

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092620\
 Data File : VW016656.D
 Acq On : 25 Sep 2020 16:05
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

Quant Time: Sep 26 00:15:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 26 00:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	607122	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	547178	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	278785	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	179487	26.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.88%
7) Chloroethane-d5	2.90	69	151741	27.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	4.03	63	378232	26.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.72%
21) 2-Butanone-d5	7.08	46	109026	71.09	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.18%#
24) Chloroform-d	7.65	84	425371	29.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	118.96%
26) 1,2-Dichloroethane-d4	8.31	65	225794	30.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.64%
32) Benzene-d6	8.27	84	791133	28.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.24%
36) 1,2-Dichloropropane-d6	9.27	67	223057	29.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.08%
41) Toluene-d8	10.32	98	774996	28.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.72%
43) trans-1,3-Dichloropropene-	10.58	79	111026	29.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	119.12%
47) 2-Hexanone-d5	10.93	63	88336	73.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.06%#
56) 1,1,2,2-Tetrachloroethane-	12.69	84	199765	33.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	133.56%#
66) 1,2-Dichlorobenzene-d4	13.85	152	307327	30.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	121.76%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	178123	24.332	ug/L	# 89
3) Chloromethane	2.23	50	137617	23.721	ug/L	96
5) Vinyl chloride	2.37	62	201085	24.180	ug/L	99
6) Bromomethane	2.79	94	143492	22.461	ug/L	100
8) Chloroethane	2.94	64	120075	24.289	ug/L	95
9) Trichlorofluoromethane	3.27	101	188636	23.915	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.08	101	201840	25.779	ug/L	97
12) 1,1-Dichloroethene	4.05	96	195448	24.958	ug/L	95
13) Acetone	4.12	43	60903	58.864	ug/L	97
14) Carbon disulfide	4.39	76	527570	22.686	ug/L	99
15) Methyl Acetate	4.67	43	71238	28.051	ug/L	99
16) Methylene chloride	4.92	84	193093	21.702	ug/L	95
17) trans-1,2-Dichloroethene	5.43	96	200645	24.696	ug/L	97
18) Methyl tert-butyl Ether	5.43	73	263287	26.382	ug/L	99
19) 1,1-Dichloroethane	6.23	63	319183	24.801	ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	212272	25.135	ug/L	98
22) 2-Butanone	7.17	43	93450	53.124	ug/L	99

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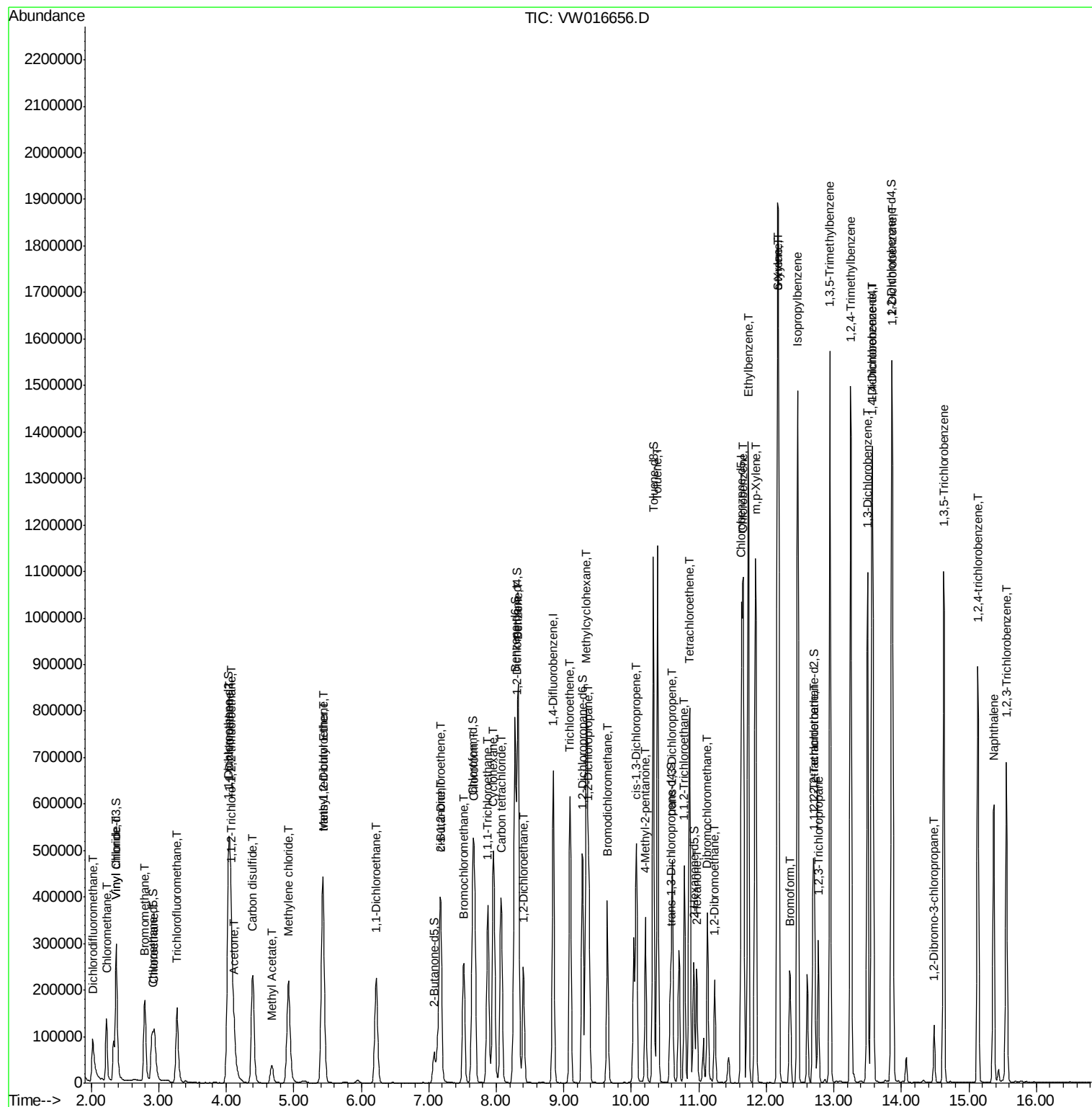
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	101870	25.656	ug/L	94
25) Chloroform	7.68	83	358507	25.463	ug/L	100
27) 1,2-Dichloroethane	8.40	62	228184	26.102	ug/L	96
29) Cyclohexane	7.96	56	286062	23.417	ug/L	99
30) 1,1,1-Trichloroethane	7.88	97	322632	24.746	ug/L	99
31) Carbon tetrachloride	8.07	117	310021	24.418	ug/L	98
33) Benzene	8.33	78	742606	24.499	ug/L	100
34) Trichloroethene	9.10	95	210355	24.193	ug/L	98
35) Methylcyclohexane	9.34	83	354851	24.432	ug/L	99
37) 1,2-Dichloropropane	9.37	63	171075	24.752	ug/L	100
38) Bromodichloromethane	9.65	83	258262	25.197	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	300246	25.448	ug/L	97
40) 4-Methyl-2-pentanone	10.21	43	211013	54.488	ug/L	99
42) Toluene	10.39	91	846309	24.783	ug/L	100
44) trans-1,3-Dichloropropene	10.61	75	262705	25.961	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	149223	26.581	ug/L	98
46) Tetrachloroethene	10.87	164	196582	25.064	ug/L	92
48) 2-Hexanone	10.97	43	142891	59.339	ug/L	99
49) Dibromochloromethane	11.13	129	193182	26.217	ug/L	97
50) 1,2-Dibromoethane	11.24	107	149085	26.814	ug/L	97
51) Chlorobenzene	11.66	112	574587	25.373	ug/L	99
52) Ethylbenzene	11.73	91	974603	25.347	ug/L	98
53) m,p-Xylene	11.84	106	381445	25.466	ug/L	96
54) o-Xylene	12.17	106	360983	25.462	ug/L	100
55) Styrene	12.18	104	611157	25.890	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	170032	28.132	ug/L	94
59) Bromoform	12.35	173	114654	25.476	ug/L	99
60) Isopropylbenzene	12.46	105	995165	24.450	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	124339	27.065	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	844064	25.199	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	841083	25.264	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	468832	25.099	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	463796	25.316	ug/L	96
67) 1,2-Dichlorobenzene	13.87	146	420622	25.452	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.49	75	28459	26.354	ug/L	94
69) 1,3,5-Trichlorobenzene	14.63	180	336586	24.412	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	302763	27.190	ug/L	97
71) Naphthalene	15.37	128	536441	28.707	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	256277	27.411	ug/L	97

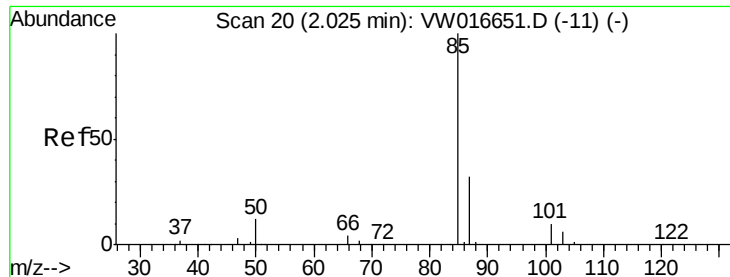
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.332 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

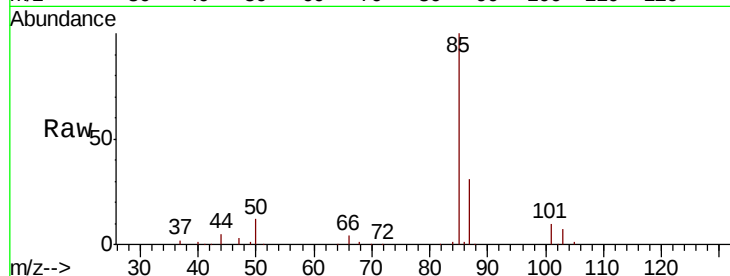
VSTD025112

Tot Ion: 85 Resp: 178123

Ion Ratio Lower Upper

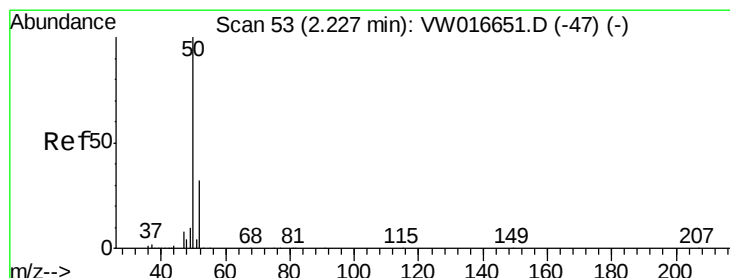
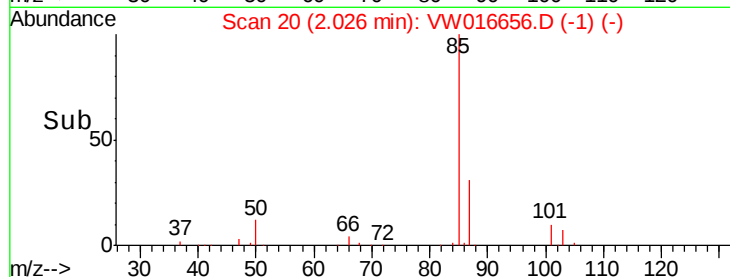
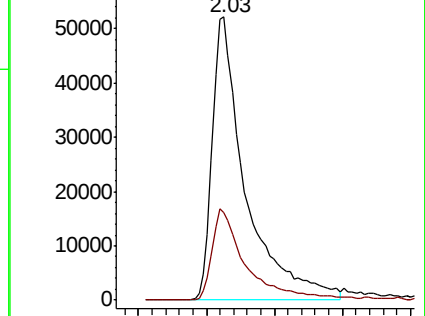
85 100

87 32.4 21.4 32.0#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.721 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016656.D

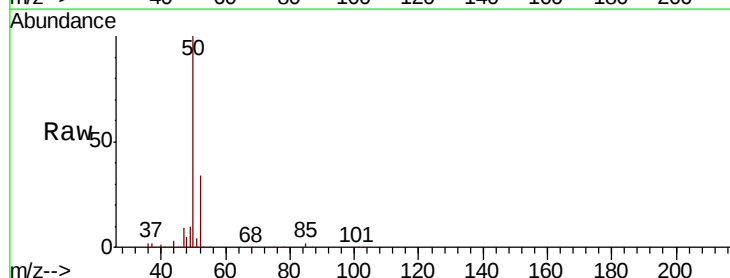
Acq: 25 Sep 2020 16:05

Tgt Ion: 50 Resp: 137617

Ion Ratio Lower Upper

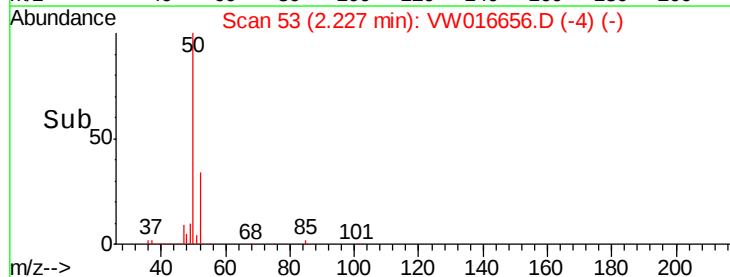
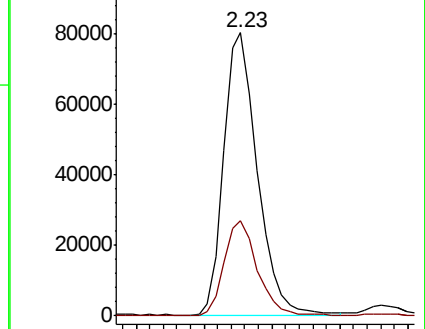
50 100

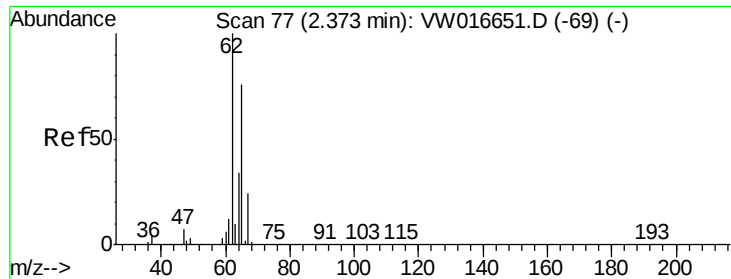
52 33.9 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.180 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

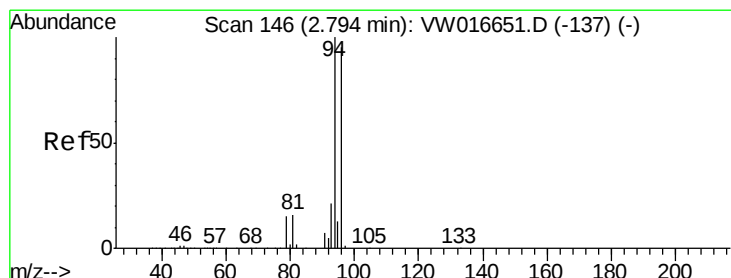
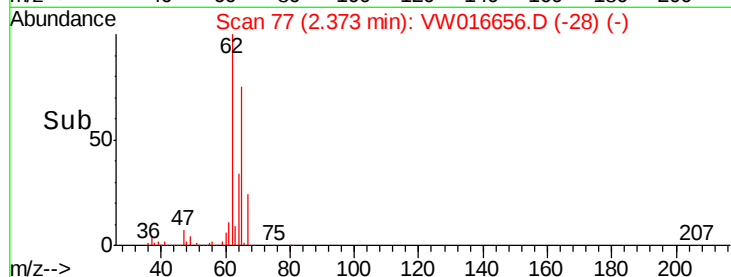
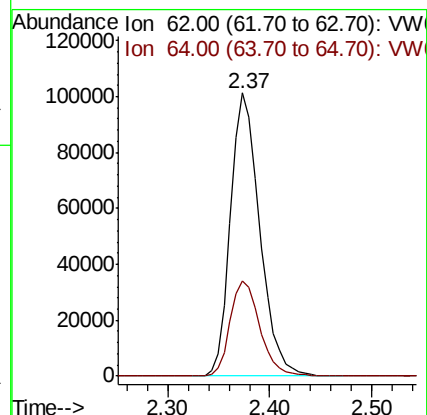
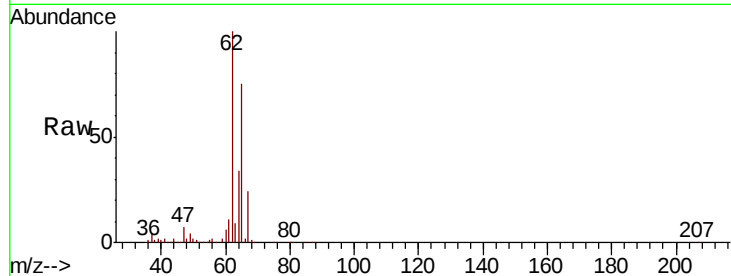
VSTD025112

Tot Ion: 62 Resp: 201085

Ion Ratio Lower Upper

62 100

64 33.7 24.1 44.7



#6

Bromomethane

Concen: 22.461 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016656.D

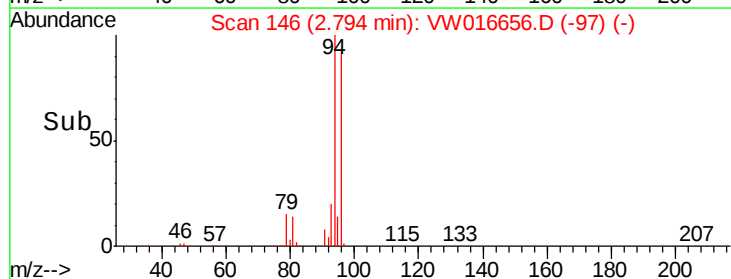
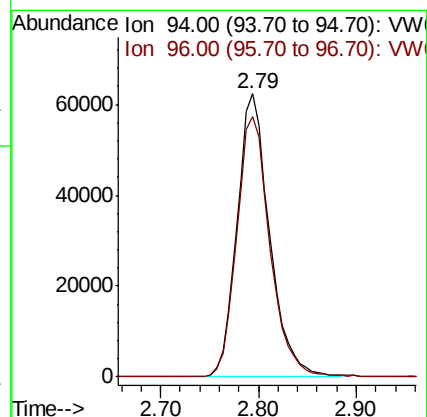
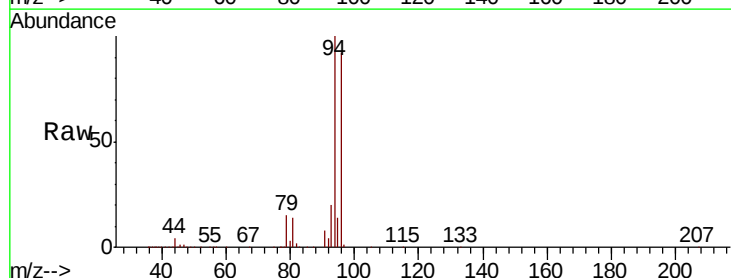
Acq: 25 Sep 2020 16:05

