

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112420\
 Data File : VW017481.D
 Acq On : 24 Nov 2020 18:42
 Operator : SY/VA
 Sample : L4853-02RE
 Misc : 4.83G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 25 01:48:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 01:45:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	496783	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	350945	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	97894	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	158660	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.12%
7) Chloroethane-d5	2.89	69	128425	23.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.16%
10) 1,1-Dichloroethene-d2	4.03	63	254196	17.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.88%
20) 2-Butanone-d5	7.09	46	75955	55.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.22%
24) Chloroform-d	7.65	84	340113	24.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	8.31	65	179135	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.48%
29) Benzene-d6	8.27	84	663239	30.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.92%
33) 1,2-Dichloropropane-d6	9.27	67	191659	32.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	128.40%#
37) Toluene-d8	10.33	98	517761	26.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.40%
38) trans-1,3-Dichloropropene-	10.58	79	76952	28.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	115.36%
39) 2-Hexanone-d5	10.93	63	57369	77.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	155.24%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118364	27.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	92857	25.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1951	0.276	ug/L #	35
13) Acetone	4.14	43	8392	6.328	ug/L	97
16) Methylene chloride	4.93	84	11853	1.589	ug/L	90
21) 2-Butanone	7.18	43	1287	0.811	ug/L	83
36) Methylcyclohexane	9.34	83	2477	0.256	ug/L #	65
44) Toluene	10.39	91	10576	0.466	ug/L	91
45) trans-1,3-Dichloropropene	10.58	75	3905	0.594	ug/L	87
46) 1,1,2-Trichloroethane	10.76	97	2885	0.777	ug/L #	20
49) 2-Hexanone	10.98	43	765	0.475	ug/L #	72
55) o-xylene	12.16	106	3430	0.375	ug/L	85
57) Isopropylbenzene	12.47	105	6948	0.277	ug/L #	64
59) 1,2,3-Trichloropropane	13.56	75	11906	4.037	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.51	75	2059	5.817	ug/L #	9
68) 1,2,4-trichlorobenzene	15.13	180	1597	0.437	ug/L #	1
69) Naphthalene	15.36	128	137062	24.282	ug/L #	93
70) 1,2,3-Trichlorobenzene	15.57	180	2520	0.826	ug/L #	25

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Quant Title : VOC Analysis
QLast Update : Wed Nov 25 01:45:49 2020
Response via : Initial Calibration

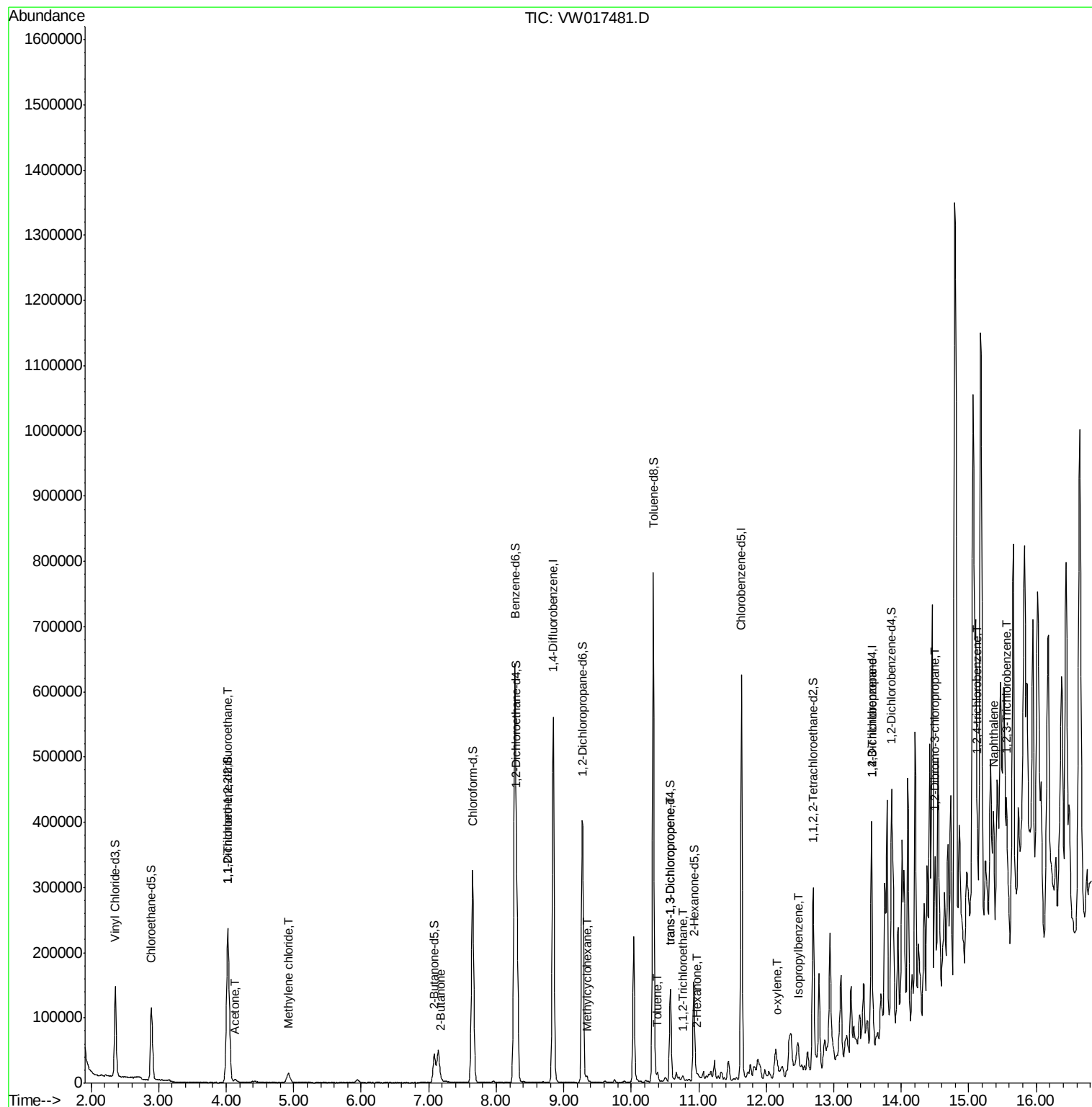
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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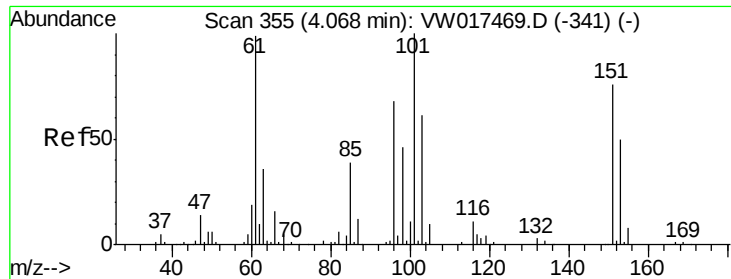
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112420\
Data File : VW017481.D
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Operator : SY/VA
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
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Response via : Initial Calibration





