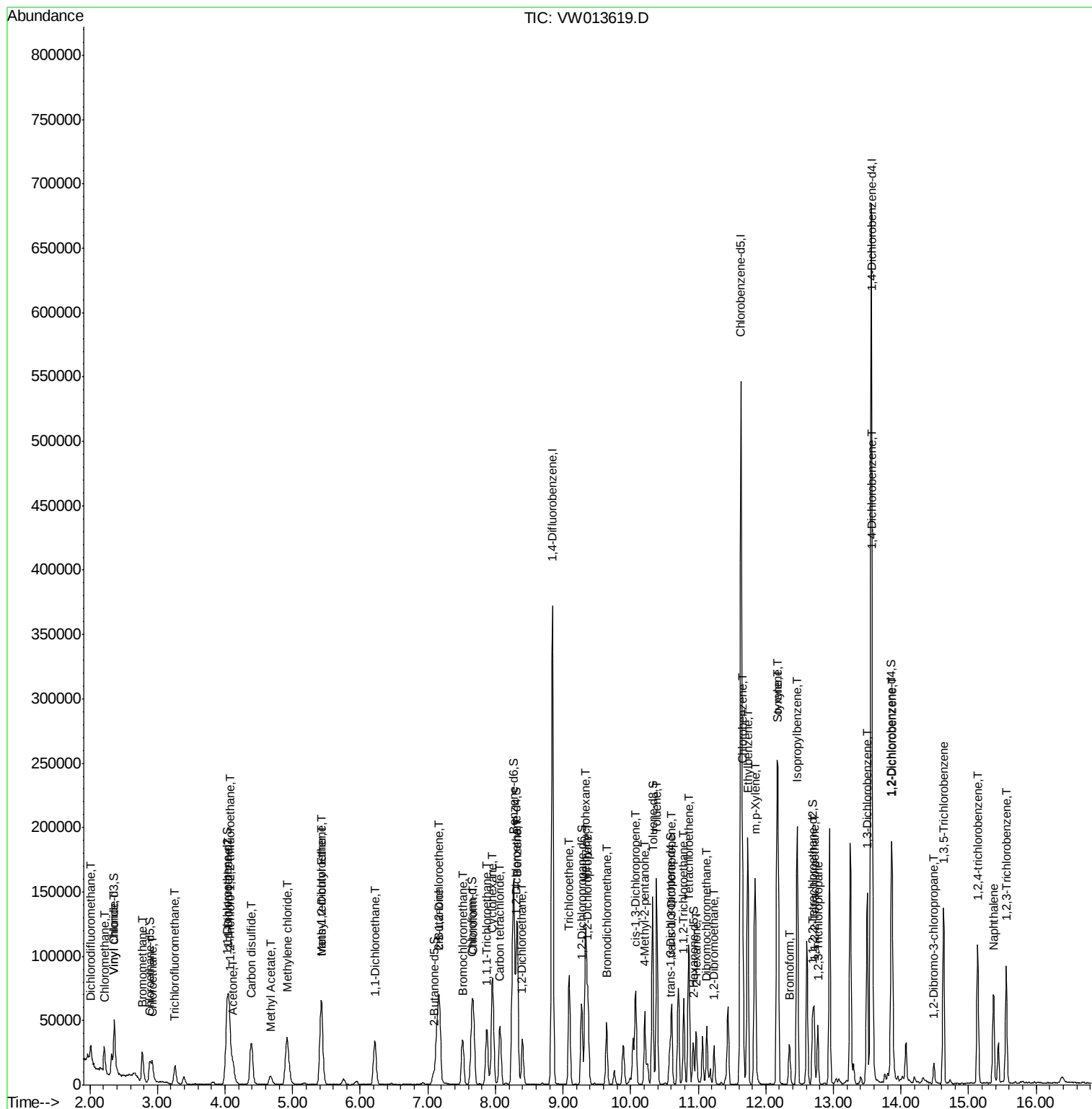
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	120614	5.672	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	34251	5.720	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	21649	6.033	ug/L	94
47) Tetrachloroethene	10.86	164	26554	5.692	ug/L	93
49) 2-Hexanone	10.97	43	25467	10.624	ug/L	98
50) Dibromochloromethane	11.13	129	24276	5.746	ug/L	92
51) 1,2-Dibromoethane	11.23	107	20843	5.913	ug/L	99
52) Chlorobenzene	11.66	112	79277	5.874	ug/L	99
53) Ethylbenzene	11.73	91	134626	5.719	ug/L	100
54) m,p-Xylene	11.84	106	51844	5.646	ug/L	95
55) o-xylene	12.16	106	48435	5.651	ug/L	97
56) Styrene	12.18	104	83124	5.694	ug/L	99
57) Isopropylbenzene	12.46	105	129576	5.573	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	25190	5.942	ug/L #	99
59) 1,2,3-Trichloropropane	12.77	75	18986	5.998	ug/L	100
62) Bromoform	12.35	173	15795	5.195	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	63076	4.980	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	65040	5.158	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	57154	5.018	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	3794	4.826	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.63	180	45623	4.772	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	37353	4.714	ug/L	98
69) Naphthalene	15.37	128	64569	4.474	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	34161	4.842	ug/L	98

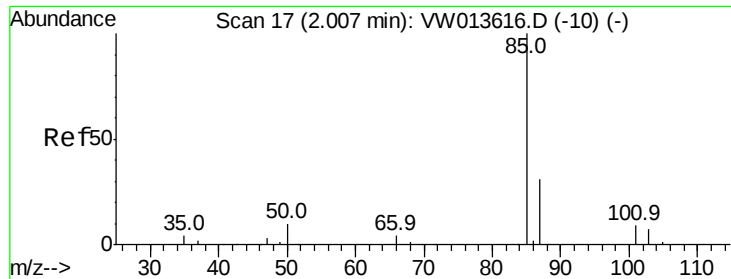
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013619.D
Acq On : 18 Oct 2019 12:34
Operator : SY/VA
Sample : VSTD00526
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD00504

Quant Time: Oct 18 12:59:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 11:37:41 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.816 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

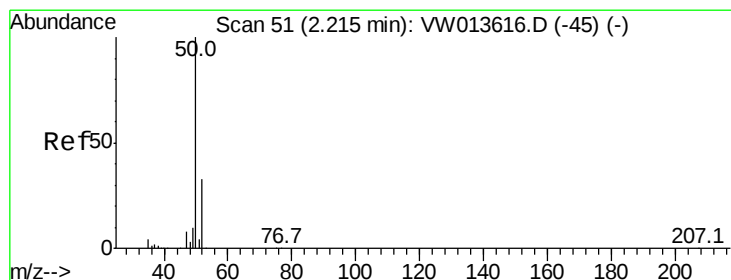
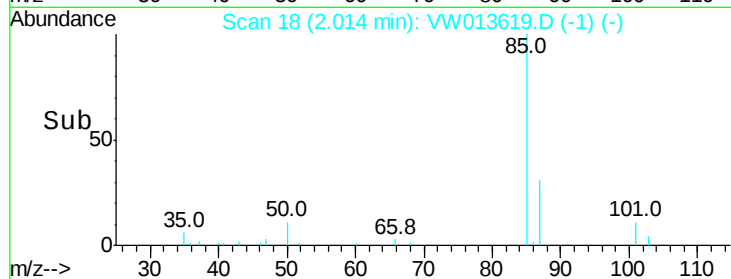
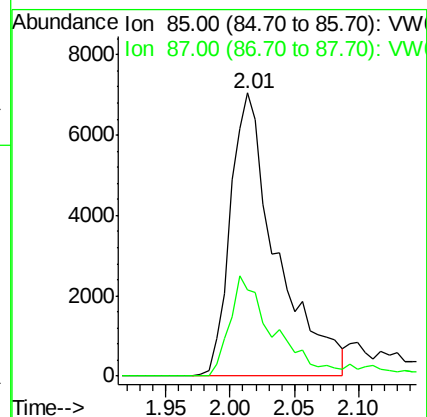
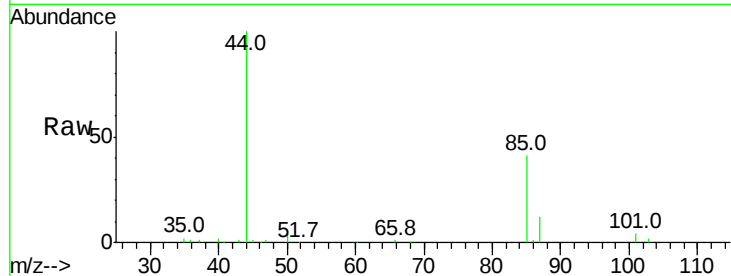
VSTD00504

Tgt Ion: 85 Resp: 17710

Ion Ratio Lower Upper

85 100

87 32.0 20.2 37.4



#3

Chloromethane

Concen: 6.058 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013619.D

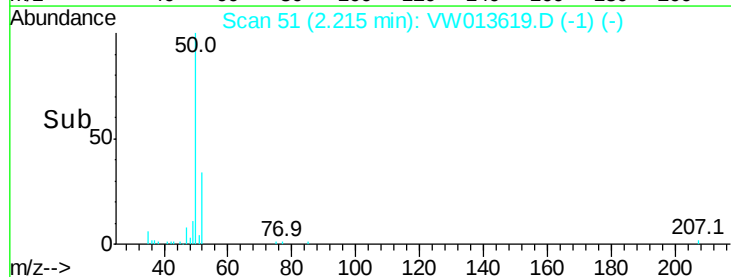
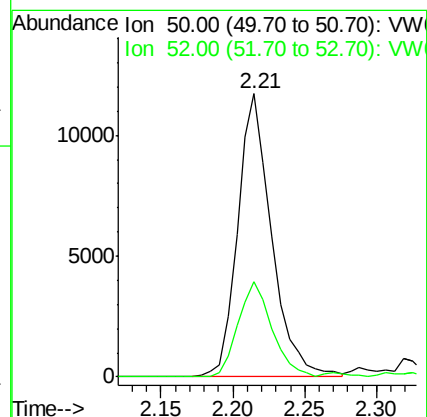
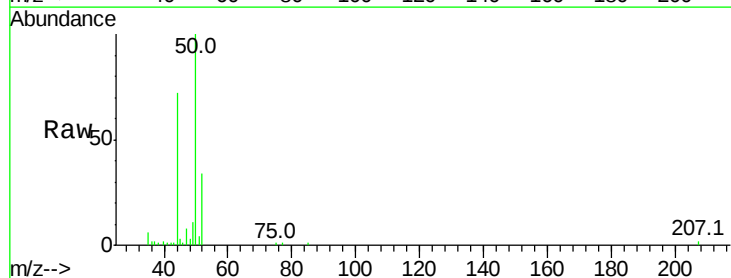
Acq: 18 Oct 2019 12:34

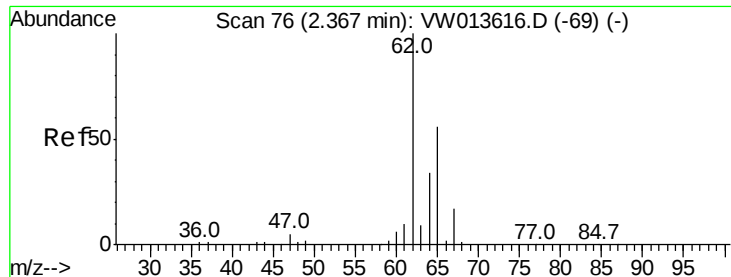
Tgt Ion: 50 Resp: 19205

Ion Ratio Lower Upper

50 100

52 33.6 23.3 43.3





#5

Vinyl chloride

Concen: 5.272 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

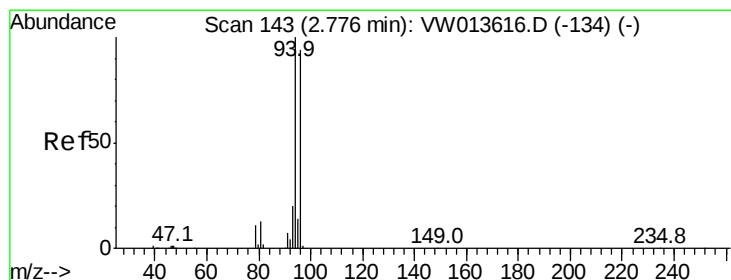
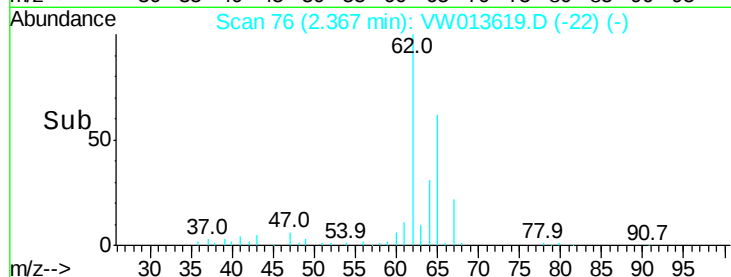
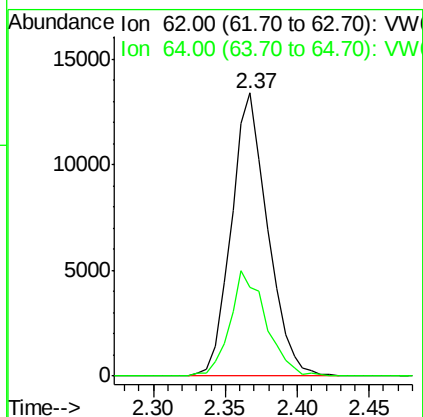
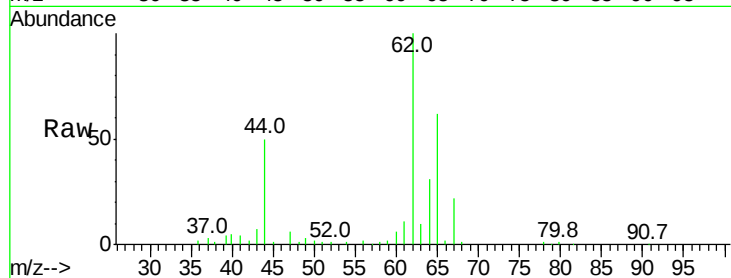
VSTD00504

Tgt Ion: 62 Resp: 23645

Ion Ratio Lower Upper

62 100

64 31.5 23.9 44.5



#6

Bromomethane

Concen: 6.584 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013619.D

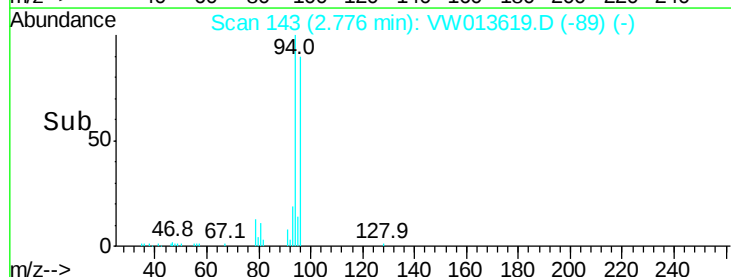
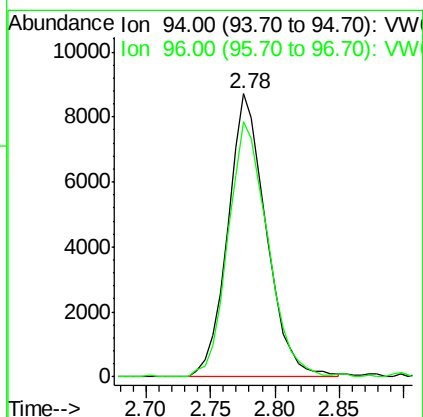
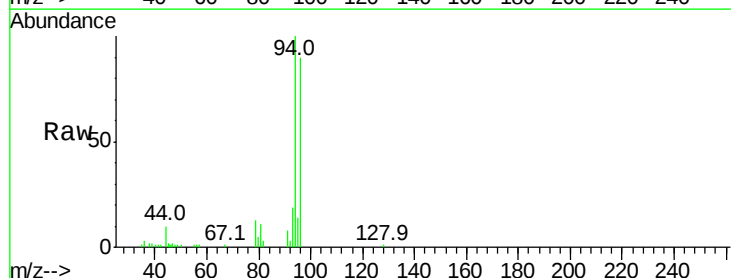
Acq: 18 Oct 2019 12:34

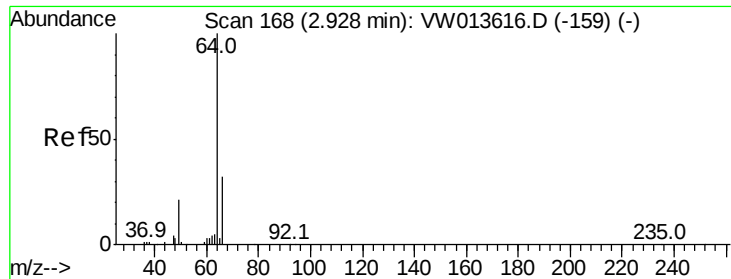
Tgt Ion: 94 Resp: 18087

Ion Ratio Lower Upper

94 100

96 92.8 9.3 176.9





#8

Chloroethane

Concen: 6.629 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

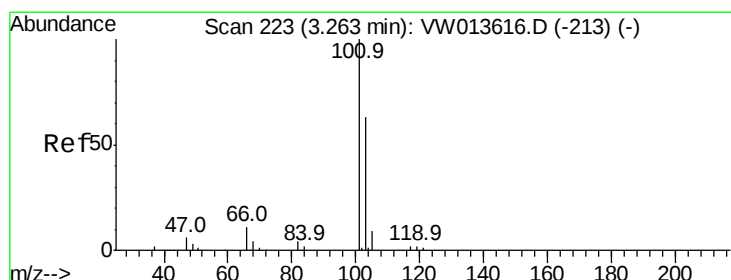
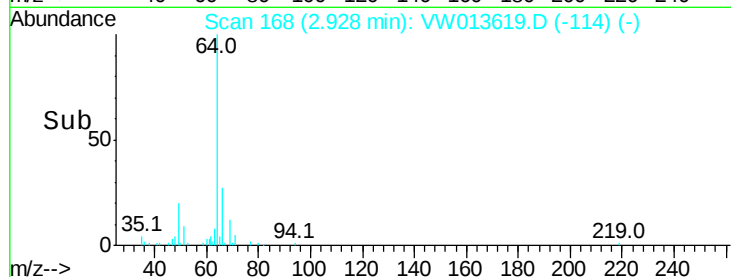
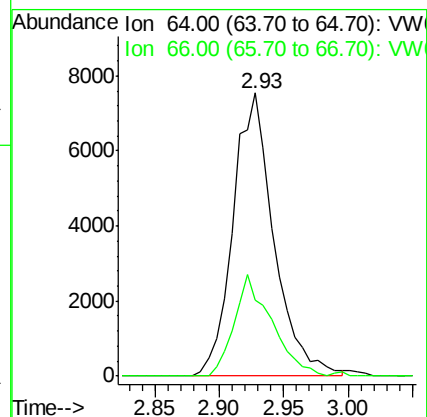
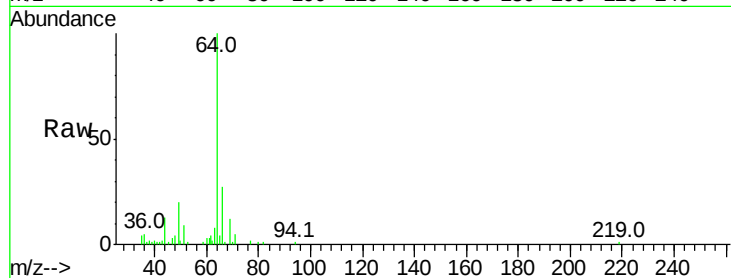
VSTD00504