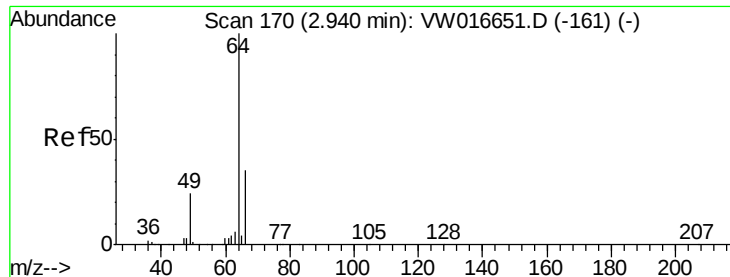
Tgt Ion: 94 Resp: 143492

Ion Ratio Lower Upper

94 100

96 92.2 64.2 119.2





#8

Chloroethane

Concen: 24.289 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

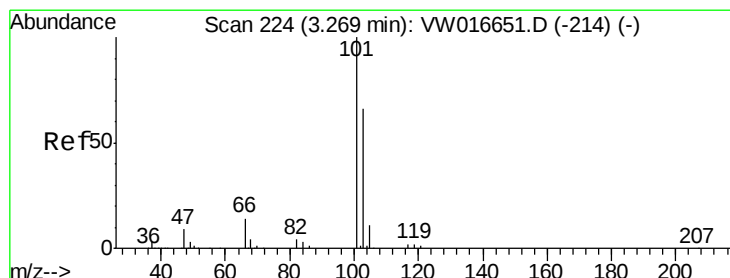
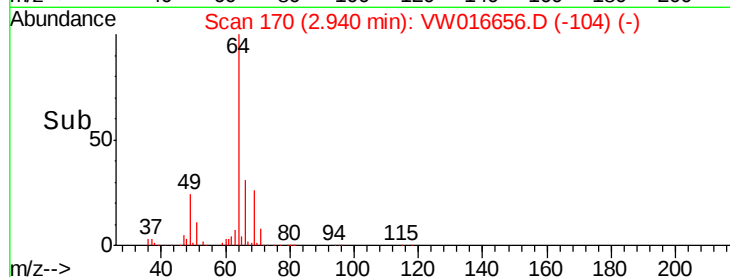
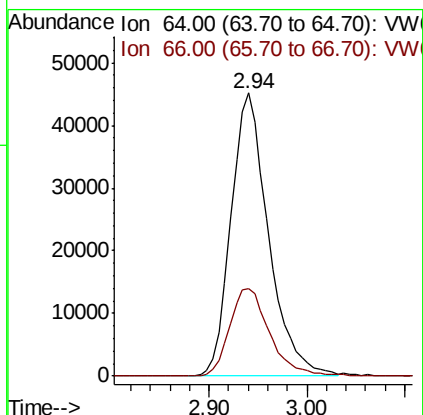
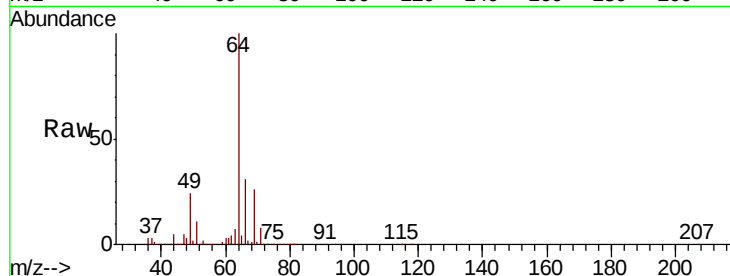
VSTD025112

Tot Ion: 64 Resp: 120075

Ion Ratio Lower Upper

64 100

66 31.0 23.5 43.7



#9

Trichlorofluoromethane

Concen: 23.915 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW016656.D

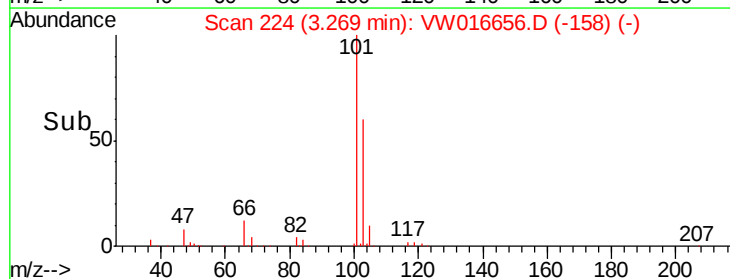
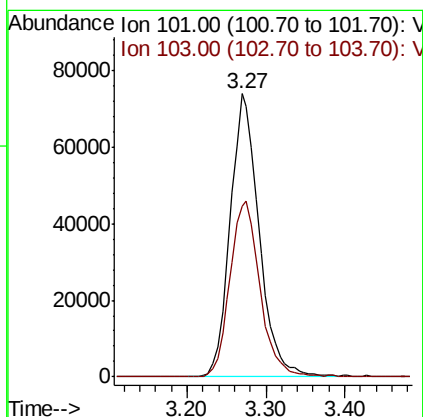
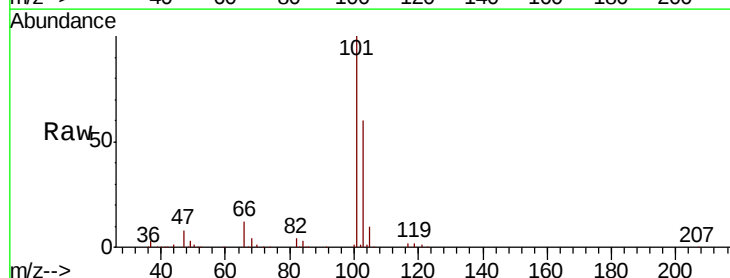
Acq: 25 Sep 2020 16:05

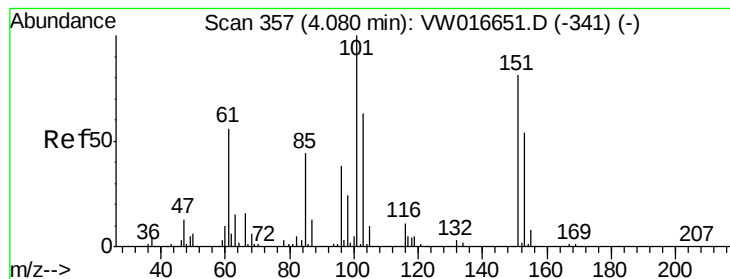
Tgt Ion: 101 Resp: 188636

Ion Ratio Lower Upper

101 100

103 64.3 51.8 77.8





#10

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

Concen: 25.779 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016656.D

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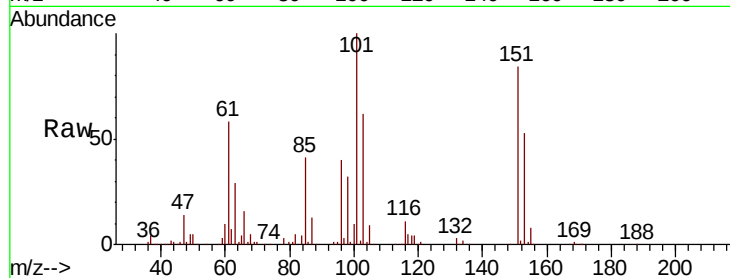
Tot Ion:101 Resp: 201840

Ion Ratio Lower Upper

101 100

85 41.8 32.2 48.2

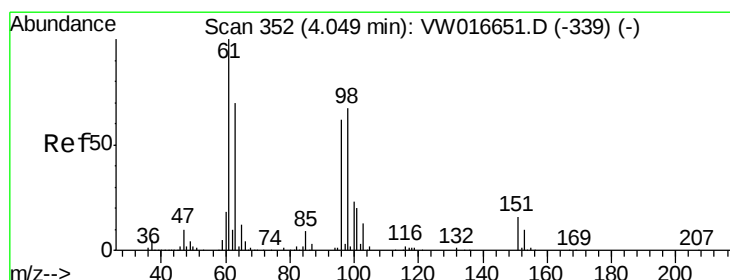
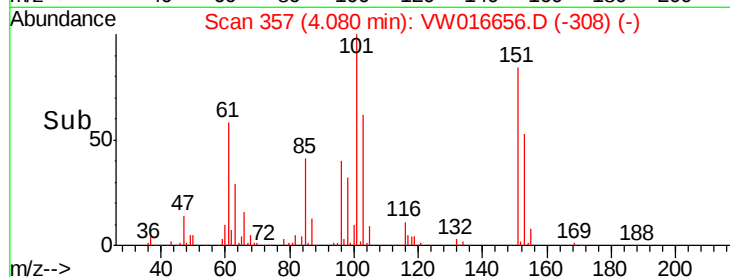
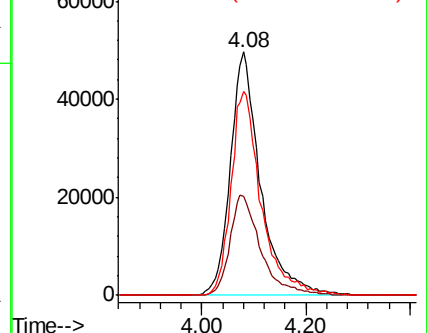
151 80.7 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.958 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

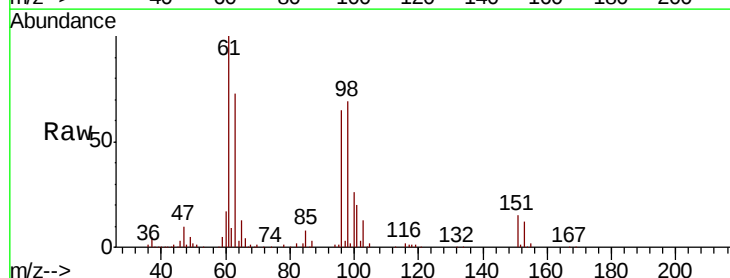
Tgt Ion: 96 Resp: 195448

Ion Ratio Lower Upper

96 100

61 154.4 112.1 208.3

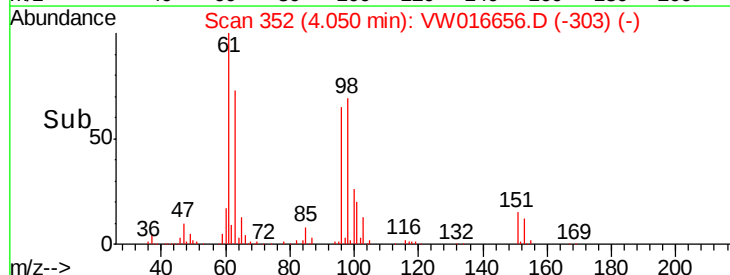
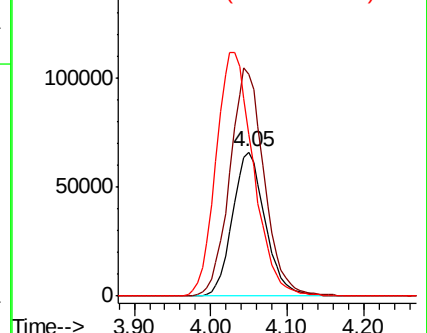
63 112.5 74.2 137.8

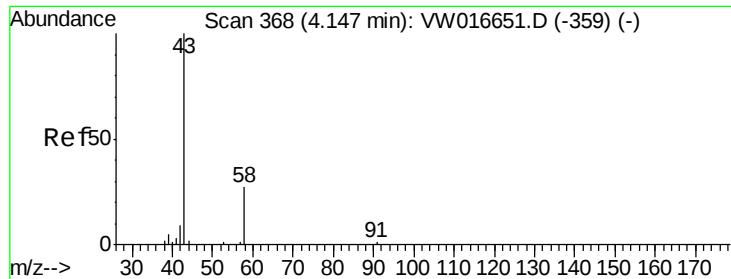


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.864 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016656.D

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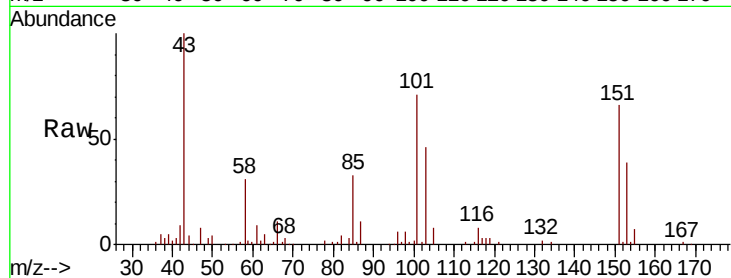
VSTD025112

Tot Ion: 43 Resp: 60903

Ion Ratio Lower Upper

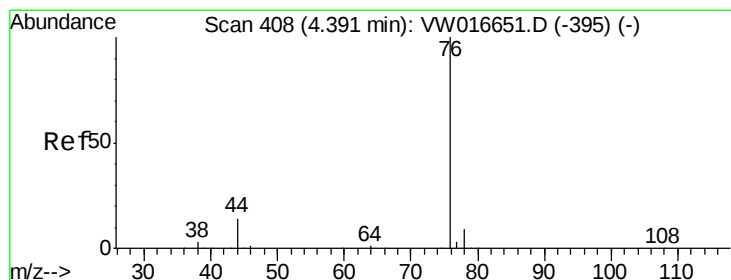
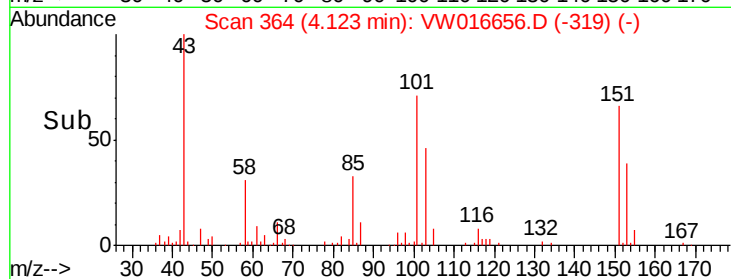
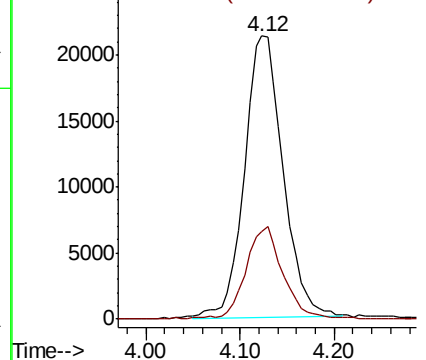
43 100

58 31.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.686 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016656.D

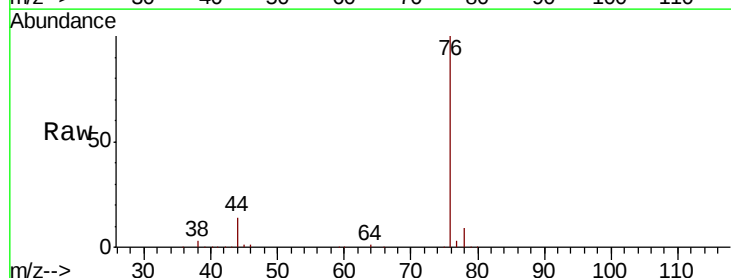
Acq: 25 Sep 2020 16:05

Tgt Ion: 76 Resp: 527570

Ion Ratio Lower Upper

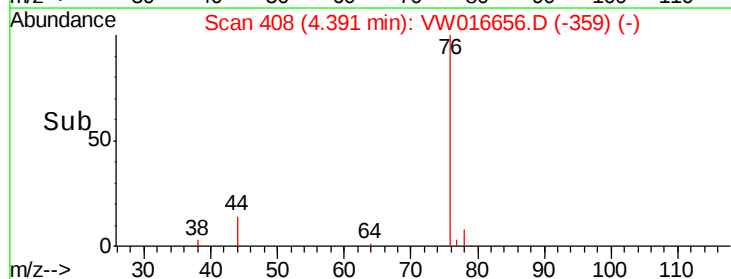
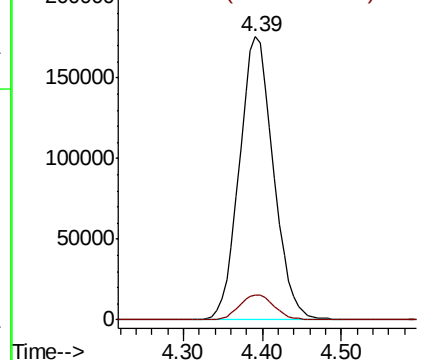
76 100

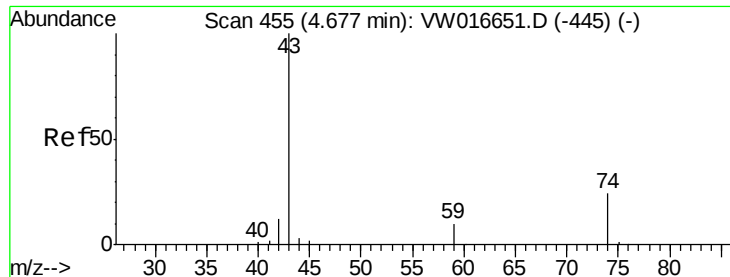
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 28.051 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampled :

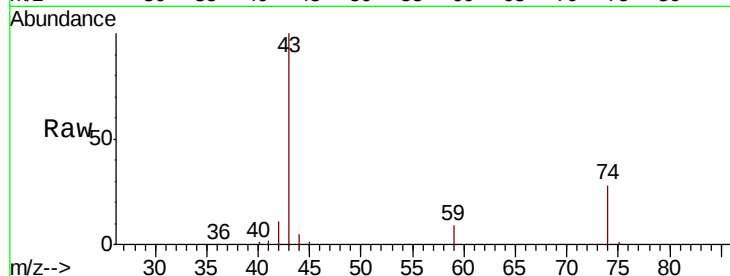
VSTD025112

Tot Ion: 43 Resp: 71238

Ion Ratio Lower Upper

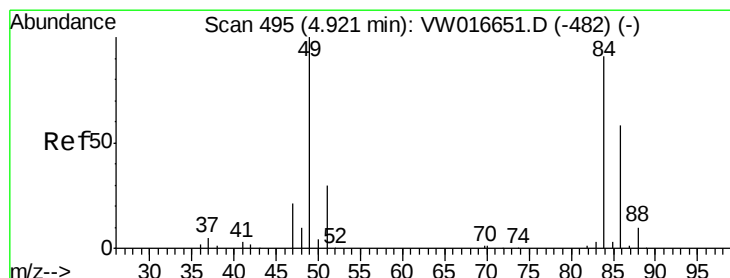
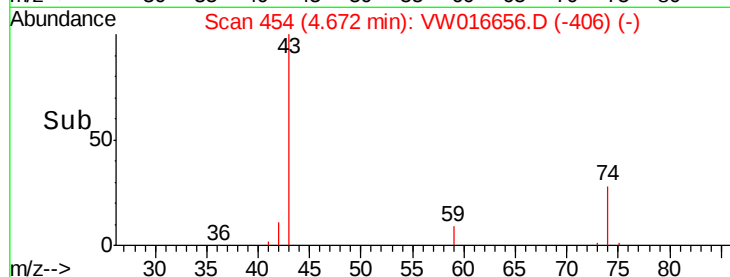
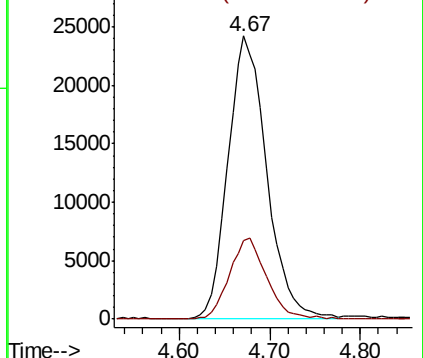
43 100

74 27.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.702 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

