

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016457.D
 Acq On : 04 Sep 2020 10:11
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Sep 05 04:18:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 04:59:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	795517	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	708888	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	334679	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	192331	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
7) Chloroethane-d5	2.90	69	178277	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.08%
10) 1,1-Dichloroethene-d2	4.03	63	429704	22.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.56%
20) 2-Butanone-d5	7.08	46	106712	35.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.80%
24) Chloroform-d	7.65	84	438337	23.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.08%
26) 1,2-Dichloroethane-d4	8.30	65	222631	21.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.40%
29) Benzene-d6	8.28	84	857140	23.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.12%
33) 1,2-Dichloropropane-d6	9.27	67	246219	23.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.04%
37) Toluene-d8	10.33	98	840726	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.16%
38) trans-1,3-Dichloropropene-	10.58	79	120177	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.00%
39) 2-Hexanone-d5	10.93	63	85893	39.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	193027	21.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	293258	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	207090	23.268	ug/L 99
3) Chloromethane	2.22	50	183814	23.524	ug/L 99
5) Vinyl chloride	2.37	62	250016	25.120	ug/L 99
6) Bromomethane	2.79	94	189041	25.413	ug/L 99
8) Chloroethane	2.93	64	157412	25.710	ug/L 99
9) Trichlorofluoromethane	3.26	101	199966	24.533	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	237730	24.659	ug/L 99
12) 1,1-Dichloroethene	4.04	96	238415	24.321	ug/L 98
13) Acetone	4.12	43	76580	39.584	ug/L 97
14) Carbon disulfide	4.39	76	729372	24.347	ug/L 99
15) Methyl Acetate	4.67	43	87375	18.622	ug/L 93
16) Methylene chloride	4.92	84	238357	19.199	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	333458	22.675	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	253604	24.355	ug/L 94
19) 1,1-Dichloroethane	6.22	63	411860	23.240	ug/L 99
21) 2-Butanone	7.17	43	110681	34.086	ug/L 92
22) cis-1,2-Dichloroethene	7.17	96	262186	24.170	ug/L 98

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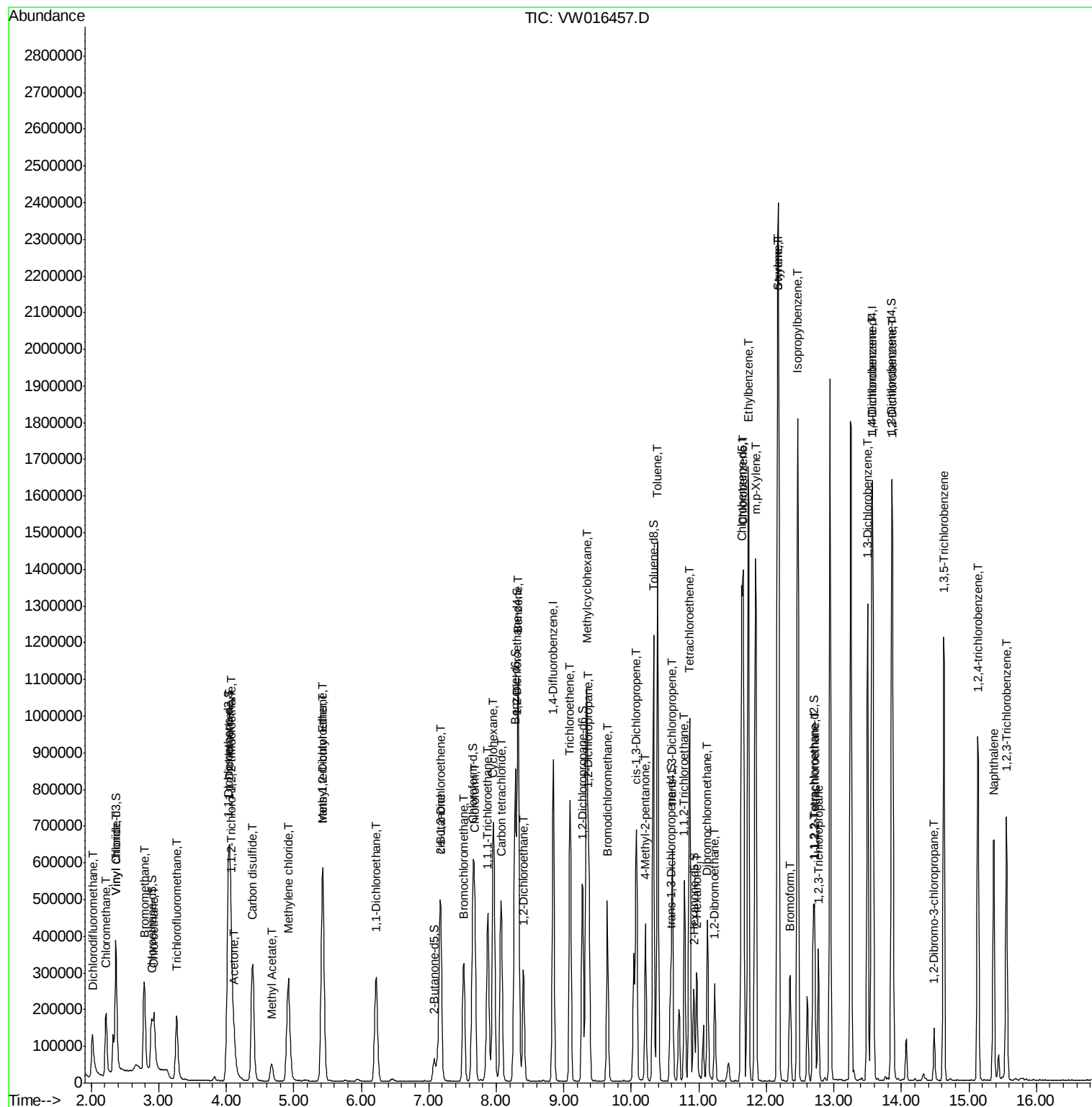
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	120128	23.891	ug/L	94
25) Chloroform	7.68	83	432955	23.604	ug/L	99
27) 1,2-Dichloroethane	8.40	62	272737	22.329	ug/L	99
30) Cyclohexane	7.96	56	397344	23.465	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	379111	24.698	ug/L	98
32) Carbon tetrachloride	8.07	117	373116	25.413	ug/L	99
34) Benzene	8.32	78	952869	24.585	ug/L	100
35) Trichloroethene	9.09	95	265692	24.739	ug/L	99
36) Methylcyclohexane	9.34	83	462523	24.615	ug/L	96
40) 1,2-Dichloropropane	9.37	63	224889	23.467	ug/L	99
41) Bromodichloromethane	9.65	83	320334	23.910	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	382812	23.540	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	268217	39.526	ug/L	97
44) Toluene	10.39	91	1072468	24.728	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	331537	22.808	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	172812	22.753	ug/L	96
47) Tetrachloroethene	10.87	164	225228	26.156	ug/L	98
49) 2-Hexanone	10.97	43	185498	39.252	ug/L	98
50) Dibromochloromethane	11.13	129	230724	24.024	ug/L	98
51) 1,2-Dibromoethane	11.24	107	175739	23.155	ug/L	98
52) Chlorobenzene	11.66	112	695491	25.279	ug/L	96
53) Ethylbenzene	11.73	91	1189208	24.343	ug/L	93
54) m,p-Xylene	11.84	106	468302	25.082	ug/L	95
55) o-xylene	12.17	106	445855	25.069	ug/L	99
56) Styrene	12.18	104	748294	24.488	ug/L	94
57) Isopropylbenzene	12.47	105	1213515	24.908	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	197513	21.815	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	139887	20.672	ug/L	100
62) Bromoform	12.35	173	130058	23.159	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	515469	24.464	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	530445	25.389	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	460943	24.611	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	34290	19.662	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	374692	25.800	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	296615	23.613	ug/L	99
69) Naphthalene	15.37	128	582048	21.955	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	261464	24.243	ug/L	97

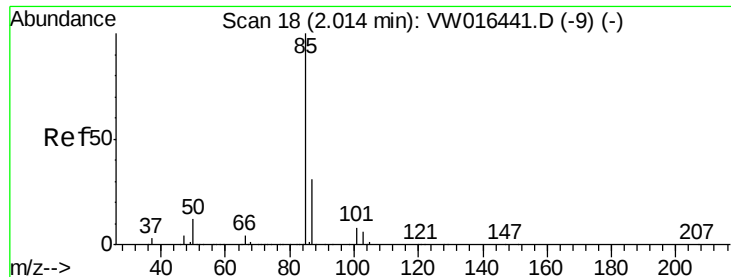
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.268 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

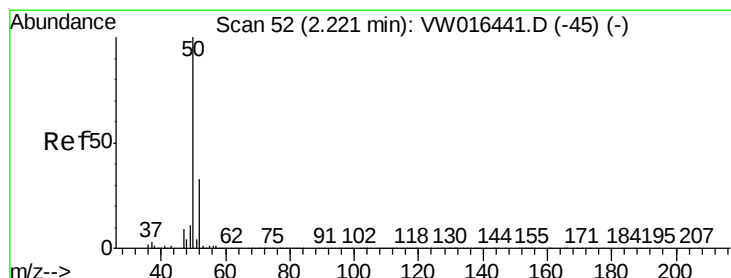
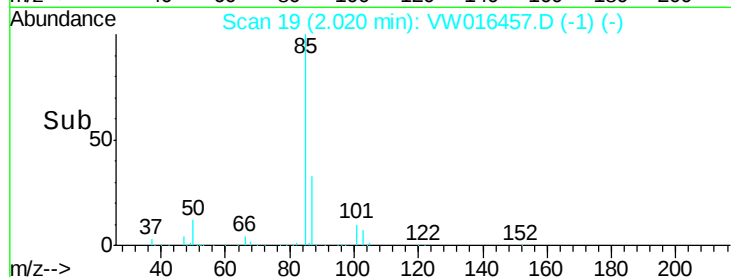
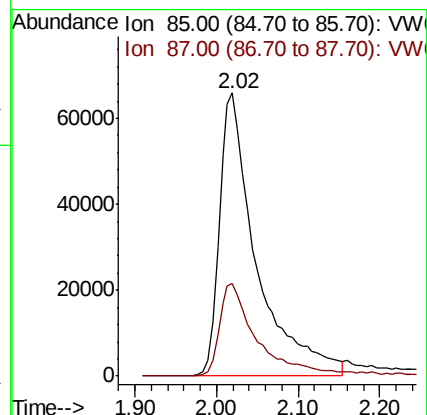
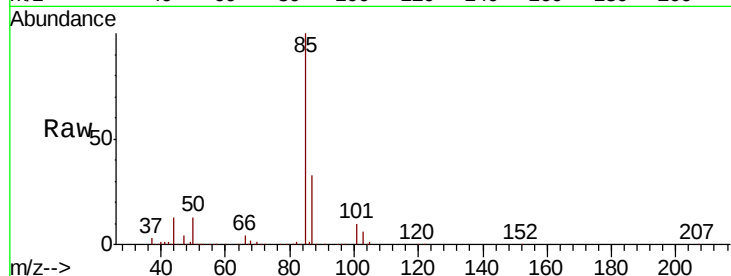
VSTD02509

Tot Ion: 85 Resp: 207090

Ion Ratio Lower Upper

85 100

87 32.3 22.3 41.5



#3

Chloromethane

Concen: 23.524 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016457.D

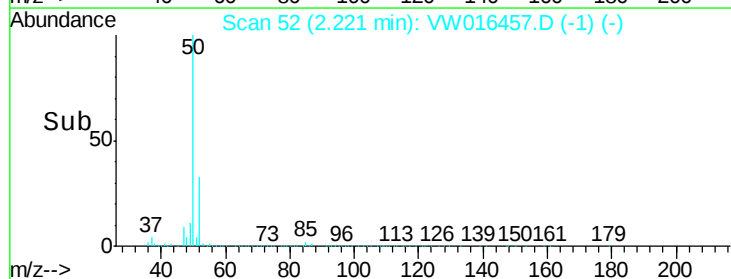
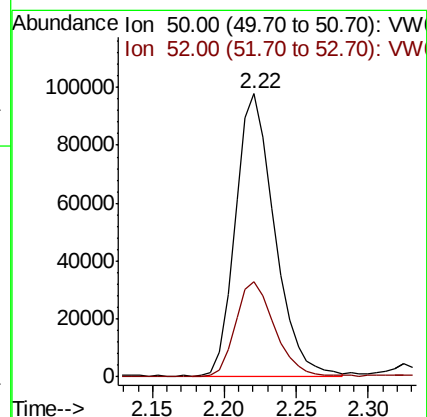
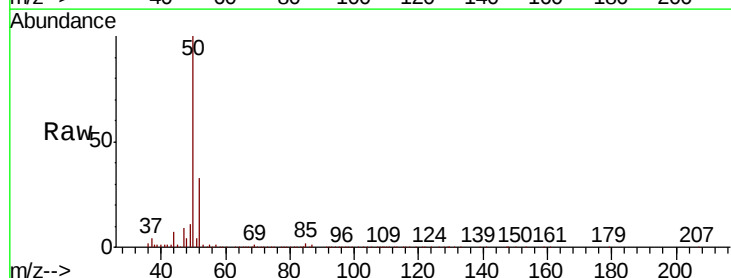
Acq: 04 Sep 2020 10:11

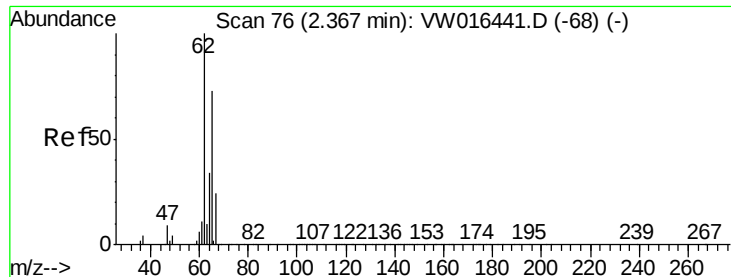
Tgt Ion: 50 Resp: 183814

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6





#5

Vinyl chloride

Concen: 25.120 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

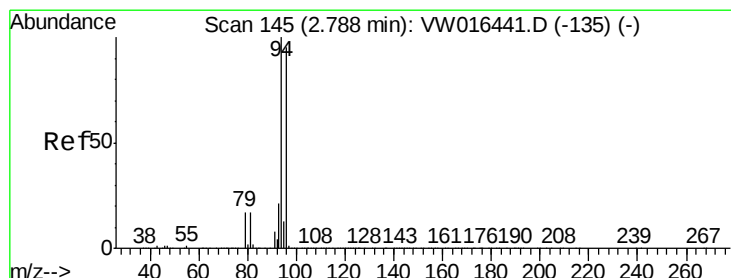
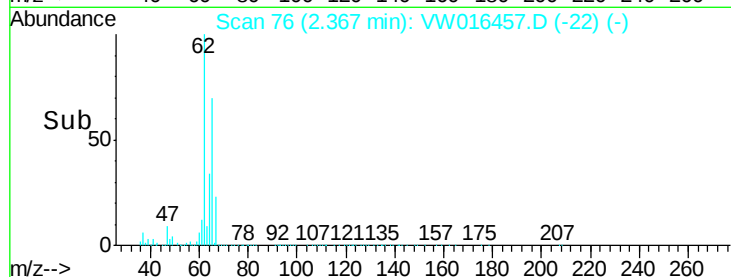
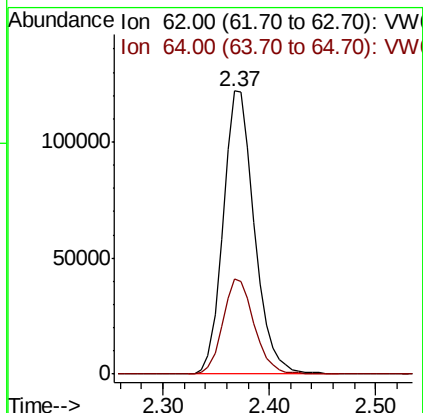
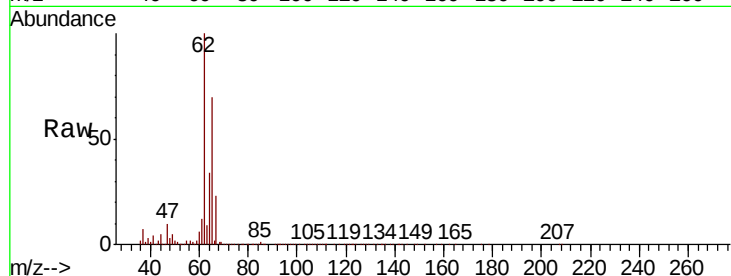
VSTD02509

Tot Ion: 62 Resp: 250016

Ion Ratio Lower Upper

62 100

64 33.8 23.9 44.5



#6

Bromomethane

Concen: 25.413 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016457.D

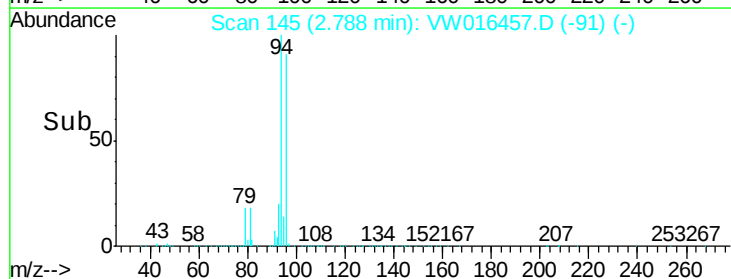
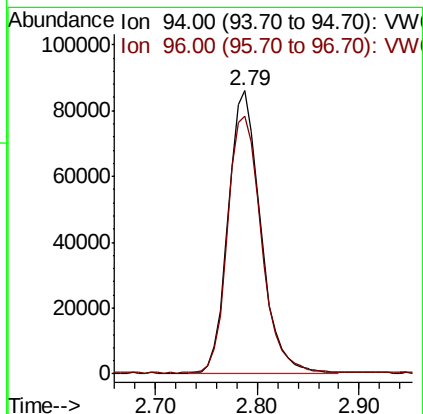
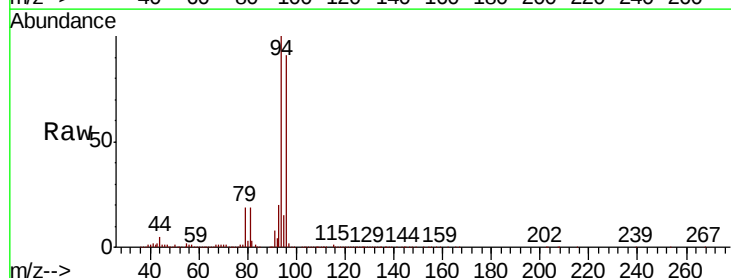
Acq: 04 Sep 2020 10:11