Tgt Ion: 64 Resp: 16677

Ion Ratio Lower Upper

64 100

66 26.7 22.2 41.2



#9

Trichlorofluoromethane

Concen: 6.865 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW013619.D

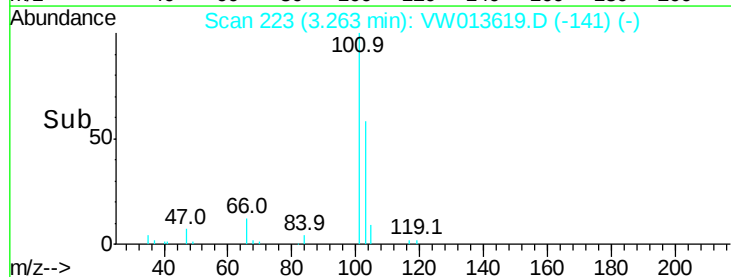
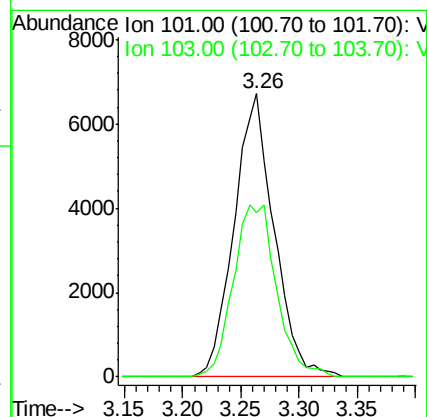
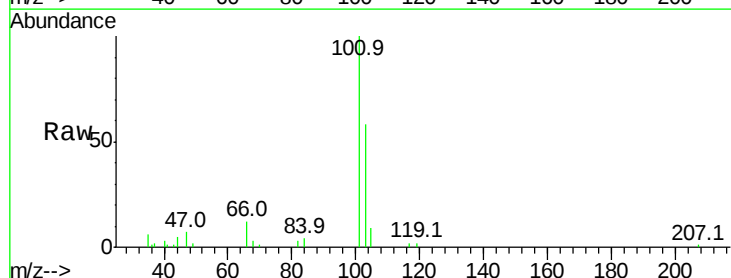
Acq: 18 Oct 2019 12:34

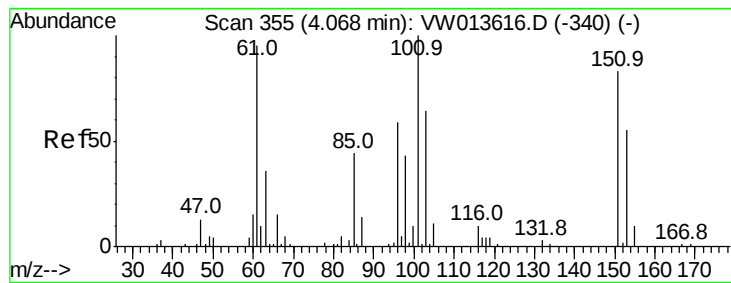
Tgt Ion: 101 Resp: 16050

Ion Ratio Lower Upper

101 100

103 65.1 46.5 86.5





#11

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

Concen: 6.379 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

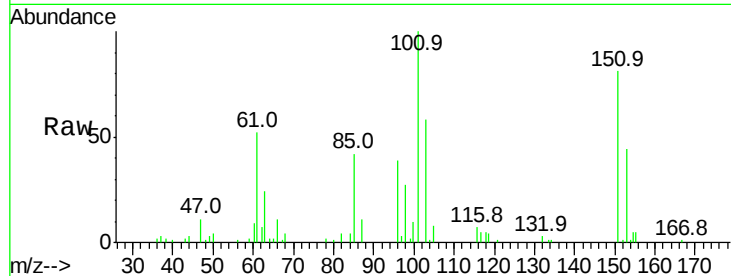
Tgt Ion:101 Resp: 26471

Ion Ratio Lower Upper

101 100

85 38.2 32.0 48.0

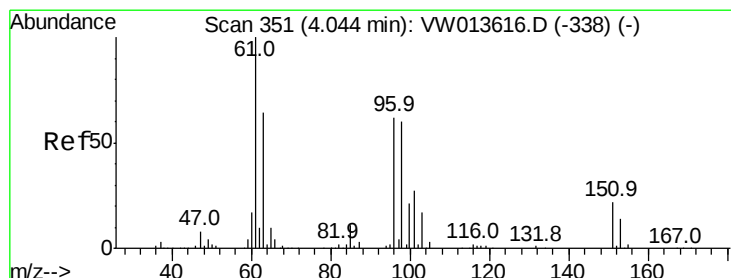
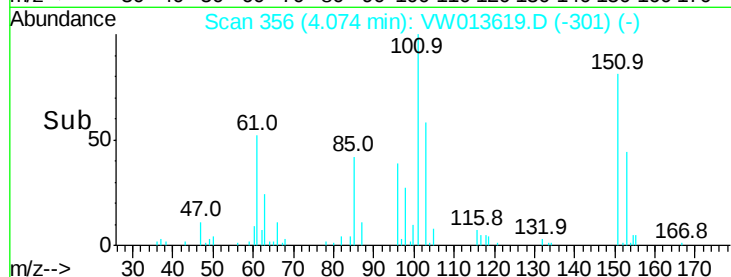
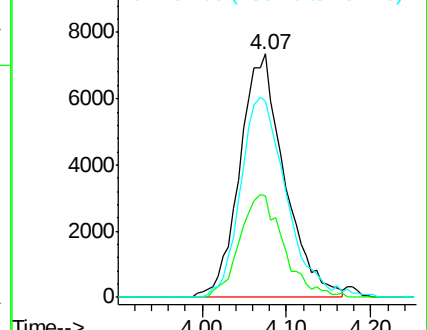
151 83.3 66.9 100.3



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: 6.077 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

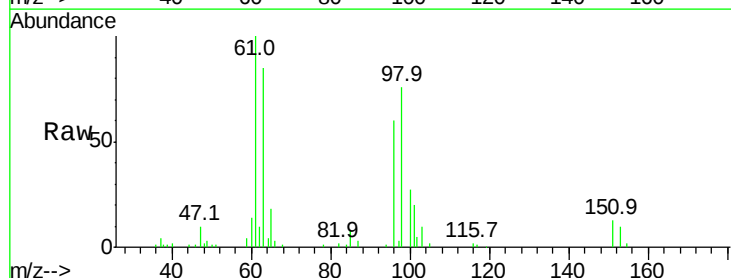
Tgt Ion: 96 Resp: 25257

Ion Ratio Lower Upper

96 100

61 166.9 112.7 209.3

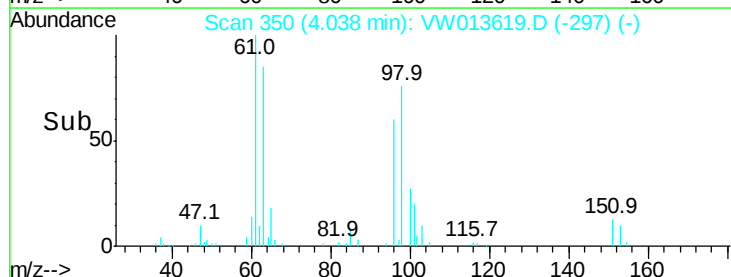
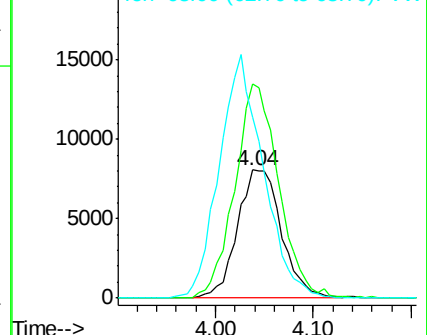
63 141.1 72.8 135.2#

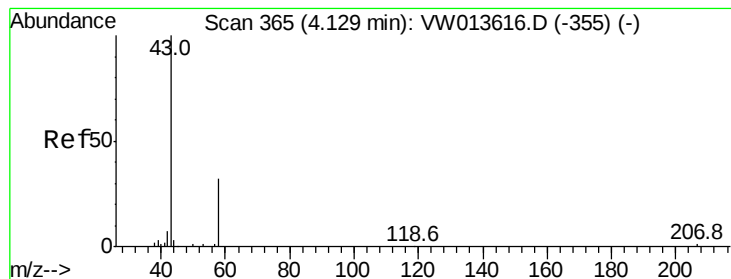


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 14.255 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

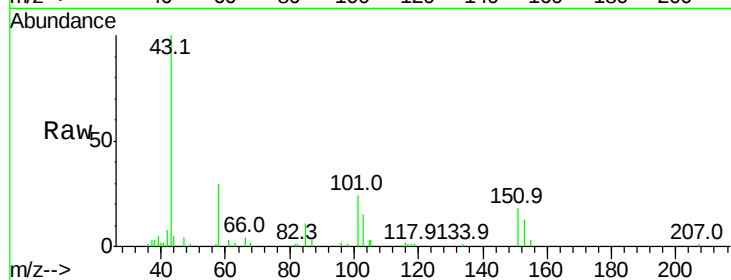
VSTD00504

Tgt Ion: 43 Resp: 18701

Ion Ratio Lower Upper

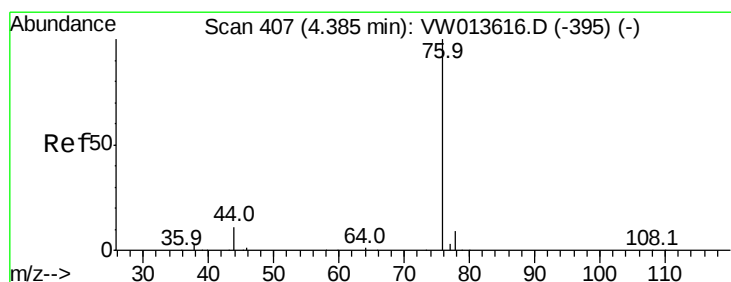
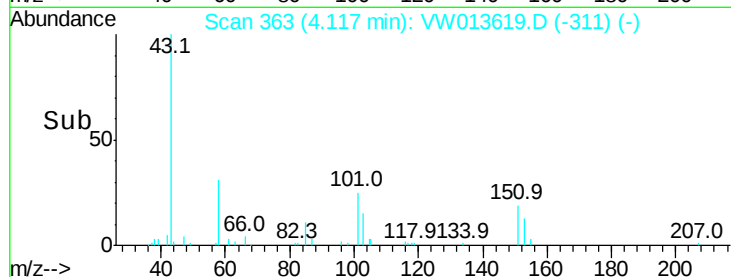
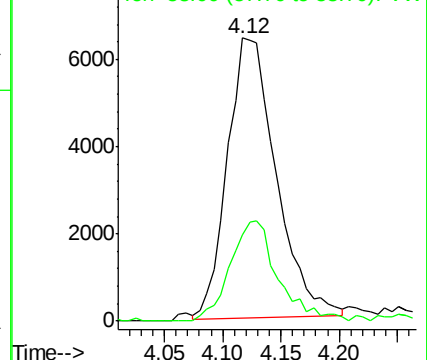
43 100

58 34.1 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.612 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013619.D

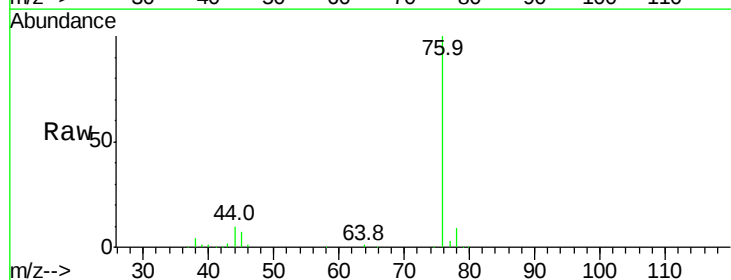
Acq: 18 Oct 2019 12:34

Tgt Ion: 76 Resp: 71176

Ion Ratio Lower Upper

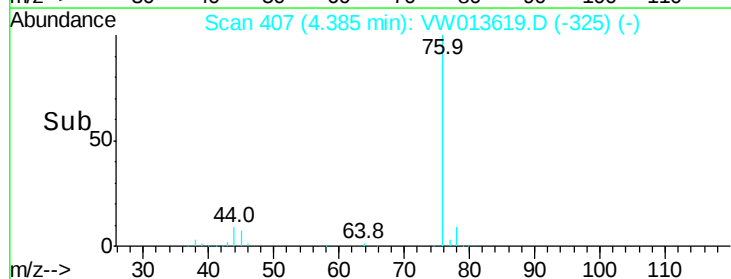
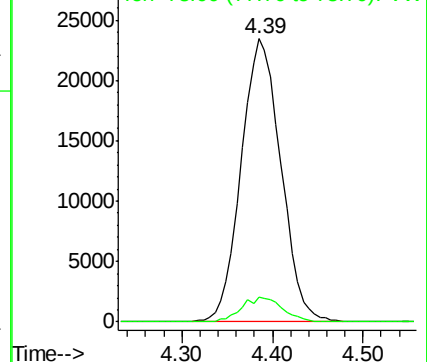
76 100

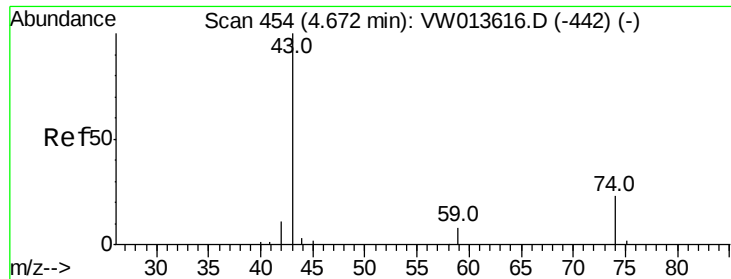
78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 6.357 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

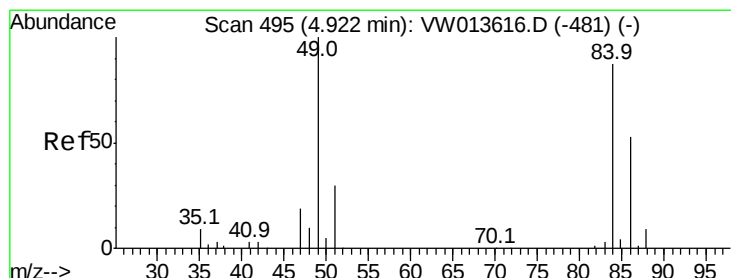
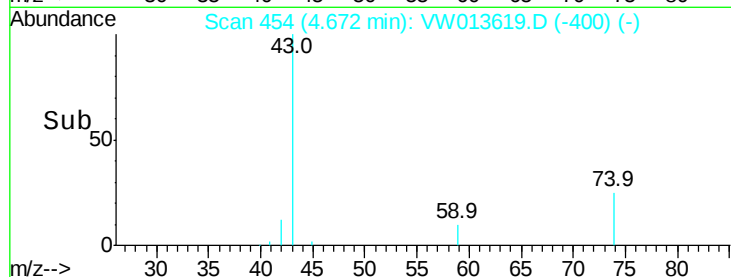
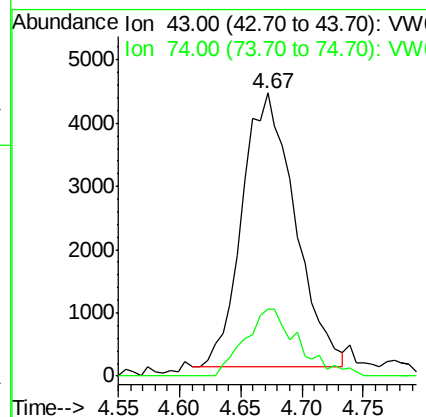
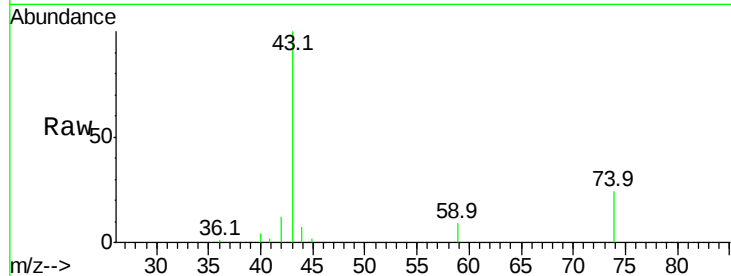
VSTD00504

Tgt Ion: 43 Resp: 13010

Ion Ratio Lower Upper

43 100

74 22.3 19.2 28.8



#16

Methylene chloride

Concen: 6.600 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

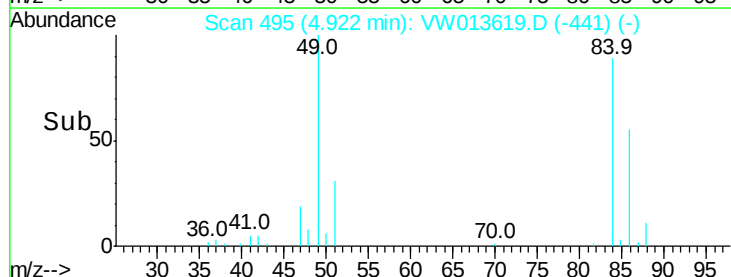
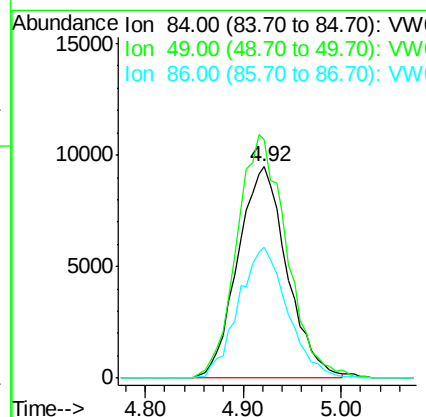
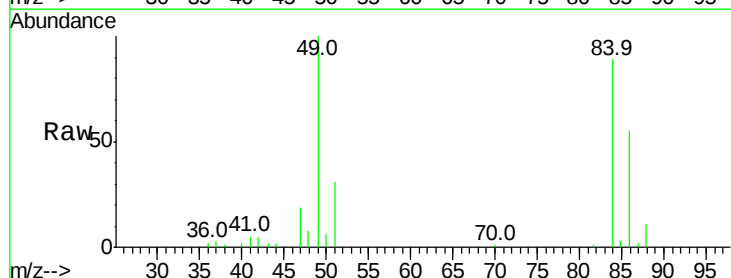
Tgt Ion: 84 Resp: 33099