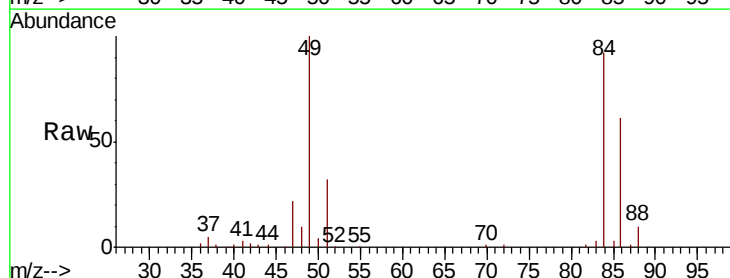
Tgt Ion: 84 Resp: 193093

Ion Ratio Lower Upper

84 100

86 66.1 46.2 85.8

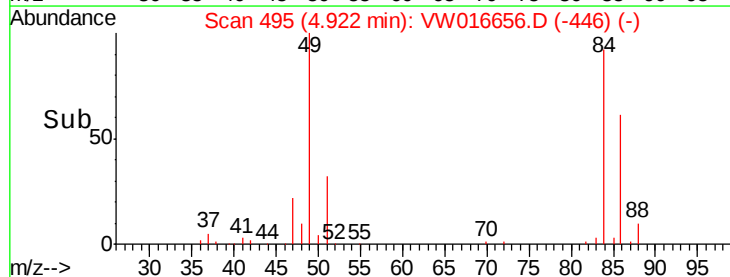
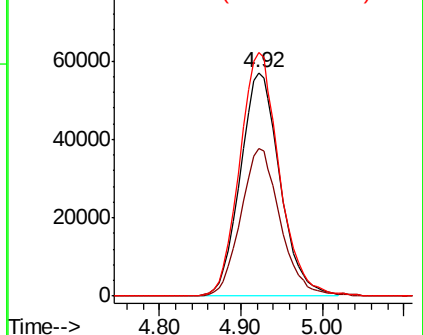
49 109.1 82.8 153.8

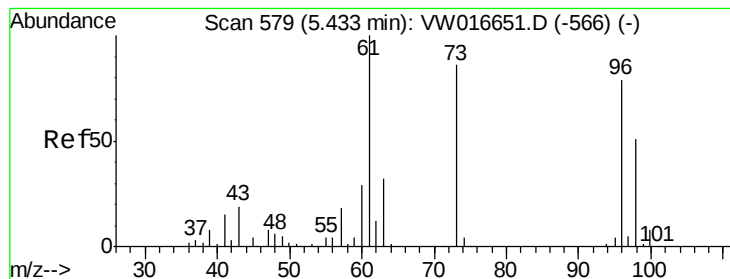


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 86.00 (85.70 to 86.70): VW

Ion 49.00 (48.70 to 49.70): VW





#17

trans-1,2-Dichloroethene

Concen: 24.696 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD025112

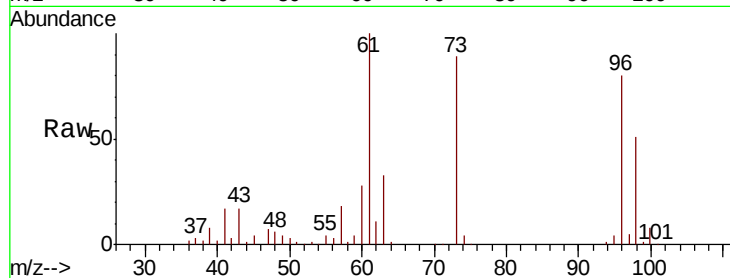
Tot Ion: 96 Resp: 200645

Ion Ratio Lower Upper

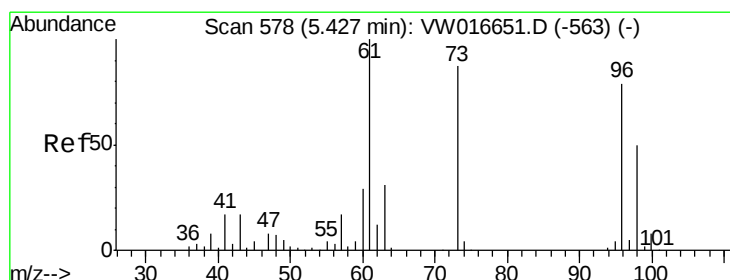
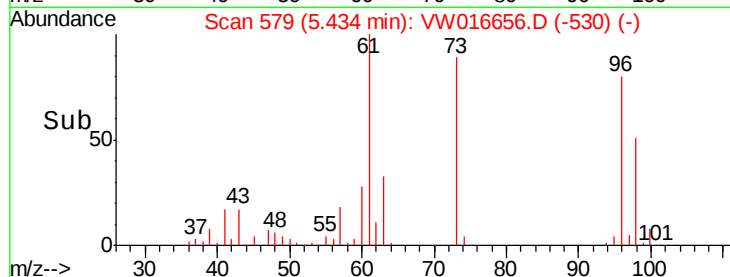
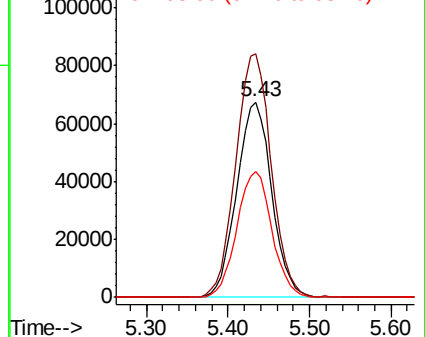
96 100

61 124.8 89.7 166.7

98 64.2 46.4 86.2



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: 26.382 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

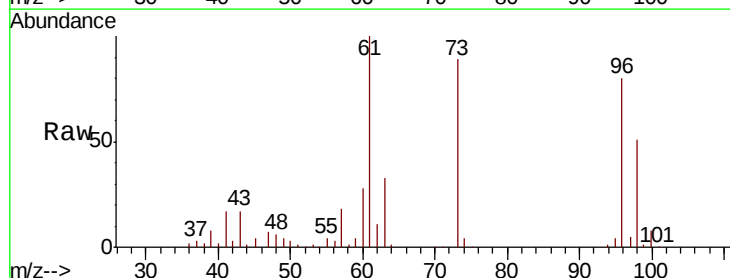
Tgt Ion: 73 Resp: 263287

Ion Ratio Lower Upper

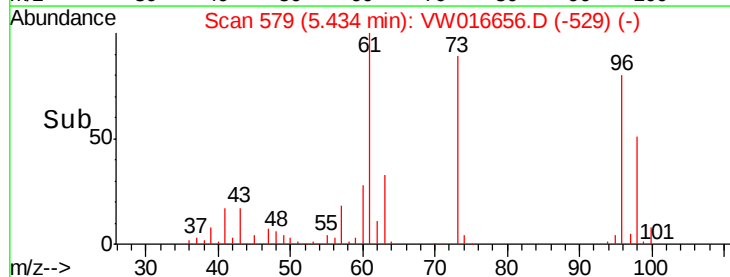
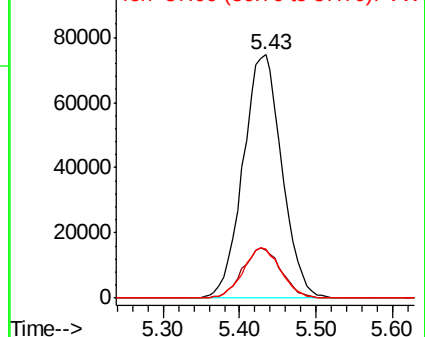
73 100

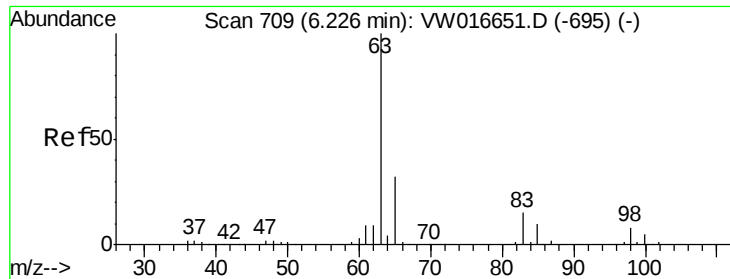
43 20.5 17.0 25.6

57 19.9 16.3 24.5



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: 24.801 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD025112

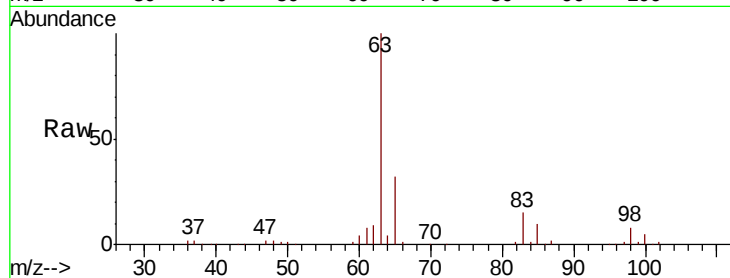
Tot Ion: 63 Resp: 319183

Ion Ratio Lower Upper

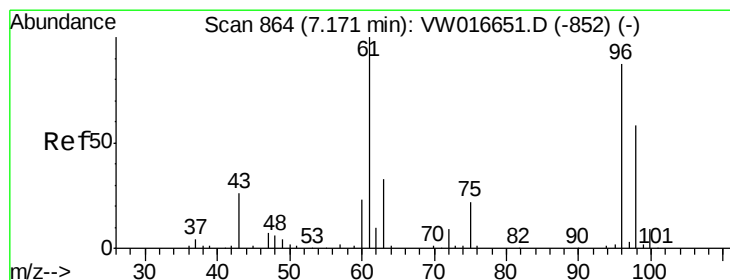
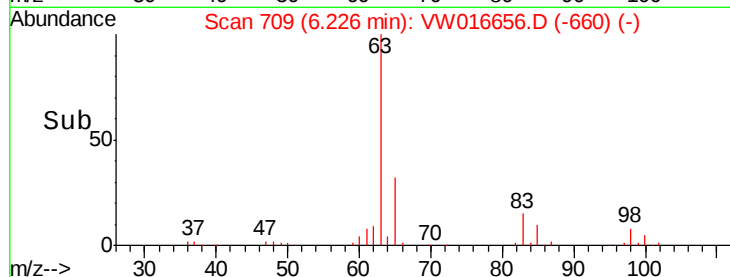
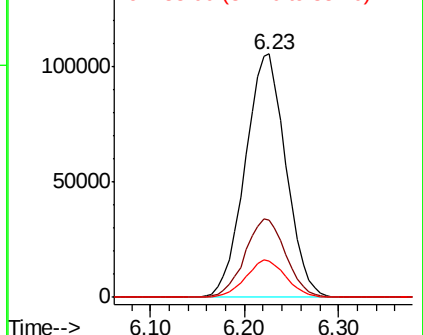
63 100

65 31.6 21.8 40.6

83 14.9 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: 25.135 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

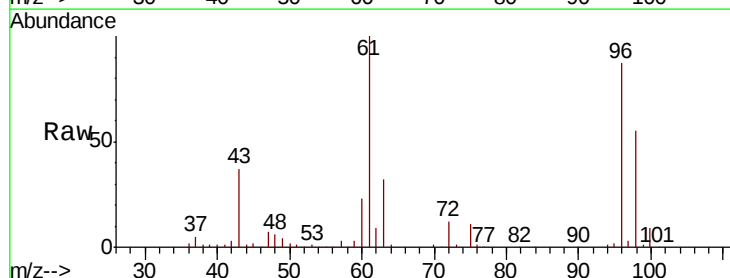
Tgt Ion: 96 Resp: 212272

Ion Ratio Lower Upper

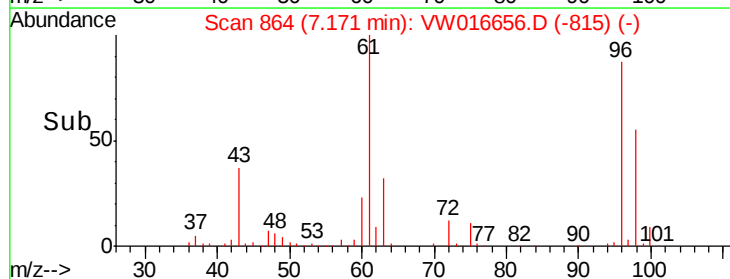
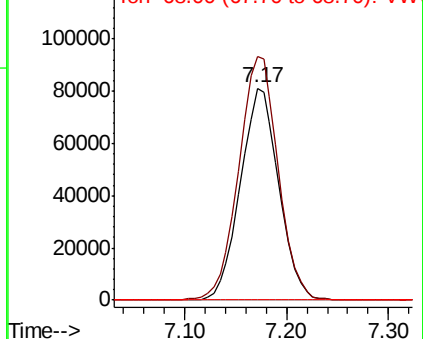
96 100

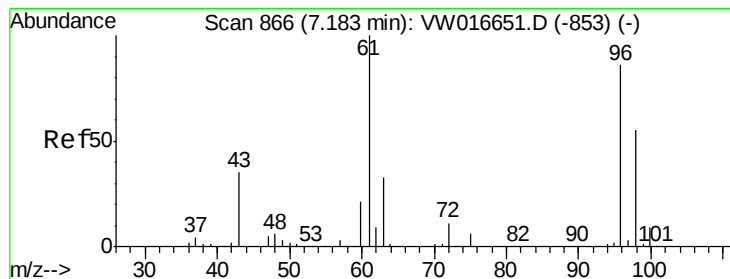
61 115.0 79.2 147.0

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: 53.124 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

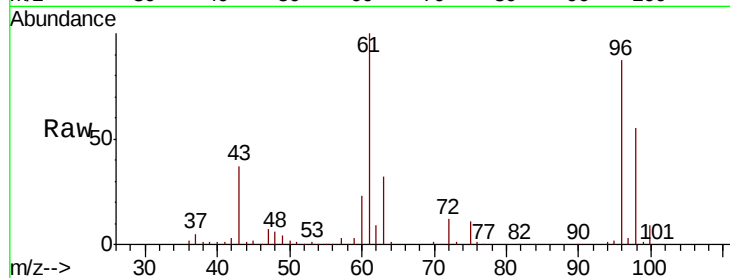
VSTD025112

Tot Ion: 43 Resp: 93450

Ion Ratio Lower Upper

43 100

72 31.9 15.7 47.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

40000

30000

20000

10000

0

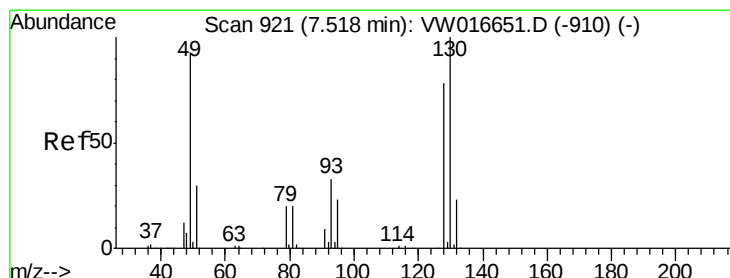
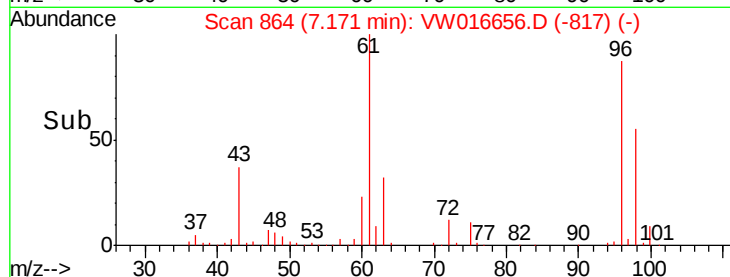
Time-->

7.00

7.10

7.20

7.30



#23

Bromochloromethane

Concen: 25.656 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Tgt Ion:128 Resp: 101870

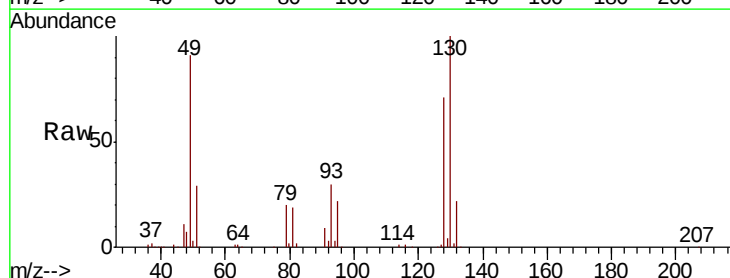
Ion Ratio Lower Upper

128 100

49 128.2 91.5 169.9

130 140.9 89.0 165.4

51 41.3 33.0 49.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

80000

60000

40000

20000

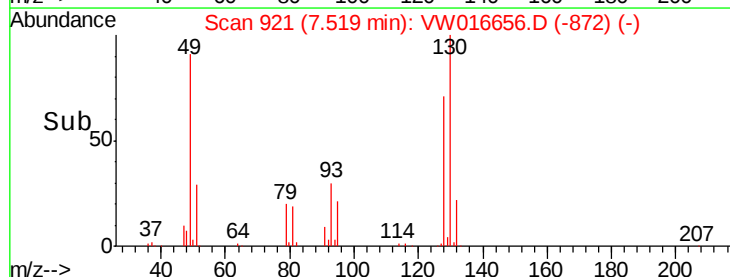
0

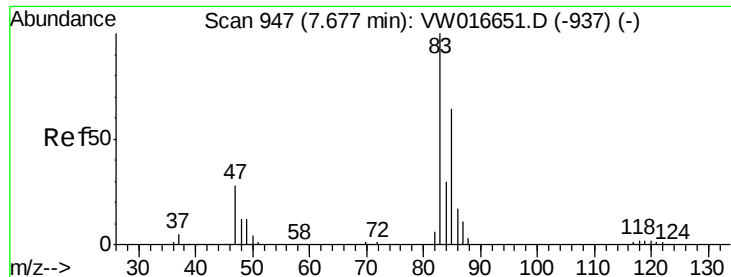
Time-->

7.40

7.50

7.60

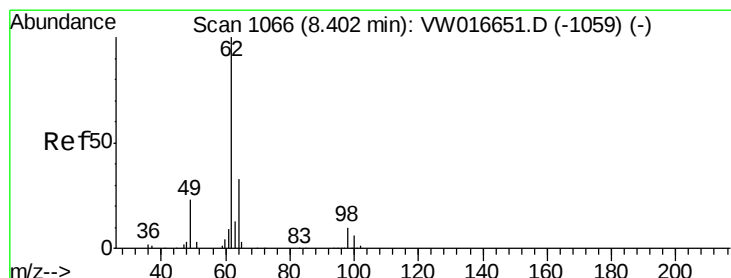
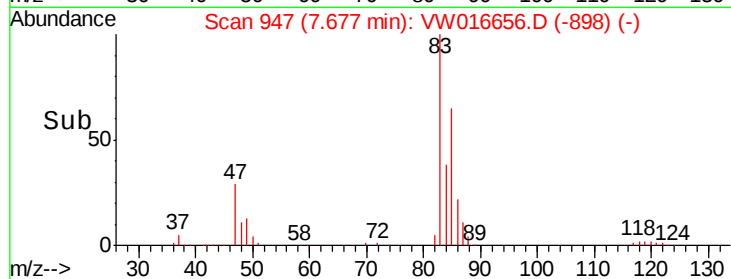
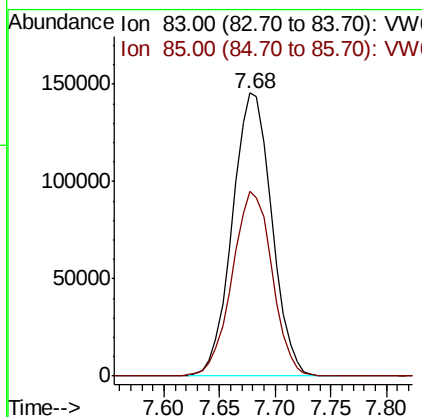
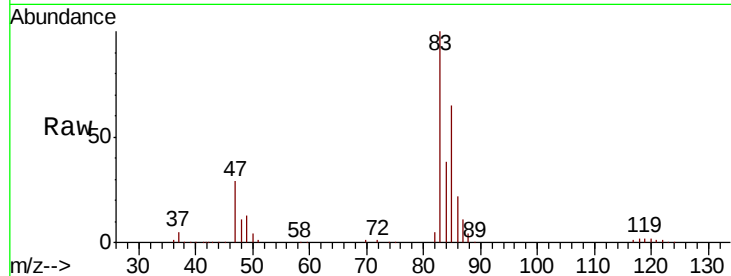