#11

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

Concen: 0.276 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017481.D

Acq: 24 Nov 2020 18:42

Instrument :

MSVOA_W

ClientSampled :

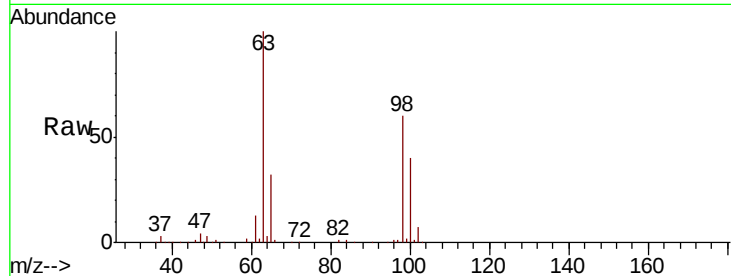
Tot Ion:101 Resp: 1951

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

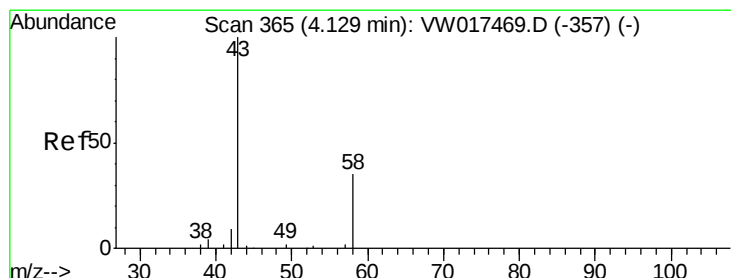
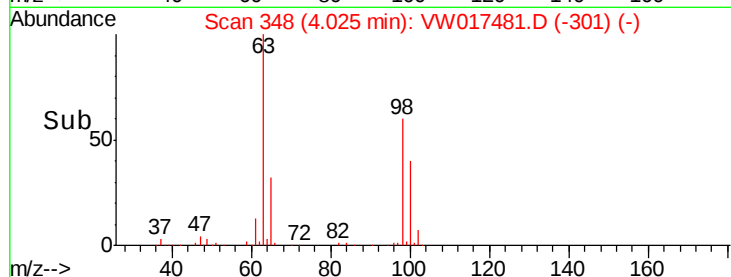
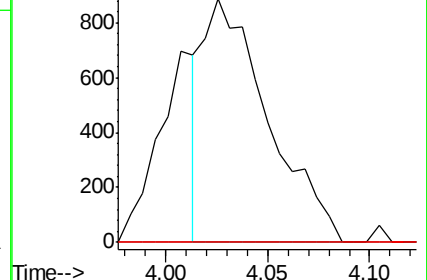
151 0.0 30.4 45.6#



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



#13

Acetone

Concen: 6.328 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017481.D

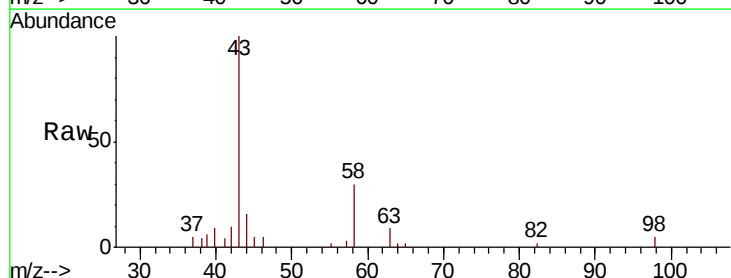
Acq: 24 Nov 2020 18:42

Tgt Ion: 43 Resp: 8392

Ion Ratio Lower Upper

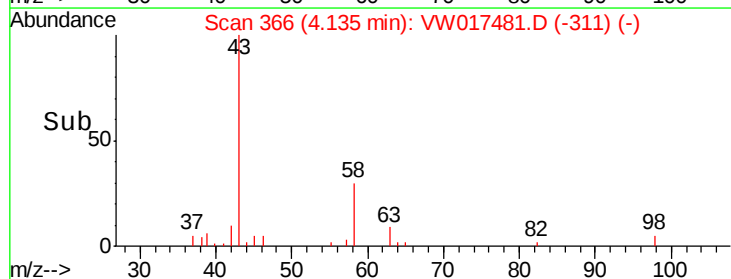
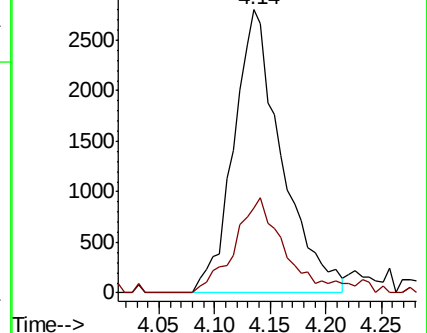
43 100

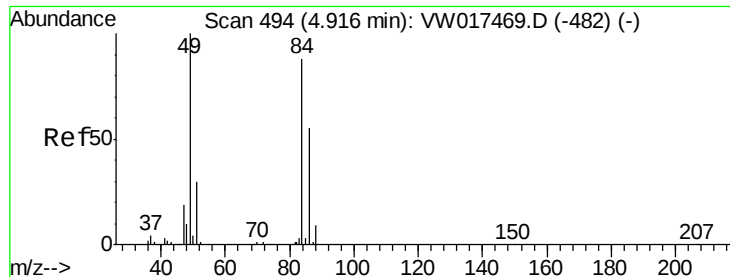
58 32.7 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