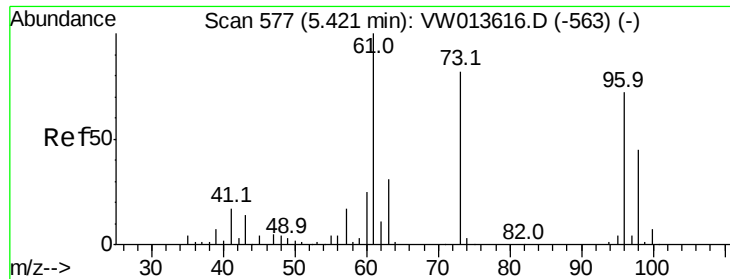
Ion Ratio Lower Upper

84 100

49 112.6 80.2 148.9

86 61.8 42.7 79.3

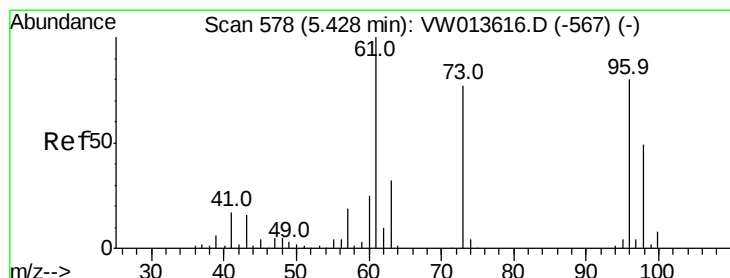
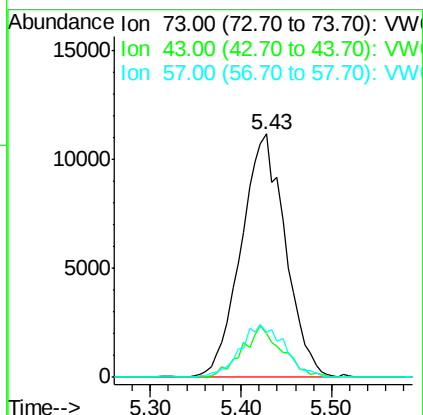
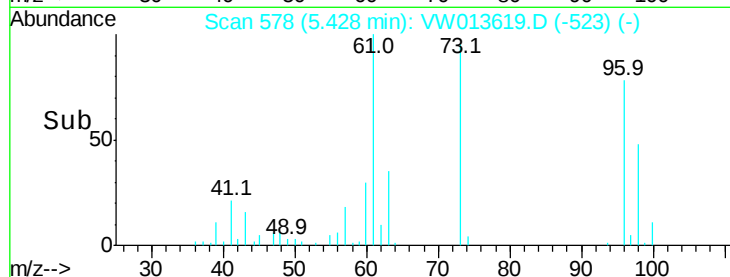
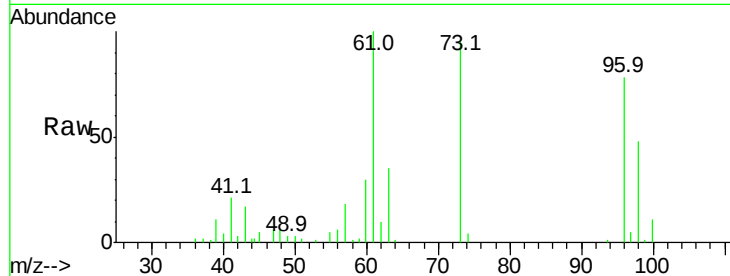




#17
Methyl tert-butyl Ether
Concen: 5.646 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

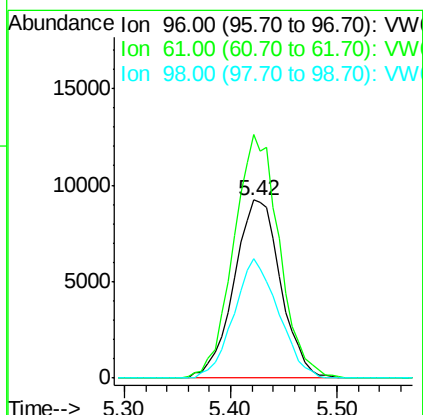
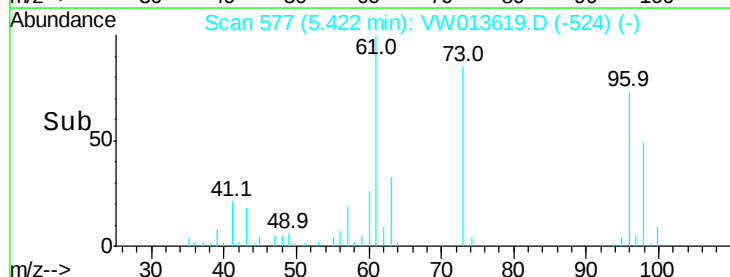
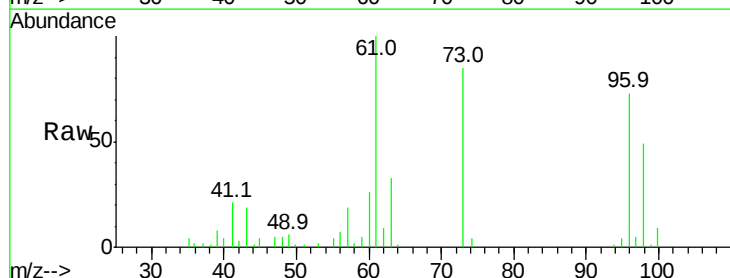
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

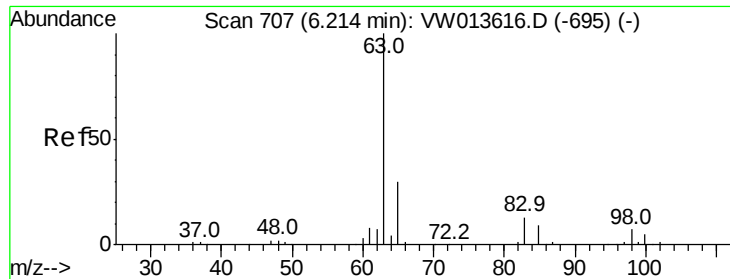
Tgt Ion: 73 Resp: 37709
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.2
57 21.3 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 6.395 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

Tgt Ion: 96 Resp: 28365
Ion Ratio Lower Upper
96 100
61 137.0 88.4 164.2
98 66.9 43.0 79.8

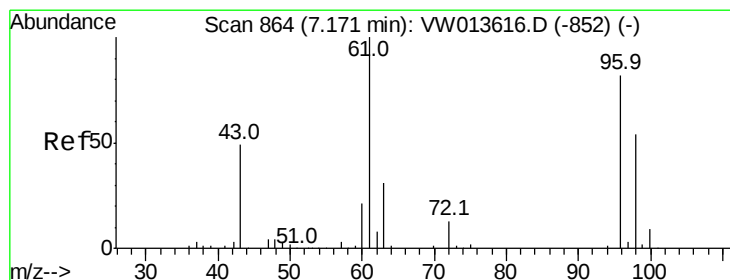
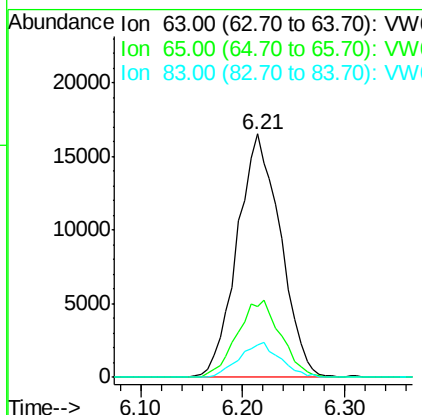
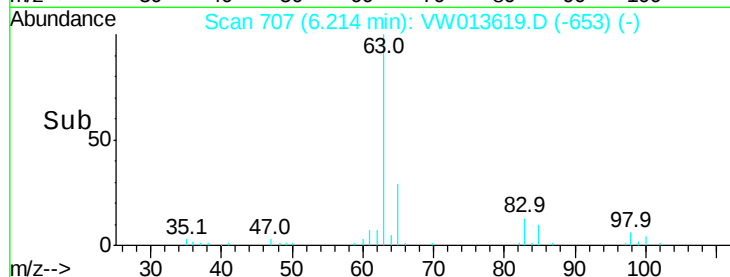
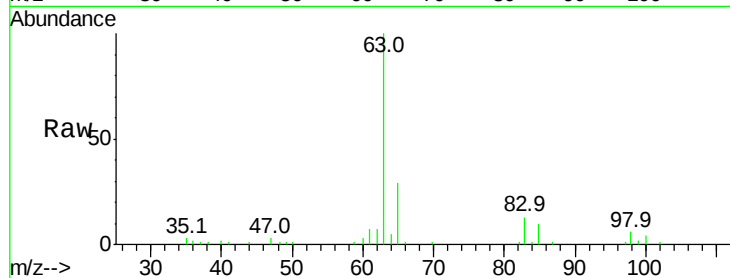




#19
 1,1-Dichloroethane
 Concen: 6.550 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

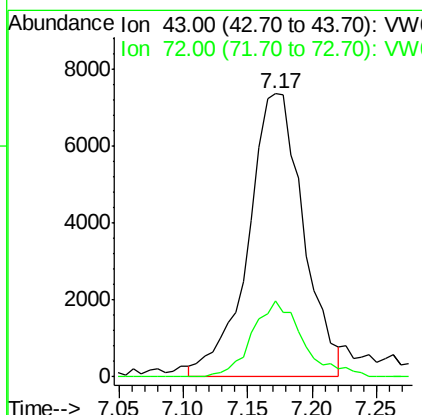
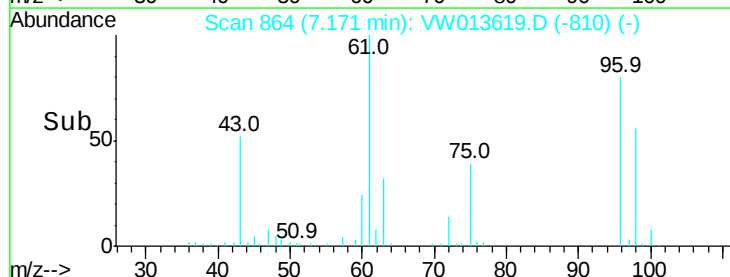
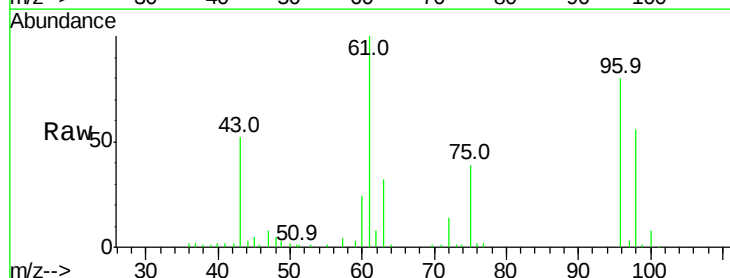
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

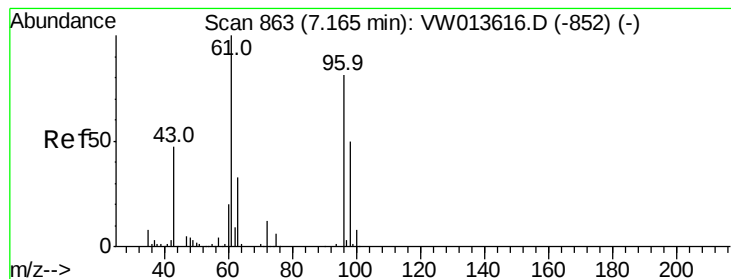
Tgt Ion:	63	Resp:	48776
Ion	Ratio	Lower	Upper
63	100		
65	29.2	20.9	38.7
83	13.4	9.2	17.2



#21
 2-Butanone
 Concen: 13.618 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Tgt Ion:	43	Resp:	21856
Ion	Ratio	Lower	Upper
43	100		
72	24.7	13.7	41.1



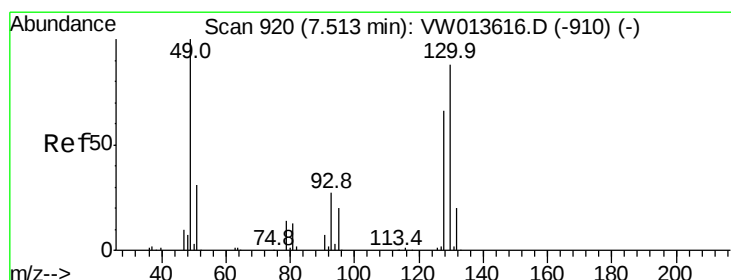
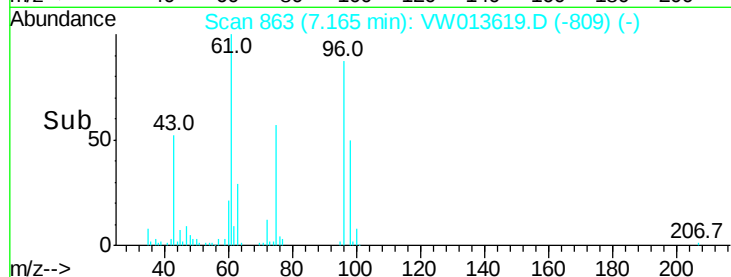
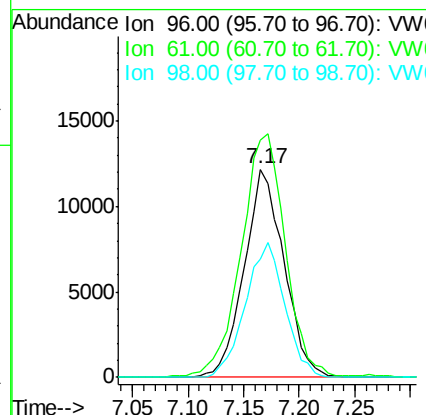
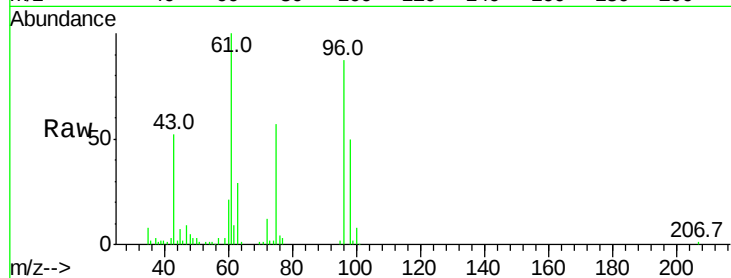


#22

cis-1,2-Dichloroethene
Concen: 6.365 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

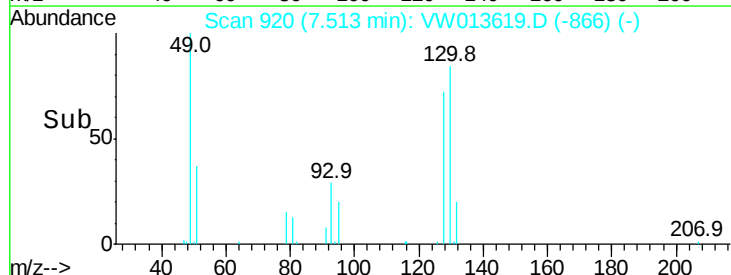
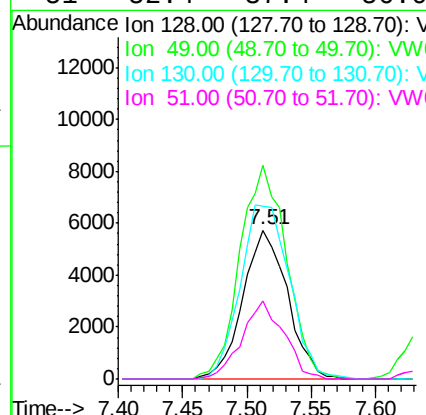
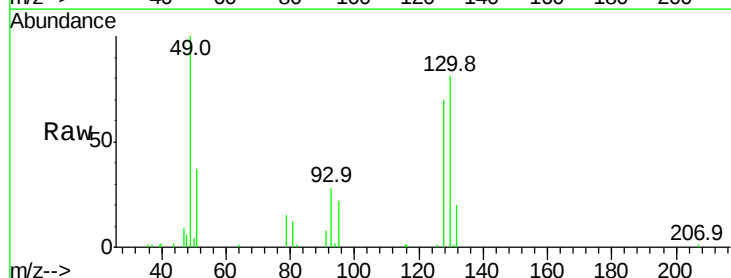
Tgt Ion: 96 Resp: 30191
Ion Ratio Lower Upper
96 100
61 114.3 86.2 160.0
98 57.0 43.0 79.8

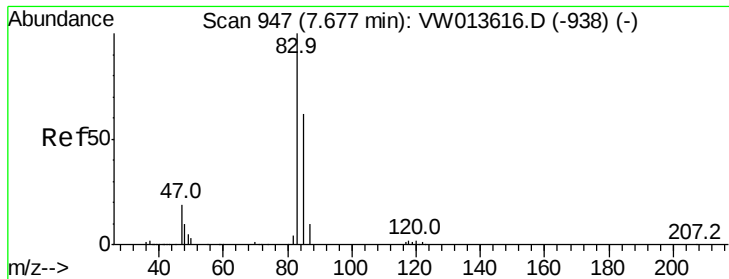


#23

Bromochloromethane
Concen: 6.507 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

Tgt Ion: 128 Resp: 13822
Ion Ratio Lower Upper
128 100
49 143.5 106.3 197.3
130 116.2 93.2 173.2
51 52.4 37.4 56.0





