

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070620\
 Data File : VW015785.D
 Acq On : 06 Jul 2020 14:40
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Jul 07 00:30:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 07 00:28:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	314994	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290207	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	147360	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	101859	19.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.64%
7) Chloroethane-d5	2.90	69	87647	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.96%
10) 1,1-Dichloroethene-d2	4.02	63	203927	22.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.80%
20) 2-Butanone-d5	7.09	46	58270	54.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.00%
24) Chloroform-d	7.65	84	204547	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	8.30	65	117751	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.32%
29) Benzene-d6	8.28	84	382489	22.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.44%
33) 1,2-Dichloropropane-d6	9.27	67	113557	22.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.68%
37) Toluene-d8	10.32	98	355480	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.32%
38) trans-1,3-Dichloropropene-	10.58	79	52621	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.76%
39) 2-Hexanone-d5	10.93	63	44031	52.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102139	26.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	126567	22.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	78537	26.443	ug/L	99
3) Chloromethane	2.21	50	75626	23.662	ug/L	97
5) Vinyl chloride	2.37	62	130461	27.253	ug/L	99
6) Bromomethane	2.79	94	81120	25.576	ug/L	100
8) Chloroethane	2.93	64	79945	26.767	ug/L	98
9) Trichlorofluoromethane	3.26	101	96009	27.427	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	103329	27.226	ug/L	98
12) 1,1-Dichloroethene	4.04	96	96454	26.328	ug/L	89
13) Acetone	4.13	43	67256	74.372	ug/L	96
14) Carbon disulfide	4.38	76	302065	26.551	ug/L	99
15) Methyl Acetate	4.68	43	48178	29.738	ug/L	99
16) Methylene chloride	4.92	84	107115	23.176	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	153665	27.374	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	105648	26.863	ug/L	100
19) 1,1-Dichloroethane	6.22	63	193123	27.235	ug/L	99
21) 2-Butanone	7.18	43	71841	64.262	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	109651	26.971	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070620\
 Data File : VW015785.D
 Acq On : 06 Jul 2020 14:40
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Jul 07 00:30:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 07 00:28:21 2020
 Response via : Initial Calibration

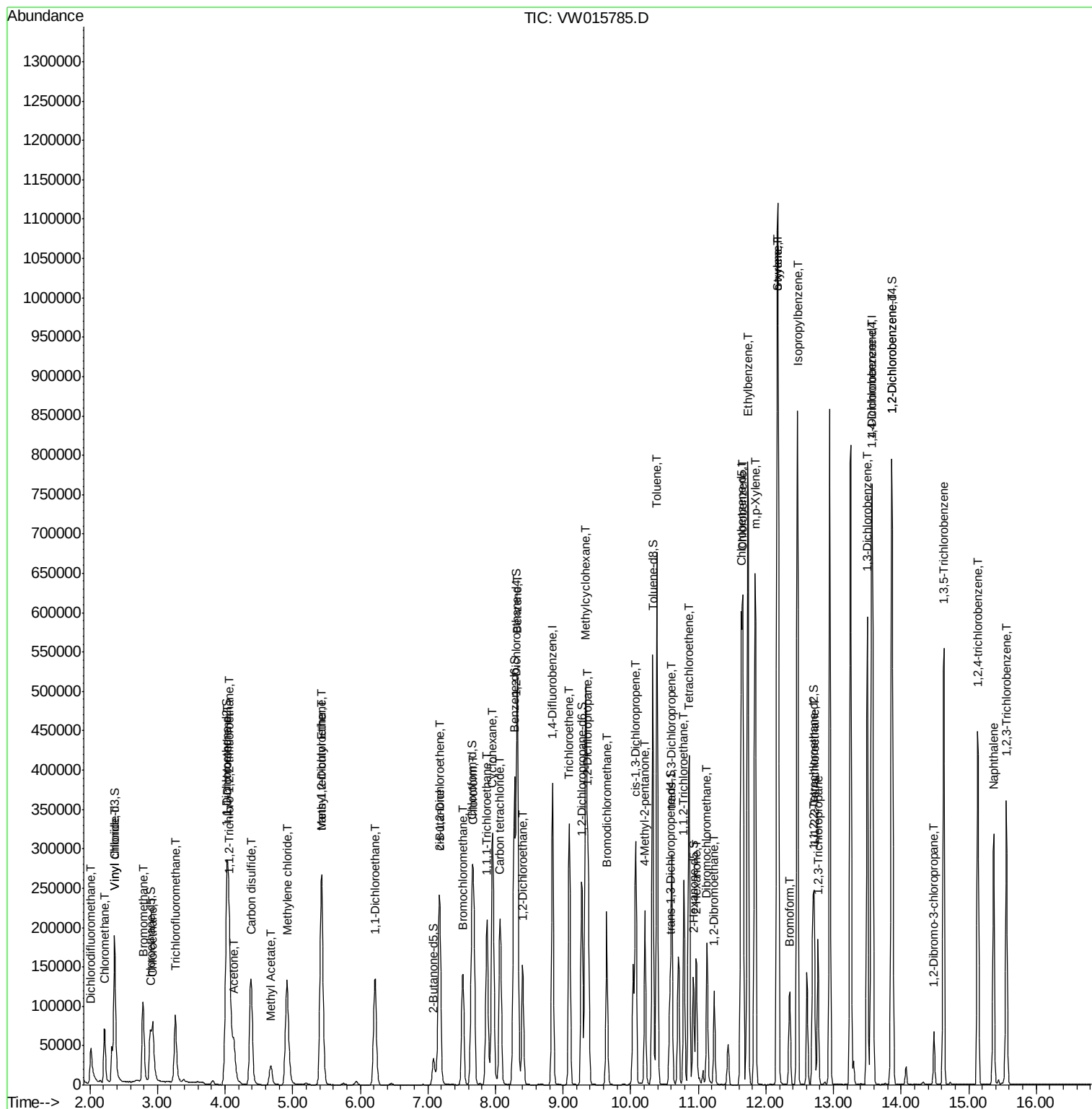
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	48753	27.225	ug/L	95
25) Chloroform	7.68	83	199824	27.899	ug/L	100
27) 1,2-Dichloroethane	8.40	62	139819	28.232	ug/L	100
30) Cyclohexane	7.96	56	177457	27.113	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	172195	27.414	ug/L	100
32) Carbon tetrachloride	8.07	117	157562	27.755	ug/L	98
34) Benzene	8.32	78	431525	27.075	ug/L	100
35) Trichloroethene	9.09	95	114443	26.927	ug/L	98
36) Methylcyclohexane	9.34	83	201031	27.424	ug/L	100
40) 1,2-Dichloropropane	9.37	63	106783	27.528	ug/L	99
41) Bromodichloromethane	9.65	83	142150	28.204	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	166353	27.472	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	138181	61.055	ug/L	100
44) Toluene	10.39	91	470866	27.194	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	150527	28.560	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	79889	28.528	ug/L	99
47) Tetrachloroethene	10.87	164	91072	26.667	ug/L	95
49) 2-Hexanone	10.97	43	96763	60.694	ug/L	99
50) Dibromochloromethane	11.13	129	92723	28.286	ug/L	96
51) 1,2-Dibromoethane	11.24	107	76664	28.242	ug/L	94
52) Chlorobenzene	11.66	112	295218	27.125	ug/L	100
53) Ethylbenzene	11.73	91	546514	27.915	ug/L	99
54) m,p-Xylene	11.84	106	202360	27.654	ug/L	95
55) o-xylene	12.17	106	193766	27.706	ug/L	96
56) Styrene	12.18	104	336555	28.350	ug/L	97
57) Isopropylbenzene	12.47	105	549710	28.457	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	99289	29.796	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	74684	29.675	ug/L	100
62) Bromoform	12.35	173	52422	27.731	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	235390	26.929	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	236768	27.190	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	212830	27.537	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16762	30.280	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	168588	28.123	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	139064	28.750	ug/L	100
69) Naphthalene	15.37	128	261759	29.578	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	121789	29.123	ug/L	98

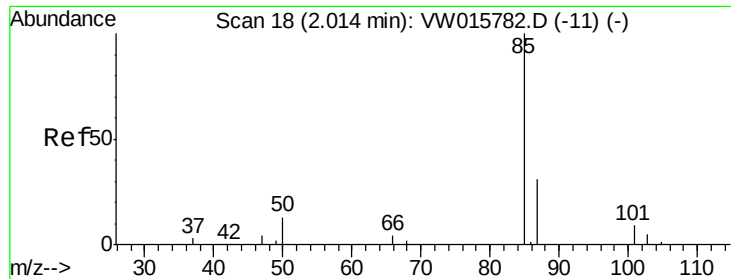
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070620\
Data File : VW015785.D
Acq On : 06 Jul 2020 14:40
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.02G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Jul 07 00:30:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 07 00:28:21 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.443 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

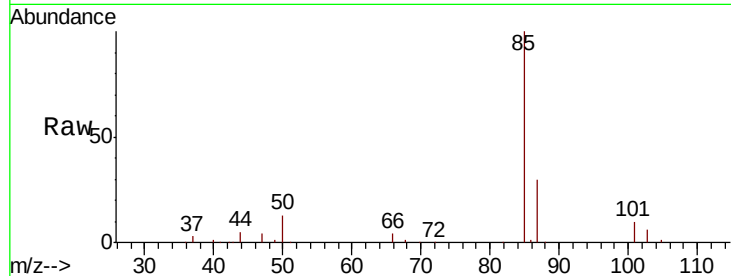
VSTD02523

Tot Ion: 85 Resp: 78537

Ion Ratio Lower Upper

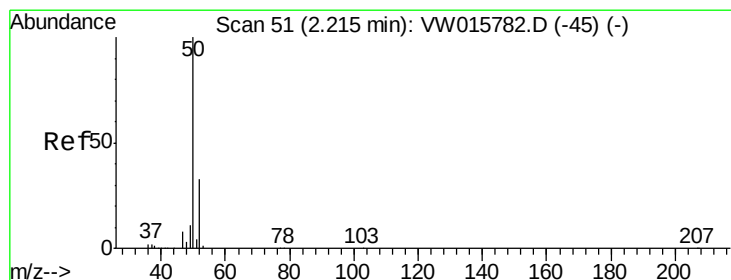
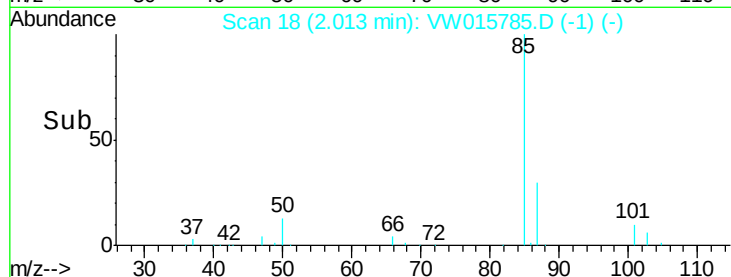
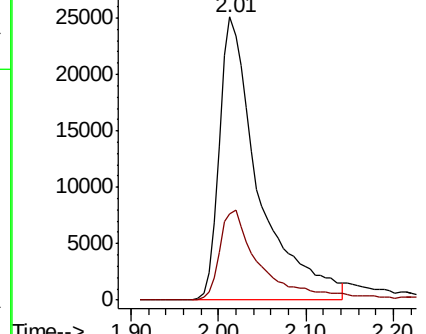
85 100

87 30.6 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.662 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015785.D

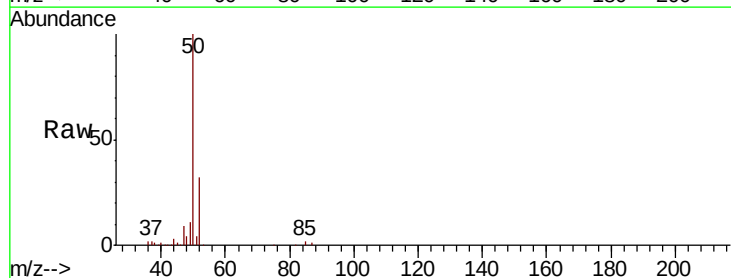
Acq: 06 Jul 2020 14:40

Tgt Ion: 50 Resp: 75626

Ion Ratio Lower Upper

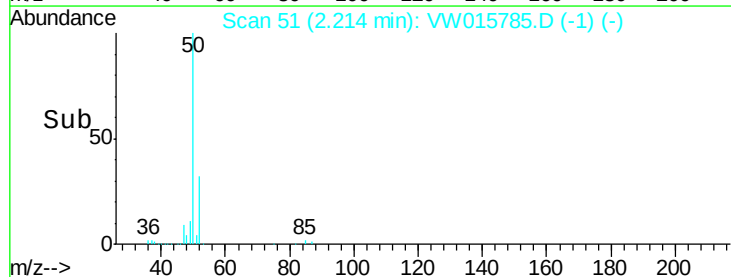
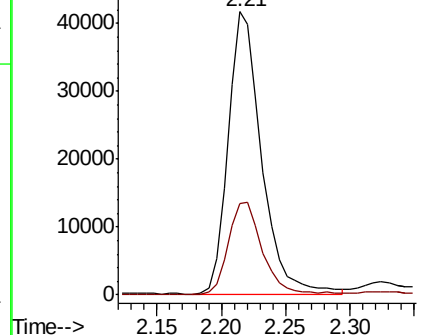
50 100

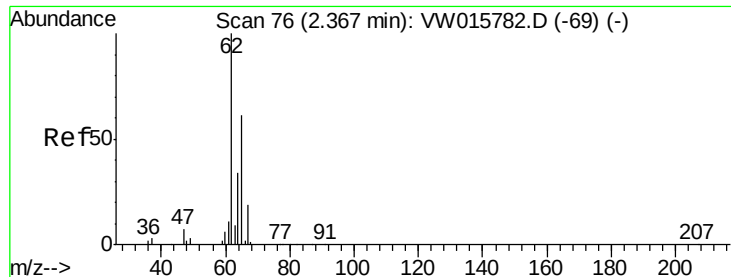
52 32.2 23.7 44.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.253 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

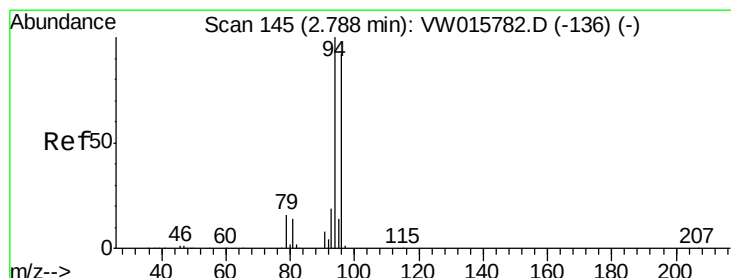
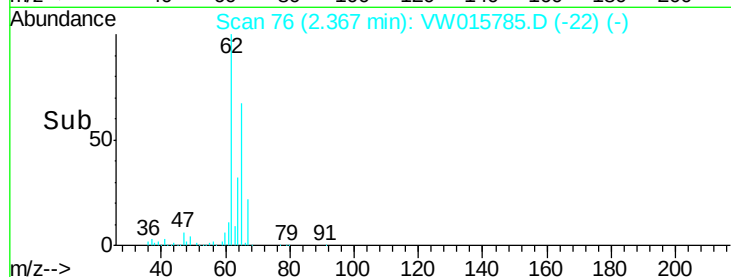
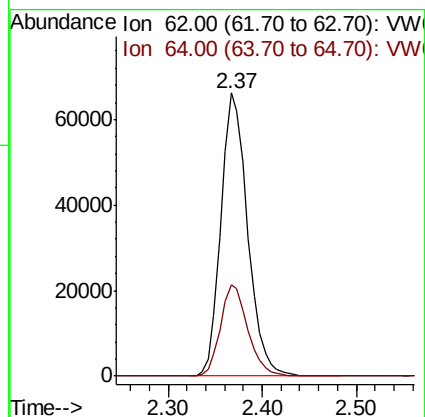
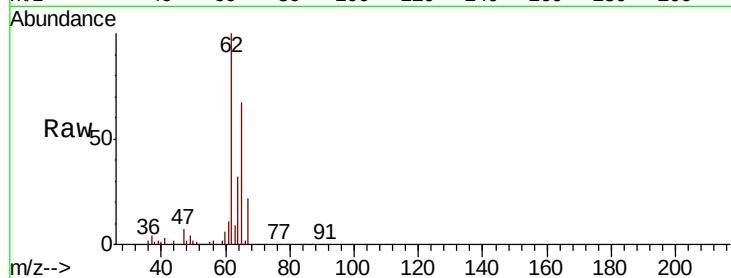
VSTD02523

Tot Ion: 62 Resp: 130461

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.0



#6

Bromomethane

Concen: 25.576 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015785.D

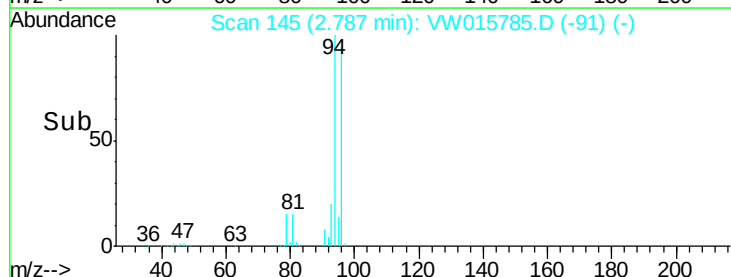
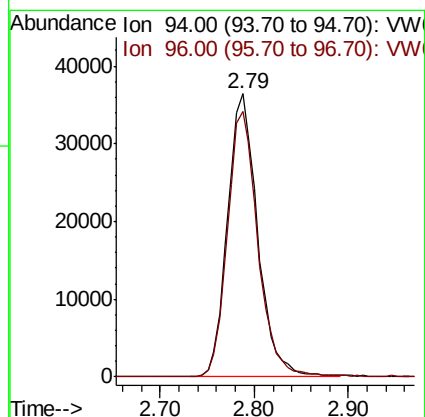
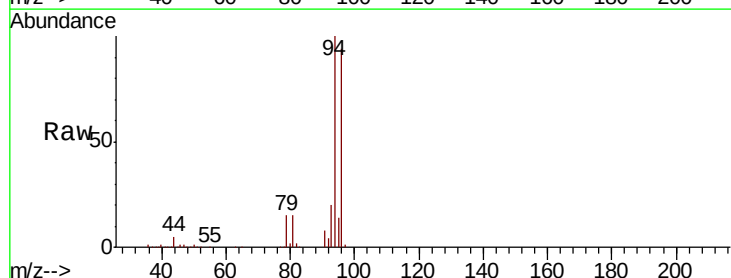
Acq: 06 Jul 2020 14:40

