

Data File : VW016787.D
Acq On : 06 Oct 2020 08:23
Operator : SY/VA
Sample : VSTD10004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD100105

Quant Time: Oct 06 08:53:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM100620SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Oct 06 08:08:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	596561	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	550496	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	281084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	538559	85.87	ug/L	0.00
7) Chloroethane-d5	2.89	69	449215	92.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	1160980	91.19	ug/L	0.00
21) 2-Butanone-d5	7.07	46	249137	200.69	ug/L	0.00
24) Chloroform-d	7.65	84	1122946	89.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	537231	90.35	ug/L	0.00
32) Benzene-d6	8.27	84	2230003	89.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	605661	88.48	ug/L	0.00
41) Toluene-d8	10.32	98	2133974	88.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	292525	96.58	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	215266	216.15	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	492064	94.95	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	765637	87.29	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	740674	98.409	ug/L	99
3) Chloromethane	2.22	50	643710	105.089	ug/L	99
5) Vinyl chloride	2.37	62	789149	91.428	ug/L	98
6) Bromomethane	2.78	94	579407	97.654	ug/L	98
8) Chloroethane	2.93	64	492607	98.414	ug/L	99
9) Trichlorofluoromethane	3.26	101	629014	87.838	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	767582	97.719	ug/L	99
12) 1,1-Dichloroethene	4.05	96	764645	97.814	ug/L	98
13) Acetone	4.12	43	185310	202.740	ug/L	100
14) Carbon disulfide	4.39	76	2196446	91.926	ug/L	99
15) Methyl Acetate	4.67	43	246055	107.241	ug/L	98
16) Methylene chloride	4.92	84	689371	78.354	ug/L	97
17) trans-1,2-Dichloroethene	5.43	96	778952	96.257	ug/L	99
18) Methyl tert-butyl Ether	5.43	73	808197	92.083	ug/L	100
19) 1,1-Dichloroethane	6.22	63	1202913	95.620	ug/L	100
20) cis-1,2-Dichloroethene	7.17	96	798434	96.256	ug/L	99
22) 2-Butanone	7.17	43	307107	195.693	ug/L	97
23) Bromochloromethane	7.52	128	377619	96.899	ug/L	95
25) Chloroform	7.68	83	1284874	95.189	ug/L	100
27) 1,2-Dichloroethane	8.40	62	769610	96.528	ug/L	99
29) Cyclohexane	7.96	56	1117037	95.938	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	1082835	90.491	ug/L	99
31) Carbon tetrachloride	8.07	117	1097635	92.885	ug/L	99
33) Benzene	8.32	78	2767497	92.293	ug/L	100
34) Trichloroethene	9.09	95	802091	94.911	ug/L	96
35) Methylcyclohexane	9.34	83	1378668	96.257	ug/L	98
37) 1,2-Dichloropropane	9.37	63	633369	93.110	ug/L	99
38) Bromodichloromethane	9.65	83	926777	97.148	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	1107764	101.373	ug/L	97
40) 4-Methyl-2-pentanone	10.21	43	693561	208.316	ug/L	99

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Quant Title : SFAM01.0
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Response via : Initial Calibration

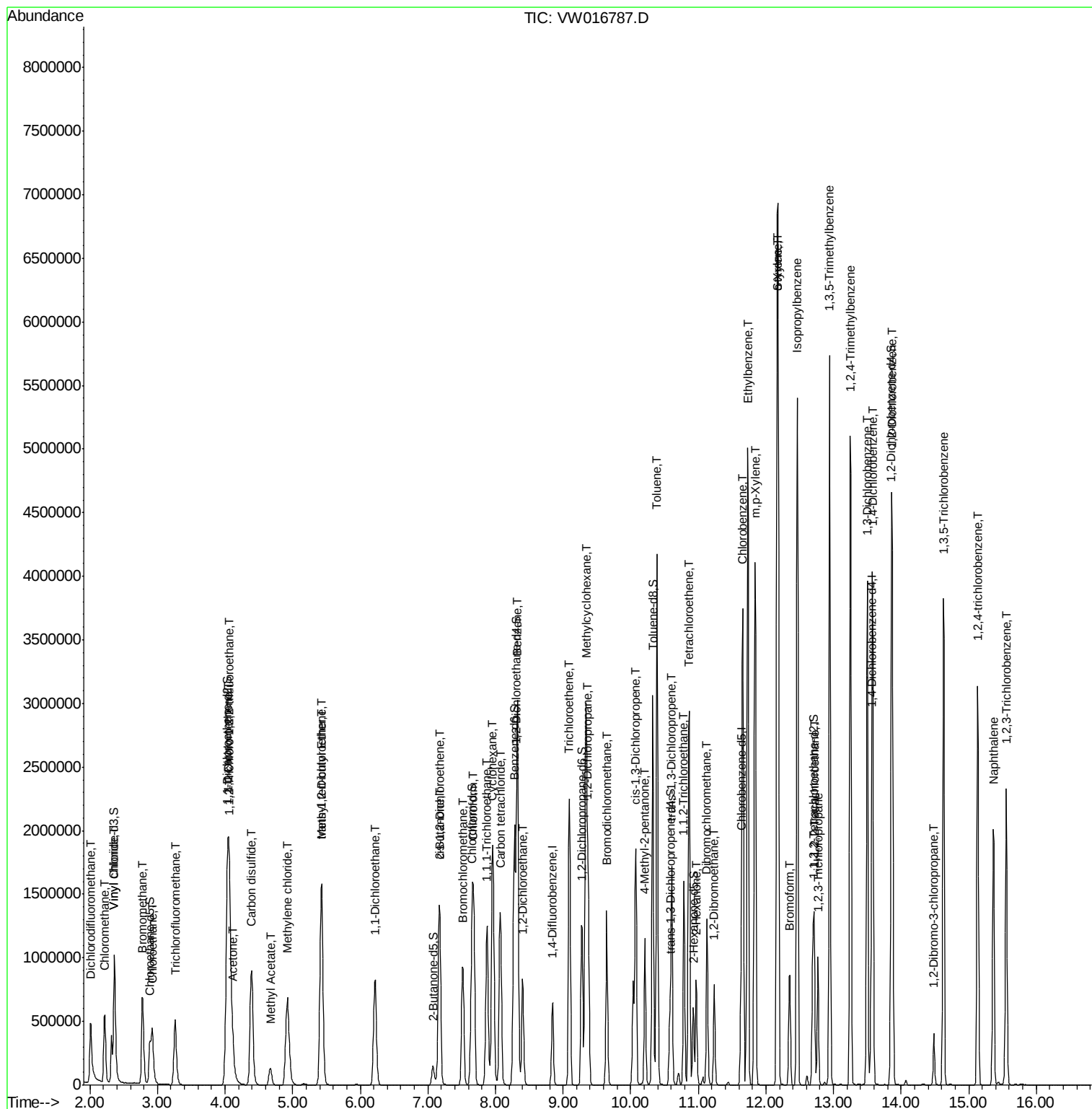
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	3131934	93.738	ug/L	97
44) trans-1,3-Dichloropropene	10.61	75	958070	103.231	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	523664	96.132	ug/L	99
46) Tetrachloroethene	10.86	164	716764	92.643	ug/L	89
48) 2-Hexanone	10.97	43	469088	214.412	ug/L	98
49) Dibromochloromethane	11.13	129	701398	101.282	ug/L	94
50) 1,2-Dibromoethane	11.24	107	533819	100.161	ug/L	99
51) Chlorobenzene	11.66	112	2088735	94.226	ug/L	98
52) Ethylbenzene	11.73	91	3582094	96.021	ug/L	99
53) m,p-Xylene	11.84	106	1399140	95.664	ug/L	96
54) o-Xylene	12.17	106	1356155	98.349	ug/L	93
55) Styrene	12.18	104	2258245	98.608	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	582998	99.483	ug/L	97
59) Bromoform	12.35	173	426327	105.692	ug/L	98
60) Isopropylbenzene	12.46	105	3606350	93.519	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	422972	96.375	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	3091969	98.376	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	2858933	97.337	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	1699692	94.552	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	1674225	93.947	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	1471700	93.033	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.49	75	94708	100.661	ug/L	91
69) 1,3,5-Trichlorobenzene	14.63	180	1247538	94.755	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	1066462	102.618	ug/L	99
71) Naphthalene	15.36	128	1828901	109.484	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	894413	101.935	ug/L	98

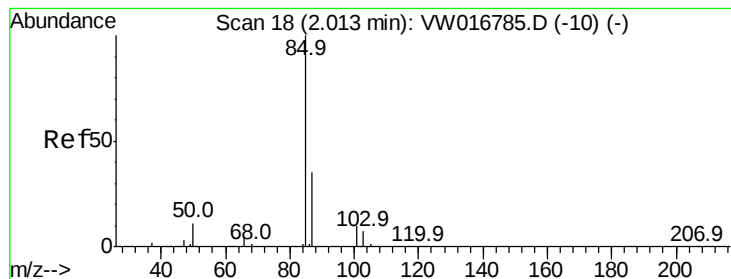
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 98.409 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

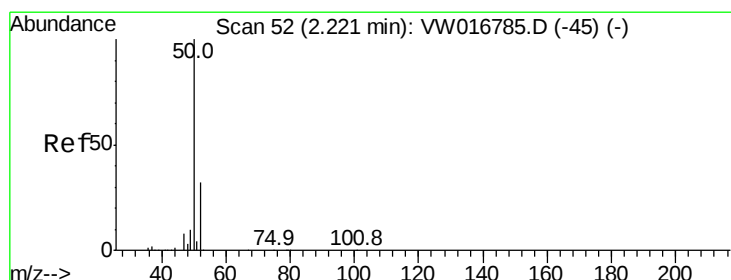
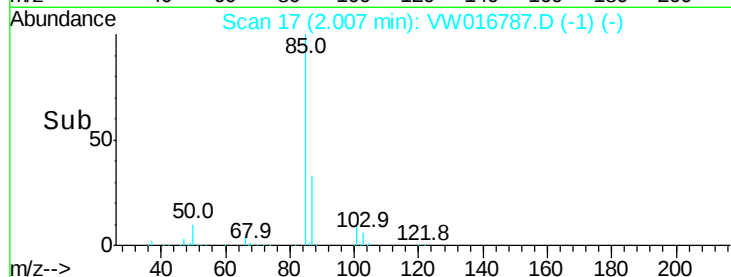
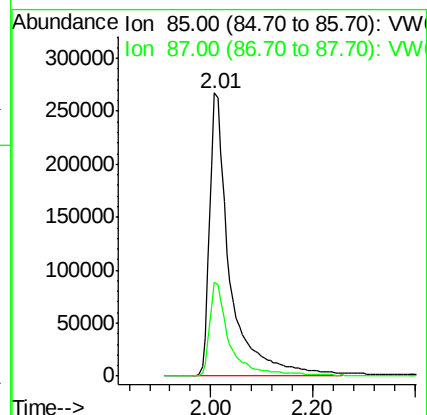
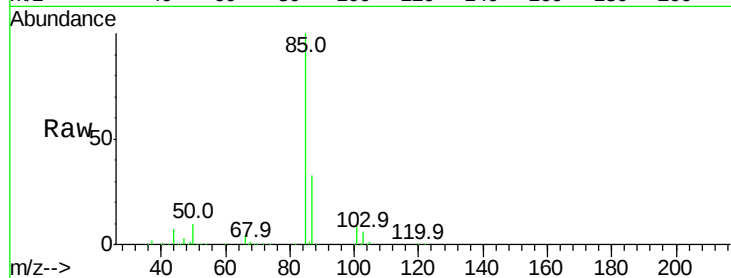
VSTD100105

Tgt Ion: 85 Resp: 740674

Ion Ratio Lower Upper

85 100

87 32.8 26.6 40.0



#3

Chloromethane

Concen: 105.089 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016787.D

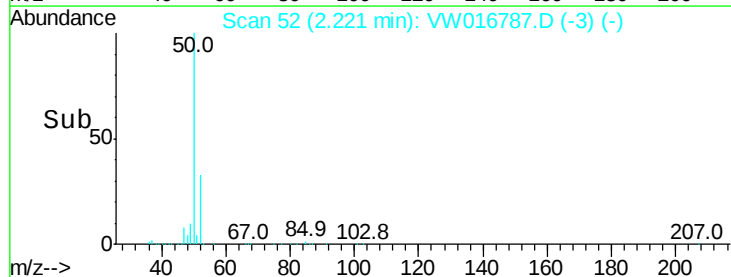
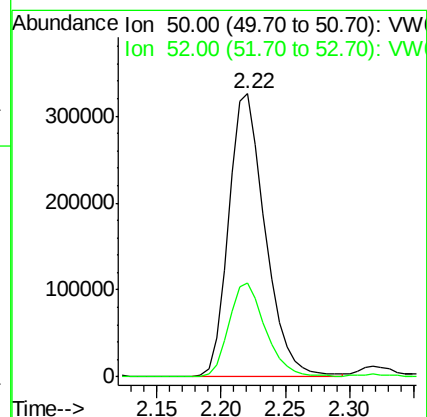
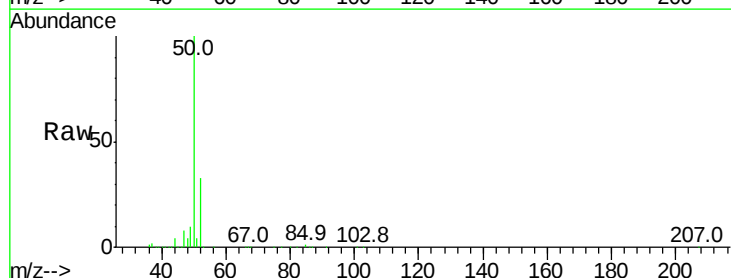
Acq: 06 Oct 2020 08:23

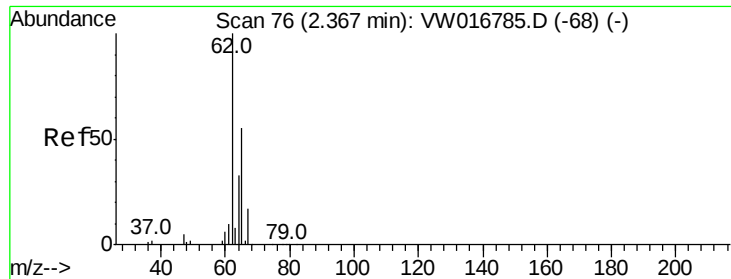
Tgt Ion: 50 Resp: 643710

Ion Ratio Lower Upper

50 100

52 33.2 22.7 42.1





#5

Vinyl chloride

Concen: 91.428 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

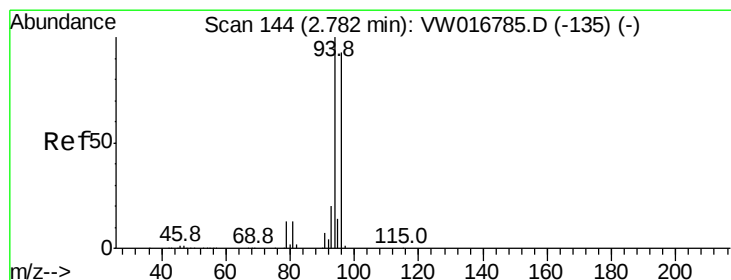
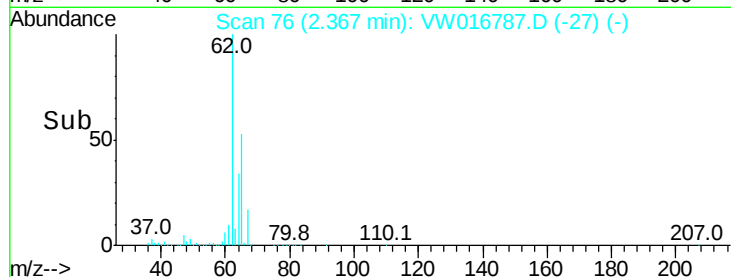
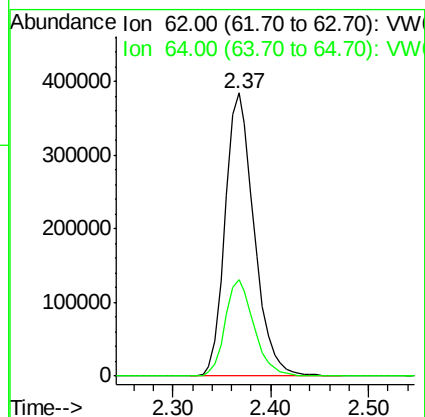
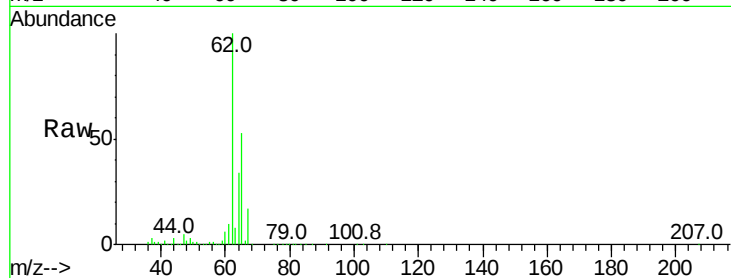
VSTD100105

Tgt Ion: 62 Resp: 789149

Ion Ratio Lower Upper

62 100

64 33.9 23.1 42.9



#6

Bromomethane

Concen: 97.654 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016787.D

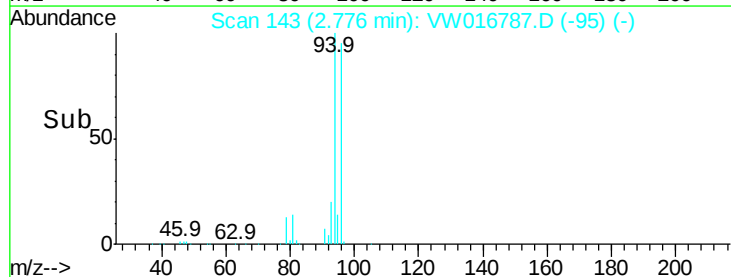
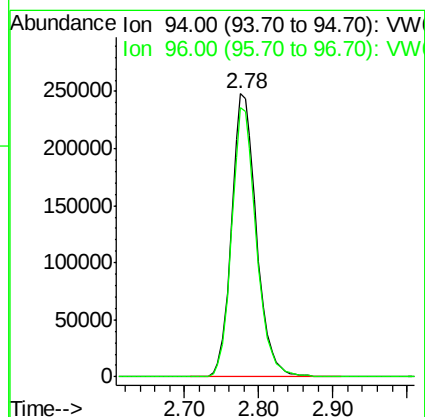
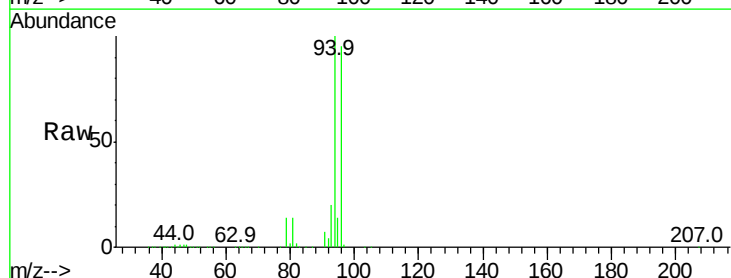
Acq: 06 Oct 2020 08:23