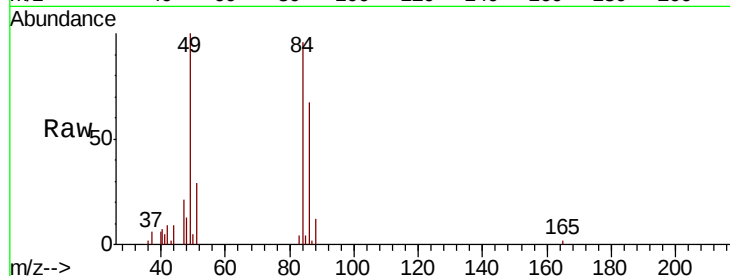




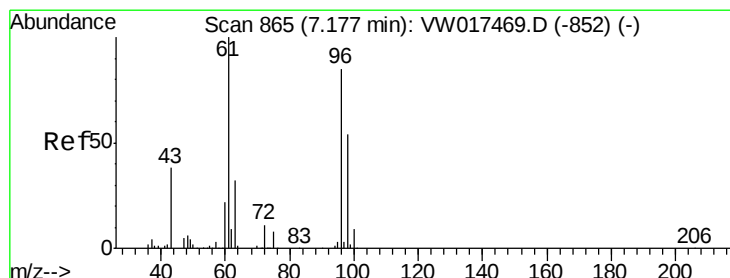
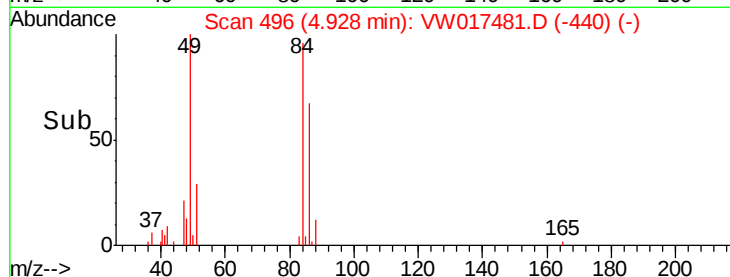
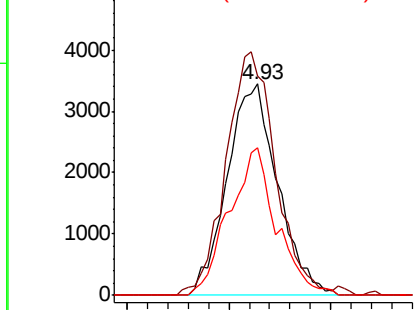
#16
Methvlene chloride
Concen: 1.589 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017481.D
Acq: 24 Nov 2020 18:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 11853
Ion Ratio Lower Upper
84 100
49 103.7 81.2 150.8
86 69.9 44.5 82.7

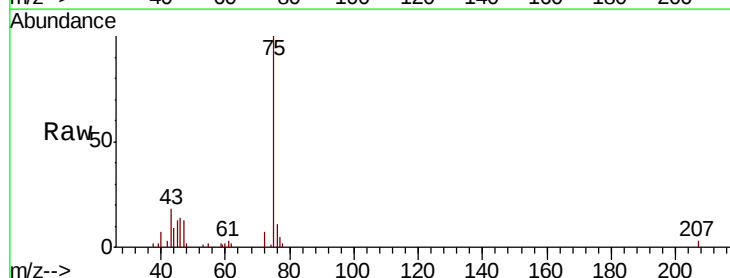


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

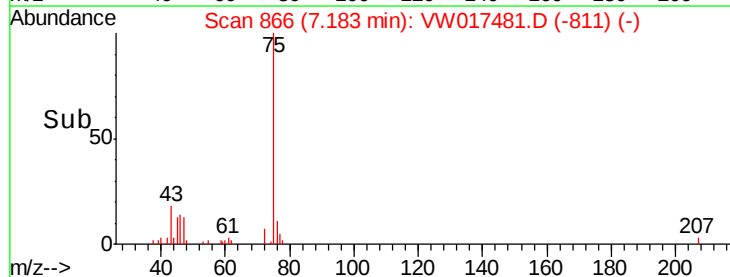
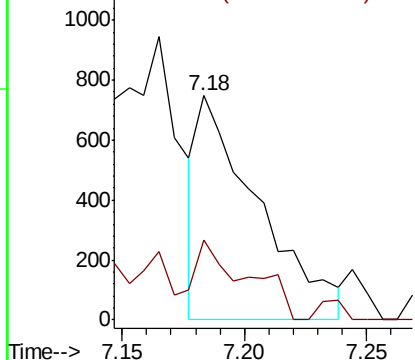


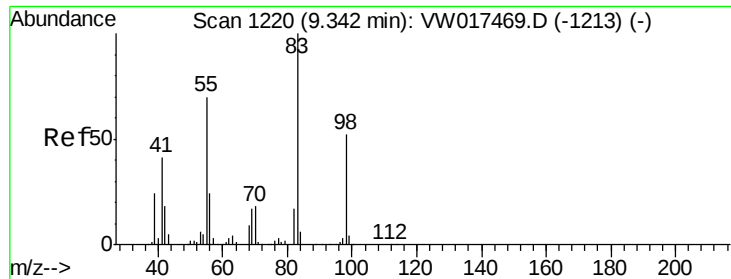
#21
2-Butanone
Concen: 0.811 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW017481.D
Acq: 24 Nov 2020 18:42

Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
72 19.5 14.4 43.2



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

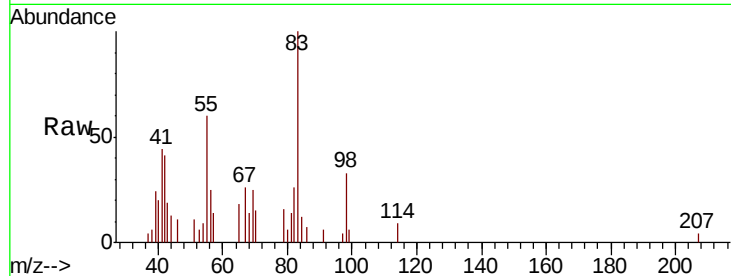




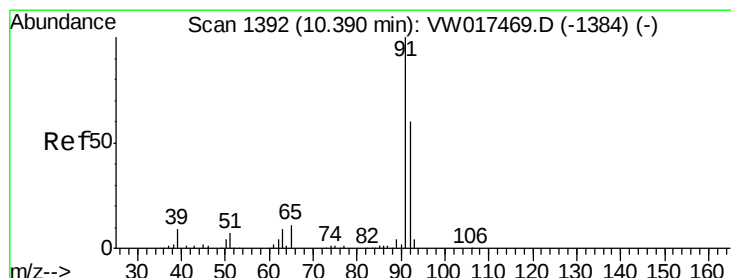
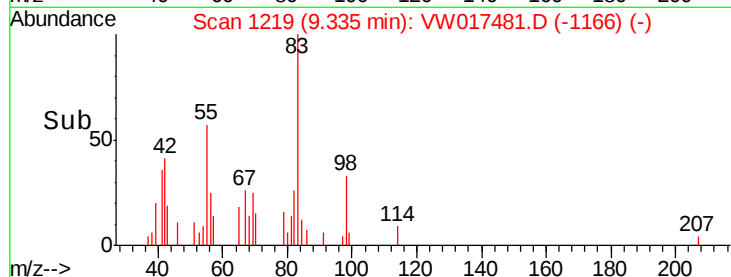
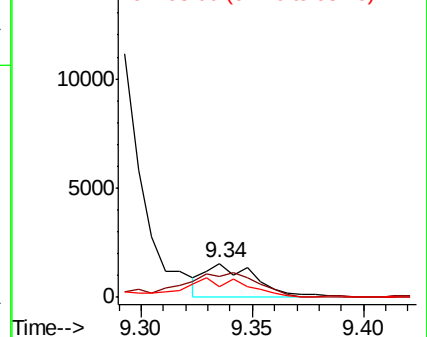
#36
Methvlcvclohexane
Concen: 0.256 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW017481.D
Acq: 24 Nov 2020 18:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 2477
Ion Ratio Lower Upper
83 100
55 102.1 59.4 89.0#
98 24.3 40.7 61.1#

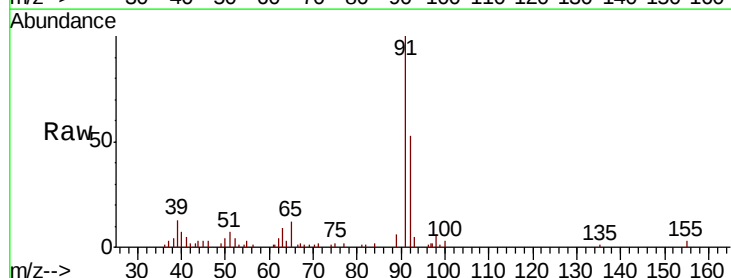


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

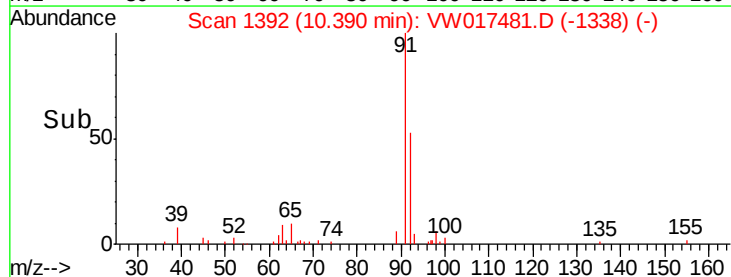
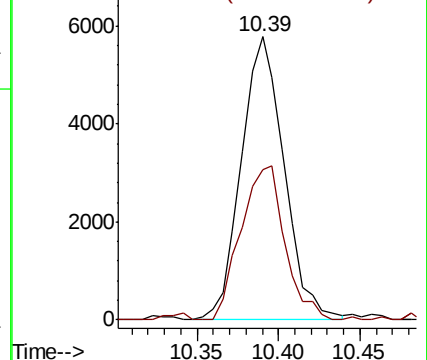


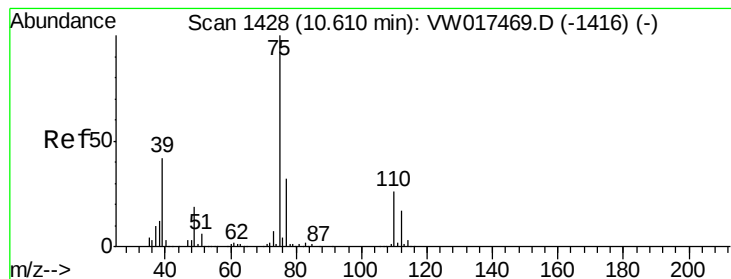
#44
Toluene
Concen: 0.466 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017481.D
Acq: 24 Nov 2020 18:42

Tgt Ion: 91 Resp: 10576
Ion Ratio Lower Upper
91 100
92 52.9 41.6 77.3



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: 0.594 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017481.D

Acq: 24 Nov 2020 18:42

Instrument :

MSVOA_W

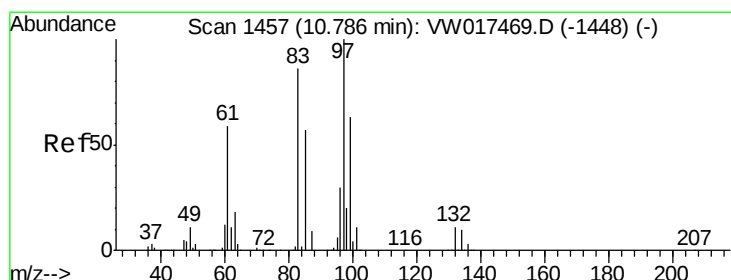
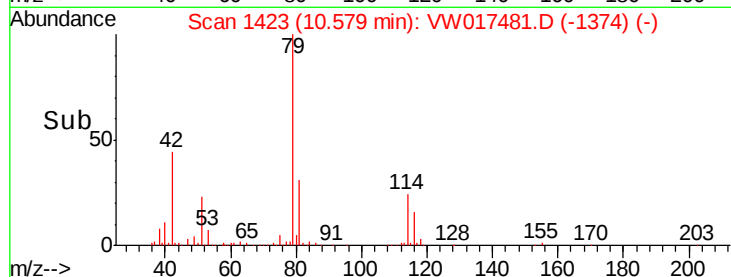
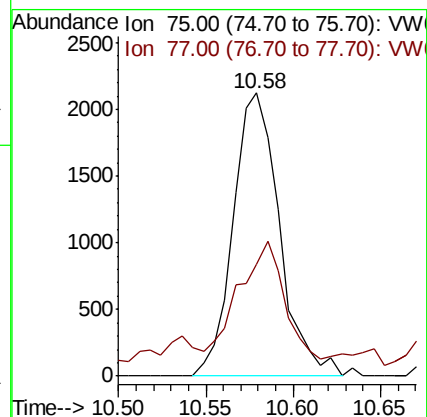
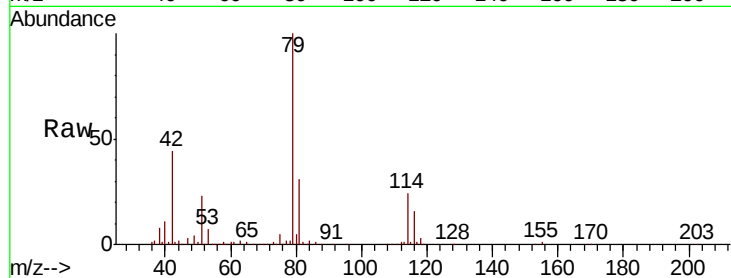
ClientSampleId :