#25
Chloroform
Concen: 25.463 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

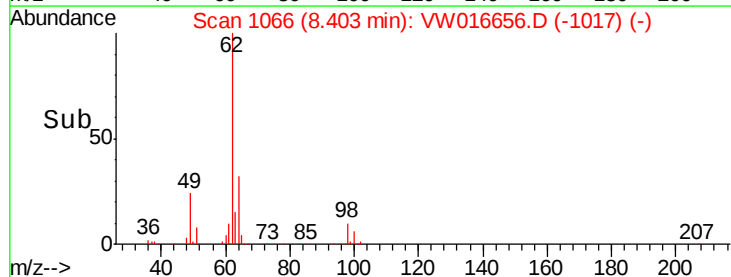
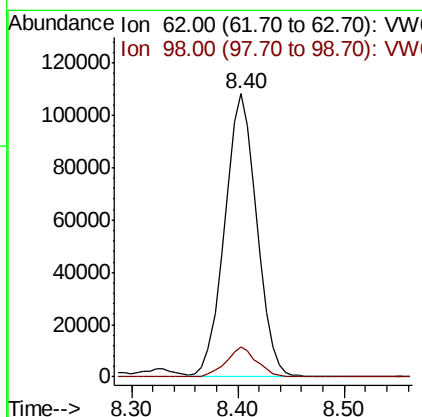
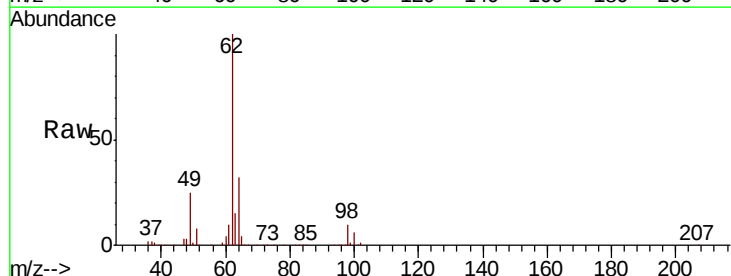
Instrument :
MSVOA_W
ClientSampleId :
VSTD025112

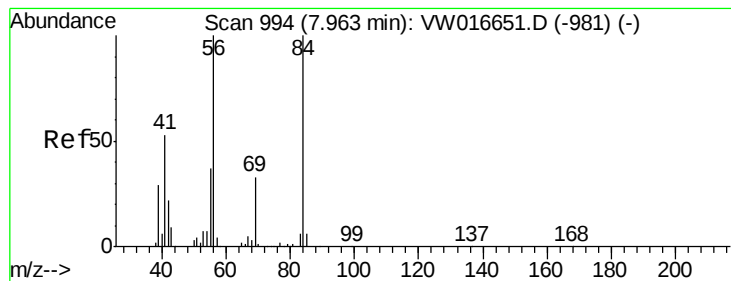
Tot Ion: 83 Resp: 358507
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 26.102 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

Tgt Ion: 62 Resp: 228184
Ion Ratio Lower Upper
62 100
98 10.4 7.3 10.9





#29

Cvclohexane

Concen: 23.417 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD025112

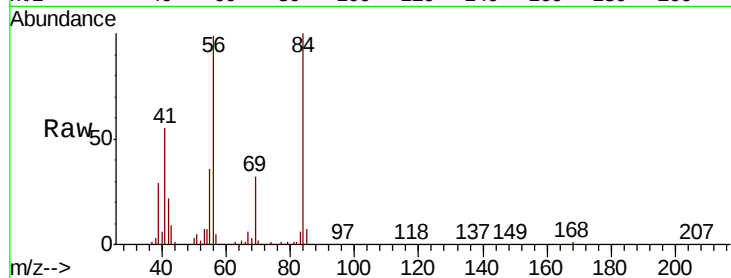
Tot Ion: 56 Resp: 286062

Ion Ratio Lower Upper

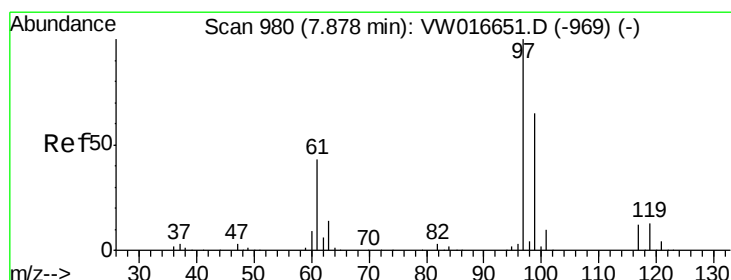
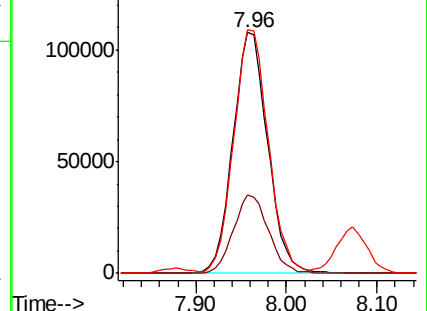
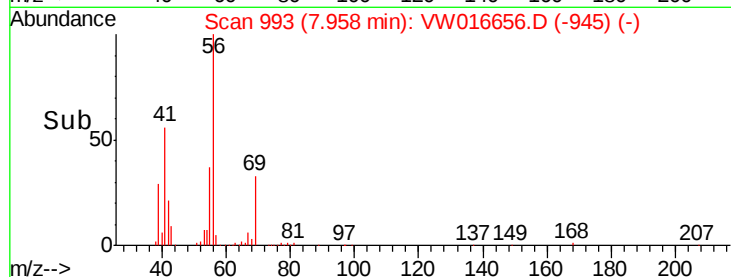
56 100

69 33.0 26.4 39.6

84 101.0 79.9 119.9



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



#30

1,1,1-Trichloroethane

Concen: 24.746 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

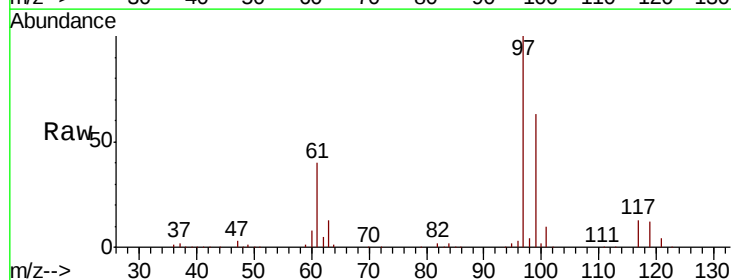
Tgt Ion: 97 Resp: 322632

Ion Ratio Lower Upper

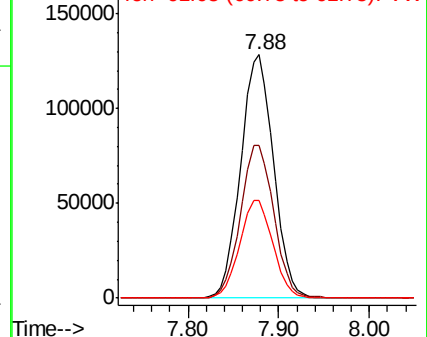
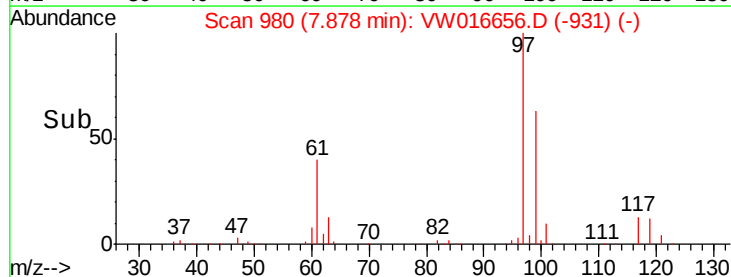
97 100

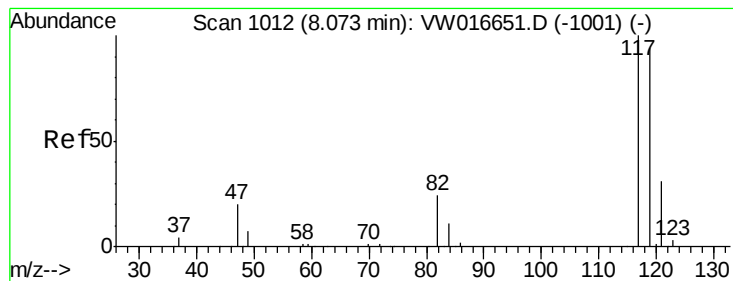
99 63.8 50.9 76.3

61 40.5 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW





#31

Carbon tetrachloride

Concen: 24.418 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

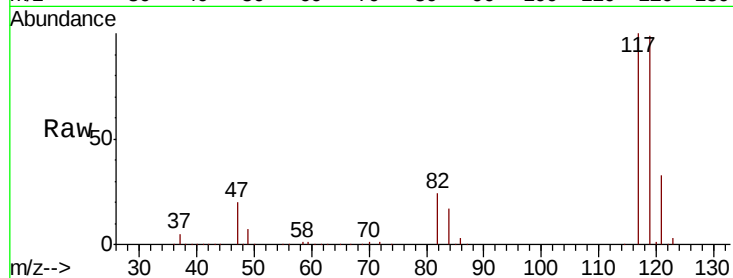
VSTD025112

Tot Ion:117 Resp: 310021

Ion Ratio Lower Upper

117 100

119 97.4 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

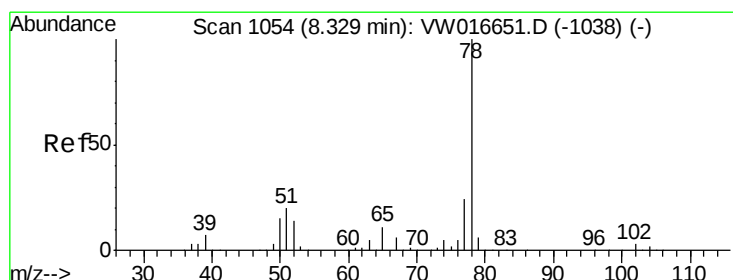
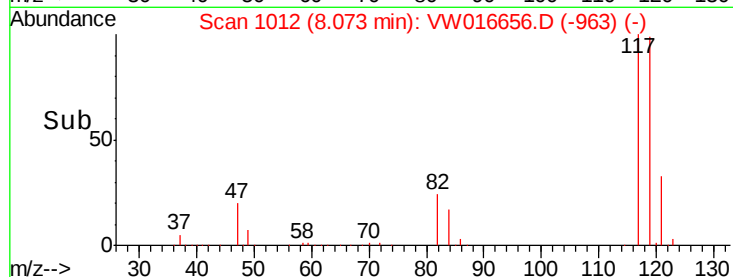
100000

50000

0

Time-->

8.00 8.10 8.20



#33

Benzene

Concen: 24.499 ug/L

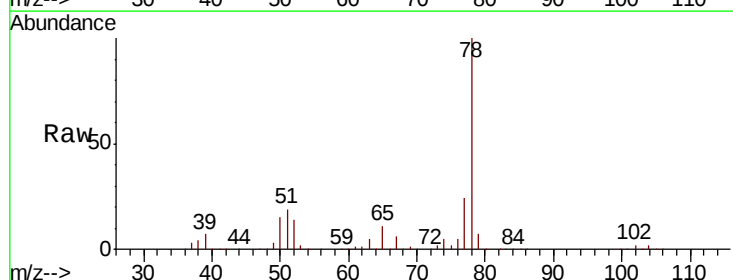
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Tgt Ion: 78 Resp: 742606



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

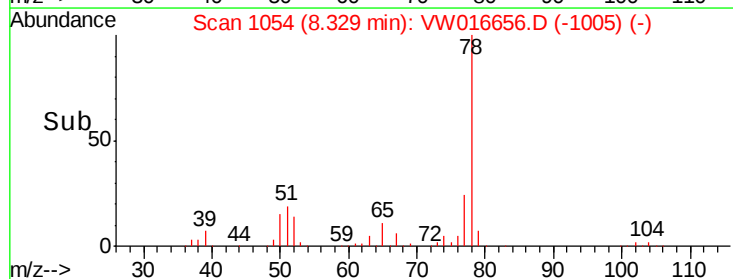
200000

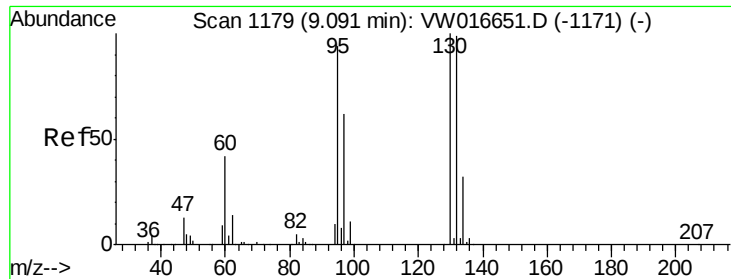
100000

0

Time-->

8.20 8.30 8.40

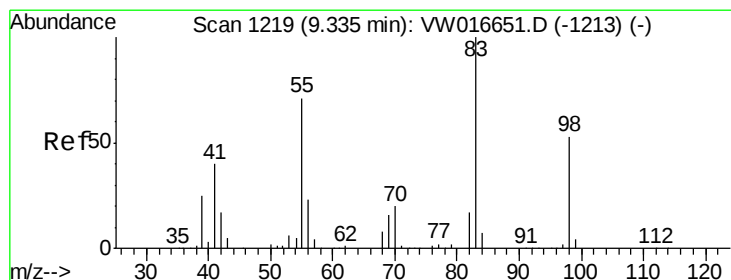
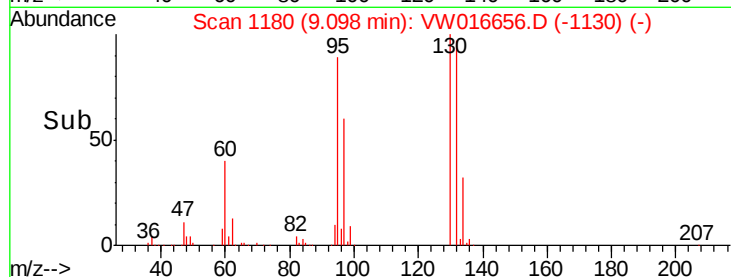
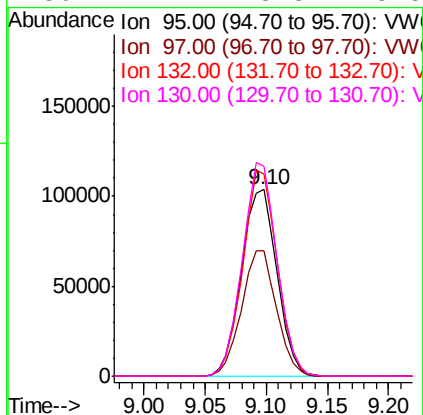
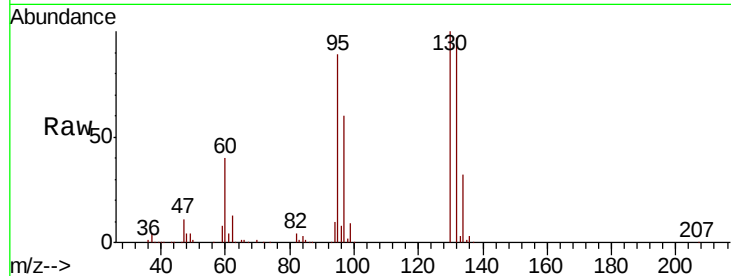




#34
 Trichloroethene
 Concen: 24.193 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

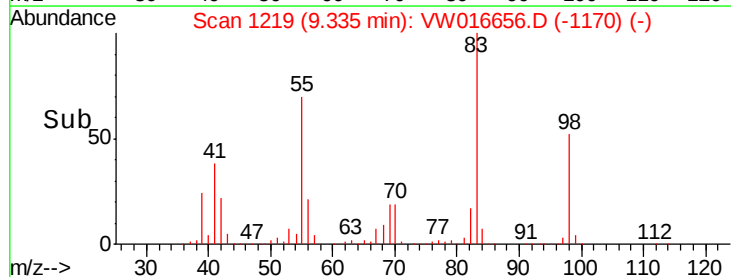
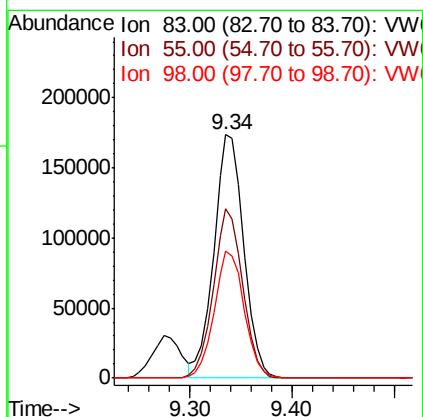
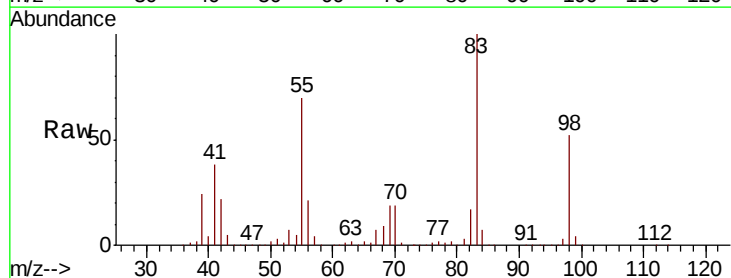
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

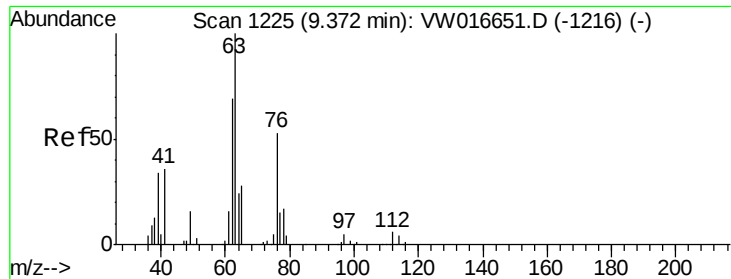
Tot Ion:	95	Resp:	210355
Ion	Ratio	Lower	Upper
95	100		
97	67.3	45.1	83.9
132	108.8	73.8	137.2
130	112.4	78.3	145.5



#35
 Methylcyclohexane
 Concen: 24.432 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

Tgt Ion:	83	Resp:	354851
Ion	Ratio	Lower	Upper
83	100		
55	68.4	55.9	83.9
98	52.6	41.5	62.3