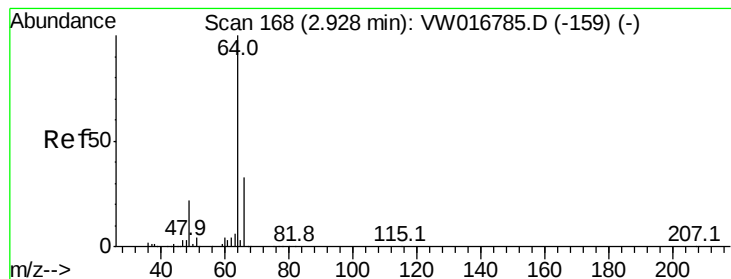
Tgt Ion: 94 Resp: 579407

Ion Ratio Lower Upper

94 100

96 95.4 65.2 121.0





#8

Chloroethane

Concen: 98.414 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

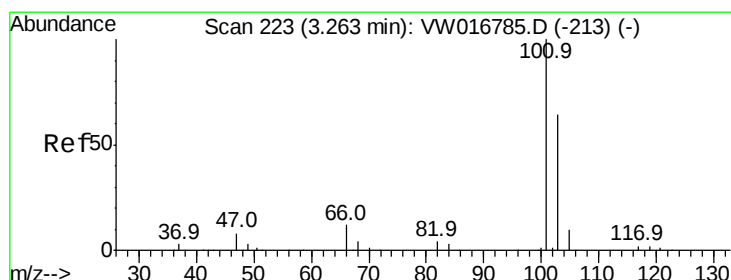
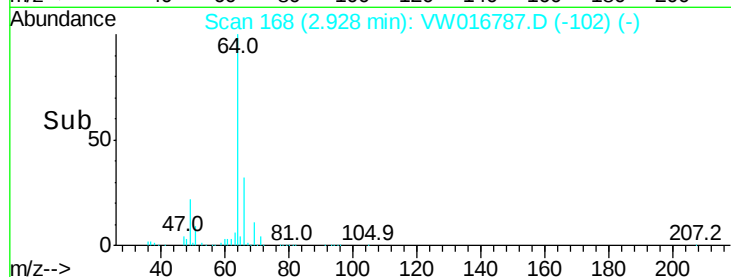
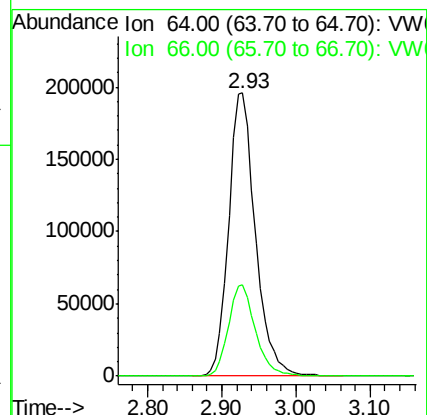
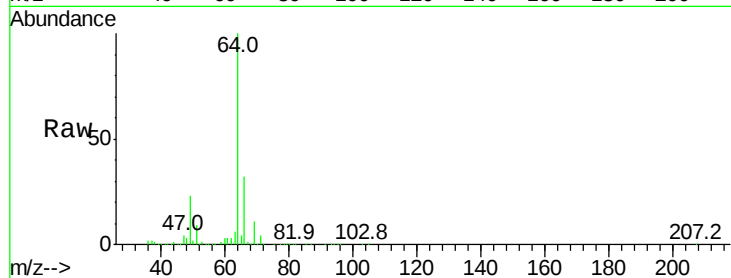
VSTD100105

Tgt Ion: 64 Resp: 492607

Ion Ratio Lower Upper

64 100

66 32.2 23.0 42.8



#9

Trichlorofluoromethane

Concen: 87.838 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016787.D

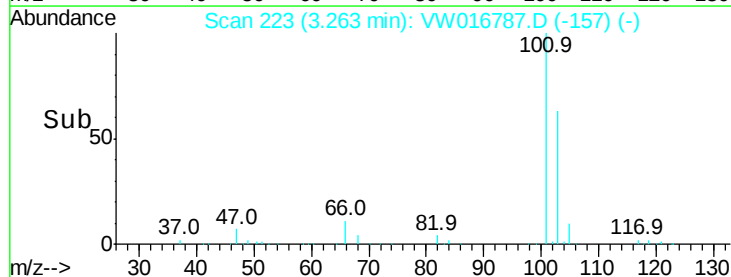
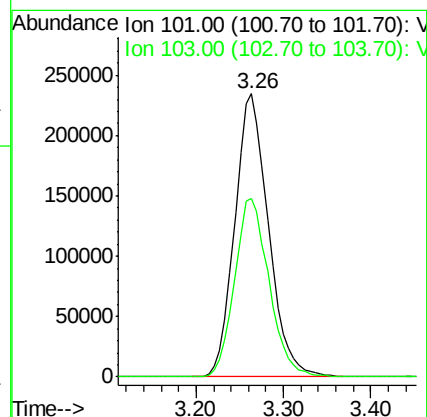
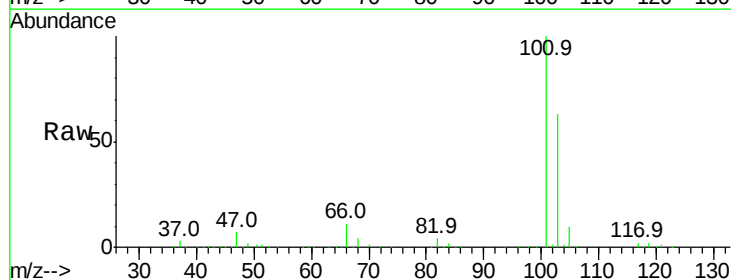
Acq: 06 Oct 2020 08:23

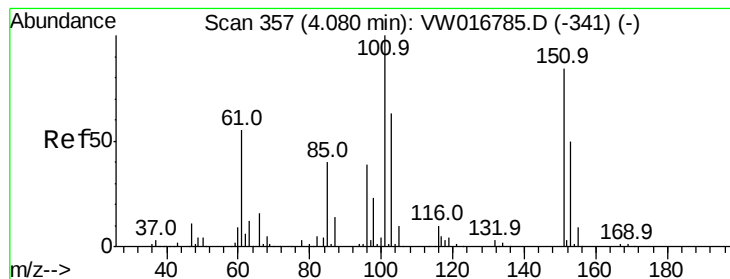
Tgt Ion: 101 Resp: 629014

Ion Ratio Lower Upper

101 100

103 64.5 52.6 78.8





#10

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

Concen: 97.719 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

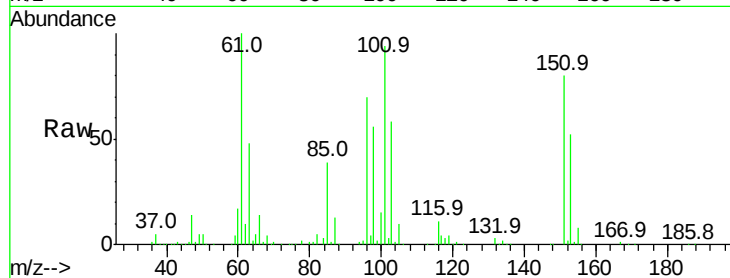
Tgt Ion: 101 Resp: 767582

Ion Ratio Lower Upper

101 100

85 41.0 33.2 49.8

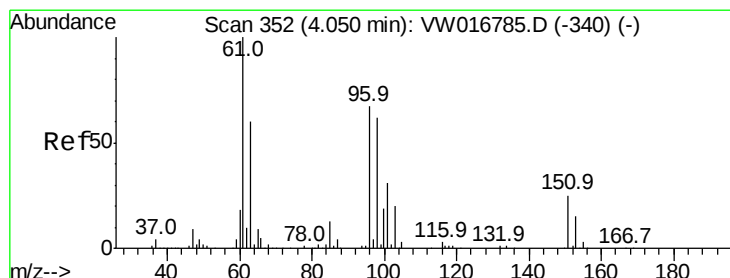
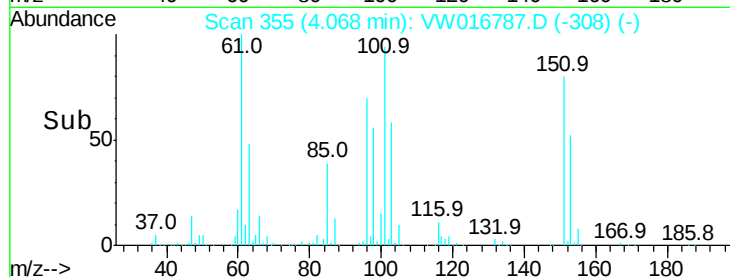
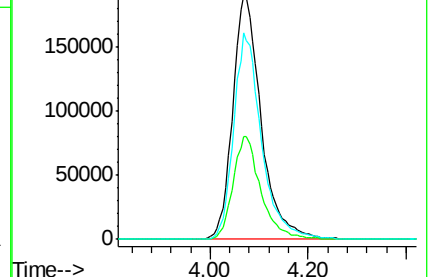
151 82.7 67.5 101.3



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: 97.814 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

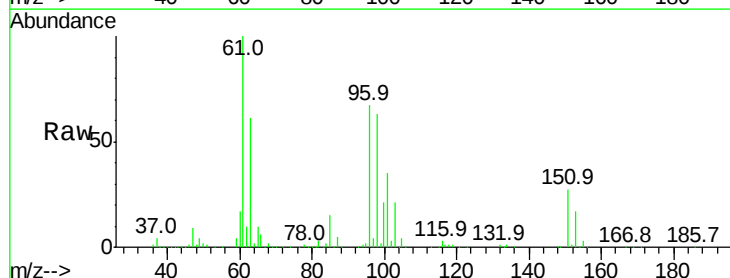
Tgt Ion: 96 Resp: 764645

Ion Ratio Lower Upper

96 100

61 148.6 104.9 194.9

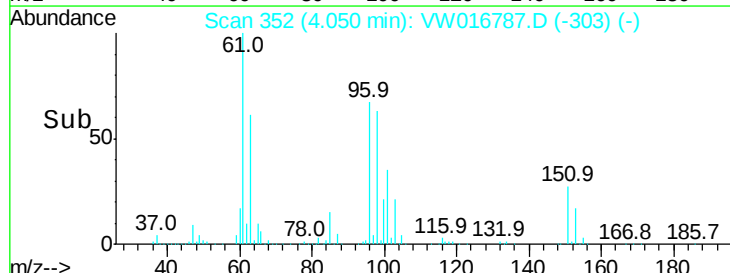
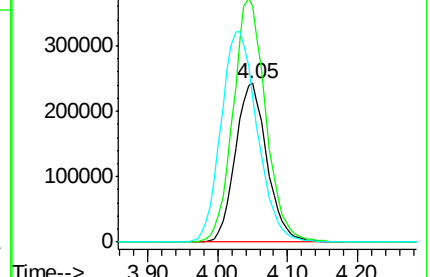
63 91.3 65.9 122.3

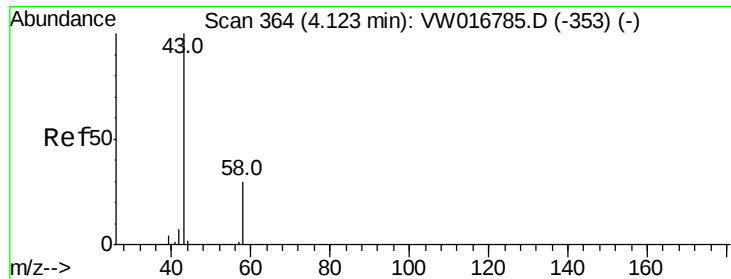


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 202.740 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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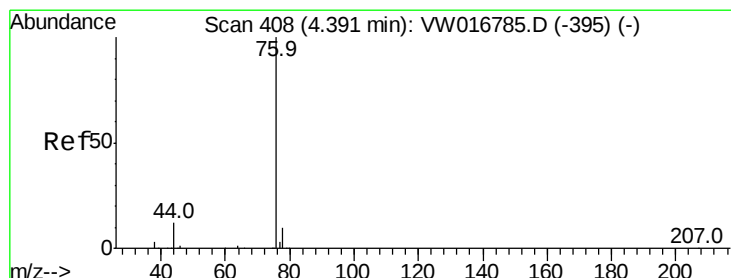
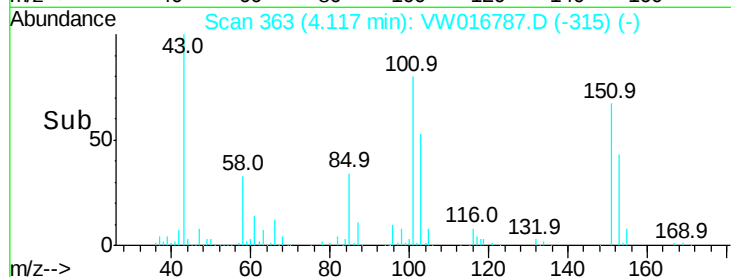
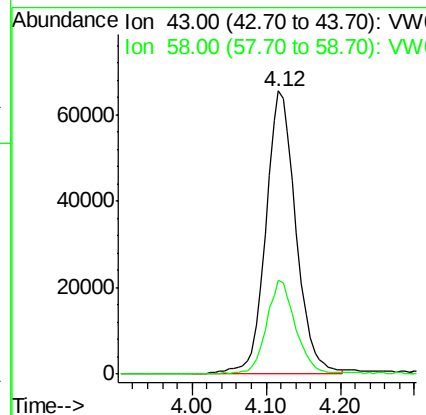
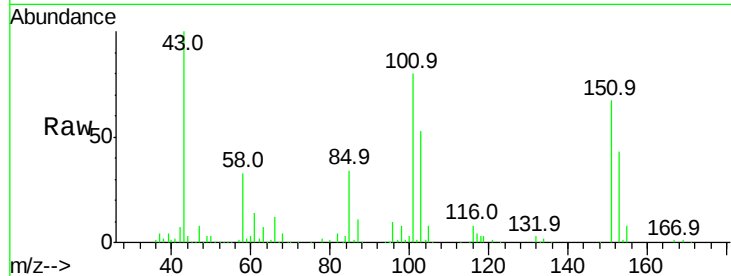
VSTD100105

Tgt Ion: 43 Resp: 185310

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



#14

Carbon disulfide

Concen: 91.926 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016787.D

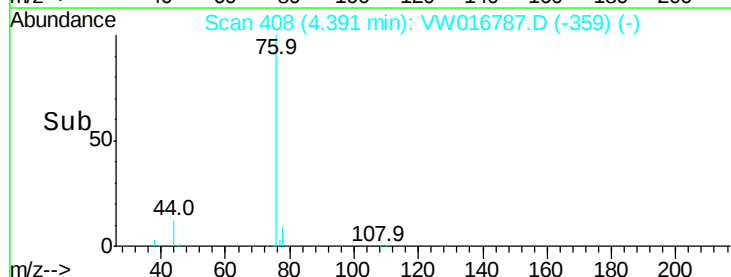
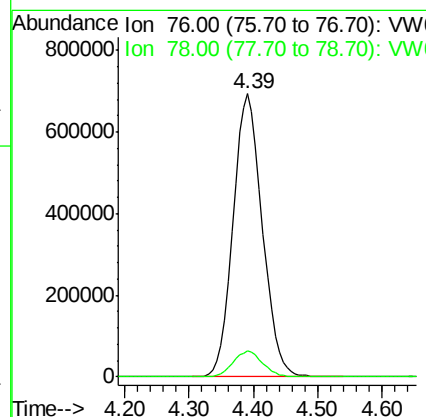
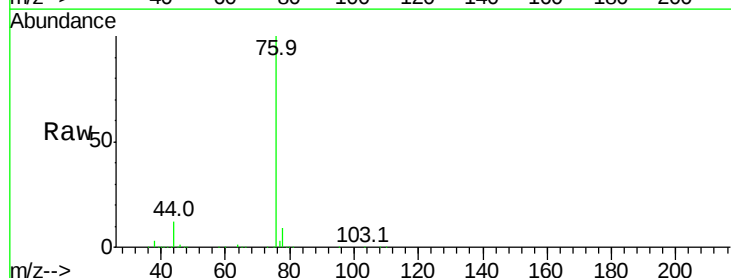
Acq: 06 Oct 2020 08:23

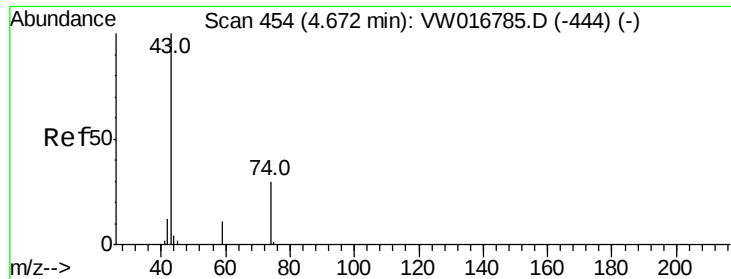
Tgt Ion: 76 Resp: 2196446

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 107.241 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

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ClientSampleId :

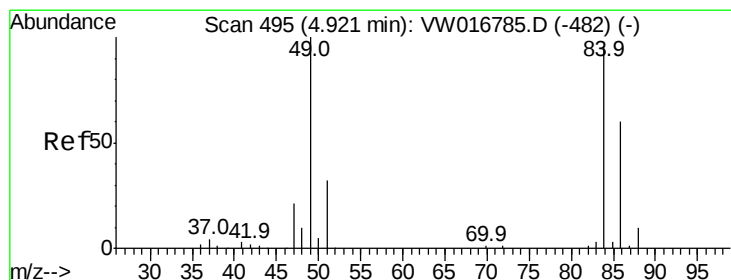
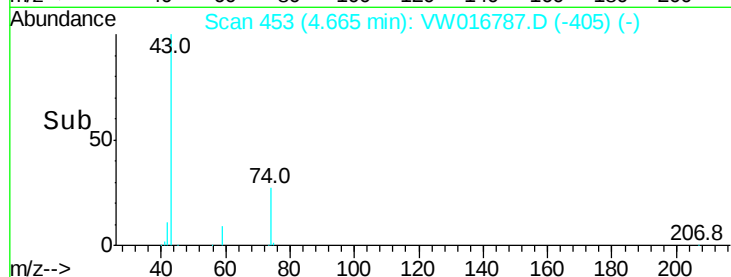
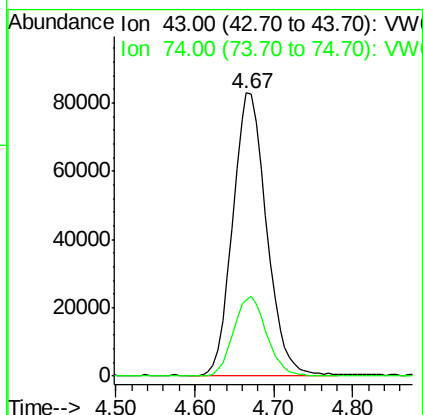
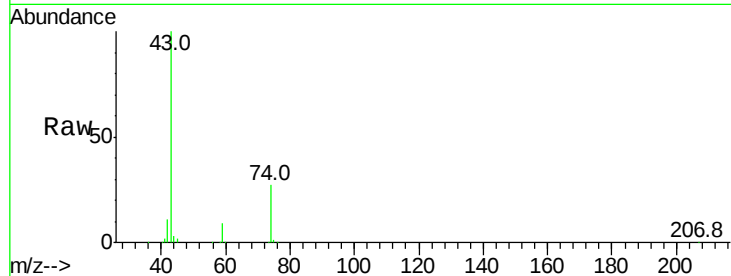
VSTD100105