#25

Chloroform

Concen: 6.683 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

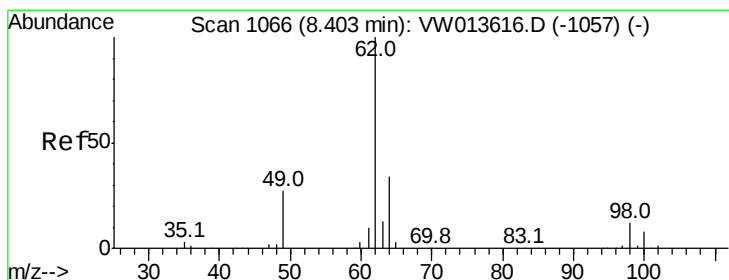
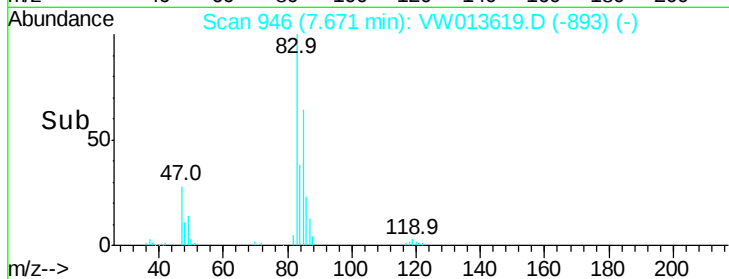
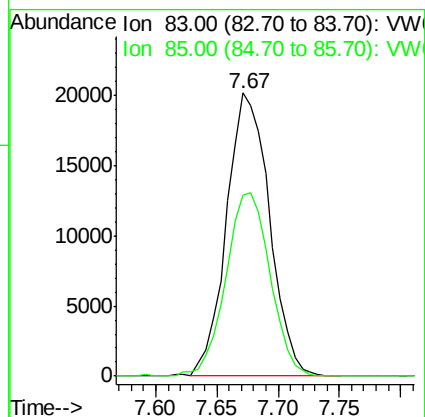
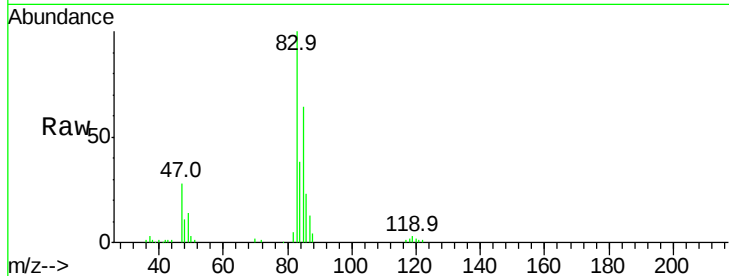
VSTD00504

Tgt Ion: 83 Resp: 49094

Ion Ratio Lower Upper

83 100

85 66.6 46.1 85.7



#27

1,2-Dichloroethane

Concen: 6.825 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW013619.D

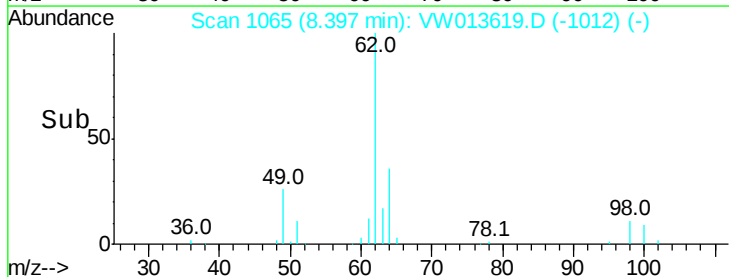
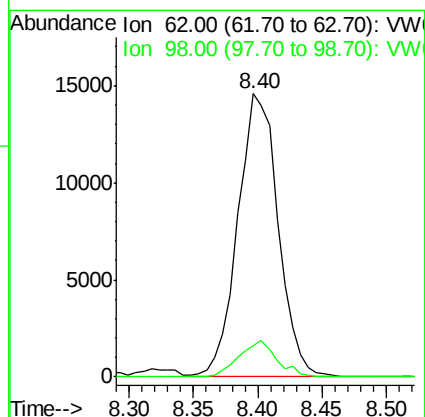
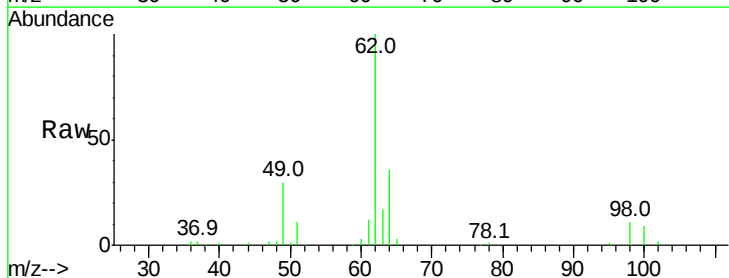
Acq: 18 Oct 2019 12:34

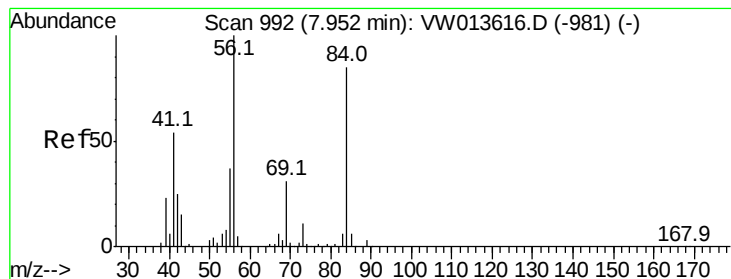
Tgt Ion: 62 Resp: 31709

Ion Ratio Lower Upper

62 100

98 11.2 9.6 14.4





#30

Cyclohexane

Concen: 5.247 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

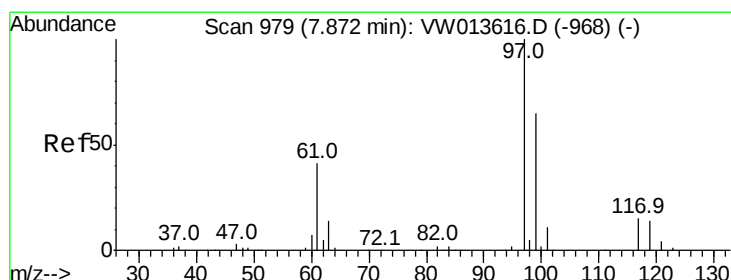
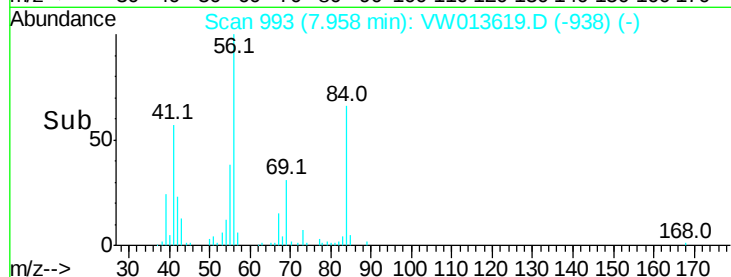
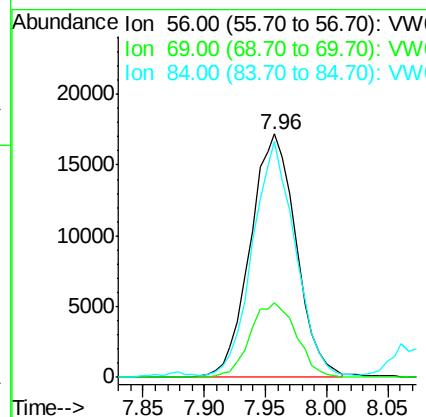
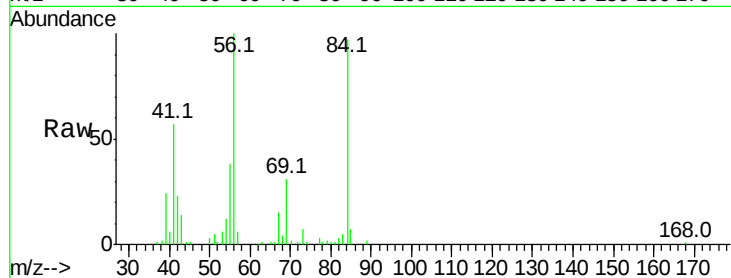
Tgt Ion: 56 Resp: 44813

Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

84 89.9 71.1 106.7



#31

1,1,1-Trichloroethane

Concen: 5.628 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

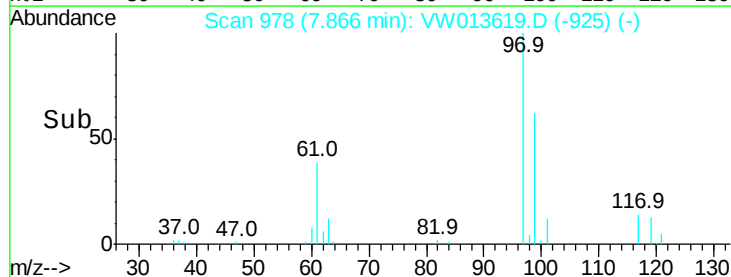
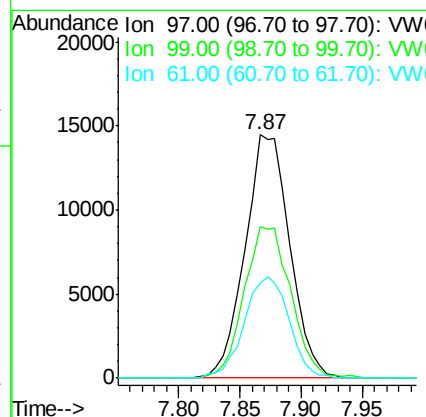
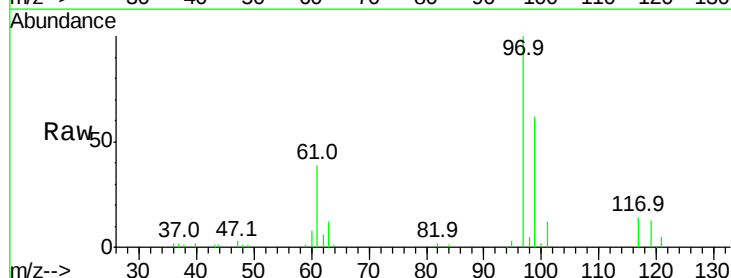
Tgt Ion: 97 Resp: 36816

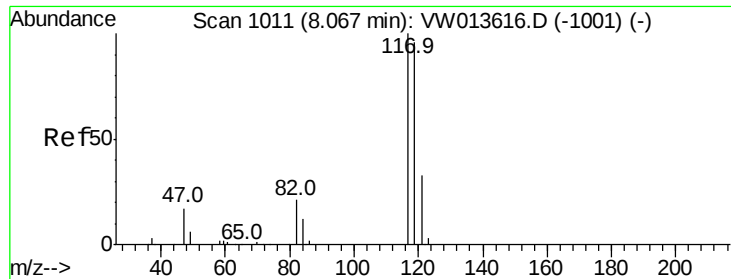
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 41.8 33.8 50.8





#32

Carbon tetrachloride

Concen: 5.685 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

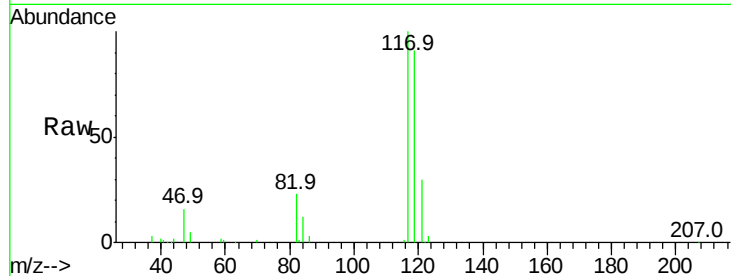
VSTD00504

Tgt Ion:117 Resp: 35674

Ion Ratio Lower Upper

117 100

119 94.5 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

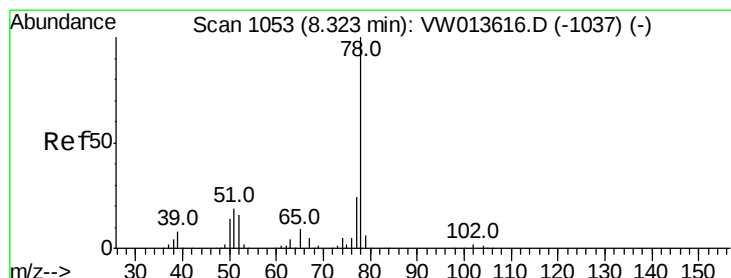
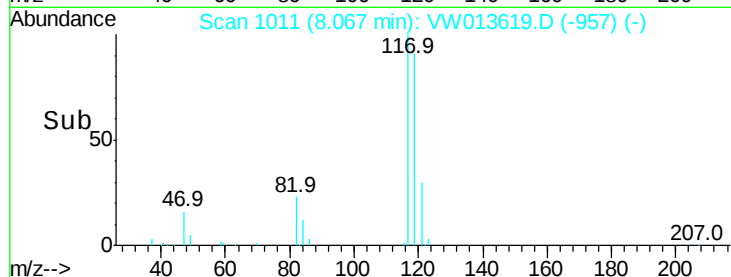
15000

10000

5000

0

Time--> 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.834 ug/L

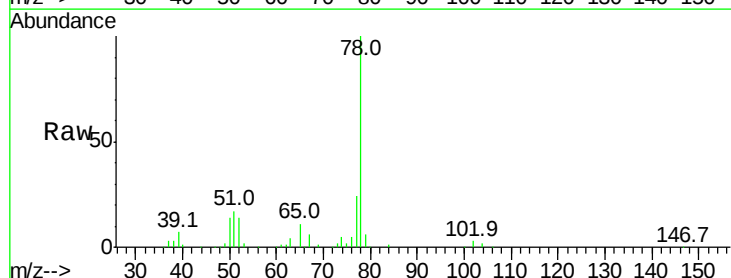
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Tgt Ion: 78 Resp: 114471



Abundance Ion 78.00 (77.70 to 78.70): VW

60000

50000

40000

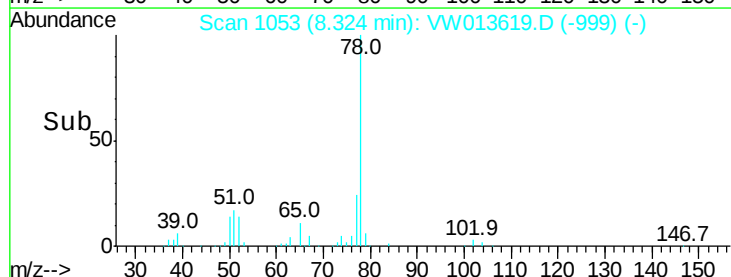
30000

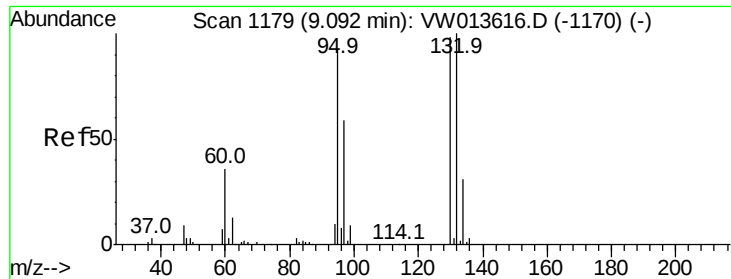
20000

10000

0

Time--> 8.20 8.25 8.30 8.35 8.40

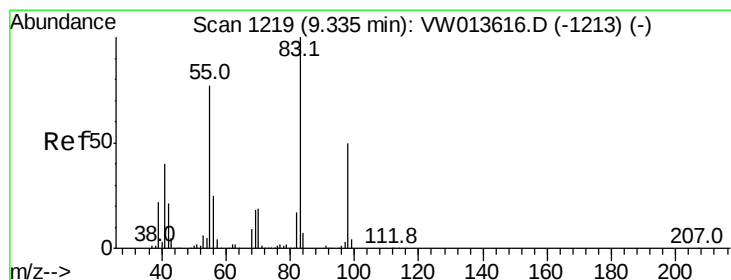
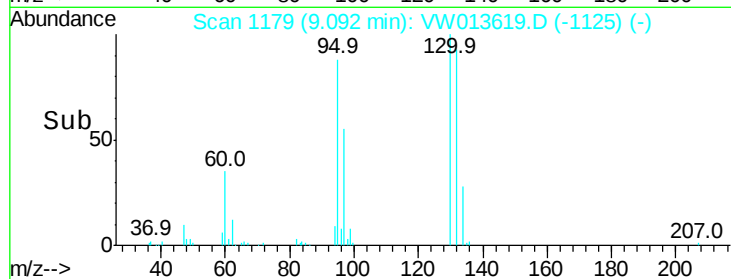
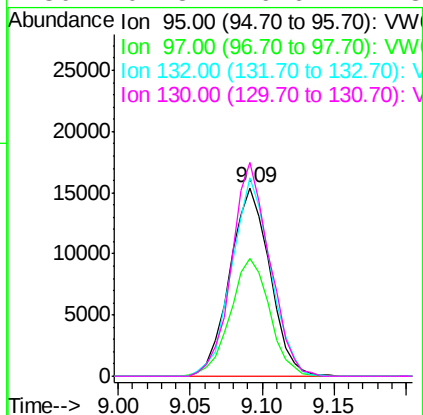
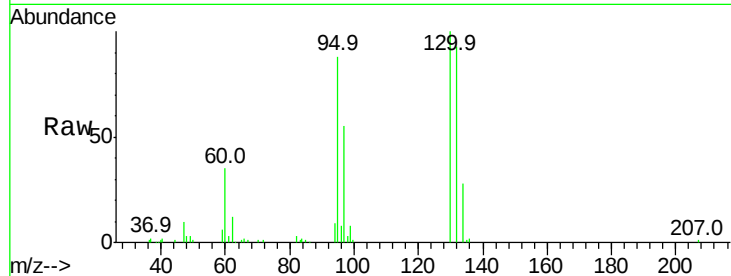




#35
 Trichloroethene
 Concen: 5.824 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

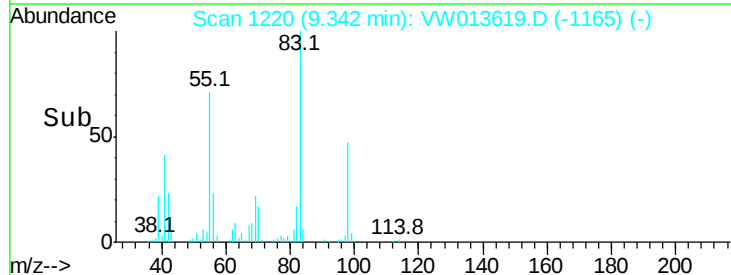
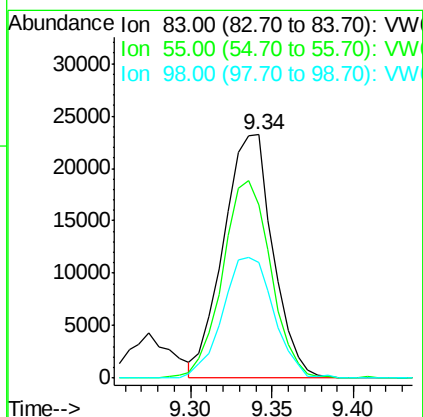
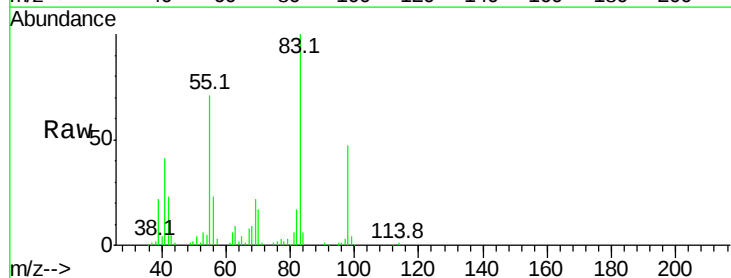
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