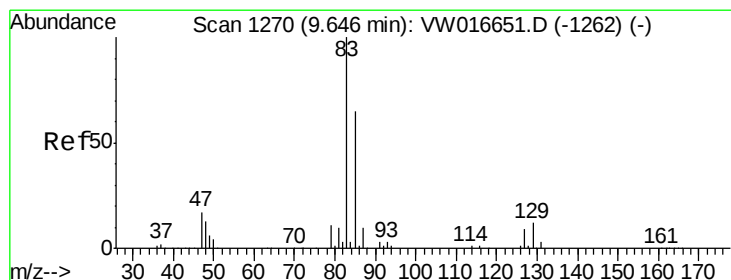
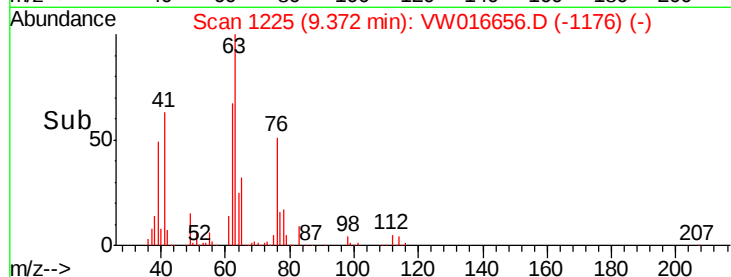
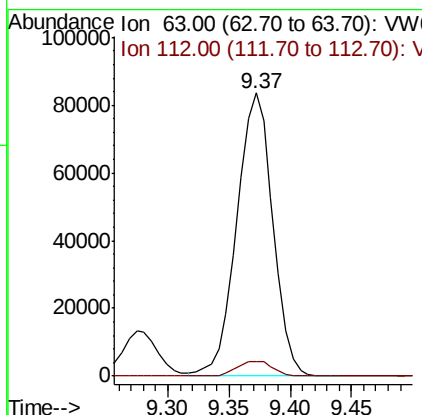
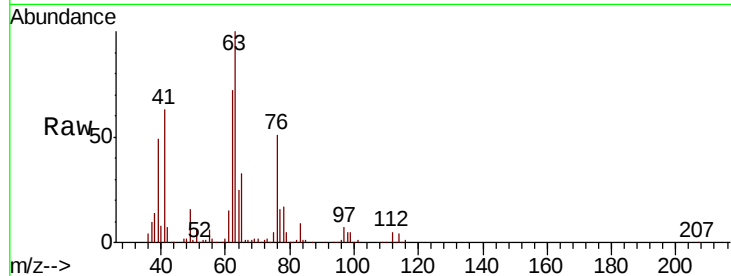




#37
 1,2-Dichloropropane
 Concen: 24.752 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

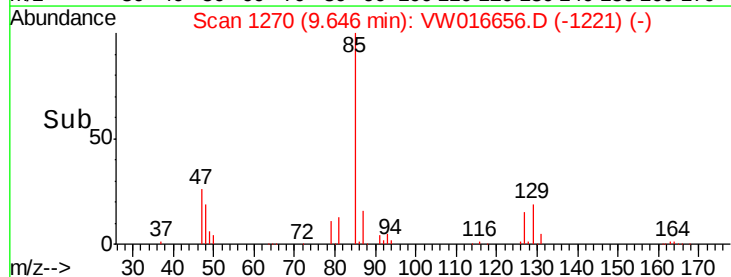
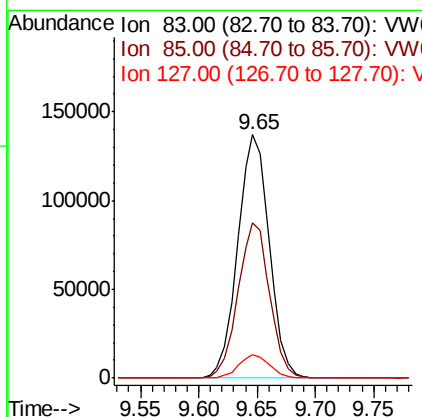
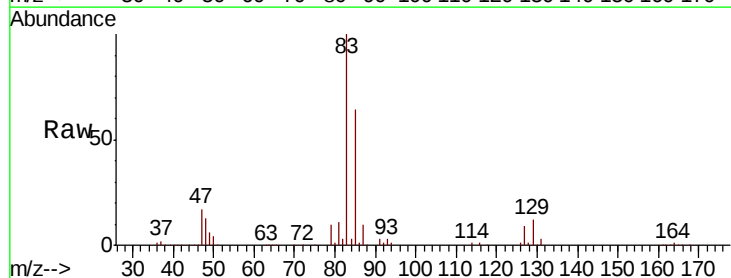
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

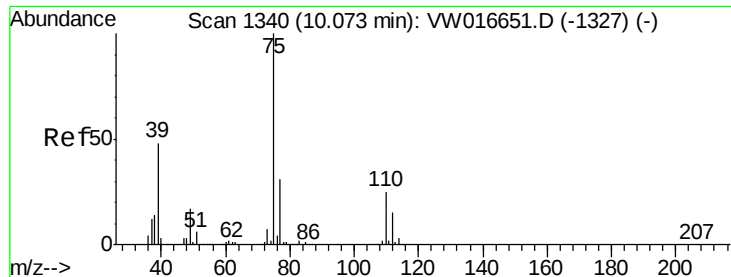
Tot Ion: 63 Resp: 171075
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#38
 Bromodichloromethane
 Concen: 25.197 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

Tgt Ion: 83 Resp: 258262
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.7 81.1
 127 9.5 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 25.448 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

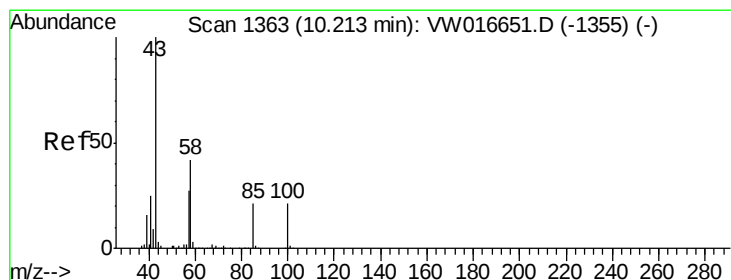
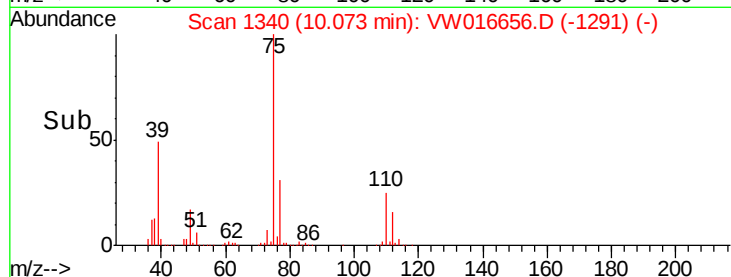
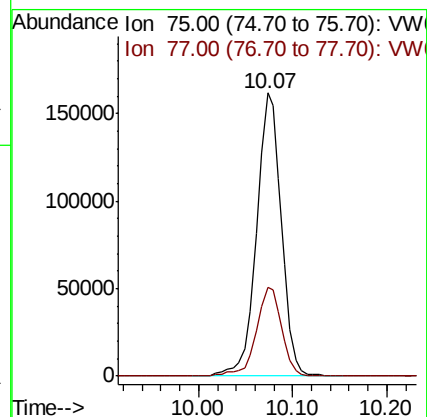
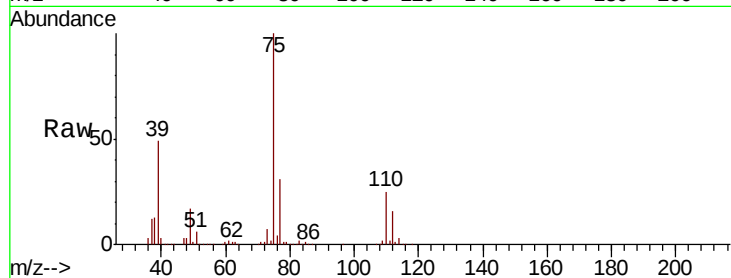
VSTD025112

Tot Ion: 75 Resp: 300246

Ion Ratio Lower Upper

75 100

77 31.2 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 54.488 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

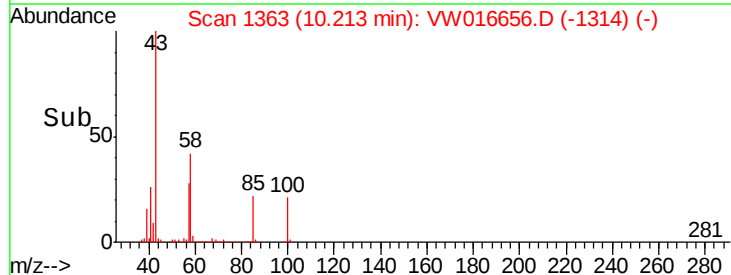
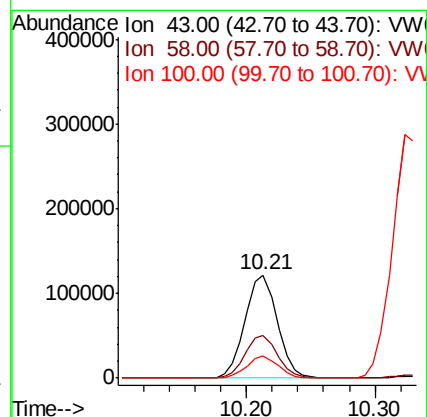
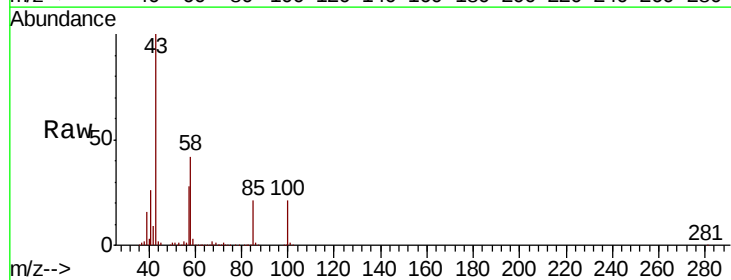
Tgt Ion: 43 Resp: 211013

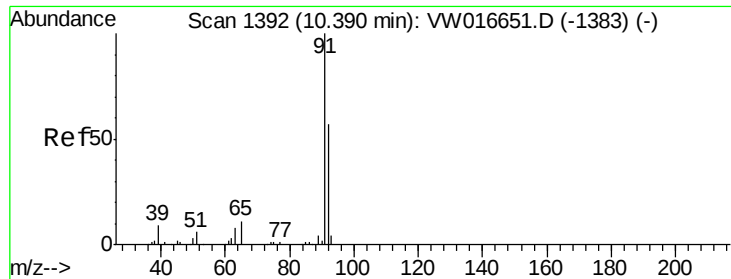
Ion Ratio Lower Upper

43 100

58 41.6 33.0 49.4

100 20.7 16.0 24.0





#42

Toluene

Concen: 24.783 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

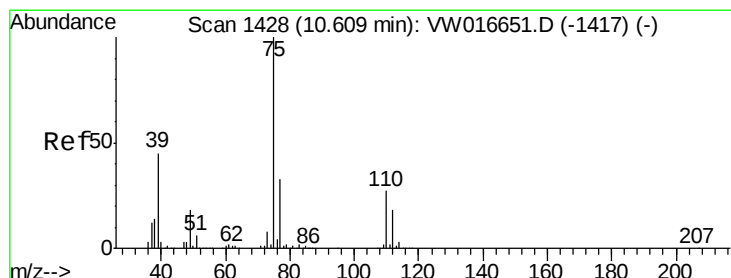
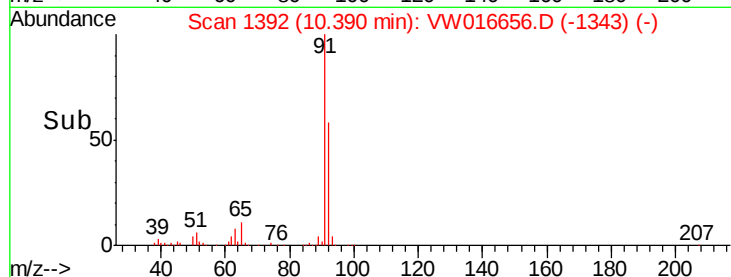
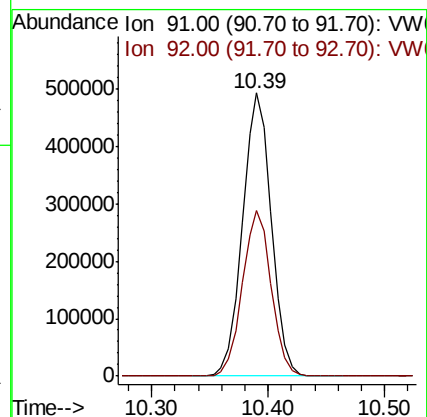
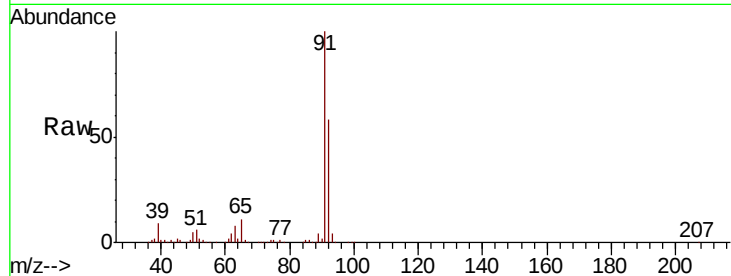
VSTD025112

Tot Ion: 91 Resp: 846309

Ion Ratio Lower Upper

91 100

92 58.4 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 25.961 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016656.D

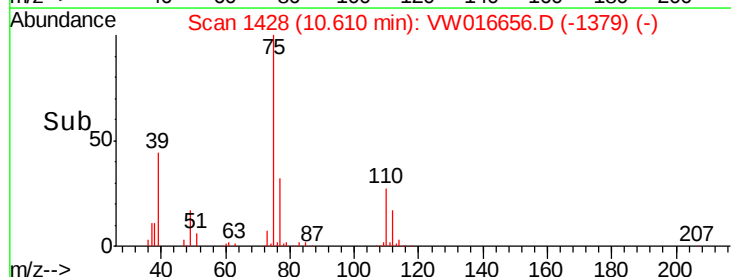
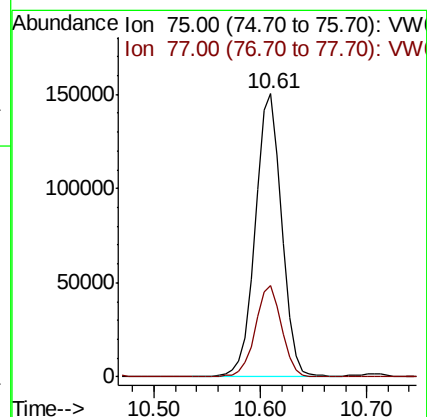
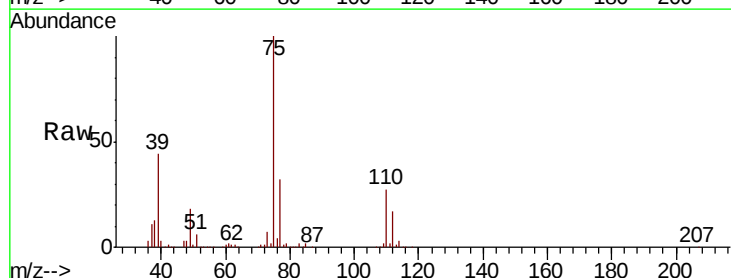
Acq: 25 Sep 2020 16:05

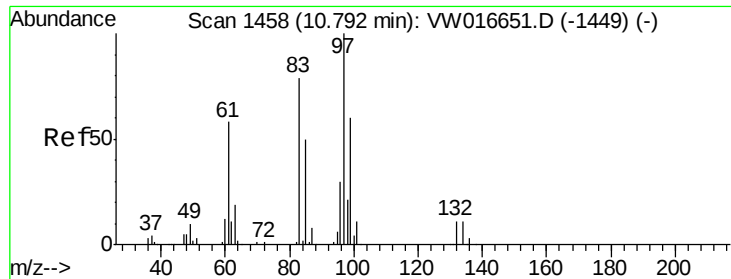
Tgt Ion: 75 Resp: 262705

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1

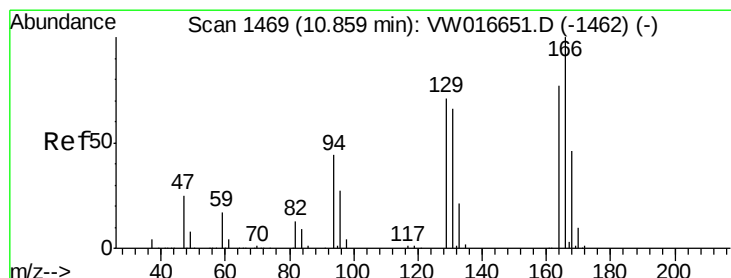
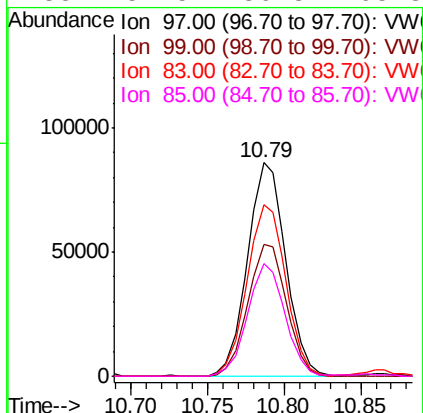
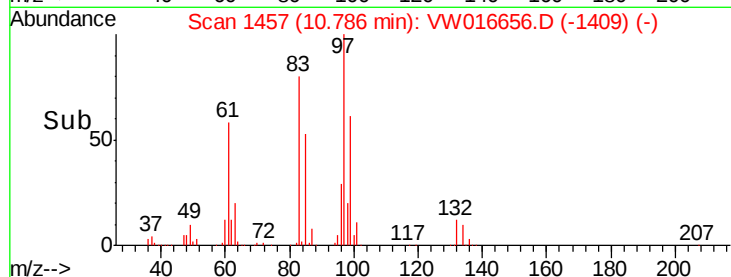
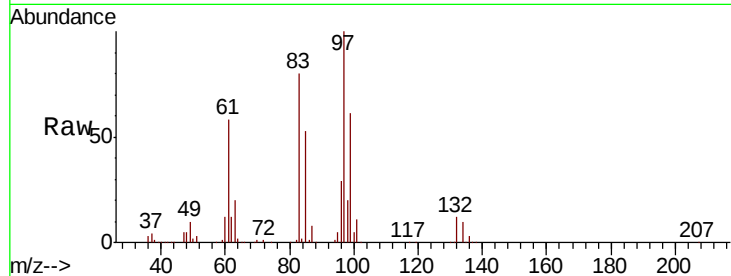




#45
 1,1,2-Trichloroethane
 Concen: 26.581 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

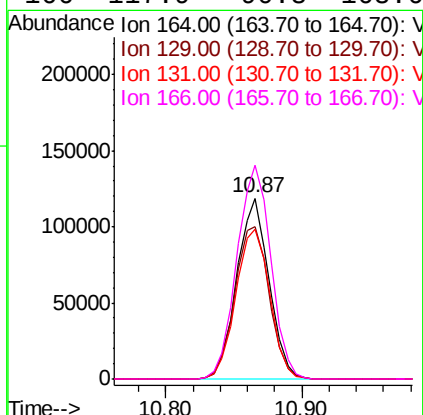
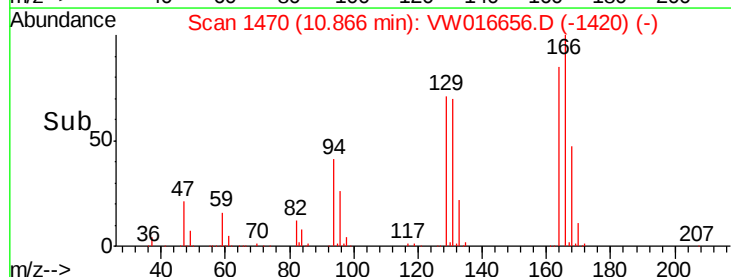
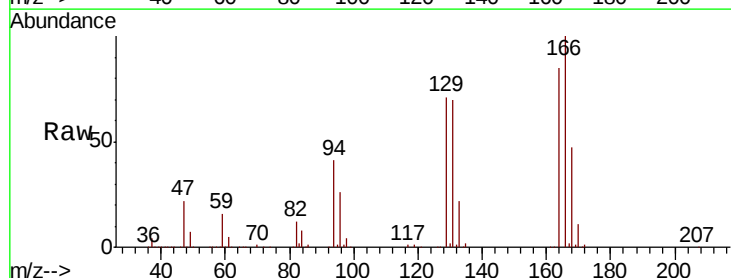
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