Tgt Ion: 43 Resp: 246055

Ion Ratio Lower Upper

43 100

74 27.6 22.7 34.1



#16

Methylene chloride

Concen: 78.354 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

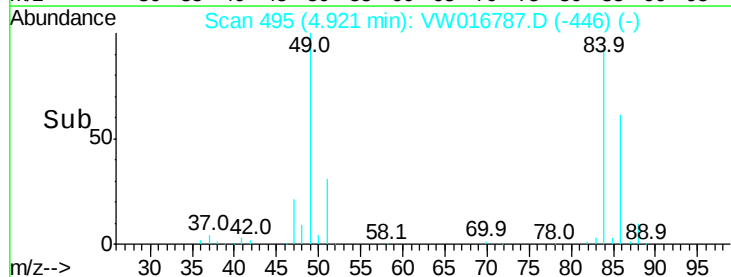
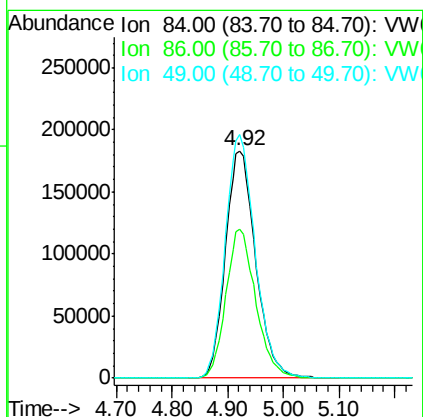
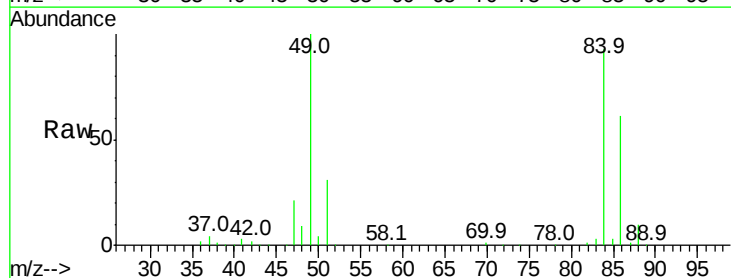
Tgt Ion: 84 Resp: 689371

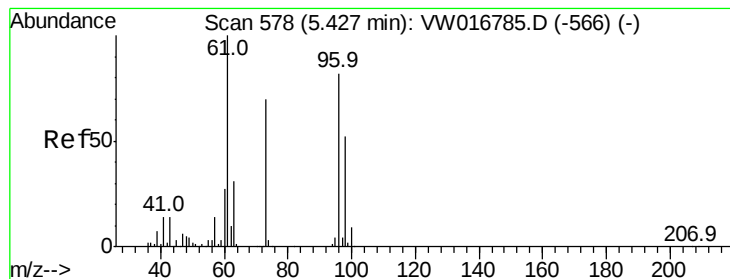
Ion Ratio Lower Upper

84 100

86 65.4 44.3 82.3

49 107.2 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 96.257 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

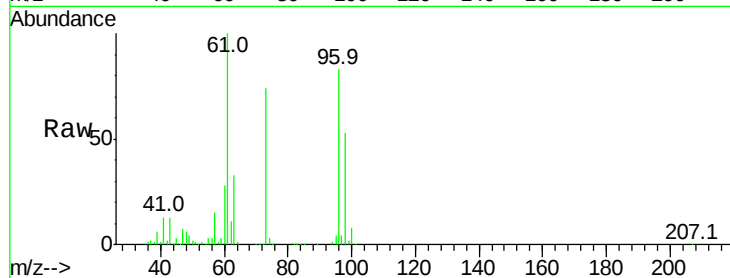
Tgt Ion: 96 Resp: 778952

Ion Ratio Lower Upper

96 100

61 121.0 85.3 158.5

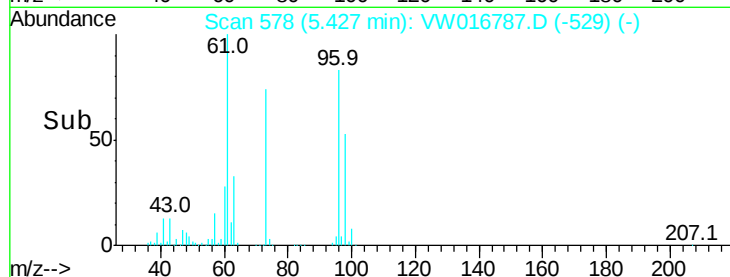
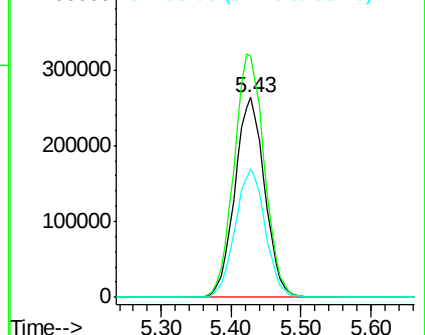
98 64.3 44.1 81.9



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



#18

Methyl tert-butyl Ether

Concen: 92.083 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

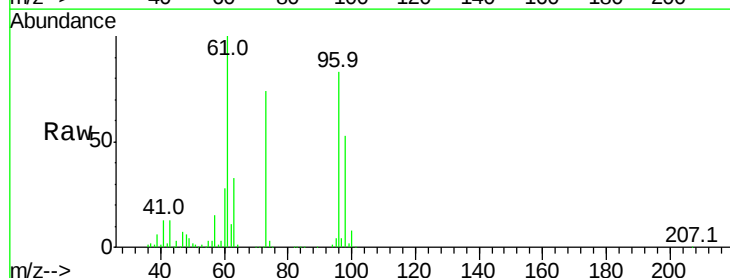
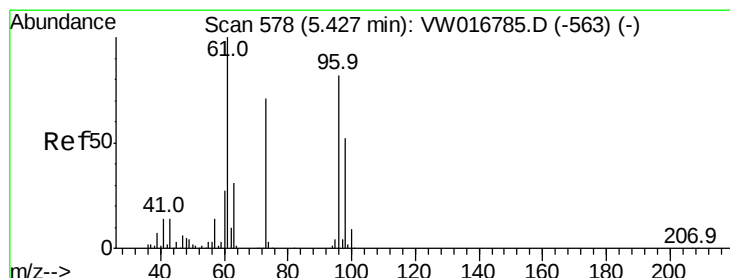
Tgt Ion: 73 Resp: 808197

Ion Ratio Lower Upper

73 100

43 18.6 14.9 22.3

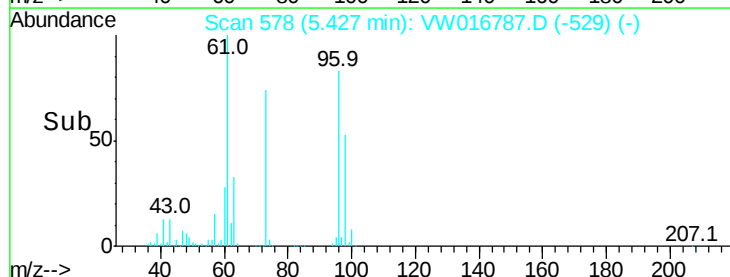
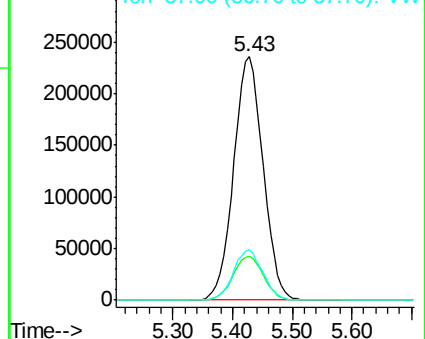
57 20.6 16.4 24.6

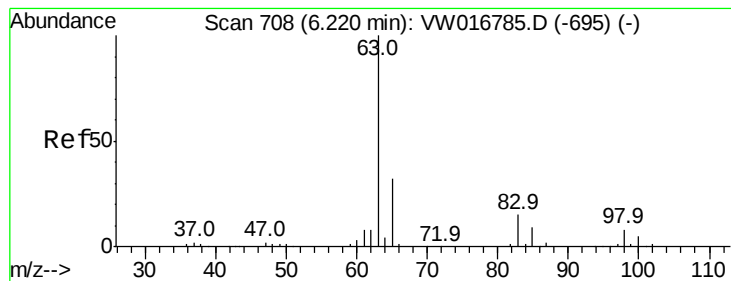


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 95.620 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

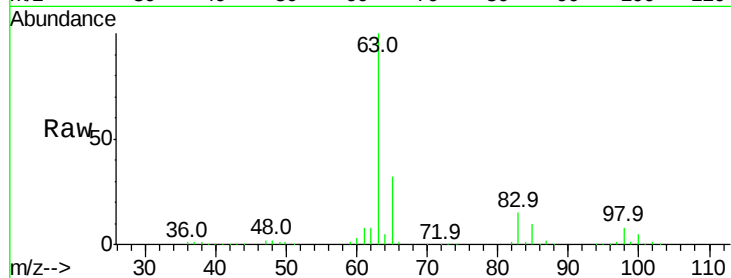
Tgt Ion: 63 Resp: 1202913

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

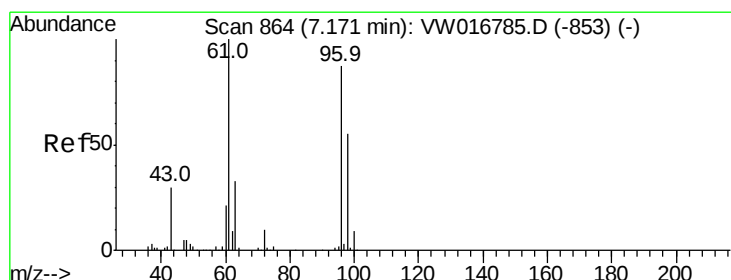
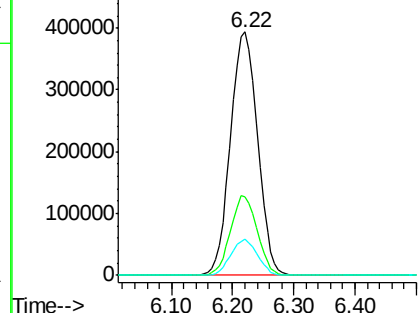
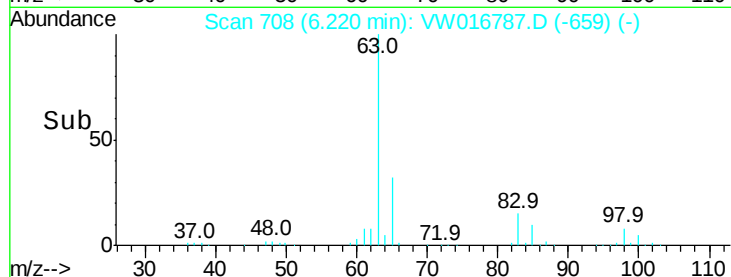
83 14.8 10.2 19.0



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



#20

cis-1,2-Dichloroethene

Concen: 96.256 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

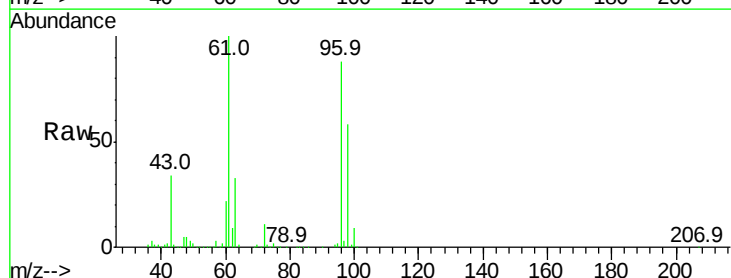
Tgt Ion: 96 Resp: 798434

Ion Ratio Lower Upper

96 100

61 113.8 80.3 149.1

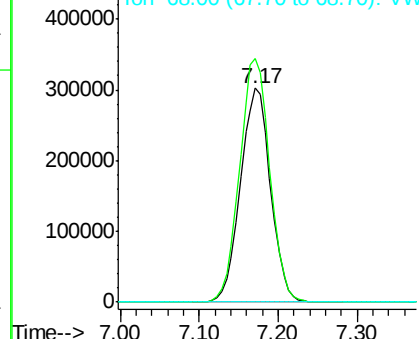
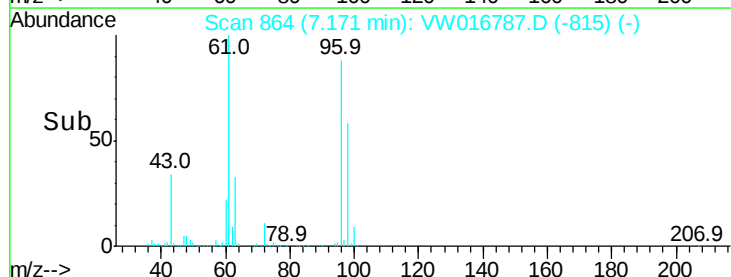
68 0.0 0.0 0.0

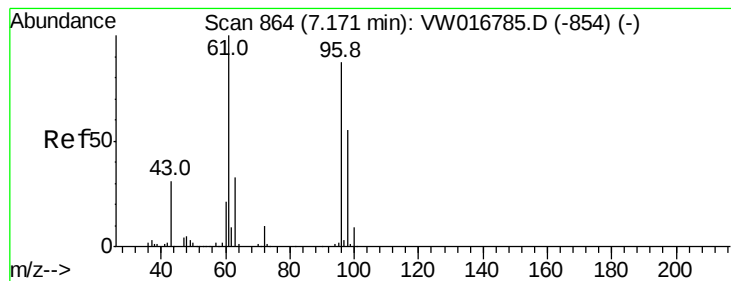


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 195.693 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

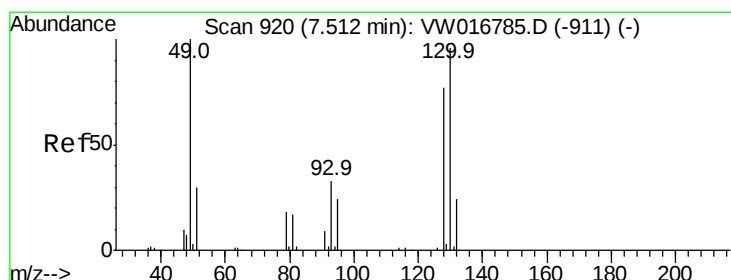
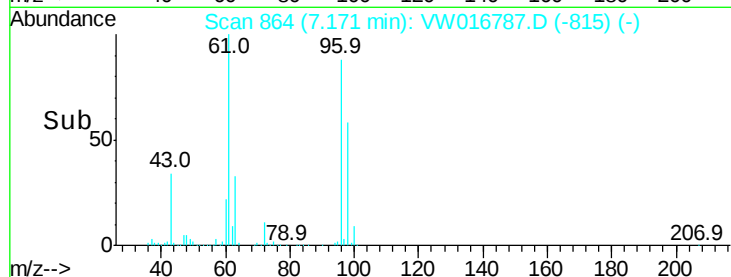
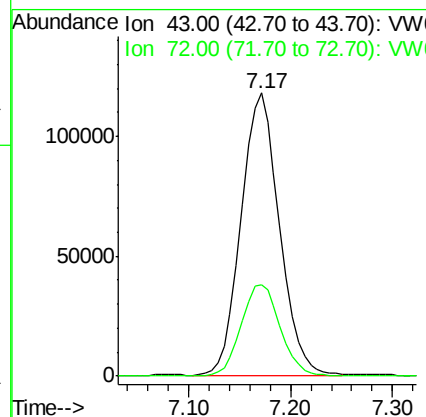
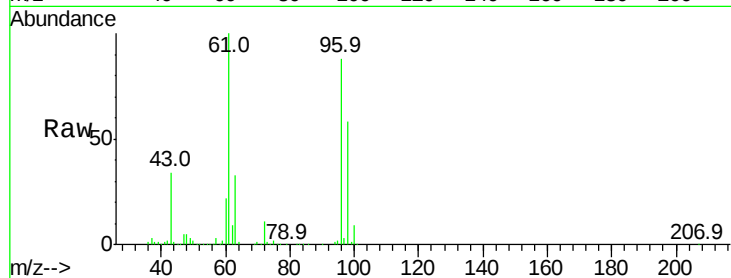
VSTD100105

Tgt Ion: 43 Resp: 307107

Ion Ratio Lower Upper

43 100

72 33.3 15.7 47.1



#23

Bromochloromethane

Concen: 96.899 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Tgt Ion: 128 Resp: 377619

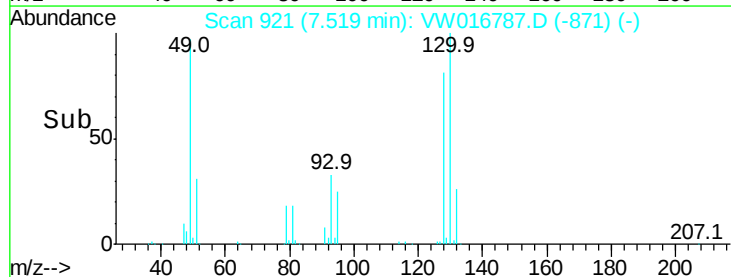
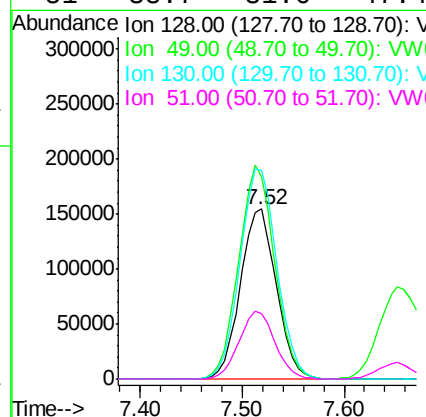
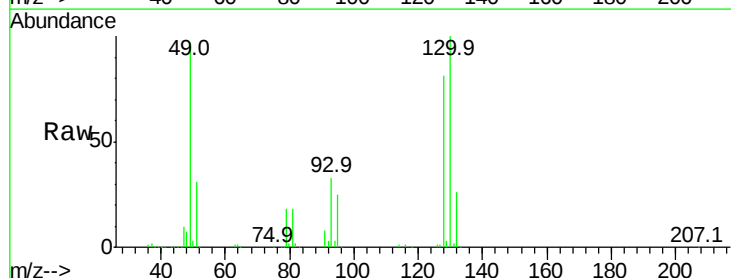
Ion Ratio Lower Upper

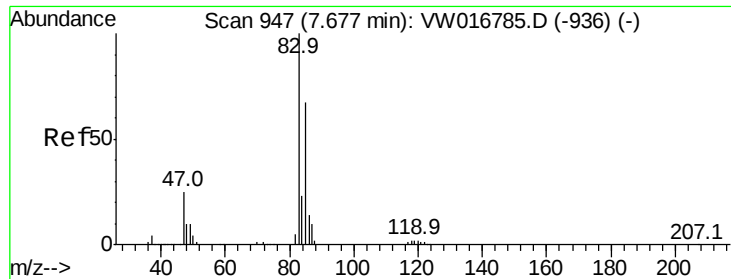
128 100

49 119.2 91.1 169.3

130 123.0 87.6 162.6

51 38.7 31.6 47.4





#25

Chloroform

Concen: 95.189 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

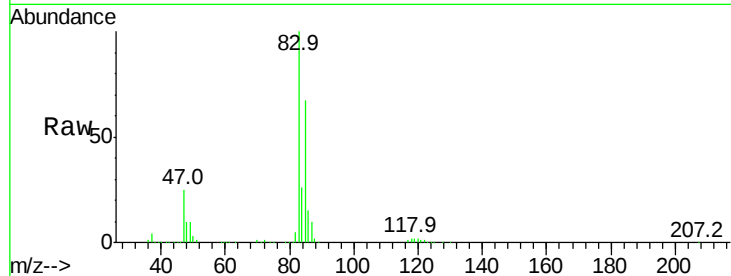
VSTD100105

Tgt Ion: 83 Resp: 1284874

Ion Ratio Lower Upper

83 100

85 66.9 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

600000

500000

400000

300000

200000

100000

0

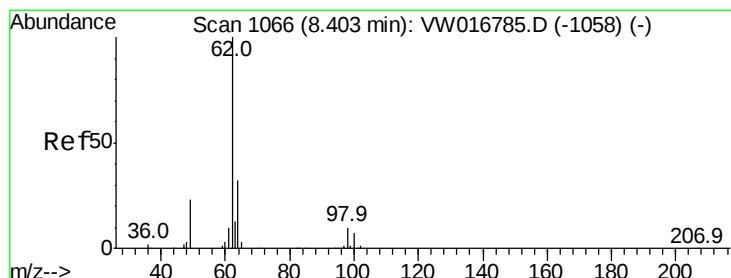
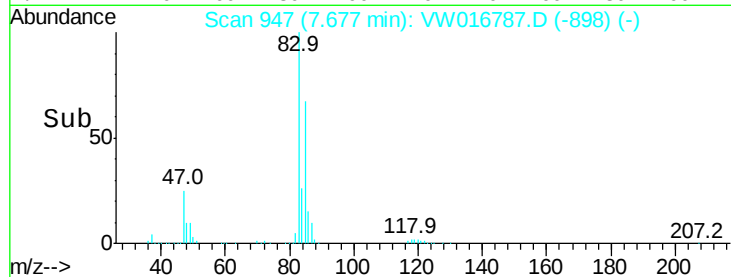
7.60

