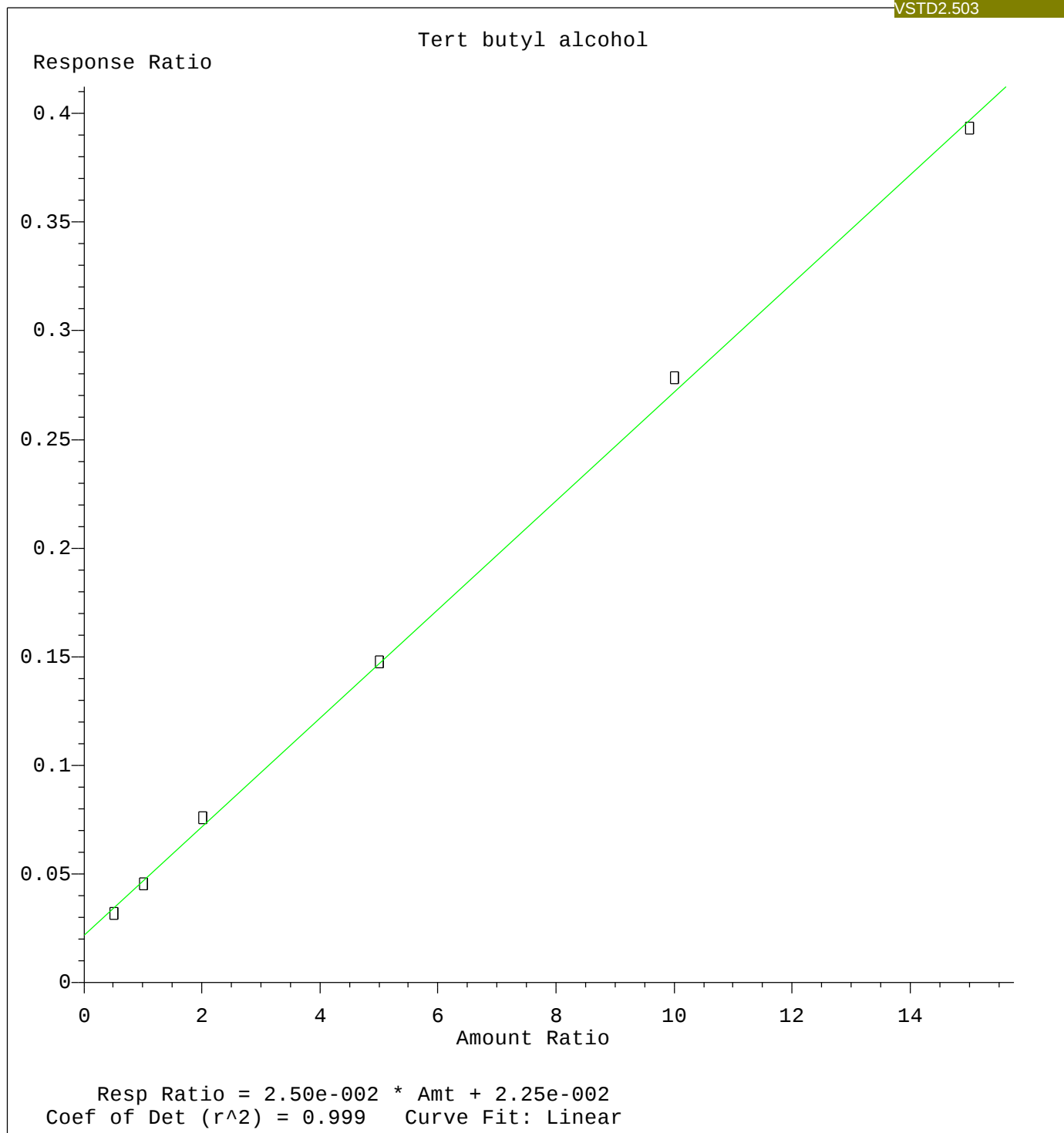


Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

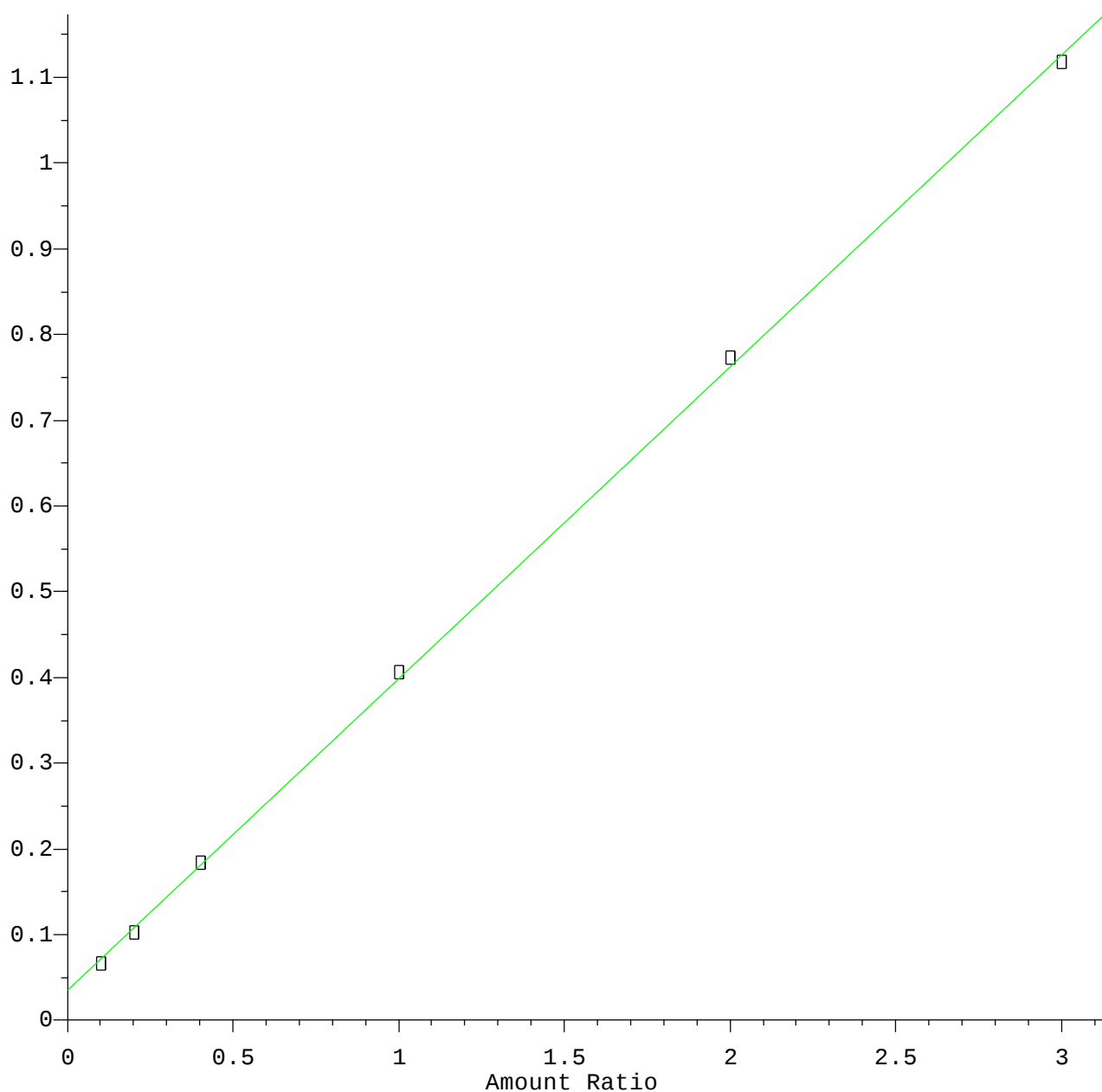


Method Name: Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Calibration Table Last Updated: Wed Sep 02 15:08:44 2020

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Methylene Chloride

Response Ratio



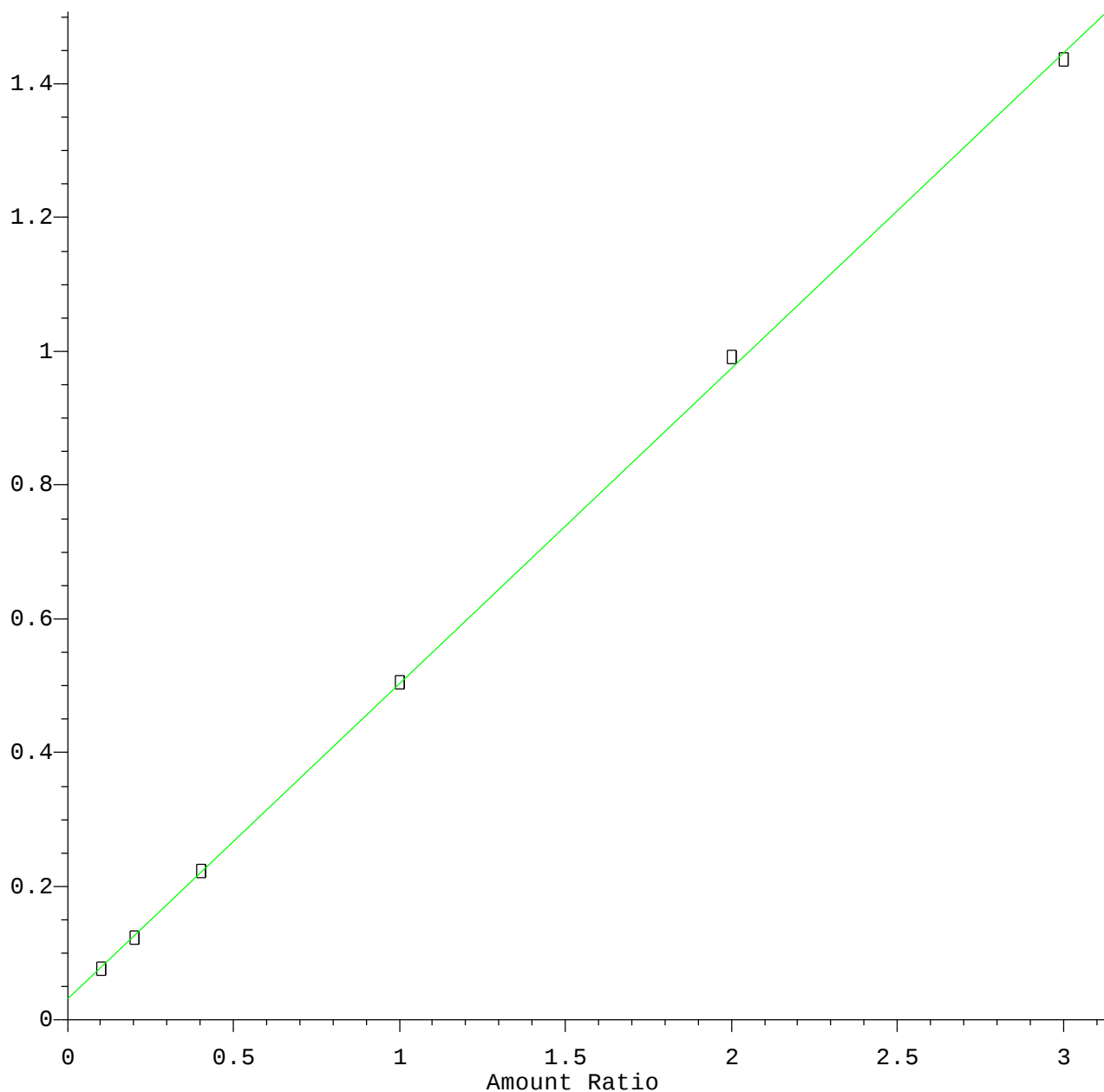
Resp Ratio = $3.64 \times 10^{-1} \times \text{Amt} + 3.46 \times 10^{-2}$
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Calibration Table Last Updated: Wed Sep 02 15:08:44 2020

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Cyclohexane

Response Ratio



Resp Ratio = $4.71e-001 * \text{Amt} + 3.19e-002$
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Calibration Table Last Updated: Wed Sep 02 15:08:44 2020

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090320\
 Data File : VW016439.D
 Acq On : 03 Sep 2020 11:34
 Operator : SY/VA
 Sample : VSTD2.503
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Quant Time: Sep 03 13:33:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 13:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	987877	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	873995	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	406562	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	29602	2.77	ug/L	0.00
7) Chloroethane-d5	2.90	69	25833	3.07	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	66608	2.65	ug/L	0.00
20) 2-Butanone-d5	7.09	46	17799	5.66	ug/L	0.00
24) Chloroform-d	7.65	84	59044	2.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.32	65	33612	2.55	ug/L	0.00
29) Benzene-d6	8.28	84	120149	2.48	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	34628	2.55	ug/L	0.00
37) Toluene-d8	10.33	98	113781	2.50	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	17620	2.68	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	13861	6.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28255	2.52	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	37300	2.45	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.22	50	22909	2.555 ug/L	99
5) Vinyl chloride	2.37	62	29478	2.465 ug/L	96
6) Bromomethane	2.79	94	21626	2.703 ug/L	100
8) Chloroethane	2.93	64	18422	2.711 ug/L	90
9) Trichlorofluoromethane	3.27	101	25795	2.113 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	30464	2.258 ug/L #	85
12) 1,1-Dichloroethene	4.05	96	30473	2.318 ug/L	94
13) Acetone	4.13	43	13993	5.753 ug/L	100
14) Carbon disulfide	4.40	76	93094	2.368 ug/L	96
16) Methylene chloride	4.93	84	68002	3.763 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	28148	1.469 ug/L #	75
18) trans-1,2-Dichloroethene	5.43	96	32253	2.335 ug/L	97
19) 1,1-Dichloroethane	6.22	63	55612	2.435 ug/L	94
21) 2-Butanone	7.18	43	27646	7.631 ug/L	85
22) cis-1,2-Dichloroethene	7.18	96	34094	2.352 ug/L	95
23) Bromochloromethane	7.52	128	15171	2.290 ug/L	91
25) Chloroform	7.68	83	56784	2.333 ug/L	99
27) 1,2-Dichloroethane	8.40	62	38419	2.489 ug/L	100
30) Cyclohexane	7.96	56	54851	2.809 ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	50528	2.422 ug/L	97
32) Carbon tetrachloride	8.07	117	47761	2.397 ug/L	97
34) Benzene	8.33	78	125491	2.491 ug/L	100
35) Trichloroethene	9.10	95	34162	2.399 ug/L	98
36) Methylcyclohexane	9.34	83	61914	2.640 ug/L	98
40) 1,2-Dichloropropane	9.37	63	30432	2.545 ug/L	98
41) Bromodichloromethane	9.65	83	43145	2.569 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	51437	2.630 ug/L	91
43) 4-Methyl-2-pentanone	10.21	43	42132	5.711 ug/L	98
44) Toluene	10.39	91	141860	2.576 ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	45020	2.596 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090320\
 Data File : VW016439.D
 Acq On : 03 Sep 2020 11:34
 Operator : SY/VA
 Sample : VSTD2.503
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Quant Time: Sep 03 13:33:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 13:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

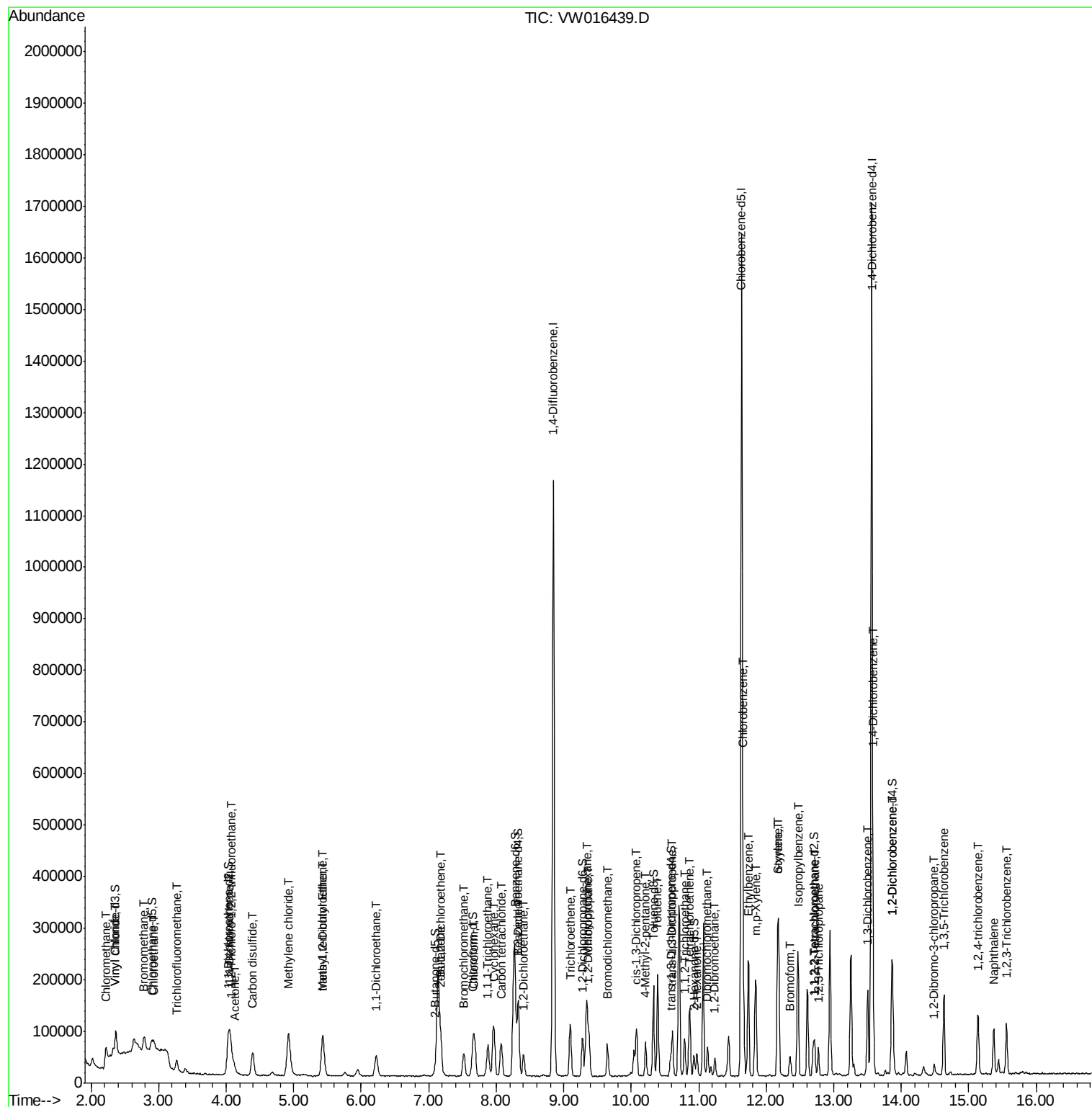
46) 1,1,2-Trichloroethane	10.79	97	23407	2.401	ug/L	97
47) Tetrachloroethene	10.87	164	28961	2.579	ug/L	93
49) 2-Hexanone	10.97	43	29166	6.050	ug/L	99
50) Dibromochloromethane	11.13	129	29526	2.426	ug/L	91
51) 1,2-Dibromoethane	11.24	107	24148	2.521	ug/L #	99
52) Chlorobenzene	11.66	112	86206	2.365	ug/L	94
53) Ethylbenzene	11.73	91	156903	2.492	ug/L	99
54) m,p-Xylene	11.84	106	60514	2.509	ug/L	99
55) o-xylene	12.17	106	56746	2.496	ug/L	95
56) Styrene	12.18	104	94643	2.476	ug/L	98
57) Isopropylbenzene	12.47	105	154759	2.459	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	27732	2.439	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	20631	2.447	ug/L	99
62) Bromoform	12.35	173	16548	2.464	ug/L #	99
63) 1,3-Dichlorobenzene	13.51	146	65404	2.398	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	64808	2.344	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	60162	2.466	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	5303	2.719	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.63	180	47707	2.534	ug/L	95
68) 1,2,4-trichlorobenzene	15.14	180	35552	2.390	ug/L	99
69) Naphthalene	15.37	128	75195	2.537	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	32962	2.522	ug/L	96