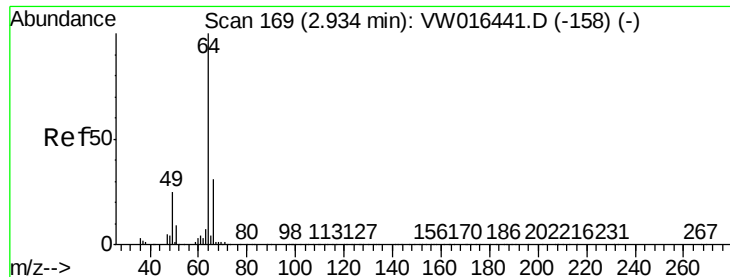
Tgt Ion: 94 Resp: 189041

Ion Ratio Lower Upper

94 100

96 94.9 9.4 178.2

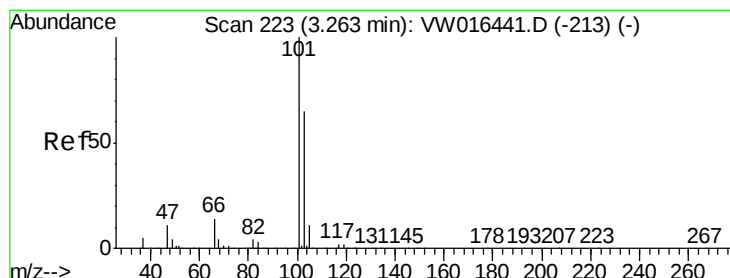
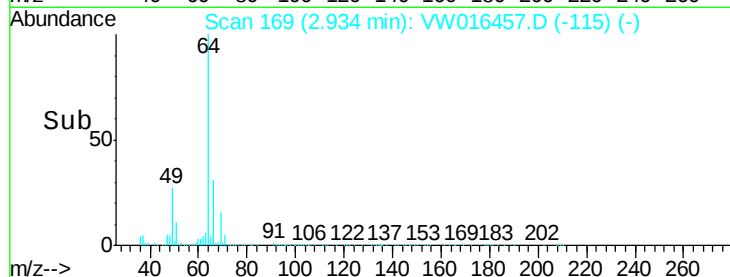
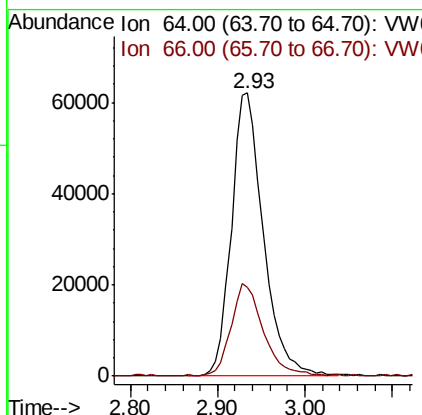
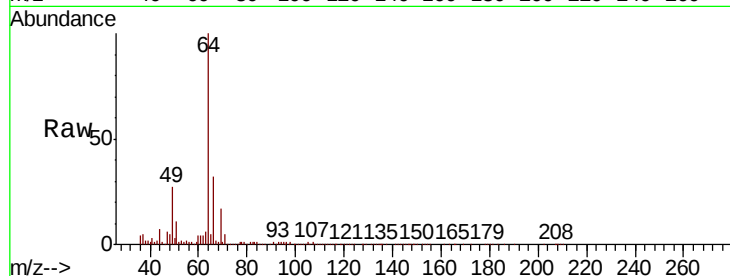




#8
Chloroethane
Concen: 25.710 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

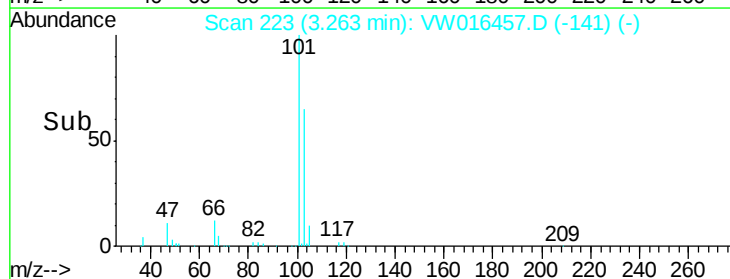
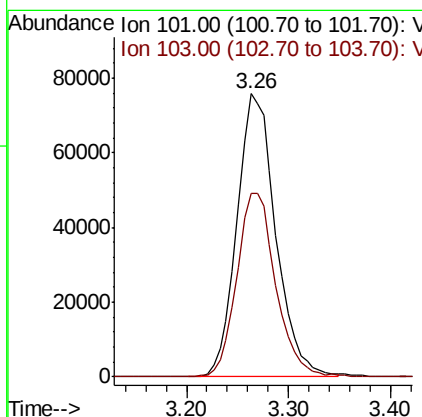
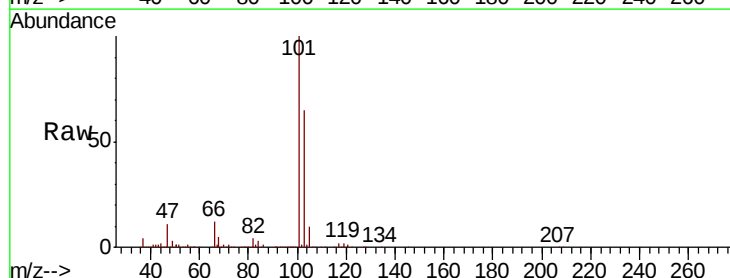
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

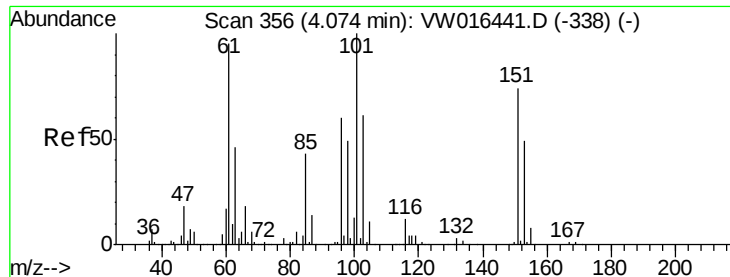
Tot Ion: 64 Resp: 157412
Ion Ratio Lower Upper
64 100
66 31.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 24.533 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

Tgt Ion: 101 Resp: 199966
Ion Ratio Lower Upper
101 100
103 65.2 45.1 83.7





#11

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

Concen: 24.659 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

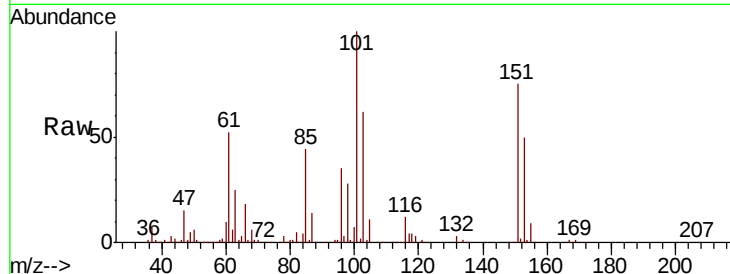
Tot Ion:101 Resp: 237730

Ion Ratio Lower Upper

101 100

85 43.3 33.4 50.0

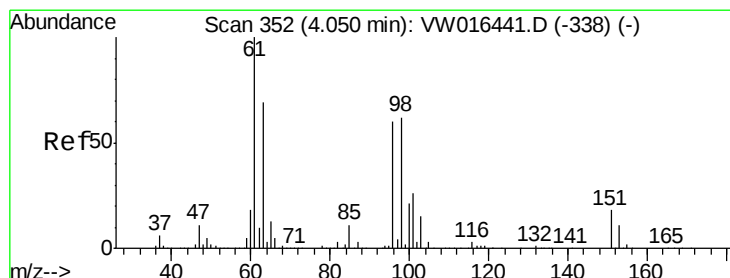
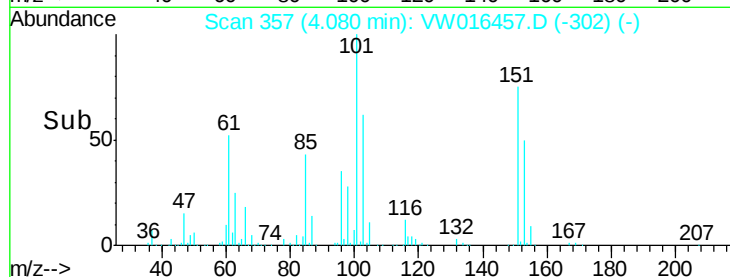
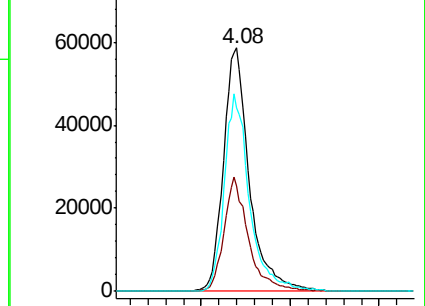
151 76.7 61.6 92.4



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: 24.321 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

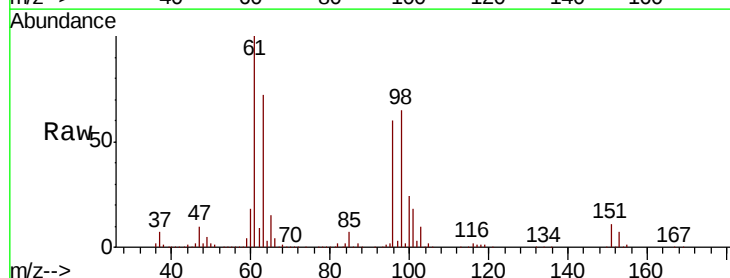
Tgt Ion: 96 Resp: 238415

Ion Ratio Lower Upper

96 100

61 166.2 116.5 216.3

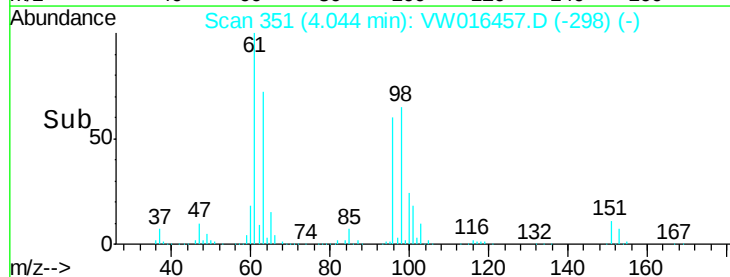
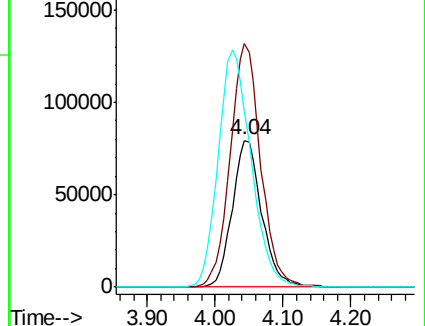
63 120.0 81.1 150.5

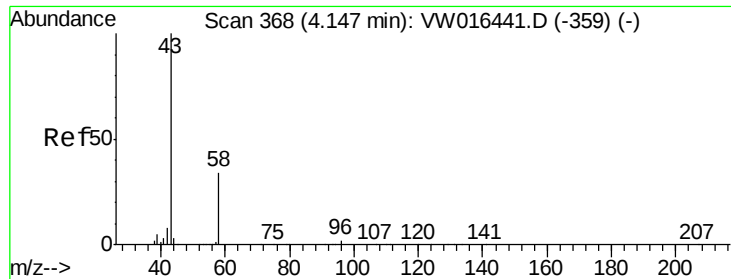


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.584 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

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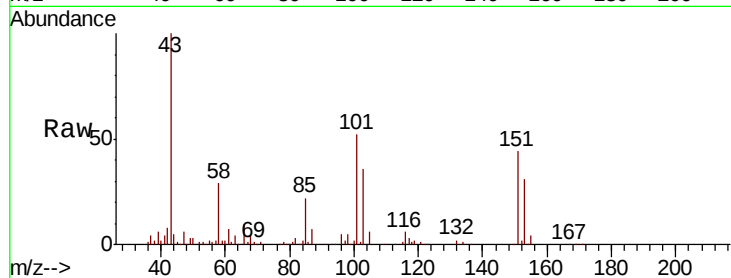
VSTD02509

Tot Ion: 43 Resp: 76580

Ion Ratio Lower Upper

43 100

58 30.0 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

30000

25000

20000

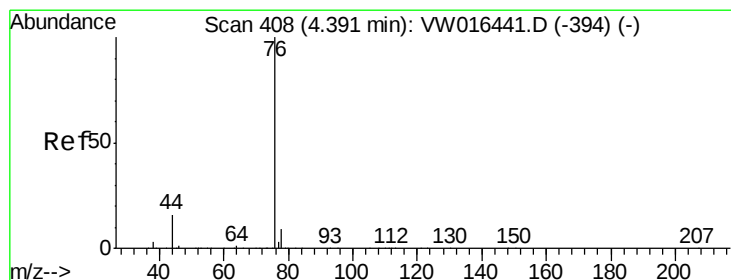
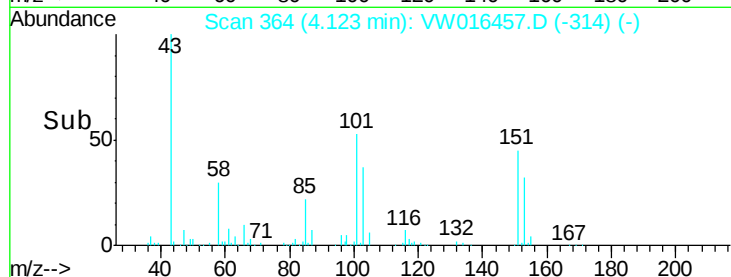
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 24.347 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016457.D

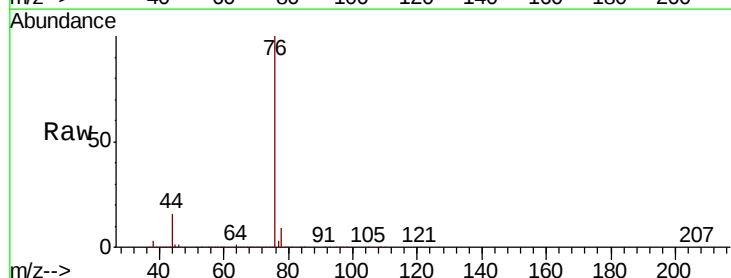
Acq: 04 Sep 2020 10:11

Tgt Ion: 76 Resp: 729372

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

250000

200000

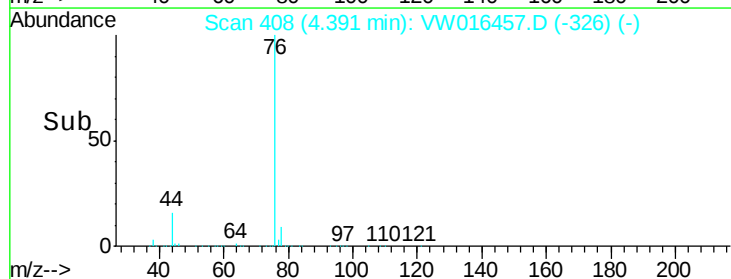
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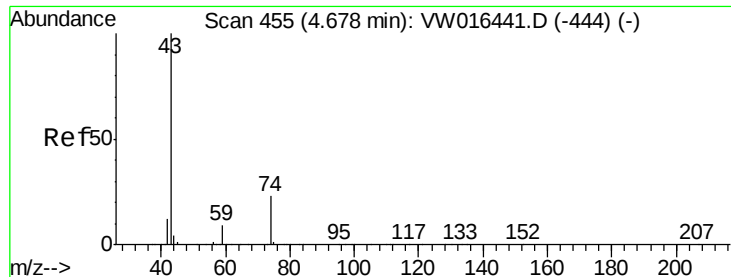
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50000

0

Time-->





#15

Methvl Acetate

Concen: 18.622 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

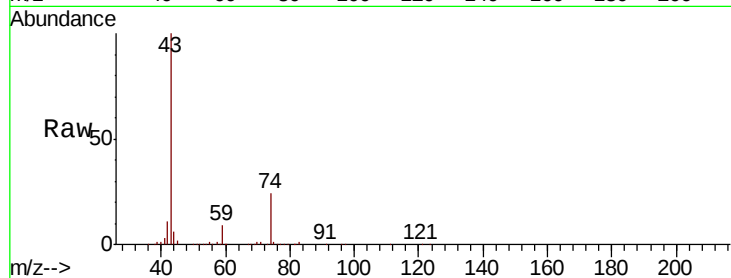
VSTD02509

Tot Ion: 43 Resp: 87375

Ion Ratio Lower Upper

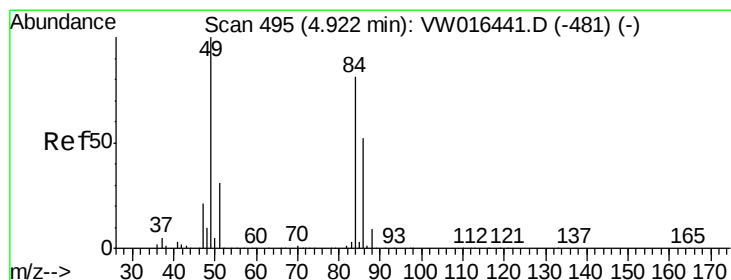
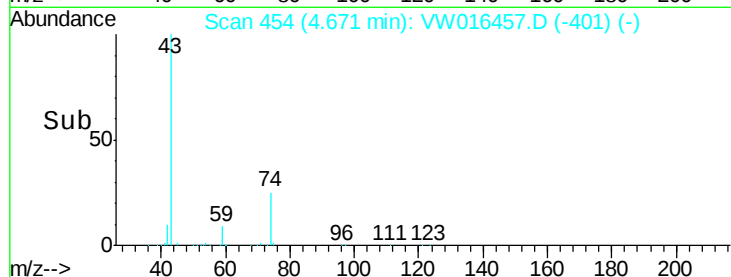
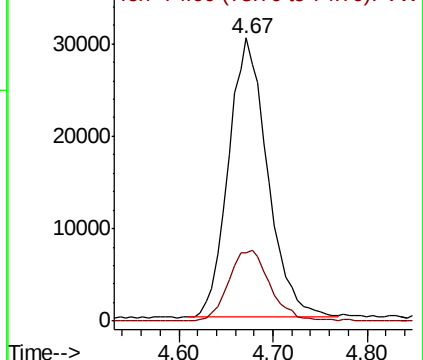
43 100

74 27.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 19.199 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