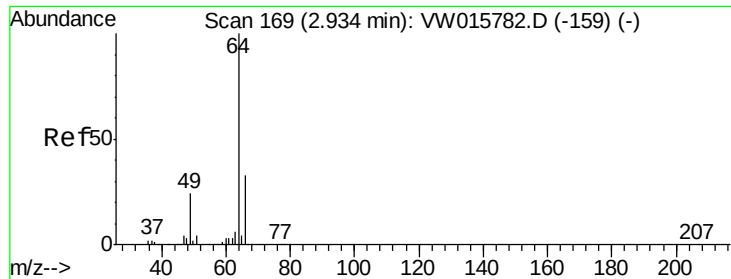
Tgt Ion: 94 Resp: 81120

Ion Ratio Lower Upper

94 100

96 94.4 9.4 179.2





#8

Chloroethane

Concen: 26.767 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

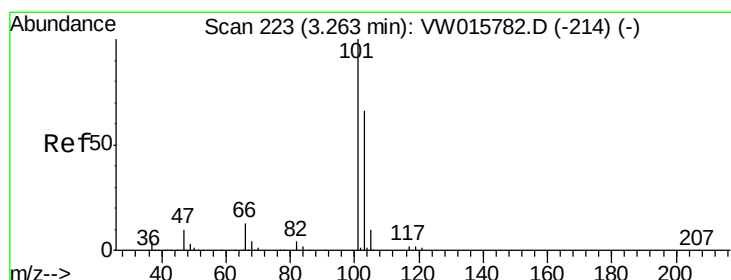
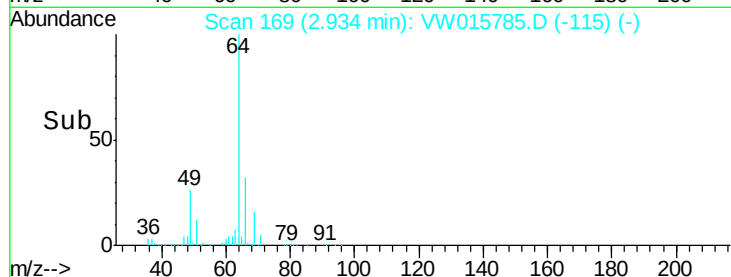
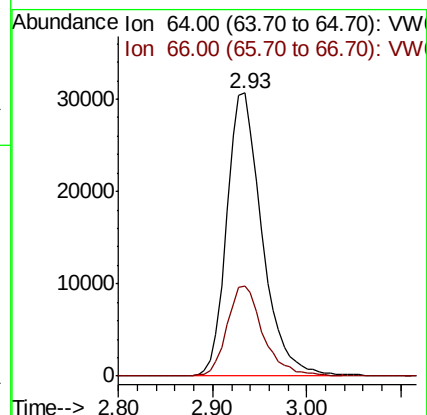
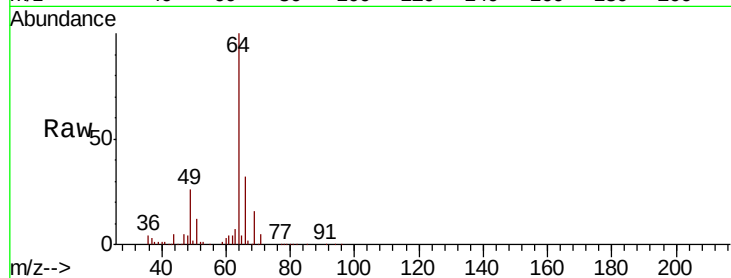
VSTD02523

Tot Ion: 64 Resp: 79945

Ion Ratio Lower Upper

64 100

66 31.8 21.6 40.2



#9

Trichlorofluoromethane

Concen: 27.427 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015785.D

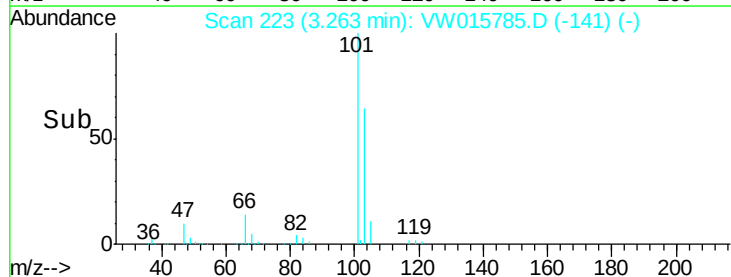
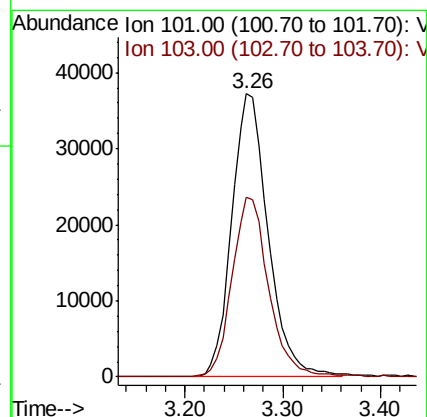
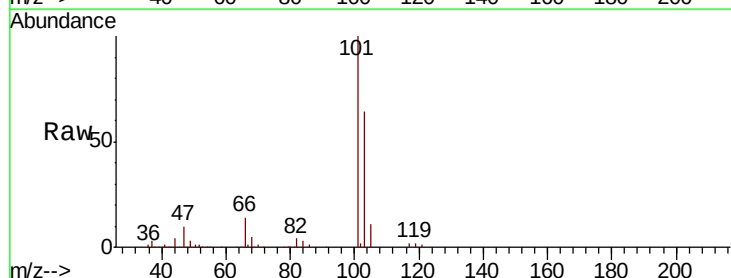
Acq: 06 Jul 2020 14:40

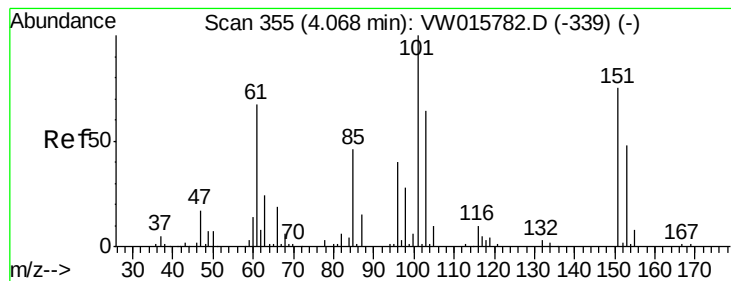
Tgt Ion: 101 Resp: 96009

Ion Ratio Lower Upper

101 100

103 63.8 44.4 82.4





#11

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

Concen: 27.226 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

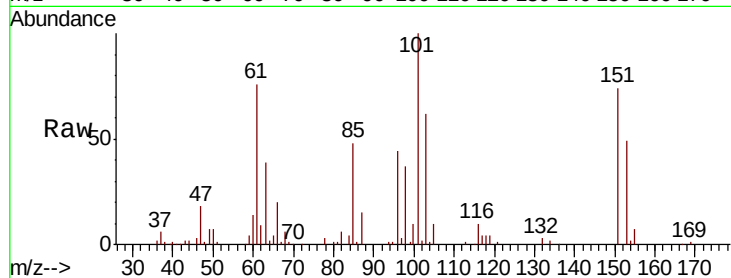
Tot Ion:101 Resp: 103329

Ion Ratio Lower Upper

101 100

85 45.4 34.4 51.6

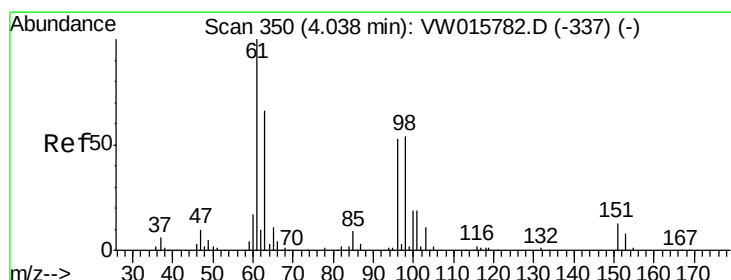
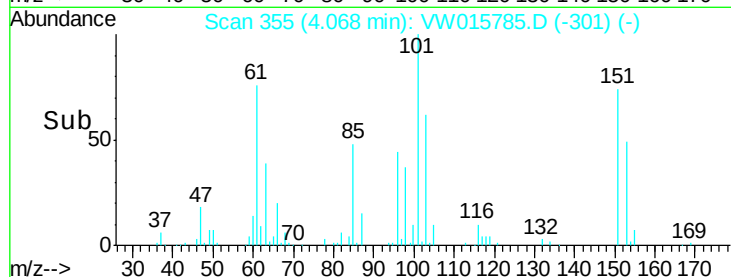
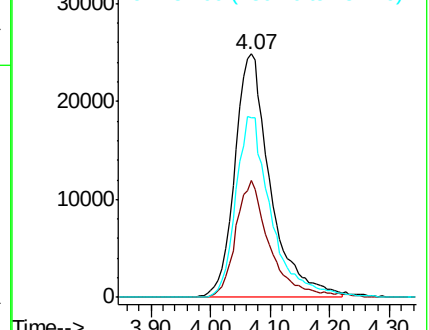
151 73.8 58.6 88.0



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: 26.328 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

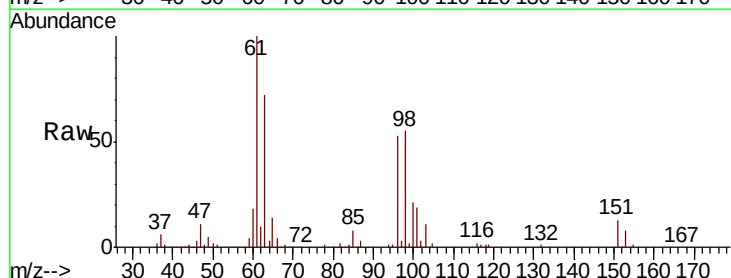
Tgt Ion: 96 Resp: 96454

Ion Ratio Lower Upper

96 100

61 187.8 128.0 237.6

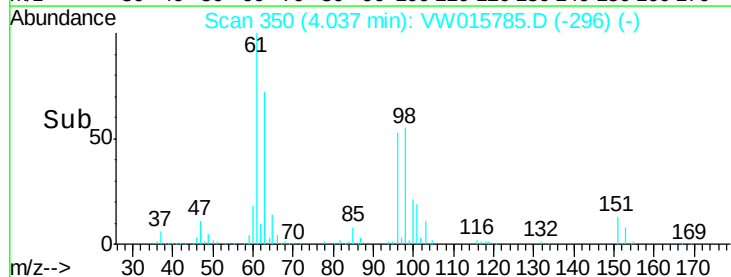
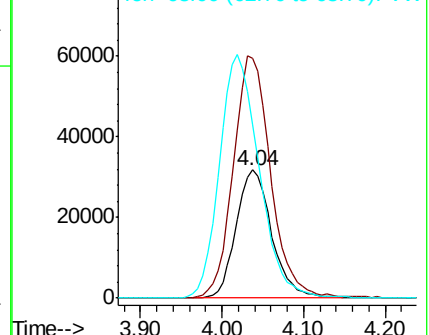
63 135.3 112.3 208.7

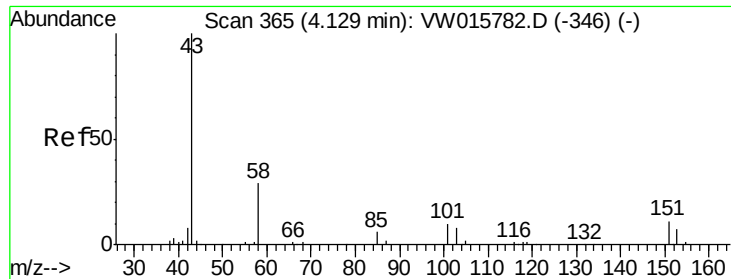


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 74.372 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

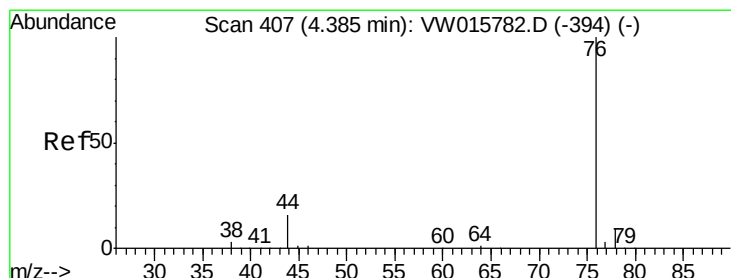
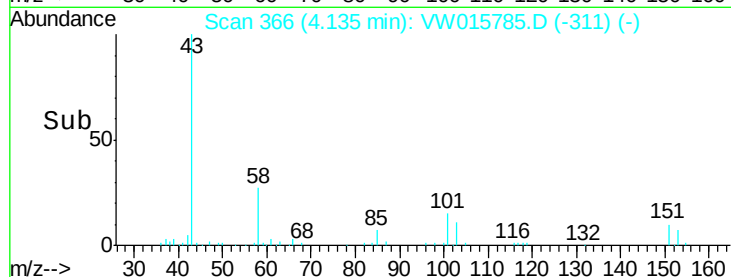
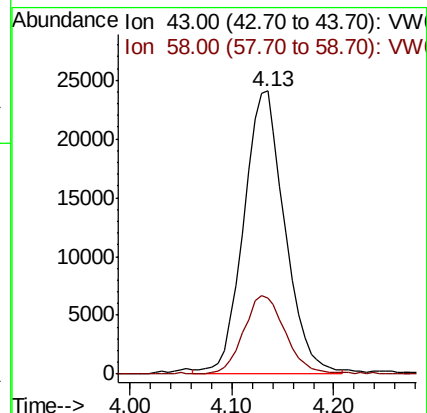
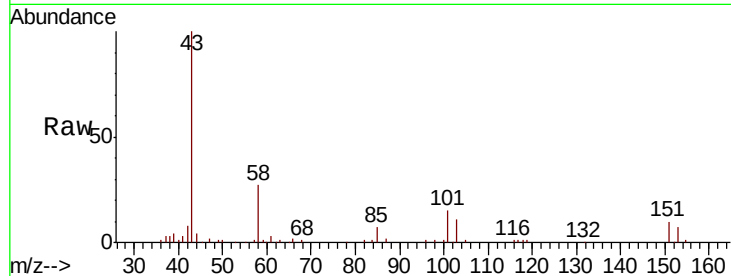
VSTD02523

Tot Ion: 43 Resp: 67256

Ion Ratio Lower Upper

43 100

58 27.6 0.0 59.4



#14

Carbon disulfide

Concen: 26.551 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015785.D

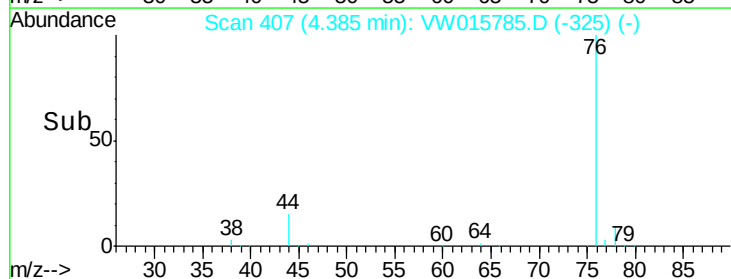
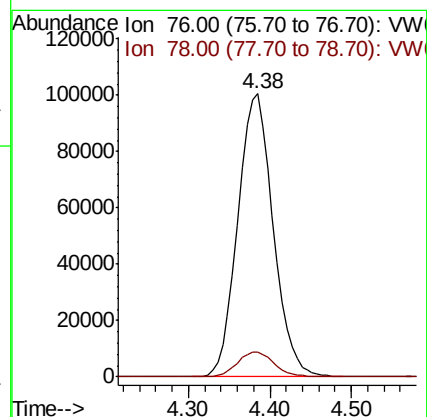
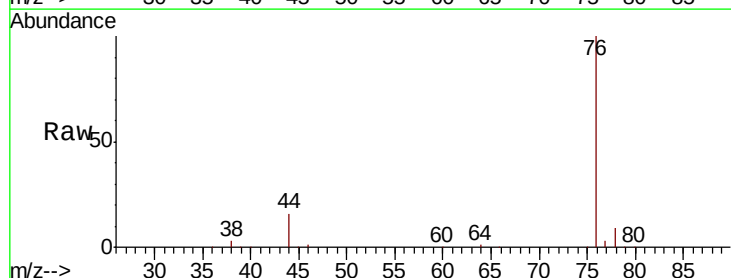
Acq: 06 Jul 2020 14:40

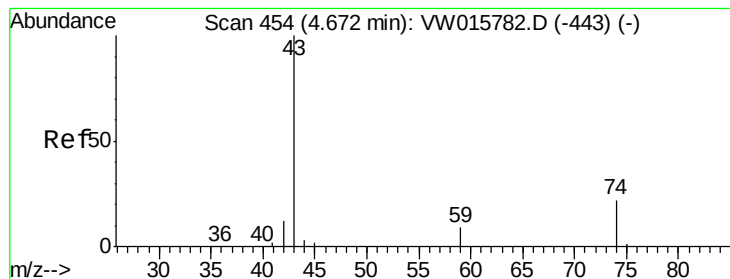
Tgt Ion: 76 Resp: 302065

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3





#15

Methvl Acetate

Concen: 29.738 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

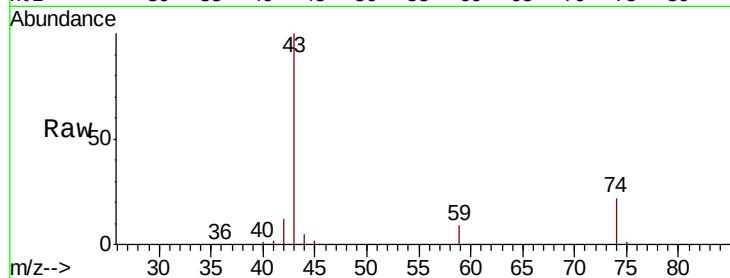
VSTD02523

Tot Ion: 43 Resp: 48178

Ion Ratio Lower Upper

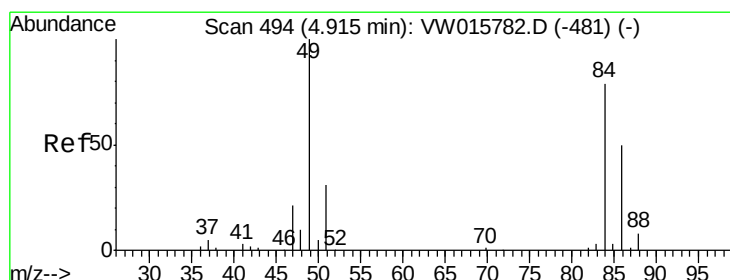
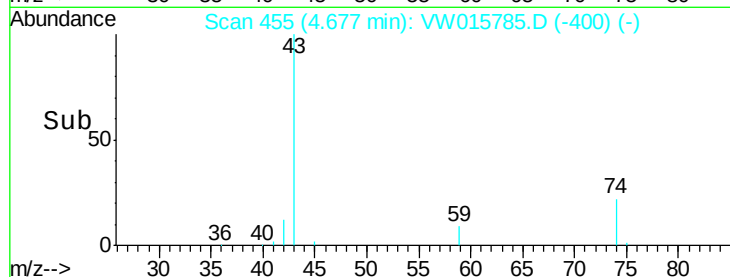
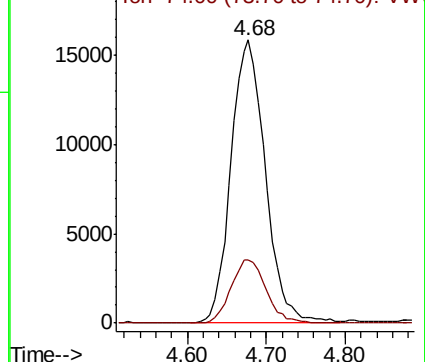
43 100