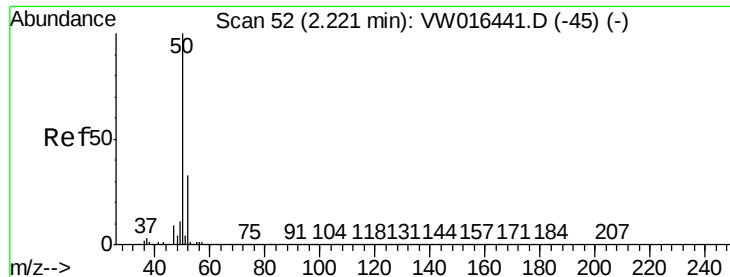
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090320\
Data File : VW016439.D
Acq On : 03 Sep 2020 11:34
Operator : SY/VA
Sample : VSTD2.503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Quant Time: Sep 03 13:33:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 03 13:30:56 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 2.555 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

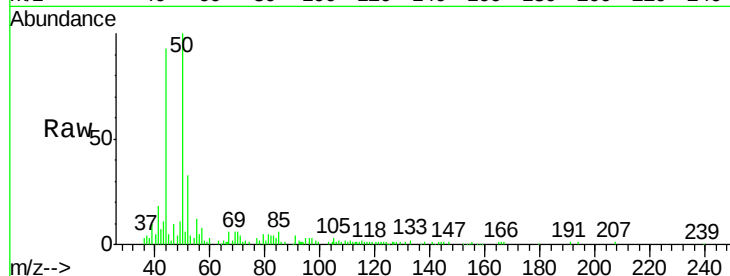
VSTD2.503

Tgt Ion: 50 Resp: 22909

Ion Ratio Lower Upper

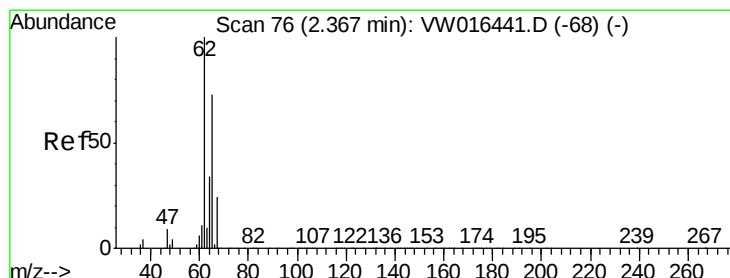
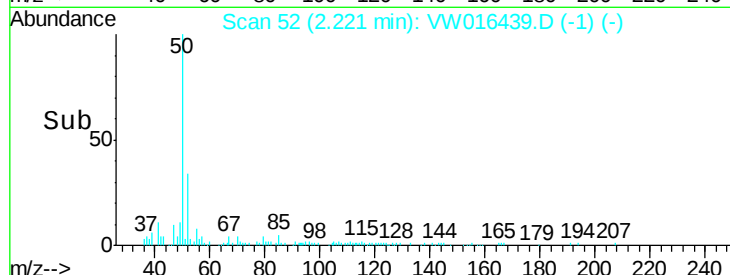
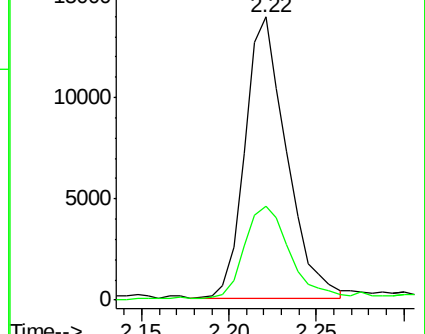
50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW



#5

Vinyl chloride

Concen: 2.465 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016439.D

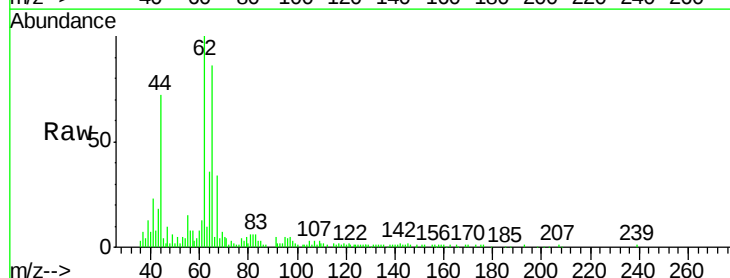
Acq: 03 Sep 2020 11:34

Tgt Ion: 62 Resp: 29478

Ion Ratio Lower Upper

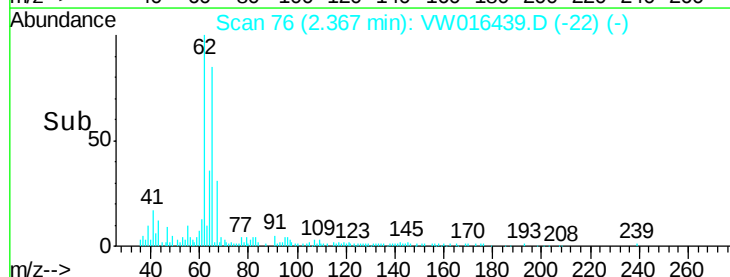
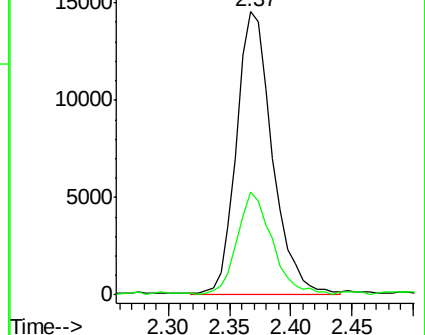
62 100

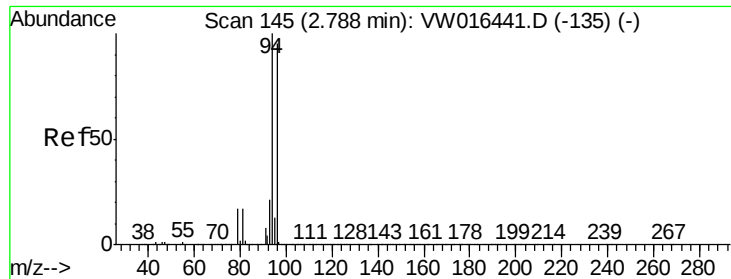
64 36.4 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW





#6

Bromomethane

Concen: 2.703 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

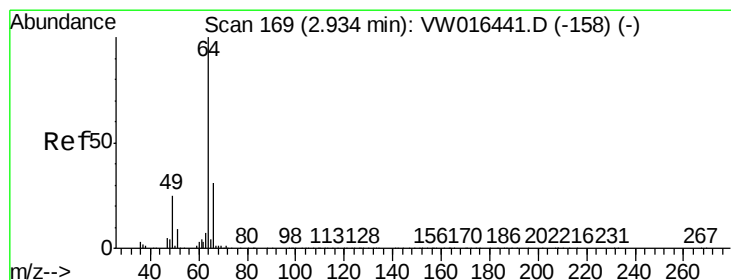
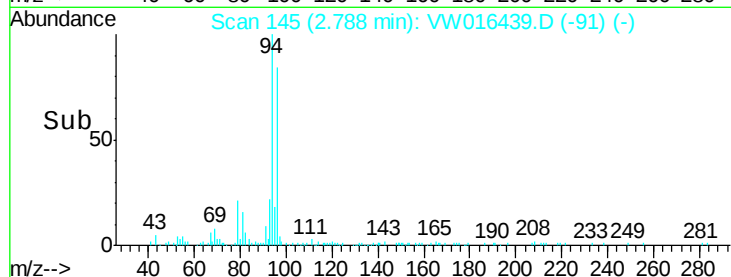
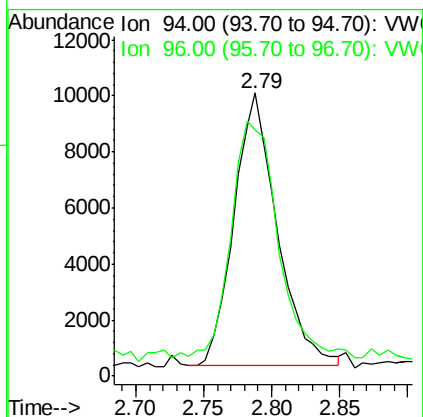
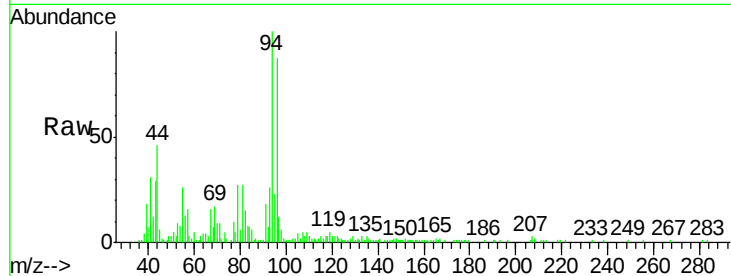
VSTD2.503

Tgt Ion: 94 Resp: 21626

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.2



#8

Chloroethane

Concen: 2.711 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW016439.D

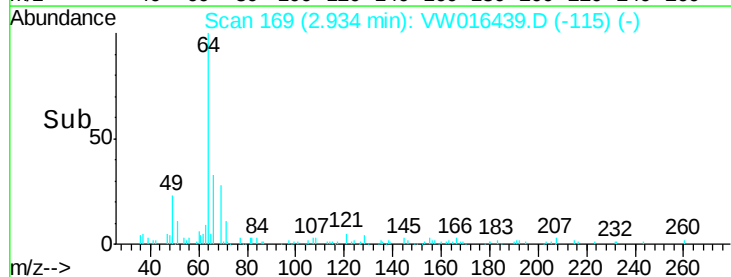
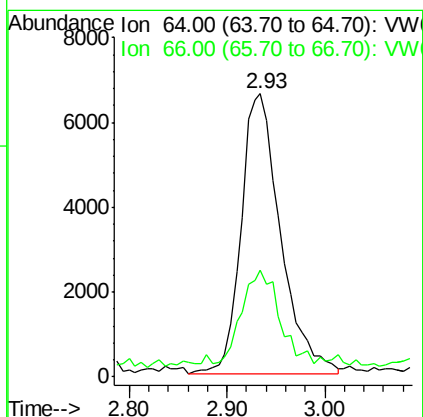
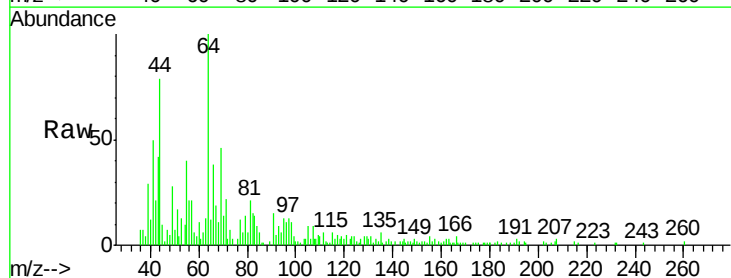
Acq: 03 Sep 2020 11:34

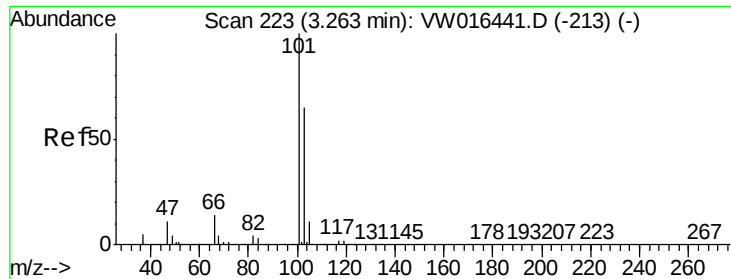
Tgt Ion: 64 Resp: 18422

Ion Ratio Lower Upper

64 100

66 37.5 22.4 41.6



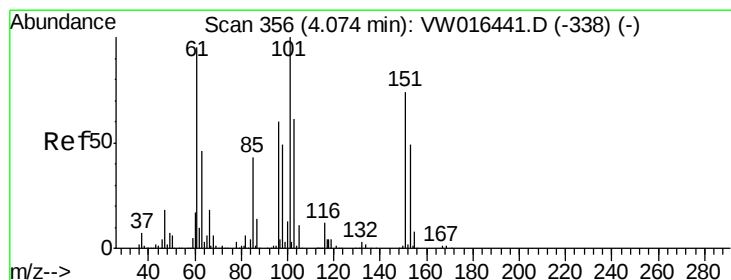
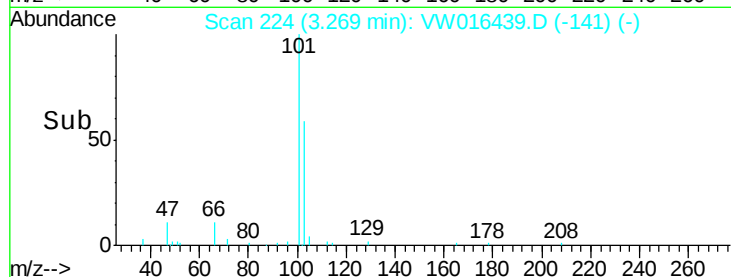
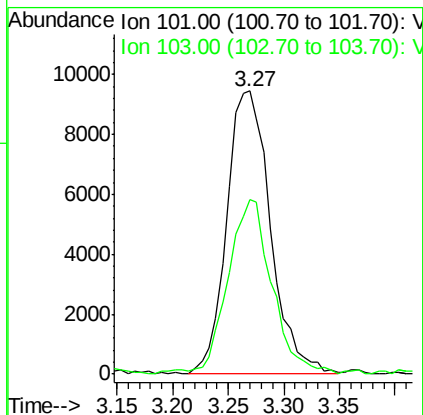
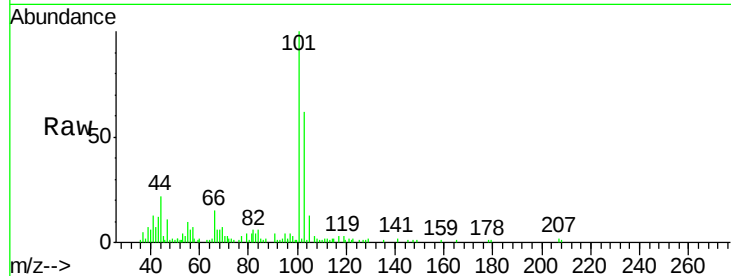


#9

Trichlorofluoromethane
 Concen: 2.113 ug/L
 RT: 3.27 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

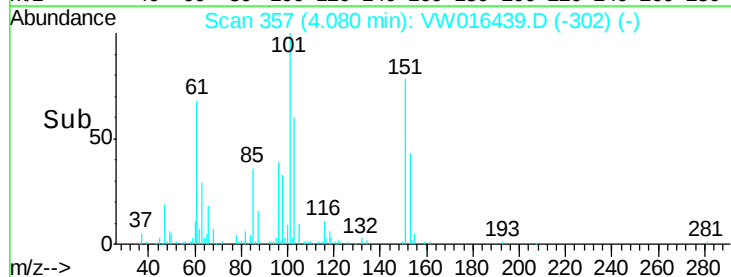
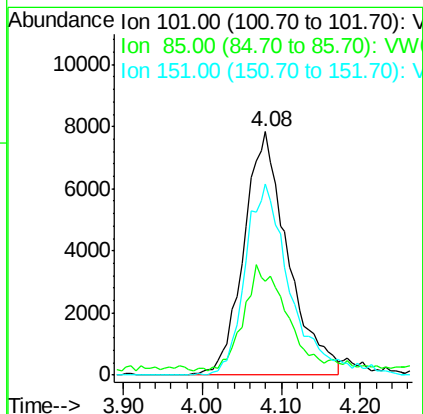
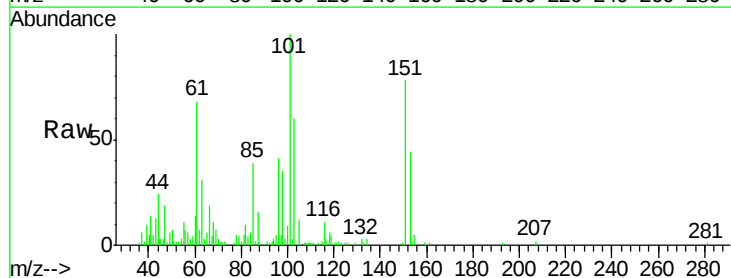
Tgt Ion:101 Resp: 25795
 Ion Ratio Lower Upper
 101 100
 103 61.1 45.1 83.7

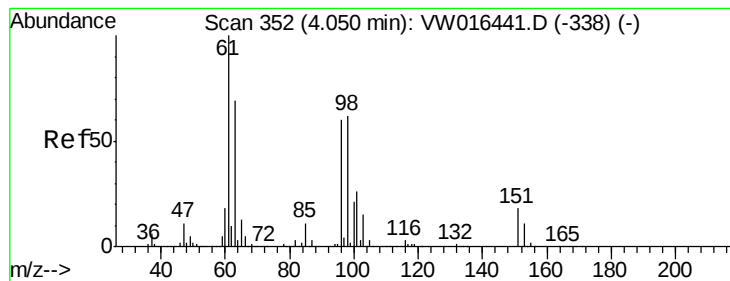


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.258 ug/L
 RT: 4.08 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion:101 Resp: 30464
 Ion Ratio Lower Upper
 101 100
 85 22.0 33.4 50.0#
 151 72.2 61.6 92.4





#12

1,1-Dichloroethene

Concen: 2.318 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

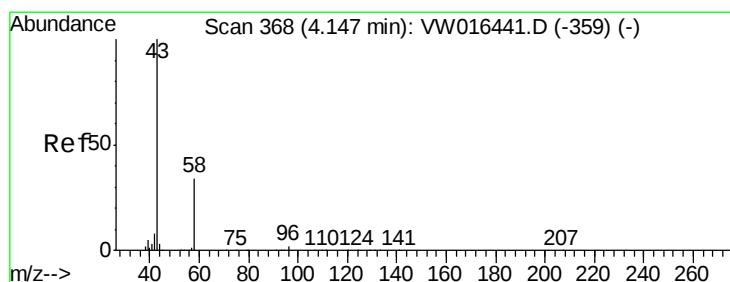
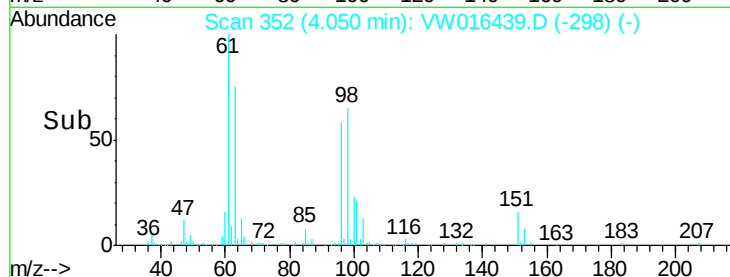
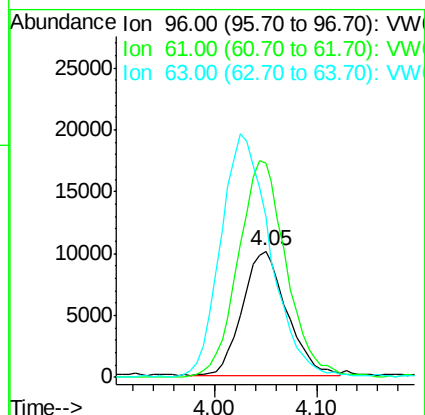
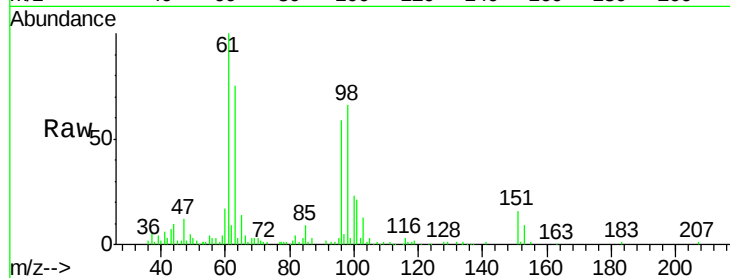
Tgt Ion: 96 Resp: 30473