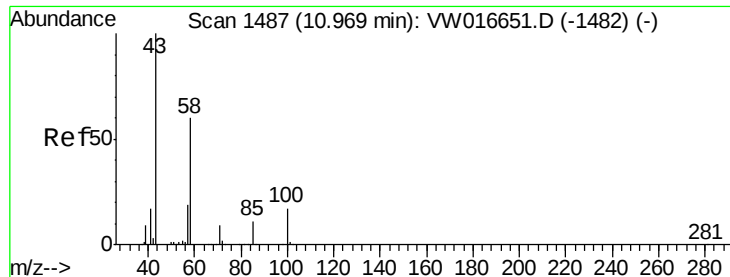
Tot Ion:	97	Resp:	149223
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.5	82.7
83	80.3	58.4	108.4
85	52.5	36.8	68.3



#46
 Tetrachloroethene
 Concen: 25.064 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

Tgt Ion:	164	Resp:	196582
Ion	Ratio	Lower	Upper
164	100		
129	83.9	61.4	114.0
131	82.6	62.8	116.6
166	117.9	90.8	168.6

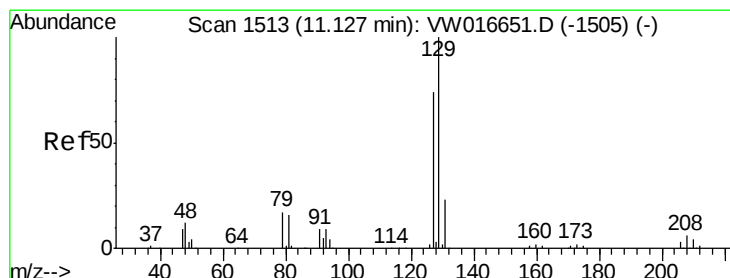
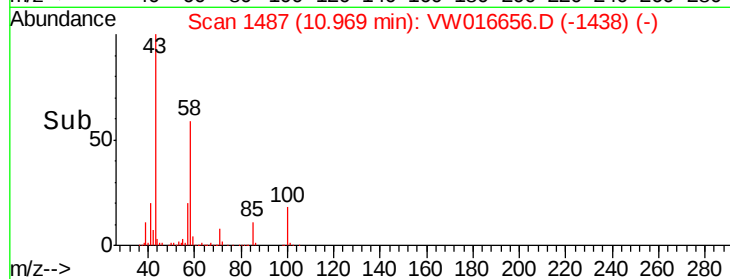
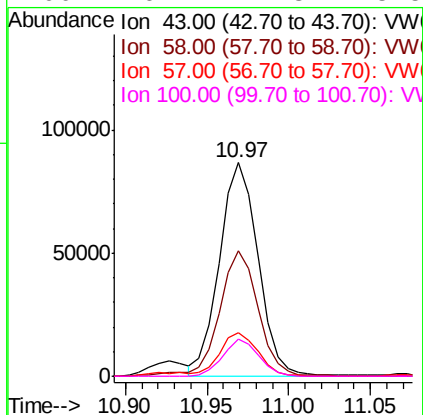
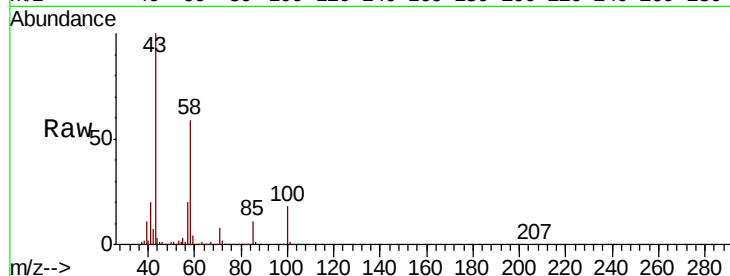




#48
2-Hexanone
Concen: 59.339 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

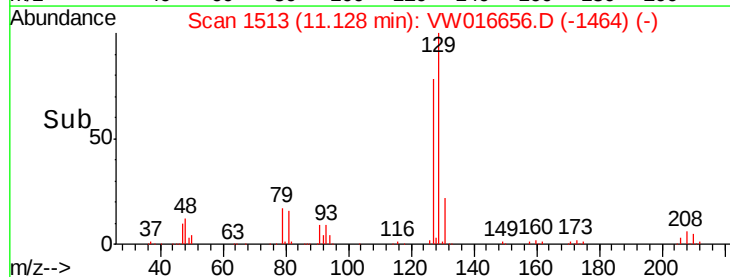
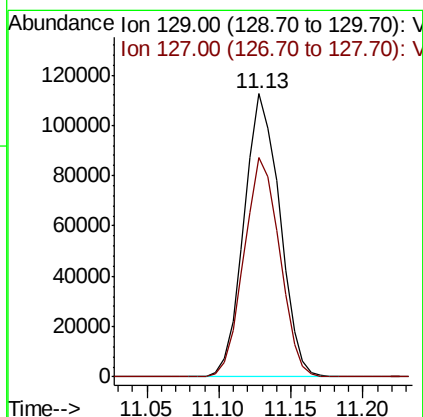
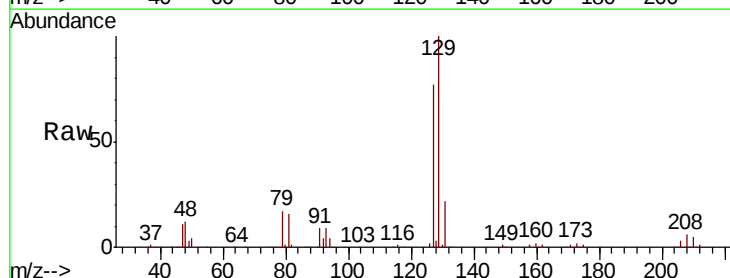
Instrument :
MSVOA_W
ClientSampleId :
VSTD025112

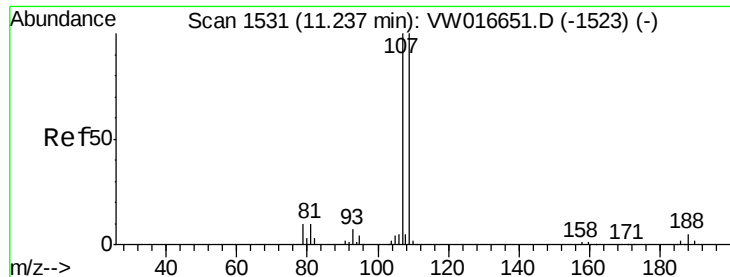
Tot Ion:	43	Resp:	142891
Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.9	68.9
57	20.0	16.6	24.8
100	16.7	12.3	18.5



#49
Dibromochloromethane
Concen: 26.217 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

Tgt Ion:	129	Resp:	193182
Ion	Ratio	Lower	Upper
129	100		
127	77.4	52.5	97.5

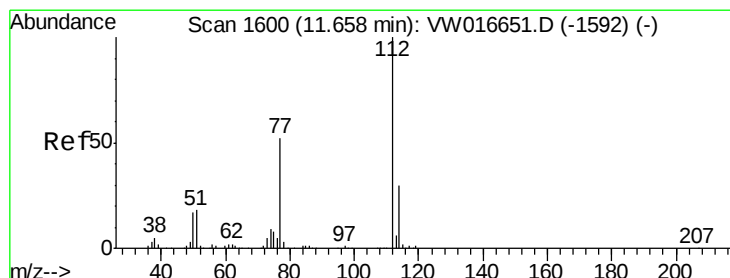
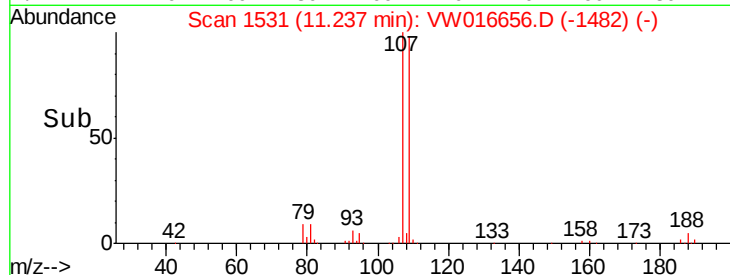
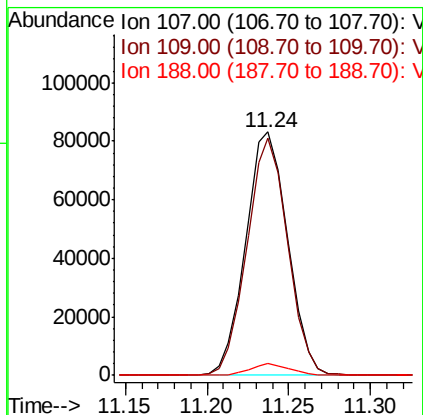
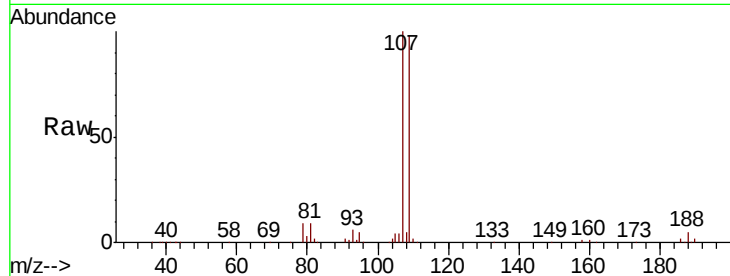




#50
1,2-Dibromoethane
Concen: 26.814 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

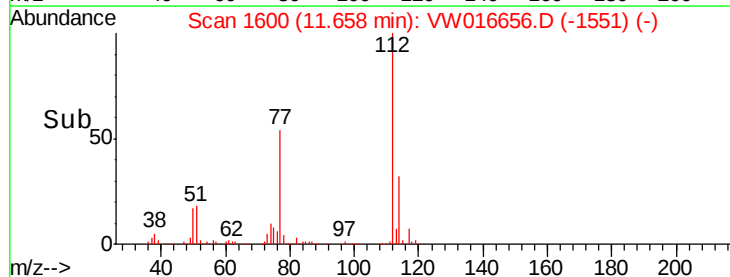
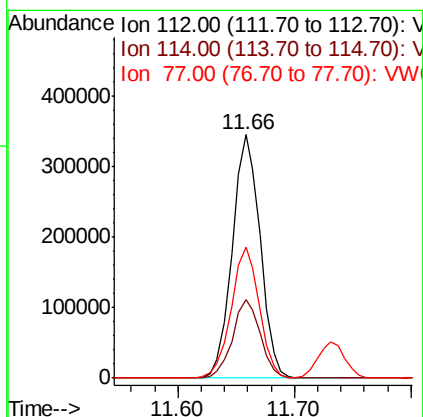
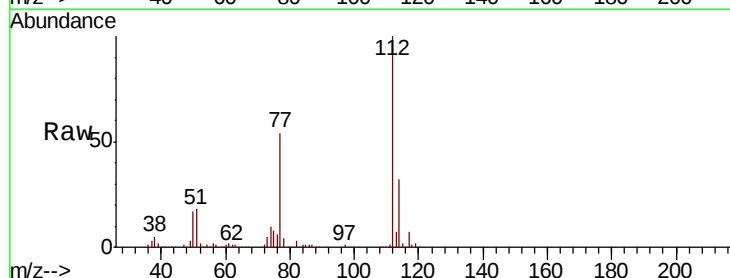
Instrument :
MSVOA_W
ClientSampled :
VSTD025112

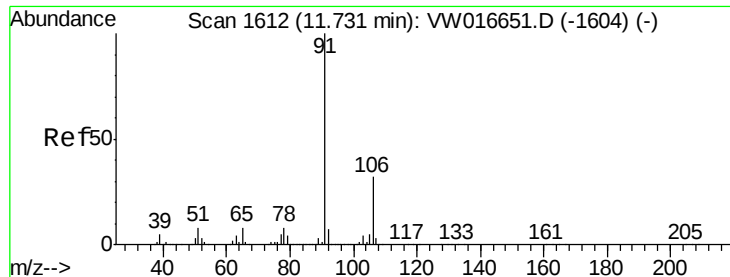
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.5	66.2	123.0
188	4.7	3.3	4.9



#51
Chlorobenzene
Concen: 25.373 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.9	42.5
77	53.9	43.8	65.8





#52

Ethylbenzene

Concen: 25.347 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

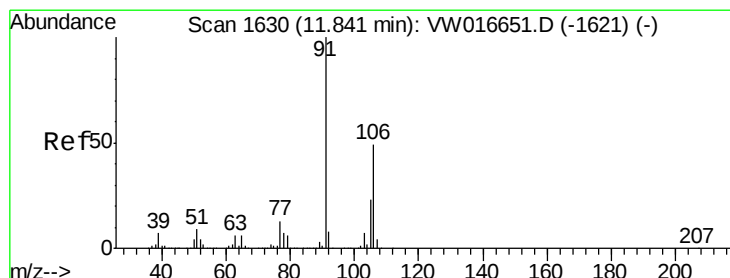
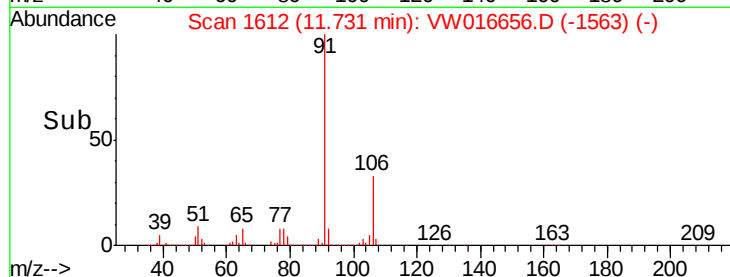
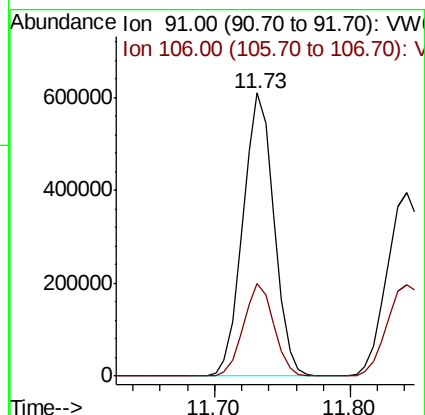
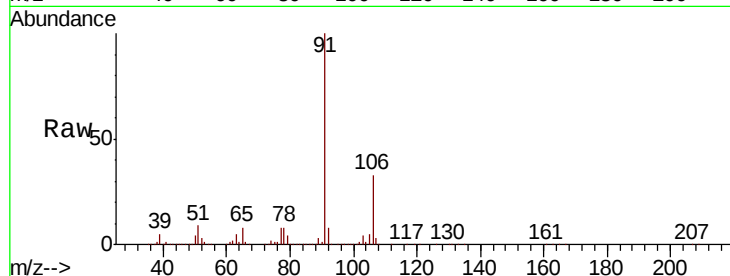
VSTD025112

Tot Ion: 91 Resp: 974603

Ion Ratio Lower Upper

91 100

106 32.6 22.0 41.0



#53

m,p-Xylene

Concen: 25.466 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016656.D

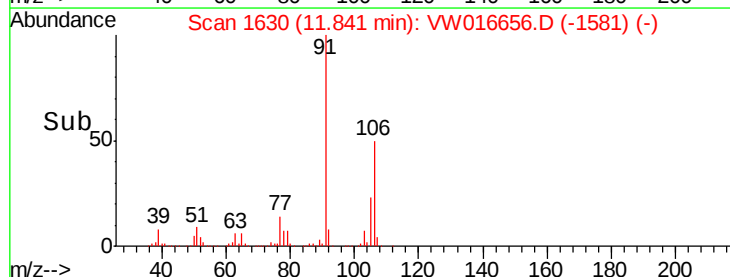
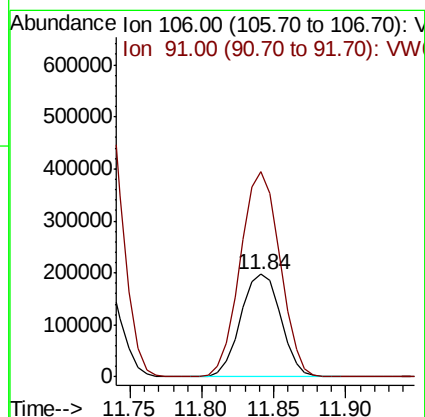
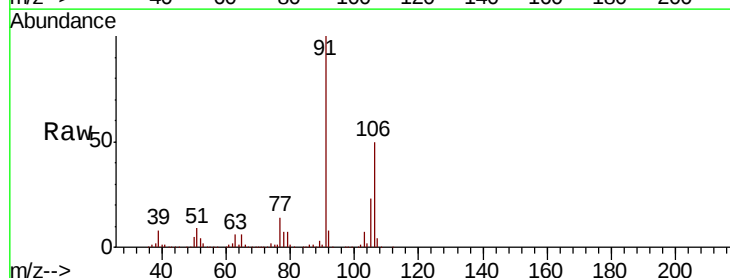
Acq: 25 Sep 2020 16:05

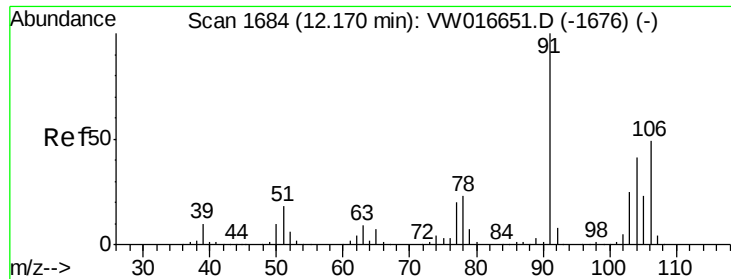
Tgt Ion: 106 Resp: 381445

Ion Ratio Lower Upper

106 100

91 200.5 136.2 252.9

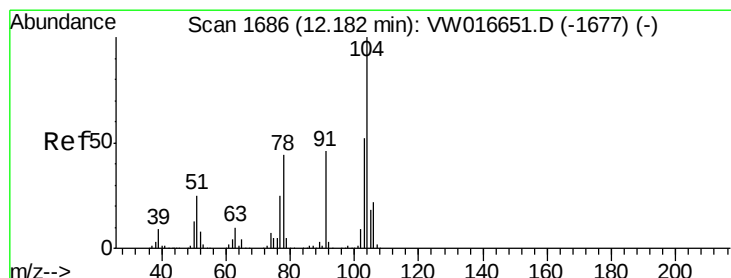
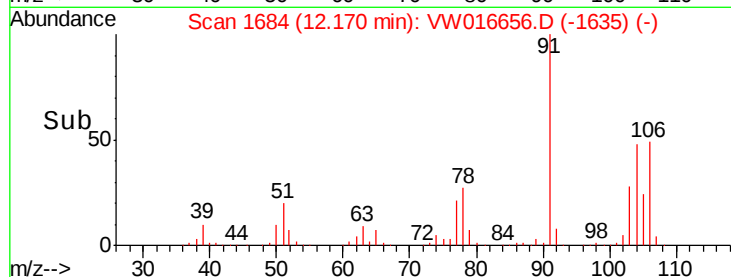
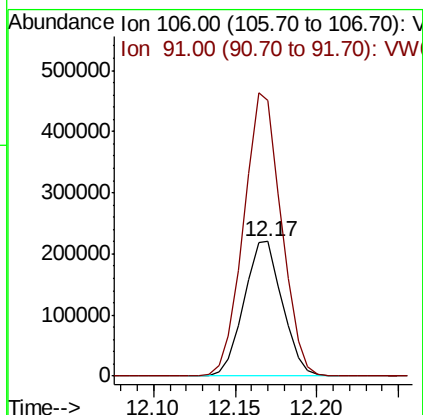
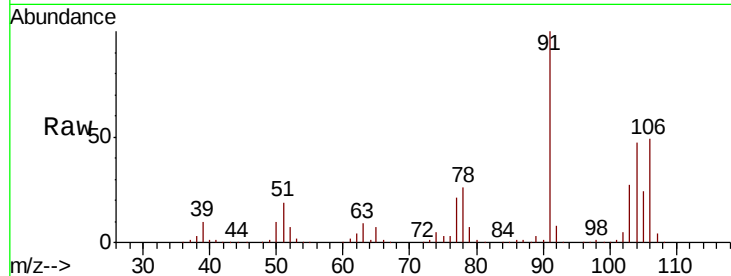