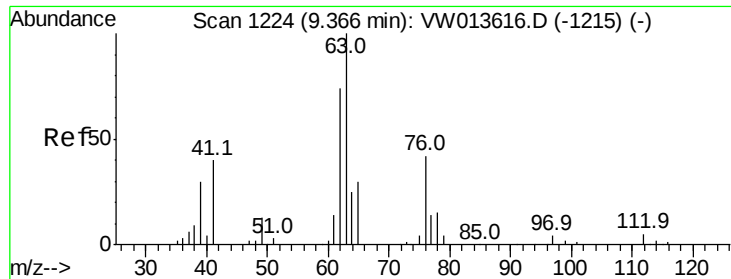
Tgt Ion:	95	Resp:	29811
Ion	Ratio	Lower	Upper
95	100		
97	61.7	45.8	85.2
132	102.3	74.3	138.1
130	107.8	76.6	142.3



#36
 Methylcyclohexane
 Concen: 5.285 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Tgt Ion:	83	Resp:	49193
Ion	Ratio	Lower	Upper
83	100		
55	79.1	60.2	90.4
98	51.0	39.1	58.7

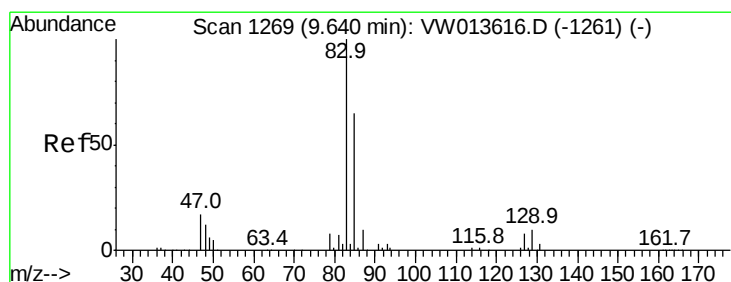
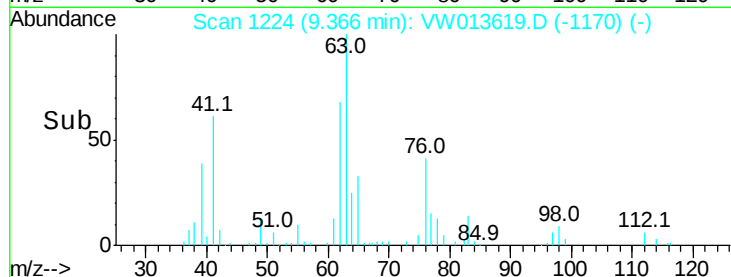
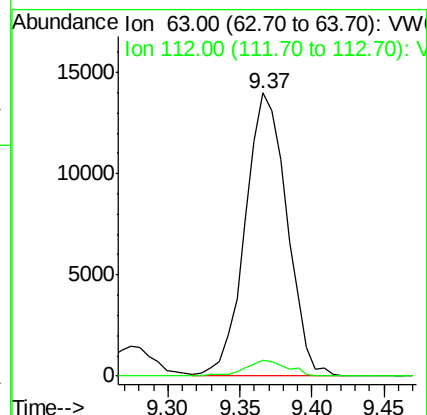
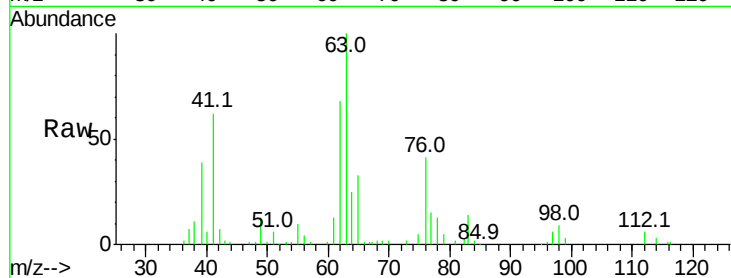




#40
 1,2-Dichloropropane
 Concen: 5.941 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

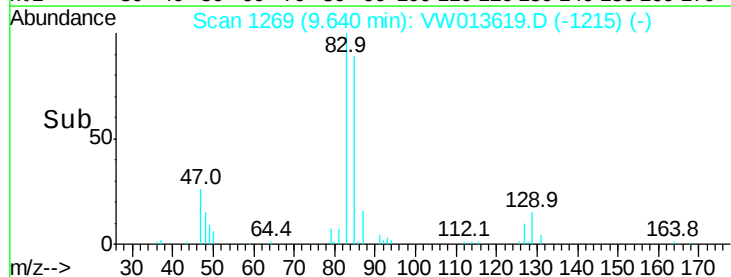
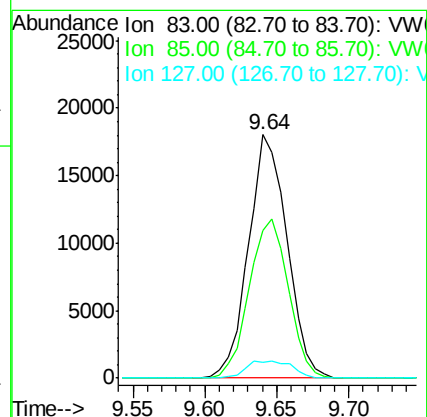
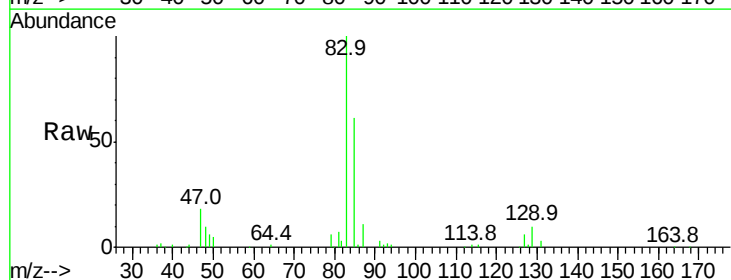
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

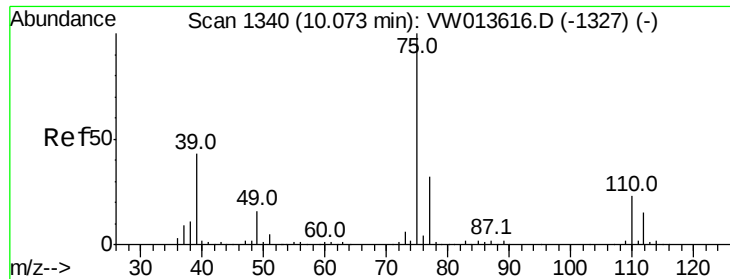
Tgt Ion: 63 Resp: 28081
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.9 5.9



#41
 Bromodichloromethane
 Concen: 5.740 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Tgt Ion: 83 Resp: 33328
 Ion Ratio Lower Upper
 83 100
 85 60.8 45.8 85.0
 127 6.5 6.6 10.0#





#42

cis-1,3-Dichloropropene

Concen: 5.589 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

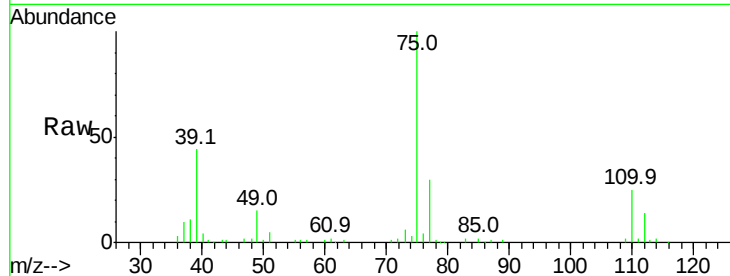
VSTD00504

Tgt Ion: 75 Resp: 42381

Ion Ratio Lower Upper

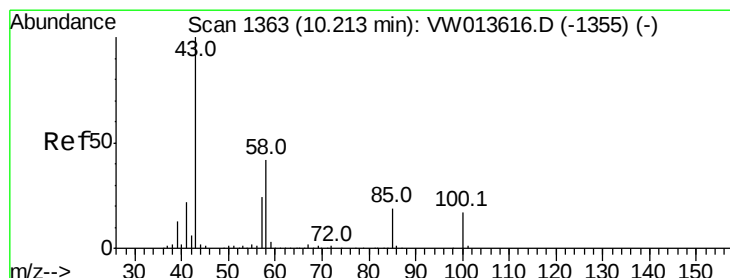
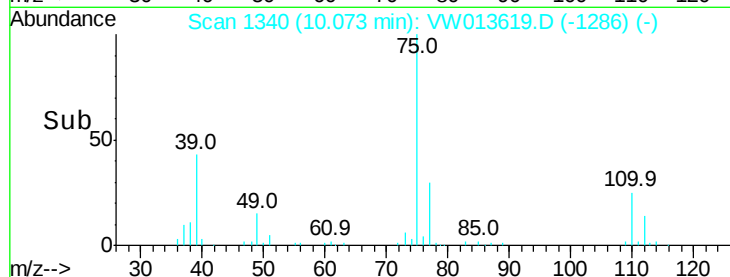
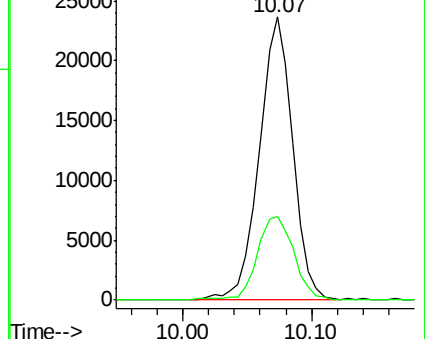
75 100

77 29.5 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 11.733 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

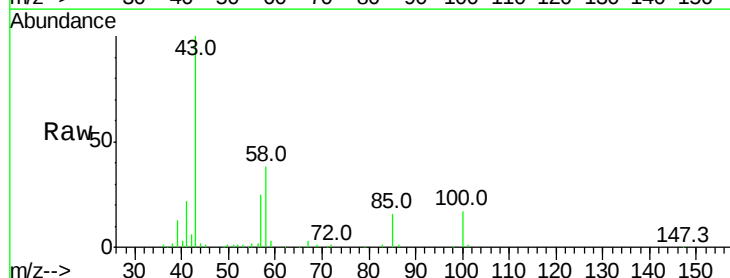
Tgt Ion: 43 Resp: 38698

Ion Ratio Lower Upper

43 100

58 40.7 32.8 49.2

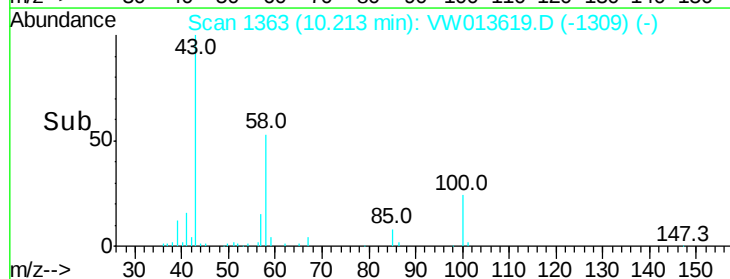
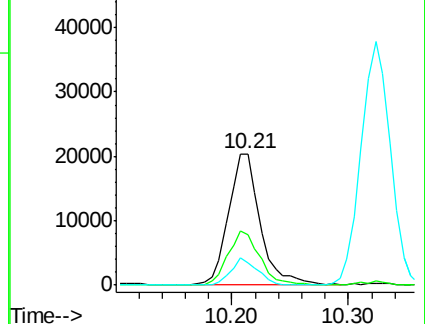
100 17.2 13.7 20.5

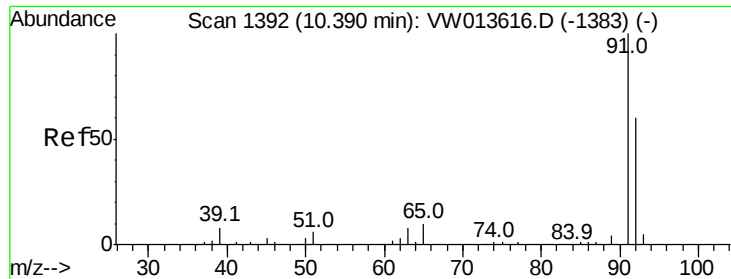


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 5.672 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

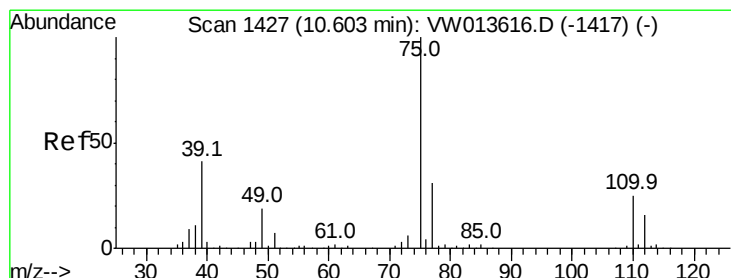
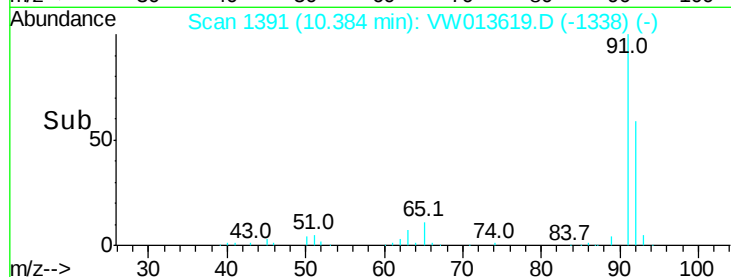
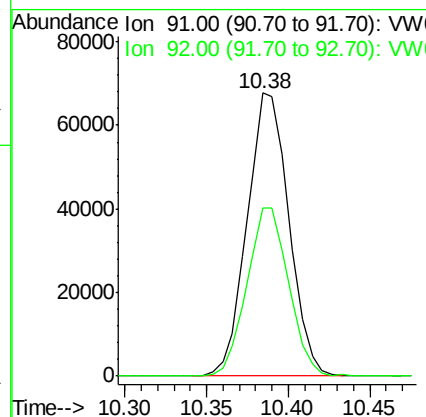
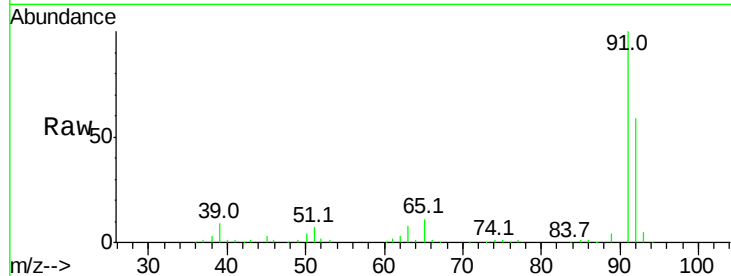
VSTD00504

Tgt Ion: 91 Resp: 120614

Ion Ratio Lower Upper

91 100

92 59.3 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 5.720 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013619.D

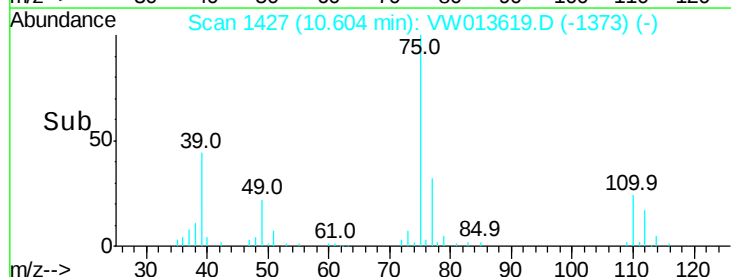
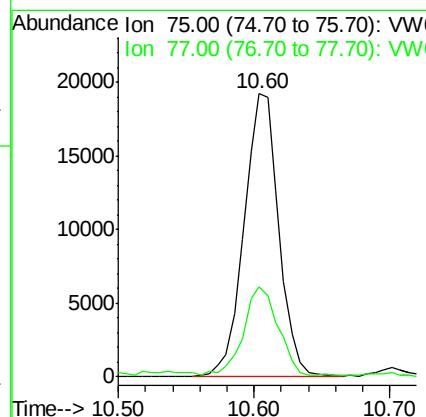
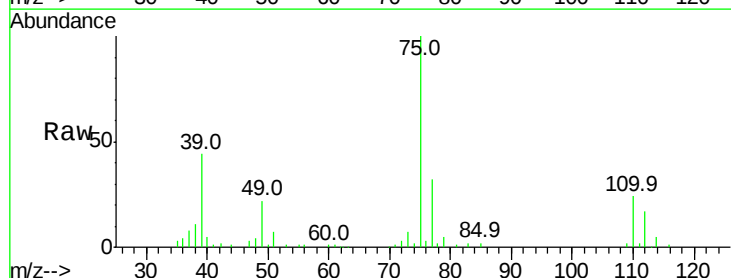
Acq: 18 Oct 2019 12:34

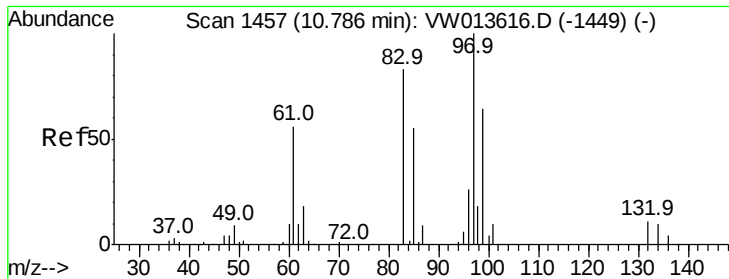
Tgt Ion: 75 Resp: 34251

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 6.033 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 97 Resp: 21649