7.68

7.70

7.80

Time-->



#27

1,2-Dichloroethane

Concen: 96.528 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016787.D

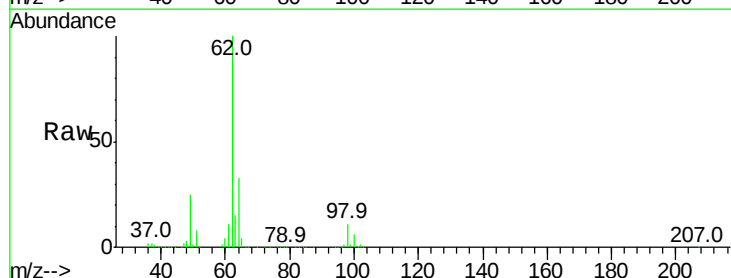
Acq: 06 Oct 2020 08:23

Tgt Ion: 62 Resp: 769610

Ion Ratio Lower Upper

62 100

98 10.5 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

400000

300000

200000

100000

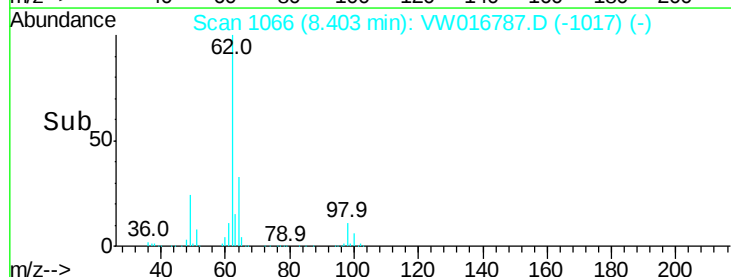
0

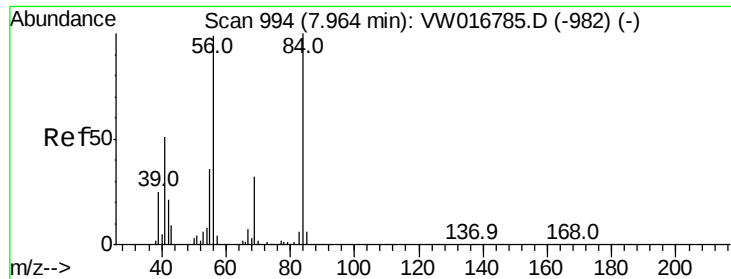
8.30

8.40

8.50

Time-->

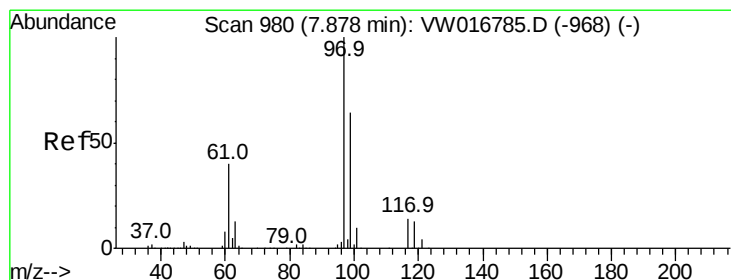
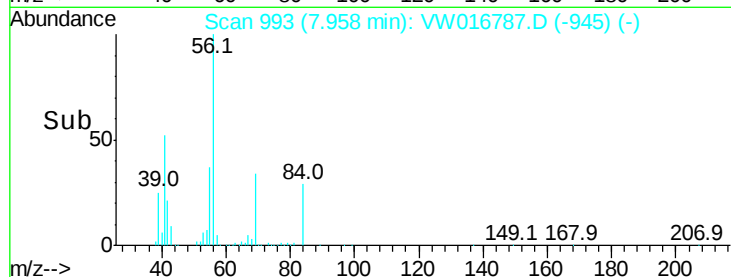
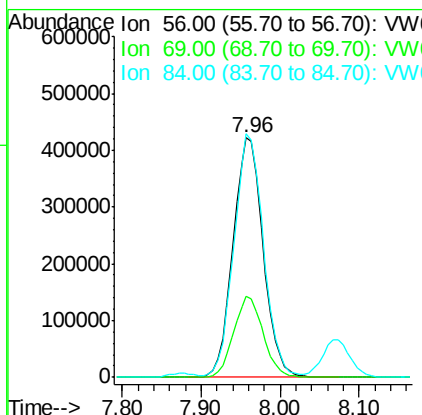
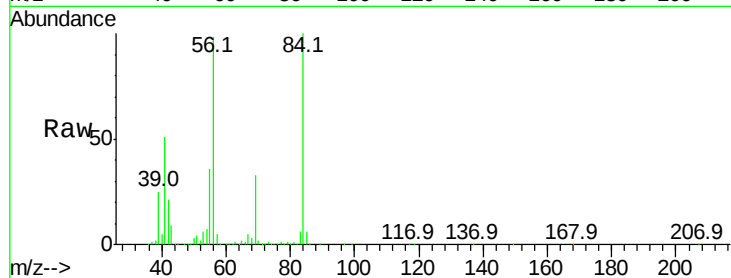




#29
Cyclohexane
Concen: 95.938 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

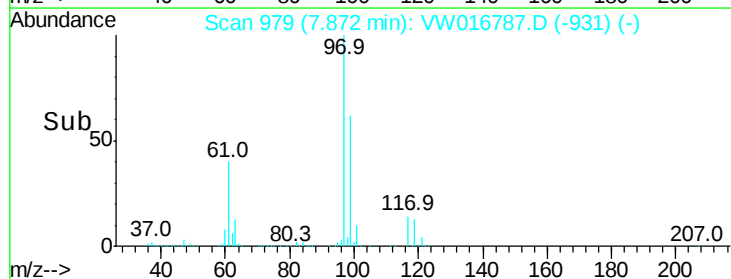
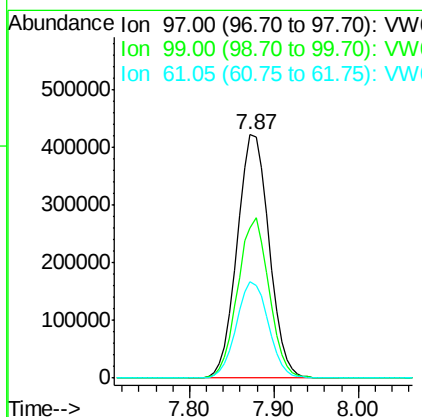
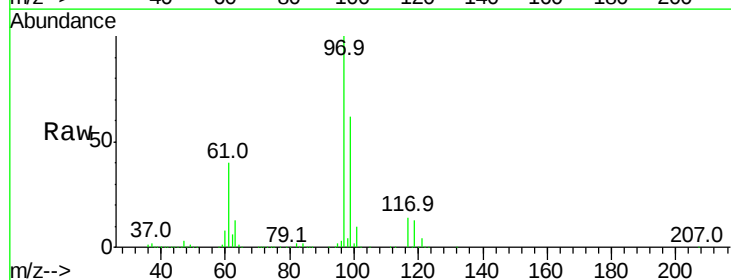
Instrument :
MSVOA_W
ClientSampleId :
VSTD100105

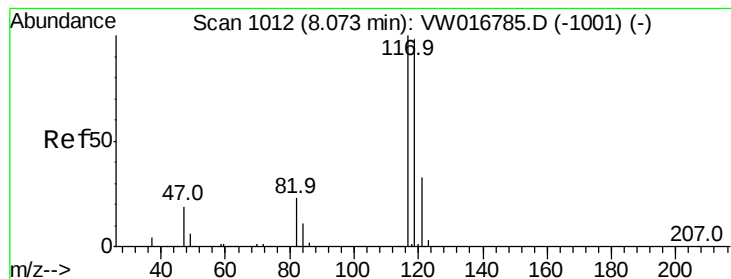
Tgt Ion: 56 Resp: 1117037
Ion Ratio Lower Upper
56 100
69 33.2 26.3 39.5
84 100.1 81.1 121.7



#30
1,1,1-Trichloroethane
Concen: 90.491 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

Tgt Ion: 97 Resp: 1082835
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 39.7 32.2 48.2





#31

Carbon tetrachloride

Concen: 92.885 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

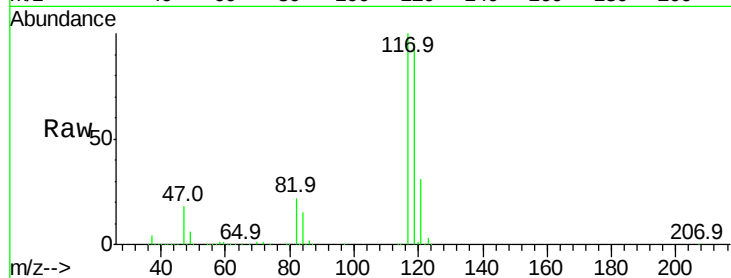
VSTD100105

Tgt Ion:117 Resp: 1097635

Ion Ratio Lower Upper

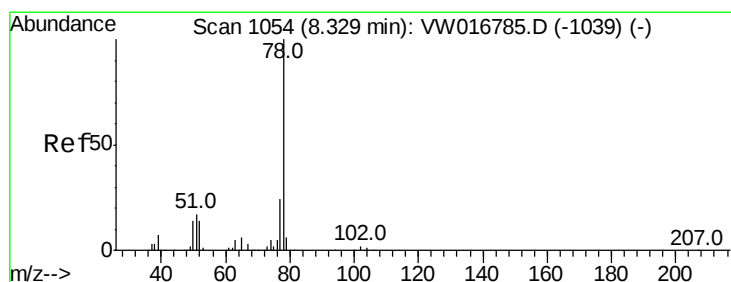
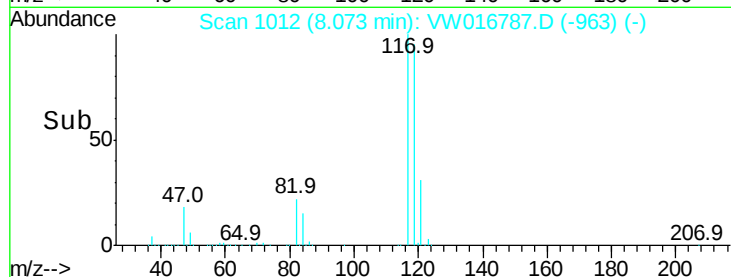
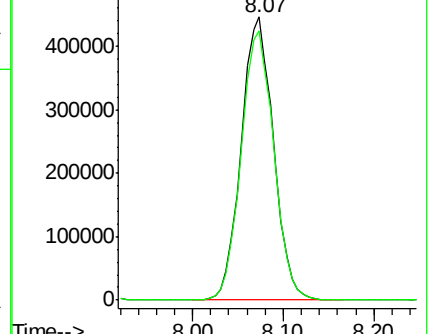
117 100

119 96.5 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 92.293 ug/L

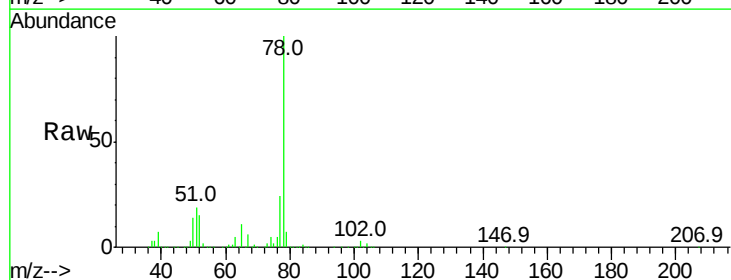
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

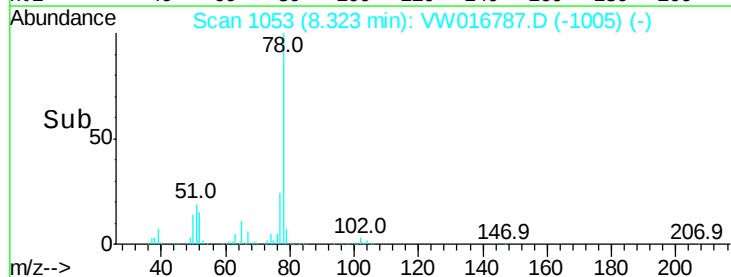
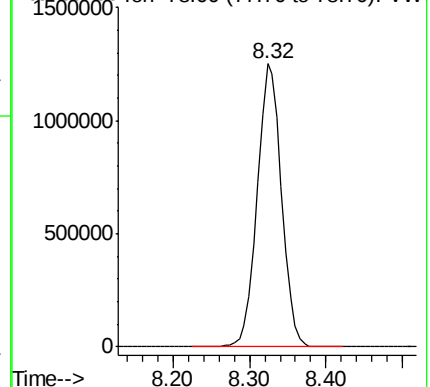
Lab File: VW016787.D

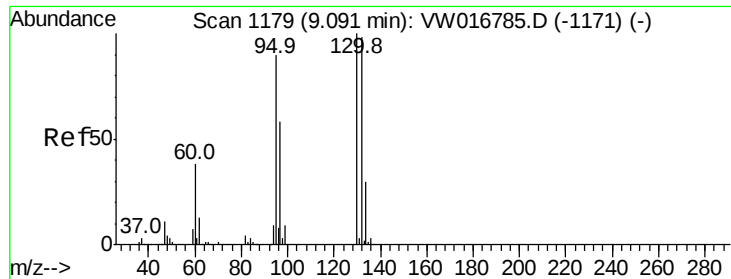
Acq: 06 Oct 2020 08:23

Tgt Ion: 78 Resp: 2767497



Abundance Ion 78.00 (77.70 to 78.70): VW





#34

Trichloroethene

Concen: 94.911 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

Tgt Ion: 95 Resp: 802091

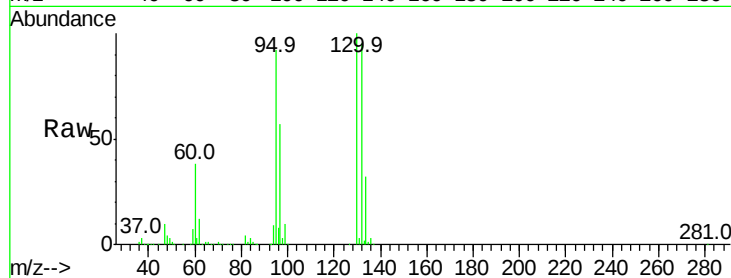
Ion Ratio Lower Upper

95 100

97 62.0 45.5 84.5

132 103.1 76.4 142.0

130 108.6 77.9 144.7

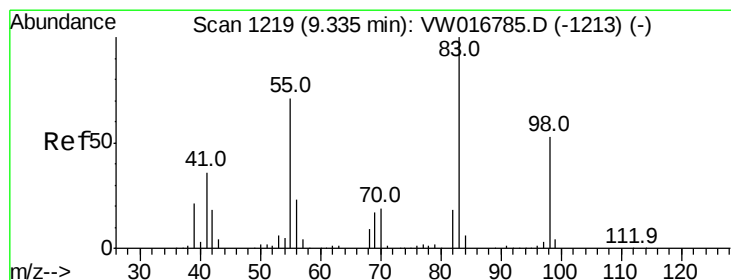
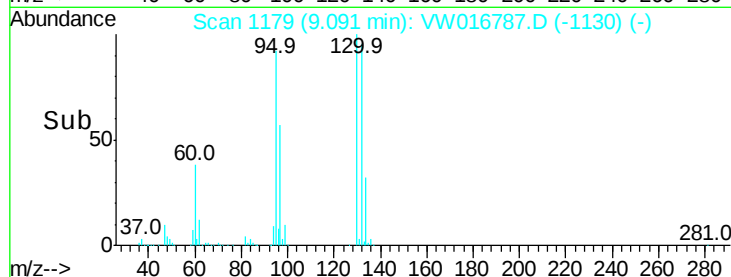
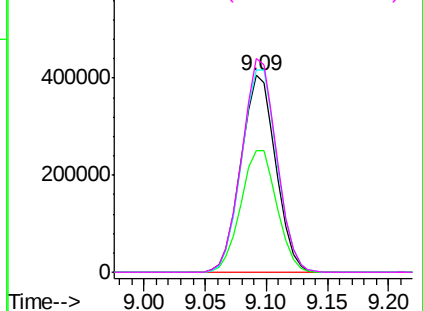


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#35

Methylcyclohexane

Concen: 96.257 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

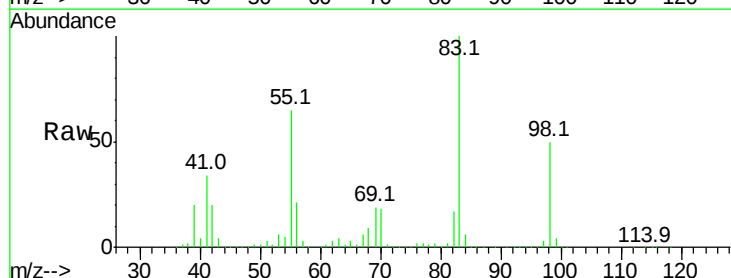
Tgt Ion: 83 Resp: 1378668

Ion Ratio Lower Upper

83 100

55 67.4 55.4 83.2

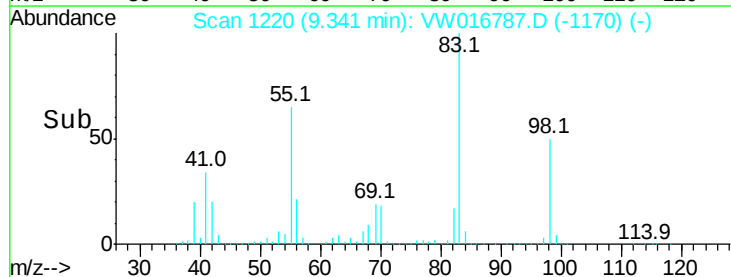
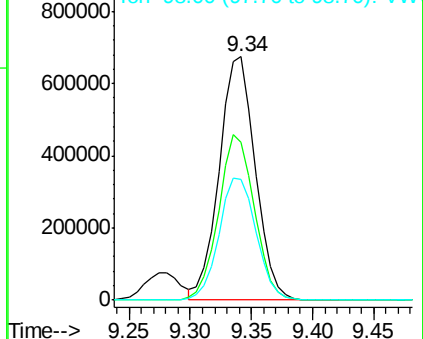
98 51.7 41.6 62.4

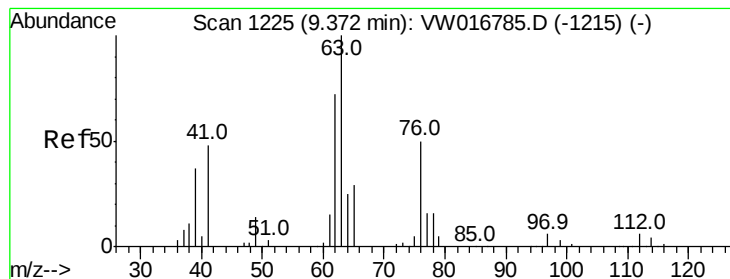


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 93.110 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampled :

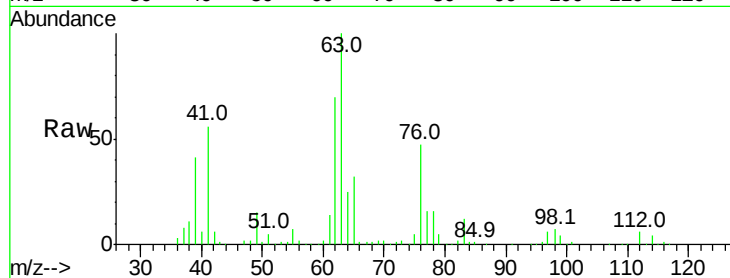
VSTD100105

Tgt Ion: 63 Resp: 633369

Ion Ratio Lower Upper

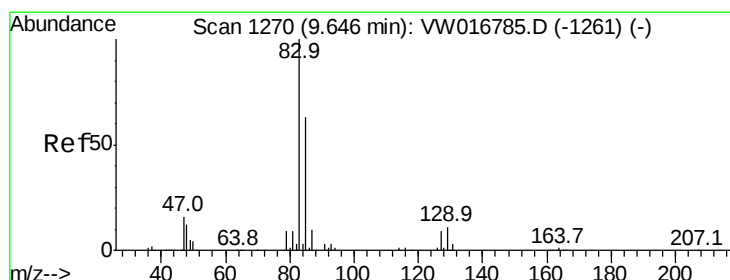
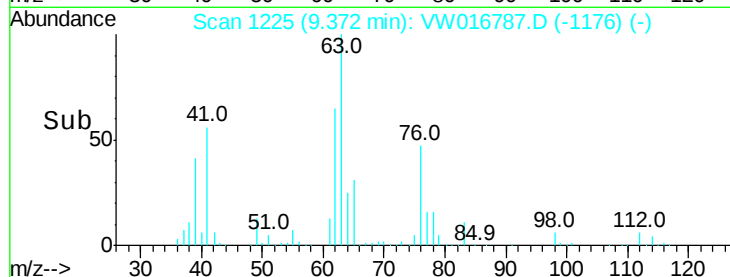
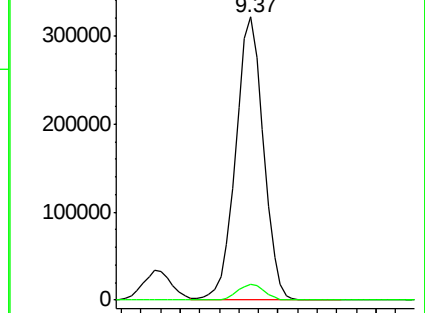
63 100

112 5.5 4.6 7.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 97.148 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

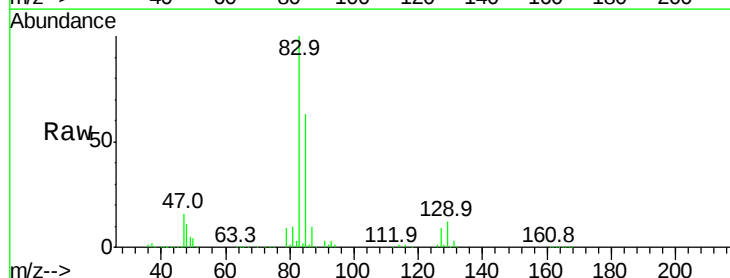
Tgt Ion: 83 Resp: 926777

Ion Ratio Lower Upper

83 100

85 62.6 44.2 82.0

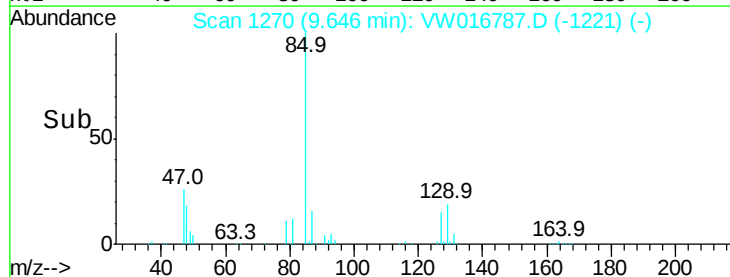
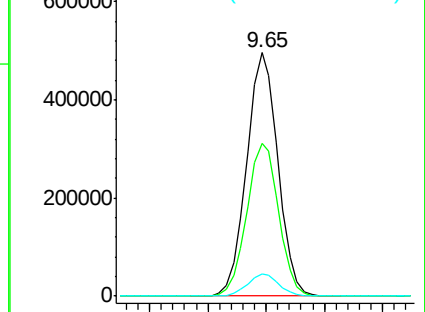
127 9.3 7.0 10.4

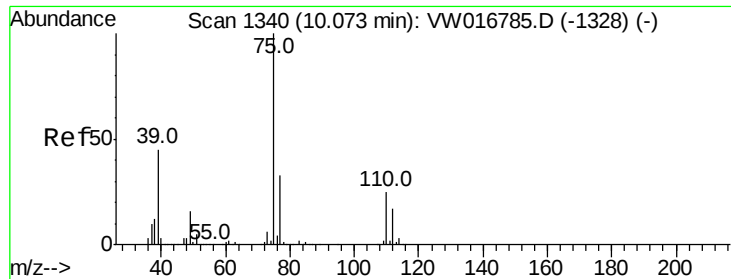


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

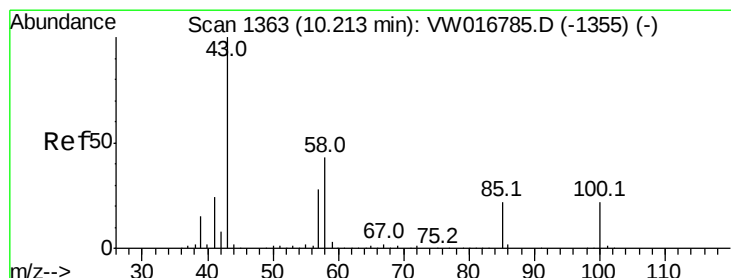
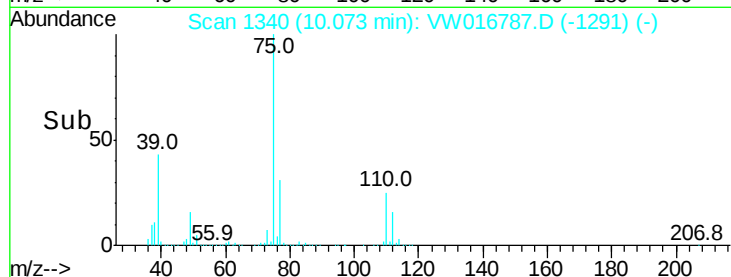
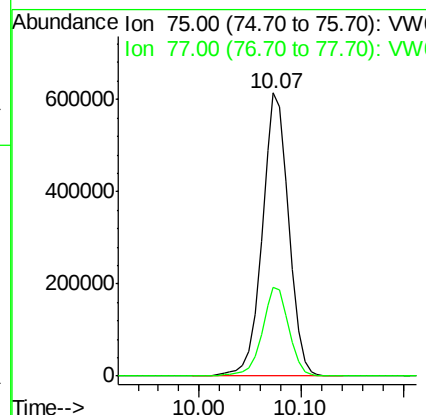
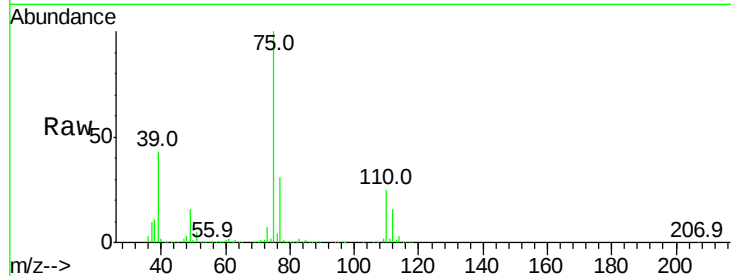




#39
 cis-1,3-Dichloropropene
 Concen: 101.373 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016787.D
 Acq: 06 Oct 2020 08:23

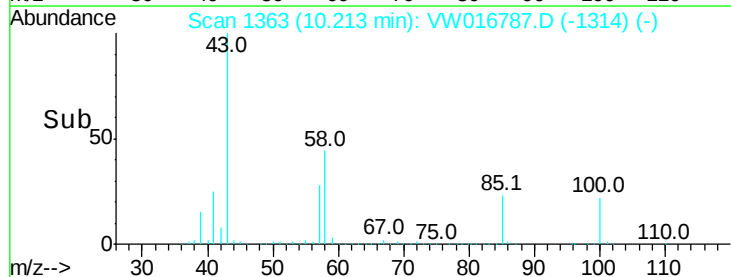
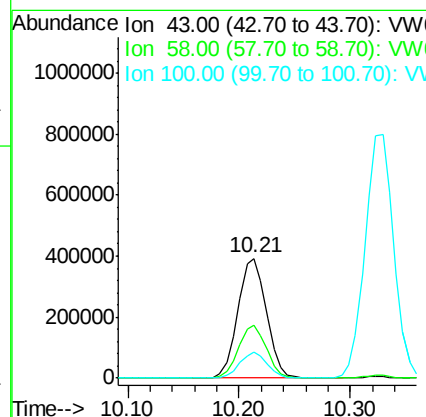
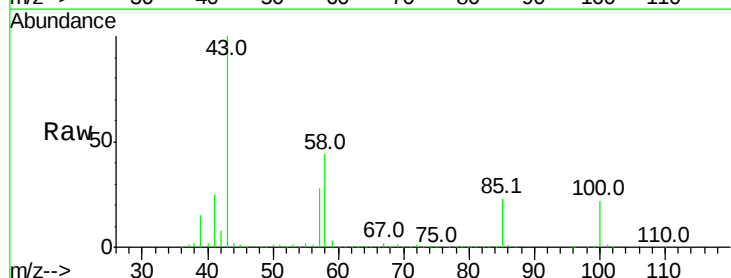
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100105

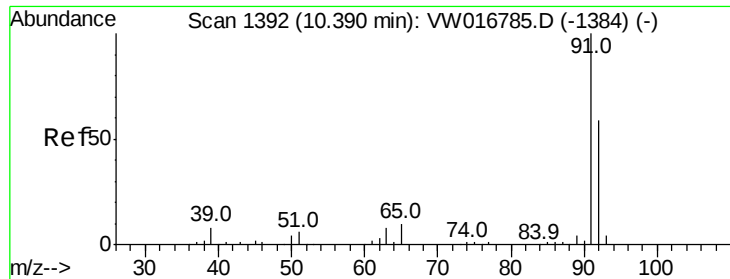
Tgt Ion: 75 Resp: 1107764
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 208.316 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016787.D
 Acq: 06 Oct 2020 08:23

Tgt Ion: 43 Resp: 693561
 Ion Ratio Lower Upper
 43 100
 58 43.4 34.2 51.2
 100 21.1 16.6 25.0





#42

Toluene

Concen: 93.738 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

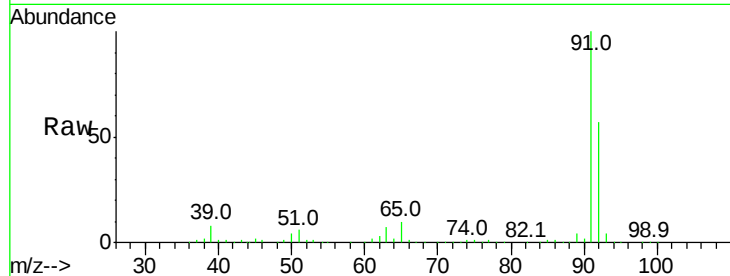
VSTD100105

Tgt Ion: 91 Resp: 3131934

Ion Ratio Lower Upper

91 100

92 57.2 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

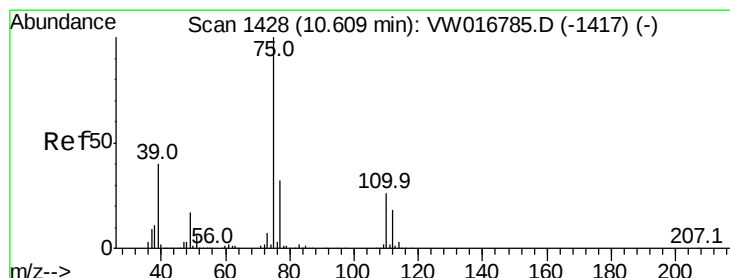
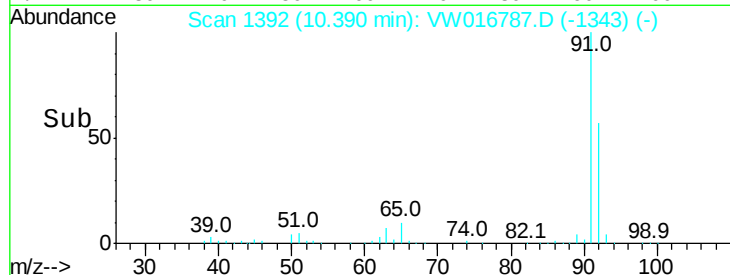
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 103.231 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016787.D

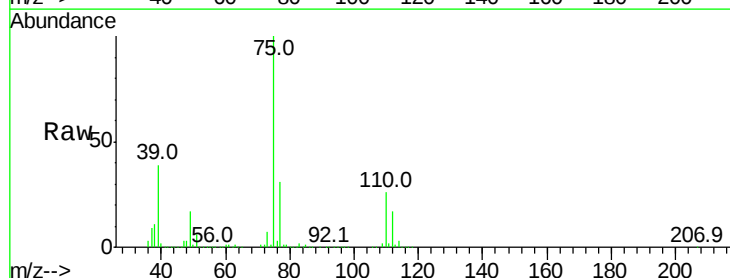
Acq: 06 Oct 2020 08:23

Tgt Ion: 75 Resp: 958070

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

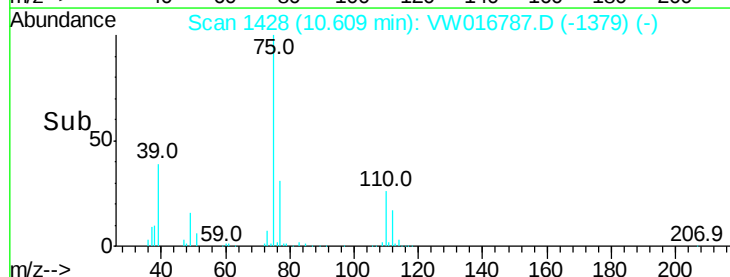
600000

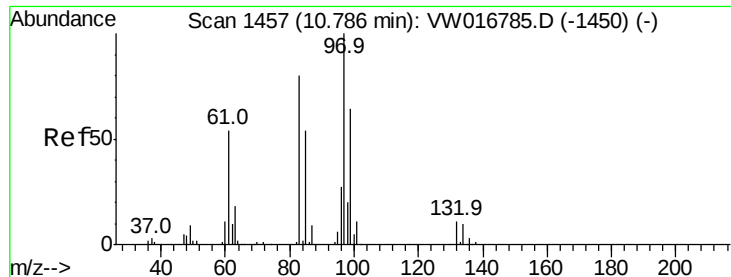
400000

200000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 96.132 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

Tgt Ion: 97 Resp: 523664

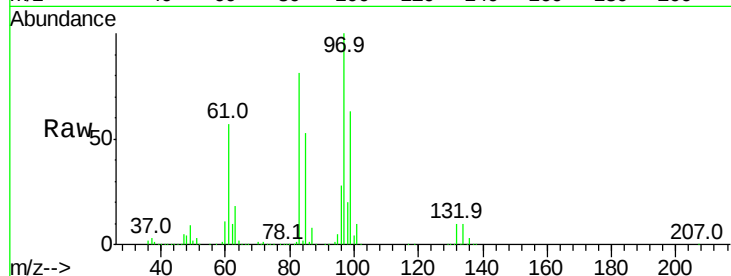
Ion Ratio Lower Upper

97 100

99 62.8 44.9 83.3

83 81.0 55.8 103.6

85 52.9 37.7 69.9

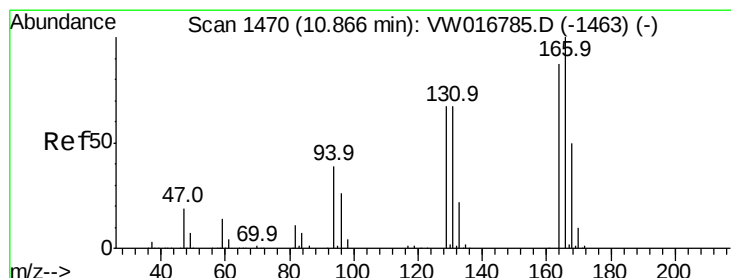
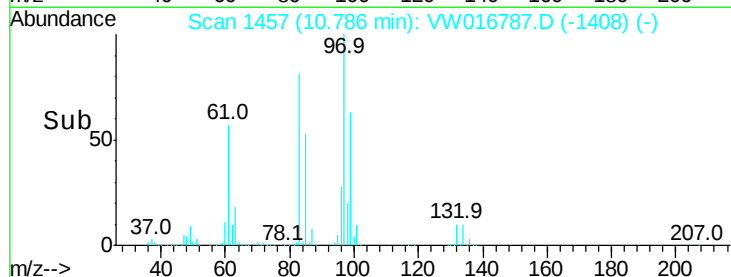
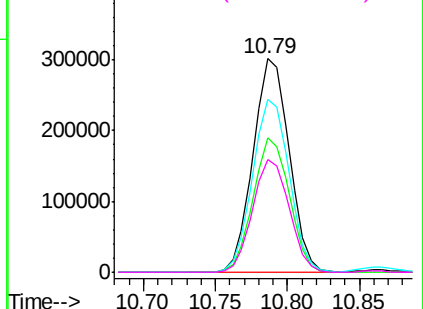


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 92.643 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Tgt Ion: 164 Resp: 716764

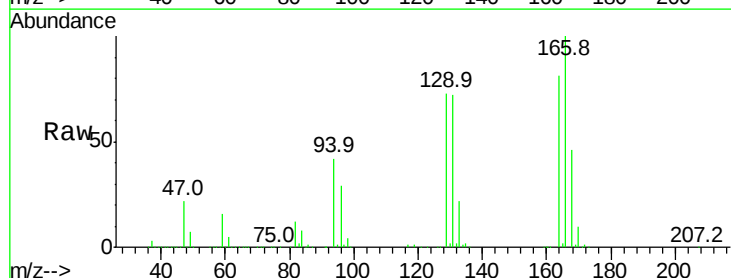
Ion Ratio Lower Upper

164 100

129 90.1 54.2 100.6

131 88.3 54.1 100.5

166 123.2 80.4 149.4

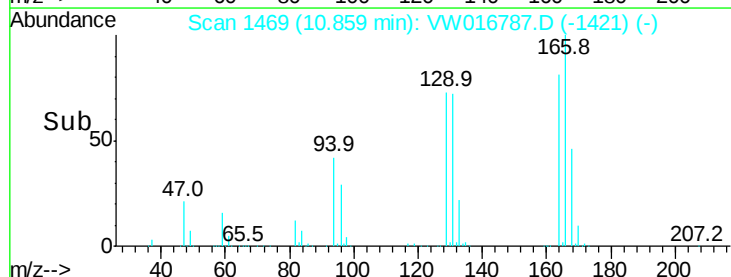
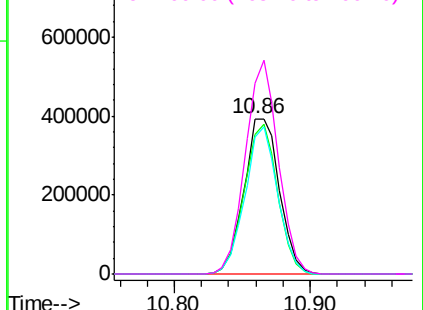