74 22.7 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.176 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

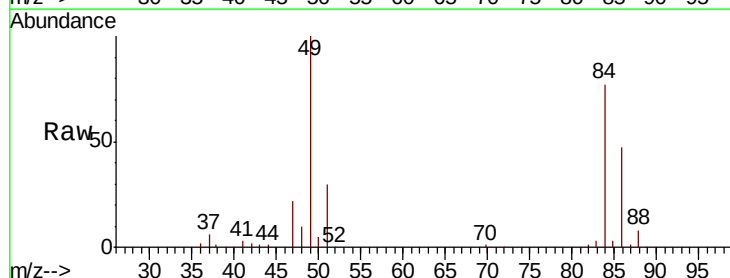
Tgt Ion: 84 Resp: 107115

Ion Ratio Lower Upper

84 100

49 129.3 90.0 167.2

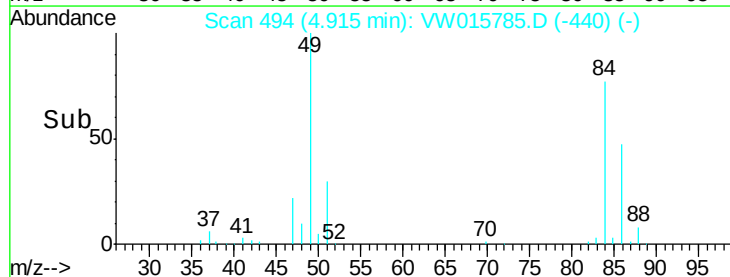
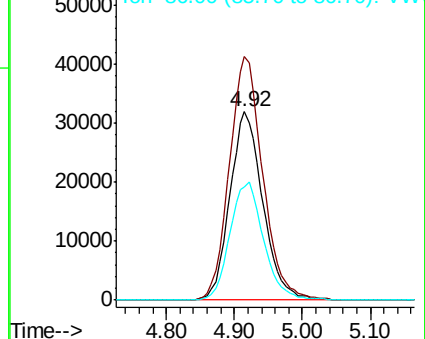
86 60.3 44.0 81.8

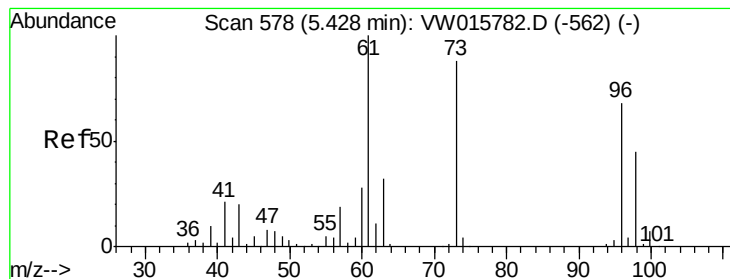


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 27.374 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

VSTD02523

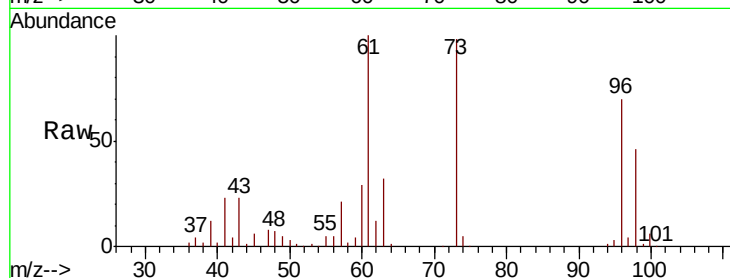
Tot Ion: 73 Resp: 153665

Ion Ratio Lower Upper

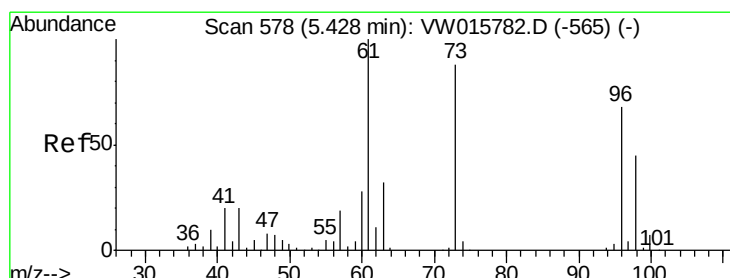
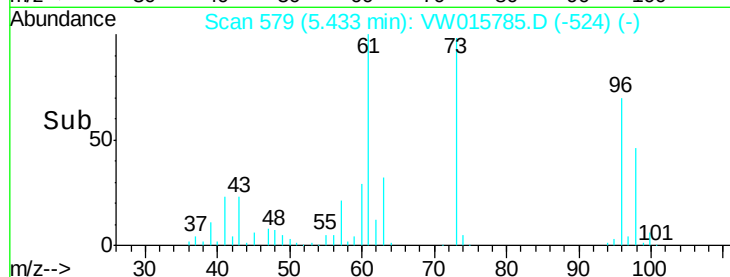
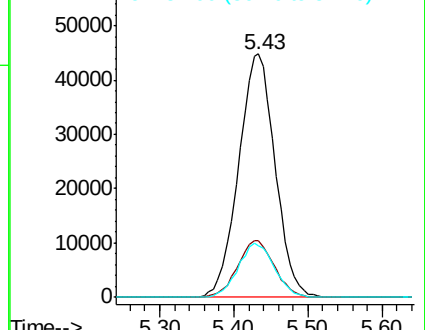
73 100

43 23.6 19.0 28.4

57 22.1 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 26.863 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

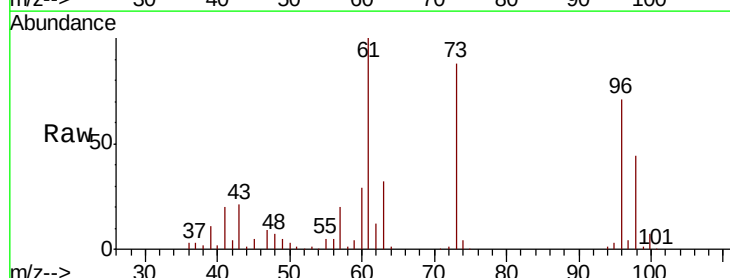
Tgt Ion: 96 Resp: 105648

Ion Ratio Lower Upper

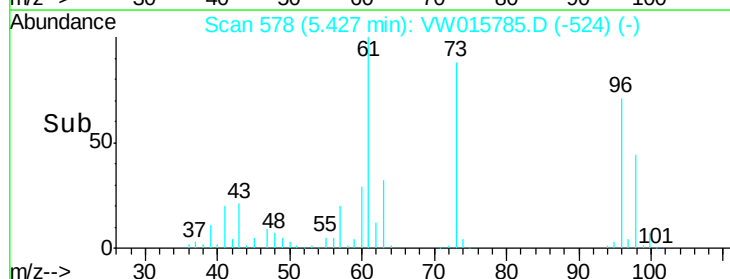
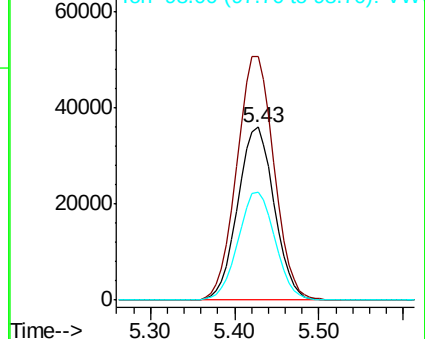
96 100

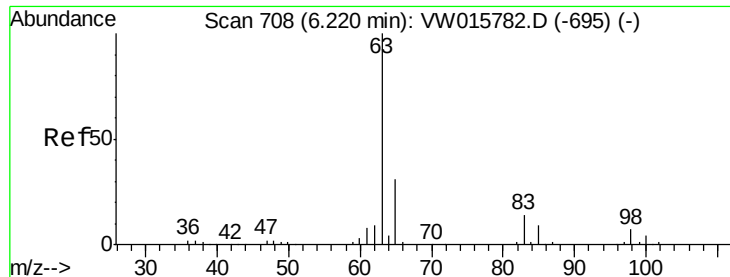
61 140.9 98.5 182.9

98 62.7 44.4 82.4



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

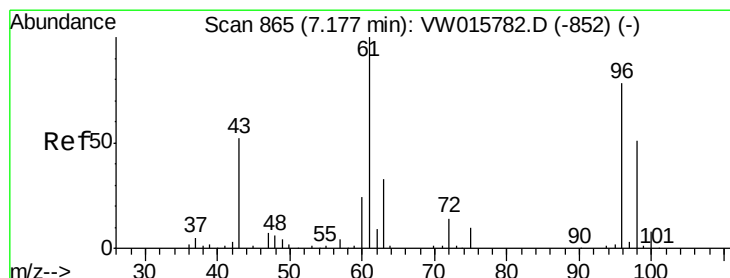
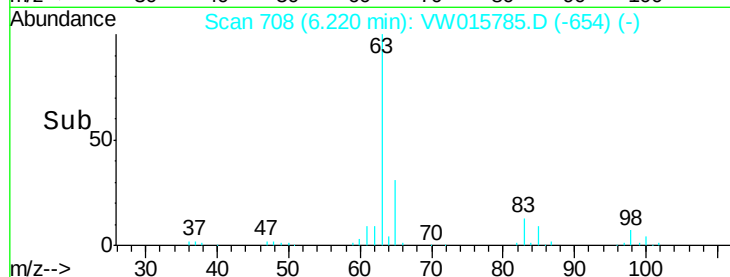
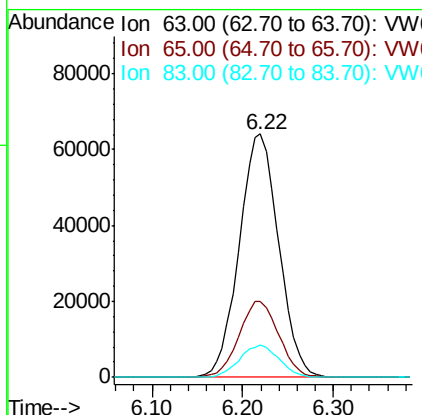
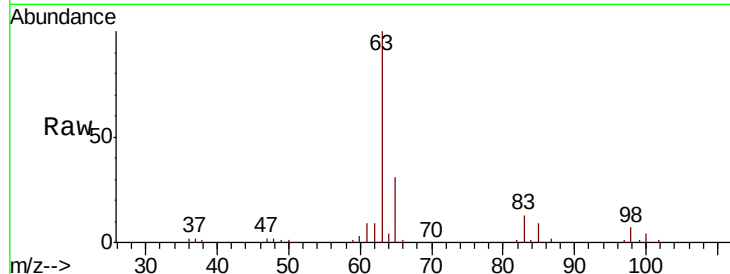




#19
 1,1-Dichloroethane
 Concen: 27.235 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

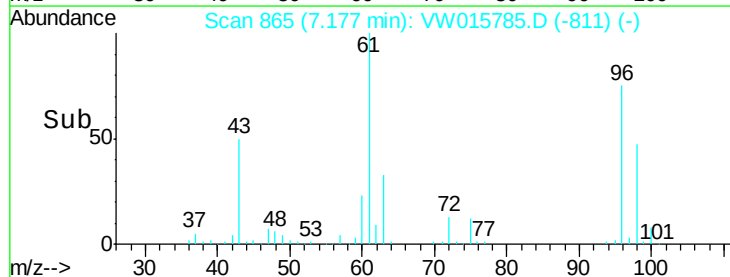
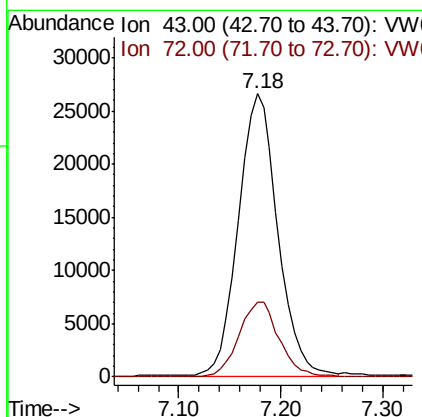
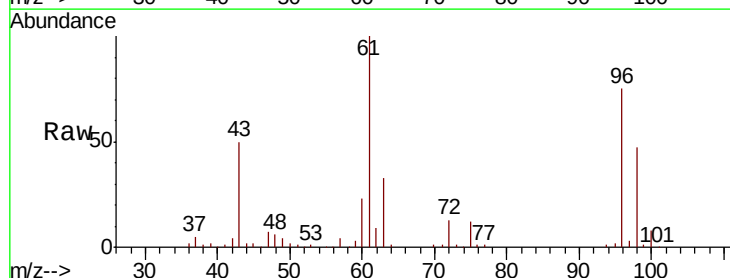
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

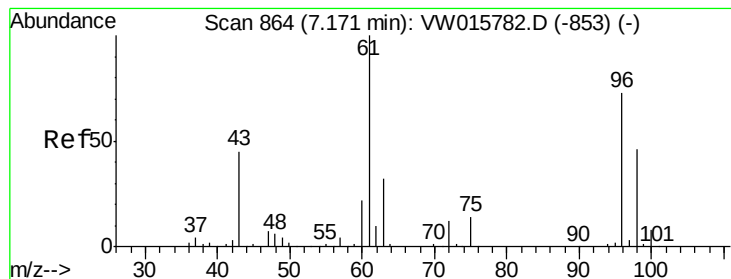
Tot Ion: 63 Resp: 193123
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.3 41.3
 83 13.4 9.5 17.7



#21
 2-Butanone
 Concen: 64.262 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

Tgt Ion: 43 Resp: 71841
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.7 41.1





#22

cis-1,2-Dichloroethene

Concen: 26.971 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

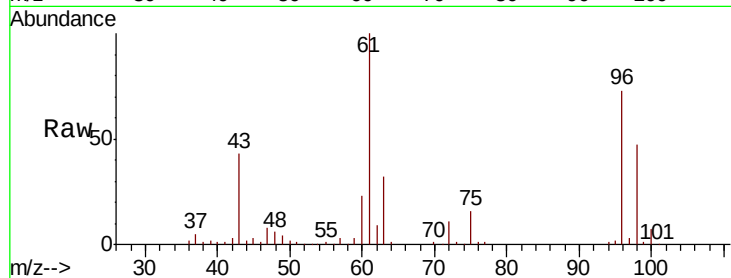
Tot Ion: 96 Resp: 109651

Ion Ratio Lower Upper

96 100

61 136.3 90.8 168.6

98 64.6 44.1 81.9

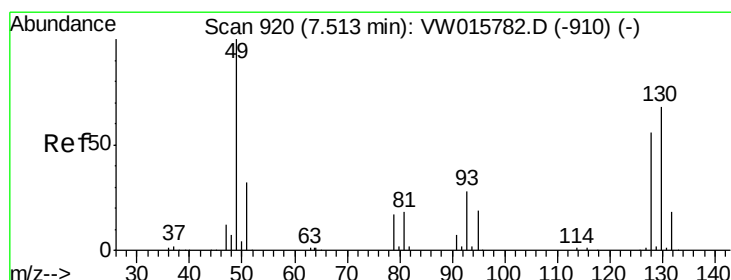
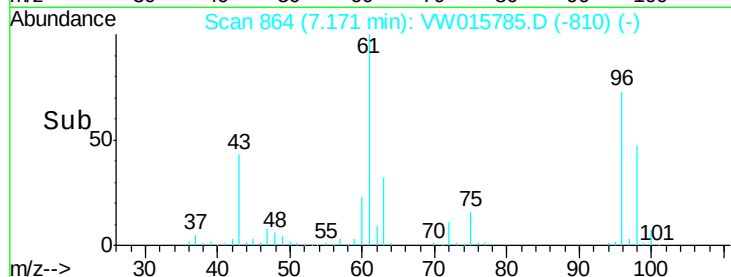
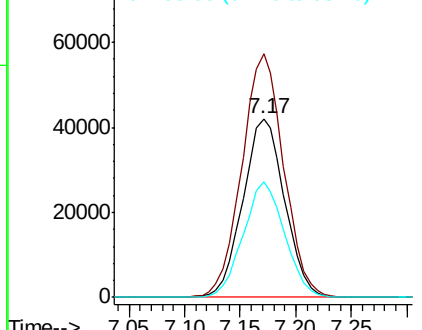


Abundance

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: 27.225 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Tgt Ion: 128 Resp: 48753

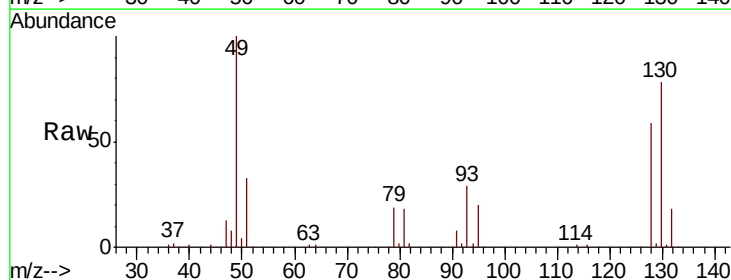
Ion Ratio Lower Upper

128 100

49 168.4 115.0 213.6

130 130.5 85.1 158.1

51 54.9 42.6 64.0



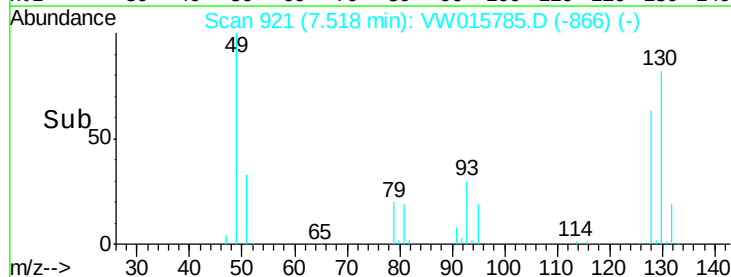
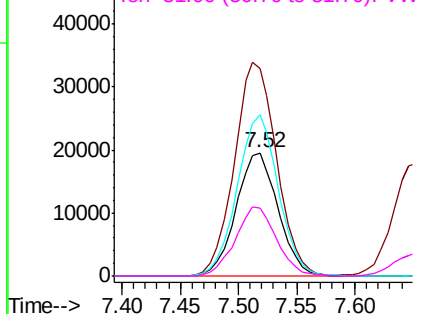
Abundance