Ion Ratio Lower Upper

96 100

61 169.7 116.5 216.3

63 127.1 81.1 150.5



#13

Acetone

Concen: 5.753 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016439.D

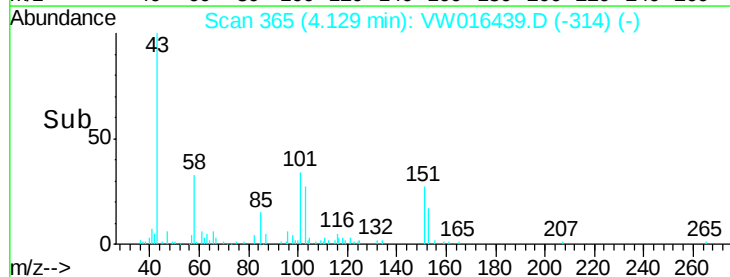
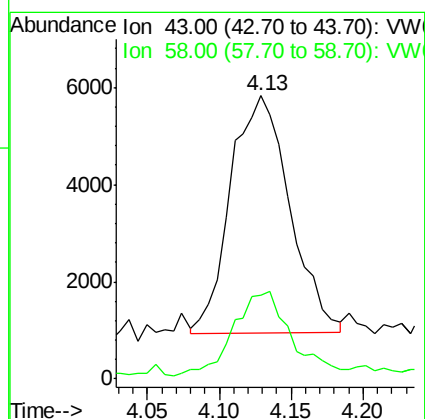
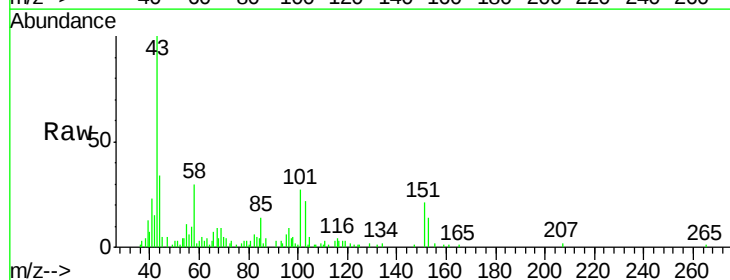
Acq: 03 Sep 2020 11:34

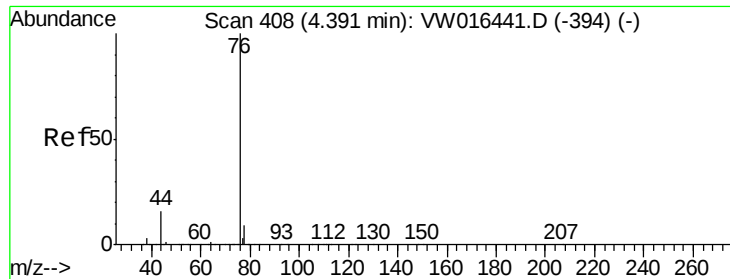
Tgt Ion: 43 Resp: 13993

Ion Ratio Lower Upper

43 100

58 31.6 0.0 63.0





#14

Carbon disulfide

Concen: 2.368 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

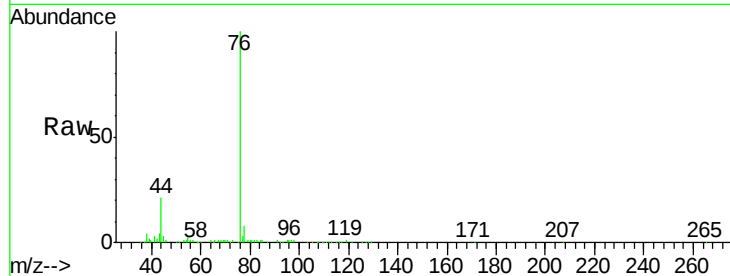
VSTD2.503

Tgt Ion: 76 Resp: 93094

Ion Ratio Lower Upper

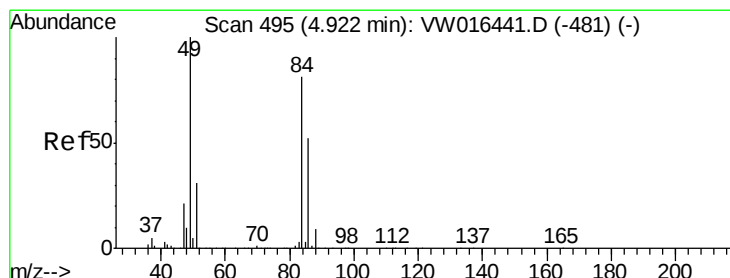
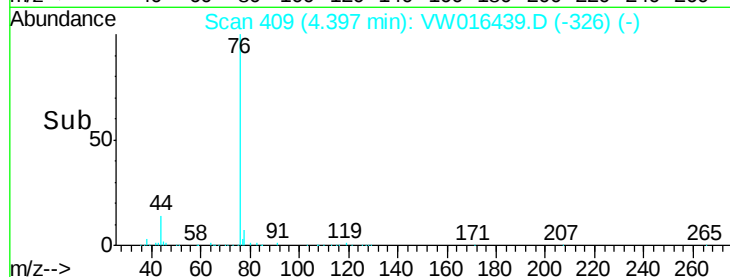
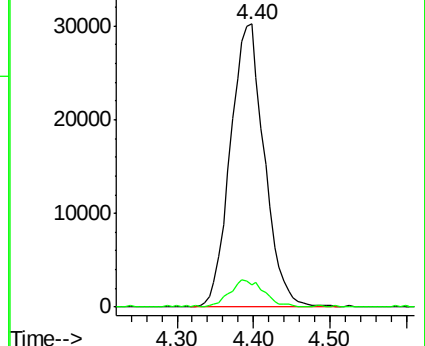
76 100

78 7.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 3.763 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

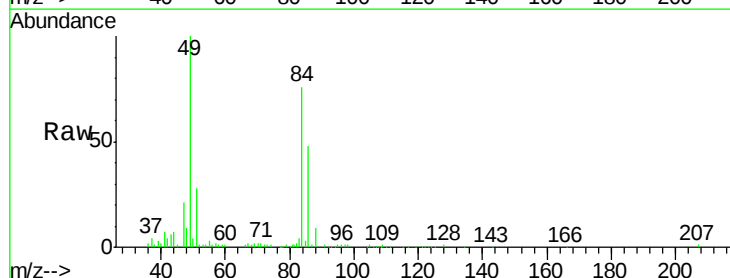
Tgt Ion: 84 Resp: 68002

Ion Ratio Lower Upper

84 100

49 132.2 86.7 160.9

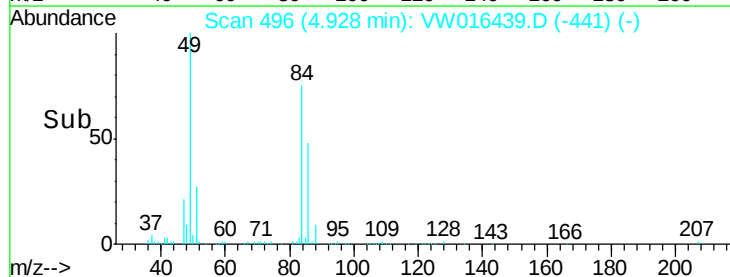
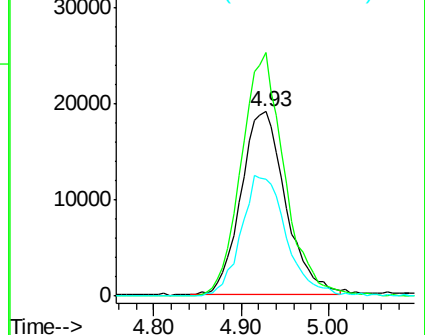
86 63.6 44.9 83.5

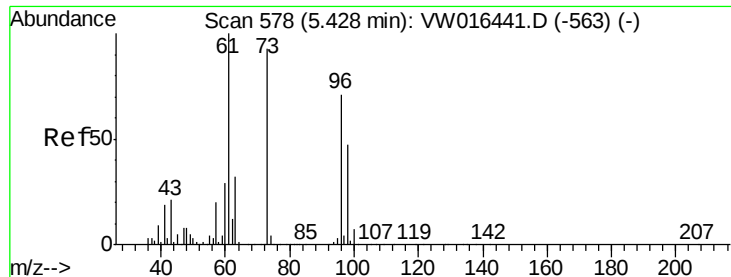


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 1.469 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

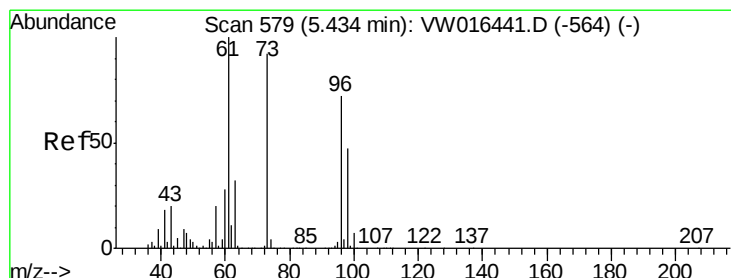
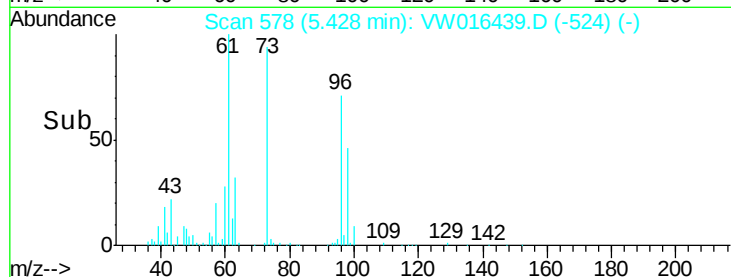
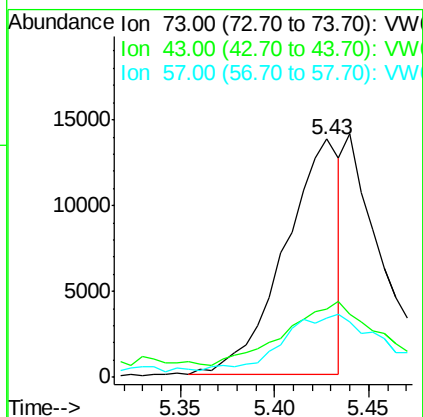
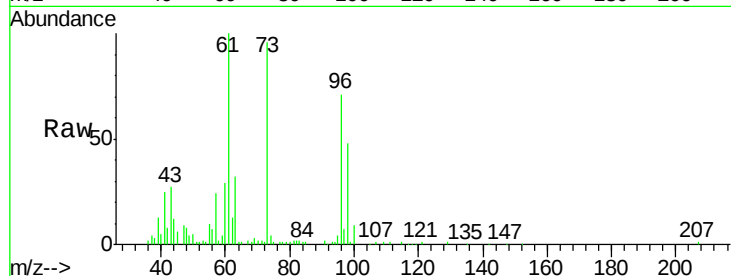
Tgt Ion: 73 Resp: 28148

Ion Ratio Lower Upper

73 100

43 44.2 17.9 26.9#

57 23.5 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 2.335 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

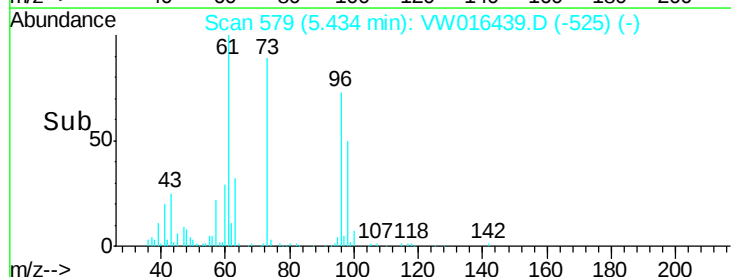
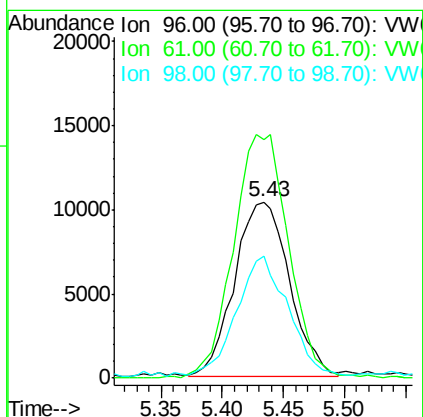
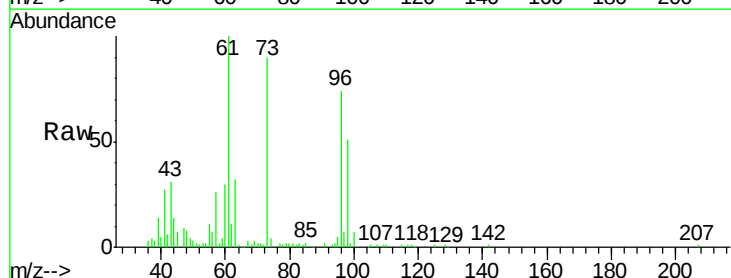
Tgt Ion: 96 Resp: 32253

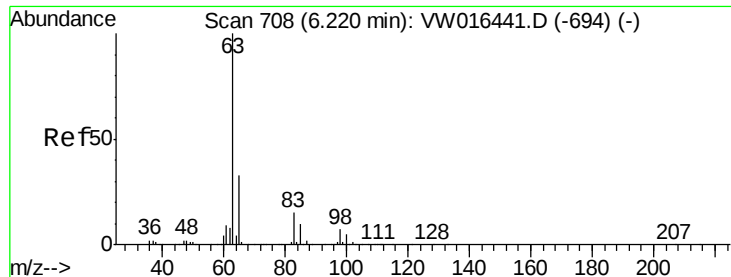
Ion Ratio Lower Upper

96 100

61 135.4 96.4 179.0

98 69.2 45.1 83.7

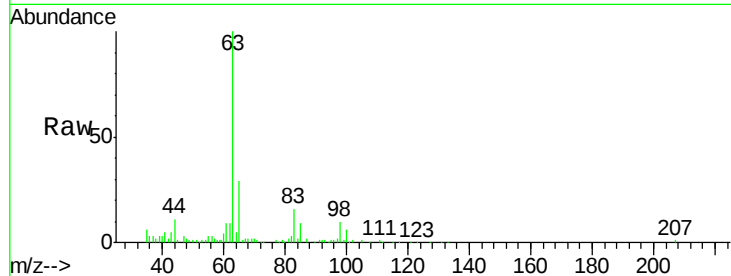




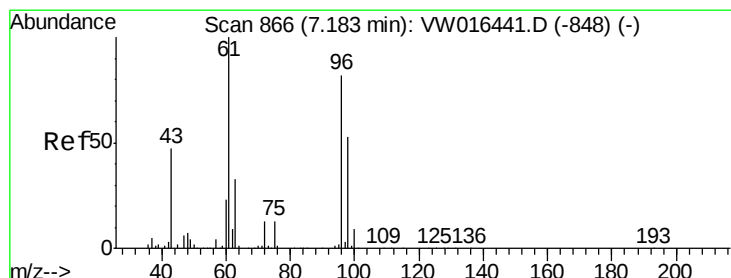
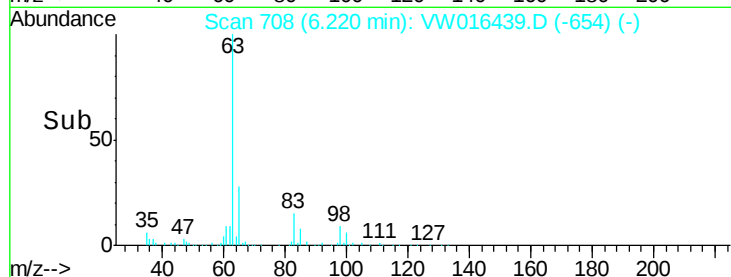
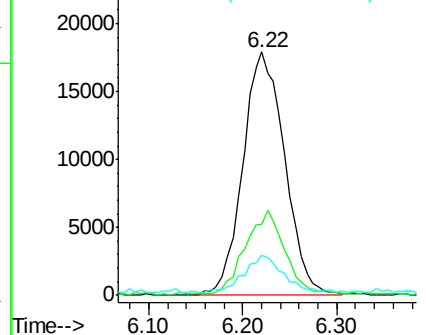
#19
 1,1-Dichloroethane
 Concen: 2.435 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Tgt Ion: 63 Resp: 55612
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.3 43.3
 83 16.3 10.3 19.1

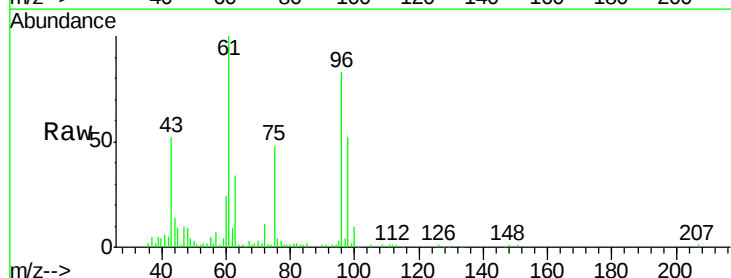


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

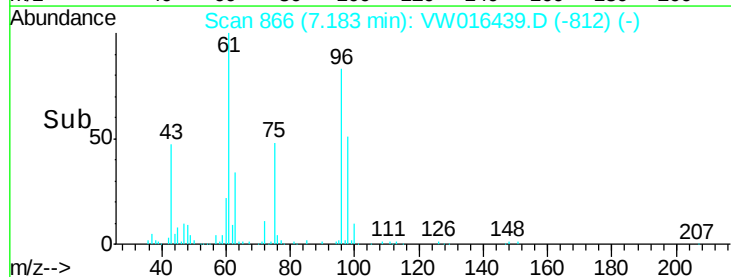
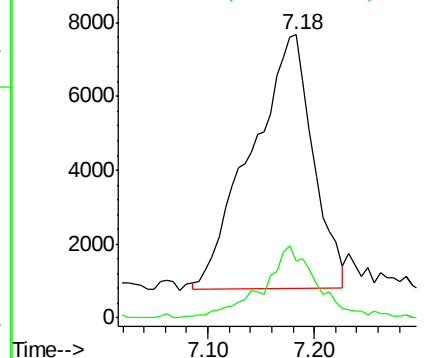


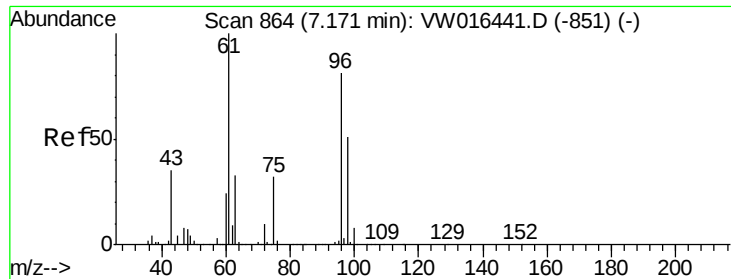
#21
 2-Butanone
 Concen: 7.631 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion: 43 Resp: 27646
 Ion Ratio Lower Upper
 43 100
 72 18.9 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