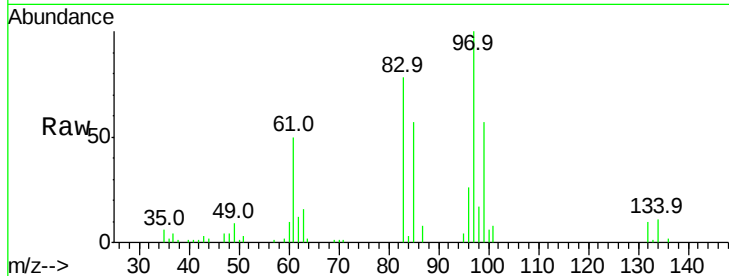
Ion Ratio Lower Upper

97 100

83 77.5 57.7 107.3

85 57.0 38.6 71.6

99 57.3 44.7 82.9

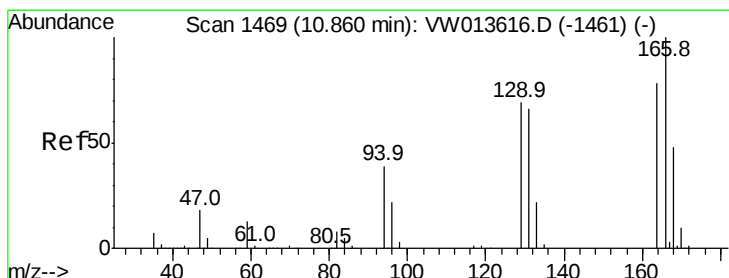
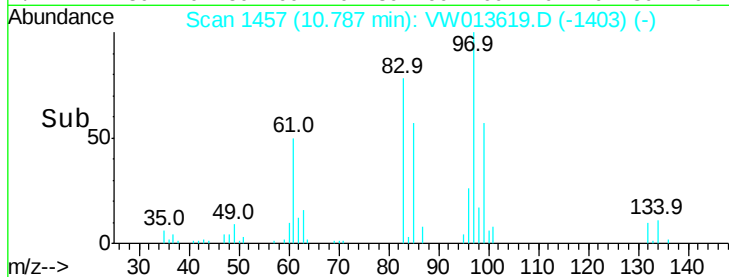
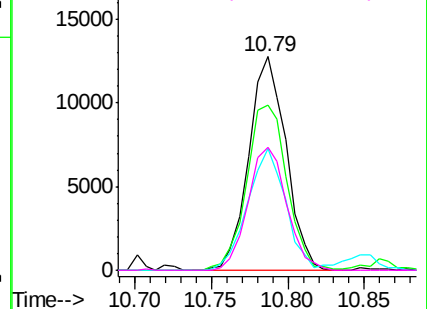


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.692 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Tgt Ion: 164 Resp: 26554

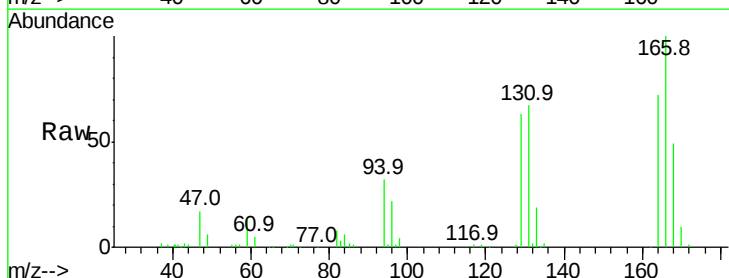
Ion Ratio Lower Upper

164 100

129 87.3 61.8 114.8

131 92.6 59.2 110.0

166 138.8 89.2 165.8

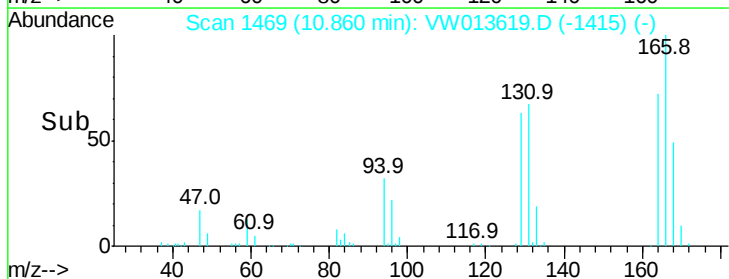
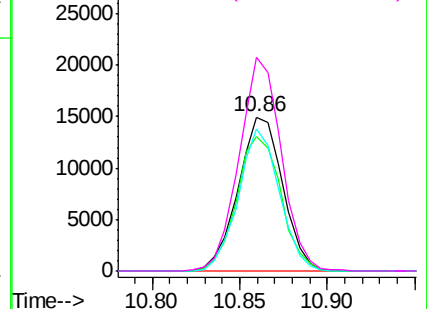


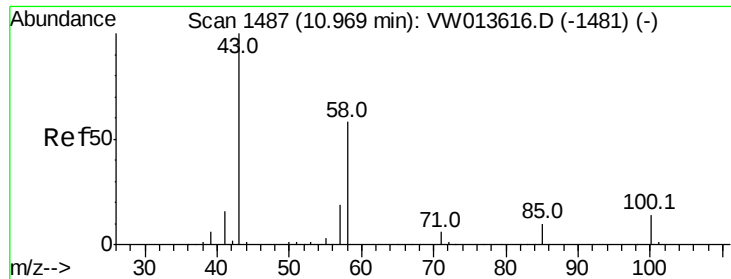
Abundance Ion 164.00 (163.70 to 164.70): V

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: 10.624 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 43 Resp: 25467

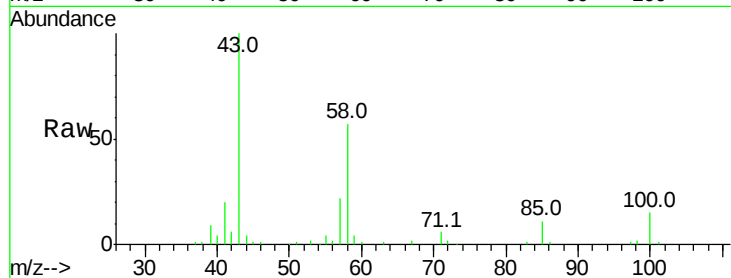
Ion Ratio Lower Upper

43 100

58 56.1 45.8 68.6

57 21.7 15.4 23.2

100 13.6 10.8 16.2

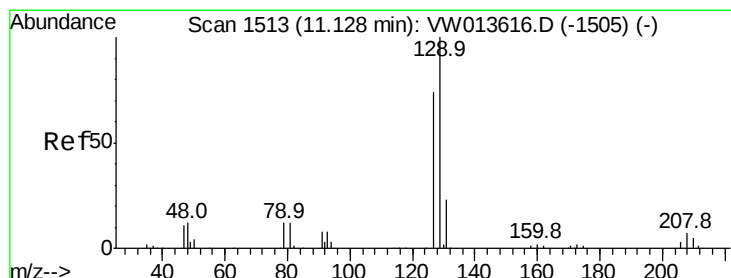
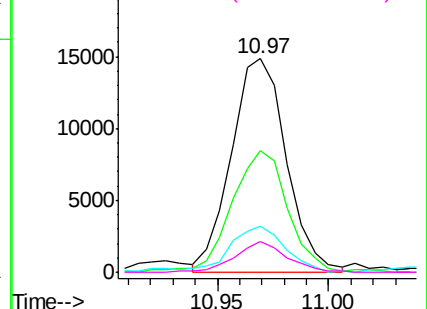
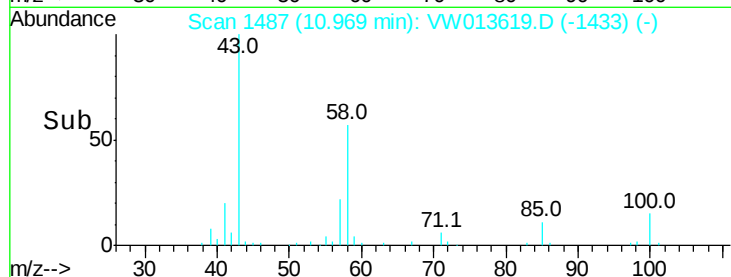


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 5.746 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013619.D

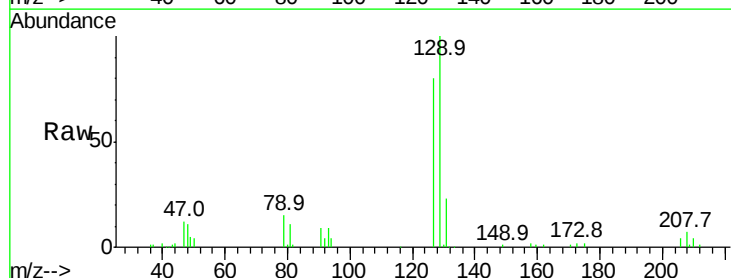
Acq: 18 Oct 2019 12:34

Tgt Ion: 129 Resp: 24276

Ion Ratio Lower Upper

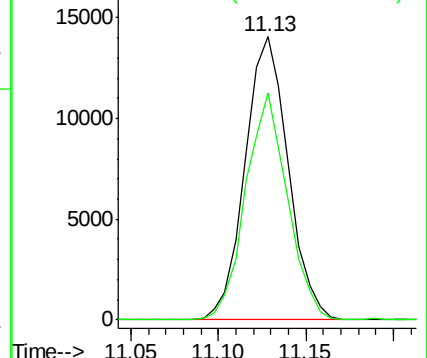
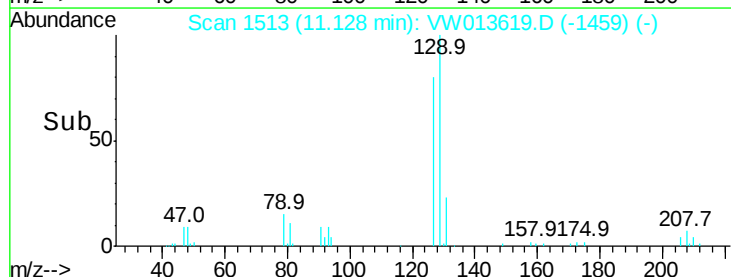
129 100

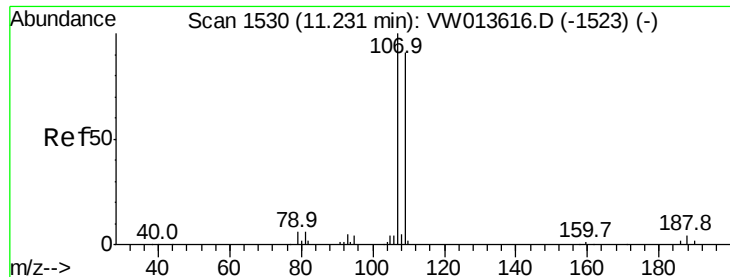
127 80.4 51.4 95.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

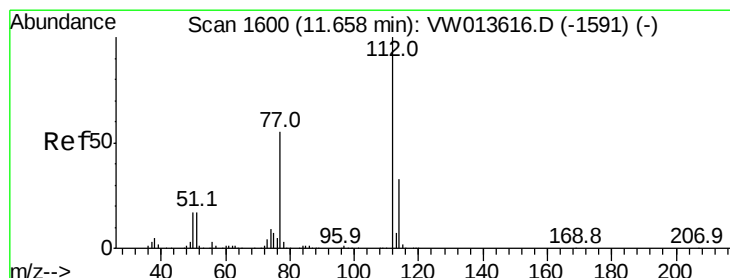
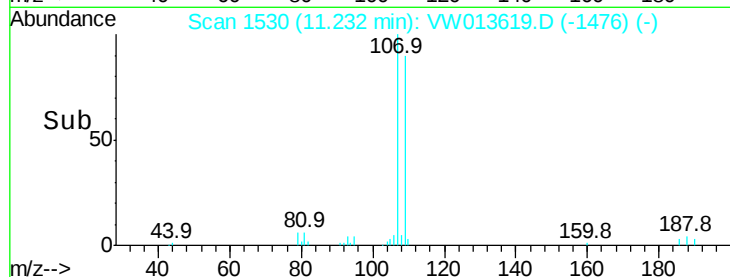
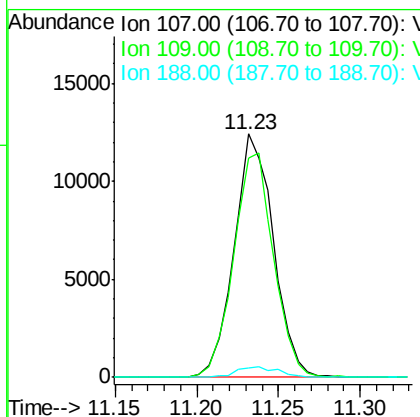
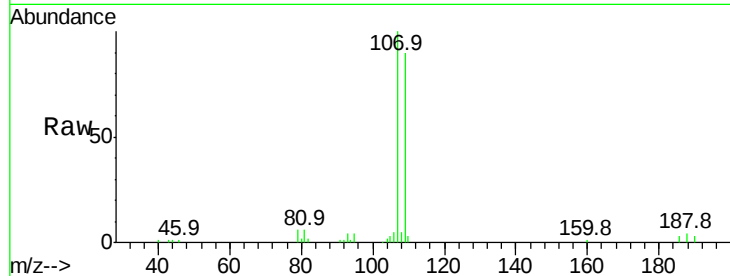




#51
1,2-Dibromoethane
Concen: 5.913 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

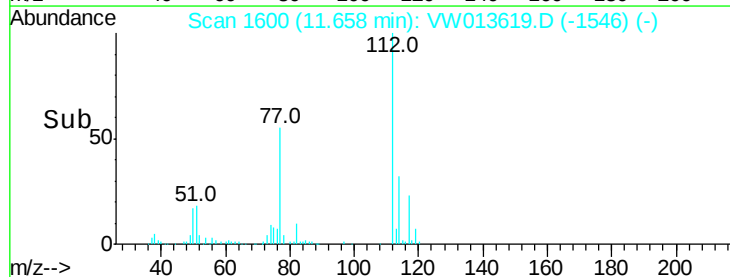
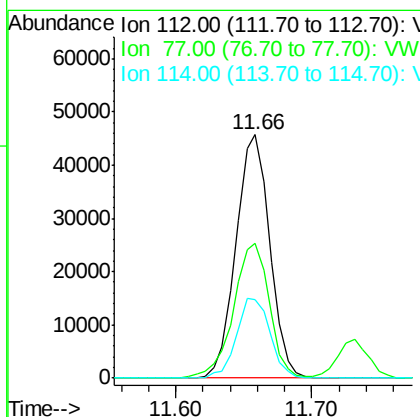
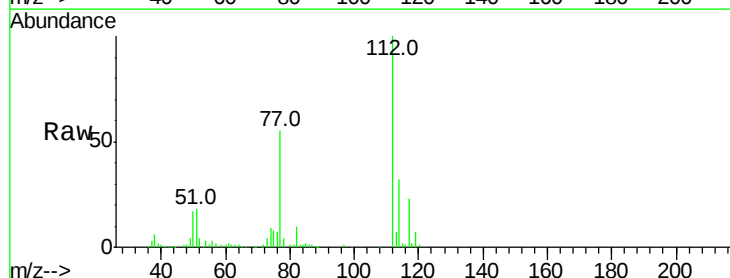
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

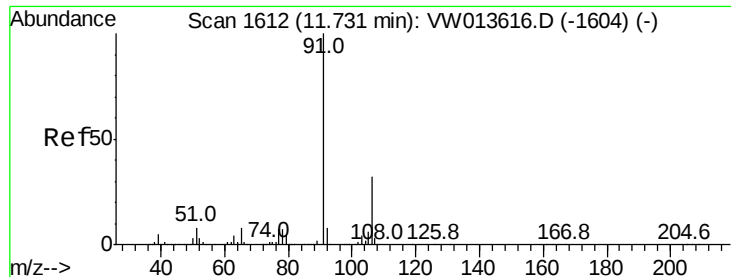
Tgt Ion:107 Resp: 20843
Ion Ratio Lower Upper
107 100
109 90.2 64.0 118.8
188 3.9 3.4 5.2



#52
Chlorobenzene
Concen: 5.874 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

Tgt Ion:112 Resp: 79277
Ion Ratio Lower Upper
112 100
77 55.2 44.1 66.1
114 32.4 23.4 43.4

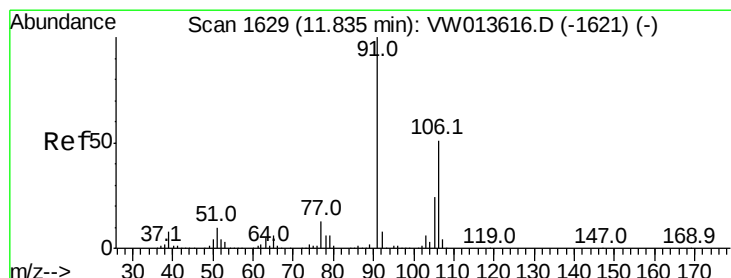
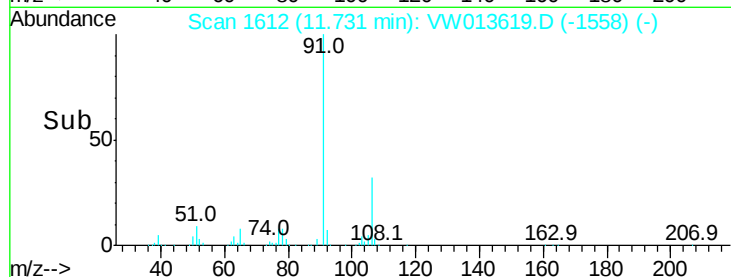
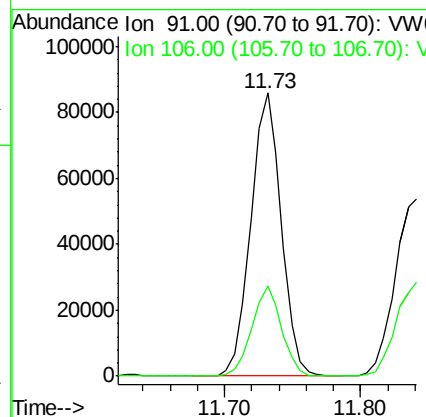
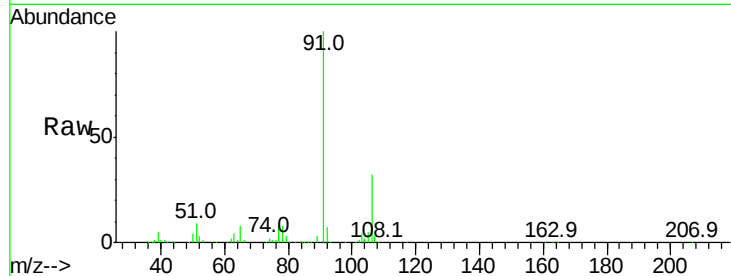




#53
Ethylbenzene
Concen: 5.719 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

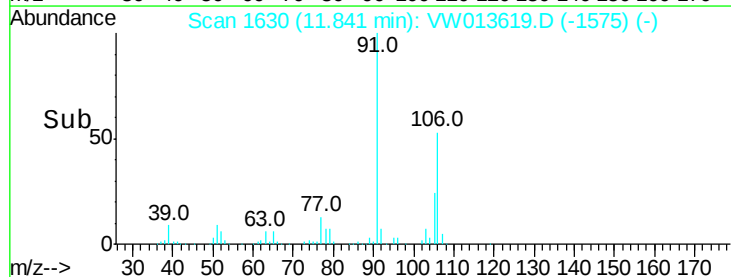
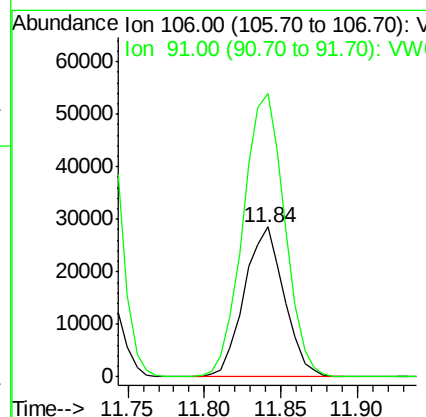
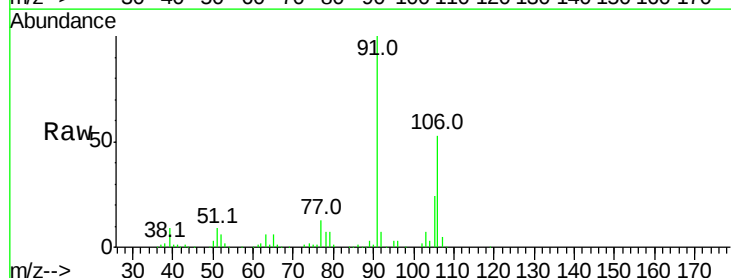
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