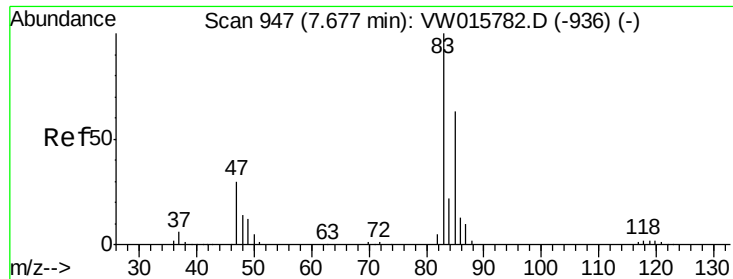
Ion 128.00 (127.70 to 128.70): V

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

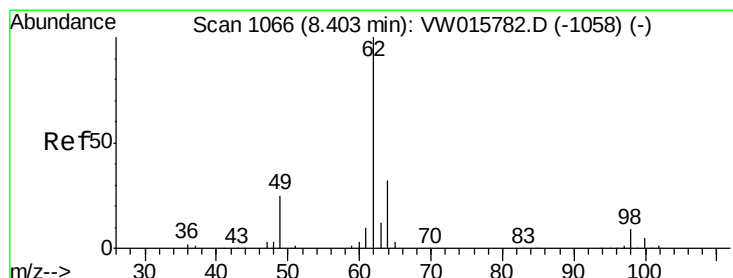
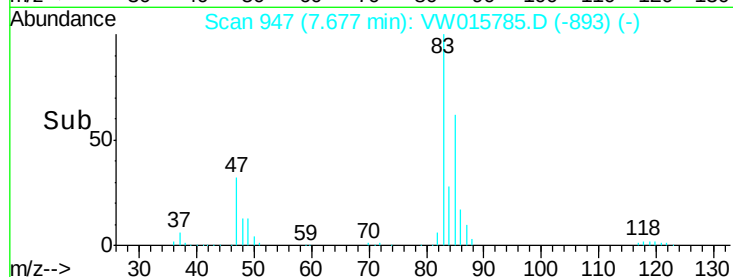
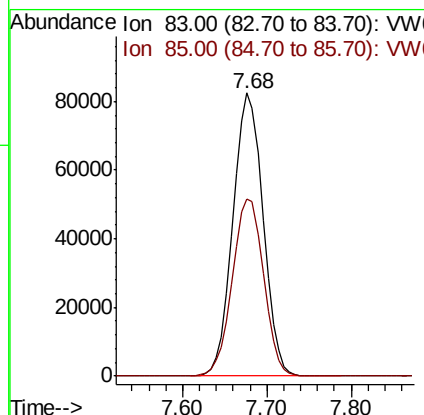
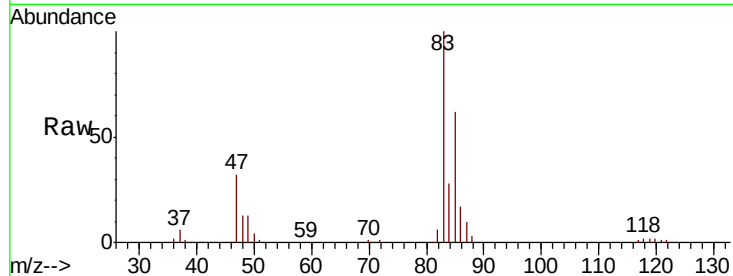




#25
Chloroform
Concen: 27.899 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015785.D
Acq: 06 Jul 2020 14:40

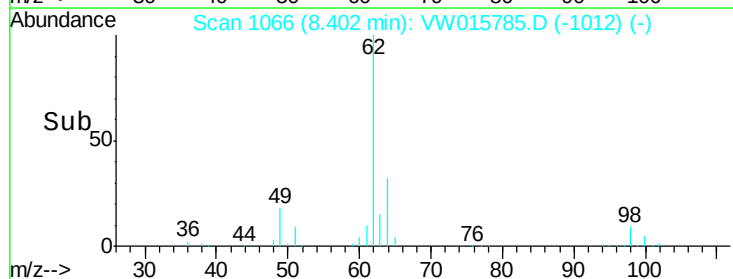
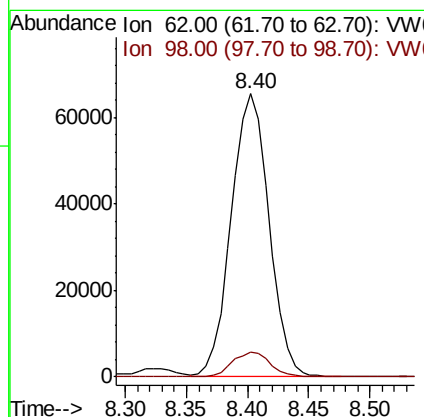
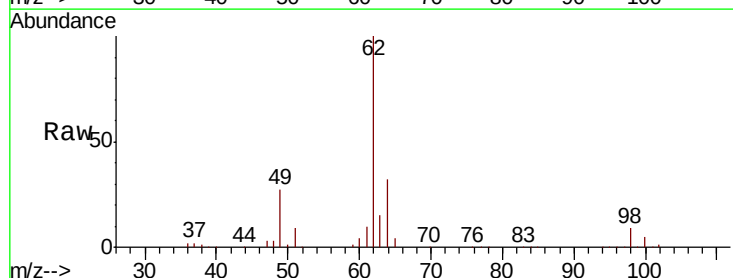
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

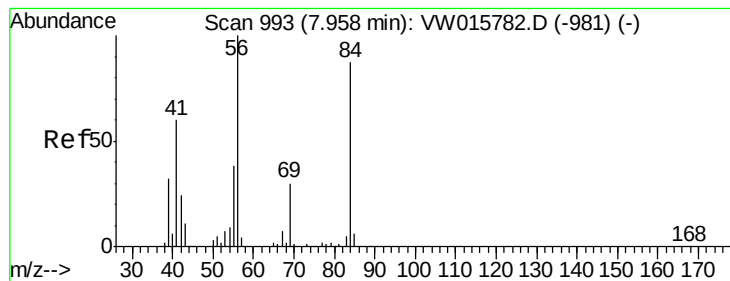
Tot Ion: 83 Resp: 199824
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 28.232 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015785.D
Acq: 06 Jul 2020 14:40

Tgt Ion: 62 Resp: 139819
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4





#30

Cyclohexane

Concen: 27.113 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

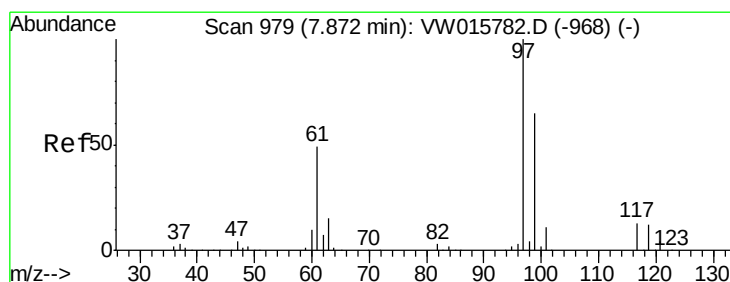
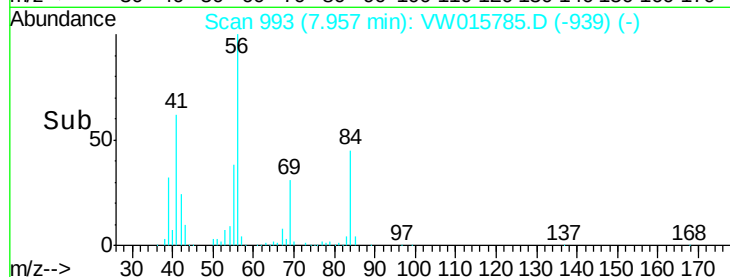
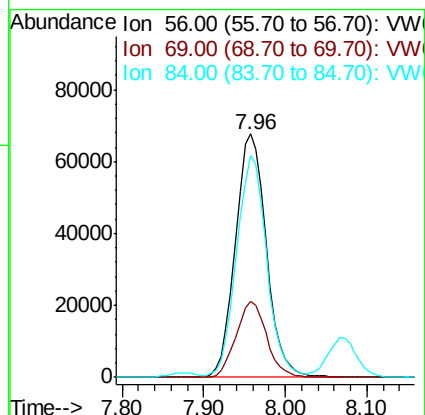
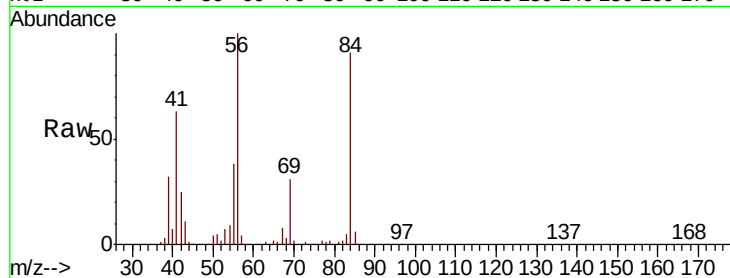
Tot Ion: 56 Resp: 177457

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 89.1 71.1 106.7



#31

1,1,1-Trichloroethane

Concen: 27.414 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

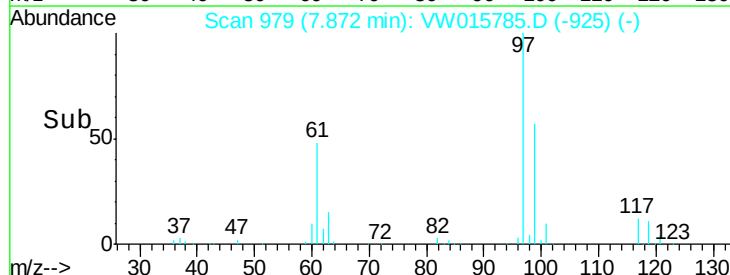
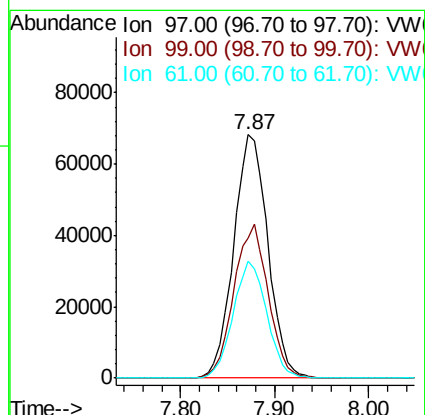
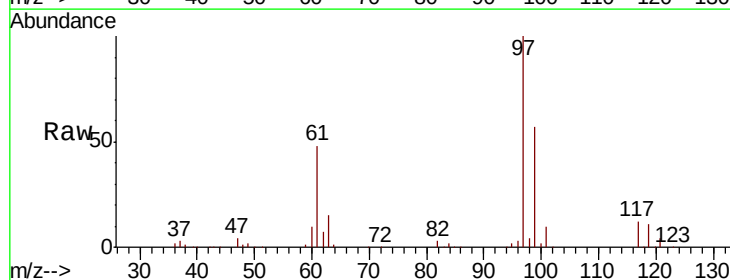
Tgt Ion: 97 Resp: 172195

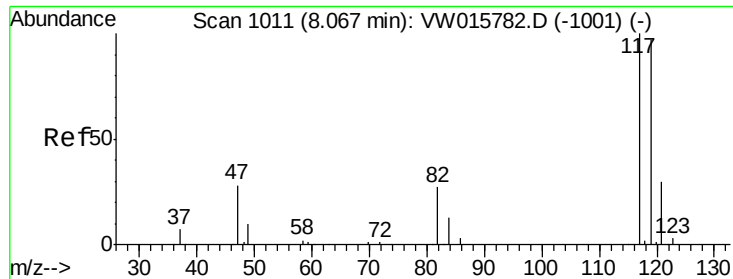
Ion Ratio Lower Upper

97 100

99 63.5 50.5 75.7

61 47.5 37.9 56.9





#32

Carbon tetrachloride

Concen: 27.755 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

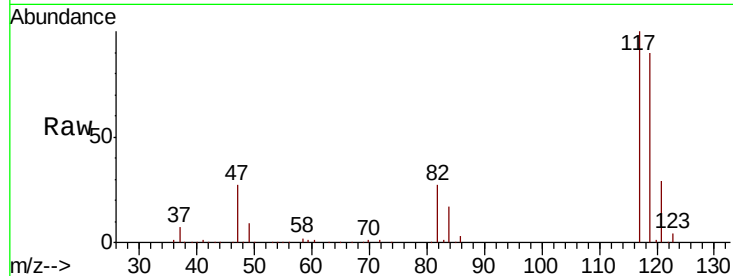
VSTD02523

Tot Ion:117 Resp: 157562

Ion Ratio Lower Upper

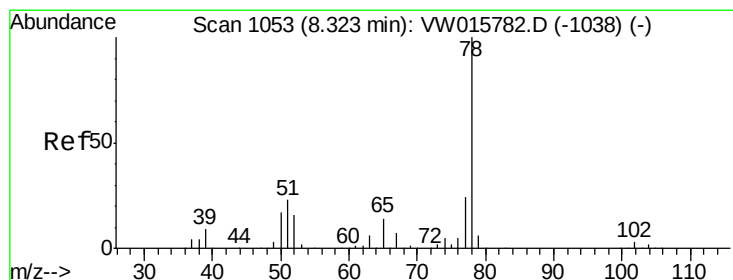
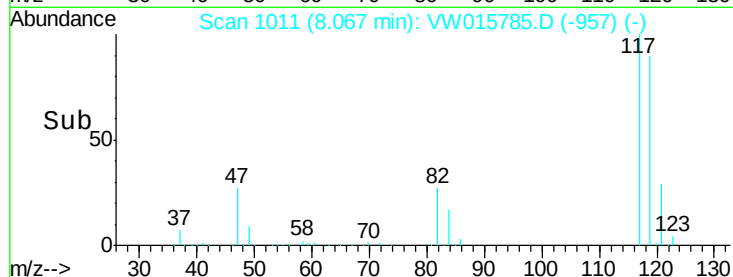
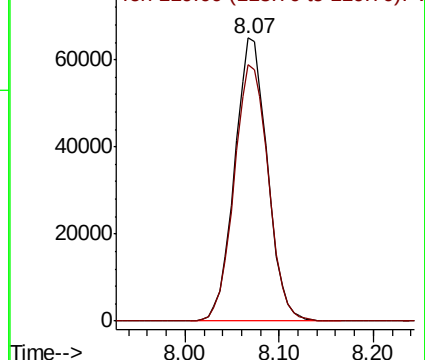
117 100

119 94.4 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.075 ug/L

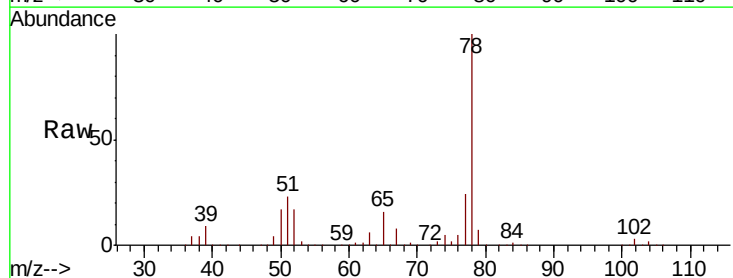
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

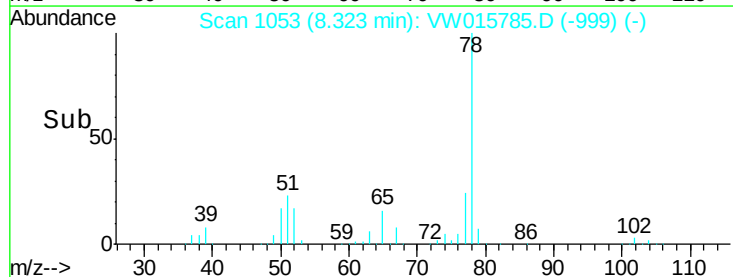
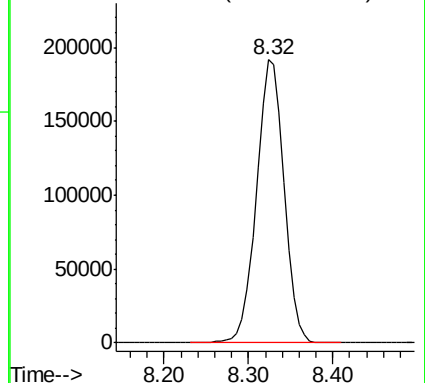
Lab File: VW015785.D

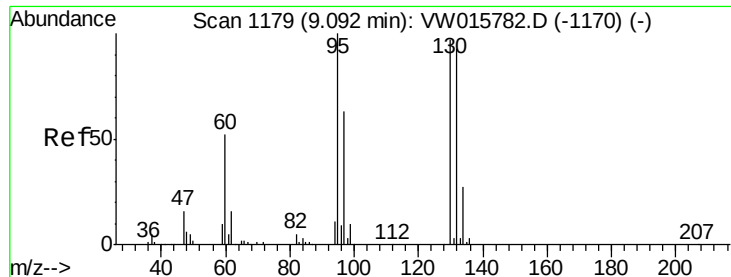
Acq: 06 Jul 2020 14:40

Tgt Ion: 78 Resp: 431525



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.927 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tot Ion: 95 Resp: 114443

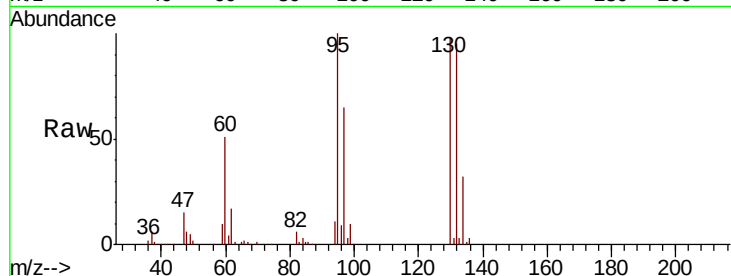
Ion Ratio Lower Upper

95 100

97 63.9 44.9 83.3

132 95.3 67.8 126.0

130 97.8 70.1 130.1

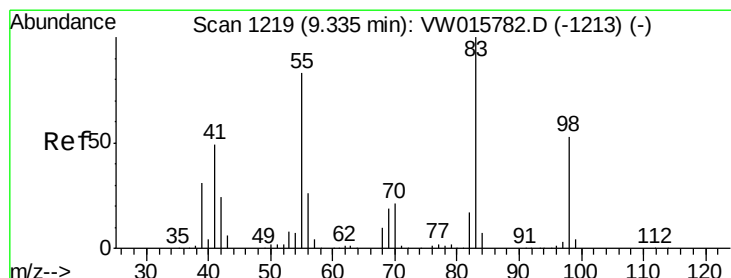
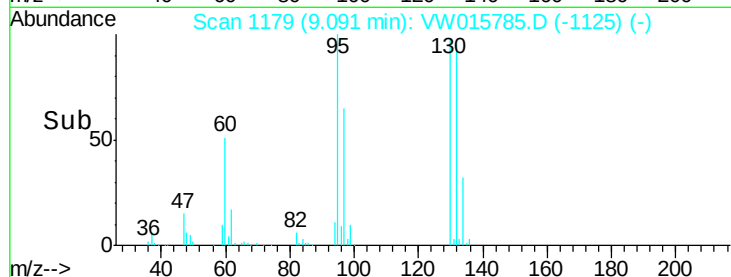
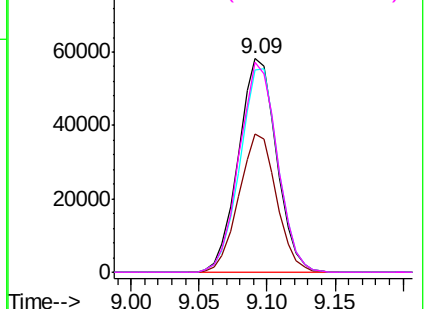