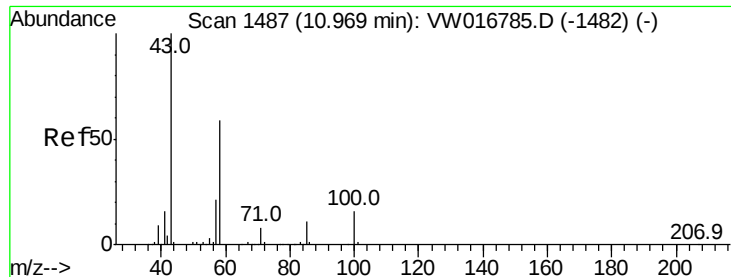
Abundance Ion 164.00 (163.70 to 164.70): V

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

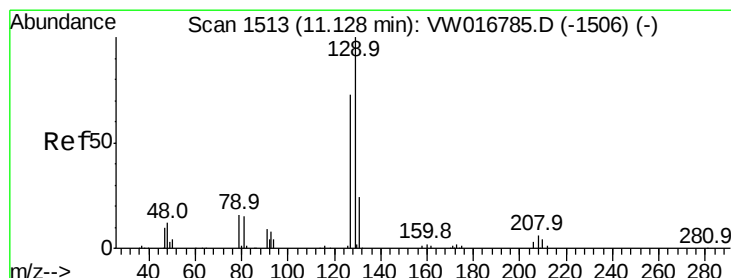
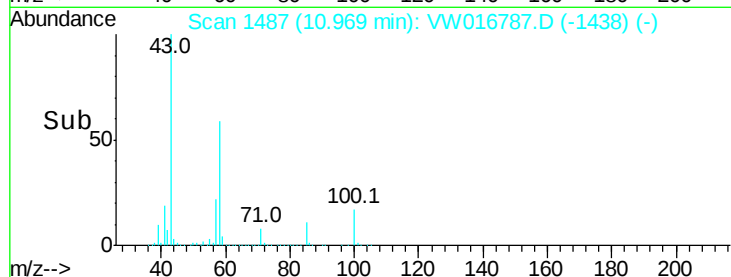
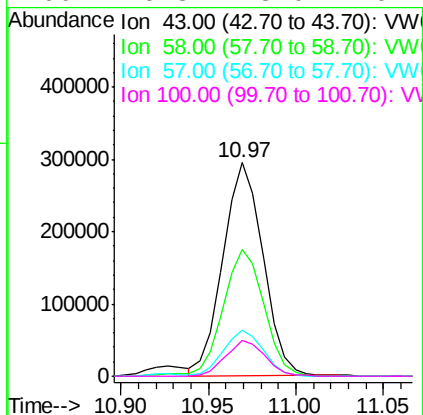
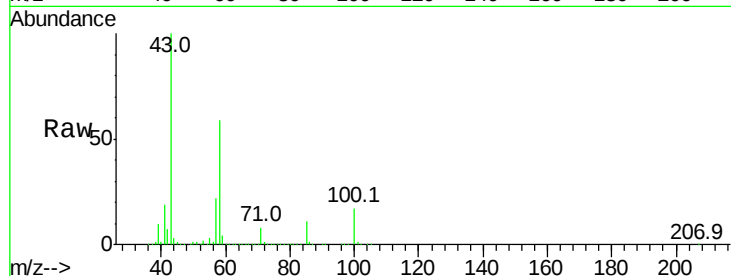




#48
2-Hexanone
Concen: 214.412 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

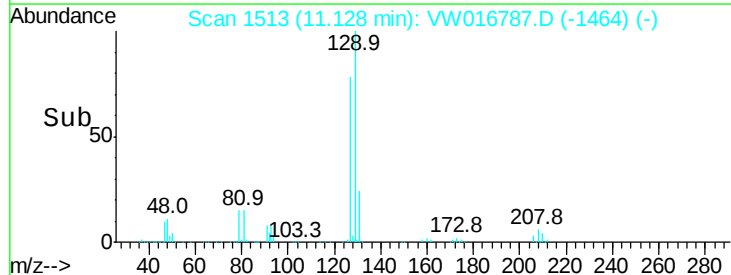
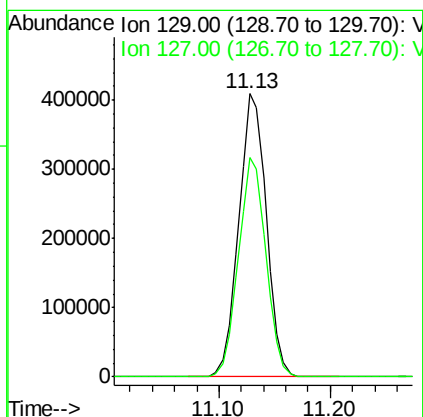
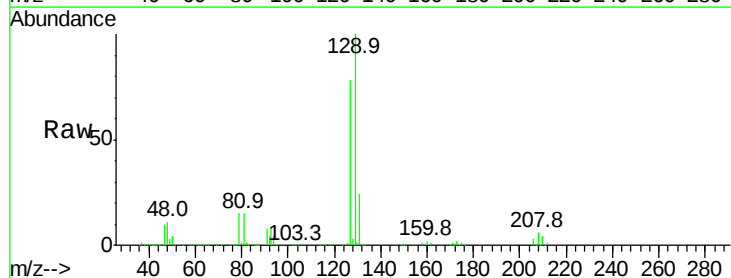
Instrument :
MSVOA_W
ClientSampleId :
VSTD100105

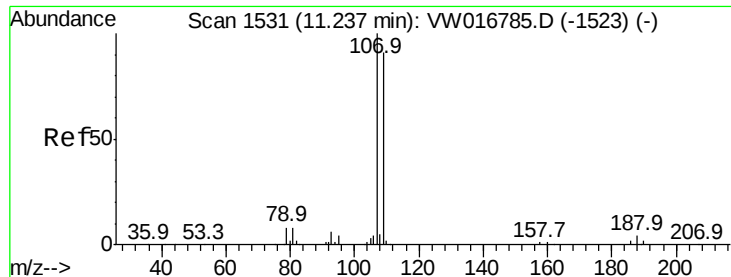
Tgt Ion: 43 Resp: 469088
Ion Ratio Lower Upper
43 100
58 60.5 46.7 70.1
57 21.7 16.9 25.3
100 16.8 13.0 19.4



#49
Dibromochloromethane
Concen: 101.282 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

Tgt Ion: 129 Resp: 701398
Ion Ratio Lower Upper
129 100
127 77.6 50.8 94.4

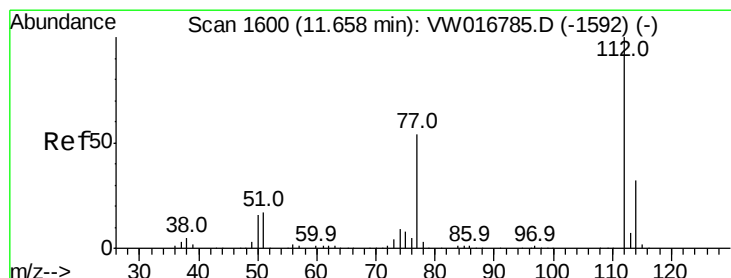
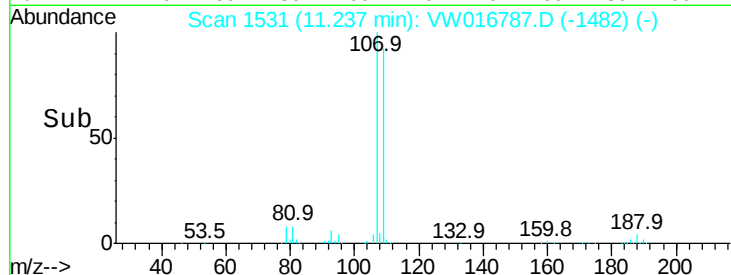
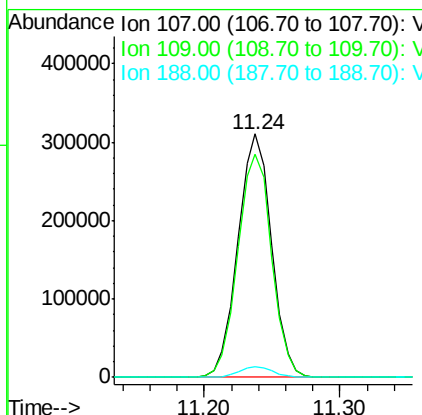
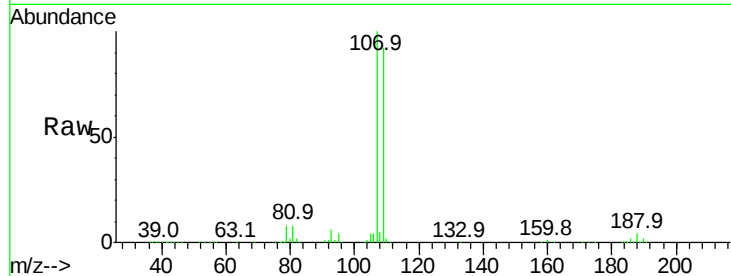




#50
1,2-Dibromoethane
Concen: 100.161 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

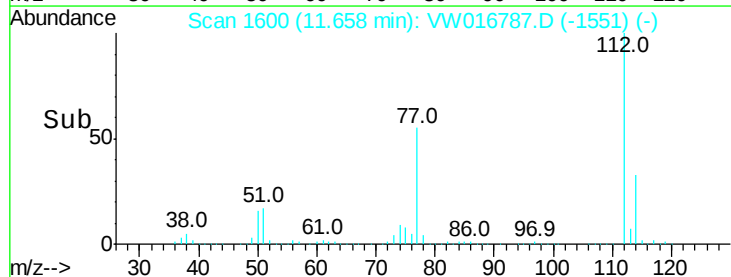
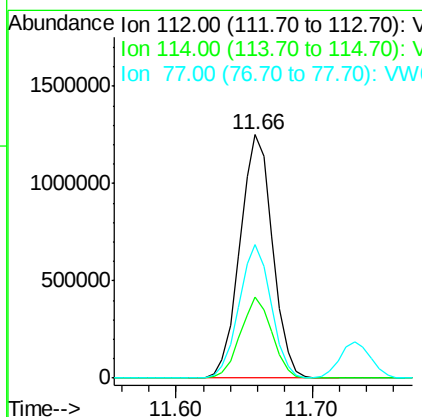
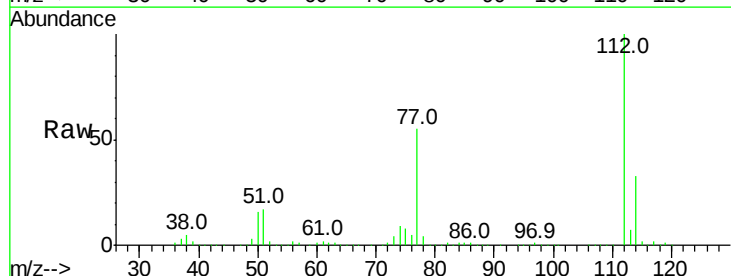
Instrument :
MSVOA_W
ClientSampleId :
VSTD100105

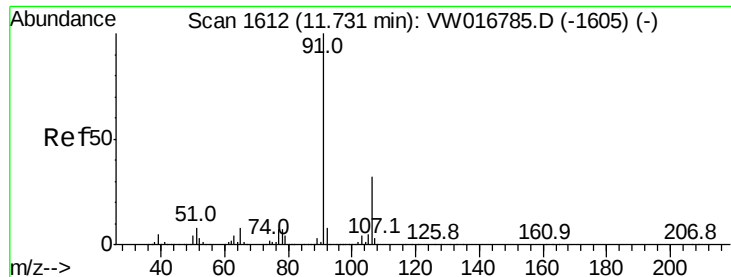
Tgt Ion:107 Resp: 533819
Ion Ratio Lower Upper
107 100
109 91.7 63.6 118.0
188 4.4 3.3 4.9



#51
Chlorobenzene
Concen: 94.226 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

Tgt Ion:112 Resp: 2088735
Ion Ratio Lower Upper
112 100
114 33.4 22.3 41.5
77 55.1 43.6 65.4





#52

Ethylbenzene

Concen: 96.021 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

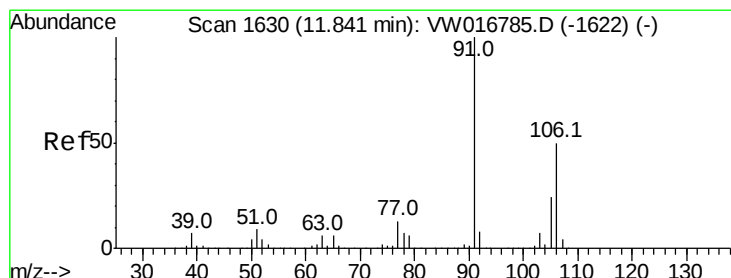
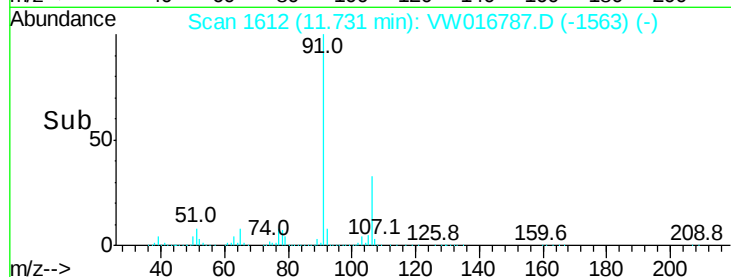
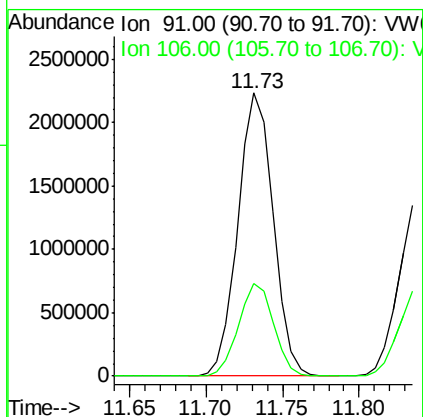
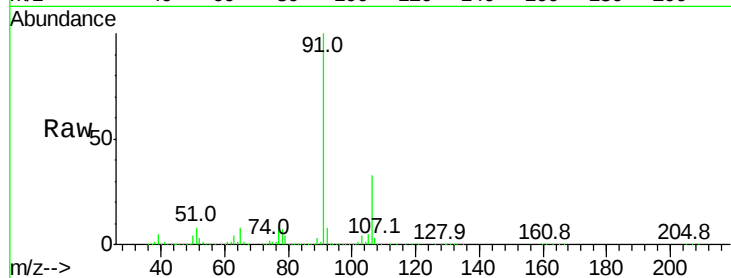
VSTD100105

Tgt Ion: 91 Resp: 3582094

Ion Ratio Lower Upper

91 100

106 32.6 22.3 41.5



#53

m,p-Xylene

Concen: 95.664 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016787.D

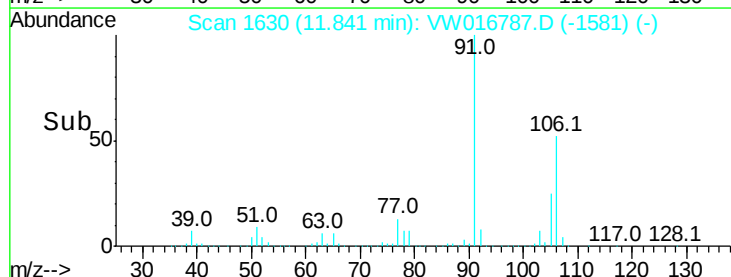
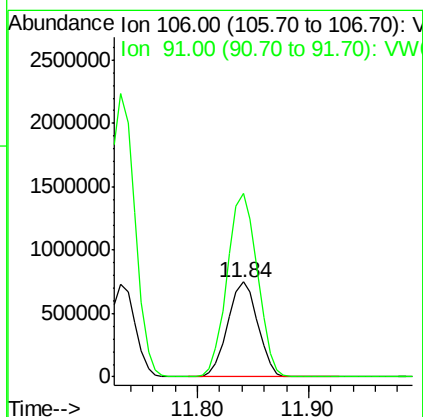
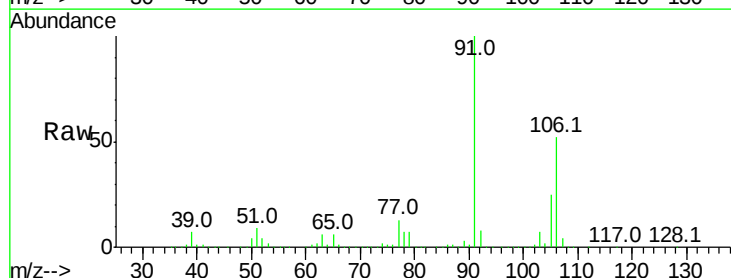
Acq: 06 Oct 2020 08:23

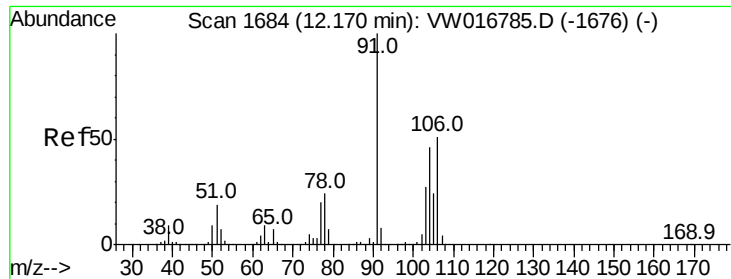
Tgt Ion: 106 Resp: 1399140

Ion Ratio Lower Upper

106 100

91 192.5 138.7 257.7

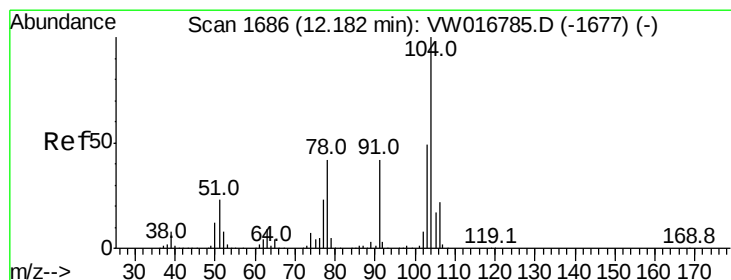
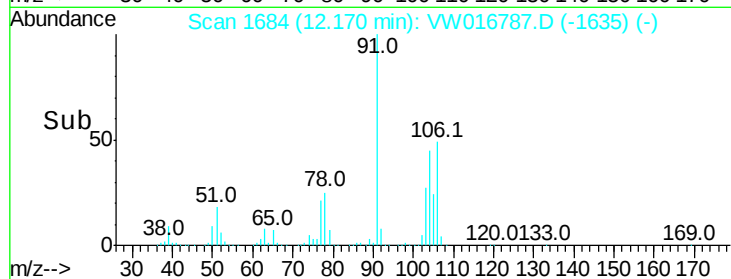
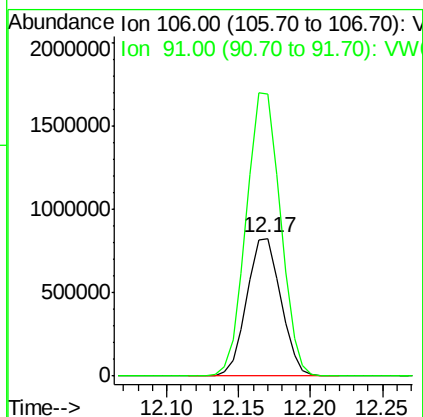
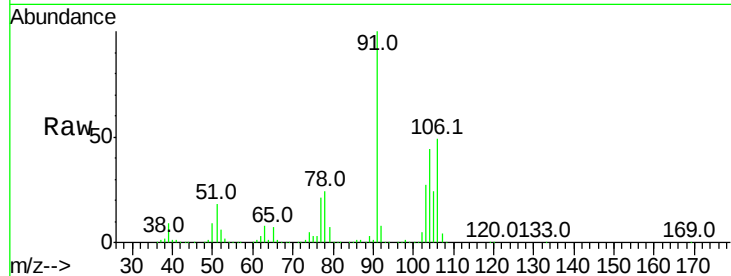