#54
o-Xylene
Concen: 25.462 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

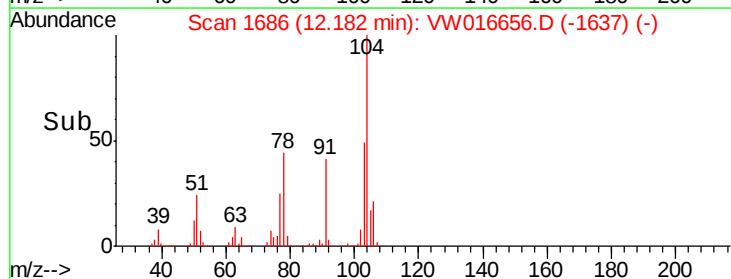
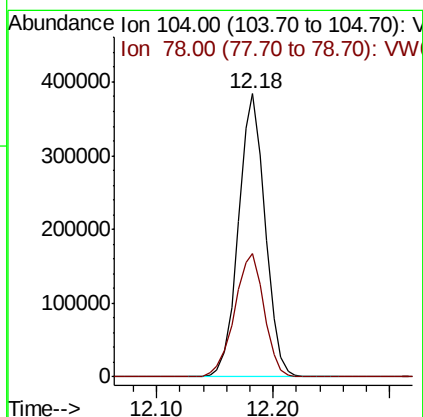
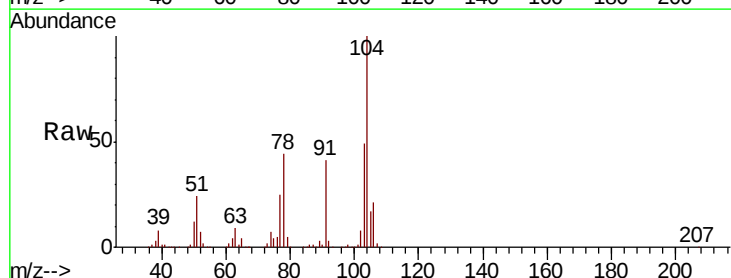
Instrument :
MSVOA_W
ClientSampleId :
VSTD025112

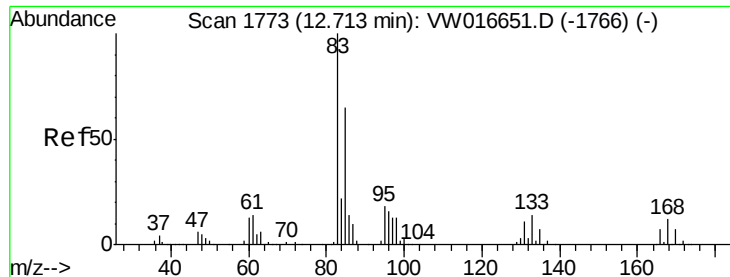
Tot Ion:106 Resp: 360983
Ion Ratio Lower Upper
106 100
91 205.0 143.4 266.2



#55
Styrene
Concen: 25.890 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

Tgt Ion:104 Resp: 611157
Ion Ratio Lower Upper
104 100
78 43.7 31.1 57.9

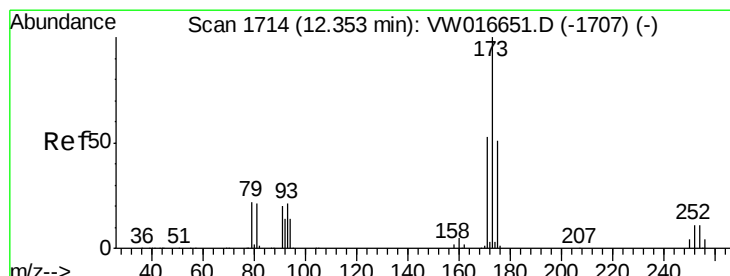
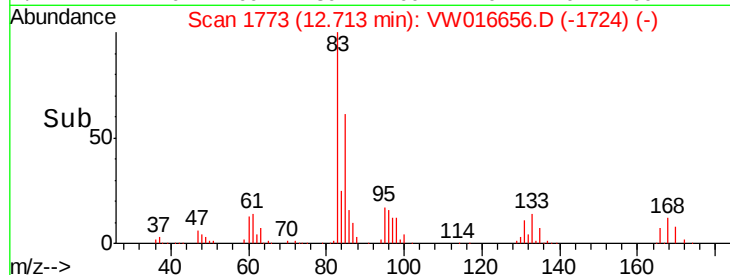
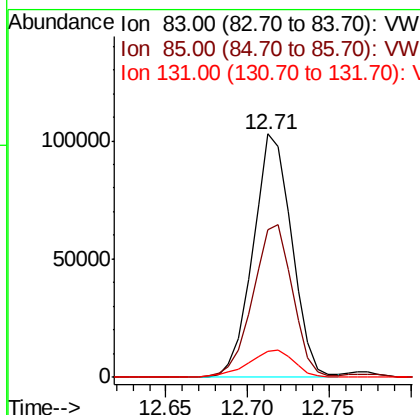
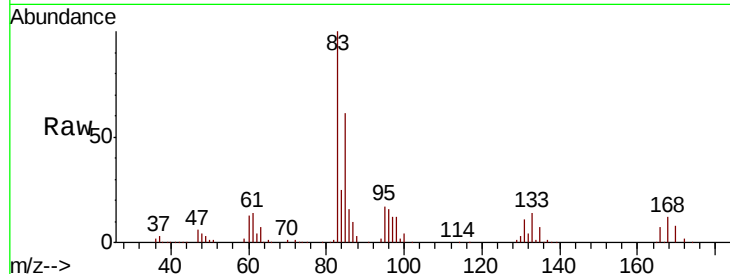




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.132 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

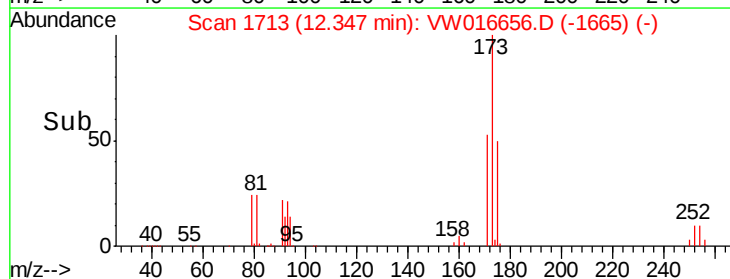
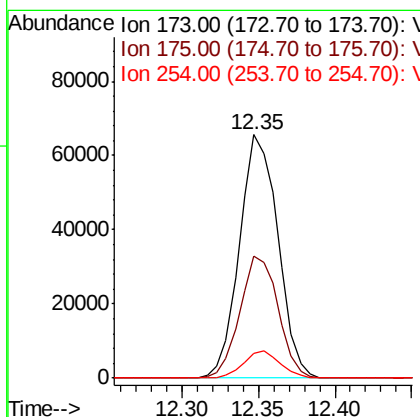
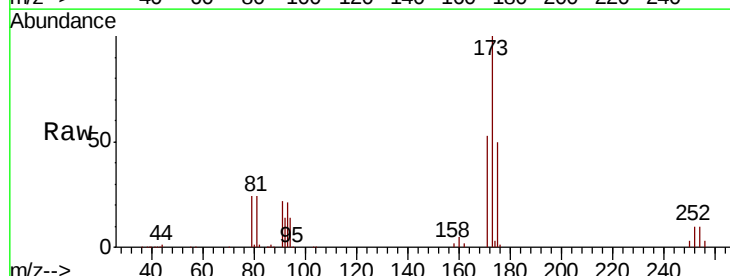
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

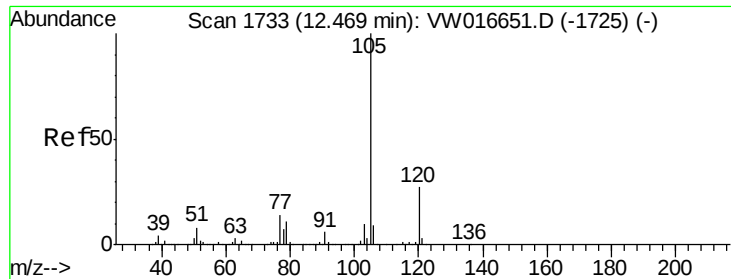
Tot Ion: 83 Resp: 170032
 Ion Ratio Lower Upper
 83 100
 85 60.6 46.3 85.9
 131 10.6 9.3 13.9



#59
 Bromoform
 Concen: 25.476 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

Tgt Ion: 173 Resp: 114654
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.7 59.5
 254 10.8 8.2 12.2





#60

Isopropylbenzene

Concen: 24.450 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD025112

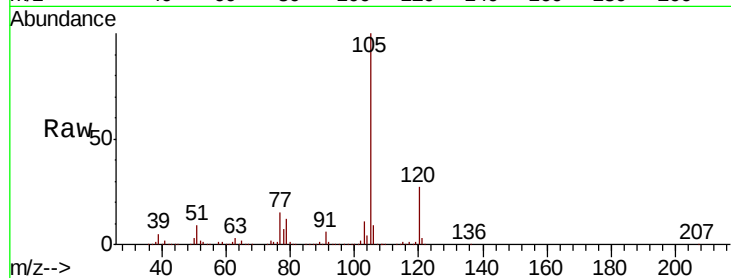
Tot Ion:105 Resp: 995165

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

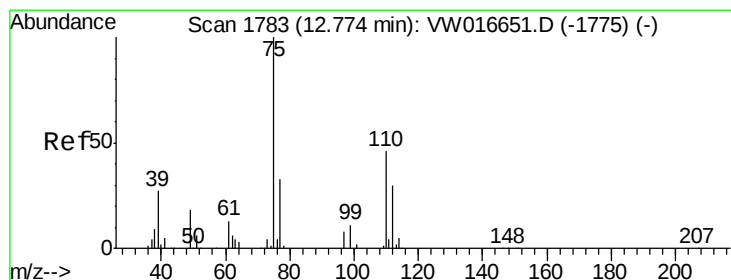
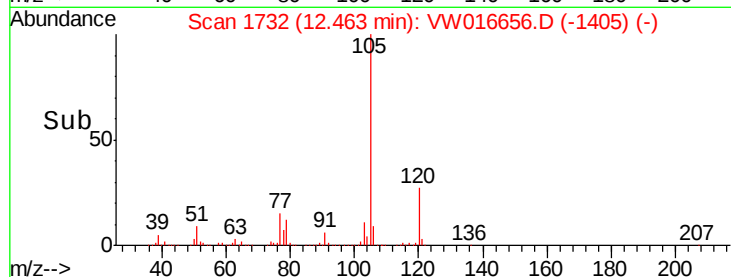
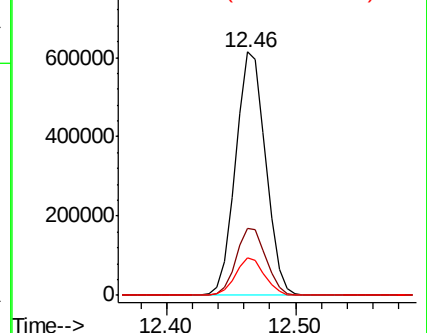
77 15.1 12.1 18.1



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: 27.065 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

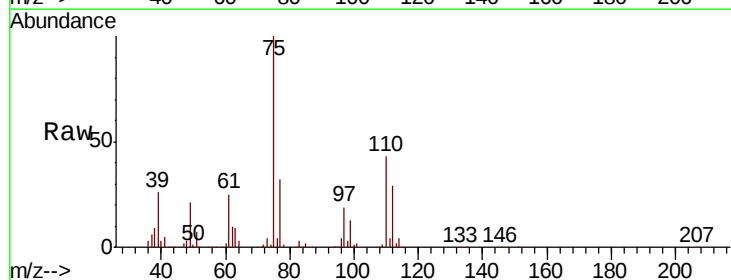
Tgt Ion: 75 Resp: 124339

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

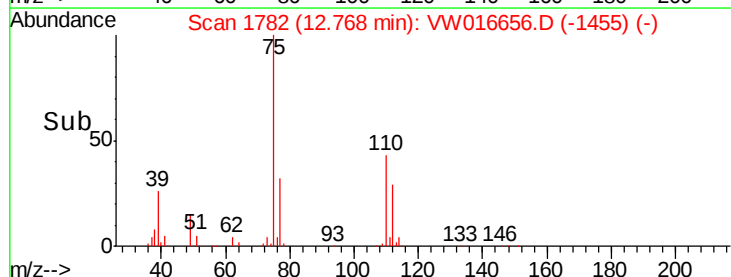
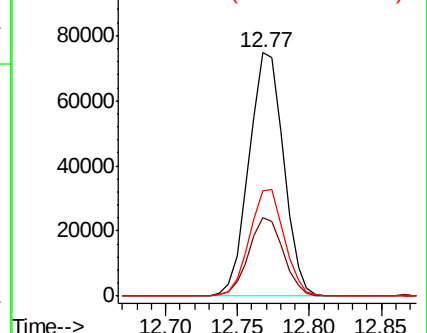
110 43.7 35.8 53.8

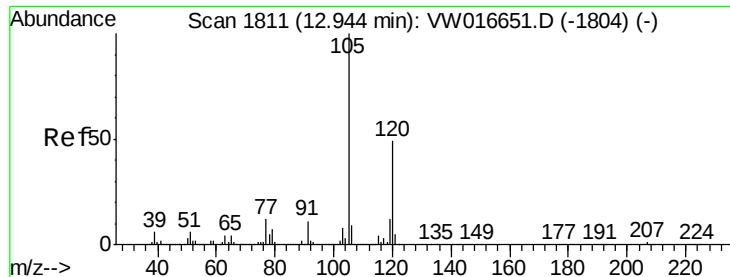


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 25.199 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016656.D

Acq: 25 Sep 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

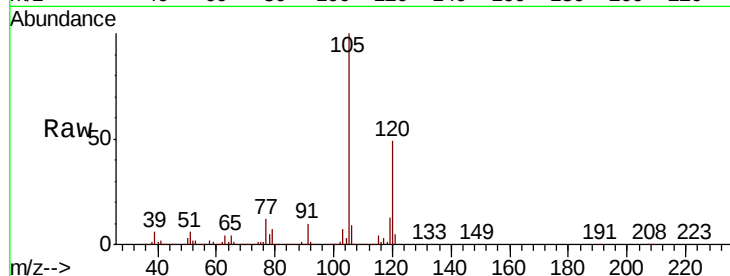
VSTD025112

Tot Ion:105 Resp: 844064

Ion Ratio Lower Upper

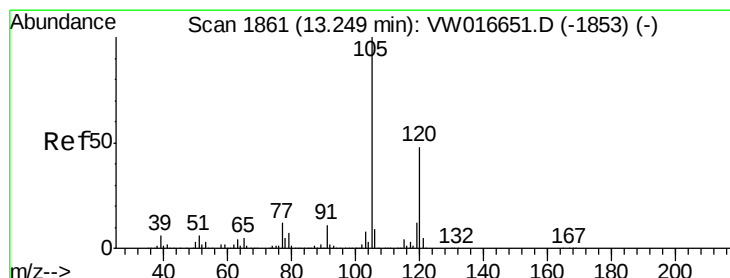
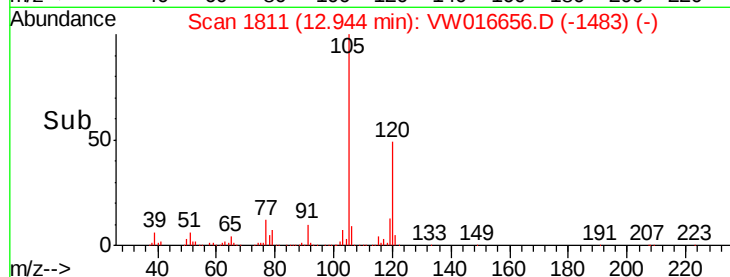
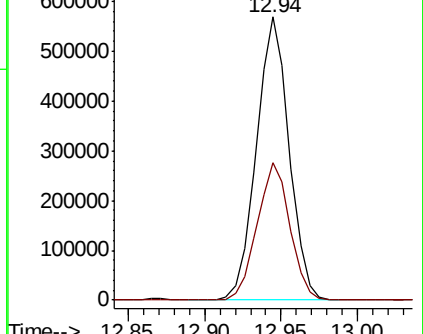
105 100

120 49.0 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 25.264 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW016656.D

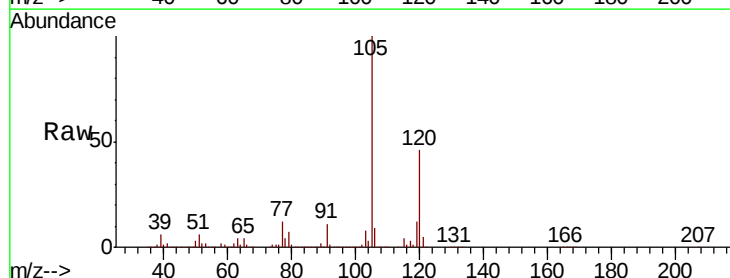
Acq: 25 Sep 2020 16:05

Tgt Ion:105 Resp: 841083

Ion Ratio Lower Upper

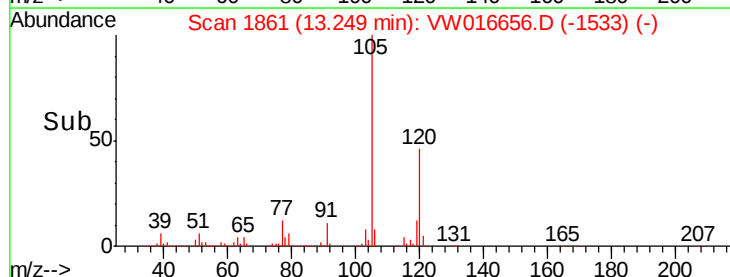
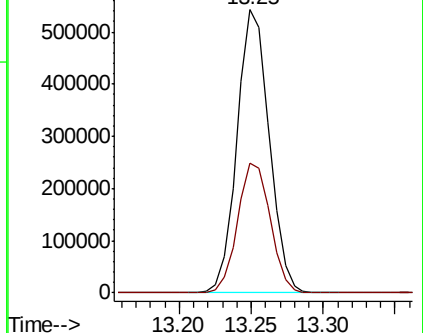
105 100

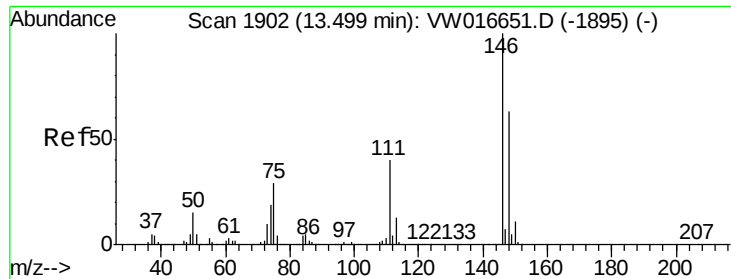
120 46.6 36.4 54.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