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 27.424 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

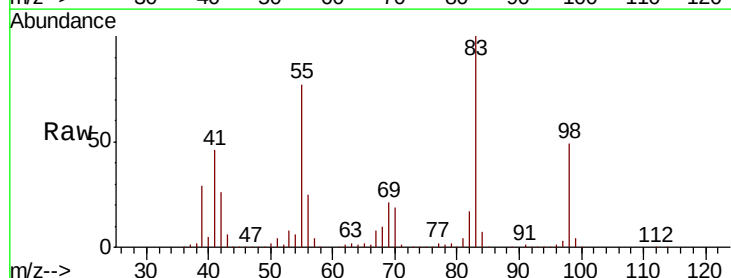
Tgt Ion: 83 Resp: 201031

Ion Ratio Lower Upper

83 100

55 78.8 62.7 94.1

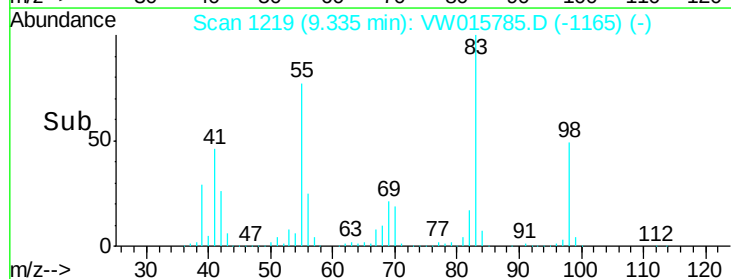
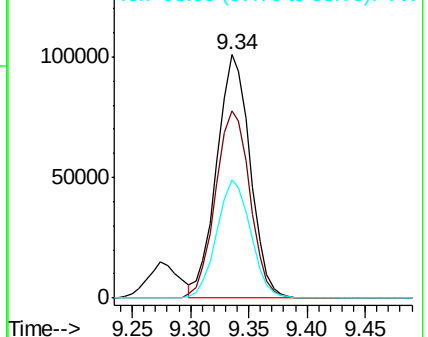
98 49.4 39.4 59.2

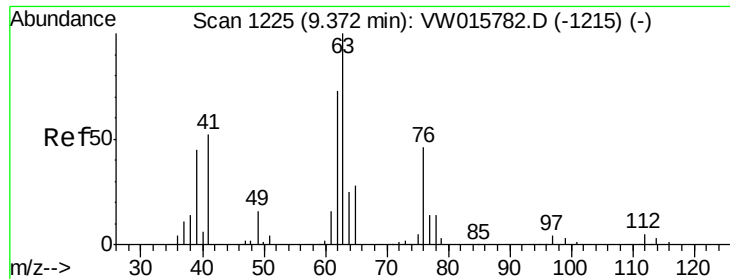


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.528 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

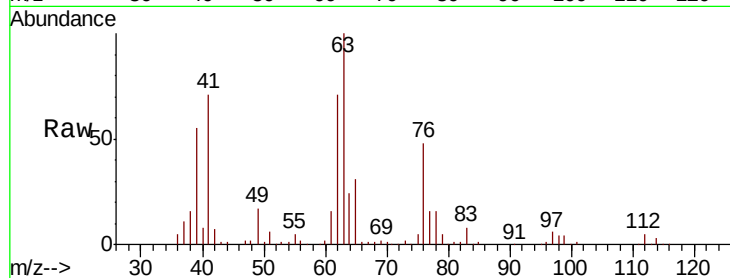
VSTD02523

Tot Ion: 63 Resp: 106783

Ion Ratio Lower Upper

63 100

112 4.7 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

60000

50000

40000

30000

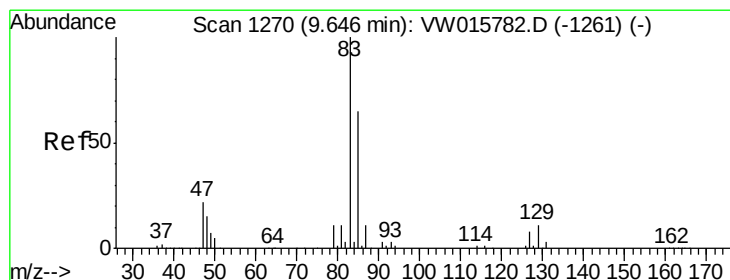
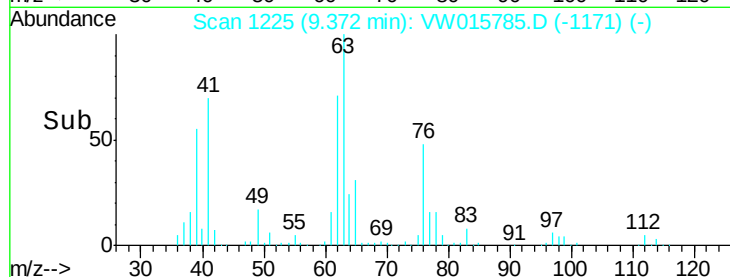
20000

10000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 28.204 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

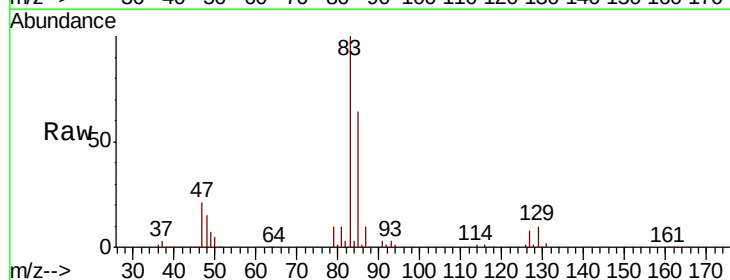
Tgt Ion: 83 Resp: 142150

Ion Ratio Lower Upper

83 100

85 63.8 44.1 81.9

127 7.7 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

100000

80000

60000

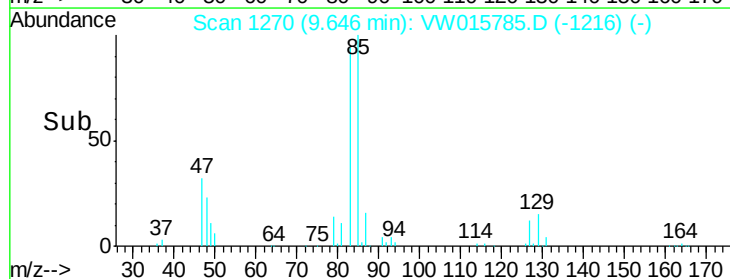
40000

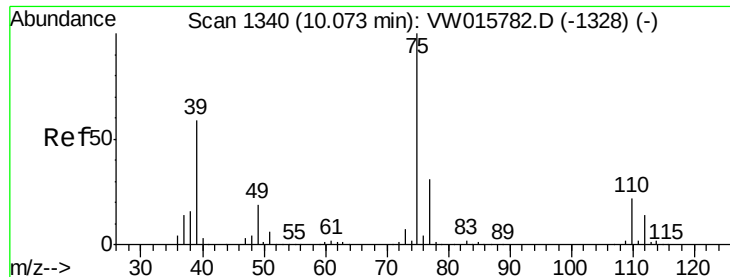
20000

0

9.55 9.60 9.65 9.70 9.75

Time-->





#42

cis-1,3-Dichloropropene

Concen: 27.472 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

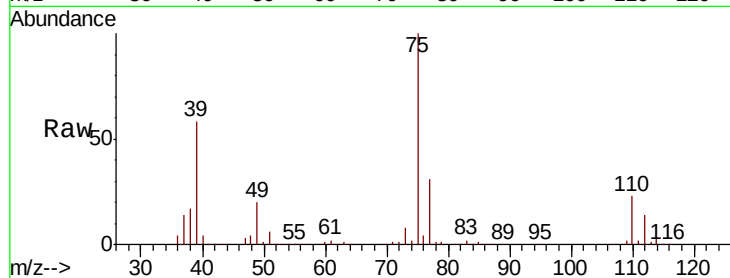
VSTD02523

Tot Ion: 75 Resp: 166353

Ion Ratio Lower Upper

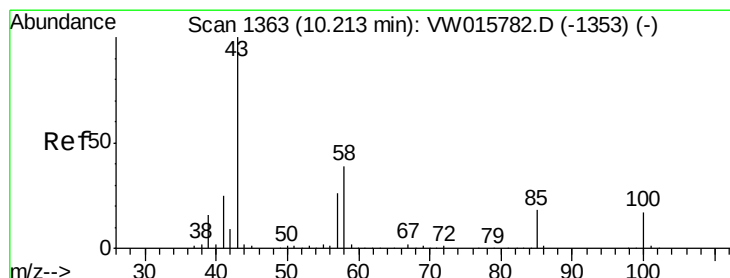
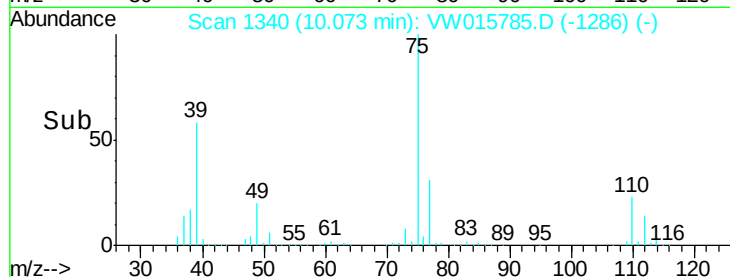
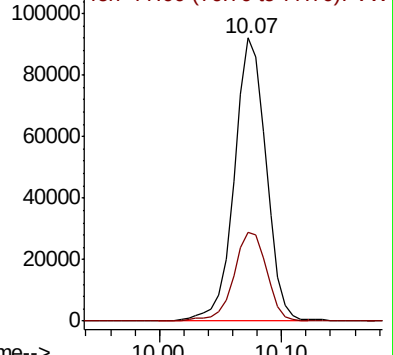
75 100

77 31.5 22.2 41.2



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: 61.055 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

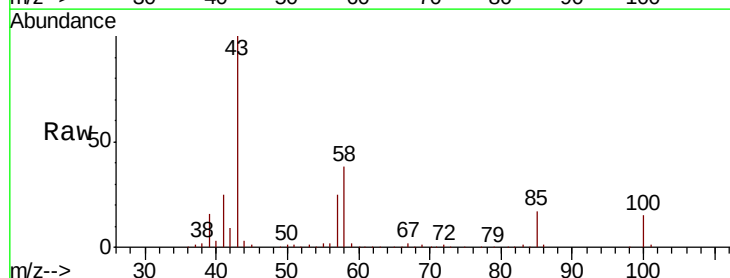
Tgt Ion: 43 Resp: 138181

Ion Ratio Lower Upper

43 100

58 38.0 30.3 45.5

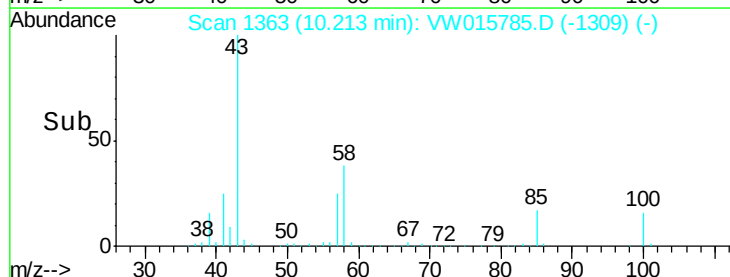
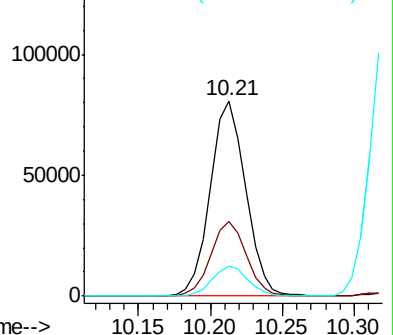
100 15.5 12.8 19.2

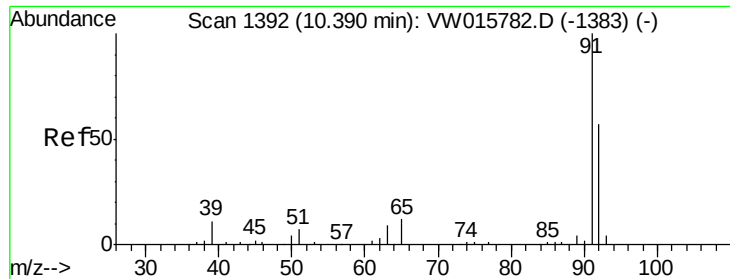


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 27.194 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

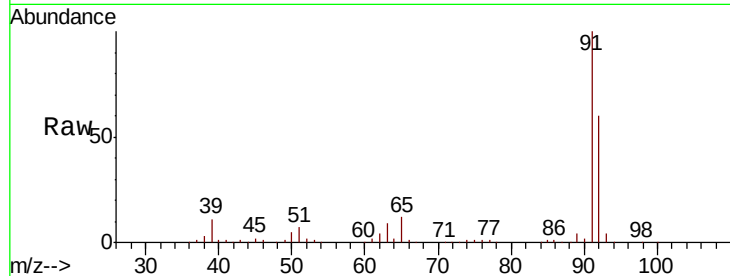
VSTD02523

Tot Ion: 91 Resp: 470866

Ion Ratio Lower Upper

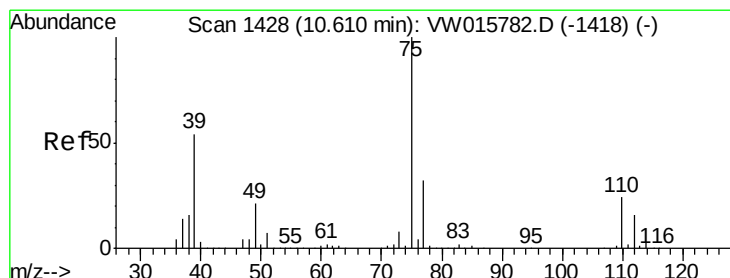
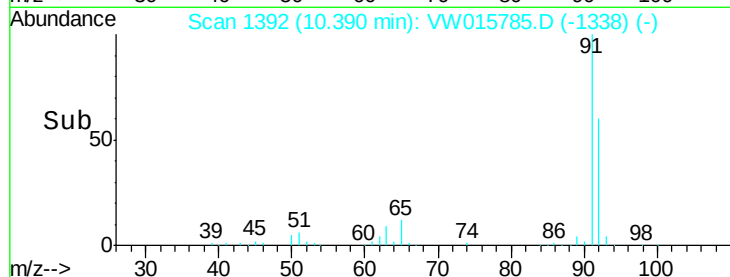
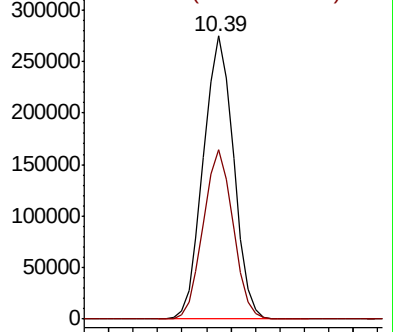
91 100

92 59.7 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 28.560 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015785.D

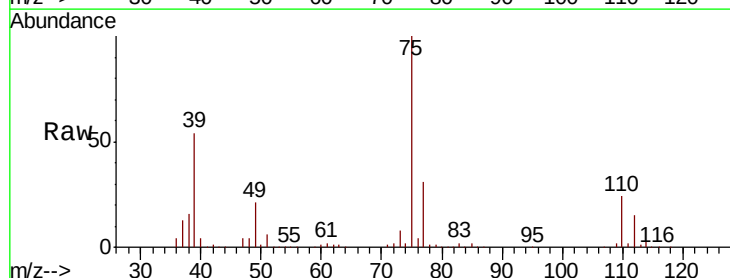
Acq: 06 Jul 2020 14:40

Tgt Ion: 75 Resp: 150527

Ion Ratio Lower Upper

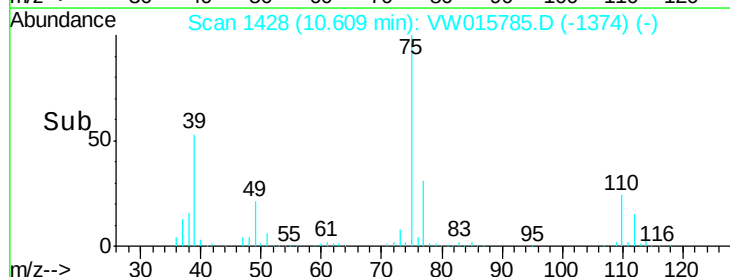
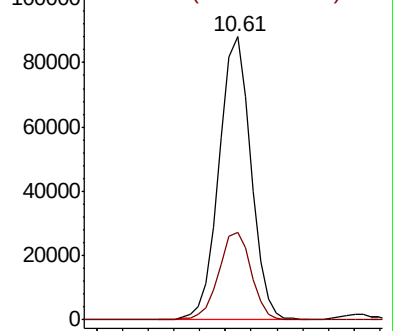
75 100

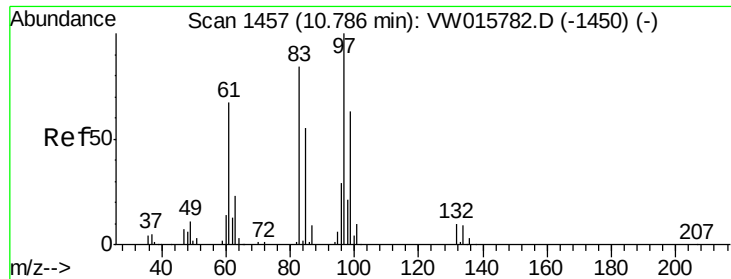
77 31.0 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 28.528 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tot Ion: 97 Resp: 79889