Tot Ion: 75 Resp: 3905

Ion Ratio Lower Upper

75 100

77 39.5 22.6 42.0



#46

1,1,2-Trichloroethane

Concen: 0.777 ug/L

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW017481.D

Acq: 24 Nov 2020 18:42

Tgt Ion: 97 Resp: 2885

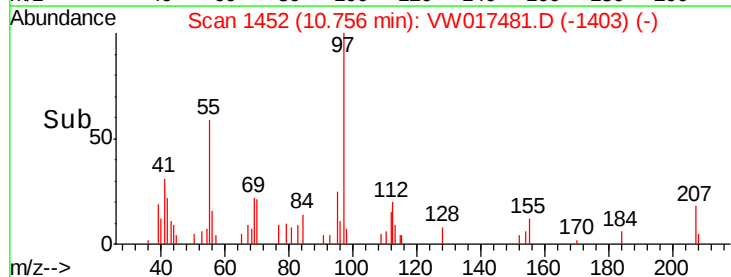
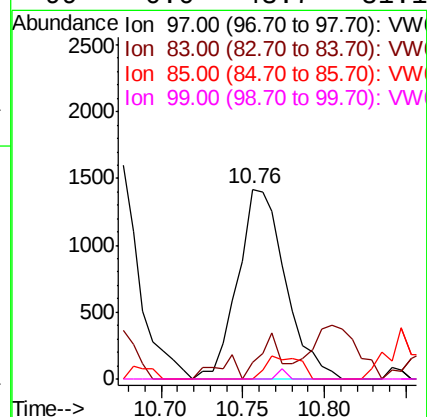
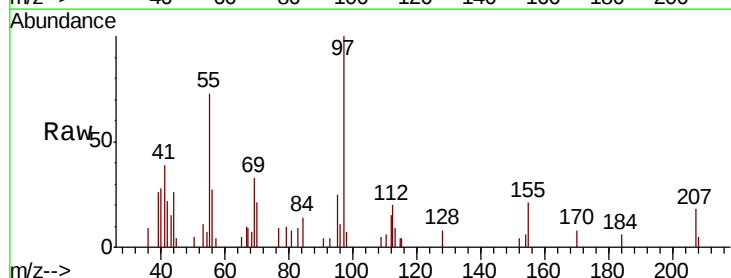
Ion Ratio Lower Upper

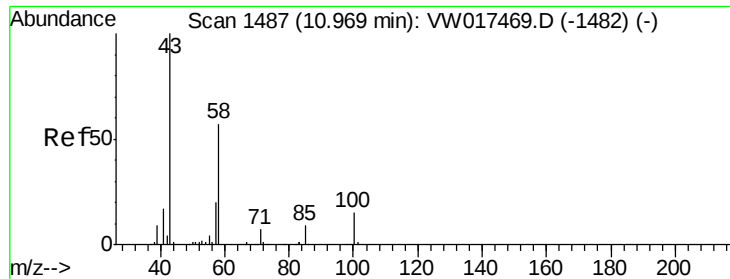
97 100

83 8.7 58.5 108.7#

85 0.0 37.8 70.2#

99 0.0 43.7 81.1#





#49

2-Hexanone

Concen: 0.475 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017481.D

Acq: 24 Nov 2020 18:42

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 765

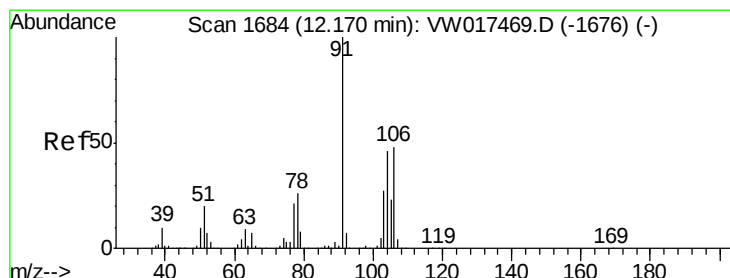
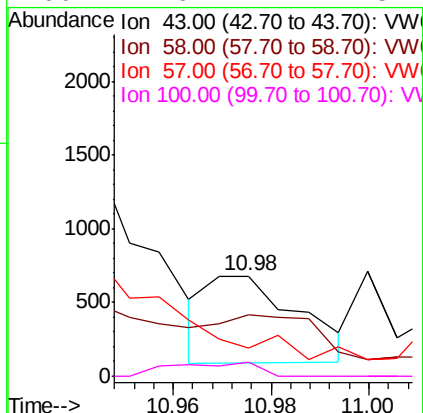
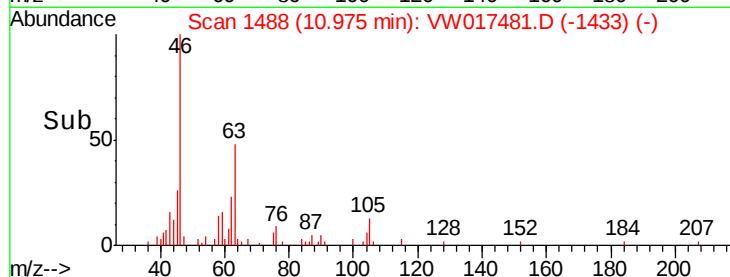
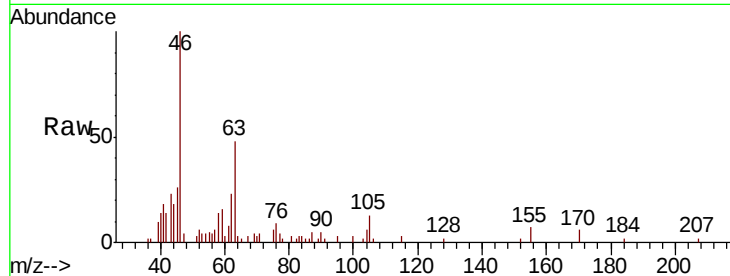
Ion Ratio Lower Upper