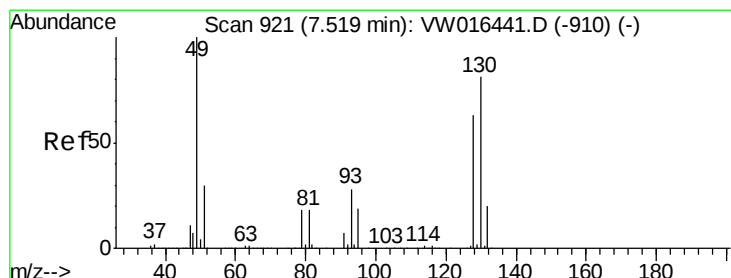
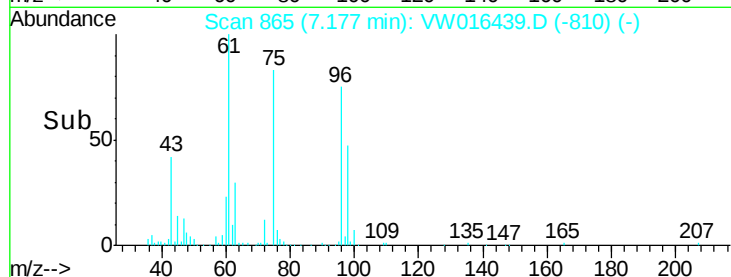
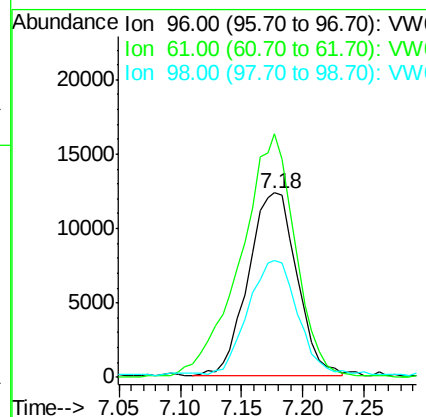
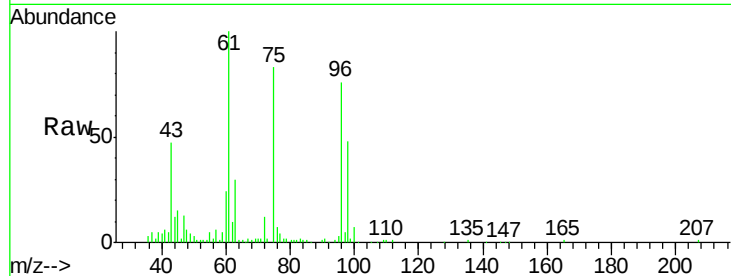


#22

cis-1,2-Dichloroethene
 Concen: 2.352 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

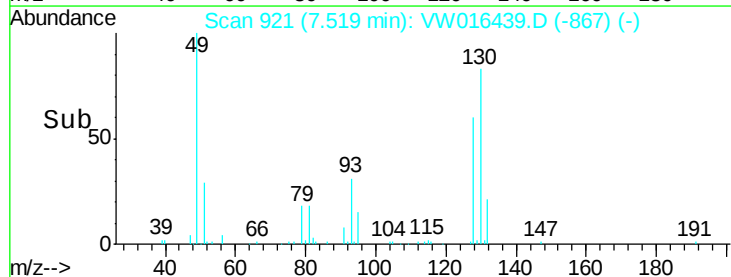
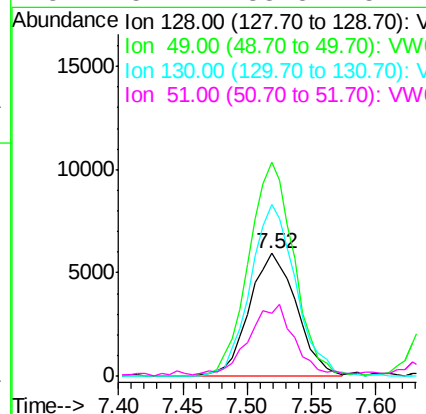
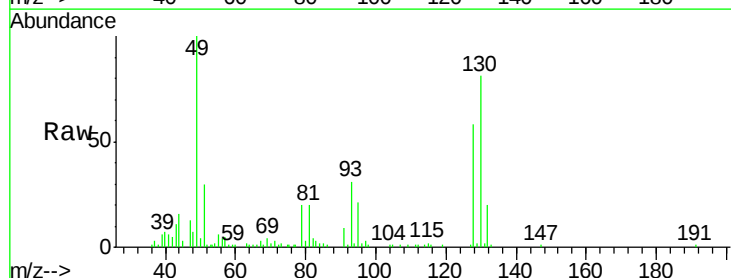
Tgt Ion: 96 Resp: 34094
 Ion Ratio Lower Upper
 96 100
 61 132.0 86.1 159.9
 98 63.4 44.1 81.9

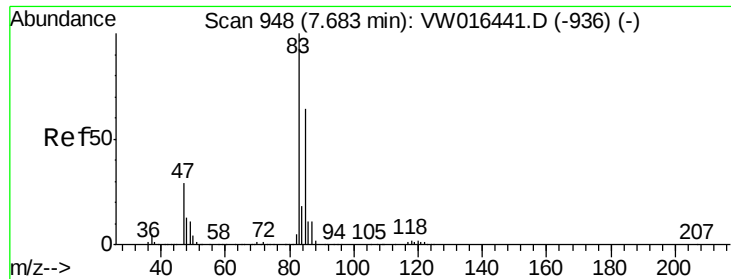


#23

Bromochloromethane
 Concen: 2.290 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion: 128 Resp: 15171
 Ion Ratio Lower Upper
 128 100
 49 173.8 111.6 207.4
 130 140.0 90.9 168.7
 51 51.4 38.5 57.7

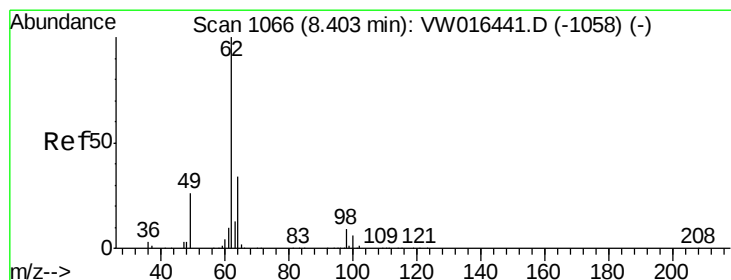
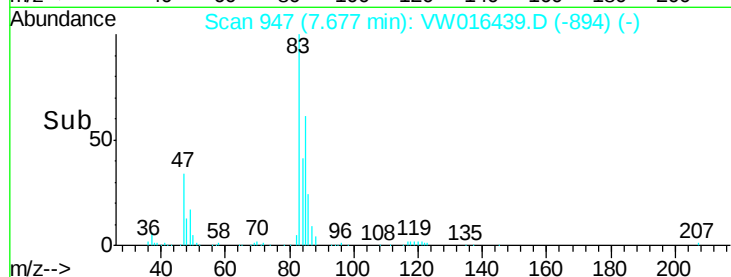
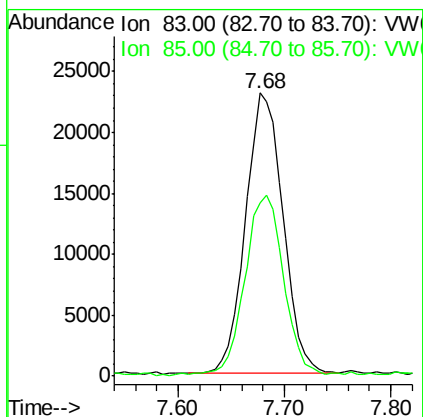
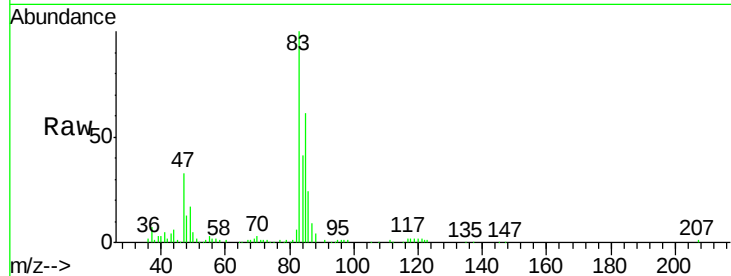




#25
Chloroform
Concen: 2.333 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016439.D
Acq: 03 Sep 2020 11:34

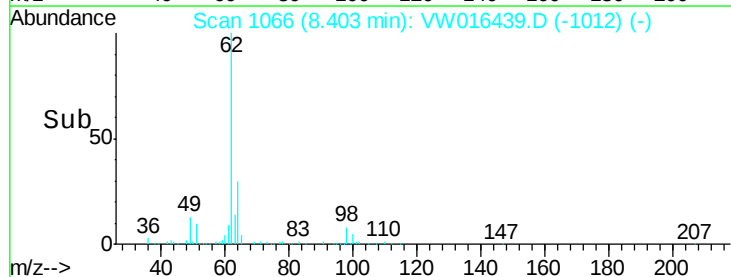
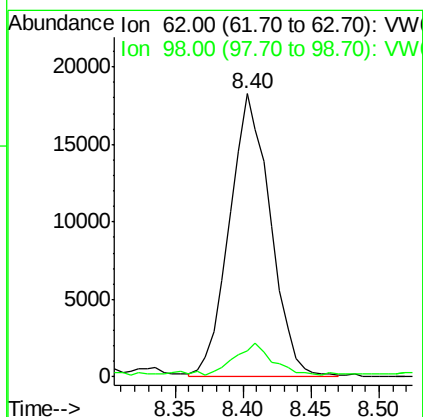
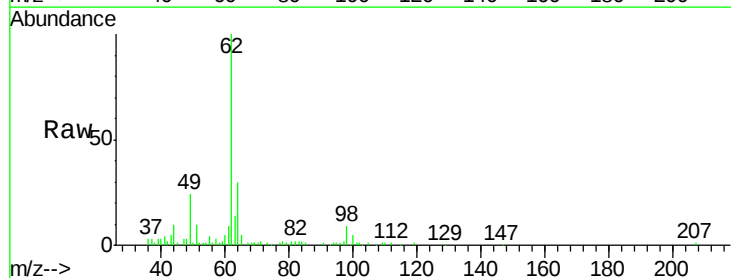
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

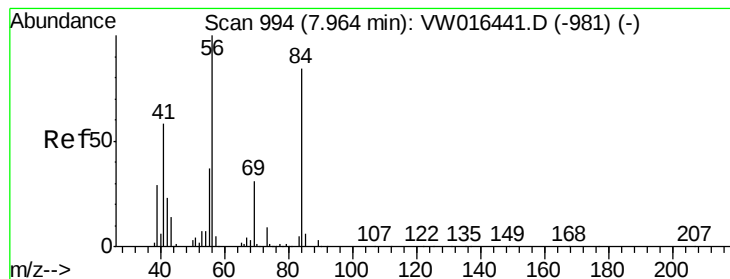
Tgt Ion: 83 Resp: 56784
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.489 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016439.D
Acq: 03 Sep 2020 11:34

Tgt Ion: 62 Resp: 38419
Ion Ratio Lower Upper
62 100
98 9.0 7.3 10.9





#30

Cyclohexane

Concen: 2.809 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

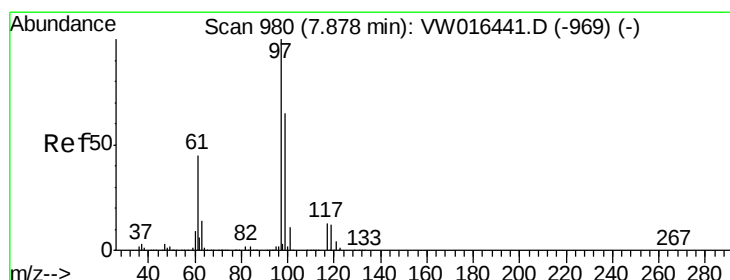
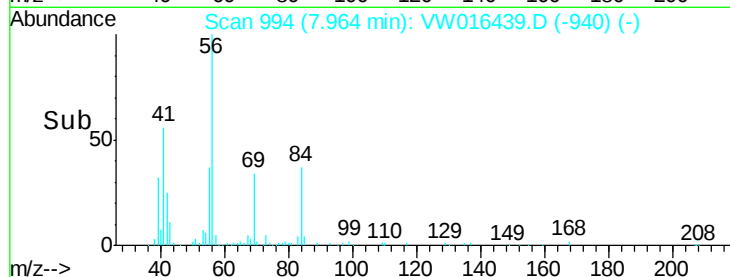
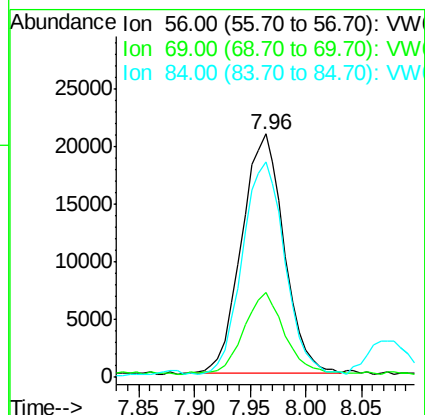
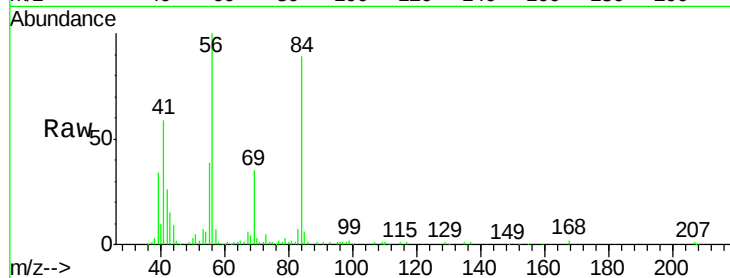
Tgt Ion: 56 Resp: 54851

Ion Ratio Lower Upper

56 100

69 32.8 25.3 37.9

84 91.3 71.6 107.4



#31

1,1,1-Trichloroethane

Concen: 2.422 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

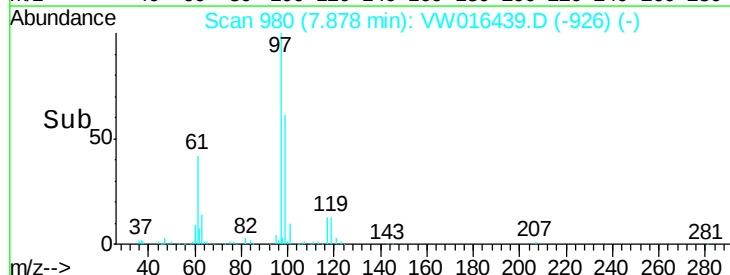
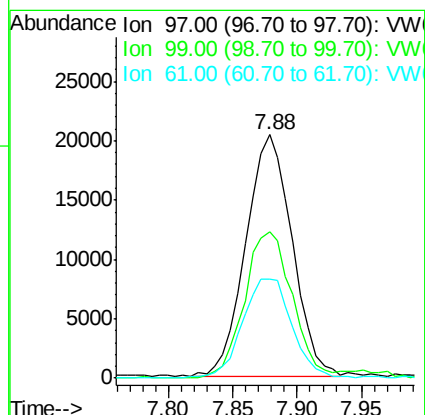
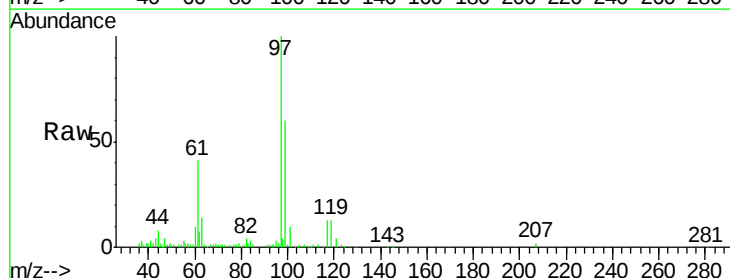
Tgt Ion: 97 Resp: 50528

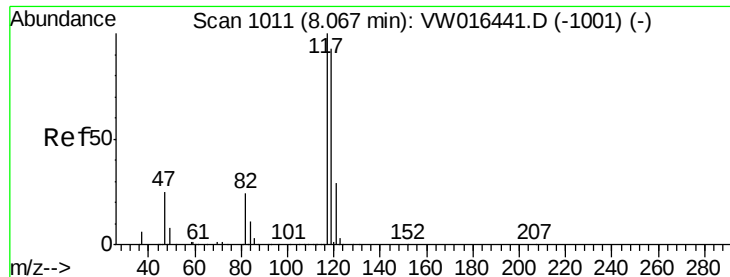
Ion Ratio Lower Upper

97 100

99 62.5 52.2 78.2

61 44.0 36.3 54.5





#32

Carbon tetrachloride

Concen: 2.397 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

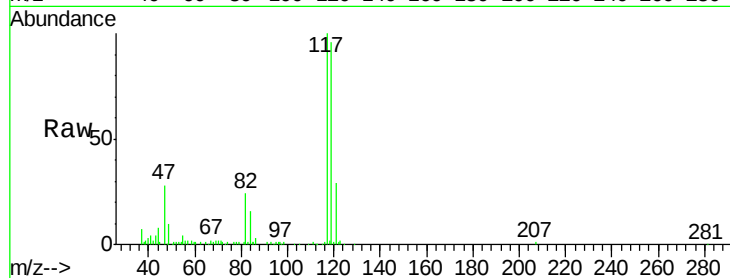
VSTD2.503

Tgt Ion:117 Resp: 47761

Ion Ratio Lower Upper

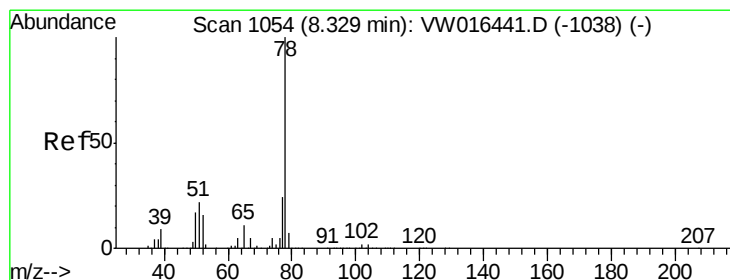
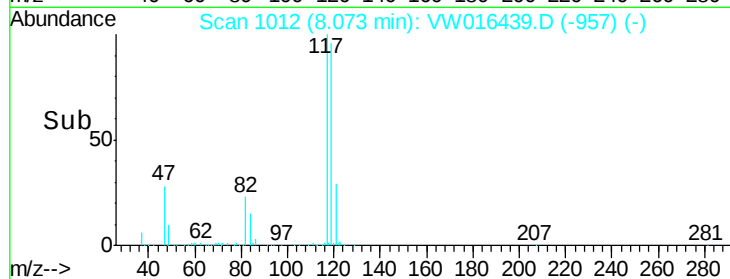
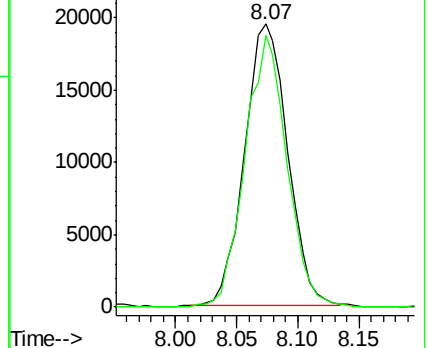
117 100

119 94.0 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.491 ug/L

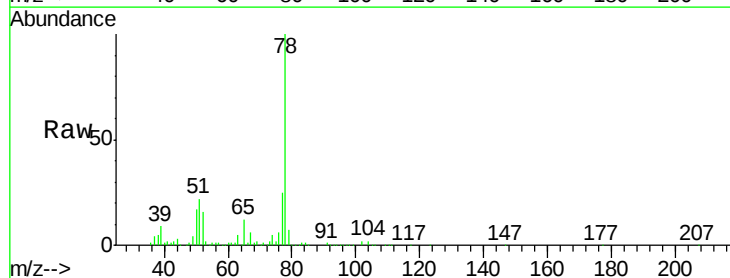
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

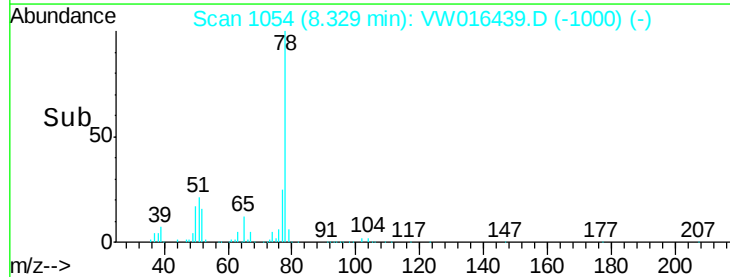
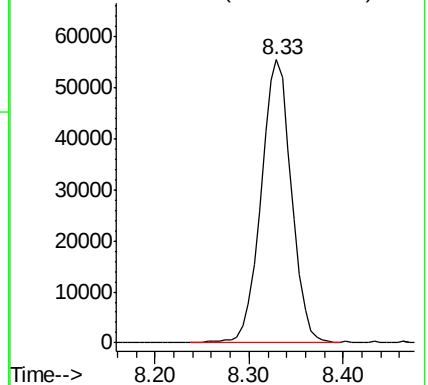
Lab File: VW016439.D