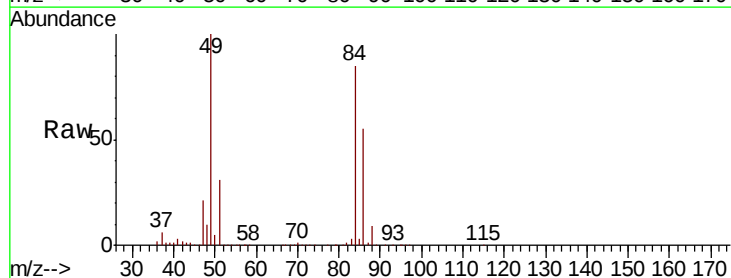
Tgt Ion: 84 Resp: 238357

Ion Ratio Lower Upper

84 100

49 117.6 86.7 160.9

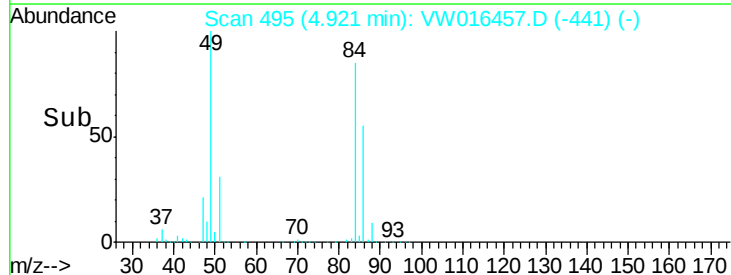
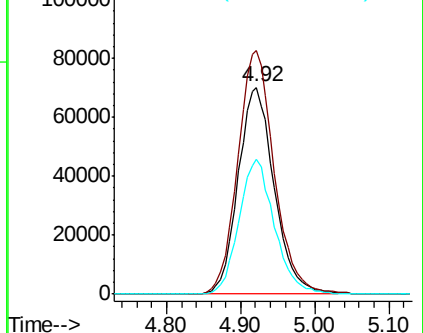
86 64.9 44.9 83.5

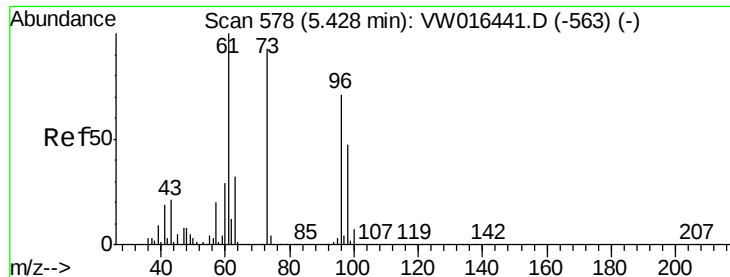


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

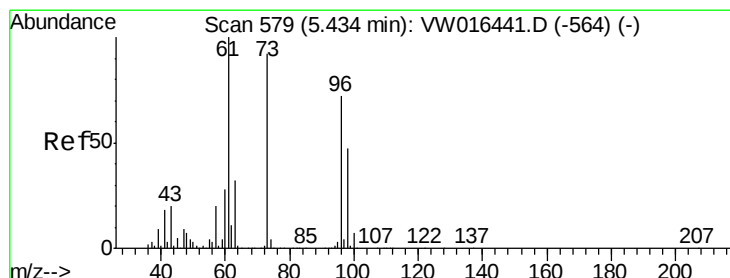
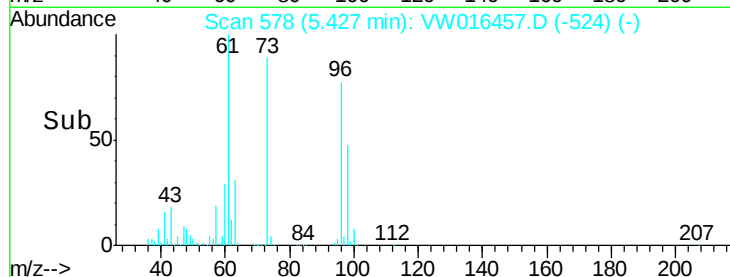
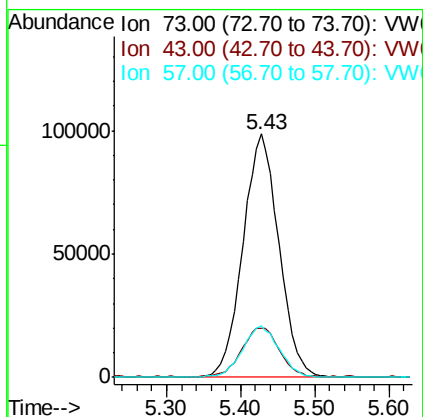
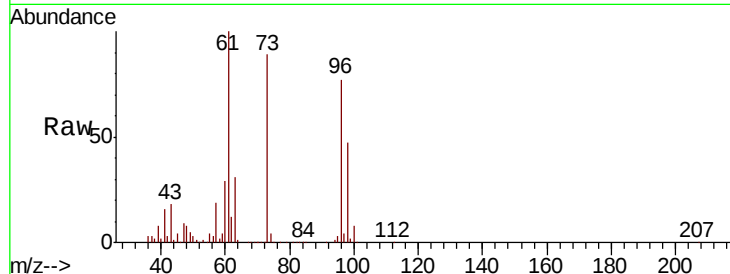




#17
Methvl tert-butvl Ether
Concen: 22.675 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

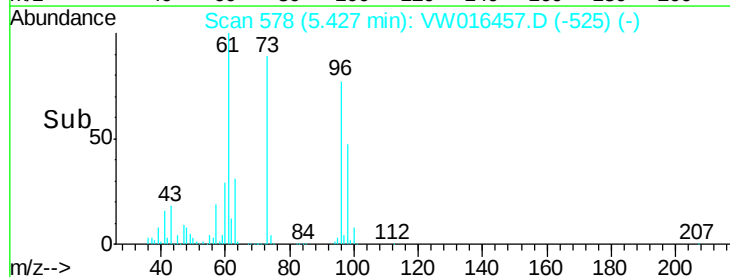
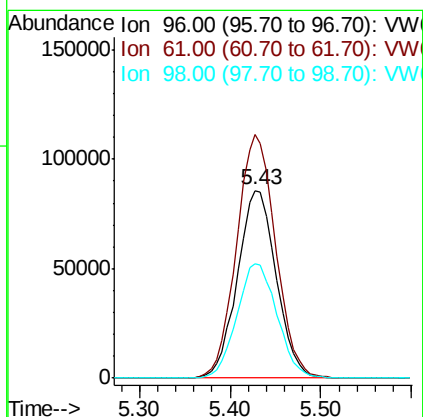
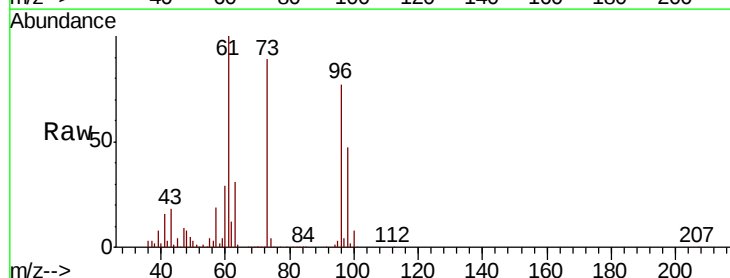
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

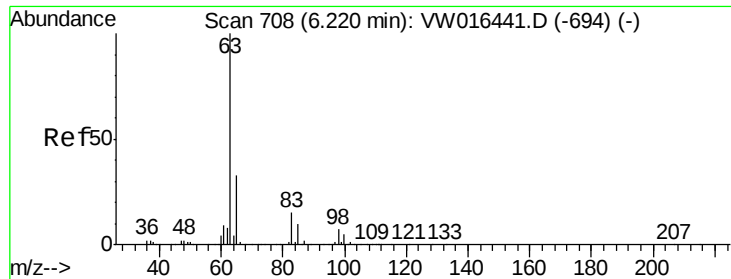
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.1	17.9	26.9
57	21.4	17.4	26.0



#18
trans-1,2-Dichloroethene
Concen: 24.355 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.0	96.4	179.0
98	61.1	45.1	83.7



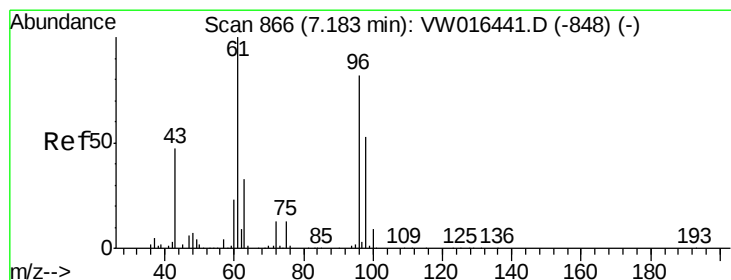
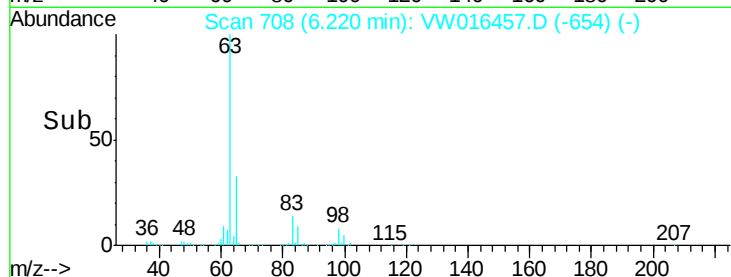
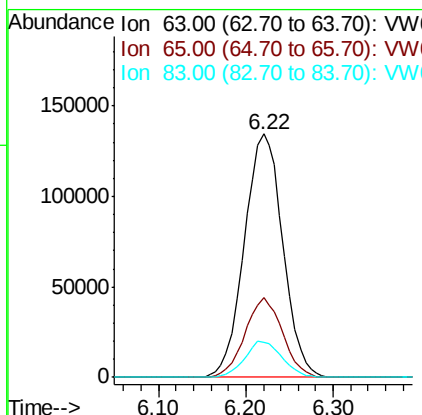
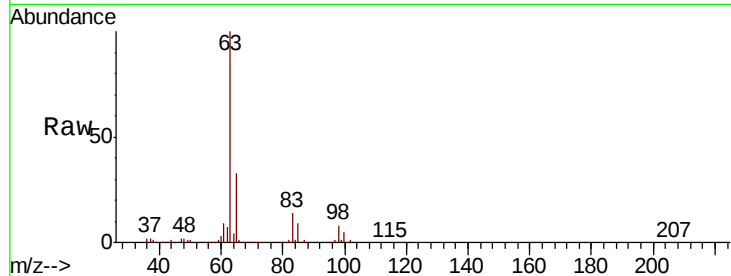


#19
 1,1-Dichloroethane
 Concen: 23.240 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion: 63 Resp: 411860

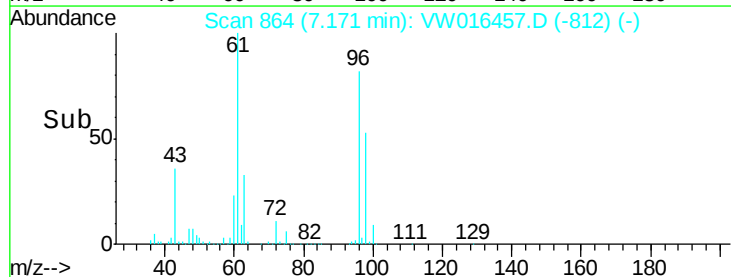
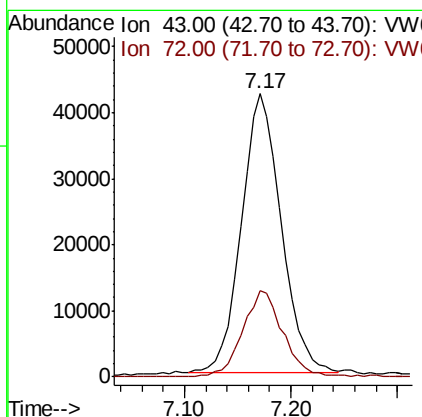
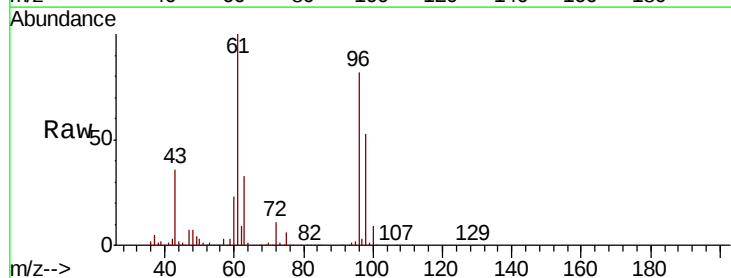
Ion	Ratio	Lower	Upper
63	100		
65	32.7	23.3	43.3
83	14.4	10.3	19.1

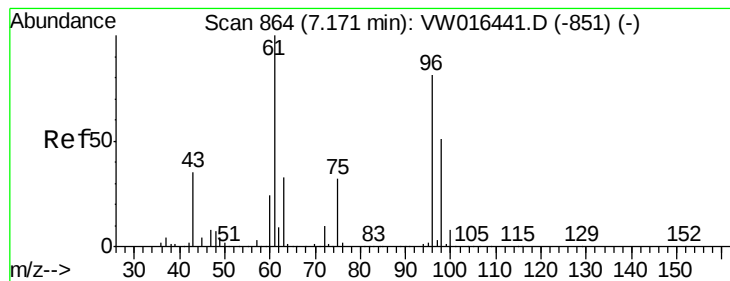


#21
 2-Butanone
 Concen: 34.086 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Tgt Ion: 43 Resp: 110681

Ion	Ratio	Lower	Upper
43	100		
72	31.1	13.5	40.4



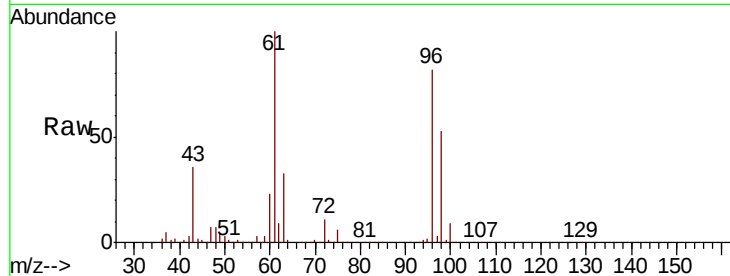


#22

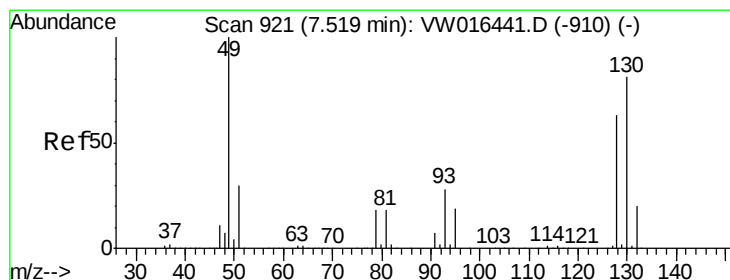
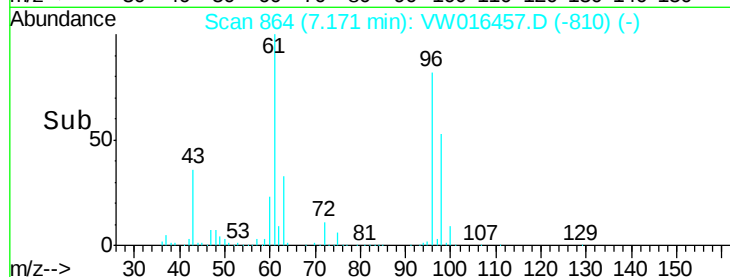
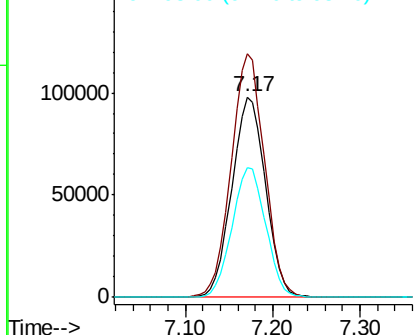
cis-1,2-Dichloroethene
 Concen: 24.170 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion: 96 Resp: 262186
 Ion Ratio Lower Upper
 96 100
 61 121.4 86.1 159.9
 98 64.8 44.1 81.9



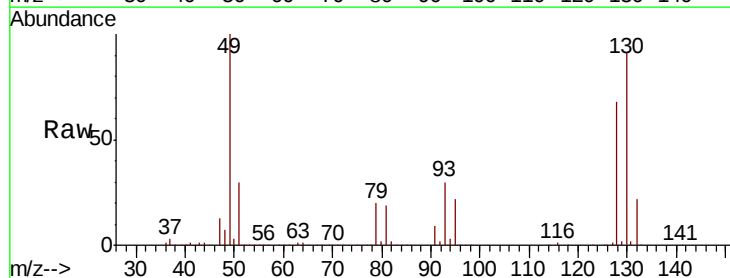
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



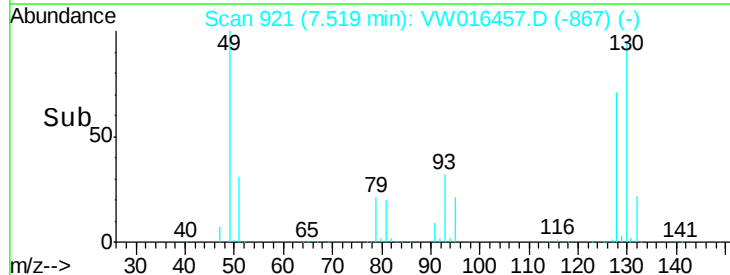
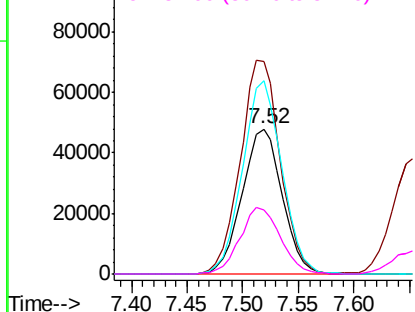
#23

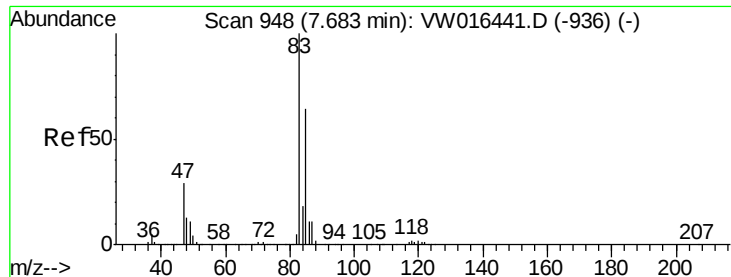
Bromochloromethane
 Concen: 23.891 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Tgt Ion: 128 Resp: 120128
 Ion Ratio Lower Upper
 128 100
 49 146.3 111.6 207.4
 130 132.7 90.9 168.7
 51 44.4 38.5 57.7