#54
o-Xylene
Concen: 98.349 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

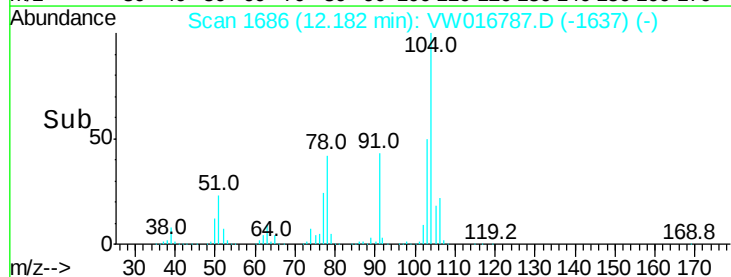
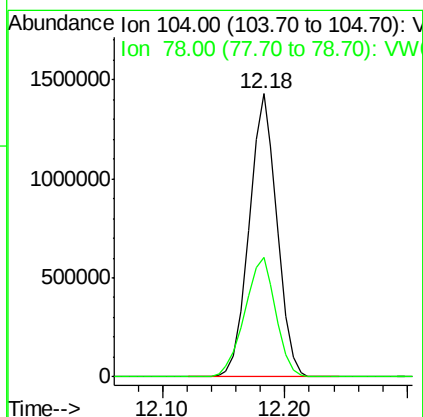
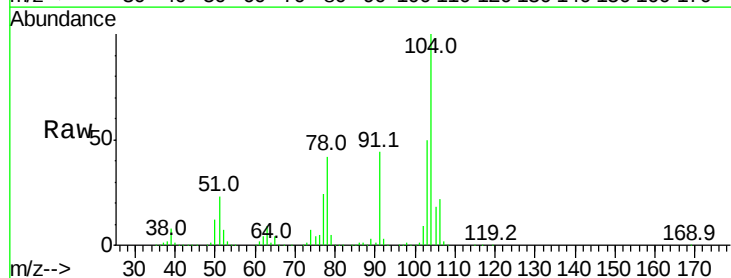
Instrument :
MSVOA_W
ClientSampled :
VSTD100105

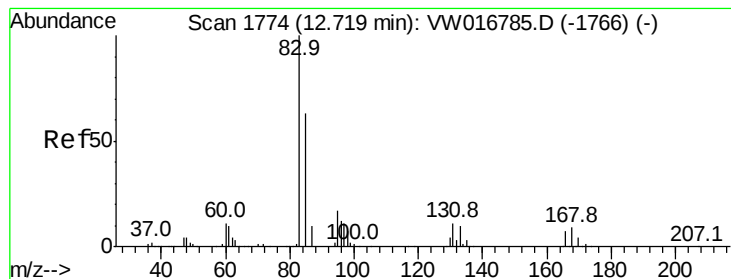
Tgt Ion:106 Resp: 1356155
Ion Ratio Lower Upper
106 100
91 204.8 136.2 252.9



#55
Styrene
Concen: 98.608 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

Tgt Ion:104 Resp: 2258245
Ion Ratio Lower Upper
104 100
78 42.1 29.5 54.9





#57

1,1,2,2-Tetrachloroethane

Concen: 99.483 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

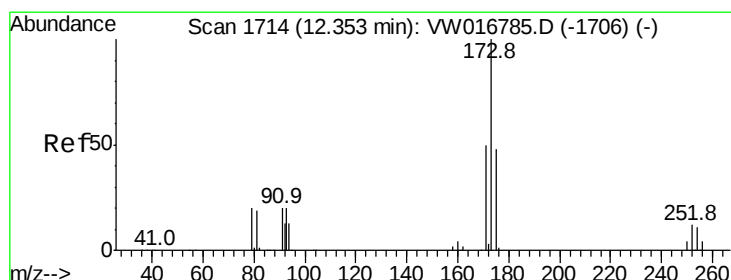
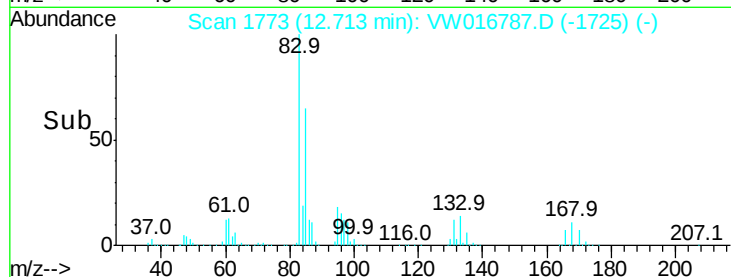
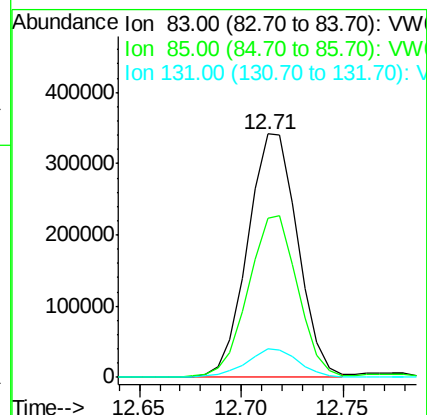
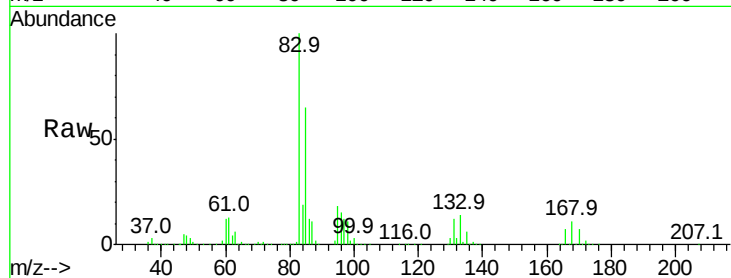
Tgt Ion: 83 Resp: 582998

Ion Ratio Lower Upper

83 100

85 65.3 43.9 81.5

131 11.5 8.8 13.2



#59

Bromoform

Concen: 105.692 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

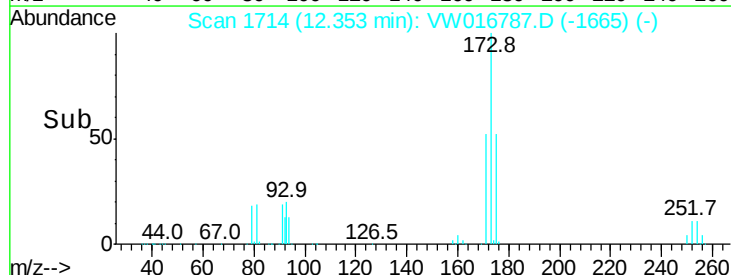
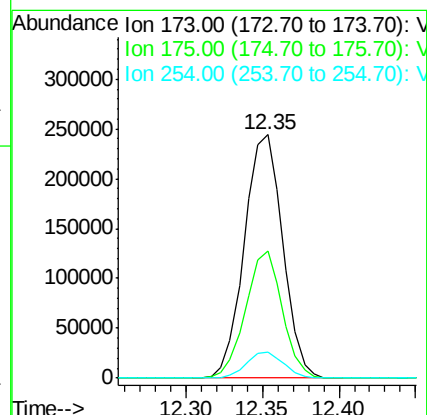
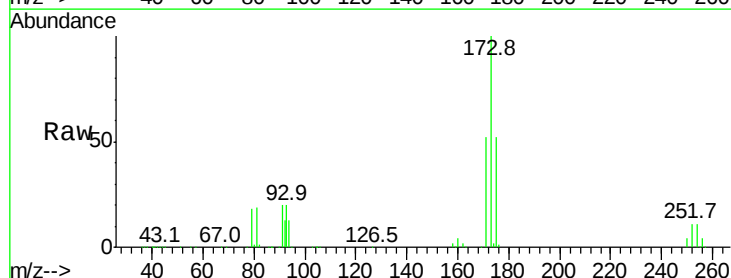
Tgt Ion: 173 Resp: 426327

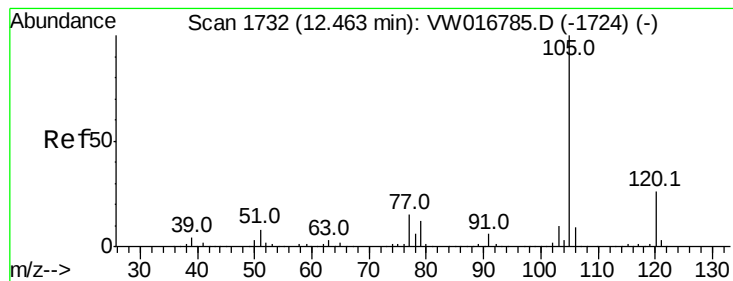
Ion Ratio Lower Upper

173 100

175 49.7 38.5 57.7

254 10.4 8.2 12.2





#60

Isopropylbenzene

Concen: 93.519 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

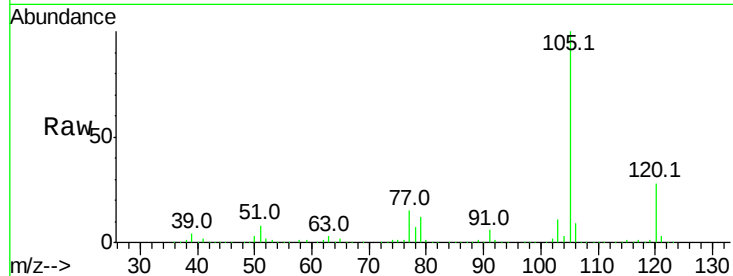
Tgt Ion:105 Resp: 3606350

Ion Ratio Lower Upper

105 100

120 28.0 21.5 32.3

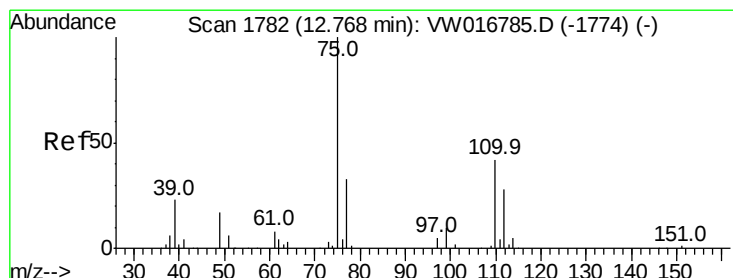
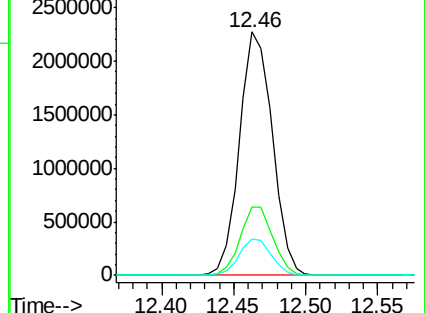
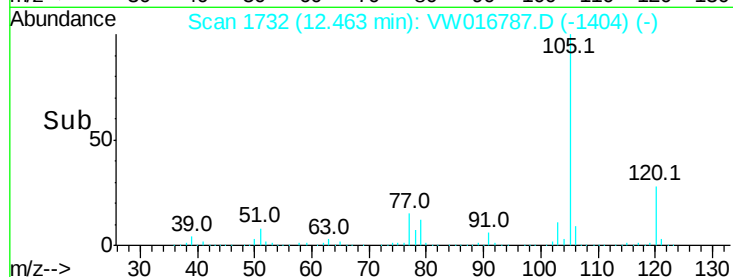
77 14.8 11.8 17.6



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



#61

1,2,3-Trichloropropane

Concen: 96.375 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

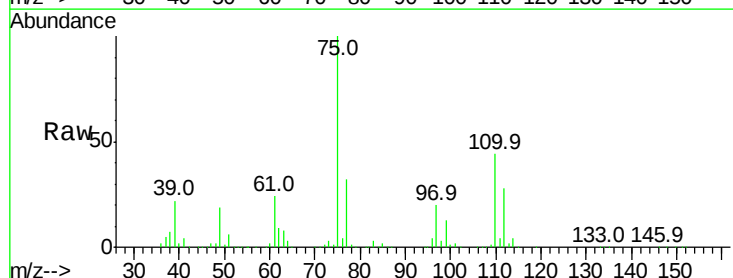
Tgt Ion: 75 Resp: 422972

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

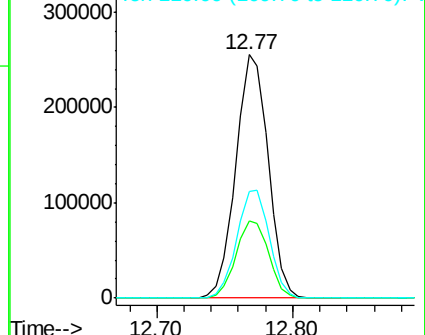
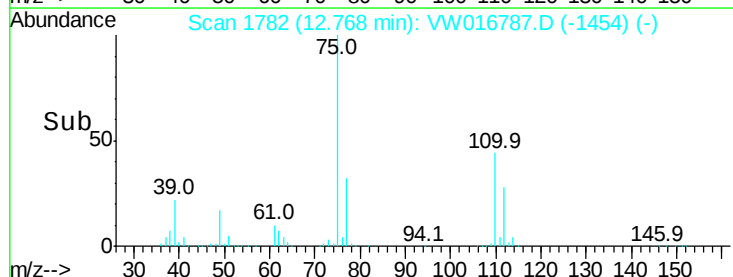
110 44.5 35.1 52.7

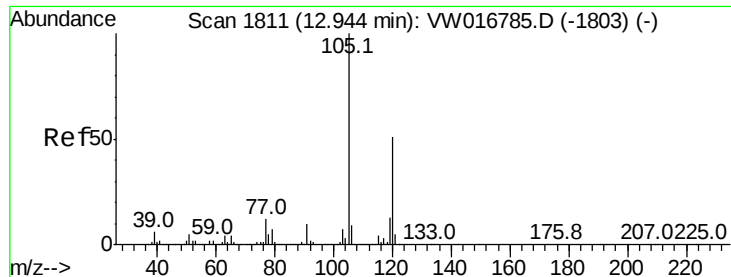


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 98.376 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

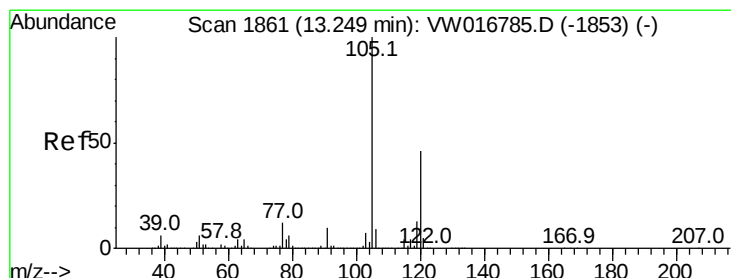
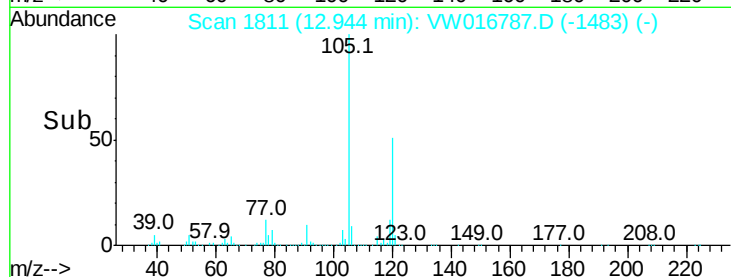
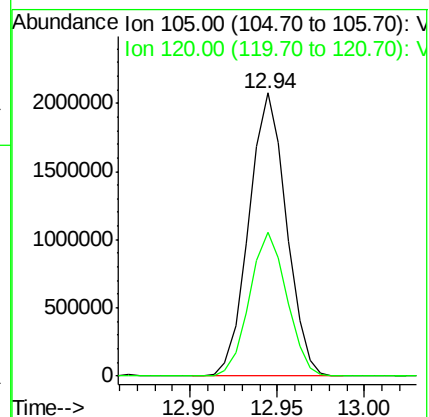
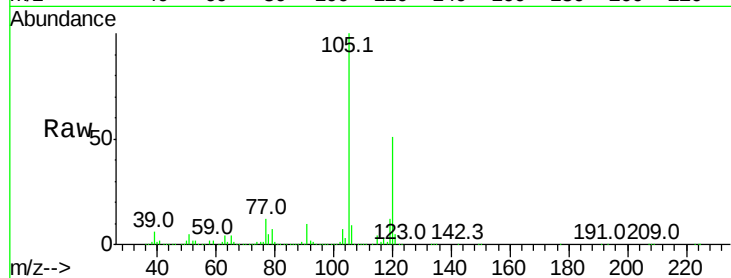
VSTD100105

Tgt Ion:105 Resp: 3091969

Ion Ratio Lower Upper

105 100

120 50.8 41.0 61.4



#63

1,2,4-Trimethylbenzene

Concen: 97.337 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW016787.D

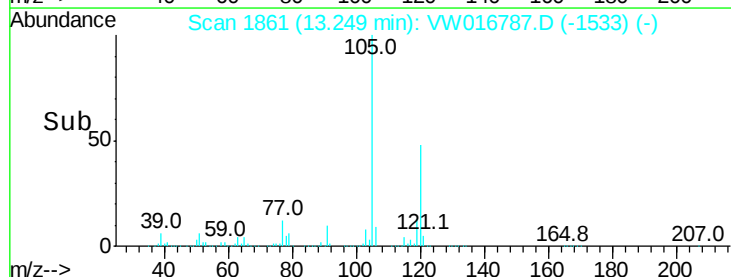
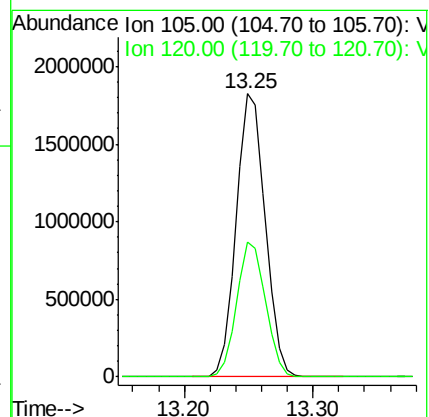
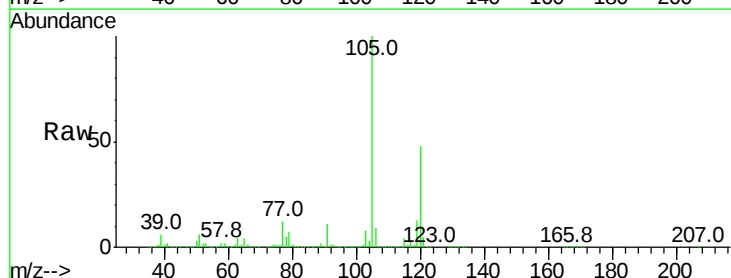
Acq: 06 Oct 2020 08:23