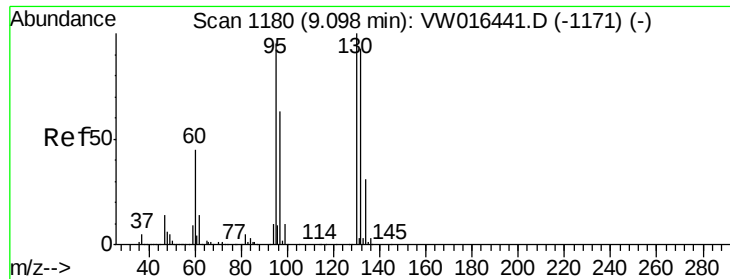
Acq: 03 Sep 2020 11:34

Tgt Ion: 78 Resp: 125491



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.399 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampled :

VSTD2.503

Tgt Ion: 95 Resp: 34162

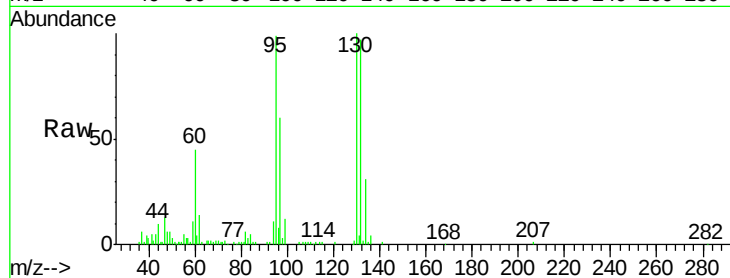
Ion Ratio Lower Upper

95 100

97 62.6 44.9 83.5

132 99.7 69.2 128.4

130 106.6 72.0 133.6

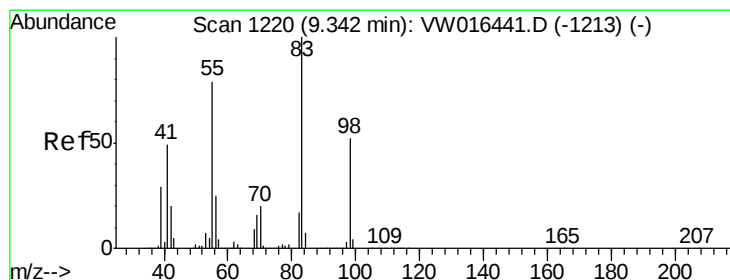
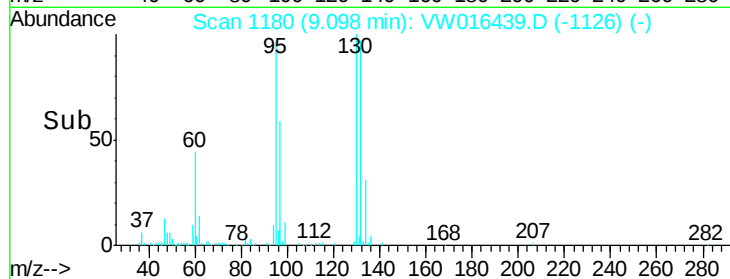
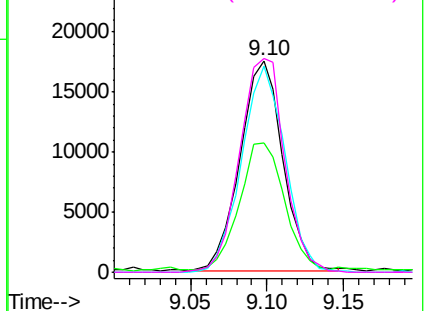


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 2.640 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

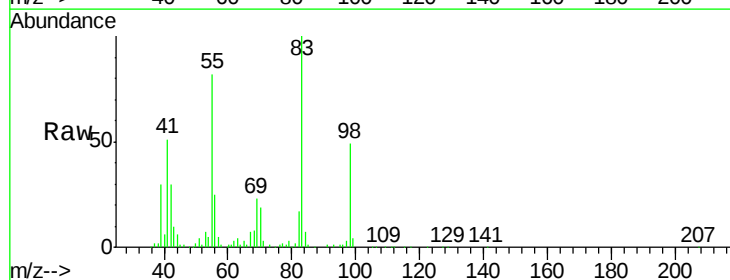
Tgt Ion: 83 Resp: 61914

Ion Ratio Lower Upper

83 100

55 76.6 60.9 91.3

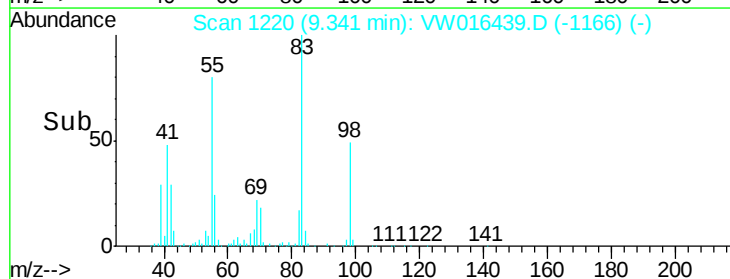
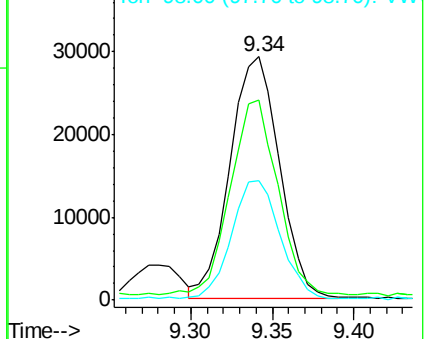
98 47.7 40.0 60.0

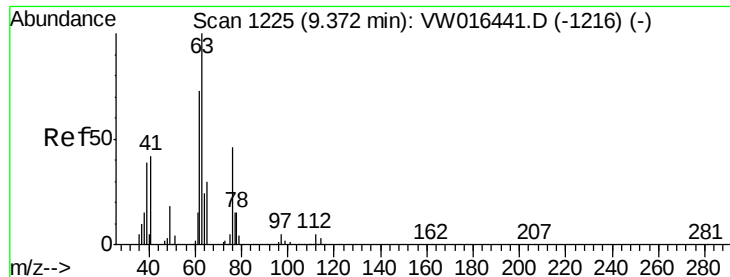


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

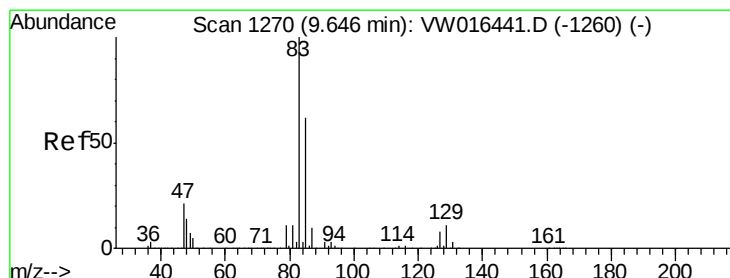
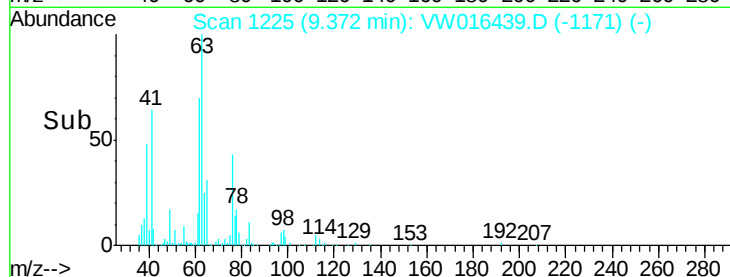
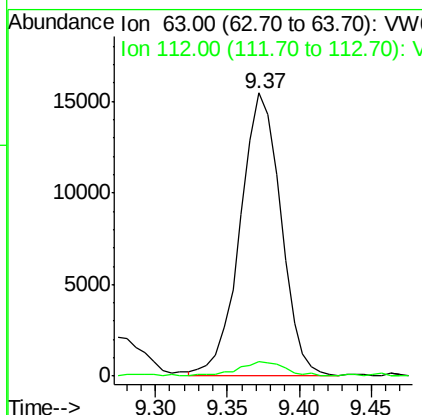
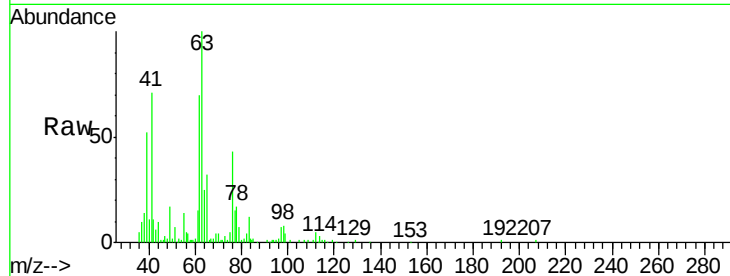




#40
 1,2-Dichloropropane
 Concen: 2.545 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

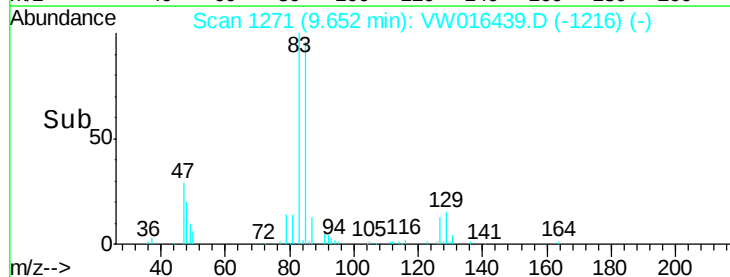
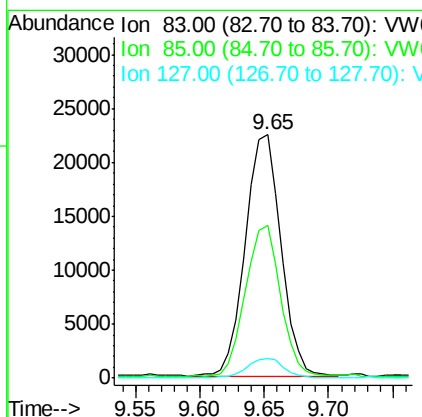
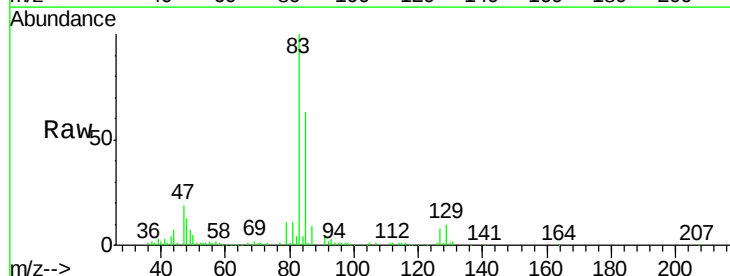
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

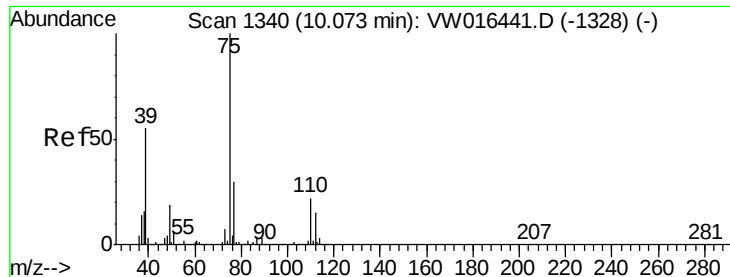
Tgt Ion: 63 Resp: 30432
 Ion Ratio Lower Upper
 63 100
 112 5.5 3.8 5.8



#41
 Bromodichloromethane
 Concen: 2.569 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion: 83 Resp: 43145
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.5 80.7
 127 8.2 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 2.630 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

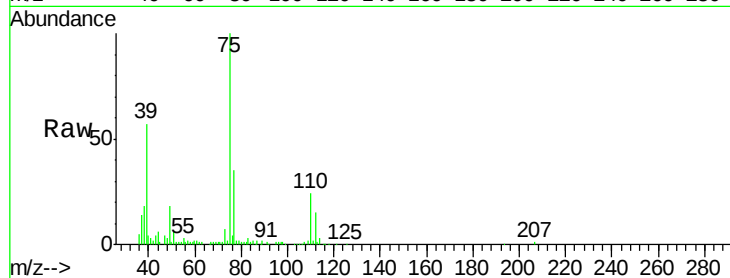
VSTD2.503

Tgt Ion: 75 Resp: 51437

Ion Ratio Lower Upper

75 100

77 34.5 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

30000

25000

20000

15000

10000

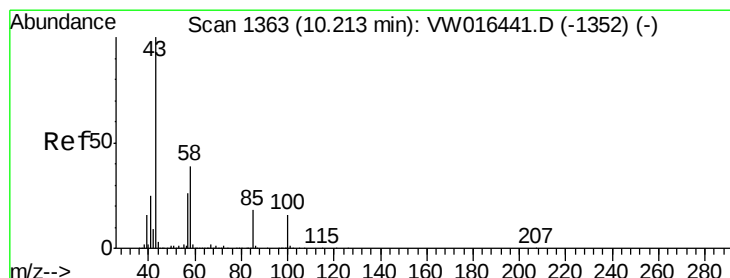
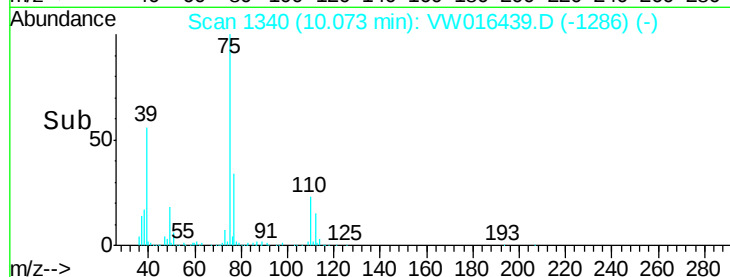
5000

0

Time-->

10.00

10.10



#43

4-Methyl-2-pentanone

Concen: 5.711 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

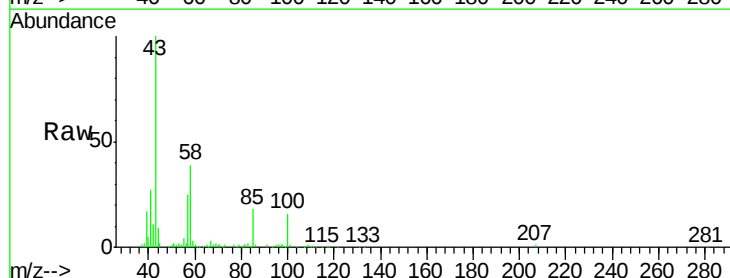
Tgt Ion: 43 Resp: 42132

Ion Ratio Lower Upper

43 100

58 39.6 30.6 45.8

100 17.5 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.21

30000

20000

10000

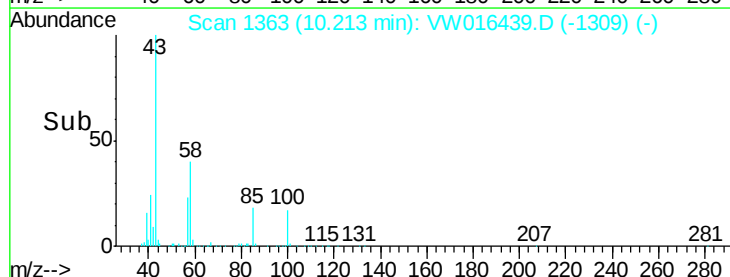
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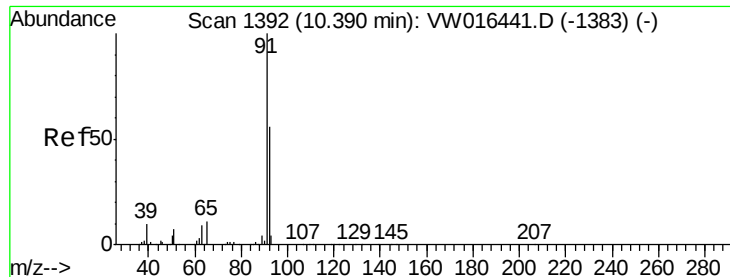
Time-->

10.15

10.20

10.25





#44

Toluene

Concen: 2.576 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

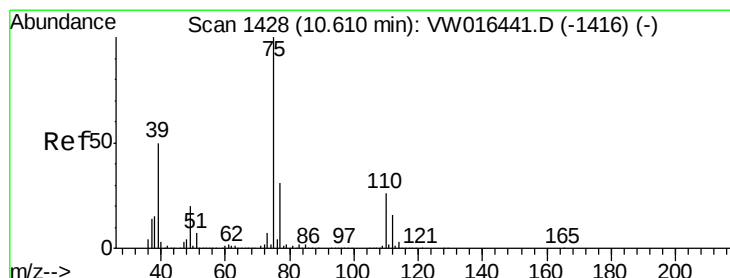
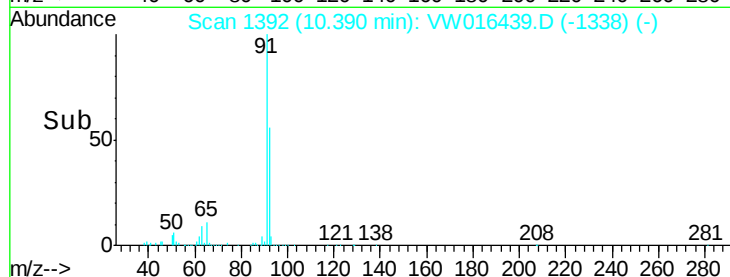
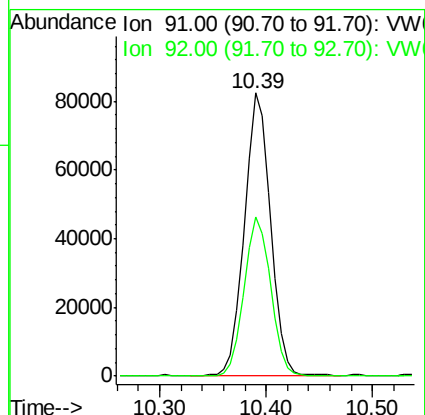
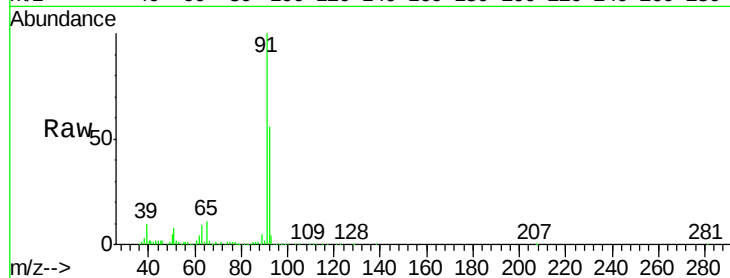
VSTD2.503

Tgt Ion: 91 Resp: 141860

Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 2.596 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016439.D