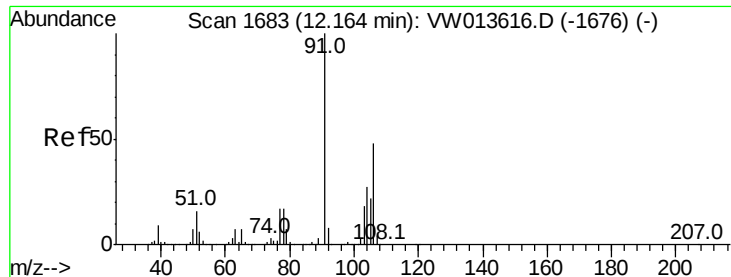
Tgt Ion: 91 Resp: 134626
Ion Ratio Lower Upper
91 100
106 32.0 22.3 41.3



#54
m,p-Xylene
Concen: 5.646 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

Tgt Ion: 106 Resp: 51844
Ion Ratio Lower Upper
106 100
91 188.7 137.7 255.7

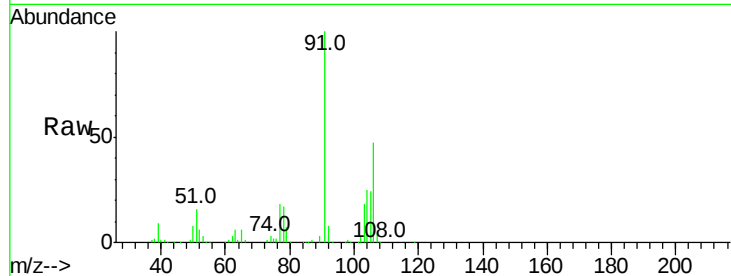




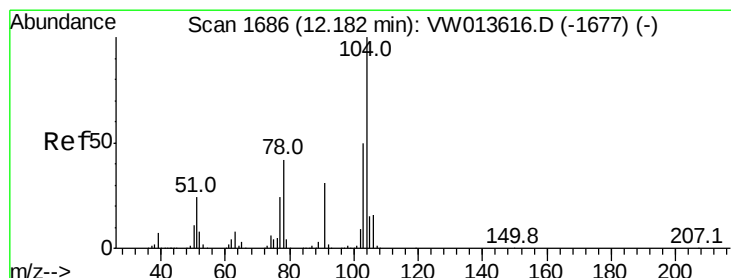
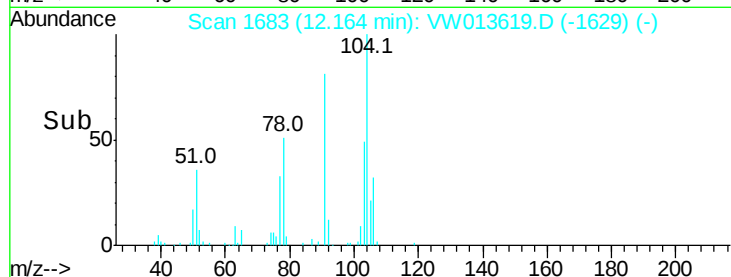
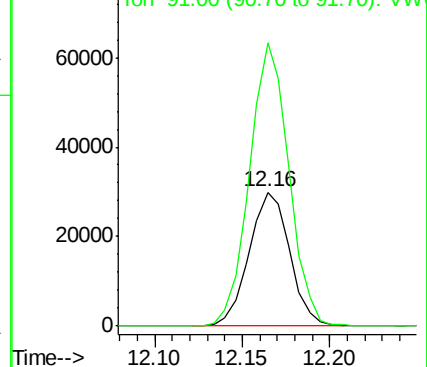
#55
o-xylene
Concen: 5.651 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Tgt Ion:106 Resp: 48435
Ion Ratio Lower Upper
106 100
91 211.0 144.8 269.0

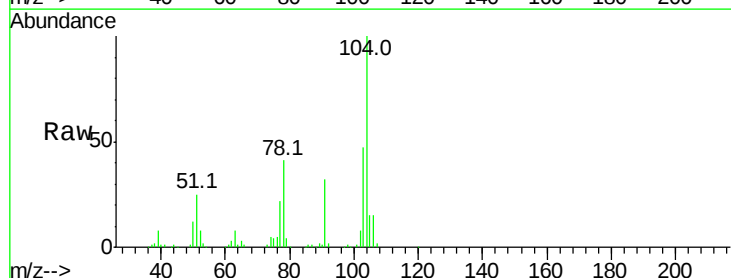


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

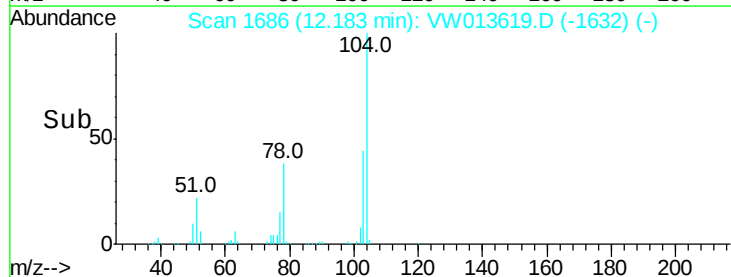
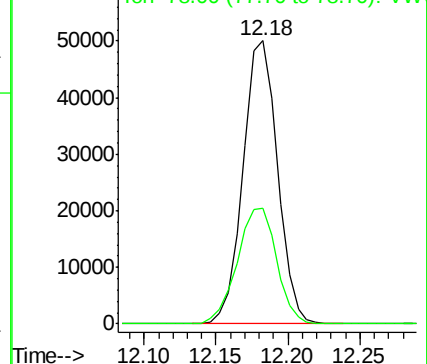


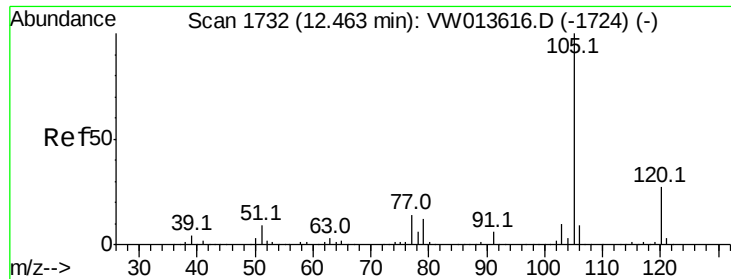
#56
Styrene
Concen: 5.694 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013619.D
Acq: 18 Oct 2019 12:34

Tgt Ion:104 Resp: 83124
Ion Ratio Lower Upper
104 100
78 41.0 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 5.573 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

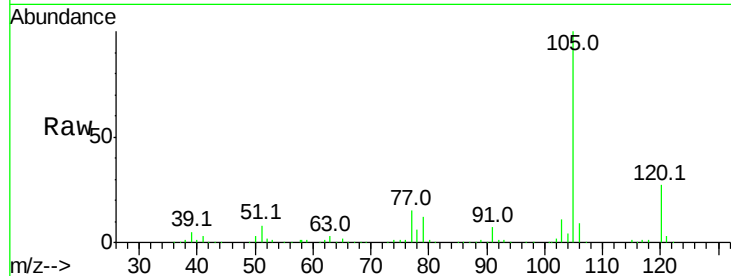
Tgt Ion:105 Resp: 129576

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

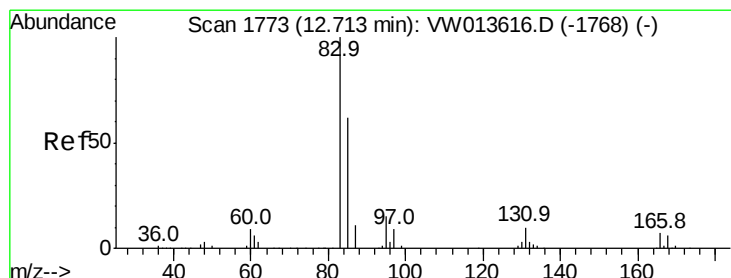
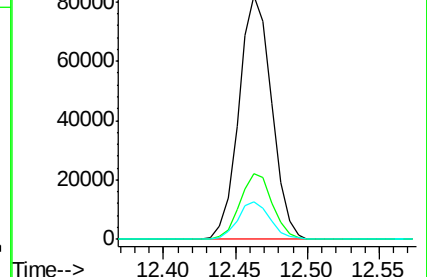
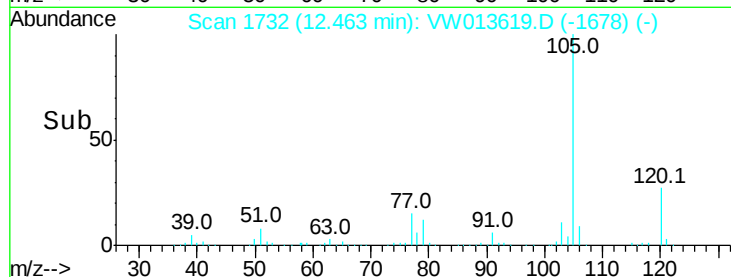
77 15.3 11.4 17.0



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: 5.942 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

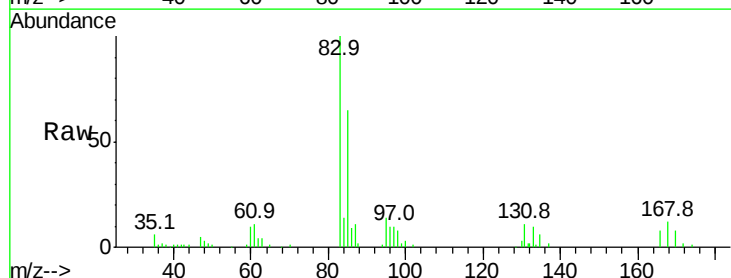
Tgt Ion: 83 Resp: 25190

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

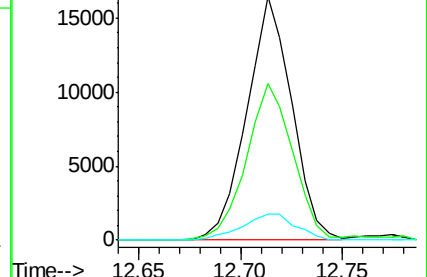
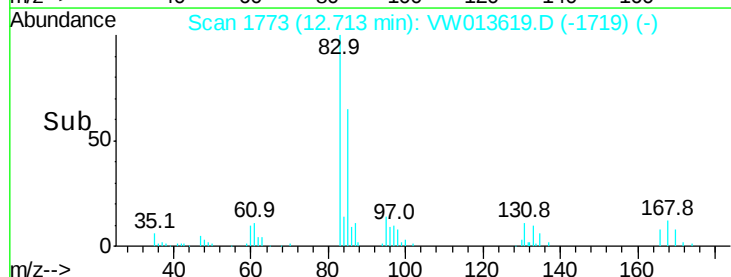
131 13.2 8.6 13.0#

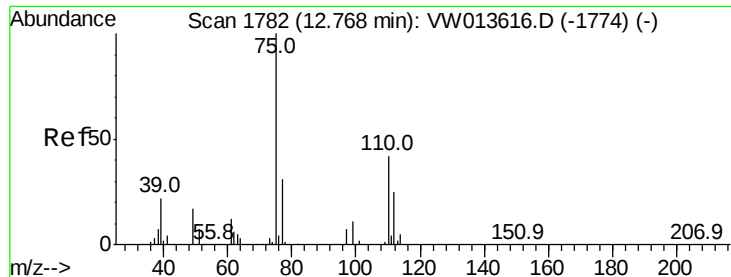


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

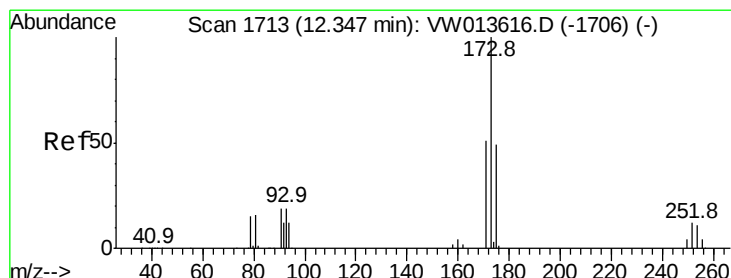
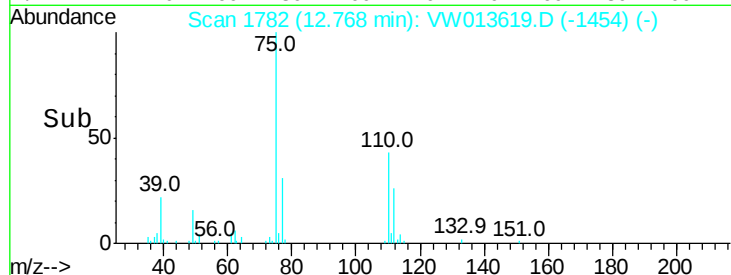
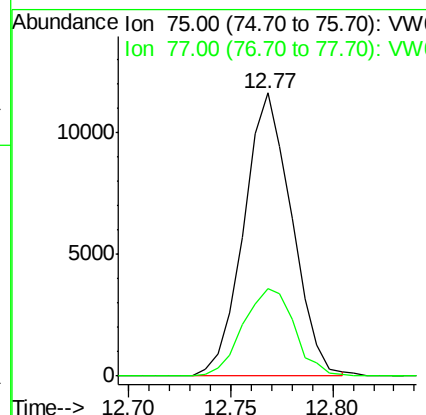
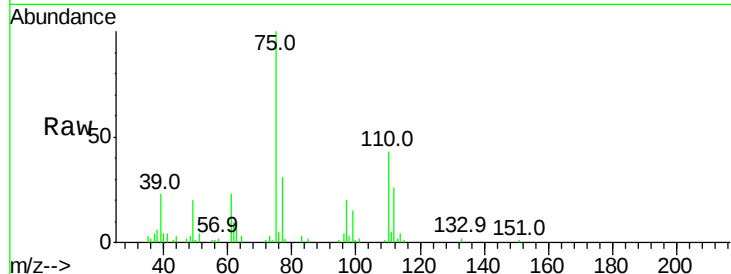




#59
 1,2,3-Trichloropropane
 Concen: 5.998 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

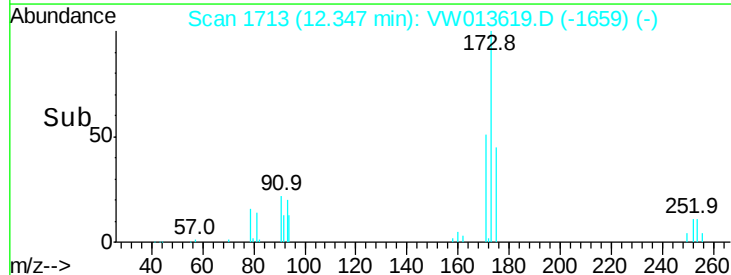
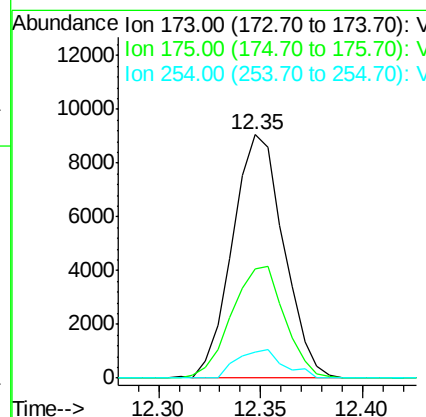
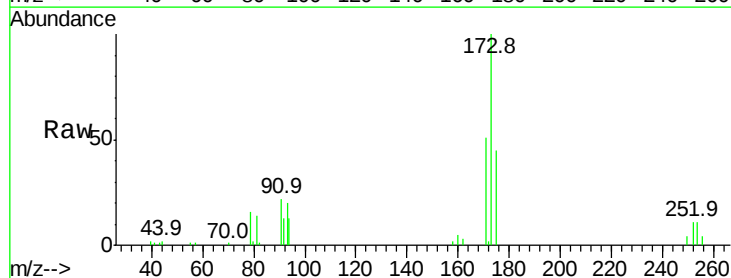
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

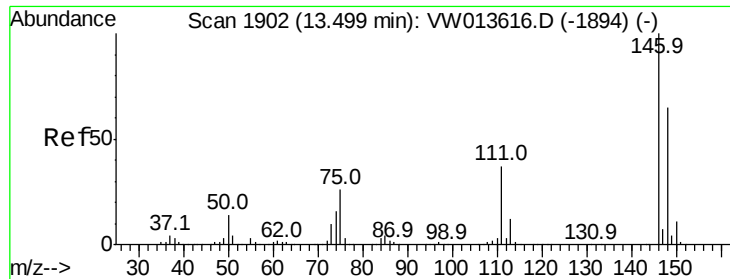
Tgt Ion: 75 Resp: 18986
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.4 39.6



#62
 Bromoform
 Concen: 5.195 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Tgt Ion: 173 Resp: 15795
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.1 58.7
 254 10.7 9.6 14.4