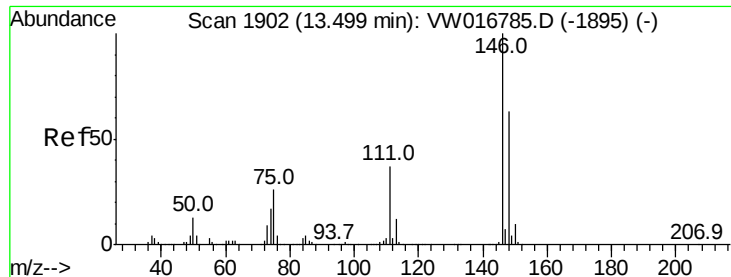
Tgt Ion:105 Resp: 2858933

Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9

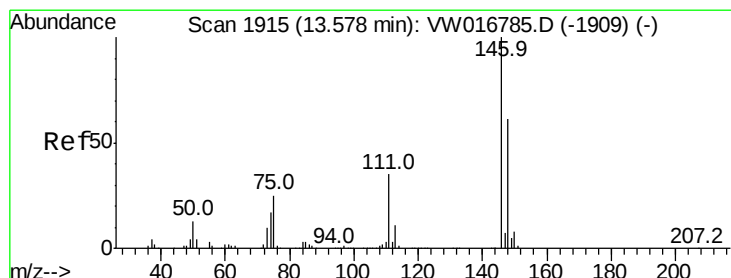
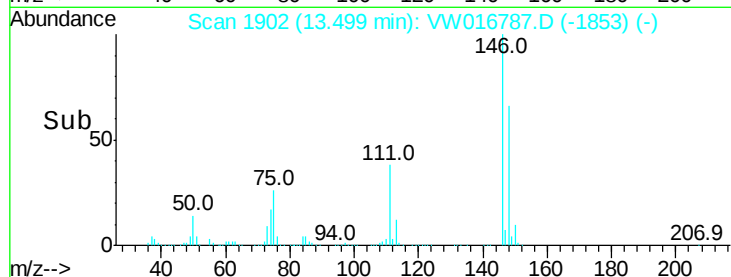
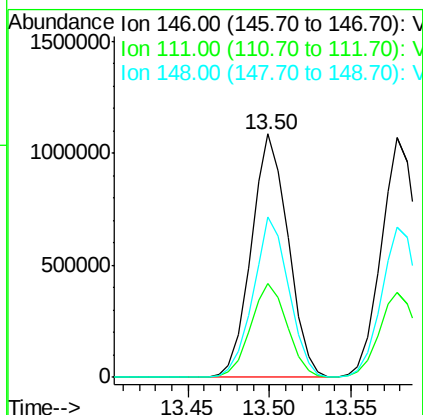
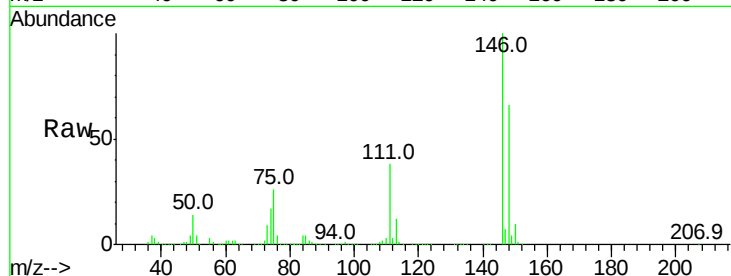




#64
 1,3-Dichlorobenzene
 Concen: 94.552 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016787.D
 Acq: 06 Oct 2020 08:23

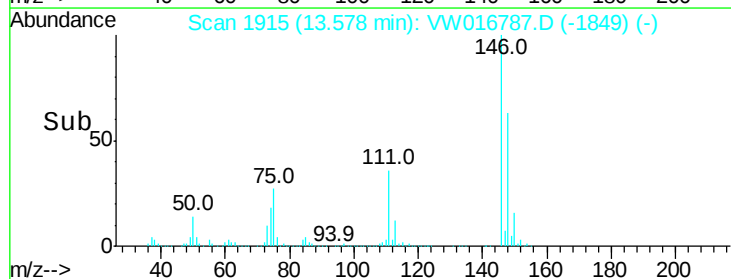
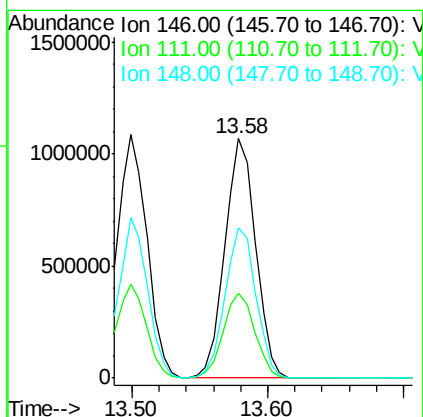
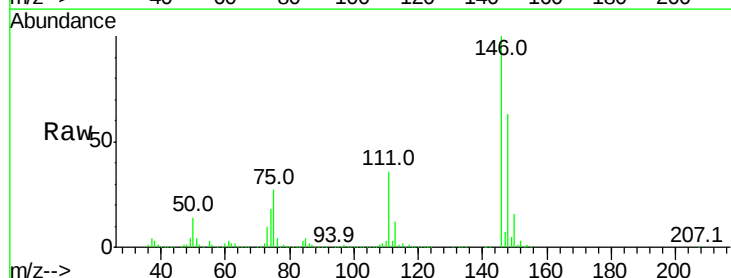
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100105

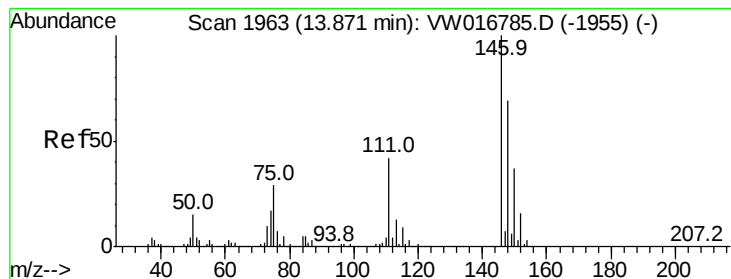
Tgt Ion:146 Resp: 1699692
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.2 48.6
 148 65.7 43.8 81.4



#65
 1,4-Dichlorobenzene
 Concen: 93.947 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016787.D
 Acq: 06 Oct 2020 08:23

Tgt Ion:146 Resp: 1674225
 Ion Ratio Lower Upper
 146 100
 111 35.7 24.6 45.8
 148 62.7 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 93.033 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD100105

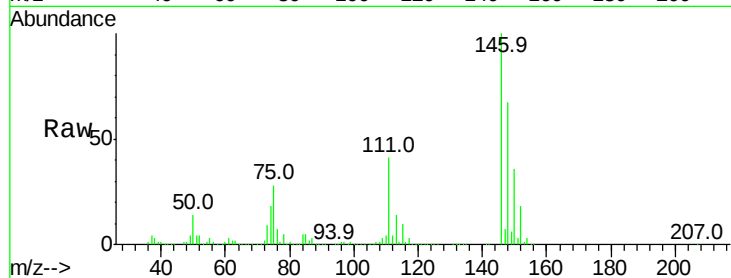
Tgt Ion:146 Resp: 1471700

Ion Ratio Lower Upper

146 100

111 40.5 33.6 50.4

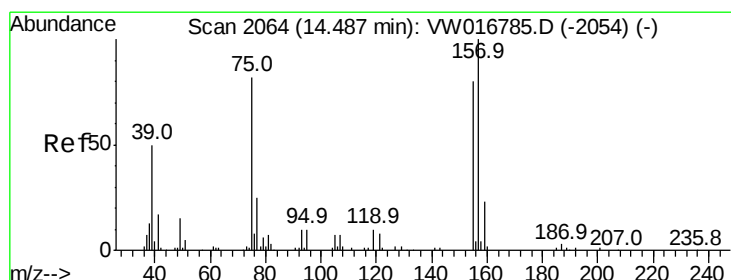
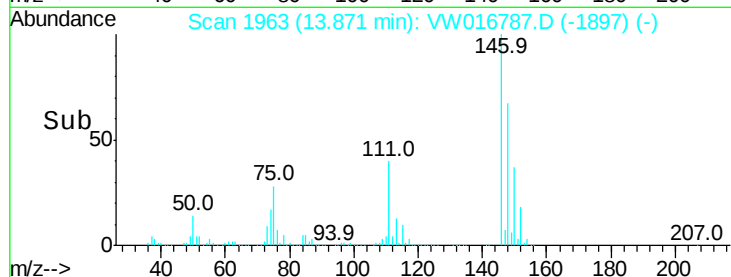
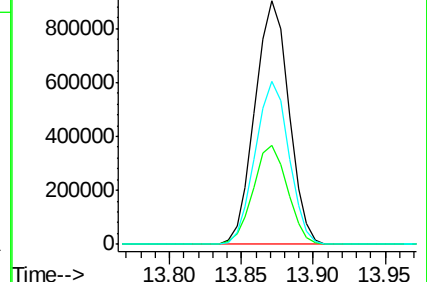
148 66.9 54.9 82.3



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



#68

1,2-Dibromo-3-chloropropane

Concen: 100.661 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016787.D

Acq: 06 Oct 2020 08:23

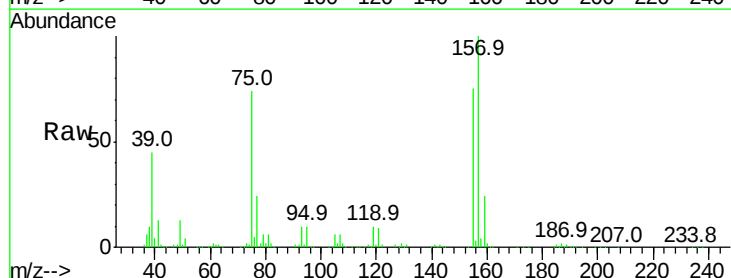
Tgt Ion: 75 Resp: 94708

Ion Ratio Lower Upper

75 100

155 101.9 77.4 116.2

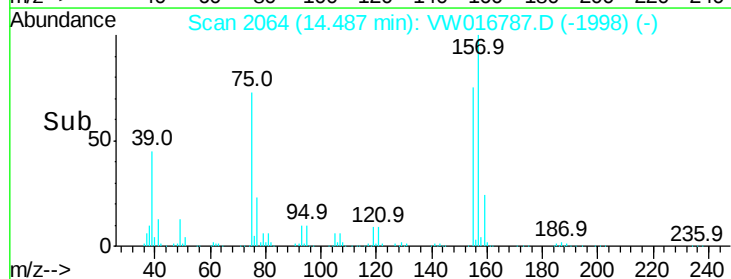
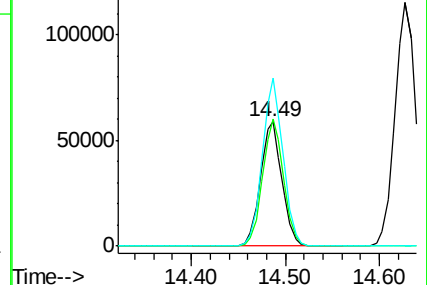
157 135.8 97.2 145.8

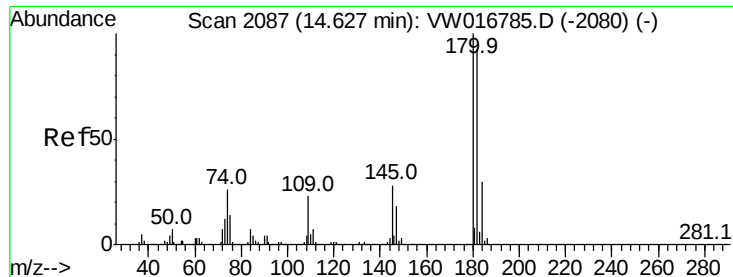


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

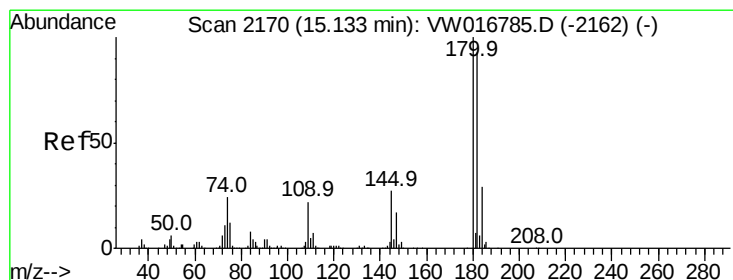
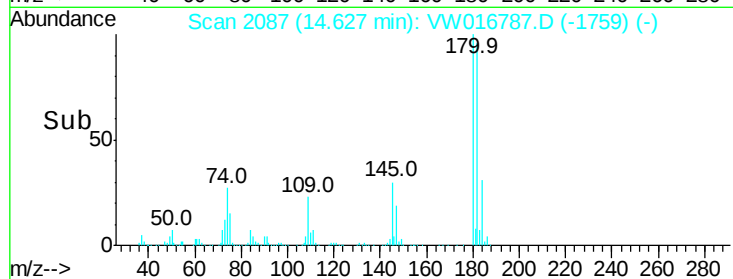
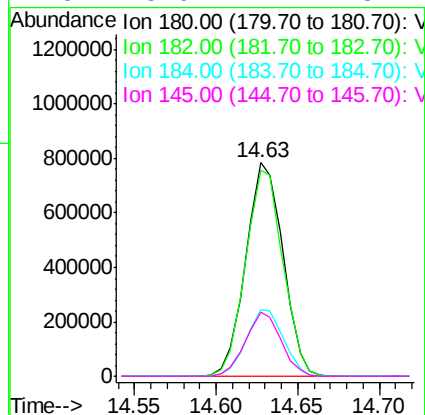
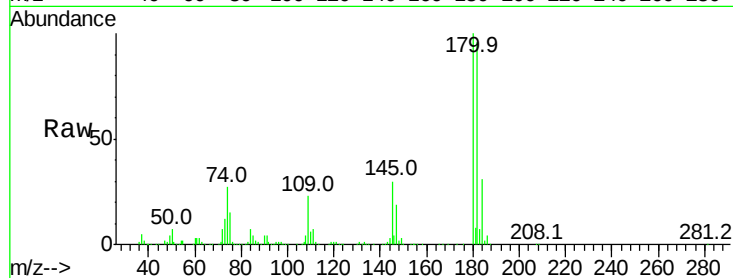




#69
 1,3,5-Trichlorobenzene
 Concen: 94.755 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016787.D
 Acq: 06 Oct 2020 08:23

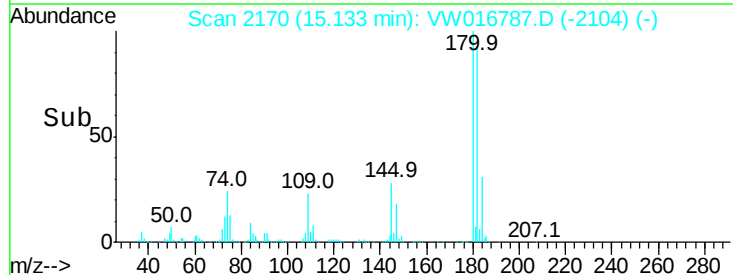
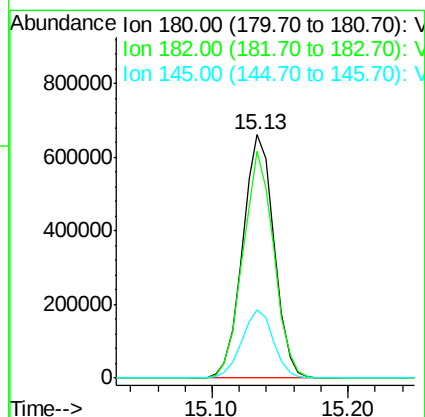
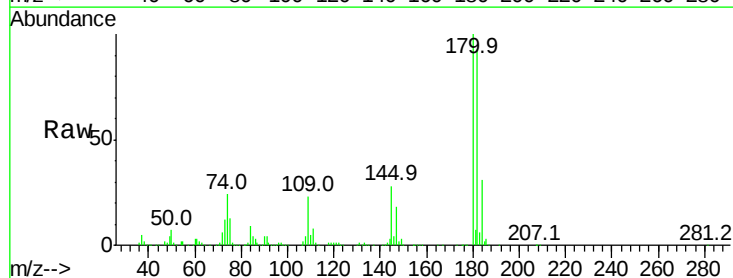
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100105

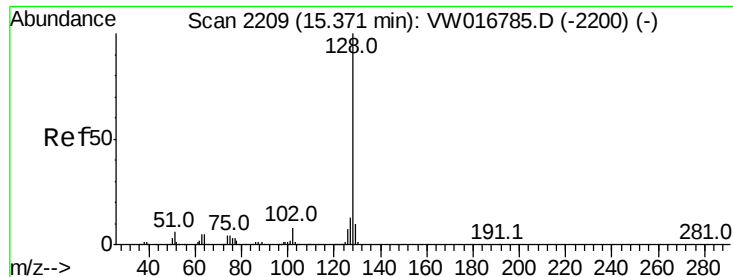
Tgt Ion:180 Resp: 1247538
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.3 115.9
 184 31.3 24.6 36.8
 145 28.9 22.7 34.1



#70
 1,2,4-trichlorobenzene
 Concen: 102.618 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016787.D
 Acq: 06 Oct 2020 08:23

Tgt Ion:180 Resp: 1066462
 Ion Ratio Lower Upper
 180 100
 182 91.8 74.7 112.1
 145 28.4 23.0 34.4

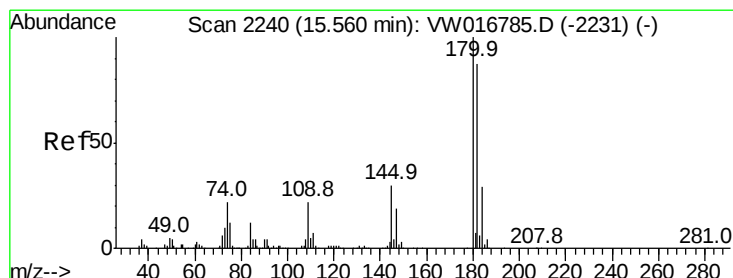
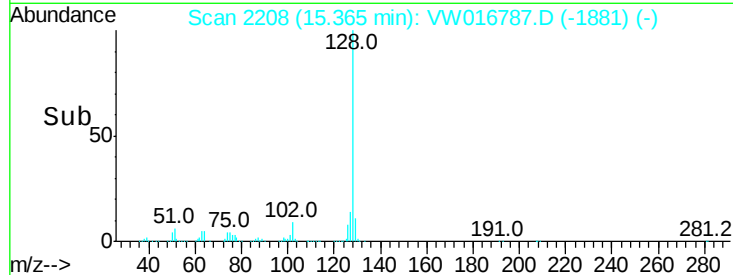
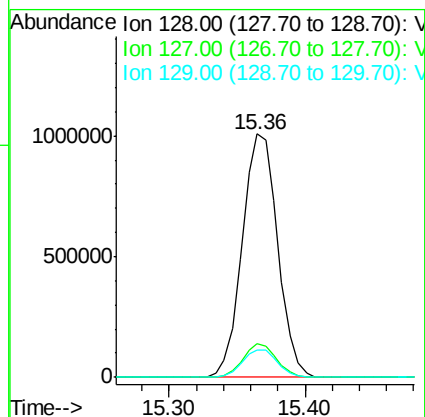
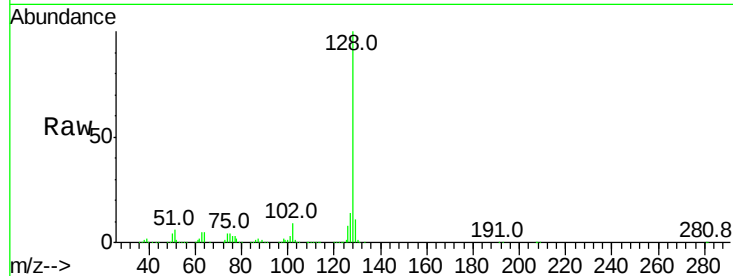




#71
Naphthalene
Concen: 109.484 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

Instrument :
MSVOA_W
ClientSampled :
VSTD100105

Tgt Ion:128 Resp: 1828901
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 101.935 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016787.D
Acq: 06 Oct 2020 08:23

Tgt Ion:180 Resp: 894413
Ion Ratio Lower Upper
180 100
182 95.0 74.4 111.6
145 30.9 25.5 38.3