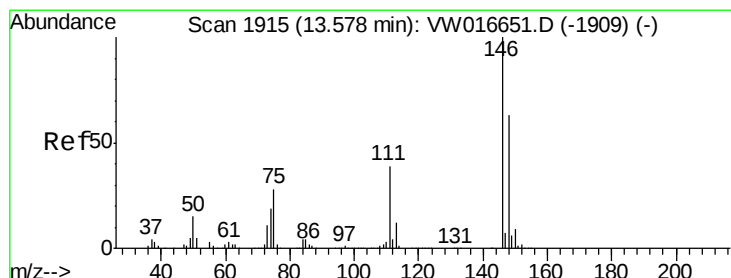
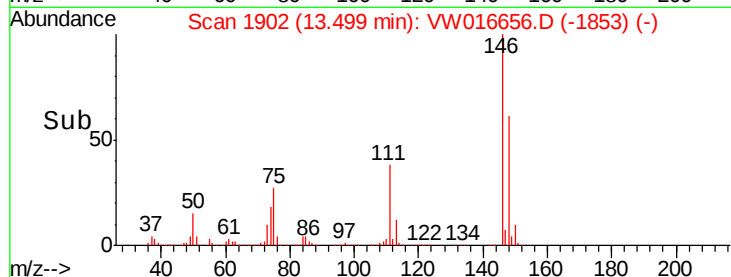
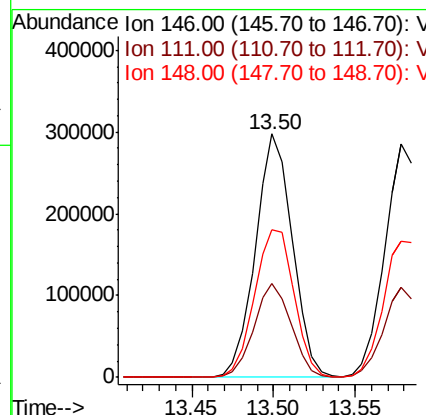
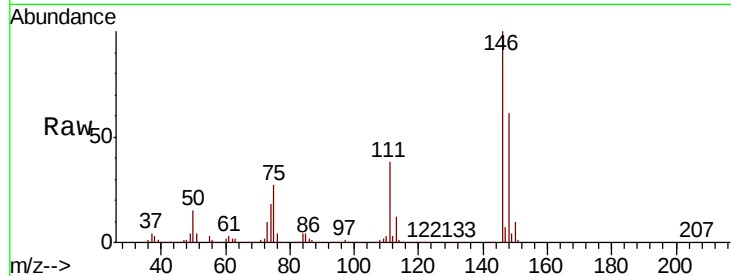




#64
 1,3-Dichlorobenzene
 Concen: 25.099 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

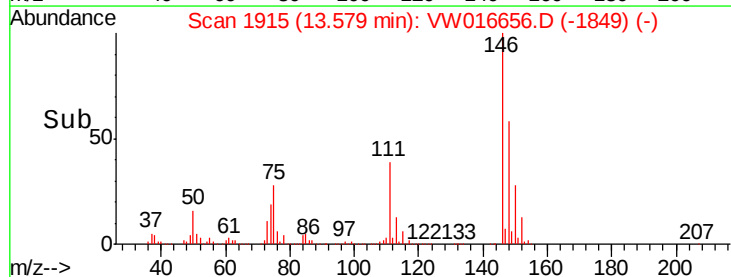
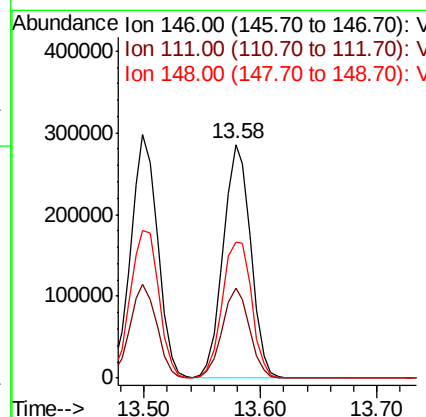
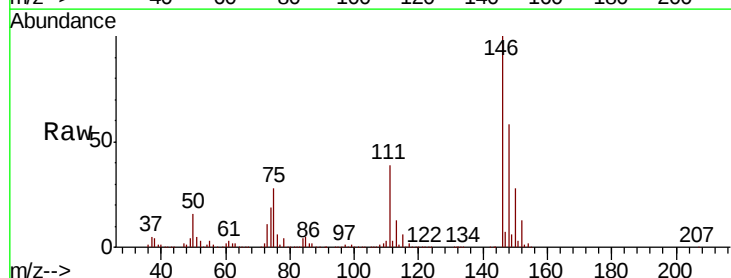
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

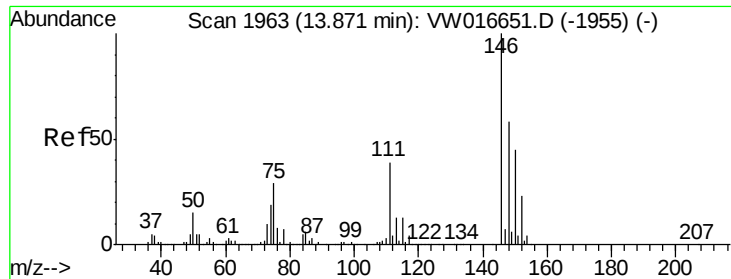
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	26.5	49.3
148	60.8	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 25.316 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.5	49.3
148	58.4	43.8	81.4

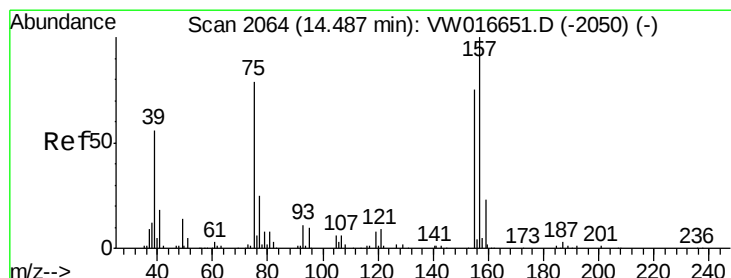
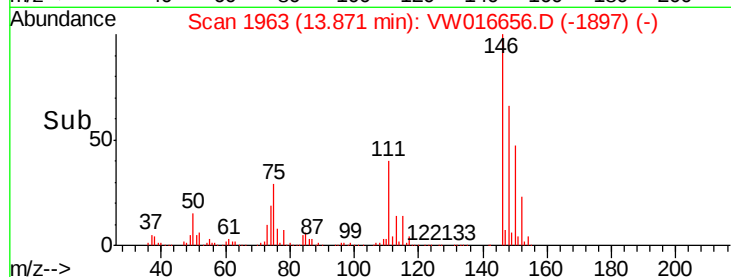
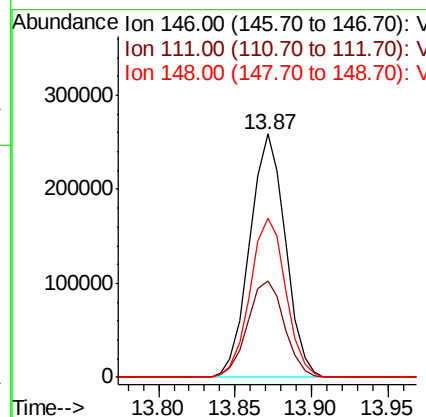
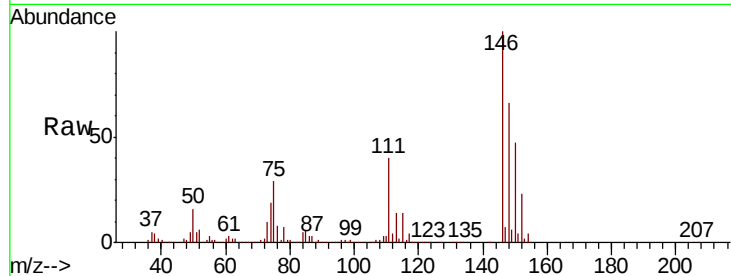




#67
 1,2-Dichlorobenzene
 Concen: 25.452 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

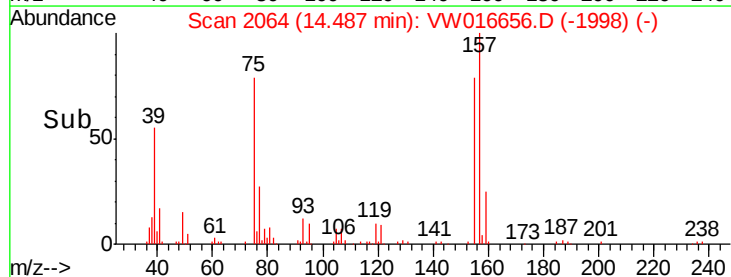
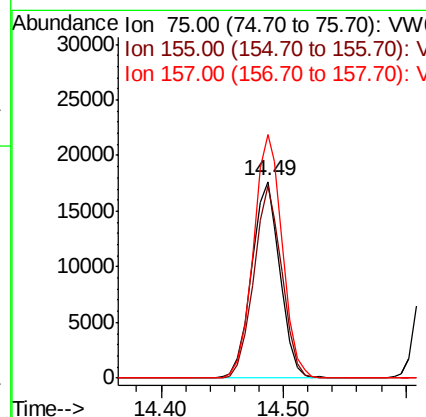
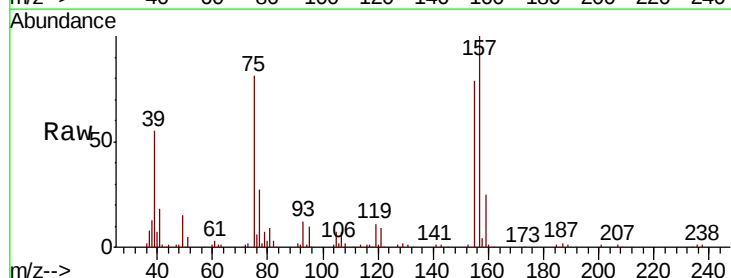
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

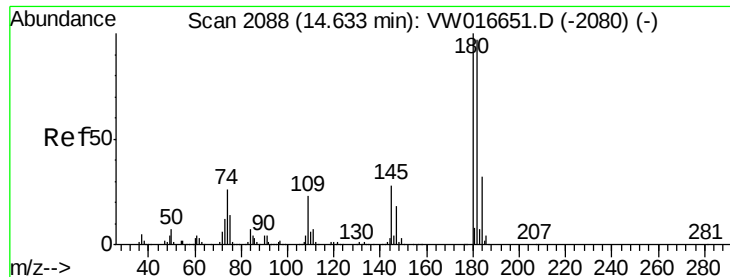
Tot Ion:146 Resp: 420622
 Ion Ratio Lower Upper
 146 100
 111 39.8 32.4 48.6
 148 65.6 52.2 78.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 26.354 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

Tgt Ion: 75 Resp: 28459
 Ion Ratio Lower Upper
 75 100
 155 97.9 76.6 115.0
 157 124.0 92.0 138.0

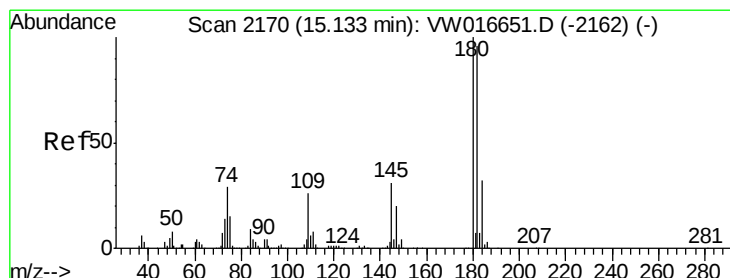
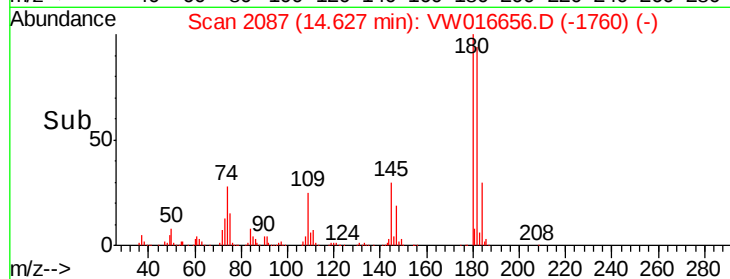
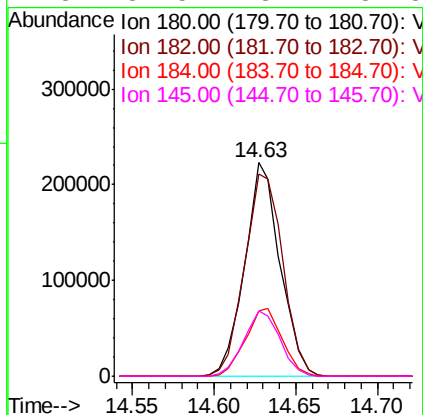
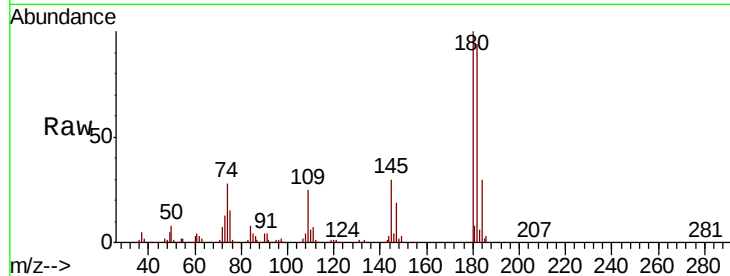




#69
 1,3,5-Trichlorobenzene
 Concen: 24.412 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

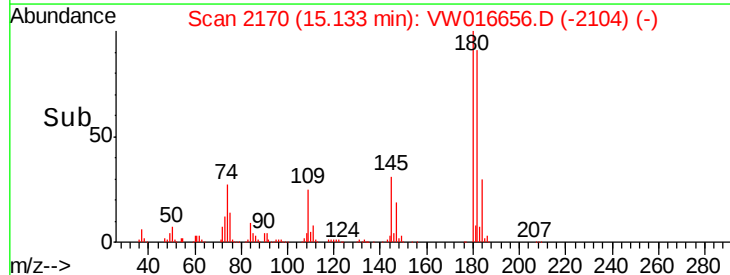
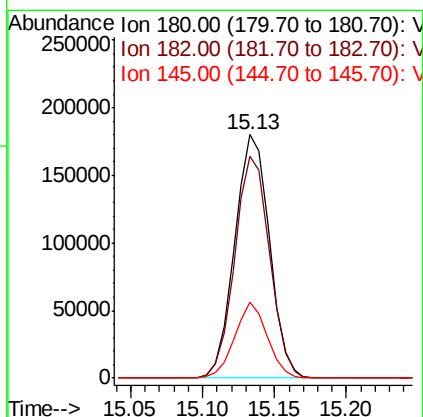
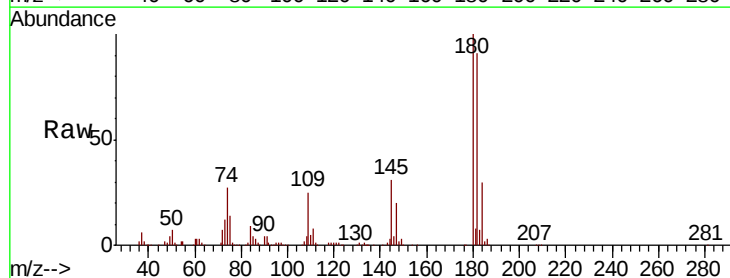
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025112

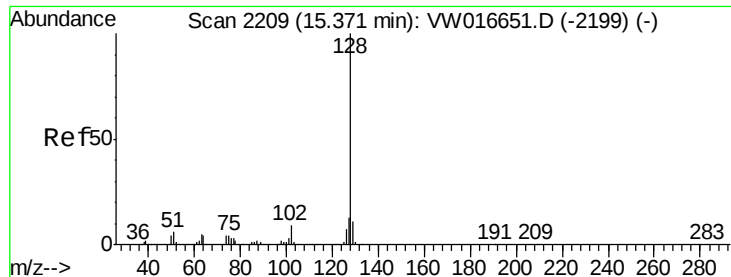
Tot Ion:180	Resp:	336586
Ion	Ratio	Lower Upper
180	100	
182	102.3	79.0 118.4
184	32.9	24.6 36.8
145	31.5	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 27.190 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016656.D
 Acq: 25 Sep 2020 16:05

Tgt Ion:180	Resp:	302763
Ion	Ratio	Lower Upper
180	100	
182	91.5	76.1 114.1
145	29.3	24.1 36.1

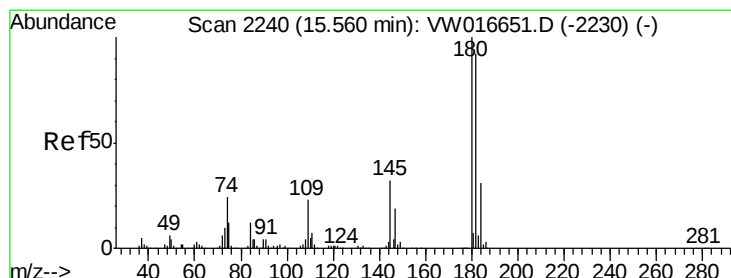
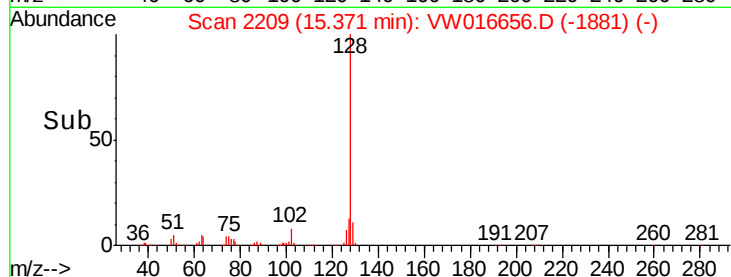
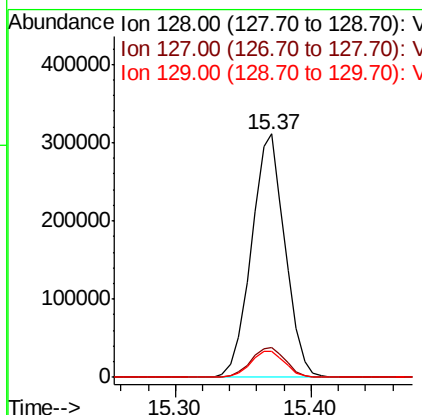
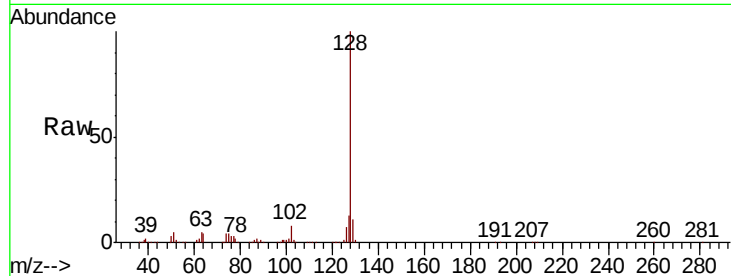




#71
Naphthalene
Concen: 28.707 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

Instrument :
MSVOA_W
ClientSampleId :
VSTD025112

Tot Ion:128 Resp: 536441
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 11.0 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 27.411 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016656.D
Acq: 25 Sep 2020 16:05

Tgt Ion:180 Resp: 256277
Ion Ratio Lower Upper
180 100
182 97.2 75.5 113.3
145 31.7 24.3 36.5