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

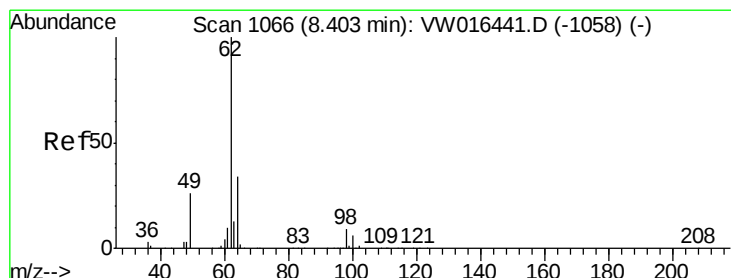
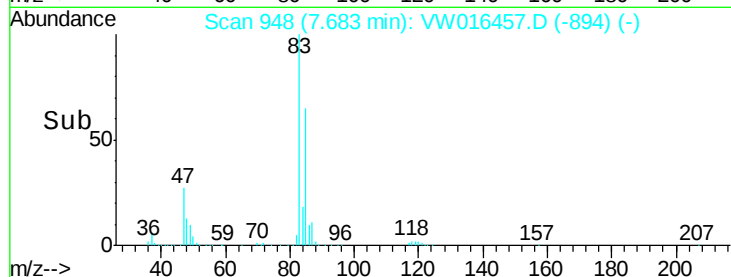
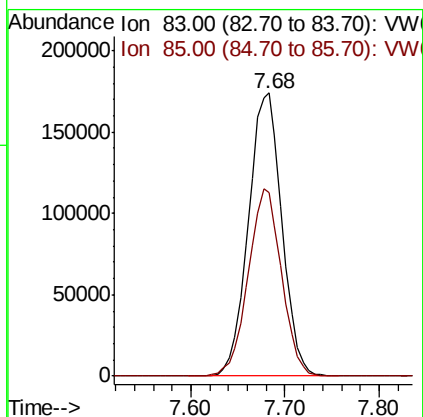
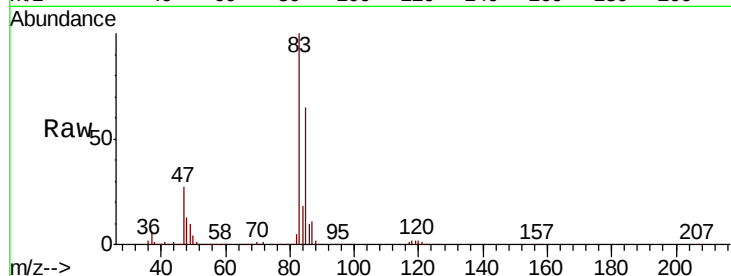




#25
Chloroform
Concen: 23.604 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

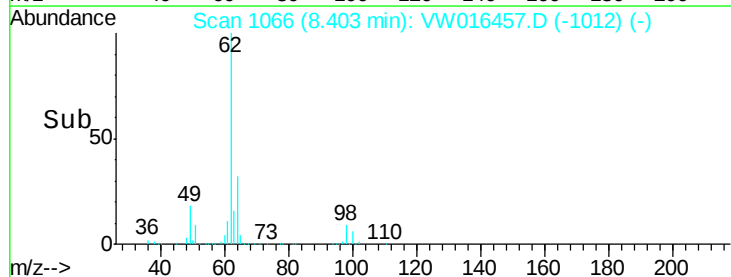
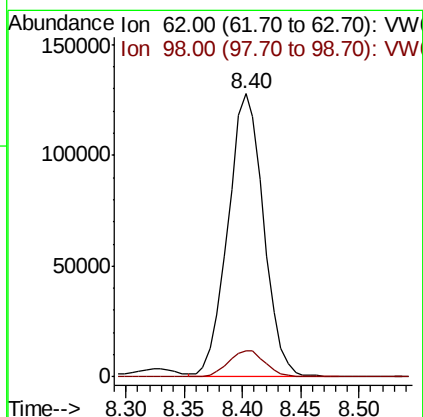
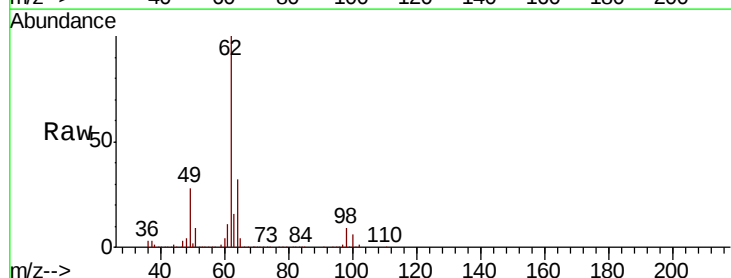
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

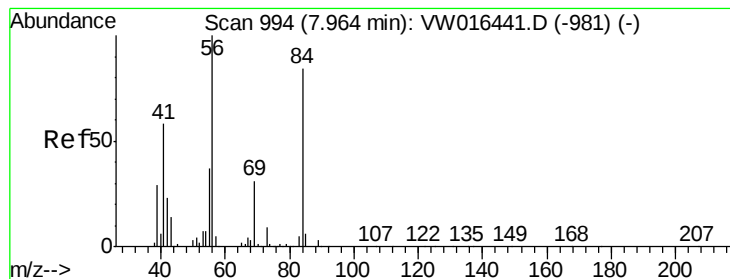
Tot Ion: 83 Resp: 432955
Ion Ratio Lower Upper
83 100
85 66.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 22.329 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

Tgt Ion: 62 Resp: 272737
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9





#30

Cyclohexane

Concen: 23.465 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

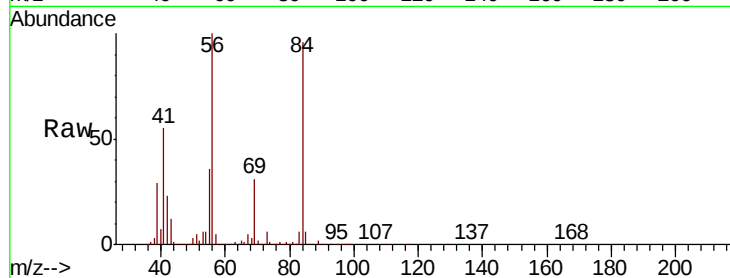
Tot Ion: 56 Resp: 397344

Ion Ratio Lower Upper

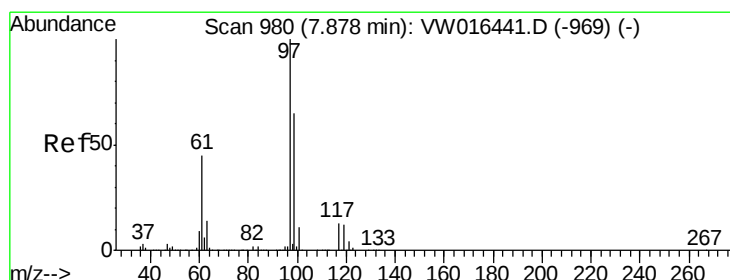
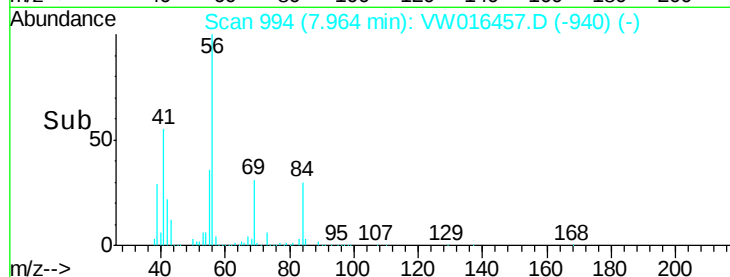
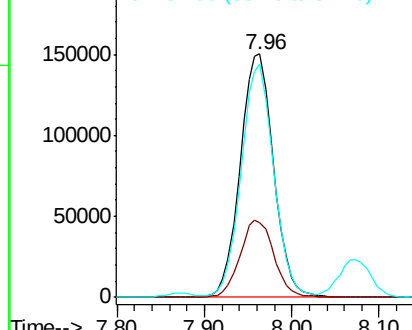
56 100

69 32.3 25.3 37.9

84 93.9 71.6 107.4



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



#31

1,1,1-Trichloroethane

Concen: 24.698 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

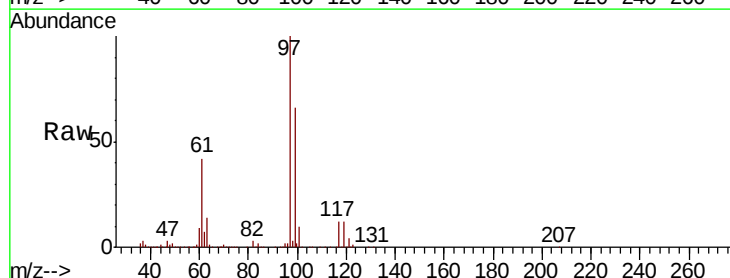
Tgt Ion: 97 Resp: 379111

Ion Ratio Lower Upper

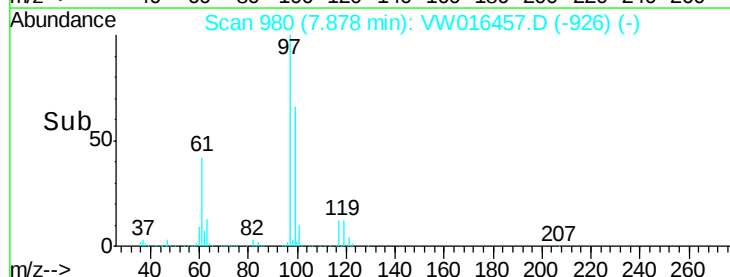
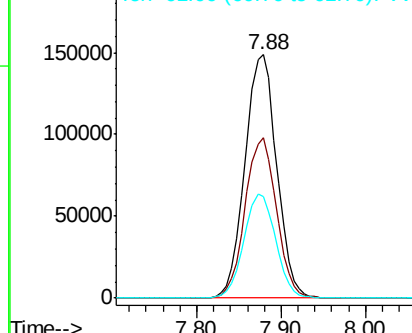
97 100

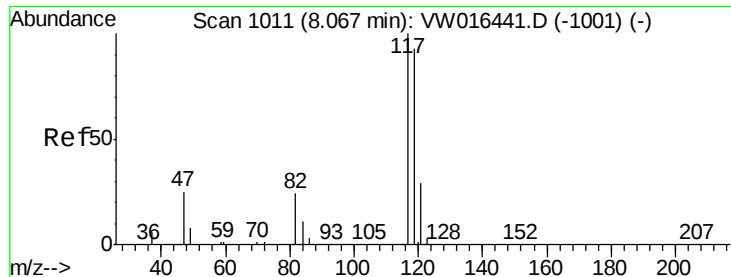
99 65.2 52.2 78.2

61 43.0 36.3 54.5



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





#32

Carbon tetrachloride

Concen: 25.413 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

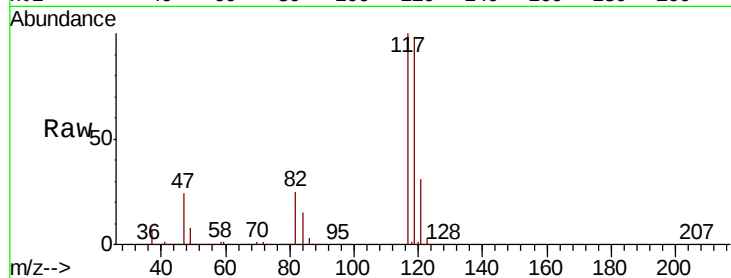
VSTD02509

Tot Ion:117 Resp: 373116

Ion Ratio Lower Upper

117 100

119 95.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

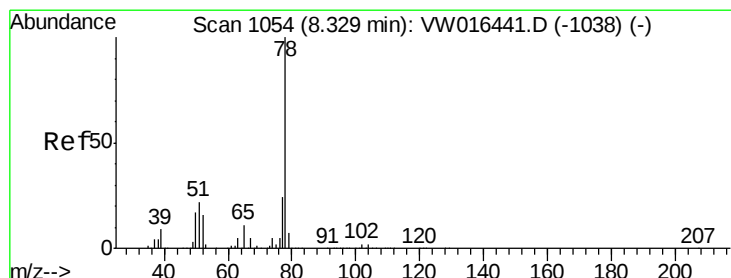
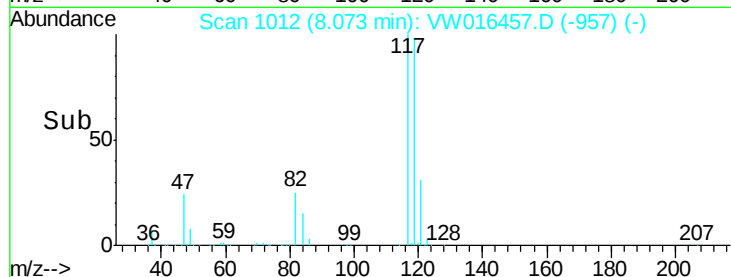
50000

0

8.07

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 24.585 ug/L

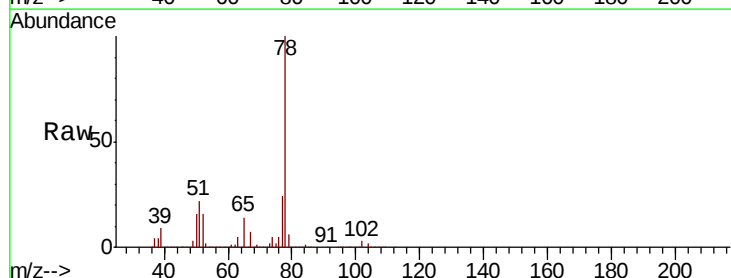
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Tgt Ion: 78 Resp: 952869



Abundance Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

200000

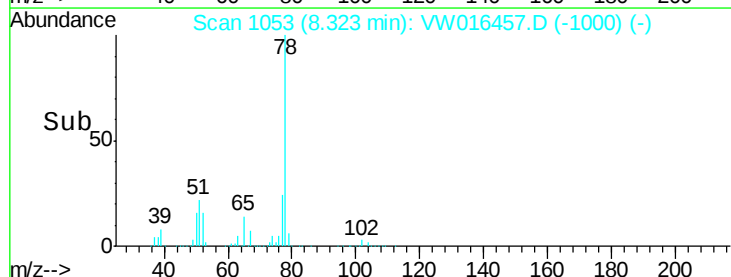
100000

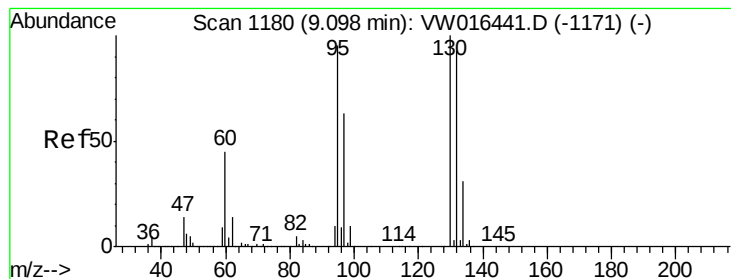
0

8.32

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.739 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion: 95 Resp: 265692

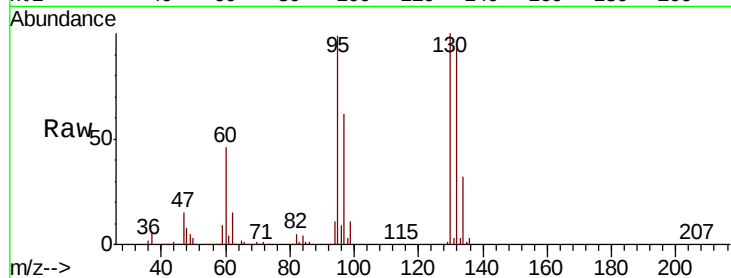
Ion Ratio Lower Upper

95 100

97 64.3 44.9 83.5

132 98.5 69.2 128.4

130 104.7 72.0 133.6

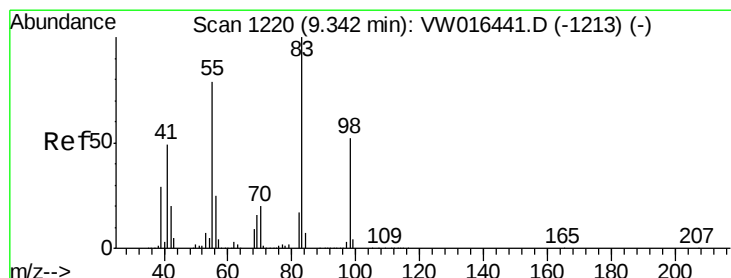
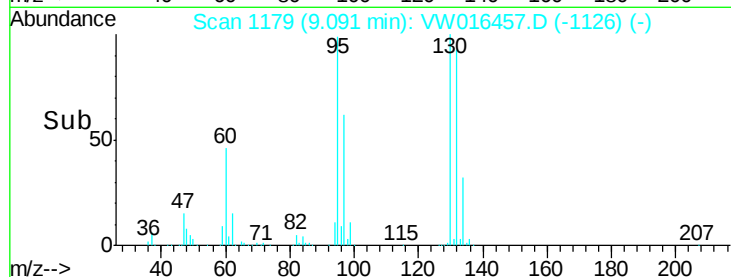
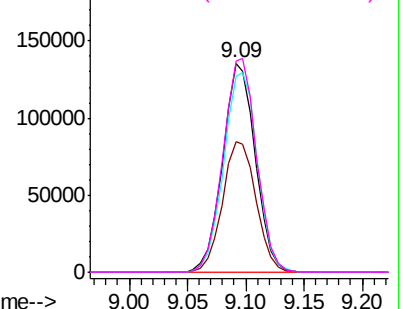


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.615 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