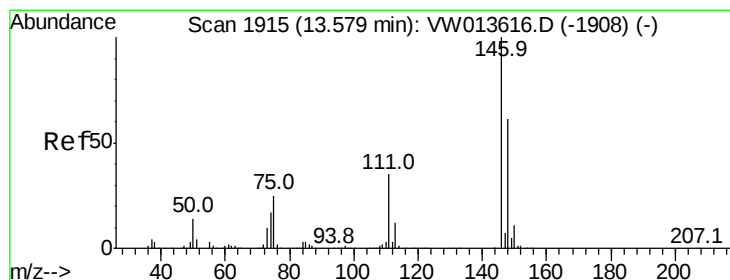
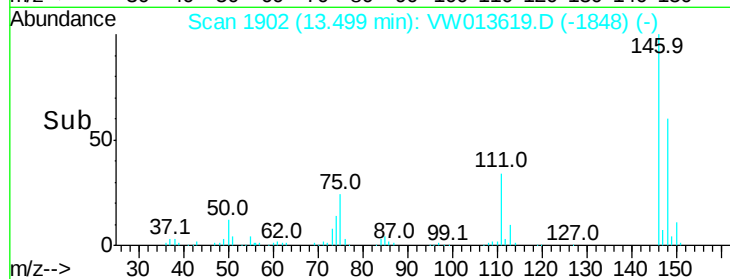
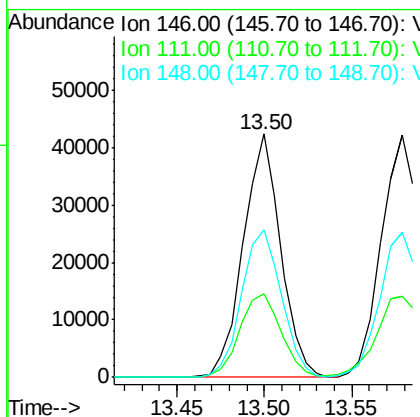
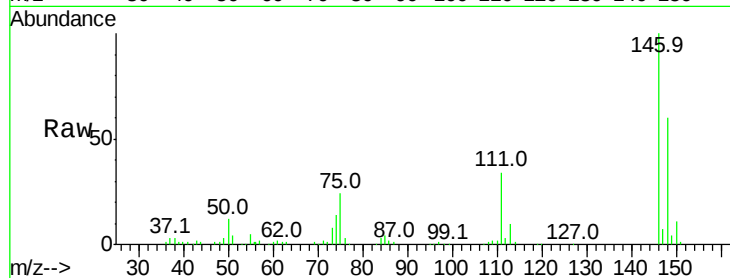




#63
 1,3-Dichlorobenzene
 Concen: 4.980 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

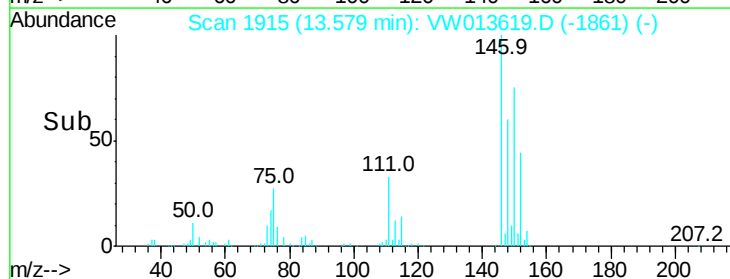
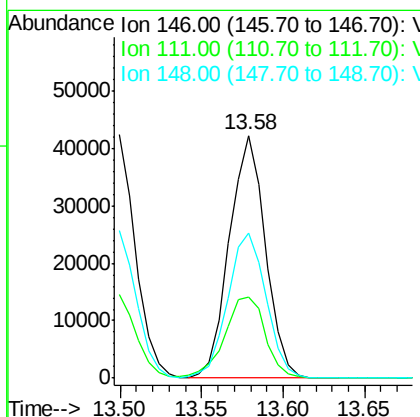
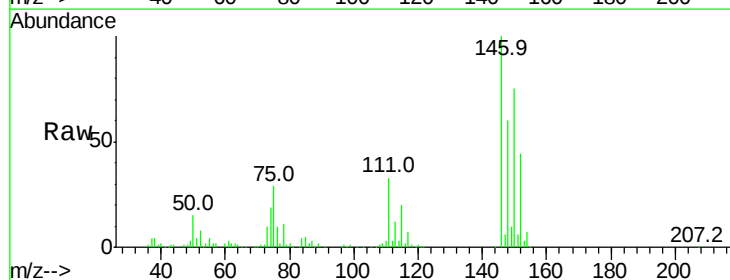
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

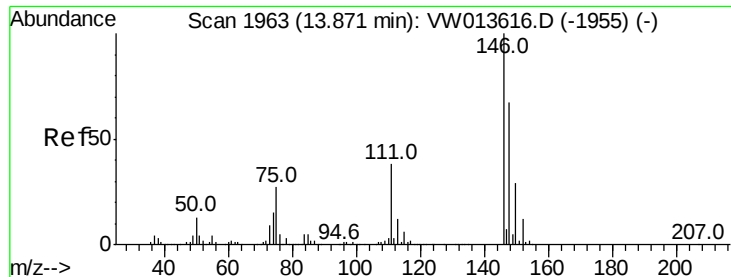
Tgt Ion:146 Resp: 63076
 Ion Ratio Lower Upper
 146 100
 111 34.3 26.1 48.5
 148 60.4 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 5.158 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Tgt Ion:146 Resp: 65040
 Ion Ratio Lower Upper
 146 100
 111 33.4 24.8 46.0
 148 59.9 43.0 79.8

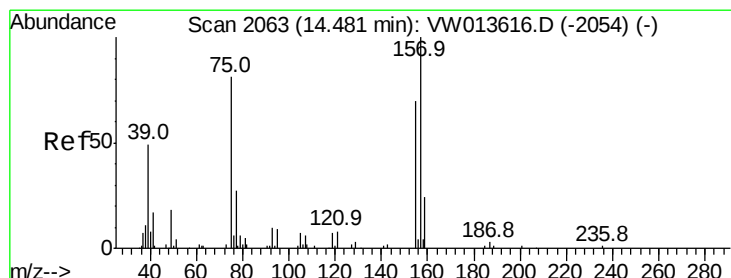
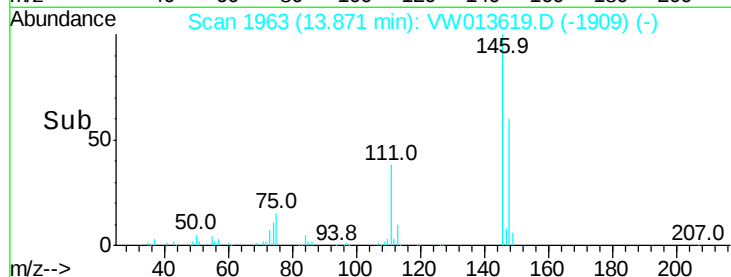
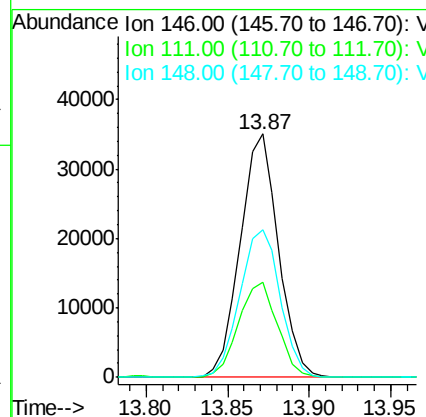
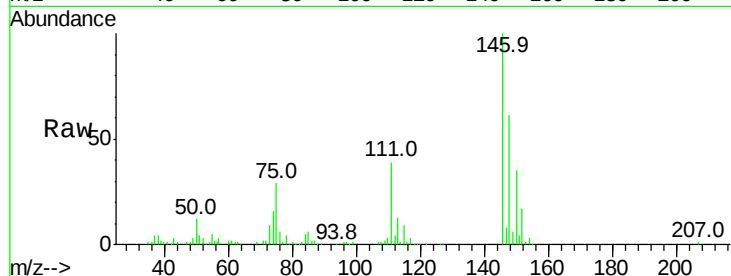




#65
 1,2-Dichlorobenzene
 Concen: 5.018 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

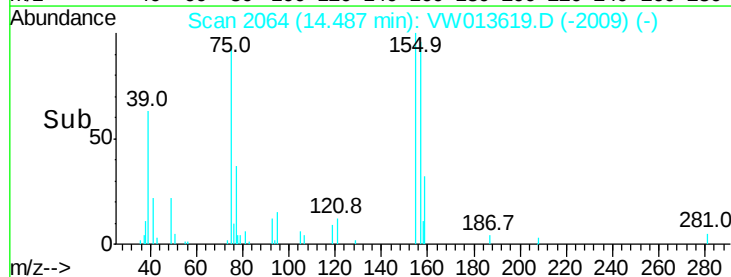
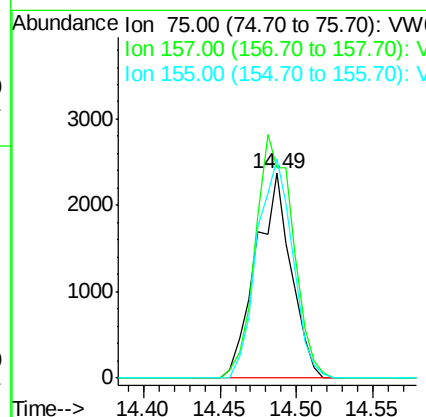
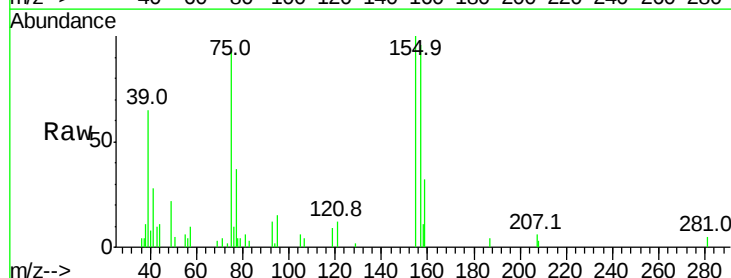
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

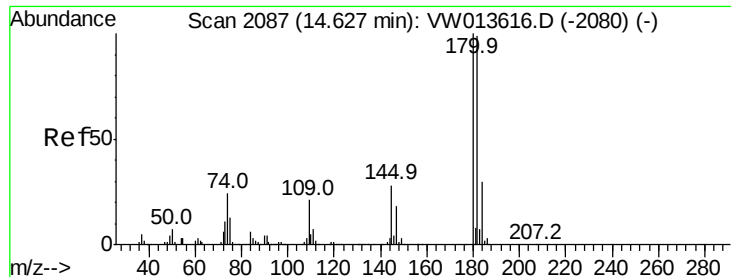
Tgt Ion:146 Resp: 57154
 Ion Ratio Lower Upper
 146 100
 111 39.1 30.7 46.1
 148 60.5 53.3 79.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.826 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Tgt Ion: 75 Resp: 3794
 Ion Ratio Lower Upper
 75 100
 157 102.8 99.4 149.0
 155 107.1 69.7 104.5#

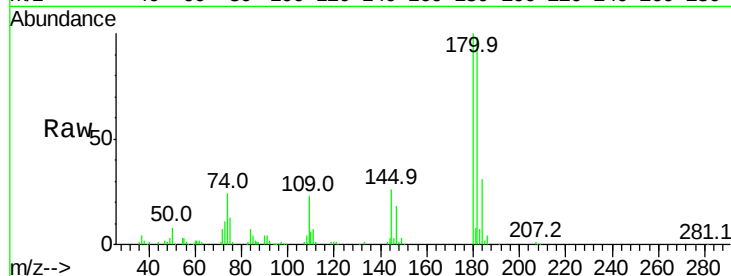




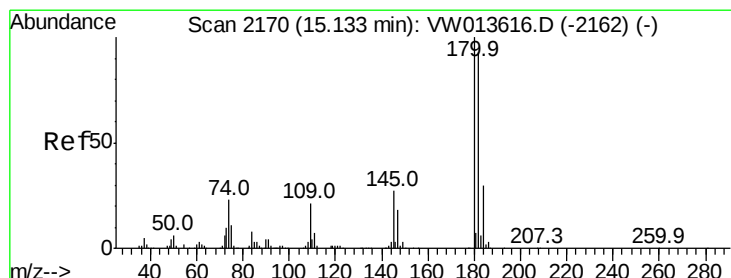
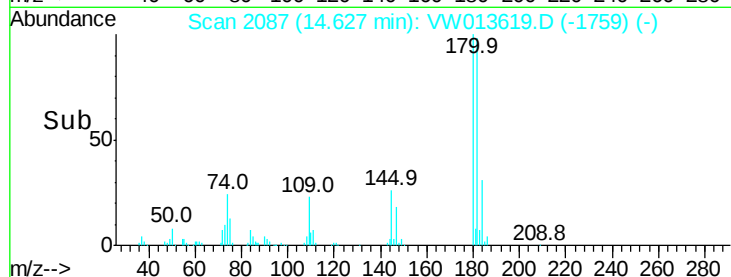
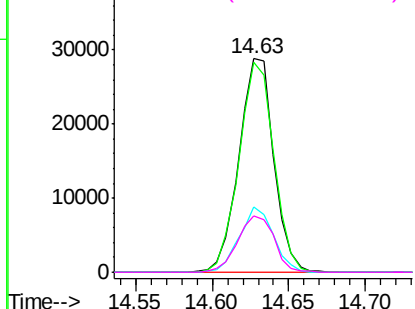
#67
 1,3,5-Trichlorobenzene
 Concen: 4.772 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tgt Ion:180 Resp: 45623
 Ion Ratio Lower Upper
 180 100
 182 98.2 76.2 114.4
 184 29.9 24.1 36.1
 145 27.6 21.8 32.8

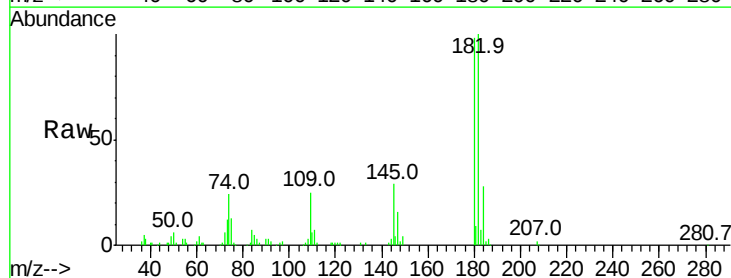


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

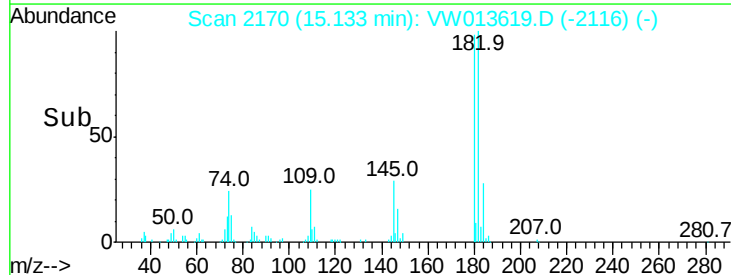
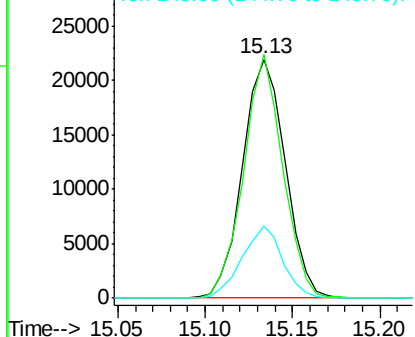


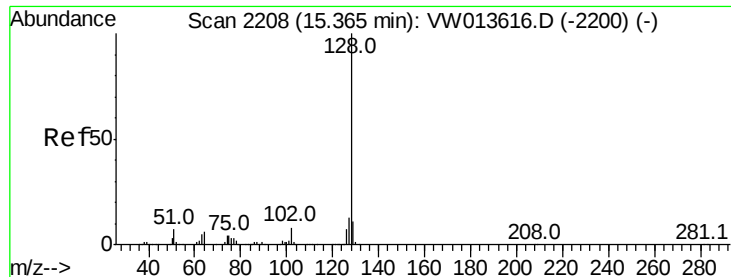
#68
 1,2,4-trichlorobenzene
 Concen: 4.714 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013619.D
 Acq: 18 Oct 2019 12:34

Tgt Ion:180 Resp: 37353
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.8 113.8
 145 28.4 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: 4.474 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

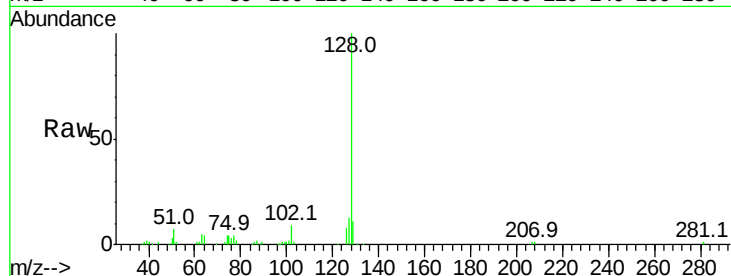
Tgt Ion:128 Resp: 64569

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

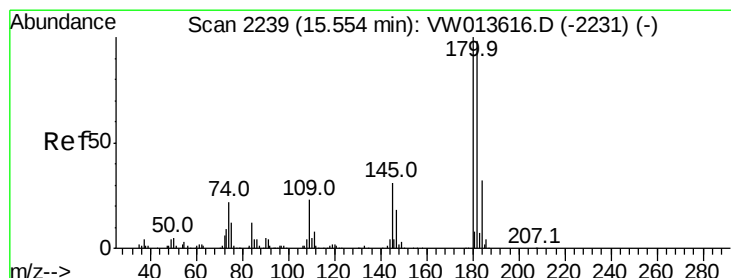
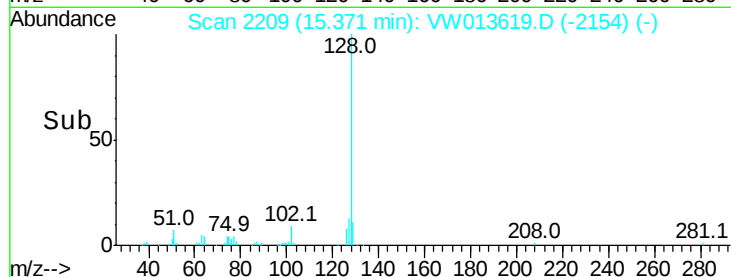
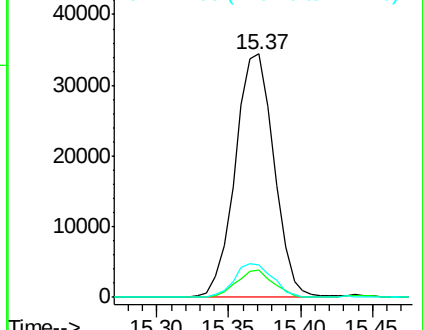
127 13.8 10.5 15.7



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: 4.842 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013619.D

Acq: 18 Oct 2019 12:34

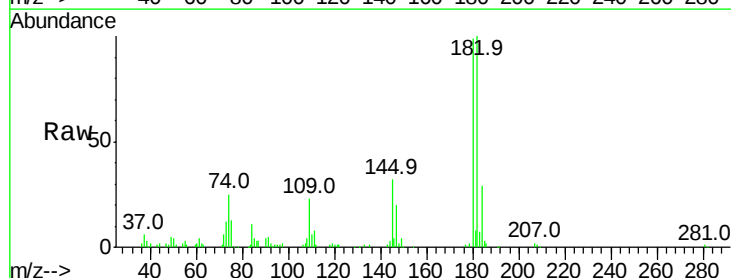
Tgt Ion:180 Resp: 34161

Ion Ratio Lower Upper

180 100

182 97.7 77.0 115.4

145 31.1 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