43 100

58 88.1 51.3 76.9#

57 9.2 15.0 22.6#

100 4.6 12.2 18.2#



#55

o-xylene

Concen: 0.375 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017481.D

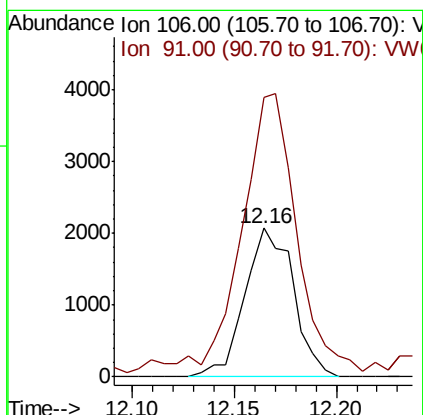
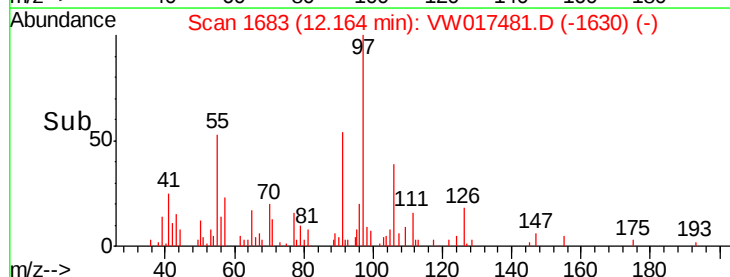
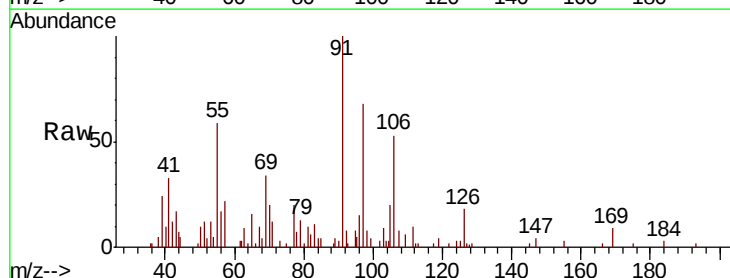
Acq: 24 Nov 2020 18:42

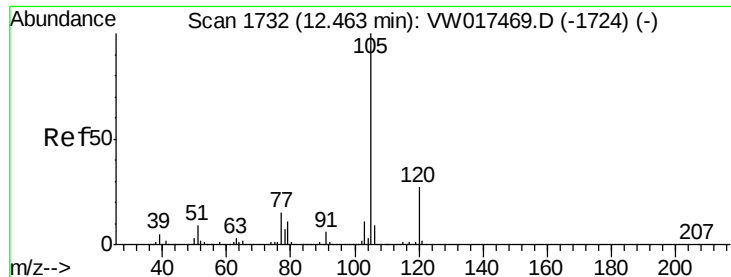
Tgt Ion: 106 Resp: 3430

Ion Ratio Lower Upper

106 100

91 187.7 147.6 274.2





#57

Isopropylbenzene

Concen: 0.277 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017481.D

Acq: 24 Nov 2020 18:42

Instrument :

MSVOA_W

ClientSampled :

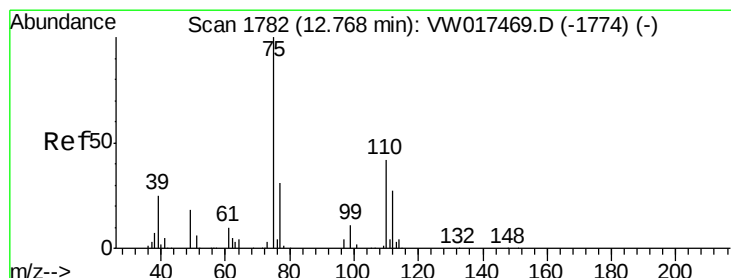
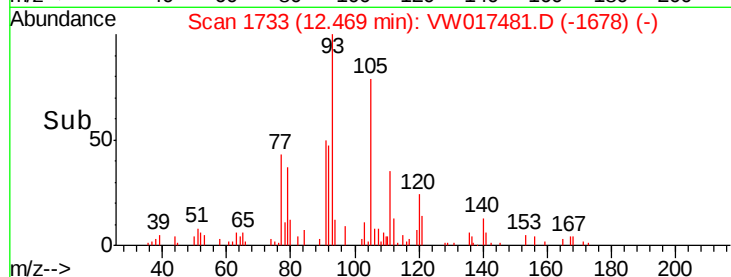
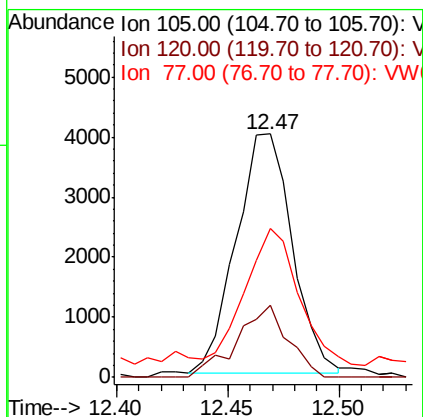
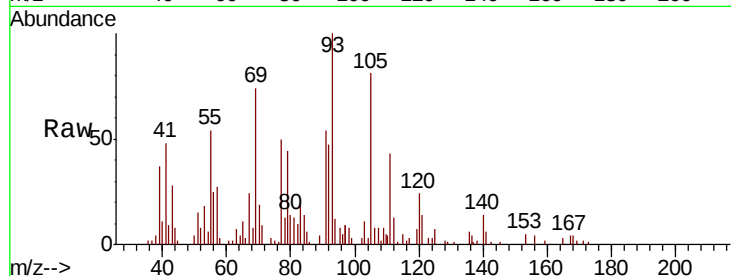
Tot Ion:105 Resp: 6948