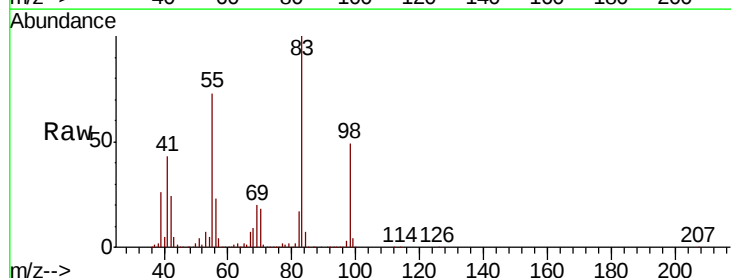
Tgt Ion: 83 Resp: 462523

Ion Ratio Lower Upper

83 100

55 71.3 60.9 91.3

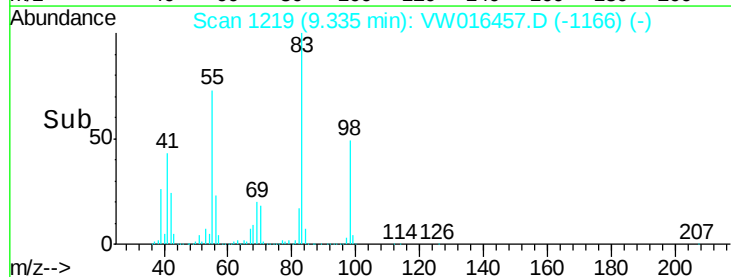
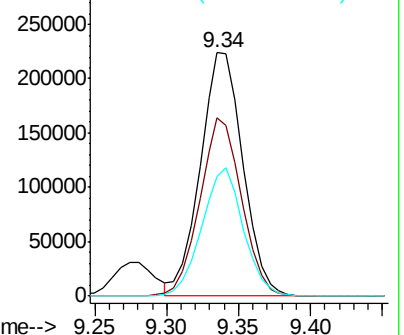
98 51.1 40.0 60.0

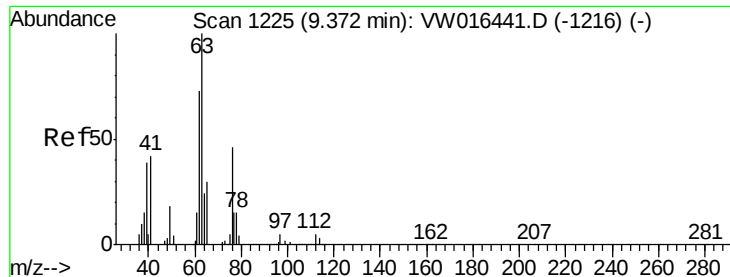


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

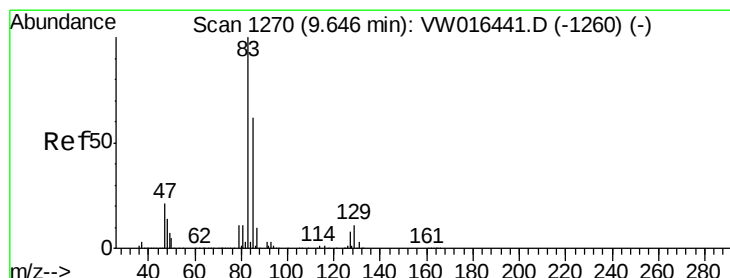
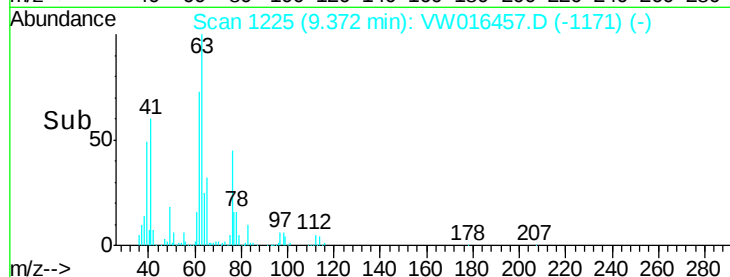
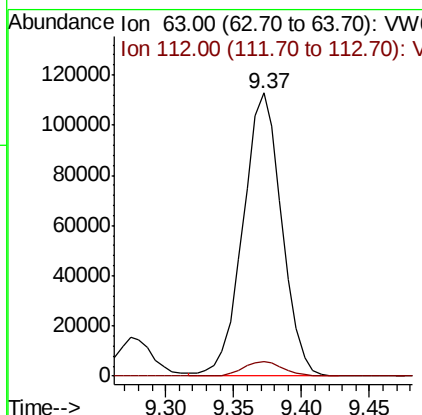
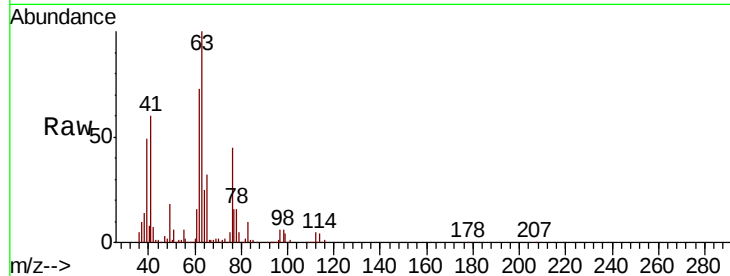




#40
 1,2-Dichloropropane
 Concen: 23.467 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

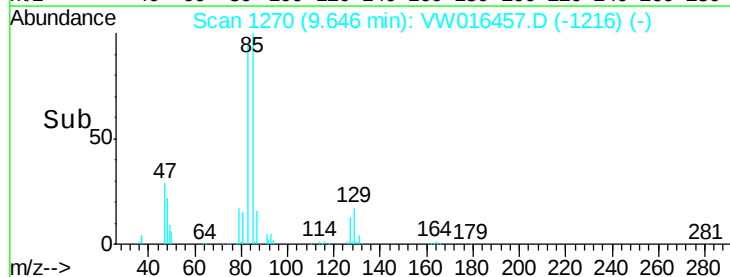
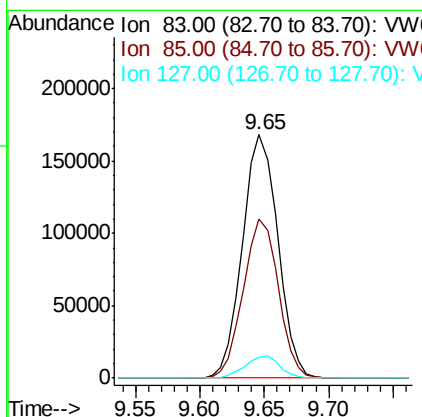
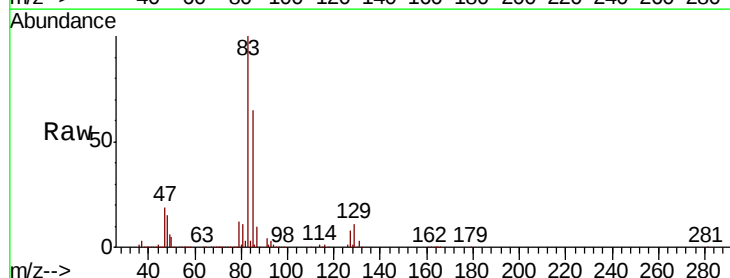
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

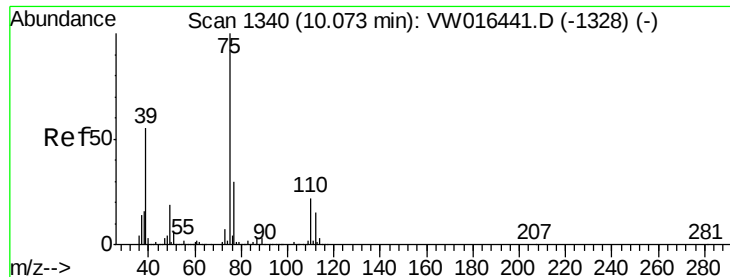
Tot Ion: 63 Resp: 224889
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.8



#41
 Bromodichloromethane
 Concen: 23.910 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Tgt Ion: 83 Resp: 320334
 Ion Ratio Lower Upper
 83 100
 85 65.4 43.5 80.7
 127 8.4 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 23.540 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

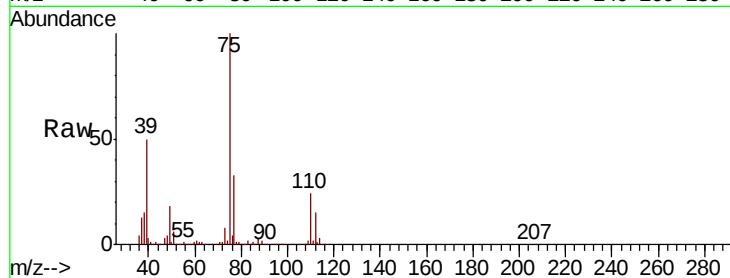
VSTD02509

Tot Ion: 75 Resp: 382812

Ion Ratio Lower Upper

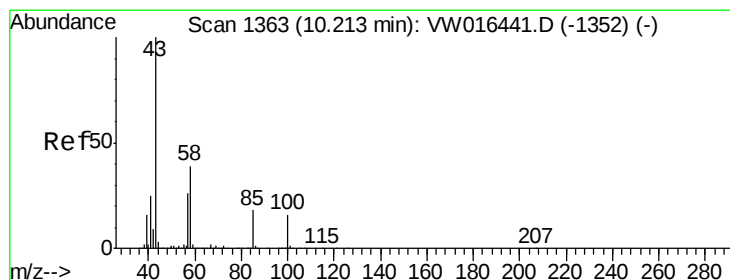
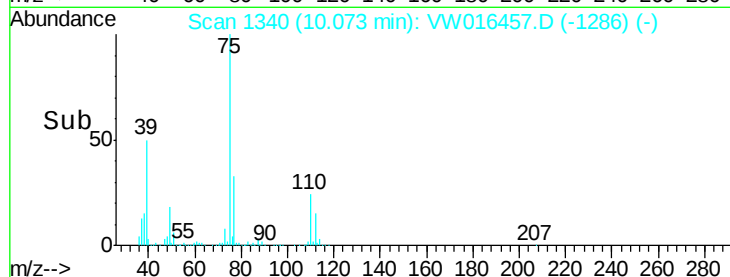
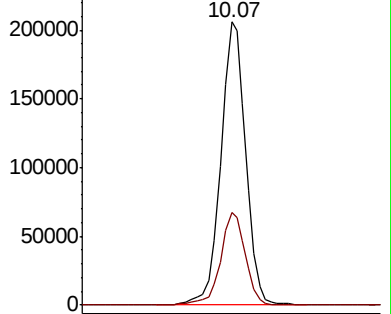
75 100

77 32.7 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 39.526 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

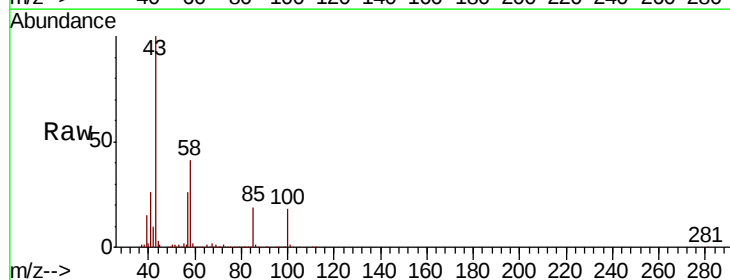
Tgt Ion: 43 Resp: 268217

Ion Ratio Lower Upper

43 100

58 40.1 30.6 45.8

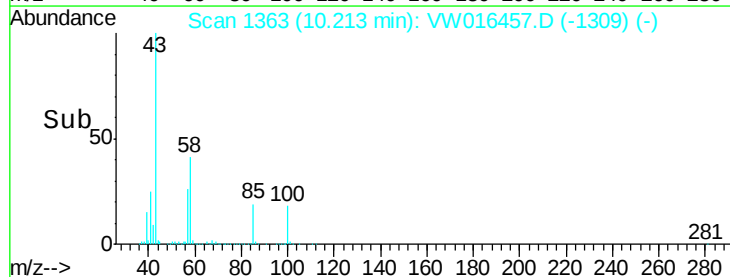
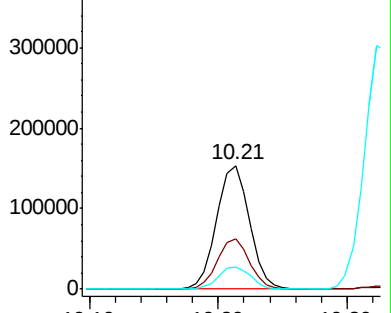
100 17.9 13.0 19.6

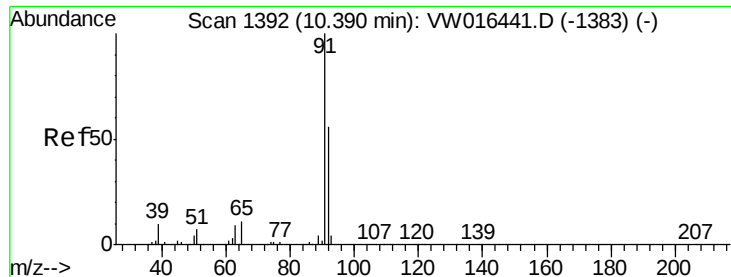


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 24.728 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

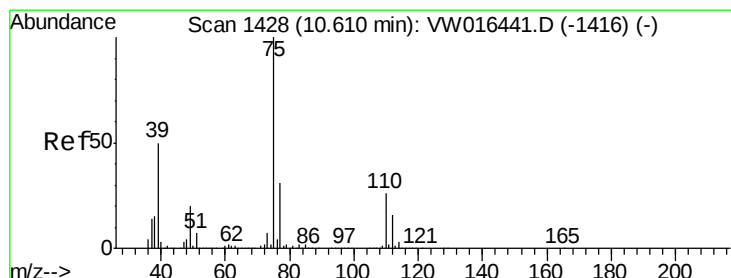
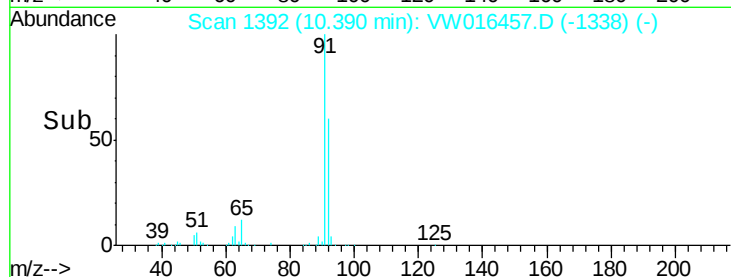
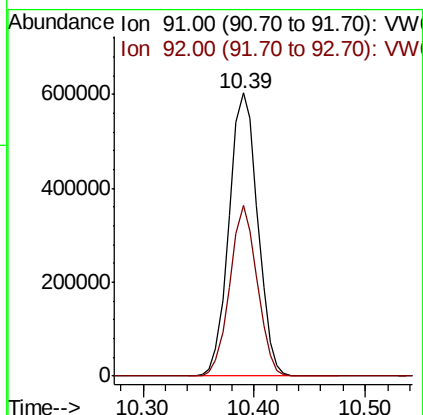
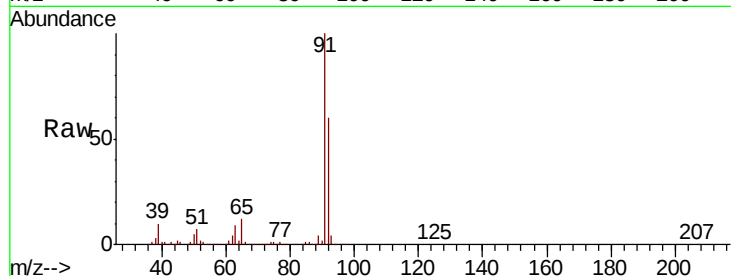
VSTD02509

Tot Ion: 91 Resp: 1072468

Ion Ratio Lower Upper

91 100

92 60.3 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 22.808 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016457.D

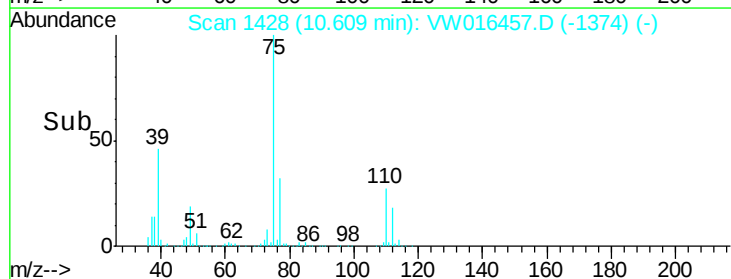
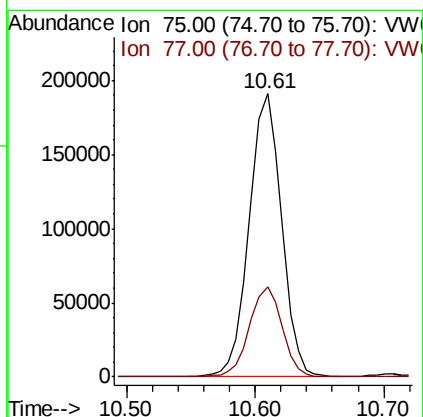
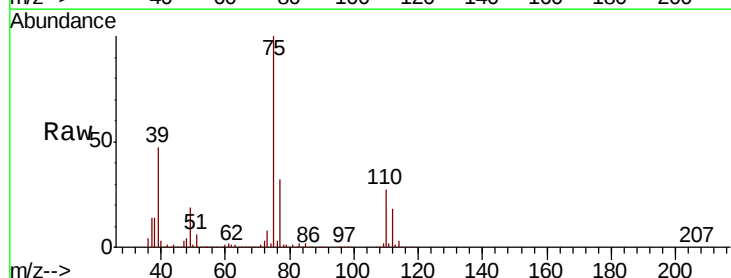
Acq: 04 Sep 2020 10:11

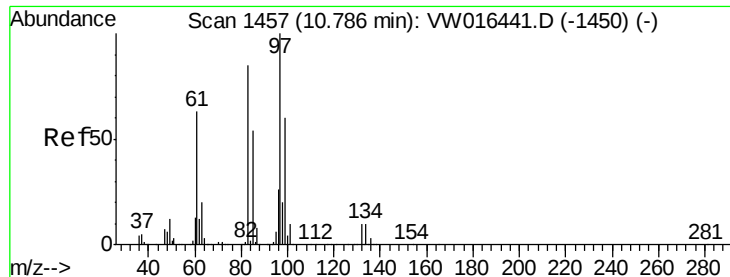
Tgt Ion: 75 Resp: 331537

Ion Ratio Lower Upper

75 100

77 32.0 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 22.753 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion: 97 Resp: 172812