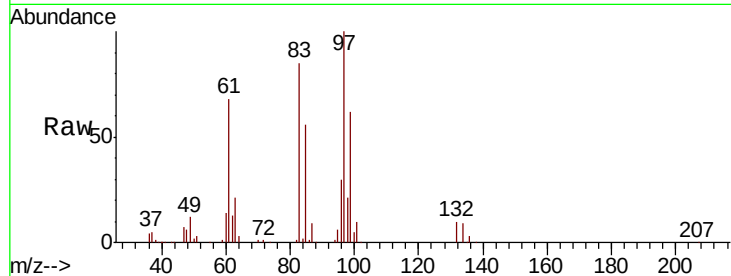
Ion Ratio Lower Upper

97 100

83 84.6 58.4 108.4

85 55.6 39.2 72.8

99 61.8 43.5 80.7



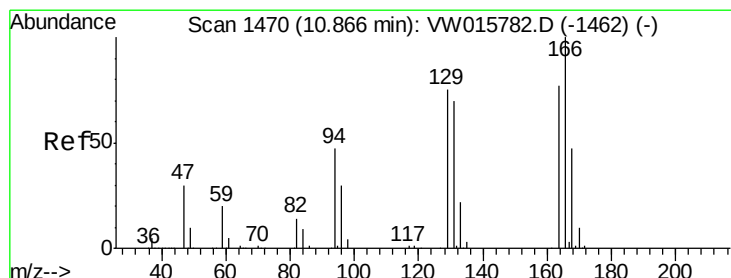
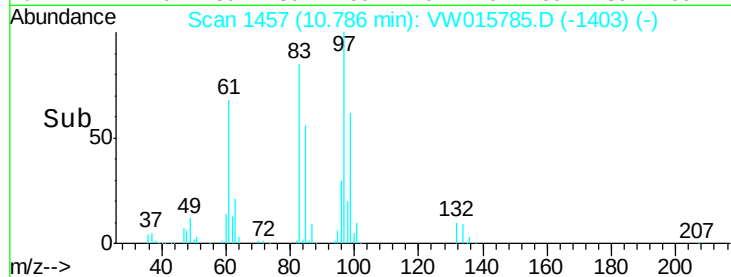
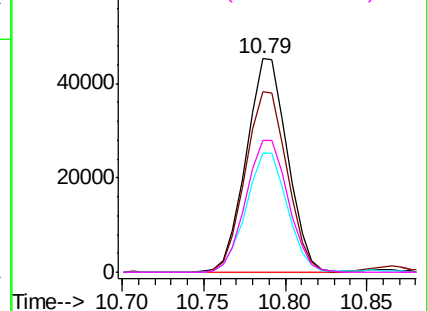
Abundance

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: 26.667 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Tgt Ion: 164 Resp: 91072

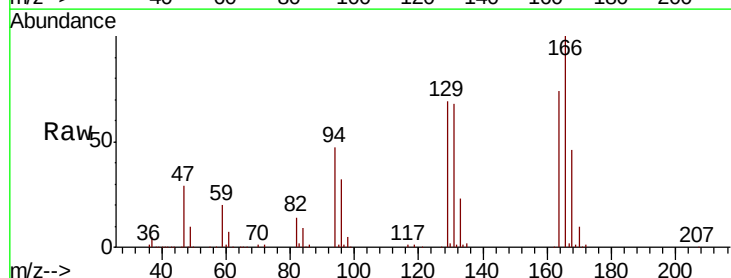
Ion Ratio Lower Upper

164 100

129 93.9 66.1 122.8

131 92.8 63.6 118.0

166 135.8 86.9 161.3



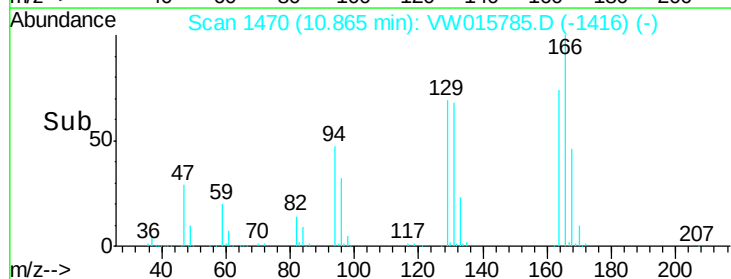
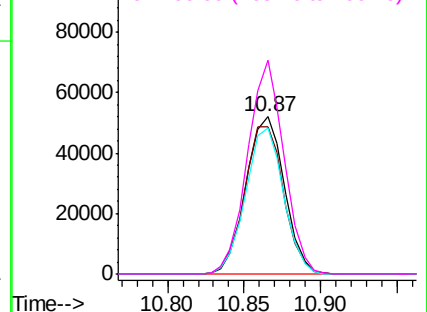
Abundance

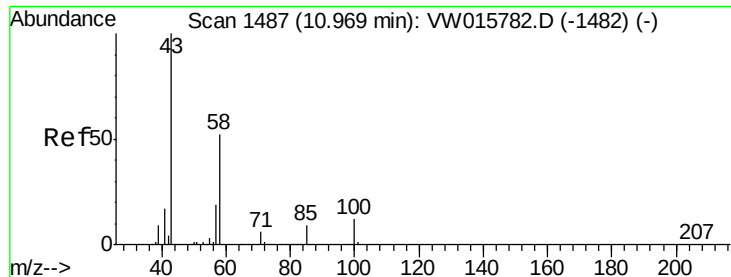
Ion 164.00 (163.70 to 164.70): V

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

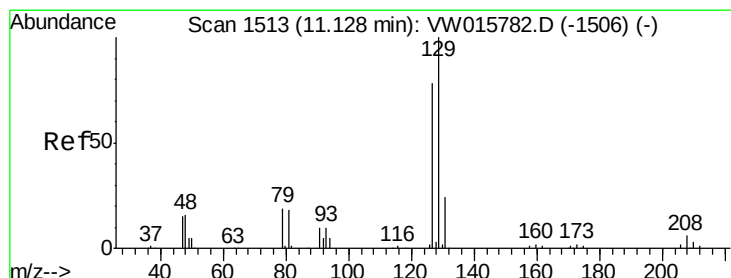
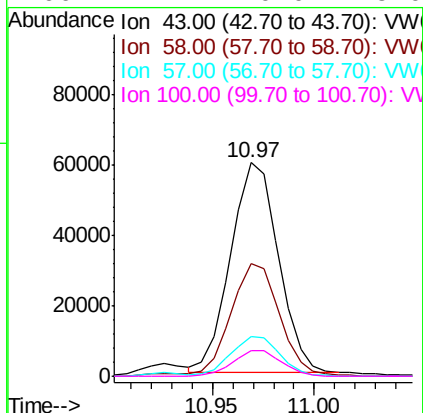
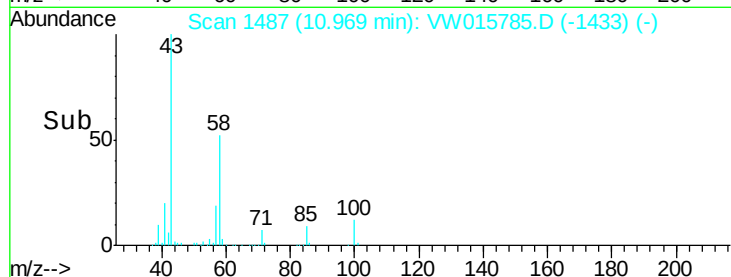
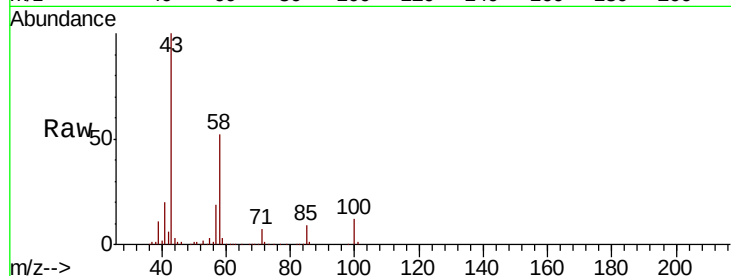




#49
2-Hexanone
Concen: 60.694 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015785.D
Acq: 06 Jul 2020 14:40

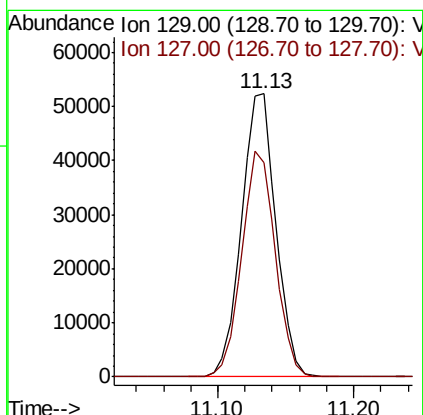
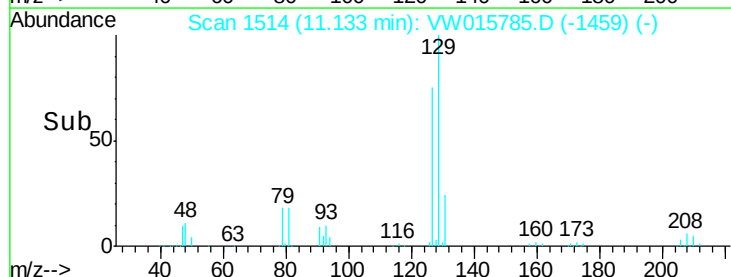
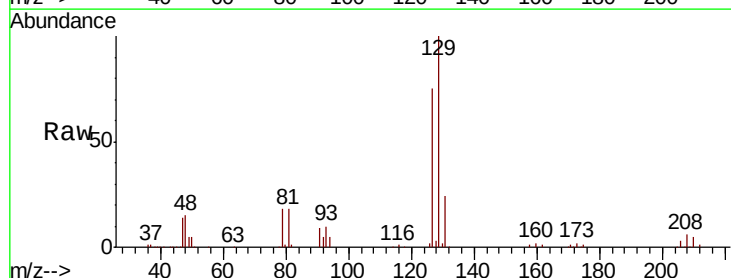
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

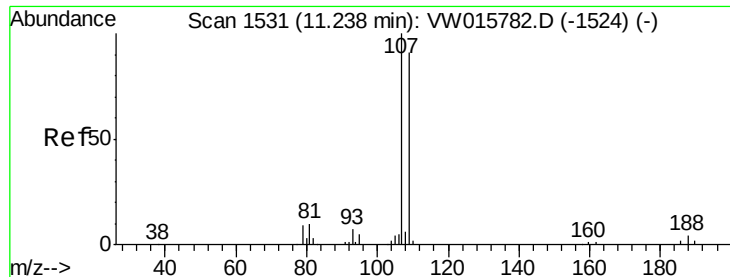
Tot Ion:	43	Resp:	96763
Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.5	65.3
57	19.9	15.4	23.0
100	12.7	10.0	15.0



#50
Dibromochloromethane
Concen: 28.286 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW015785.D
Acq: 06 Jul 2020 14:40

Tgt Ion:	129	Resp:	92723
Ion	Ratio	Lower	Upper
129	100		
127	75.5	50.7	94.1

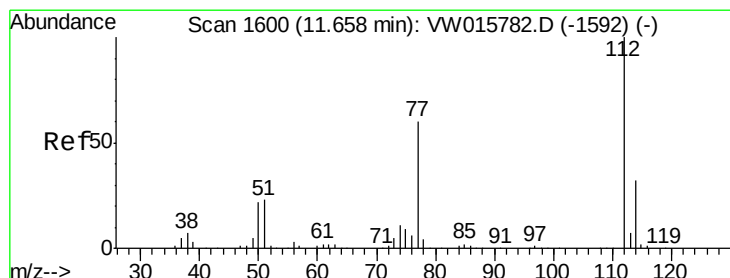
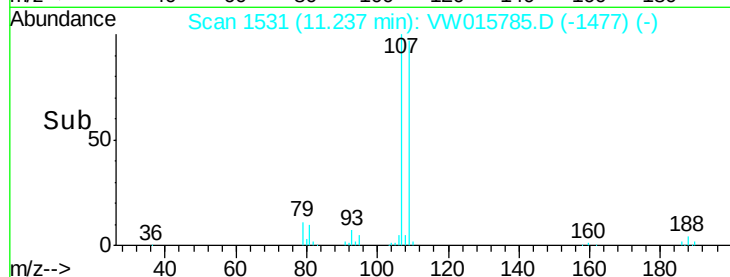
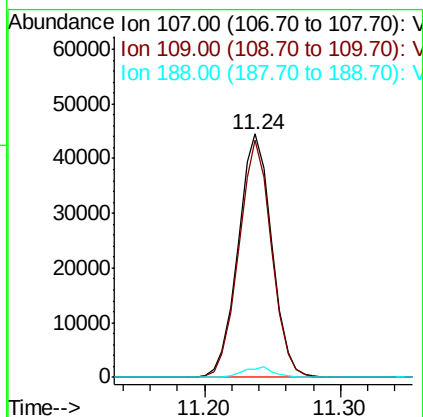
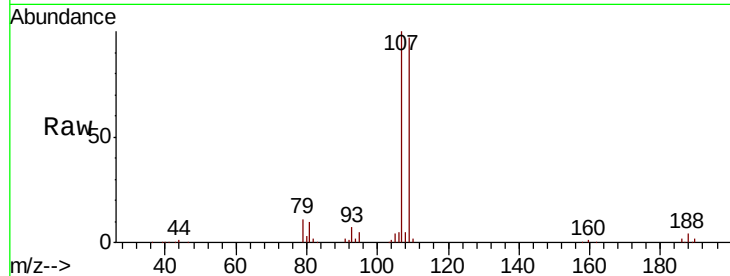




#51
1,2-Dibromoethane
Concen: 28.242 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015785.D
Acq: 06 Jul 2020 14:40

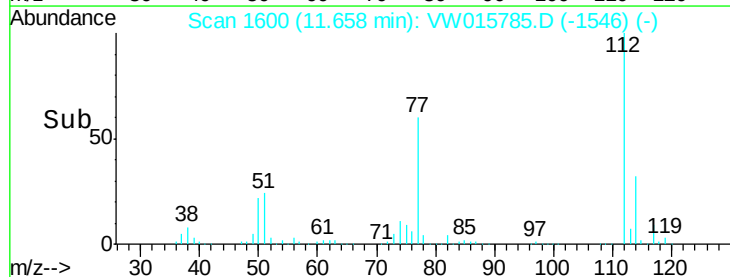
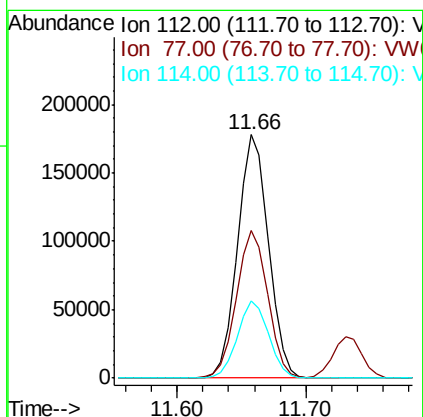
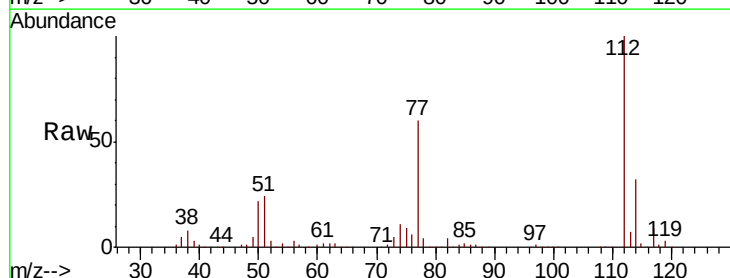
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

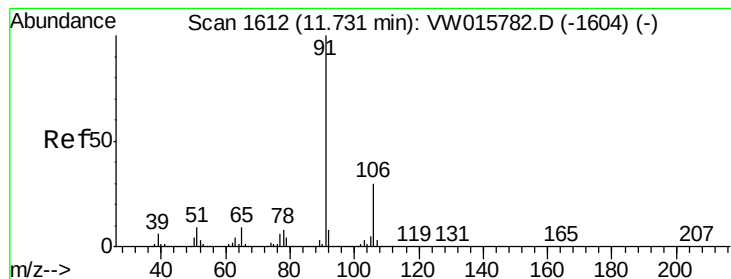
Tot Ion:107 Resp: 76664
Ion Ratio Lower Upper
107 100
109 97.2 64.0 118.8
188 3.5 3.1 4.7



#52
Chlorobenzene
Concen: 27.125 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015785.D
Acq: 06 Jul 2020 14:40

Tgt Ion:112 Resp: 295218
Ion Ratio Lower Upper
112 100
77 60.5 48.4 72.6
114 31.8 21.8 40.4





#53

Ethylbenzene

Concen: 27.915 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

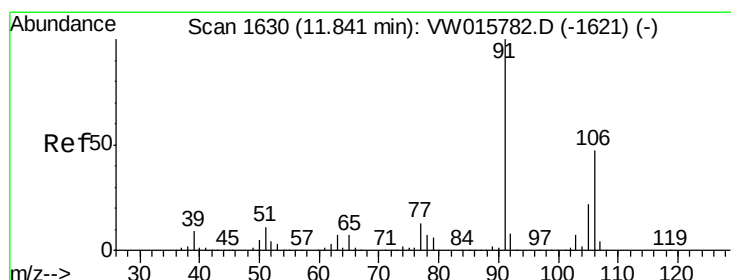
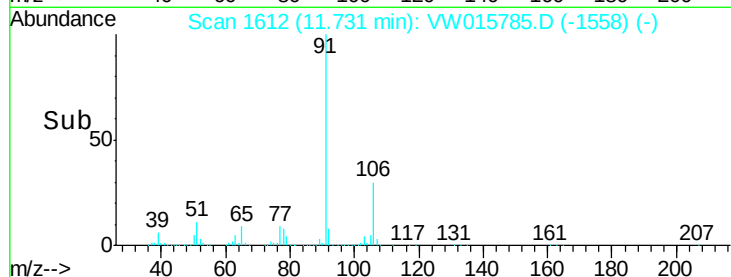
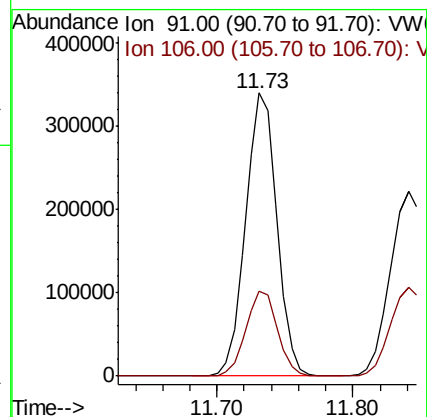
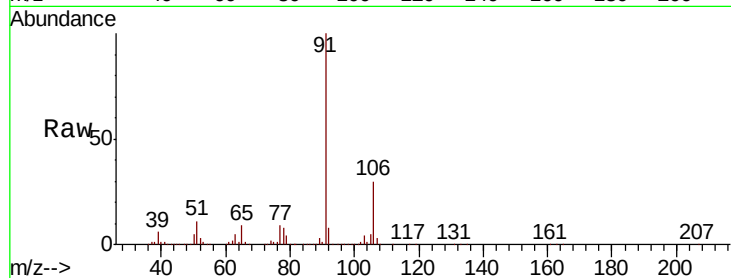
VSTD02523