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.2

77 55.6 12.1 18.1#



#59

1,2,3-Trichloropropane

Concen: 4.037 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017481.D

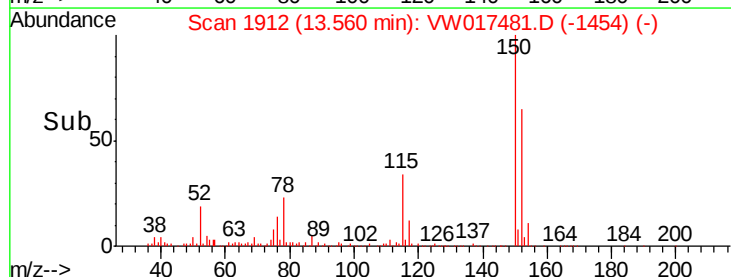
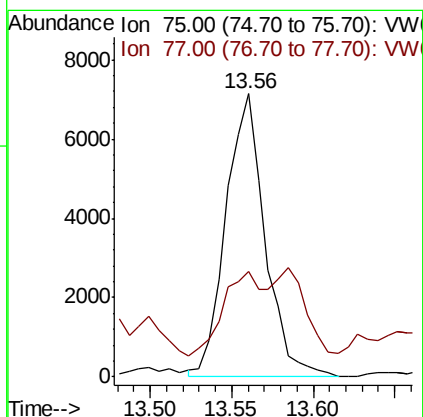
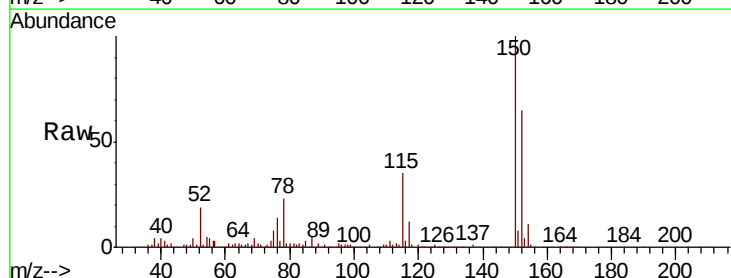
Acq: 24 Nov 2020 18:42

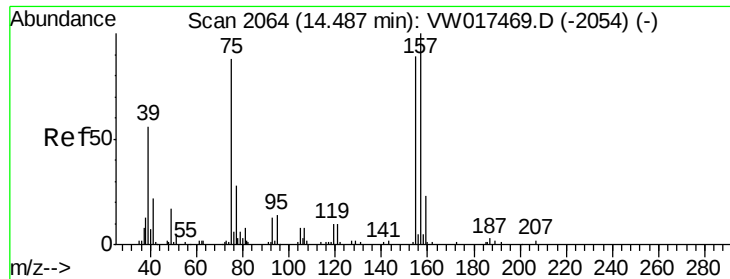
Tgt Ion: 75 Resp: 11906

Ion Ratio Lower Upper

75 100

77 32.3 26.6 39.8

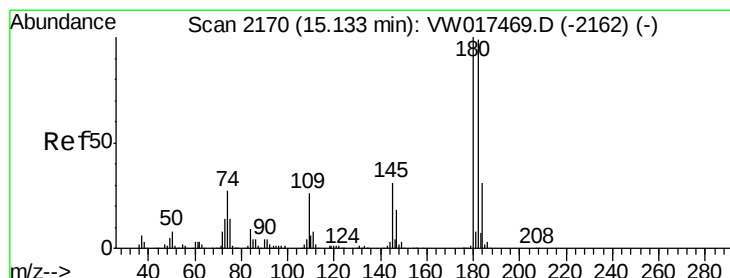
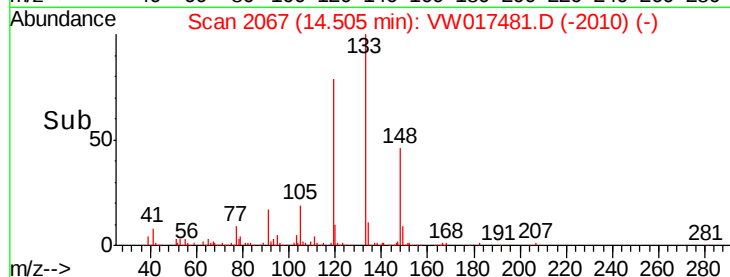
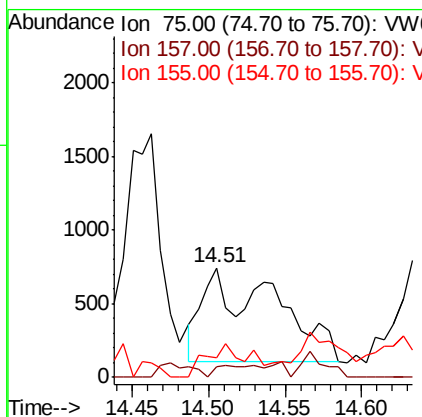
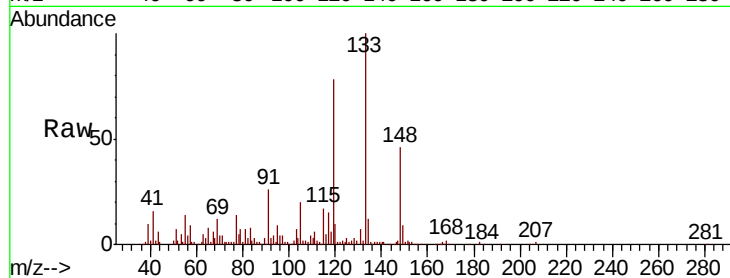




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.817 ug/L
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.02 min
 Lab File: VW017481.D
 Acq: 24 Nov 2020 18:42