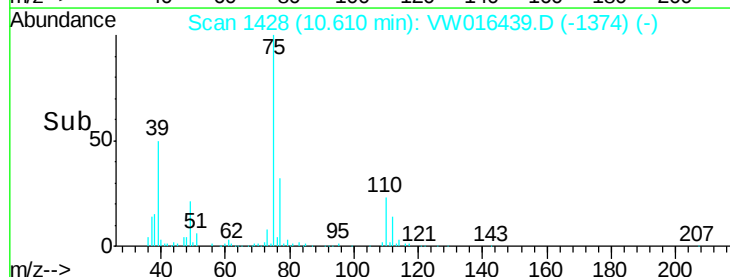
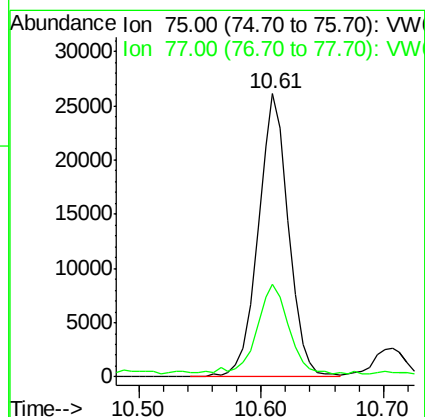
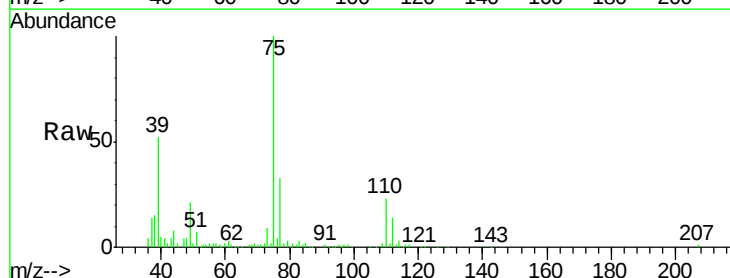
Acq: 03 Sep 2020 11:34

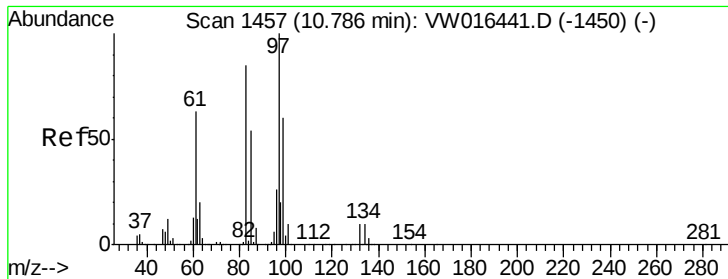
Tgt Ion: 75 Resp: 45020

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7

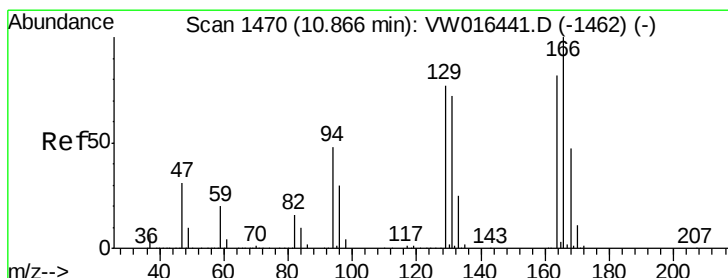
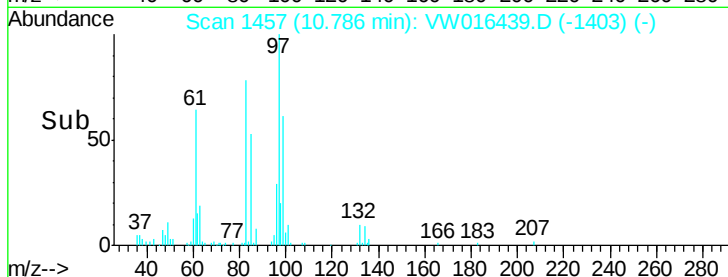
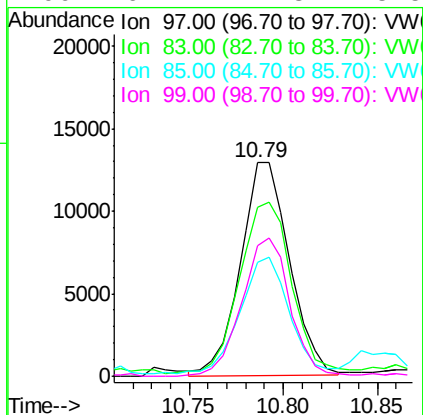
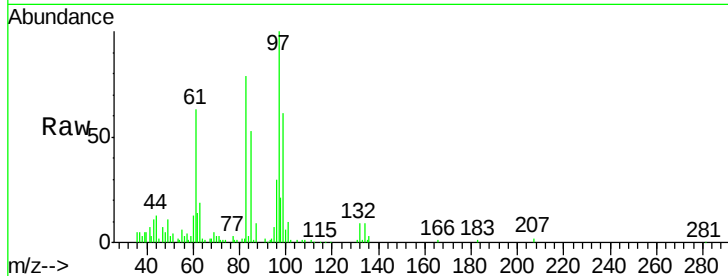




#46
 1,1,2-Trichloroethane
 Concen: 2.401 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

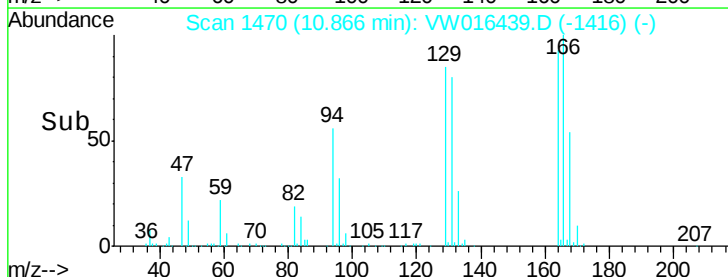
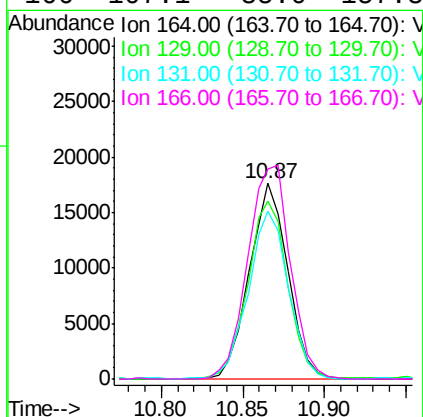
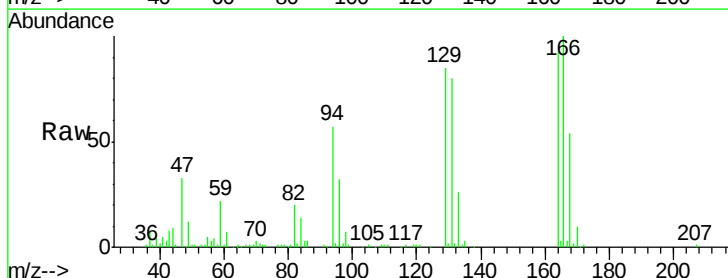
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

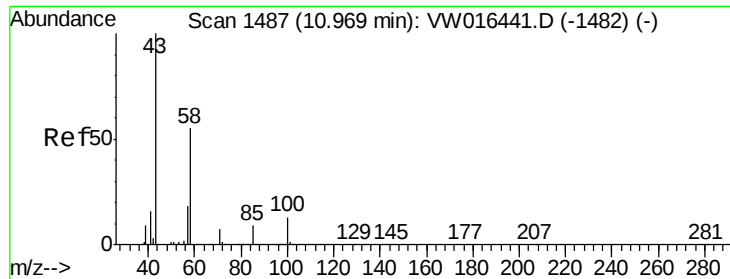
Tgt Ion:	97	Resp:	23407
Ion	Ratio	Lower	Upper
97	100		
83	79.0	59.7	110.9
85	53.4	37.6	69.8
99	61.1	42.3	78.5



#47
 Tetrachloroethene
 Concen: 2.579 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion:	164	Resp:	28961
Ion	Ratio	Lower	Upper
164	100		
129	90.9	65.7	121.9
131	85.7	61.1	113.5
166	107.1	85.0	157.8





#49

2-Hexanone

Concen: 6.050 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 43 Resp: 29166

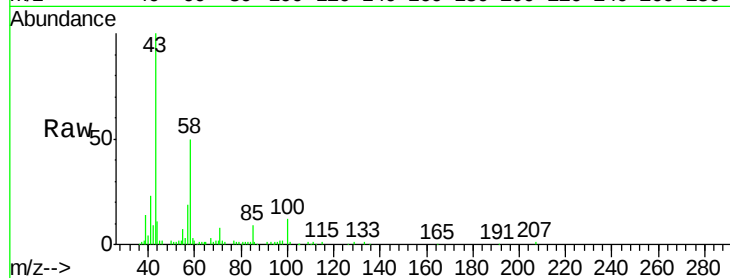
Ion Ratio Lower Upper

43 100

58 52.3 42.1 63.1

57 19.9 14.9 22.3

100 12.7 10.3 15.5



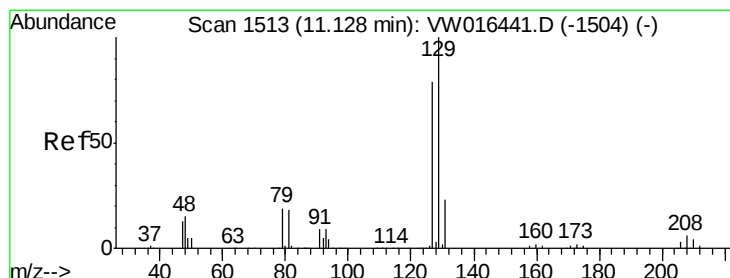
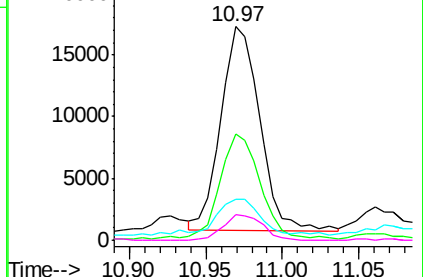
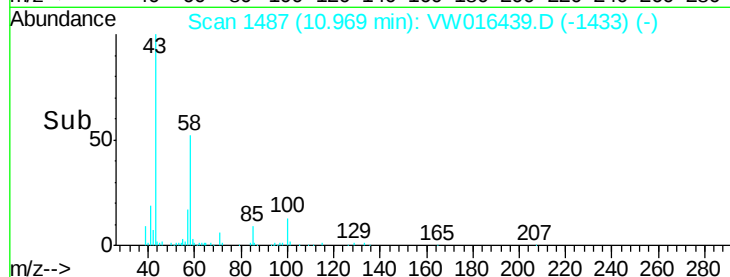
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



#50

Dibromochloromethane

Concen: 2.426 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016439.D

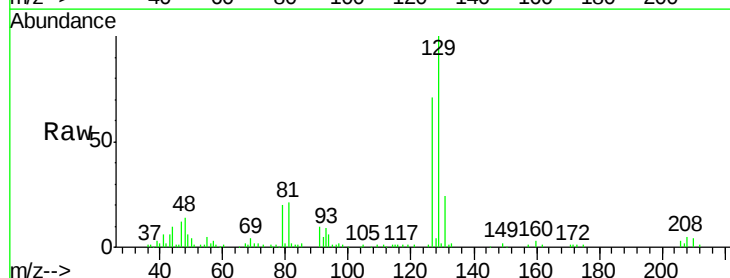
Acq: 03 Sep 2020 11:34

Tgt Ion: 129 Resp: 29526

Ion Ratio Lower Upper

129 100

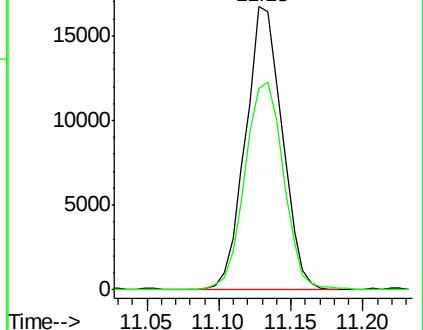
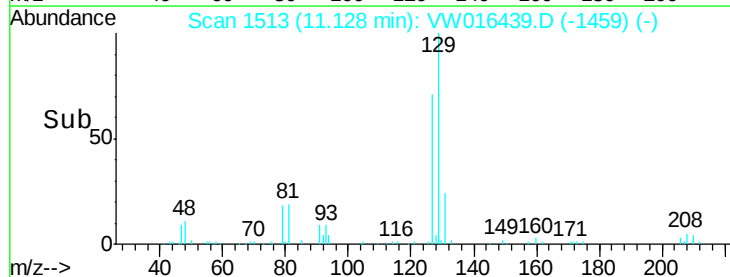
127 71.0 55.4 103.0

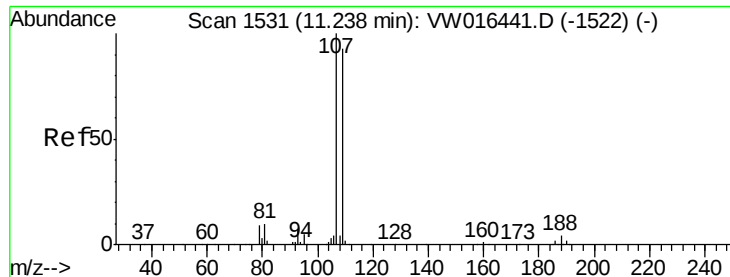


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->

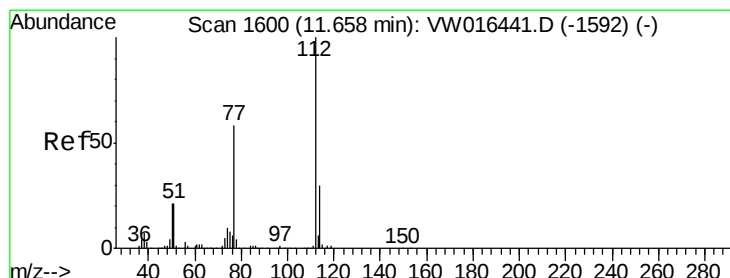
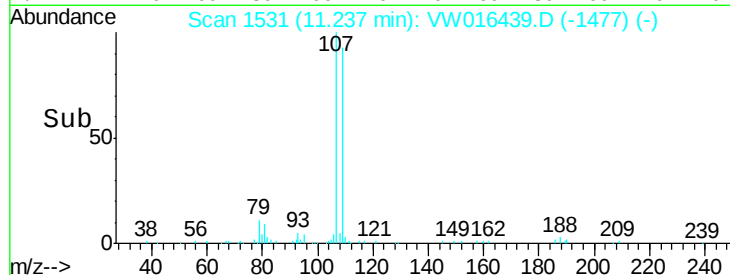
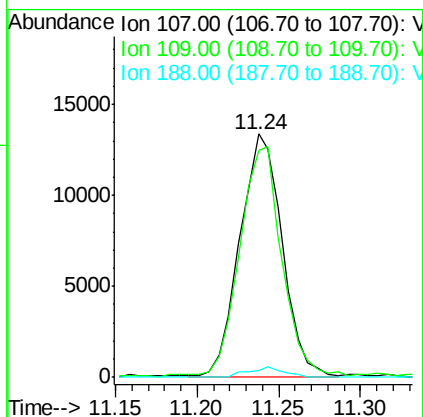
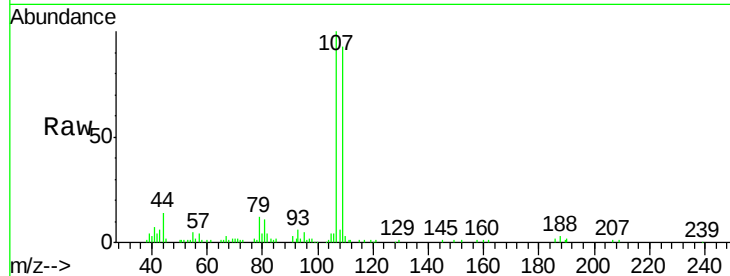




#51
 1,2-Dibromoethane
 Concen: 2.521 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

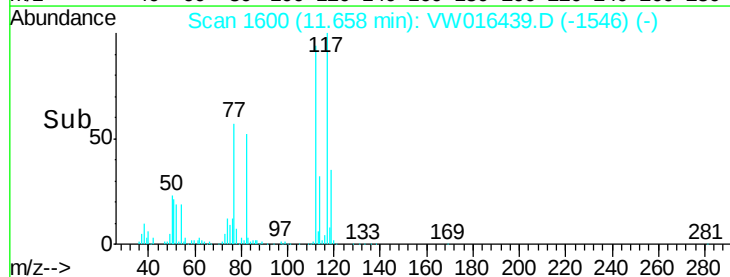
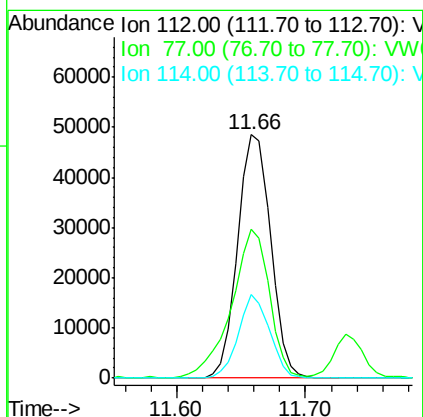
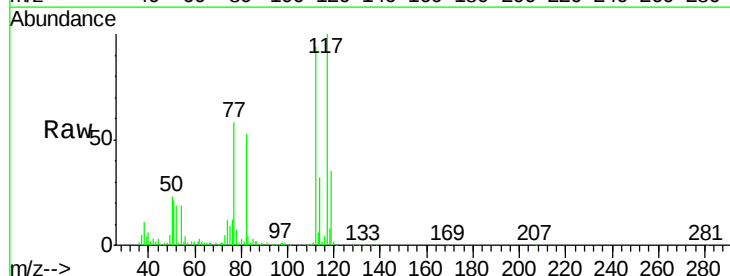
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

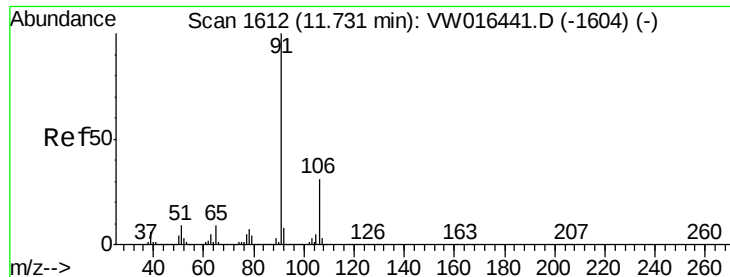
Tgt Ion:107 Resp: 24148
 Ion Ratio Lower Upper
 107 100
 109 93.0 64.8 120.4
 188 2.9 3.4 5.0#



#52
 Chlorobenzene
 Concen: 2.365 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion:112 Resp: 86206
 Ion Ratio Lower Upper
 112 100
 77 61.3 46.2 69.2
 114 34.4 21.1 39.3

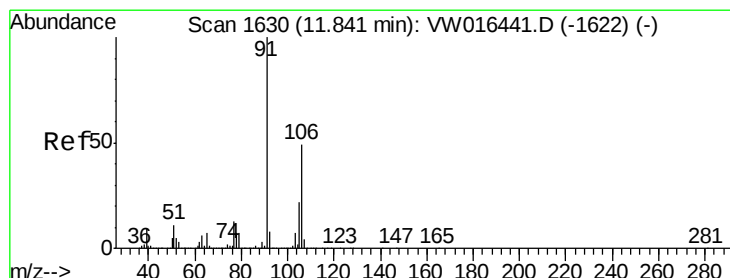
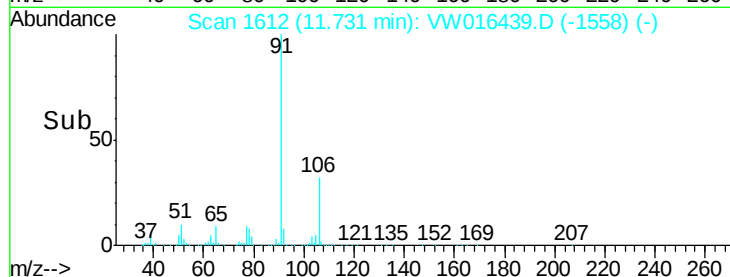
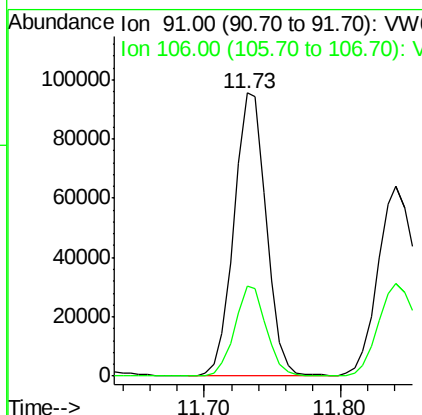
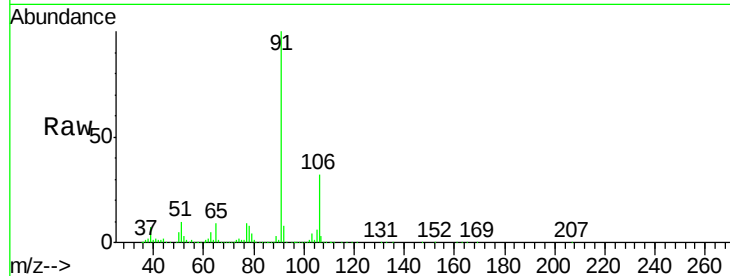