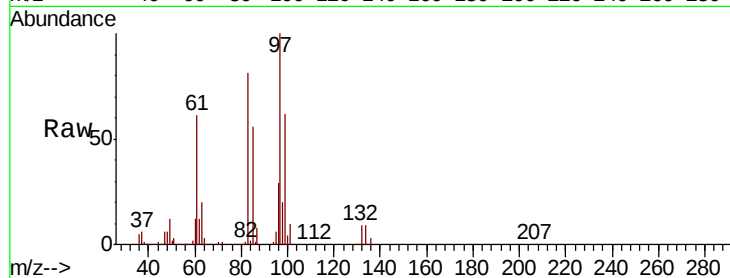
Ion Ratio Lower Upper

97 100

83 81.2 59.7 110.9

85 56.4 37.6 69.8

99 62.0 42.3 78.5

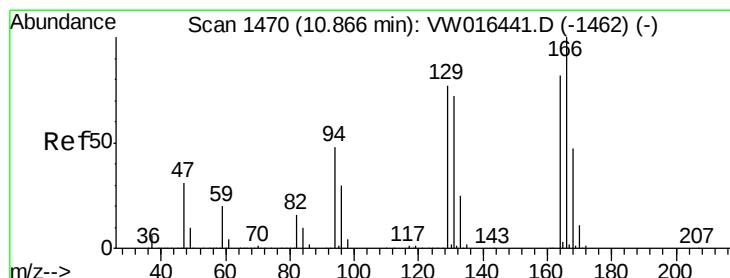
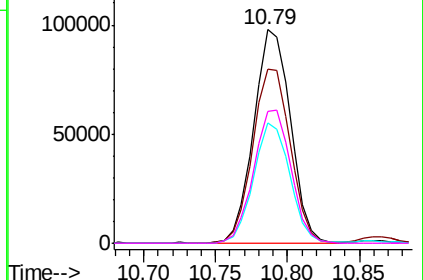
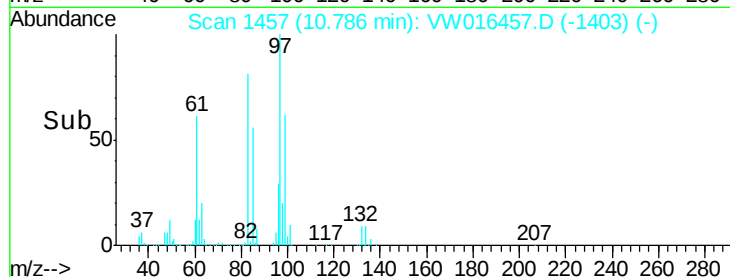


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.156 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Tgt Ion: 164 Resp: 225228

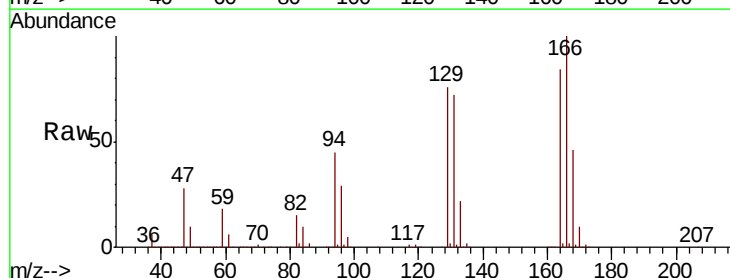
Ion Ratio Lower Upper

164 100

129 90.7 65.7 121.9

131 86.2 61.1 113.5

166 119.3 85.0 157.8

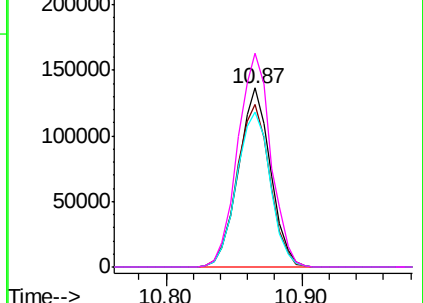
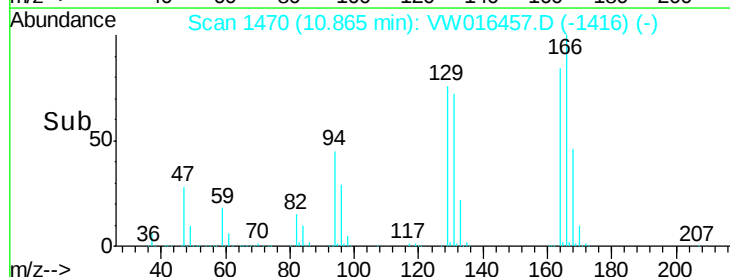


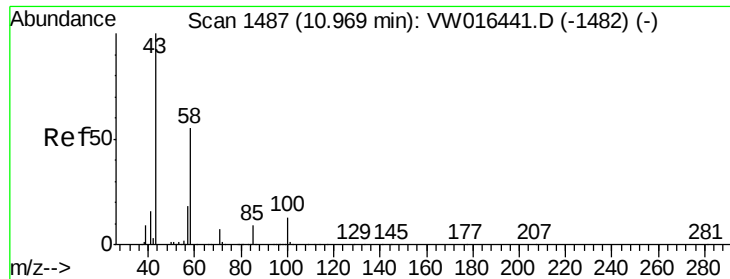
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 39.252 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion: 43 Resp: 185498

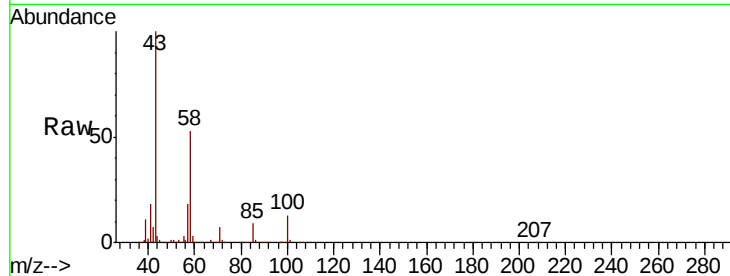
Ion Ratio Lower Upper

43 100

58 54.6 42.1 63.1

57 18.9 14.9 22.3

100 13.8 10.3 15.5

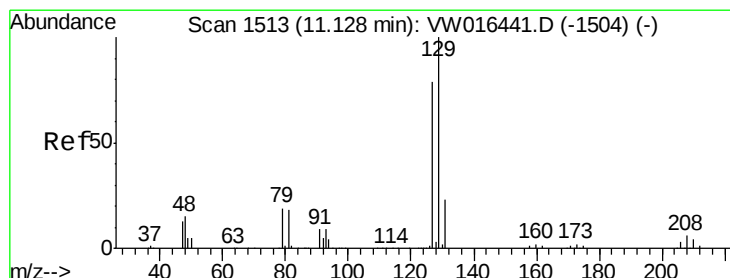
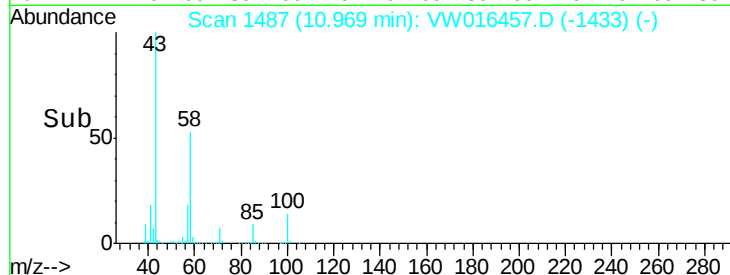
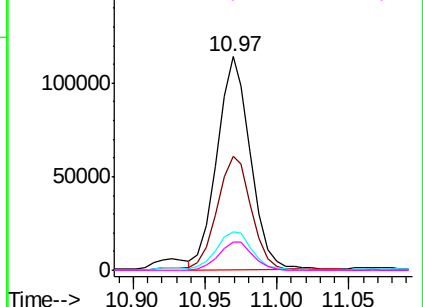


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#50

Dibromochloromethane

Concen: 24.024 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016457.D

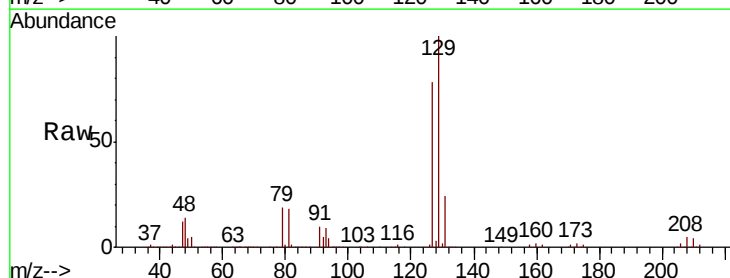
Acq: 04 Sep 2020 10:11

Tgt Ion: 129 Resp: 230724

Ion Ratio Lower Upper

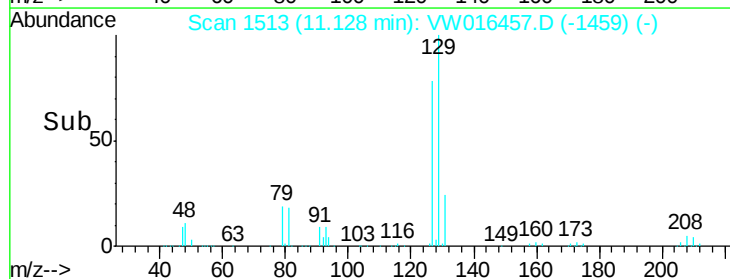
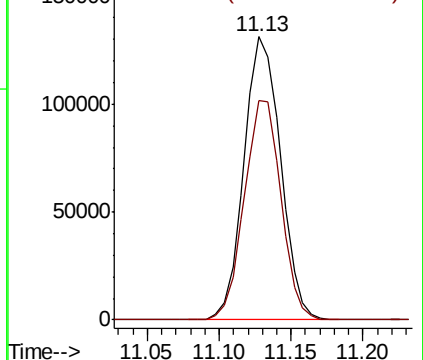
129 100

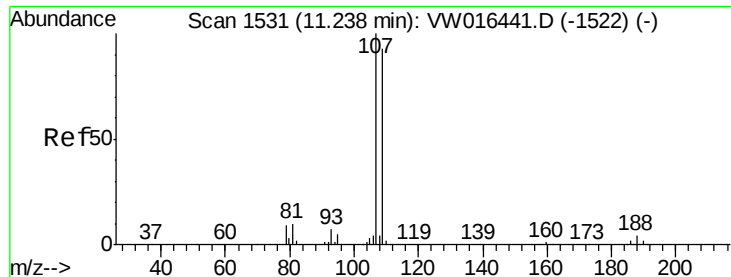
127 77.6 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 23.155 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

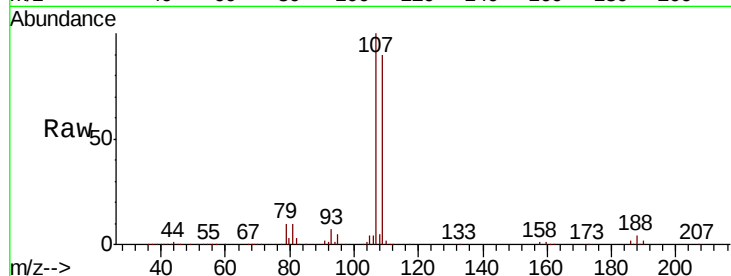
Tot Ion:107 Resp: 175739

Ion Ratio Lower Upper

107 100

109 90.5 64.8 120.4

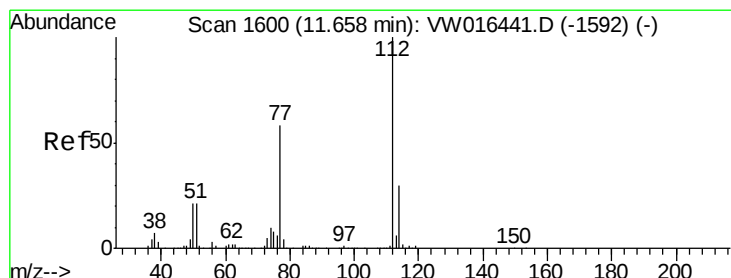
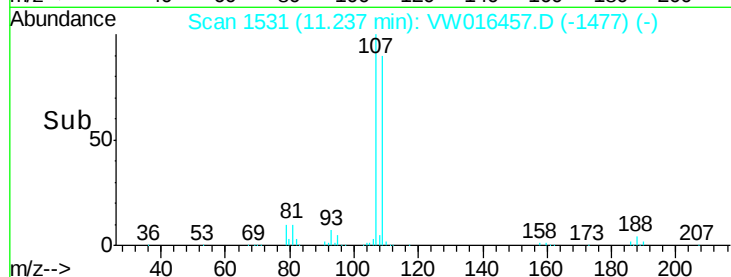
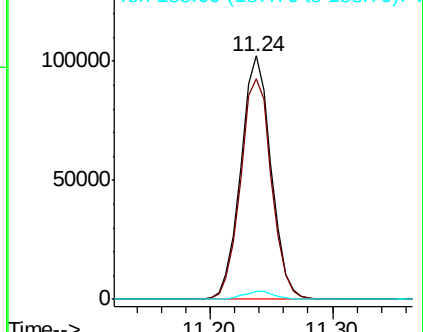
188 3.6 3.4 5.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.279 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

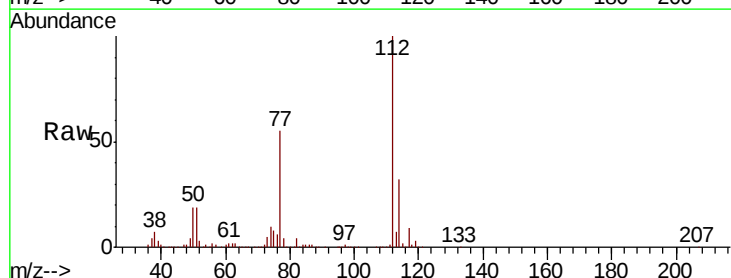
Tgt Ion:112 Resp: 695491

Ion Ratio Lower Upper

112 100

77 54.9 46.2 69.2

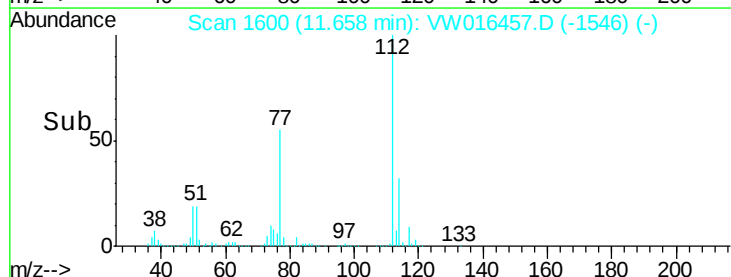
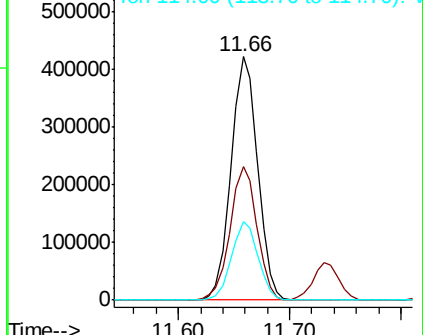
114 32.0 21.1 39.3

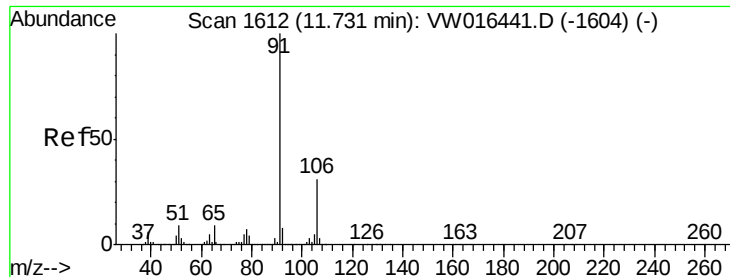


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV

Ion 114.00 (113.70 to 114.70): V

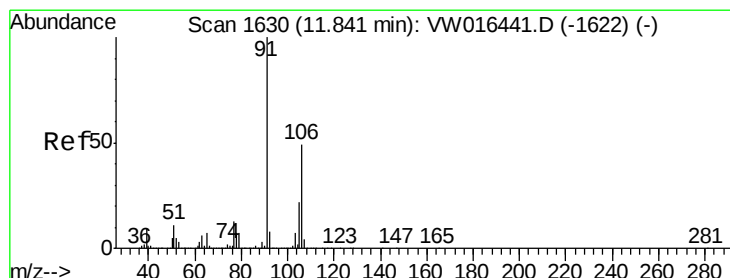
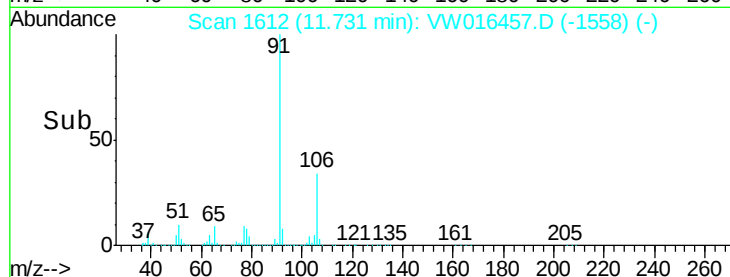
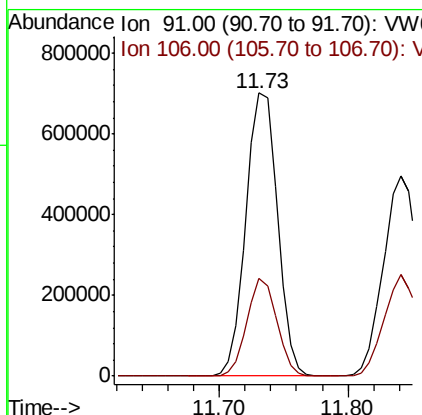
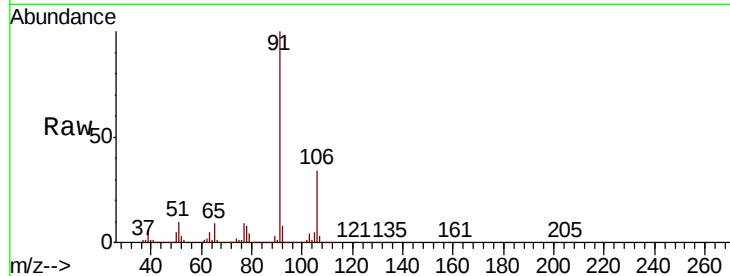




#53
Ethylbenzene
Concen: 24.343 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