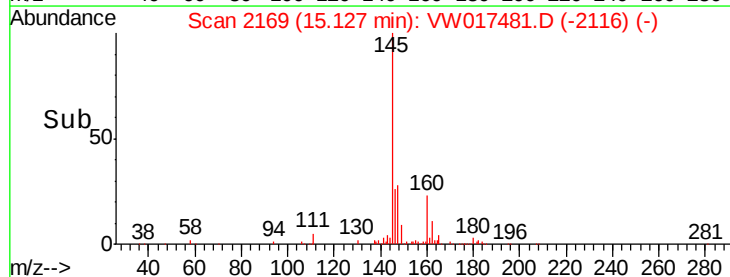
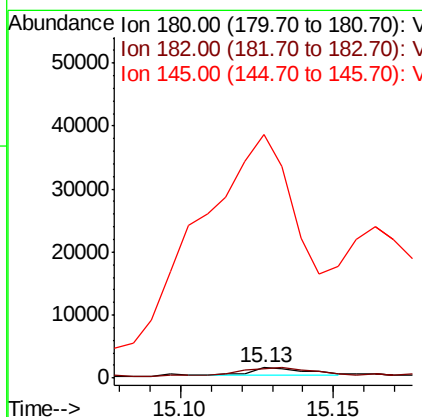
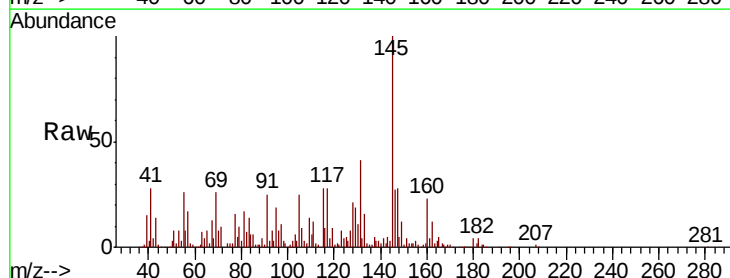
Instrument :
 MSVOA_W
 ClientSampleId :

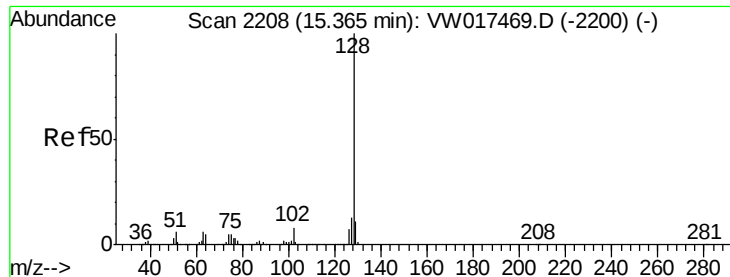
Tot Ion: 75 Resp: 2059
 Ion Ratio Lower Upper
 75 100
 157 10.2 99.9 149.9#
 155 17.6 71.4 107.0#



#68
 1,2,4-trichlorobenzene
 Concen: 0.437 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017481.D
 Acq: 24 Nov 2020 18:42

Tgt Ion: 180 Resp: 1597
 Ion Ratio Lower Upper
 180 100
 182 165.2 71.3 106.9#
 145 5707.5 24.0 36.0#





#69

Naphthalene

Concen: 24.282 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017481.D

Acq: 24 Nov 2020 18:42

Instrument :

MSVOA_W

ClientSampled :

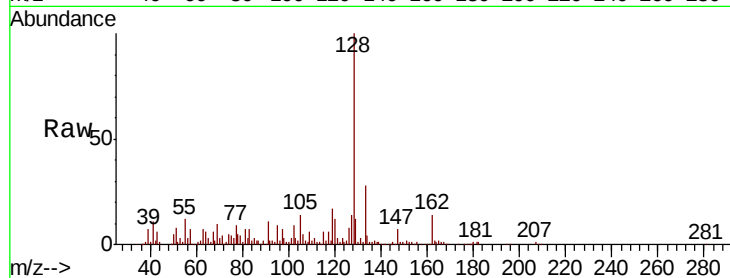
Tot Ion:128 Resp: 137062

Ion Ratio Lower Upper

128 100

129 8.1 8.7 13.1#

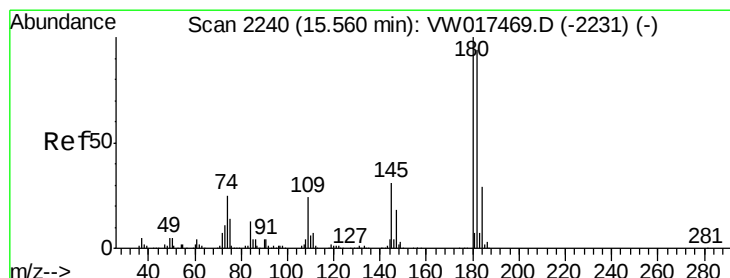
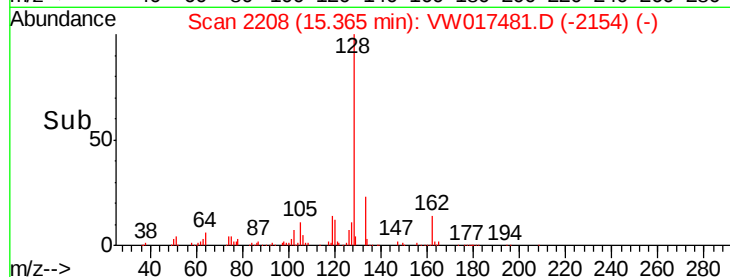
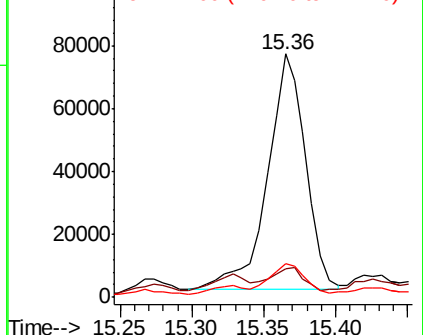
127 10.7 10.7 16.1#



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: 0.826 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW017481.D

Acq: 24 Nov 2020 18:42

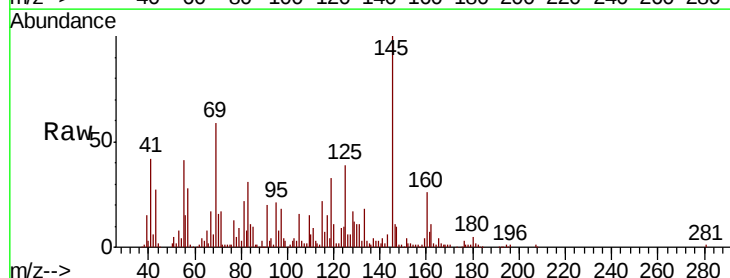
Tgt Ion:180 Resp: 2520

Ion Ratio Lower Upper

180 100

182 15.4 74.7 112.1#

145 0.0 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