Tot Ion: 91 Resp: 546514

Ion Ratio Lower Upper

91 100

106 30.1 21.4 39.8



#54

m,p-Xylene

Concen: 27.654 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015785.D

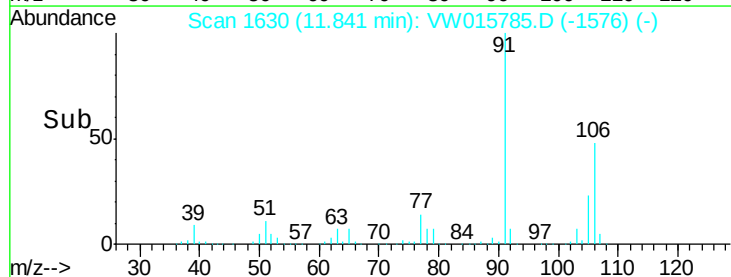
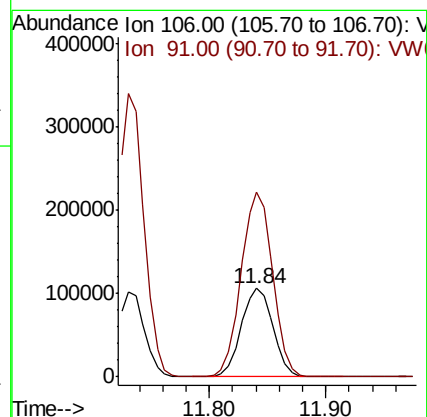
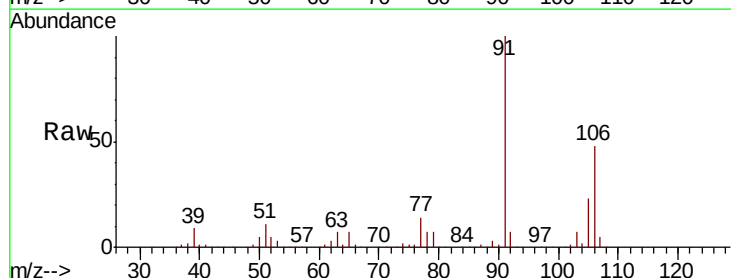
Acq: 06 Jul 2020 14:40

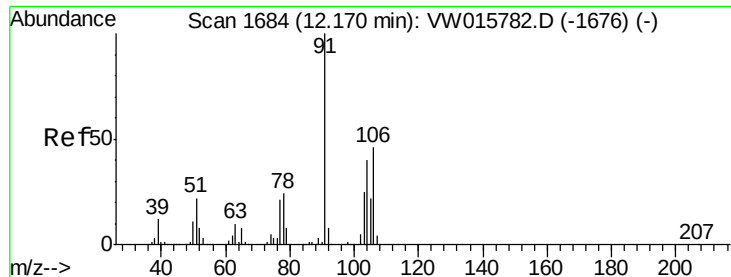
Tgt Ion: 106 Resp: 202360

Ion Ratio Lower Upper

106 100

91 209.7 141.5 262.9





#55

o-xylene

Concen: 27.706 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

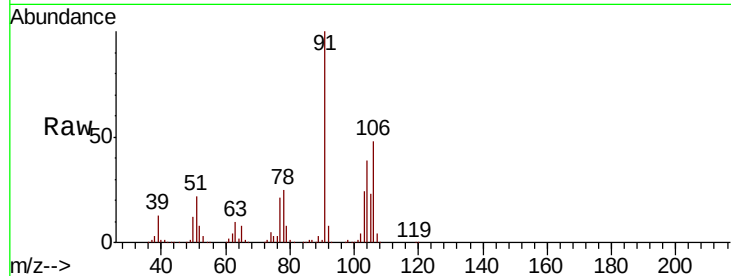
VSTD02523

Tot Ion:106 Resp: 193766

Ion Ratio Lower Upper

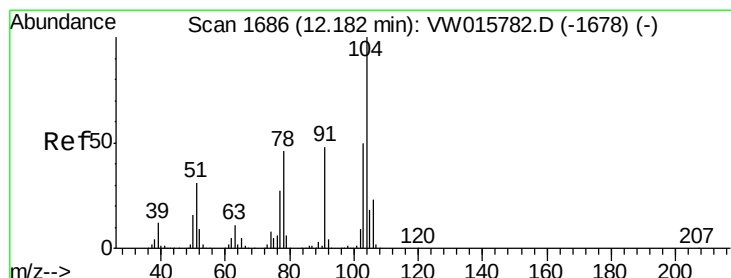
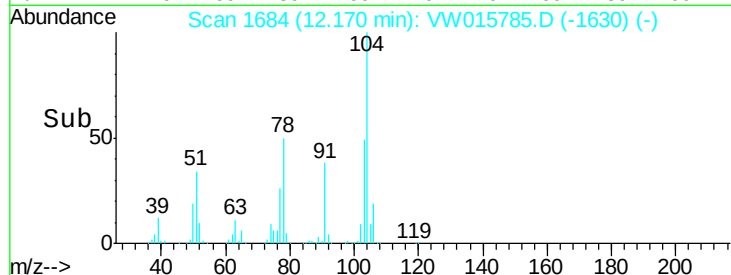
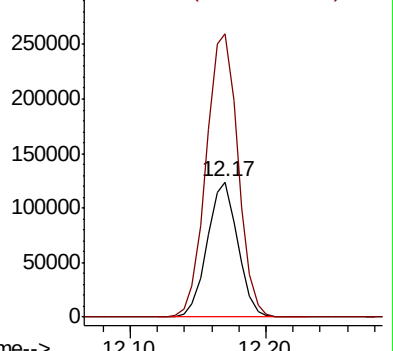
106 100

91 209.1 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.350 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015785.D

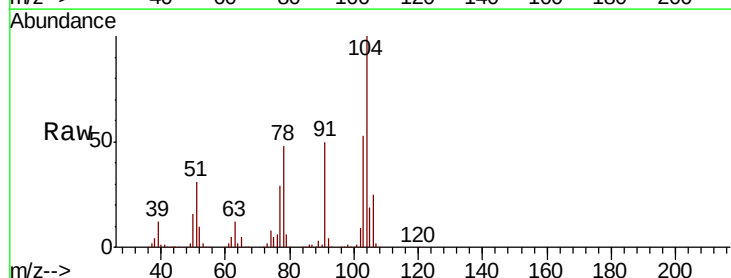
Acq: 06 Jul 2020 14:40

Tgt Ion:104 Resp: 336555

Ion Ratio Lower Upper

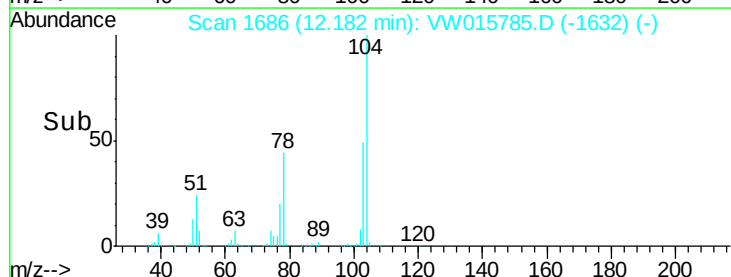
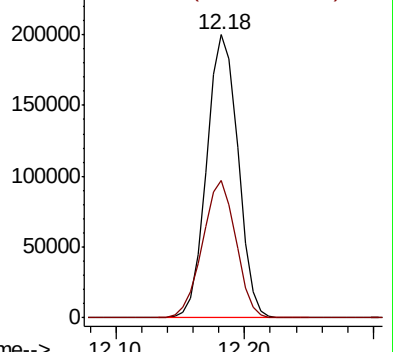
104 100

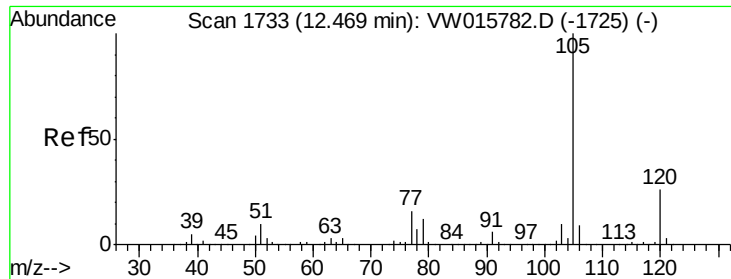
78 48.4 32.4 60.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.457 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

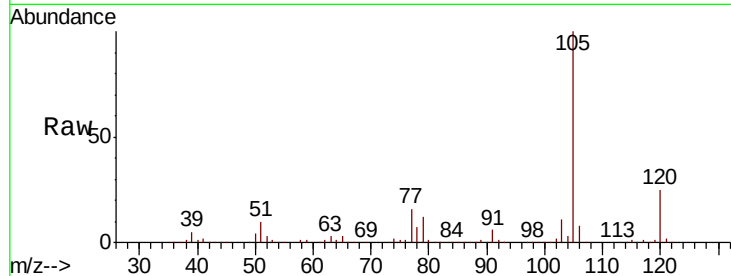
Tot Ion:105 Resp: 549710

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

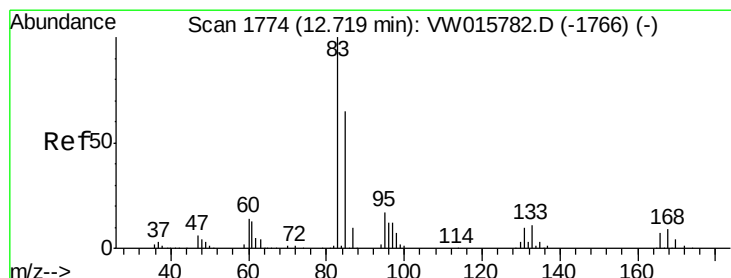
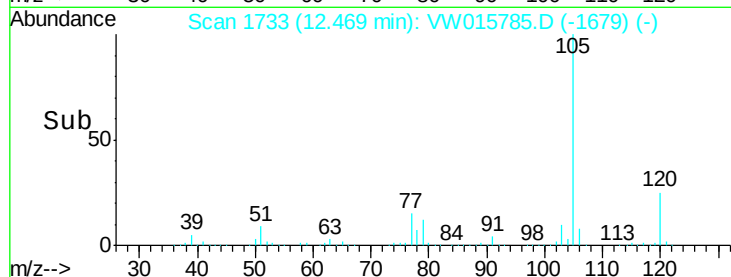
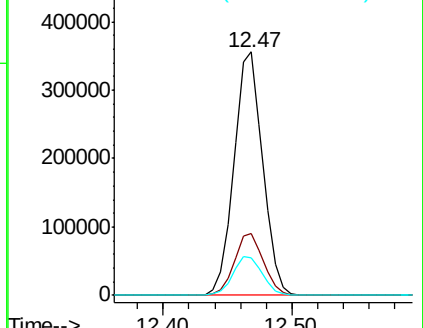
77 16.3 12.9 19.3



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: 29.796 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

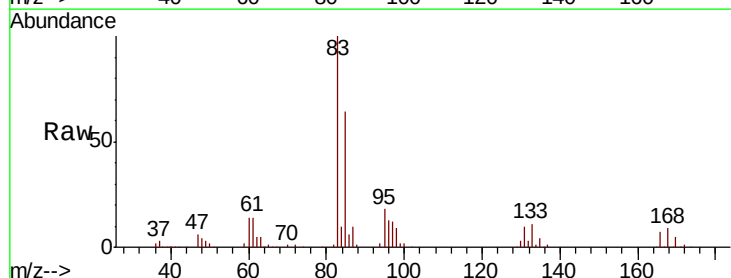
Tgt Ion: 83 Resp: 99289

Ion Ratio Lower Upper

83 100

85 64.4 43.5 80.9

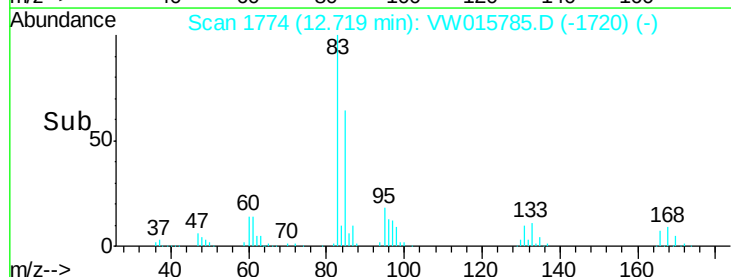
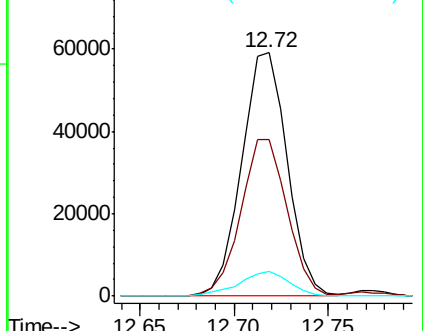
131 10.4 8.2 12.4

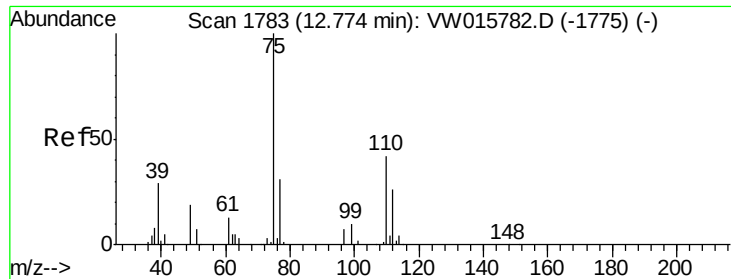


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

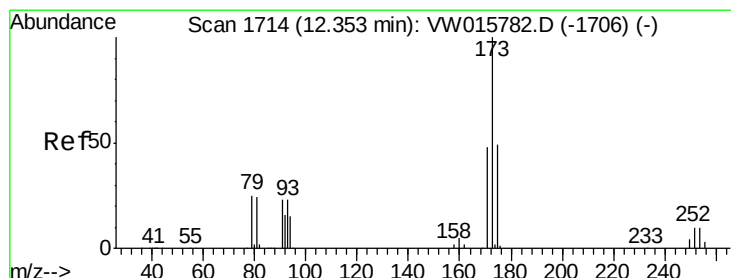
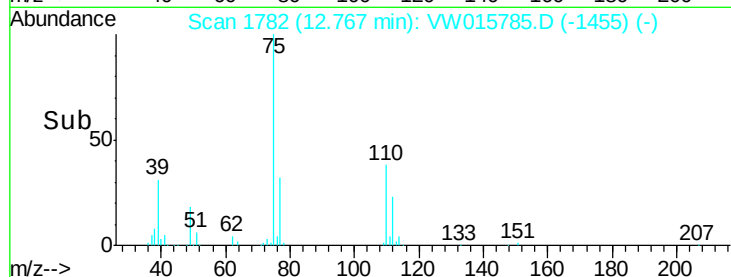
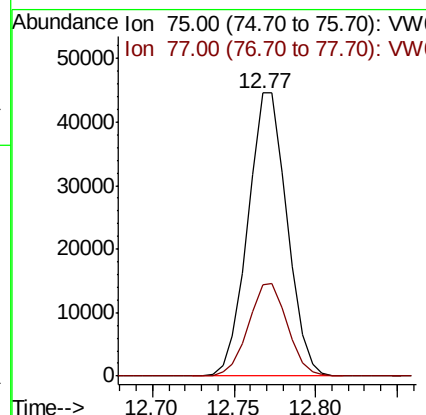
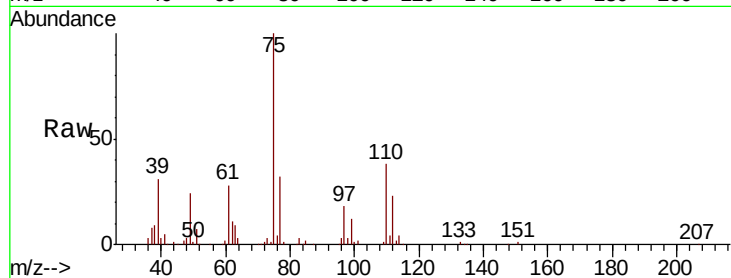




#59
 1,2,3-Trichloropropane
 Concen: 29.675 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

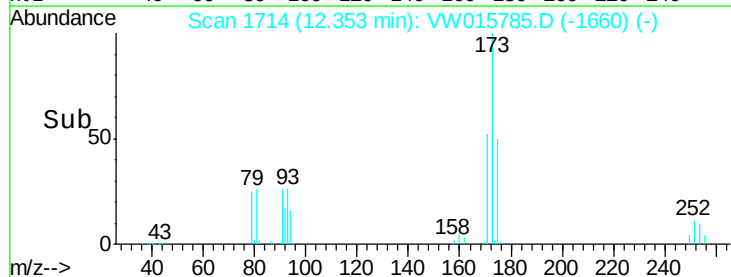
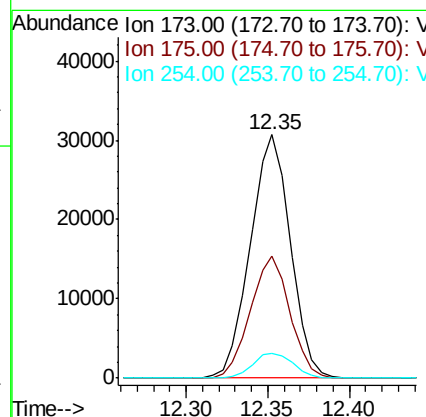
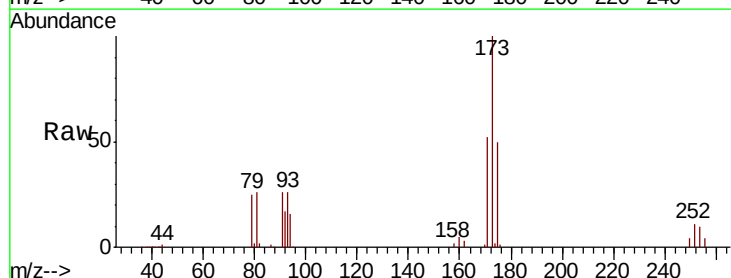
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

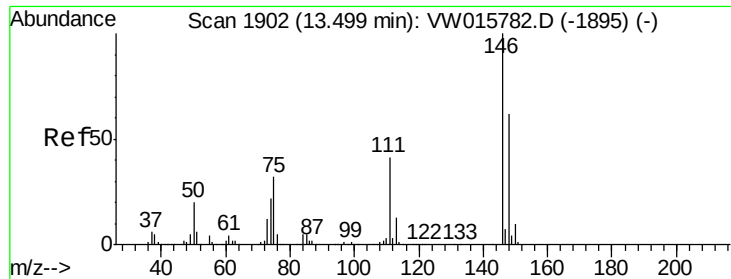
Tot Ion: 75 Resp: 74684
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.1 39.1



#62
 Bromoform
 Concen: 27.731 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

Tgt Ion: 173 Resp: 52422
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.4 59.2
 254 10.2 8.2 12.2