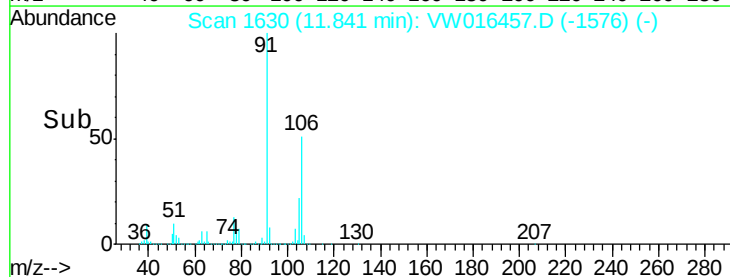
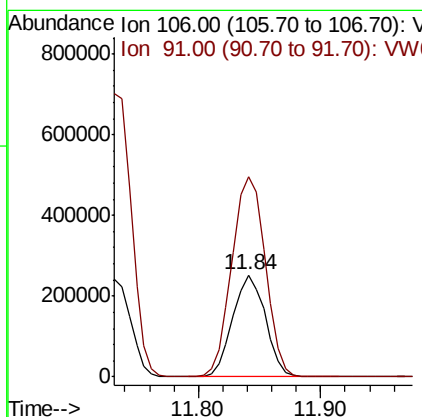
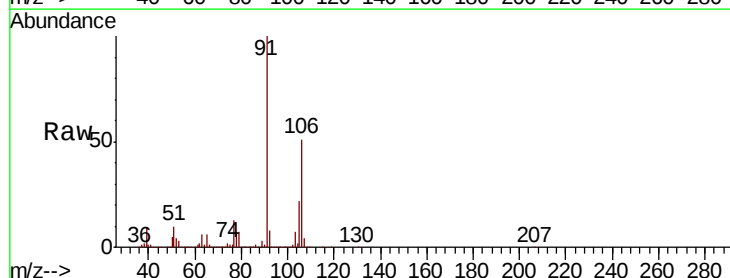
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

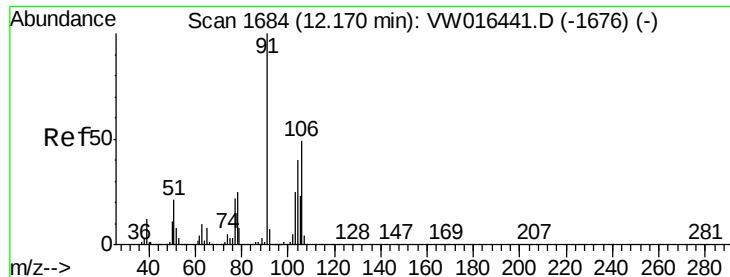
Tot Ion: 91 Resp: 1189208
Ion Ratio Lower Upper
91 100
106 34.5 21.6 40.2



#54
m,p-Xylene
Concen: 25.082 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016457.D
Acq: 04 Sep 2020 10:11

Tgt Ion: 106 Resp: 468302
Ion Ratio Lower Upper
106 100
91 196.3 142.3 264.3





#55

o-xylene

Concen: 25.069 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampled :

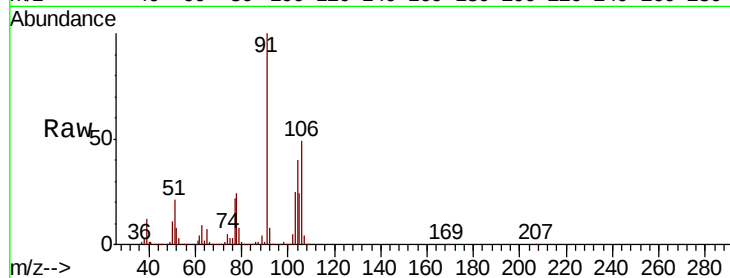
VSTD02509

Tot Ion:106 Resp: 445855

Ion Ratio Lower Upper

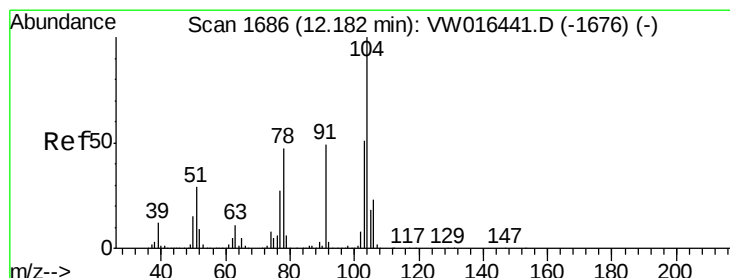
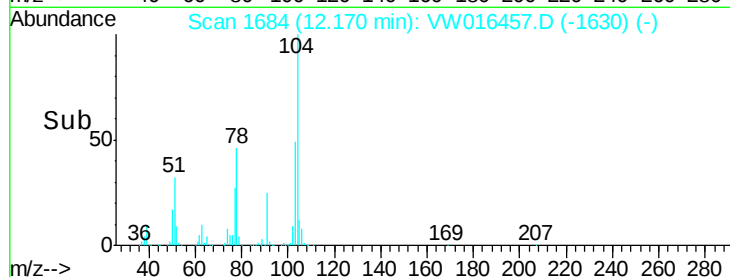
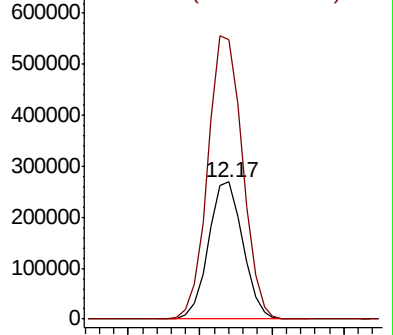
106 100

91 204.2 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.488 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016457.D

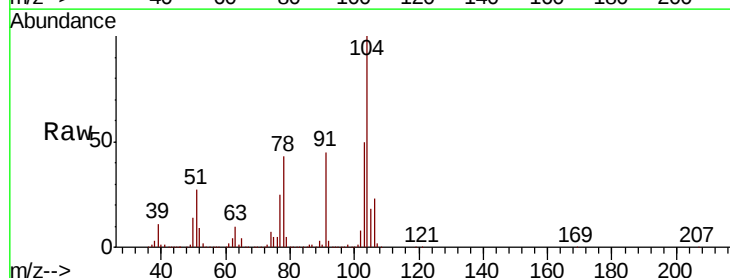
Acq: 04 Sep 2020 10:11

Tgt Ion:104 Resp: 748294

Ion Ratio Lower Upper

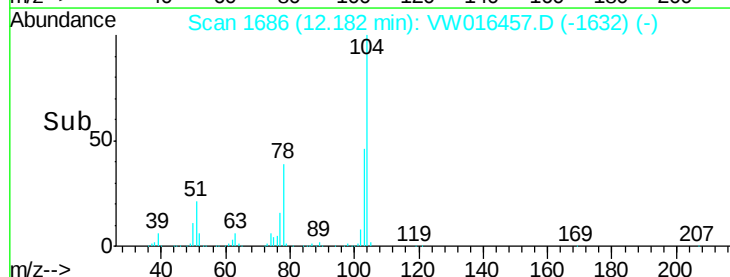
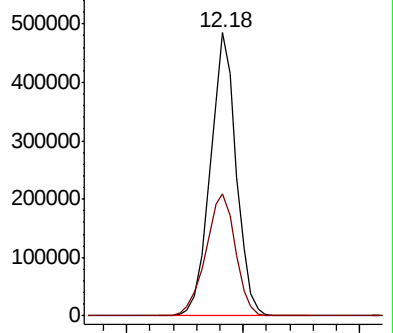
104 100

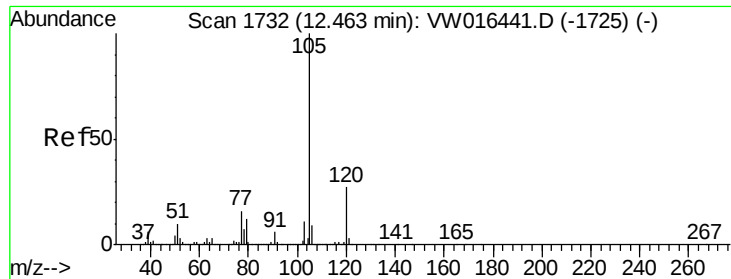
78 43.0 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.908 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

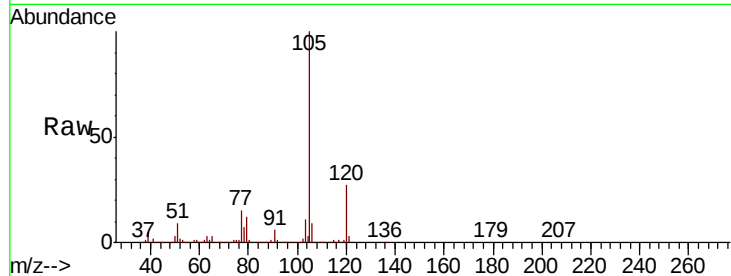
Tot Ion:105 Resp: 1213515

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

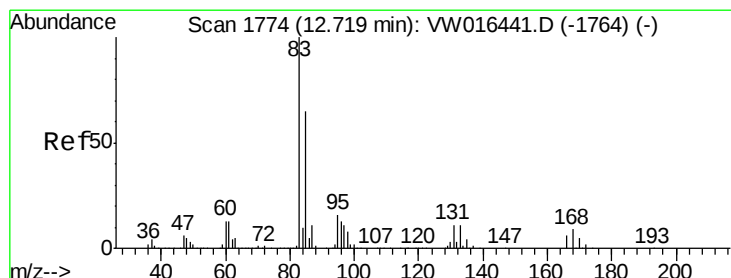
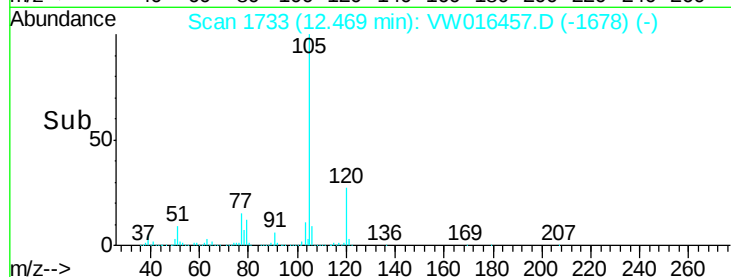
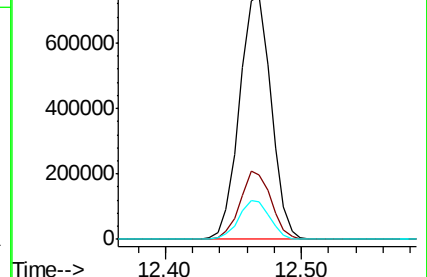
77 15.6 13.0 19.6



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: 21.815 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

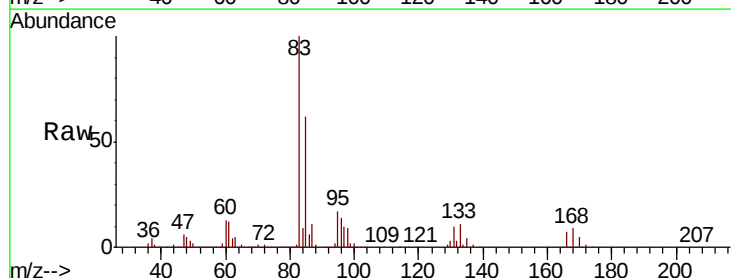
Tgt Ion: 83 Resp: 197513

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

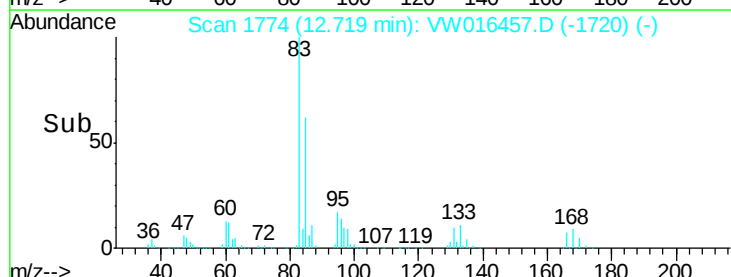
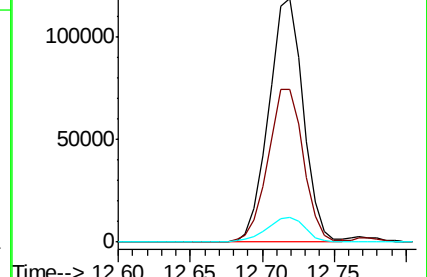
131 10.4 8.7 13.1

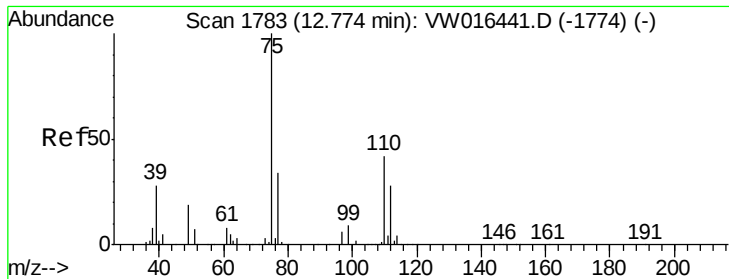


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 20.672 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

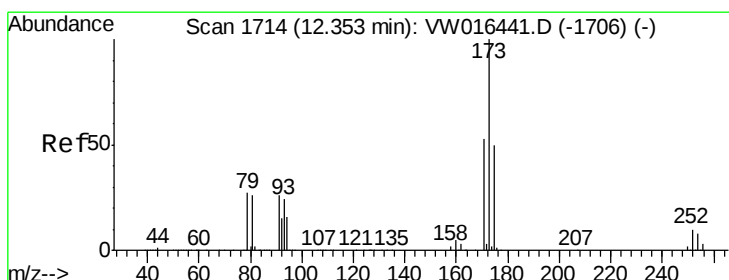
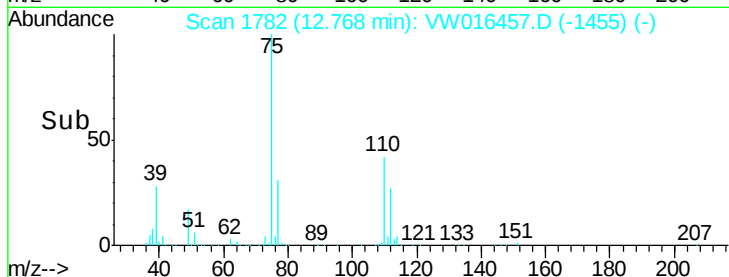
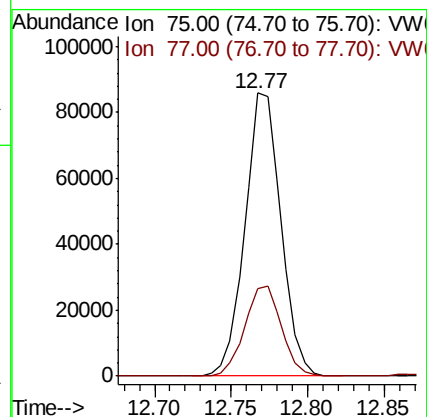
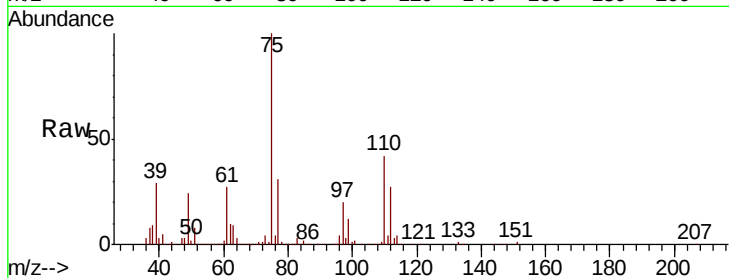
VSTD02509

Tot Ion: 75 Resp: 139887

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#62

Bromoform

Concen: 23.159 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

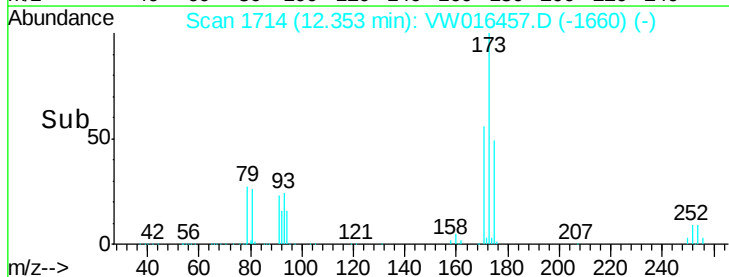
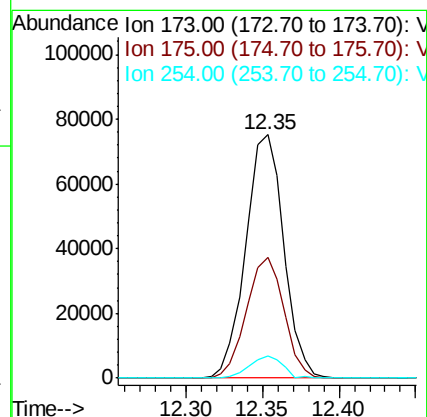
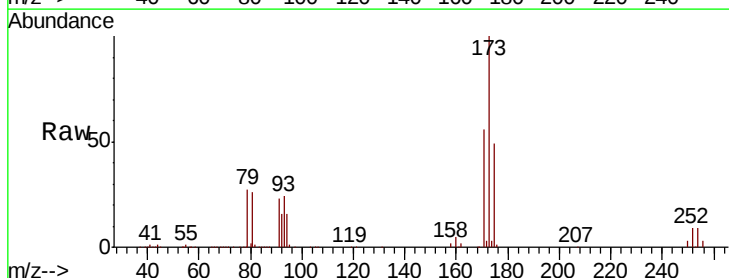
Tgt Ion: 173 Resp: 130058

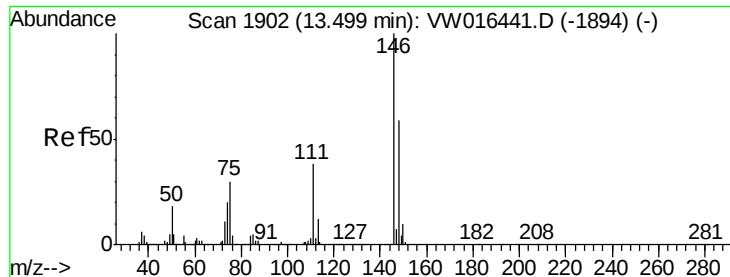
Ion Ratio Lower Upper

173 100

175 49.2 39.2 58.8

254 7.7 5.8 8.6

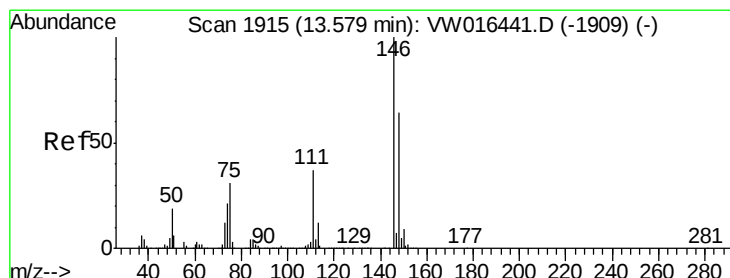
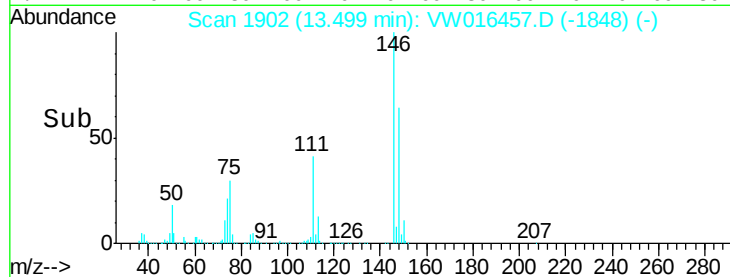
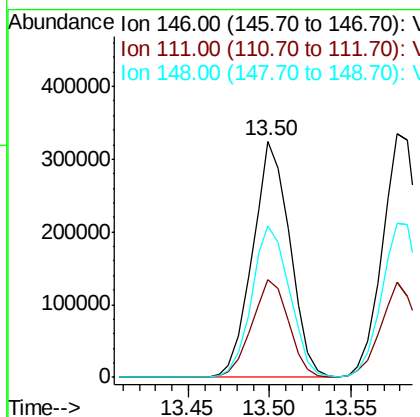
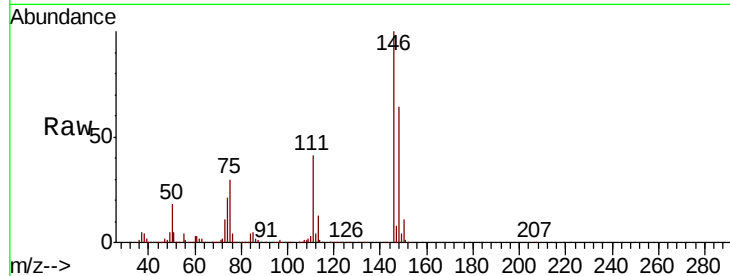