#53
Ethylbenzene
Concen: 2.492 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016439.D
Acq: 03 Sep 2020 11:34

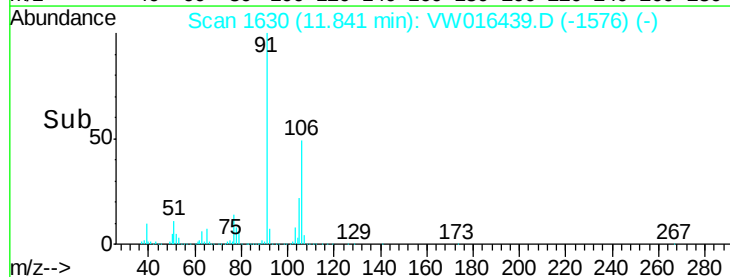
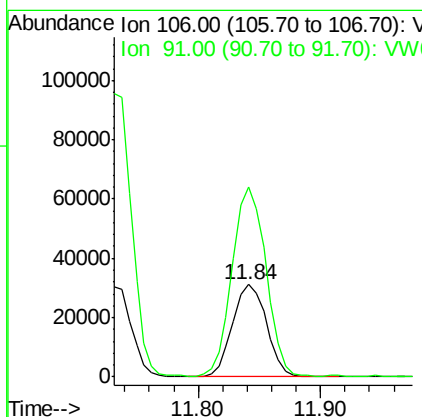
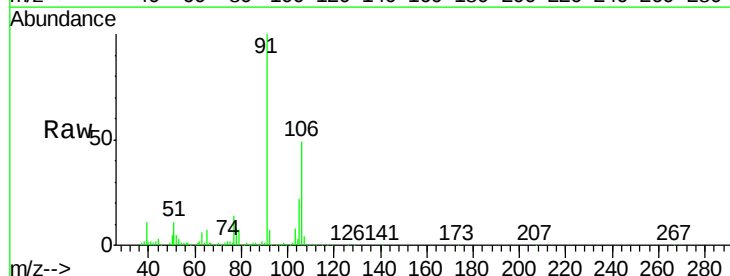
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

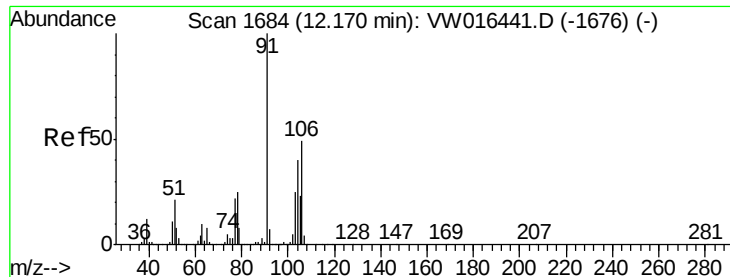
Tgt Ion: 91 Resp: 156903
Ion Ratio Lower Upper
91 100
106 31.7 21.6 40.2



#54
m,p-Xylene
Concen: 2.509 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016439.D
Acq: 03 Sep 2020 11:34

Tgt Ion: 106 Resp: 60514
Ion Ratio Lower Upper
106 100
91 205.6 142.3 264.3

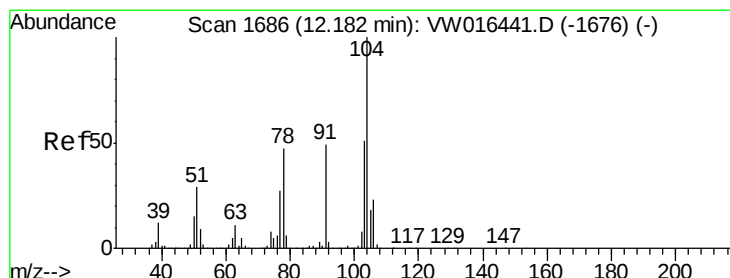
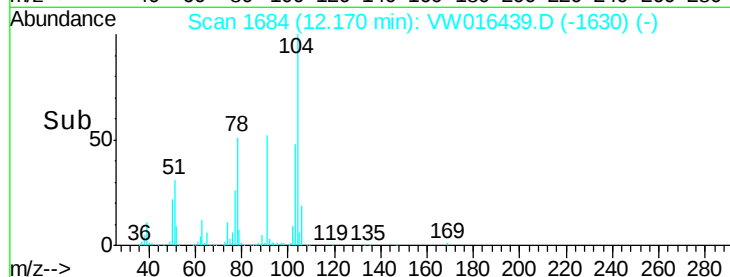
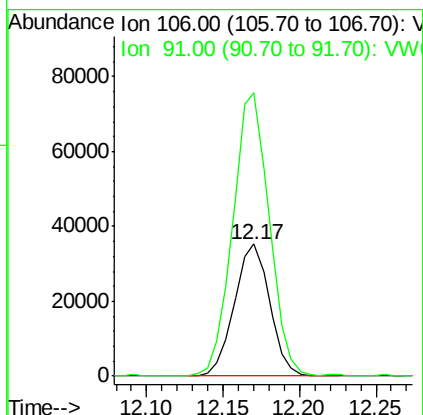
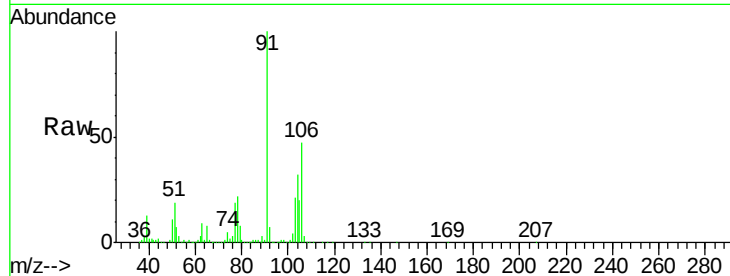




#55
o-xylene
Concen: 2.496 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016439.D
Acq: 03 Sep 2020 11:34

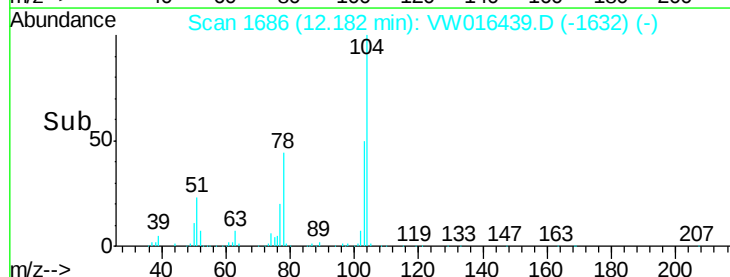
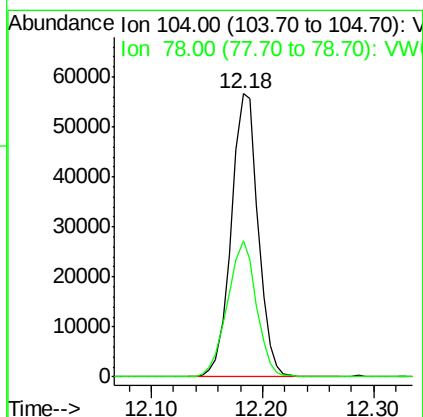
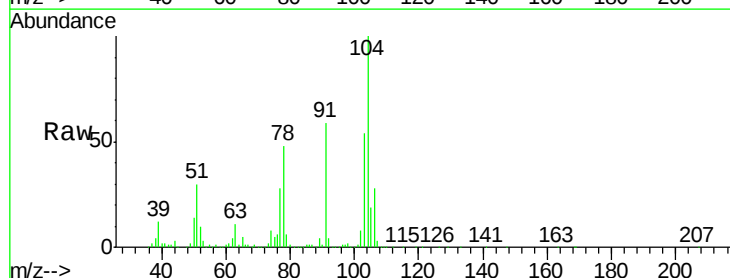
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

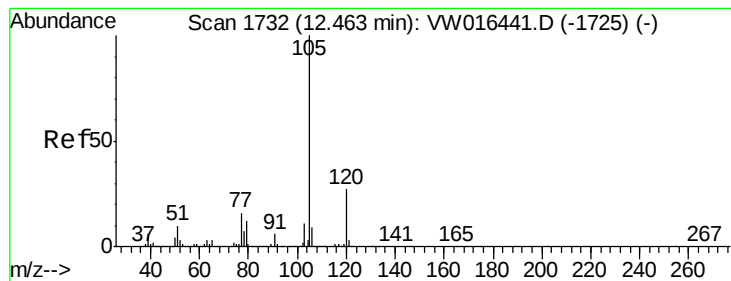
Tgt Ion:106 Resp: 56746
Ion Ratio Lower Upper
106 100
91 214.1 144.3 267.9



#56
Styrene
Concen: 2.476 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016439.D
Acq: 03 Sep 2020 11:34

Tgt Ion:104 Resp: 94643
Ion Ratio Lower Upper
104 100
78 48.3 32.8 61.0





#57

Isopropylbenzene

Concen: 2.459 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

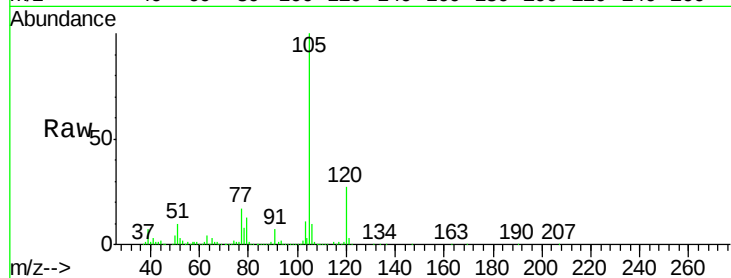
Tgt Ion: 105 Resp: 154759

Ion Ratio Lower Upper

105 100

120 26.3 21.9 32.9

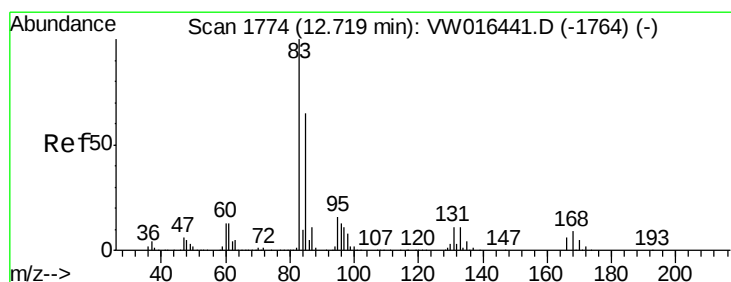
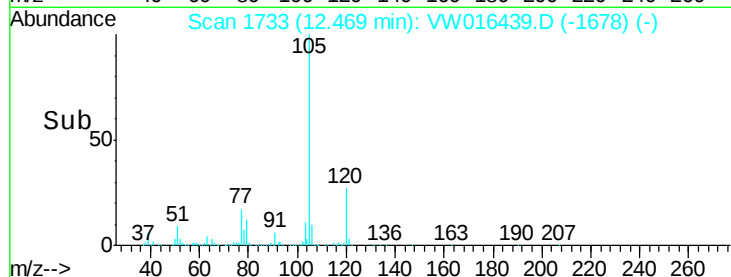
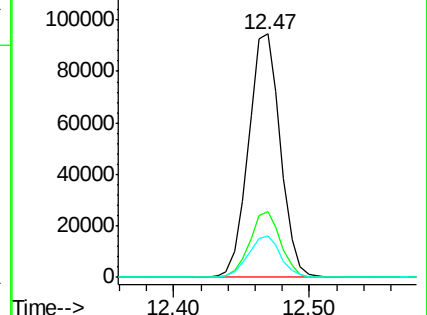
77 16.9 13.0 19.6



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



#58

1,1,2,2-Tetrachloroethane

Concen: 2.439 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

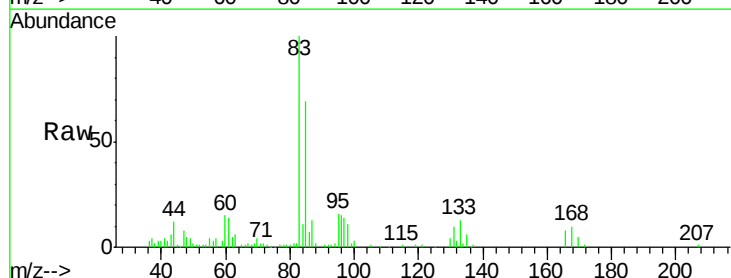
Tgt Ion: 83 Resp: 27732

Ion Ratio Lower Upper

83 100

85 68.7 45.3 84.1

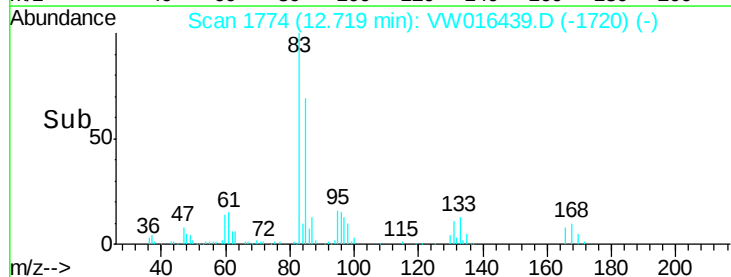
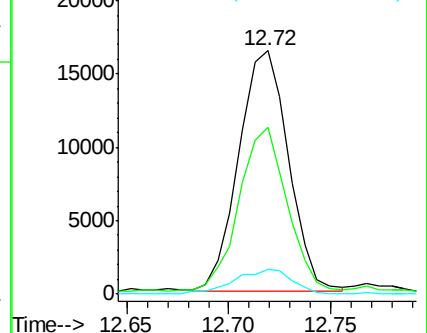
131 10.4 8.7 13.1

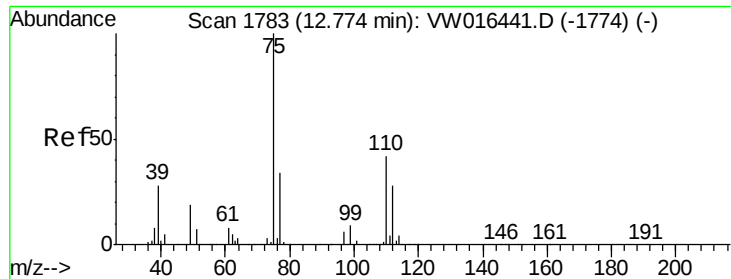


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

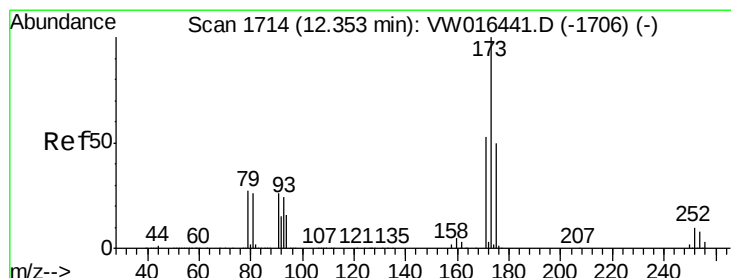
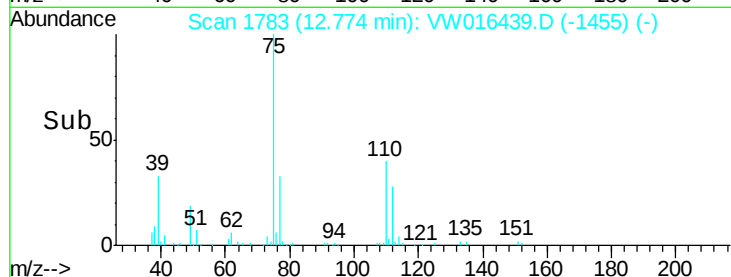
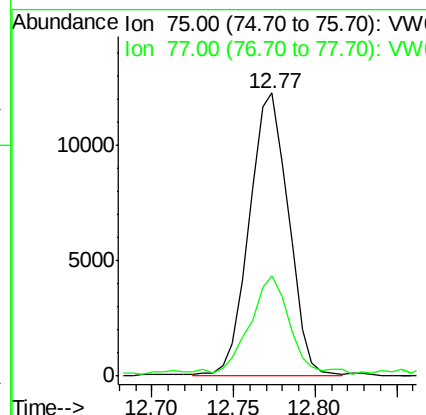
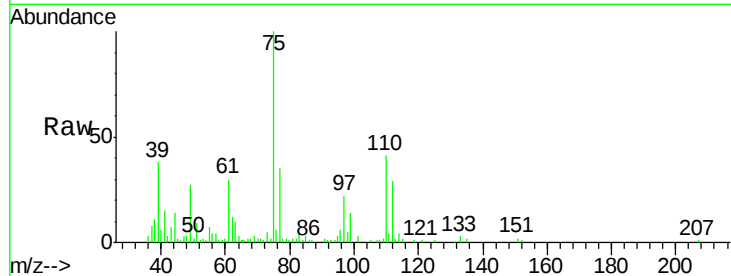




#59
 1,2,3-Trichloropropane
 Concen: 2.447 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

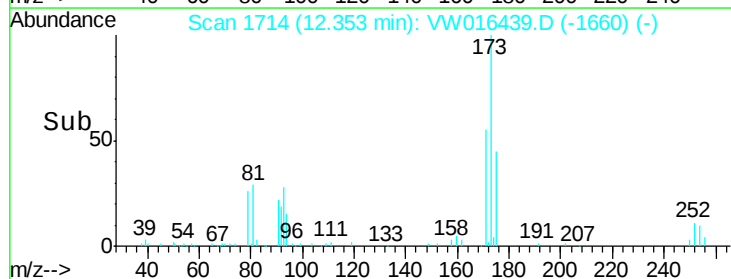
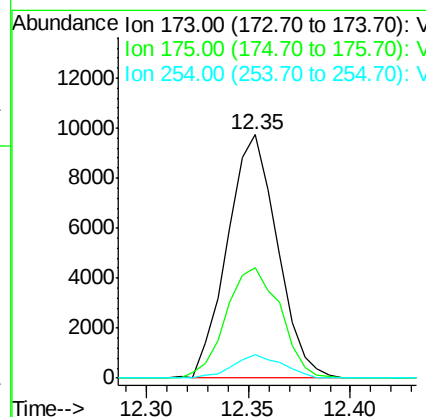
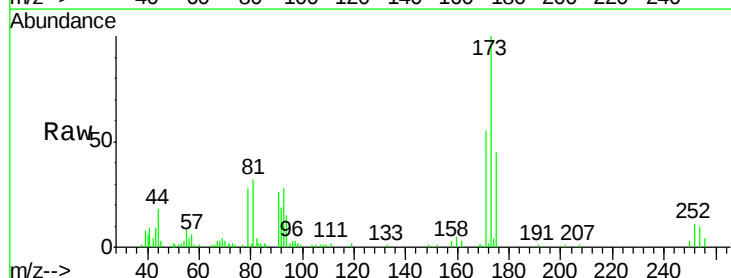
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

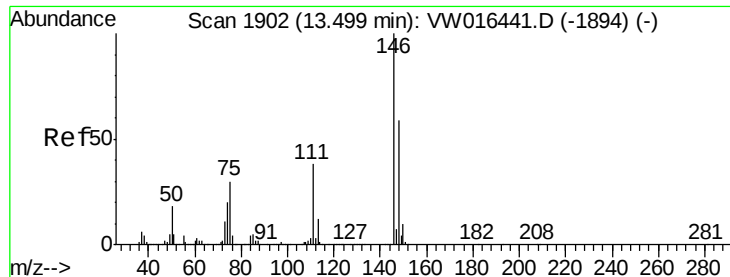
Tgt Ion: 75 Resp: 20631
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.0 39.0