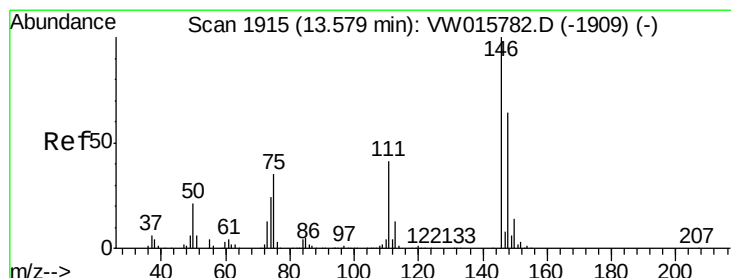
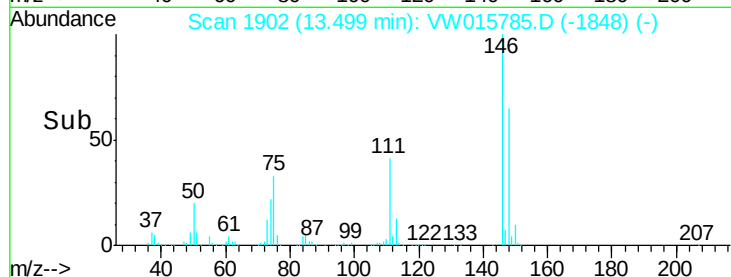
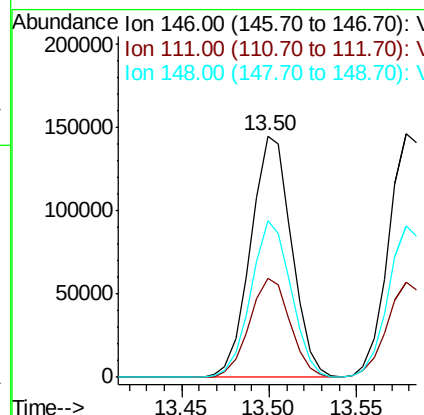
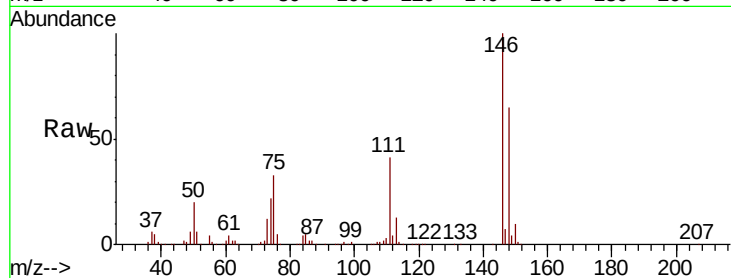




#63
 1,3-Dichlorobenzene
 Concen: 26.929 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

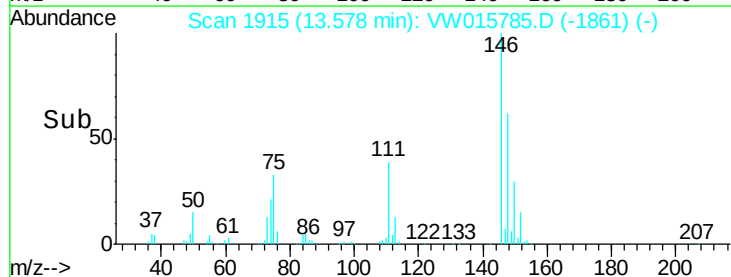
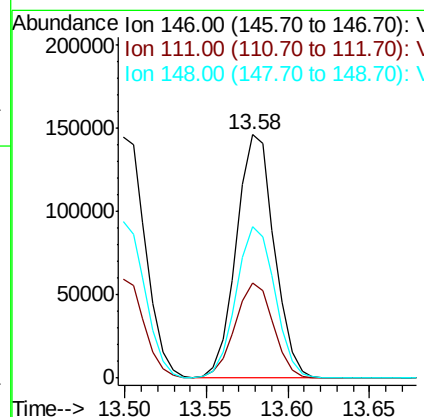
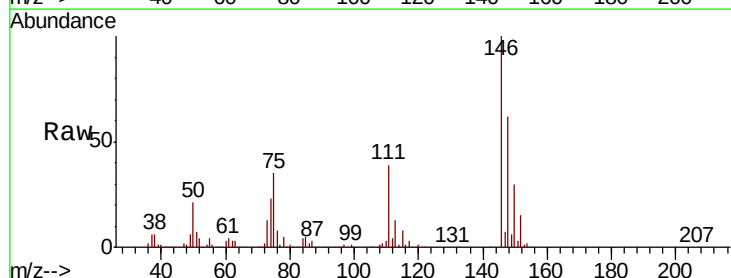
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

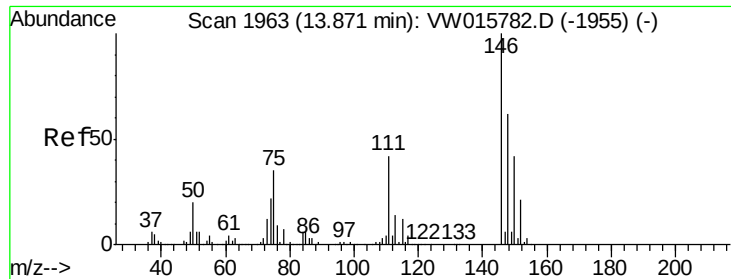
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.8	53.6
148	64.9	43.6	81.0



#64
 1,4-Dichlorobenzene
 Concen: 27.190 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.8	51.6
148	62.4	46.0	85.4

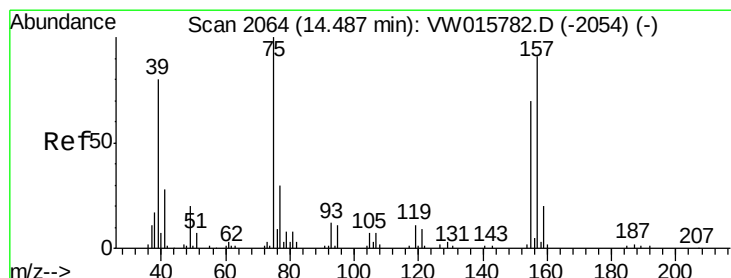
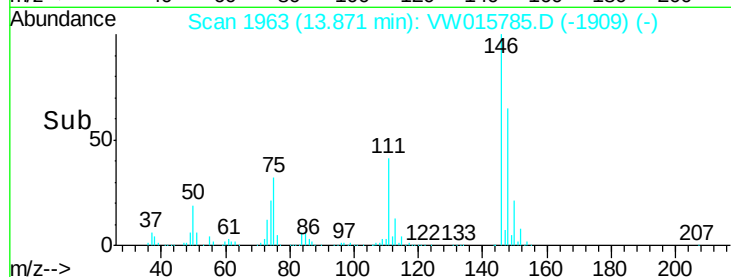
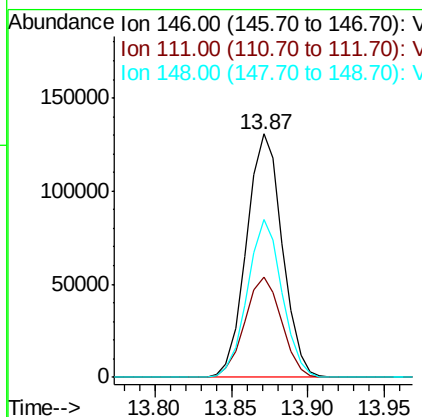
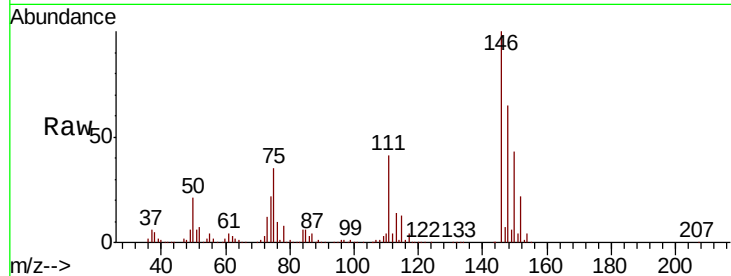




#65
 1,2-Dichlorobenzene
 Concen: 27.537 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

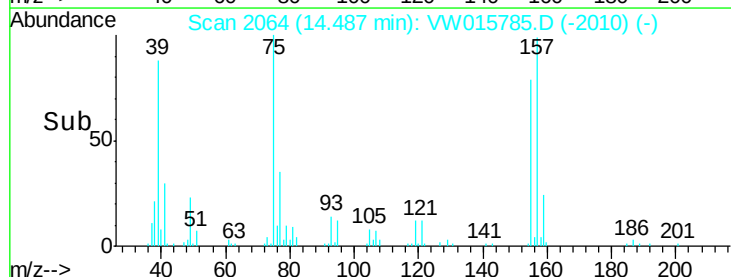
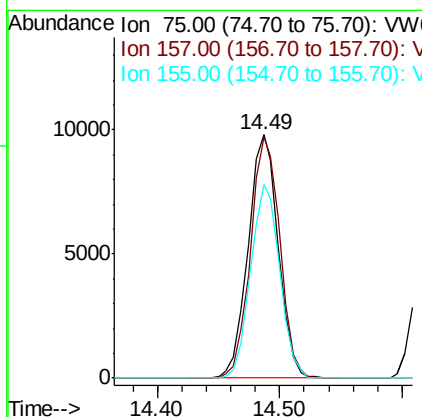
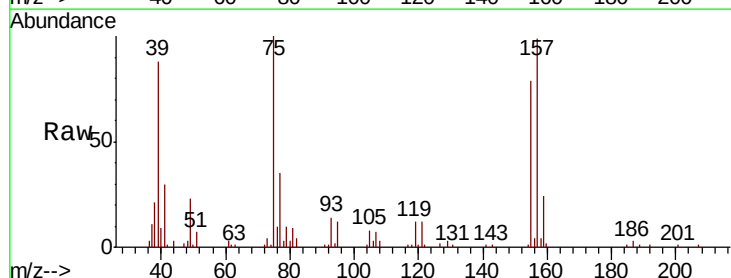
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

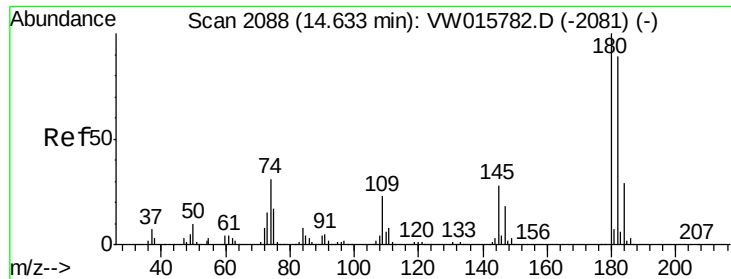
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	35.5	53.3
148	64.6	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.280 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
157	99.2	83.2	124.8
155	79.3	64.2	96.4

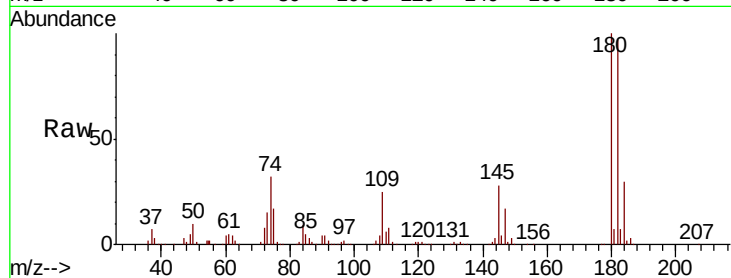




#67
 1,3,5-Trichlorobenzene
 Concen: 28.123 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.1	114.1
184	30.3	24.2	36.2
145	29.3	23.8	35.6



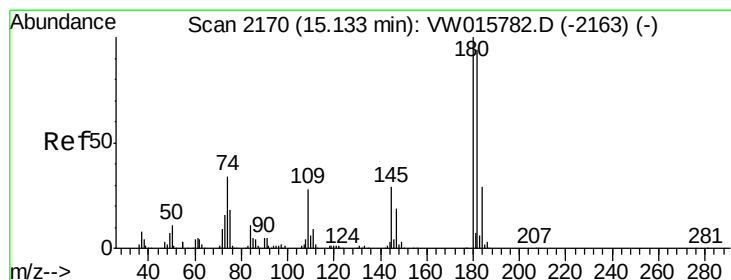
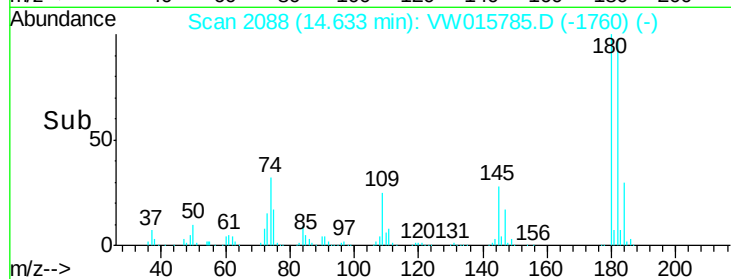
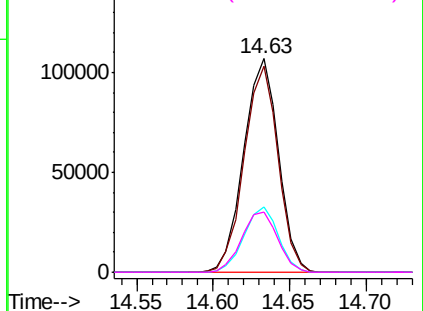
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

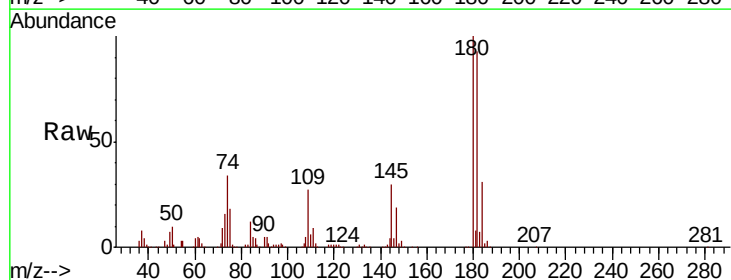
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.750 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015785.D
 Acq: 06 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.5	113.3
145	30.4	24.6	37.0

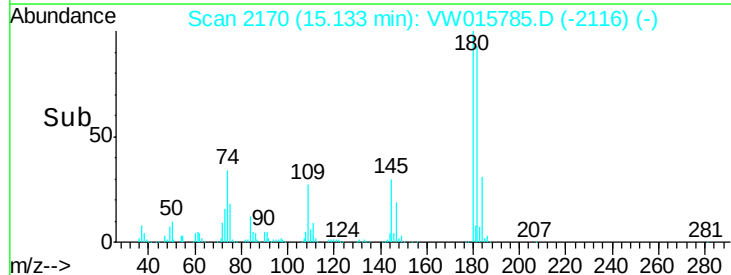
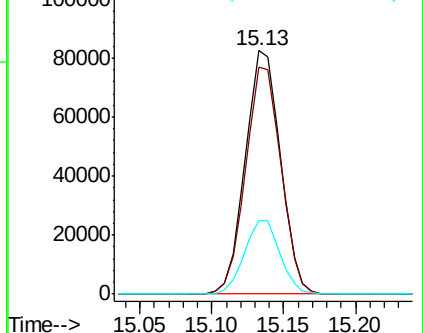


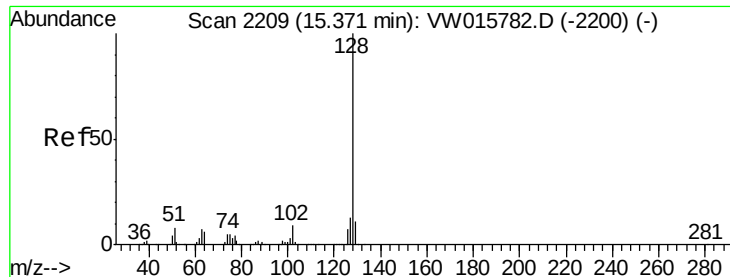
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.578 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

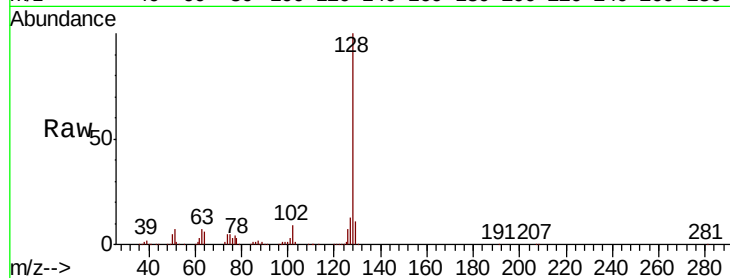
Tot Ion:128 Resp: 261759

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

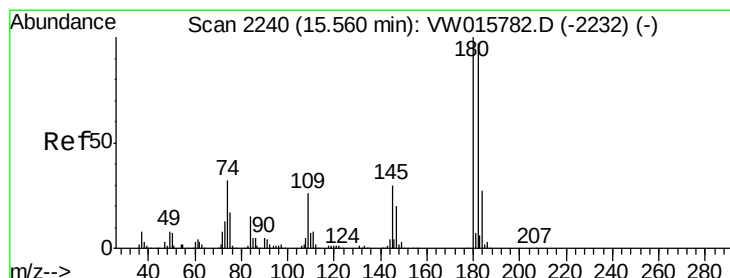
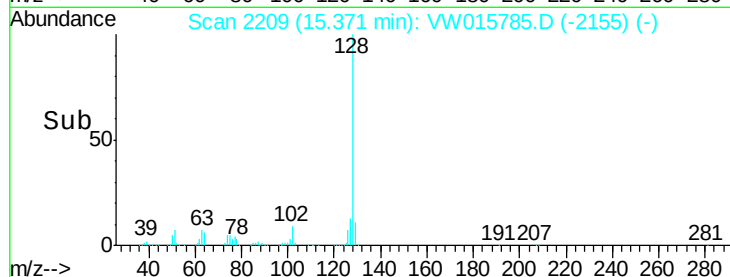
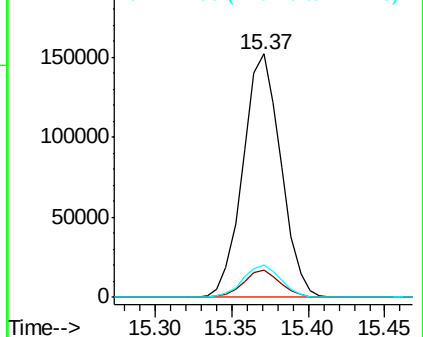
127 13.3 10.6 16.0



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: 29.123 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015785.D

Acq: 06 Jul 2020 14:40

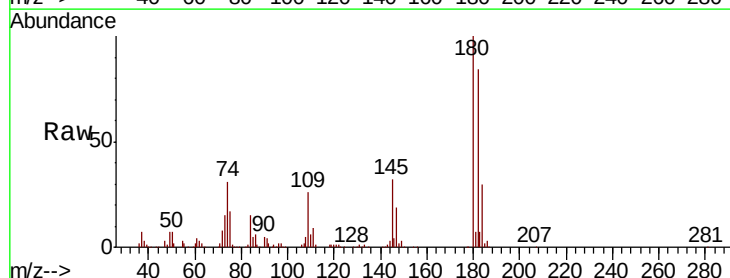
Tgt Ion:180 Resp: 121789

Ion Ratio Lower Upper

180 100

182 92.2 75.5 113.3

145 31.9 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