#63
 1,3-Dichlorobenzene
 Concen: 24.464 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

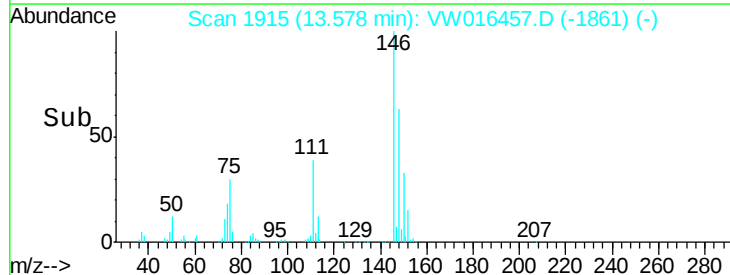
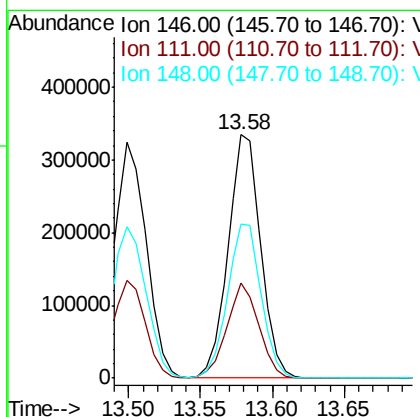
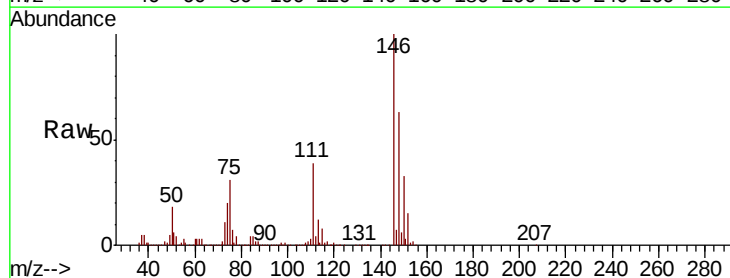
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

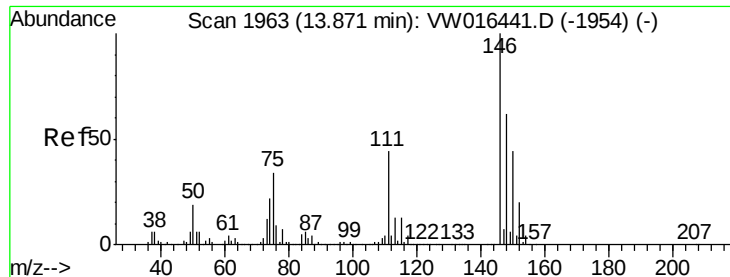
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	26.5	49.3
148	63.9	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 25.389 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	26.4	49.0
148	63.4	45.1	83.9

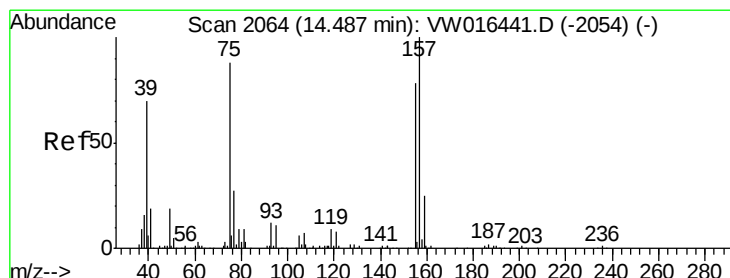
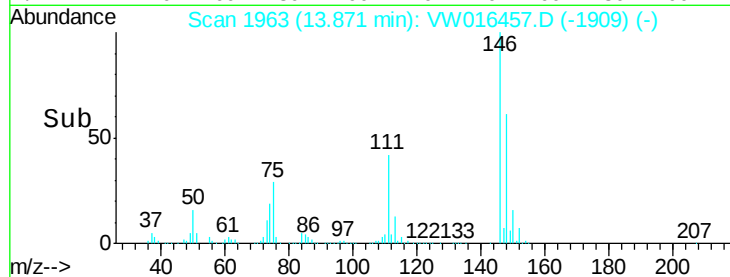
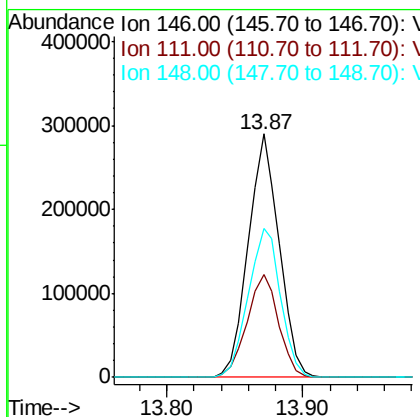
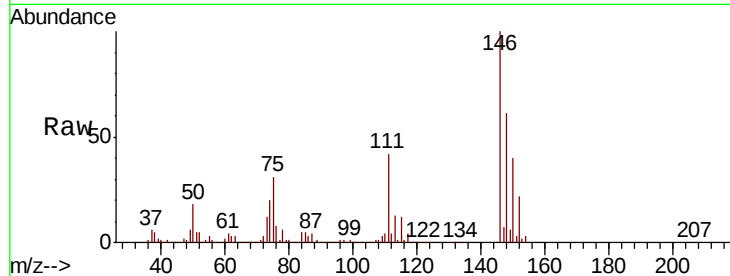




#65
 1,2-Dichlorobenzene
 Concen: 24.611 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

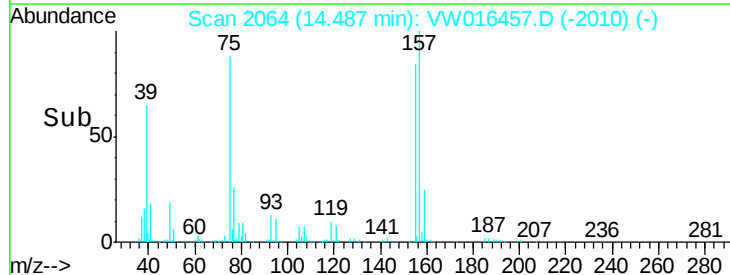
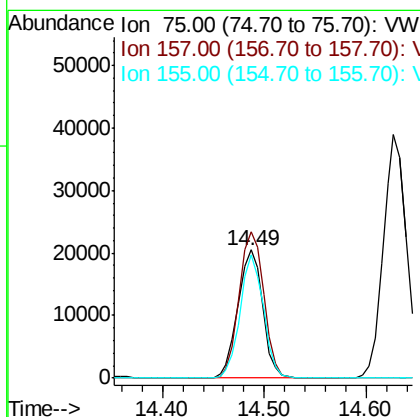
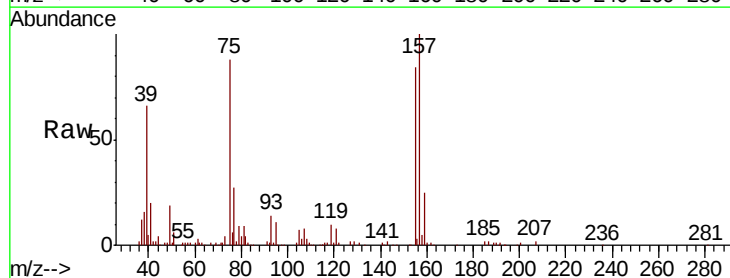
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

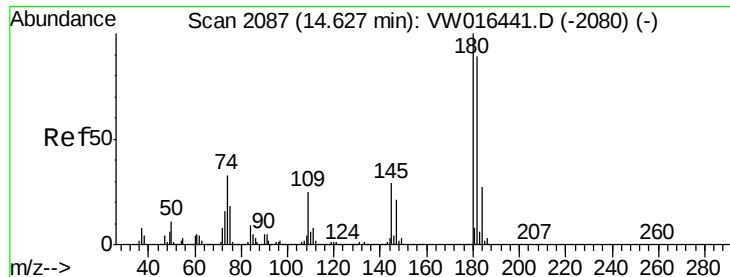
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	35.3	52.9
148	61.3	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.662 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.0	91.4	137.0
155	95.9	71.3	106.9

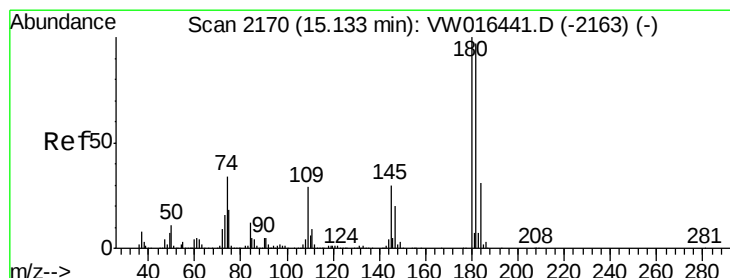
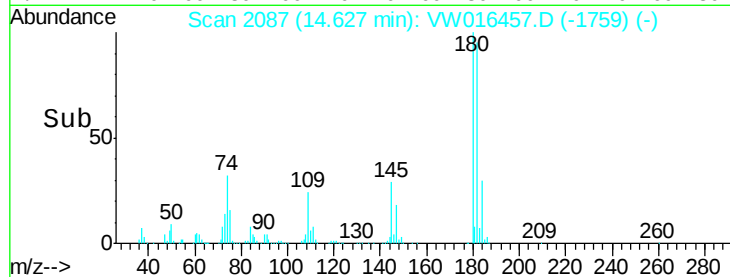
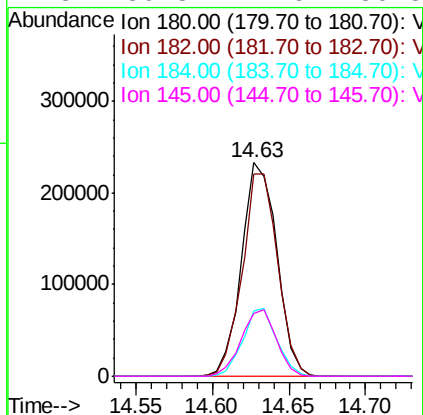
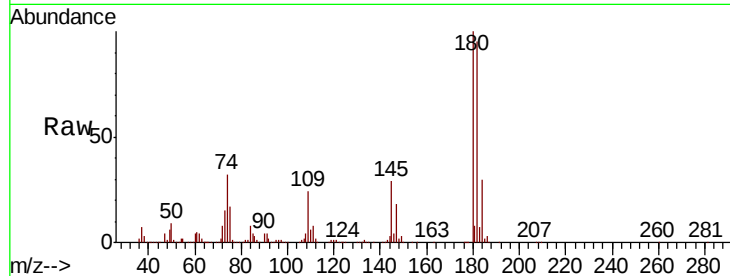




#67
 1,3,5-Trichlorobenzene
 Concen: 25.800 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

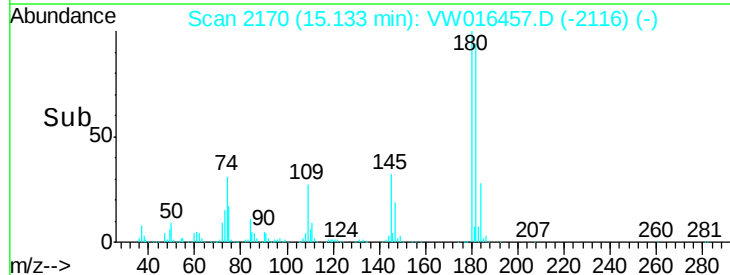
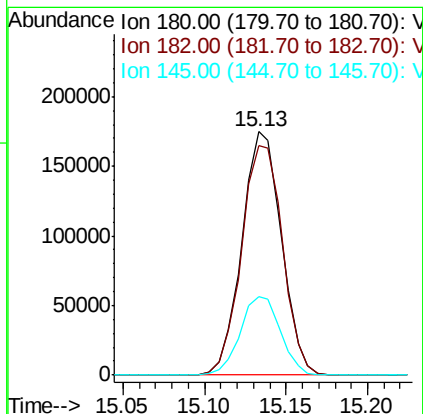
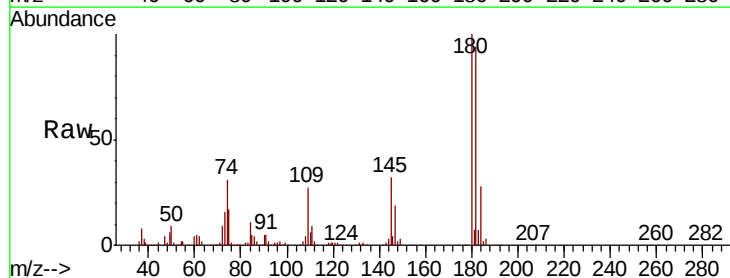
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

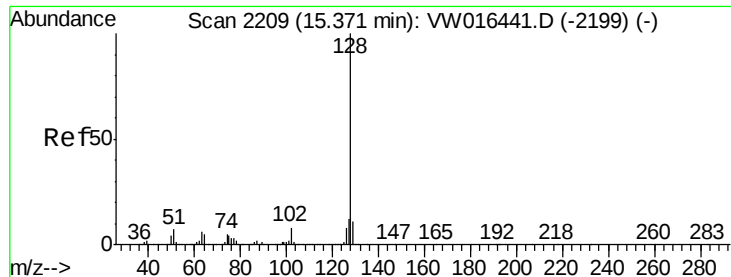
Tot Ion:180	Resp:	374692
Ion	Ratio	Lower Upper
180	100	
182	94.8	75.8 113.8
184	30.2	24.2 36.2
145	30.8	24.6 36.8



#68
 1,2,4-trichlorobenzene
 Concen: 23.613 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016457.D
 Acq: 04 Sep 2020 10:11

Tgt Ion:180	Resp:	296615
Ion	Ratio	Lower Upper
180	100	
182	97.4	78.5 117.7
145	32.7	25.6 38.4





#69

Naphthalene

Concen: 21.955 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

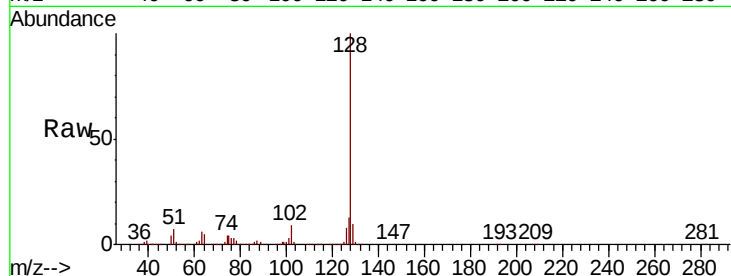
Tot Ion:128 Resp: 582048

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

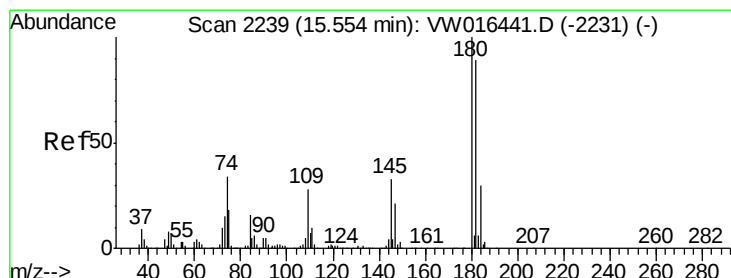
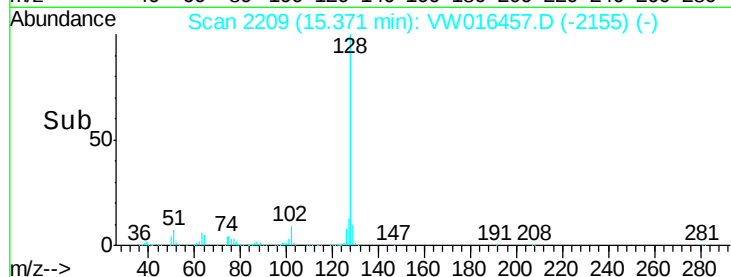
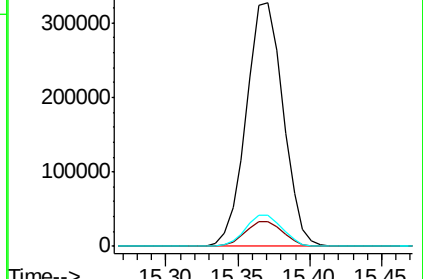
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.243 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016457.D

Acq: 04 Sep 2020 10:11

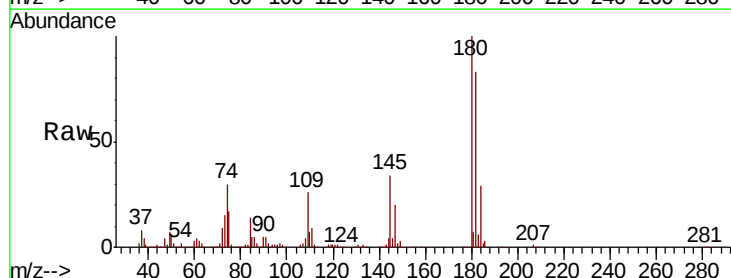
Tgt Ion:180 Resp: 261464

Ion Ratio Lower Upper

180 100

182 91.8 76.1 114.1

145 33.3 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