#62
 Bromoform
 Concen: 2.464 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion: 173 Resp: 16548
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.2 58.8
 254 9.4 5.8 8.6#

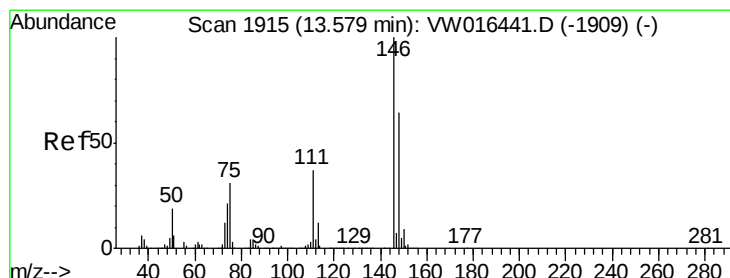
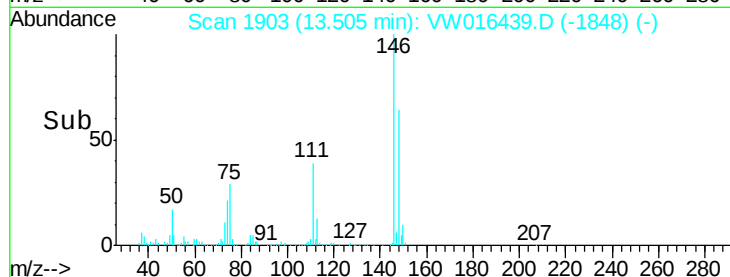
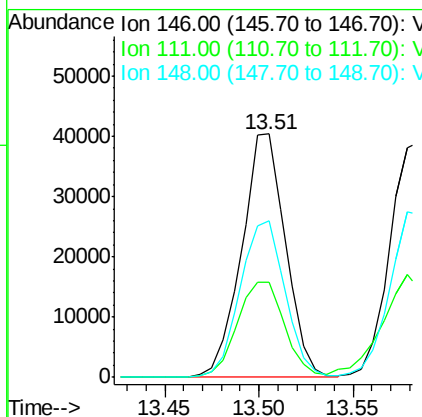
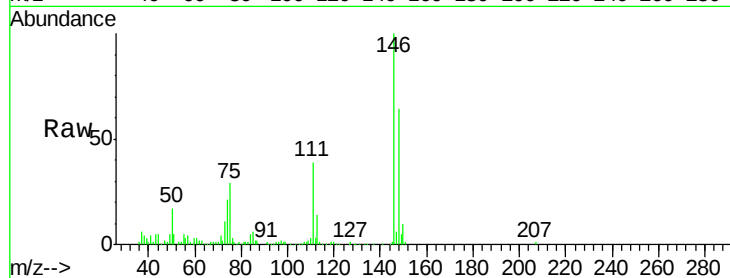




#63
 1,3-Dichlorobenzene
 Concen: 2.398 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

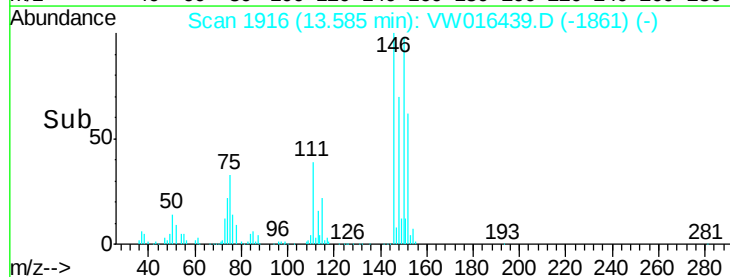
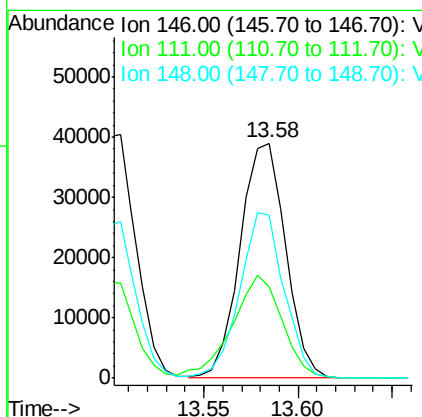
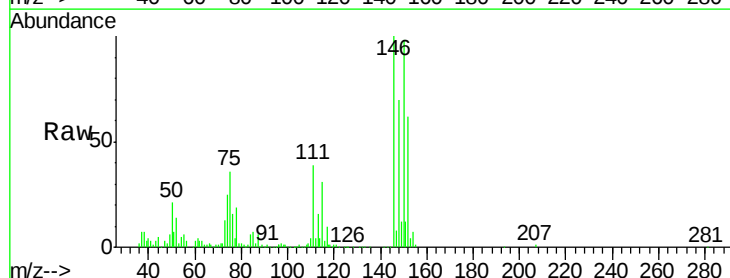
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

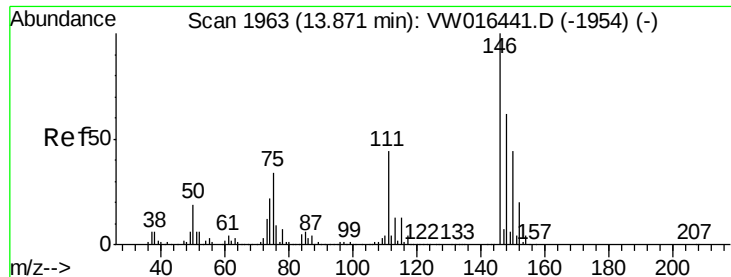
Tgt Ion:146 Resp: 65404
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.5 49.3
 148 64.3 41.3 76.7



#64
 1,4-Dichlorobenzene
 Concen: 2.344 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion:146 Resp: 64808
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.4 49.0
 148 69.6 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 2.466 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

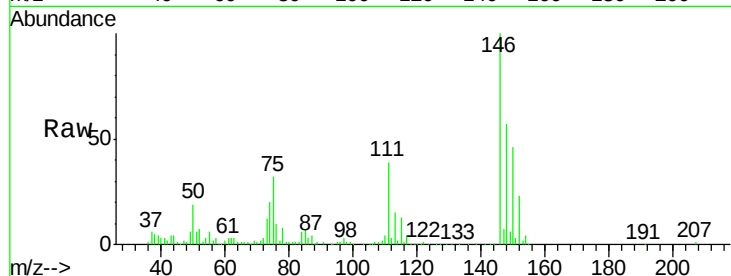
Tgt Ion:146 Resp: 60162

Ion Ratio Lower Upper

146 100

111 38.5 35.3 52.9

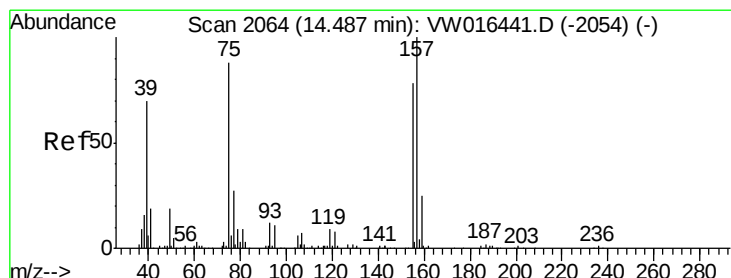
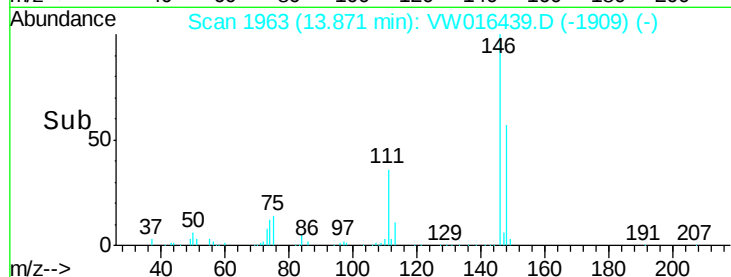
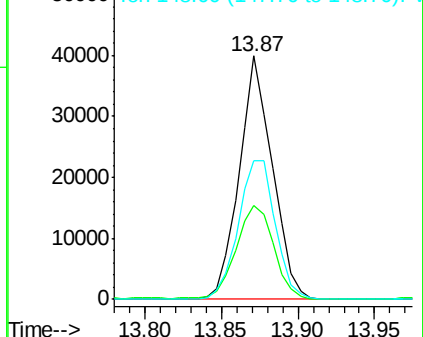
148 57.2 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.719 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

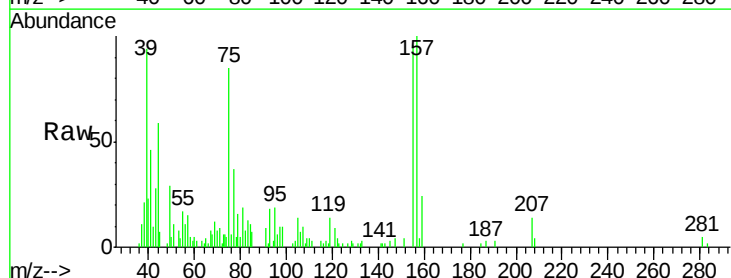
Tgt Ion: 75 Resp: 5303

Ion Ratio Lower Upper

75 100

157 117.0 91.4 137.0

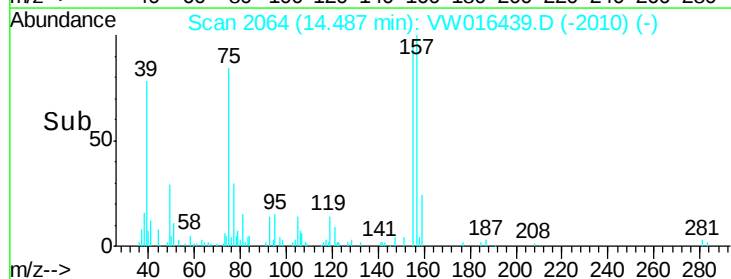
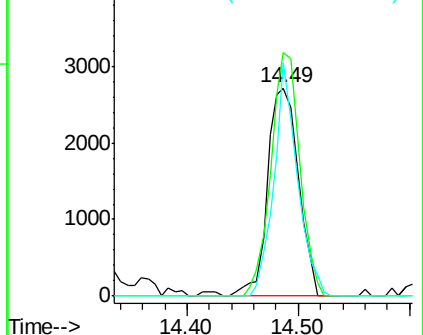
155 112.1 71.3 106.9#

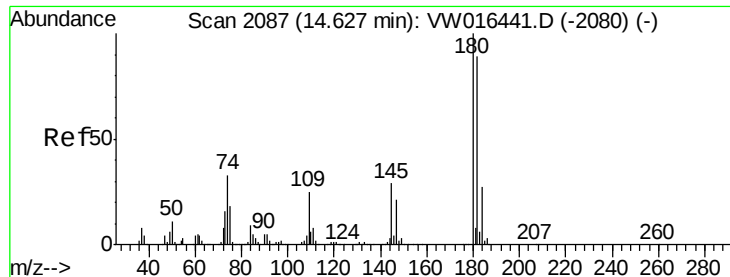


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

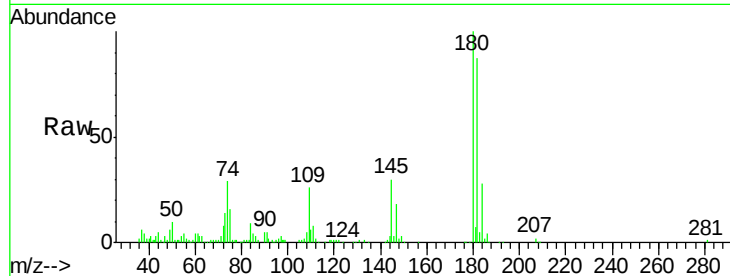




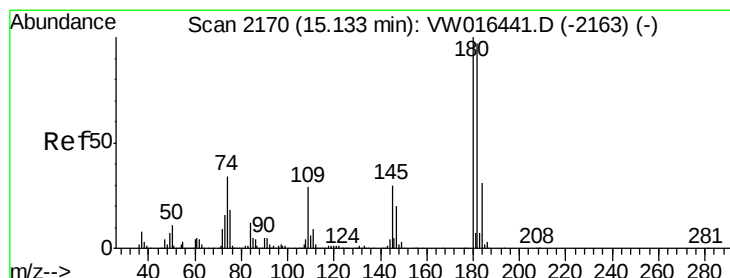
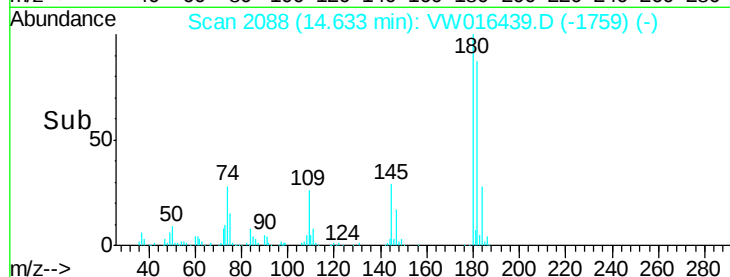
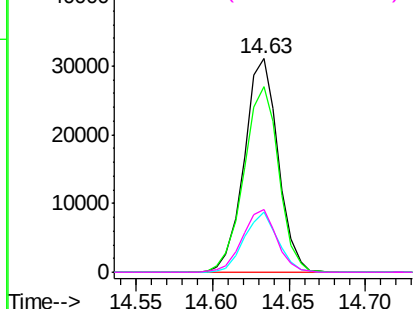
#67
 1,3,5-Trichlorobenzene
 Concen: 2.534 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Tgt Ion:180 Resp: 47707
 Ion Ratio Lower Upper
 180 100
 182 89.2 75.8 113.8
 184 27.7 24.2 36.2
 145 30.0 24.6 36.8

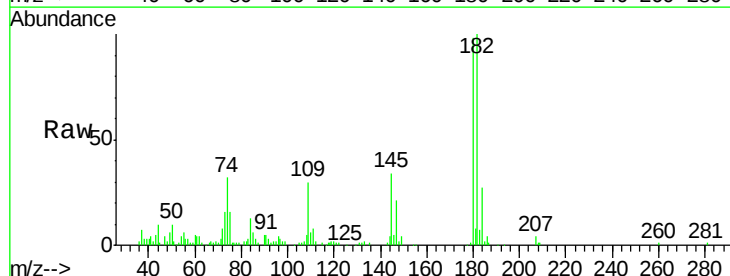


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

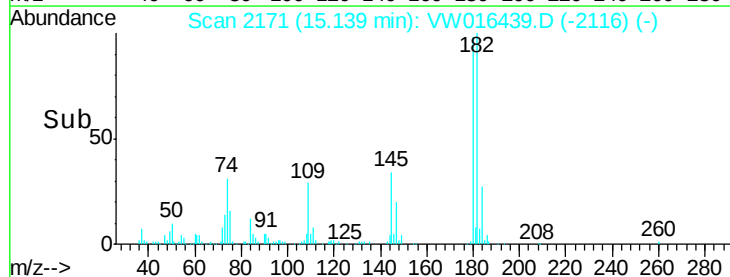
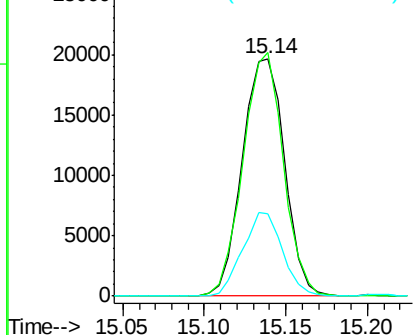


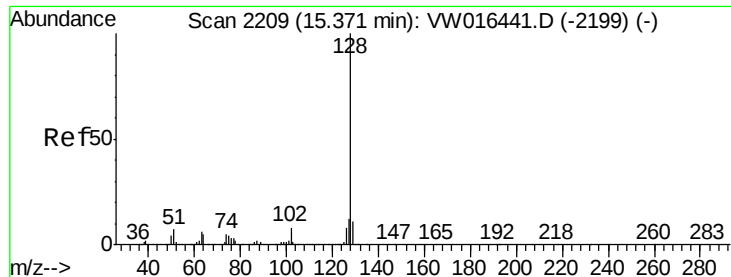
#68
 1,2,4-trichlorobenzene
 Concen: 2.390 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016439.D
 Acq: 03 Sep 2020 11:34

Tgt Ion:180 Resp: 35552
 Ion Ratio Lower Upper
 180 100
 182 97.5 78.5 117.7
 145 33.2 25.6 38.4



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





#69

Naphthalene

Concen: 2.537 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

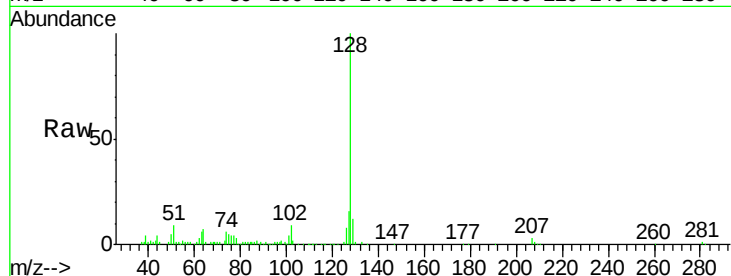
Tgt Ion:128 Resp: 75195

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

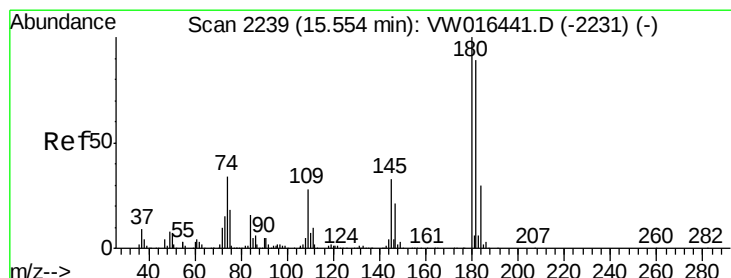
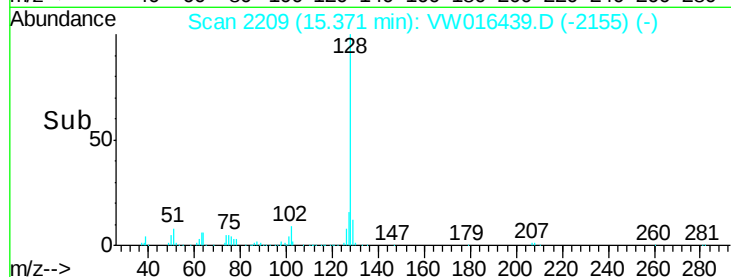
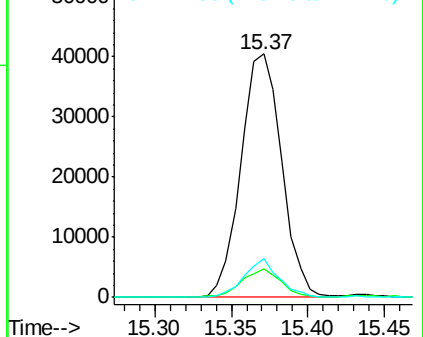
127 13.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.522 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016439.D

Acq: 03 Sep 2020 11:34

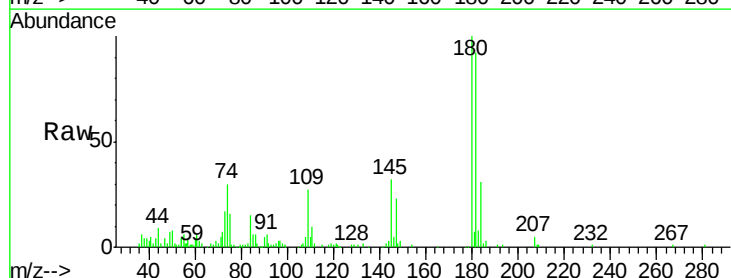
Tgt Ion:180 Resp: 32962

Ion Ratio Lower Upper

180 100

182 91.5 76.1 114.1

145 31.2 28.1 42.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

