

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017309.D
 Acq On : 02 Jul 2020 14:32
 Operator : SY/MD
 Sample : L3154-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4307

Quant Time: Jul 20 02:16:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 01:13:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	183960	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	173068	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	90188	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54970	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.58	69	39170	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.13	63	86619	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	3.92	46	101855	36.20	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.40%
24) Chloroform-d	4.38	84	108399	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.06	65	57025	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.08	84	190503	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.10	67	58490	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.34	98	170036	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
45) trans-1,3-Dichloropropene-	7.65	79	21200	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
48) 2-Hexanone-d5	8.11	63	74123	34.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.50%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40659	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	75553	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

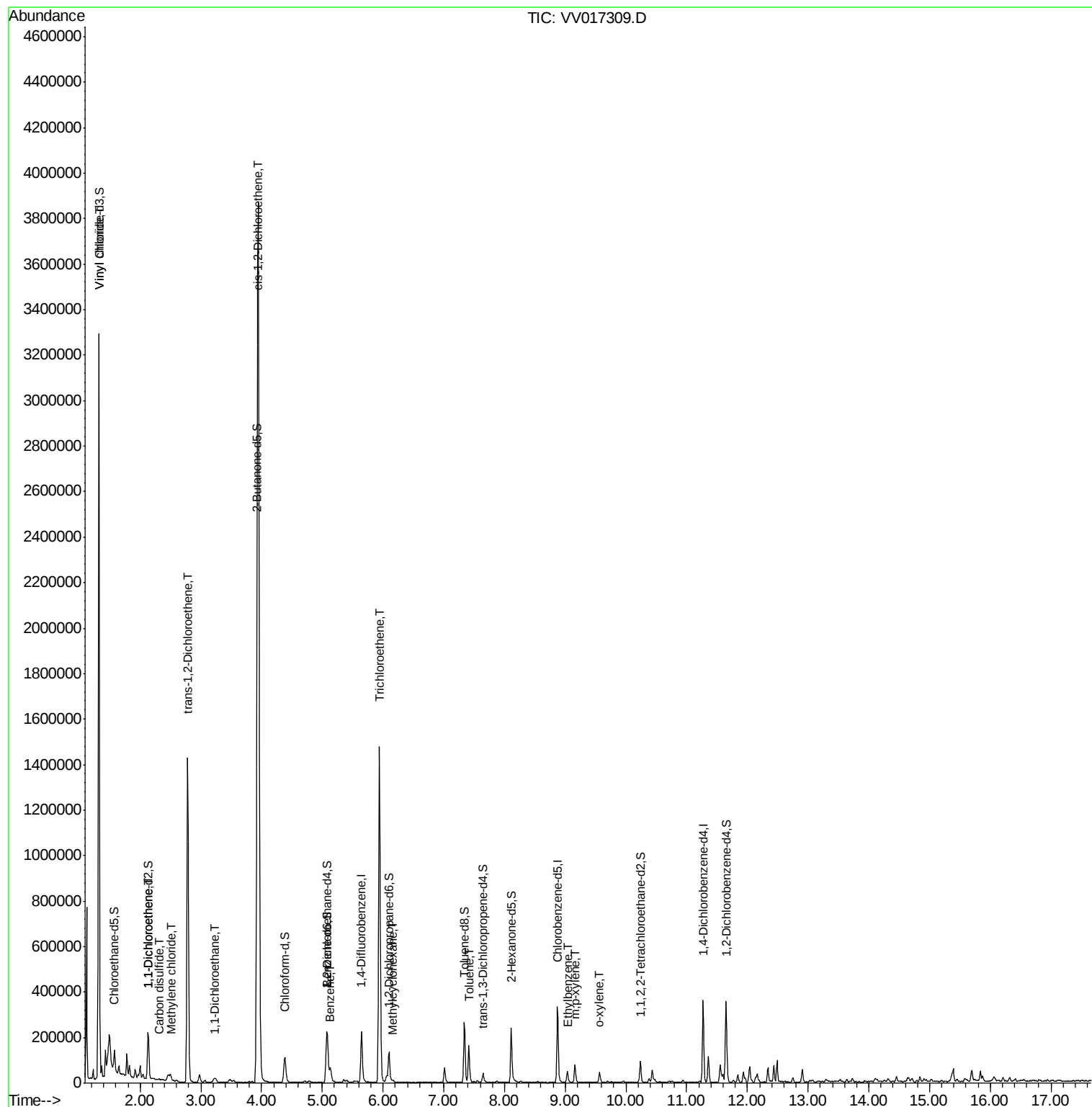
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1887702	156.379	ug/L	99
12) 1,1-Dichloroethene	2.14	96	33050	3.743	ug/L	94
14) Carbon disulfide	2.32	76	6097	0.230	ug/L #	93
16) Methylene chloride	2.53	84	1813	0.192	ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	521262	55.716	ug/L	98
19) 1,1-Dichloroethane	3.22	63	13791	0.656	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	2119722	165.683	ug/L	99
33) Benzene	5.13	78	65966	1.455	ug/L	100
34) Trichloroethene	5.94	95	485950	36.616	ug/L	99
35) Methylcyclohexane	6.16	83	1941	0.094	ug/L #	39
42) Toluene	7.41	91	111335	2.113	ug/L	97
54) Ethylbenzene	9.04	91	32867	0.584	ug/L	100
55) m,p-xylene	9.16	106	22459	1.018	ug/L	96
56) o-xylene	9.57	106	11736	0.570	ug/L	100

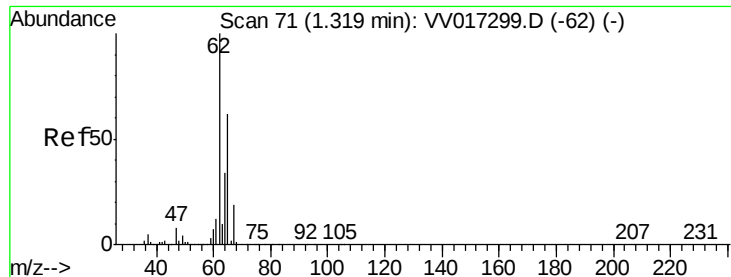
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4307

Quant Time: Jul 20 02:16:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 156.379 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

Instrument :

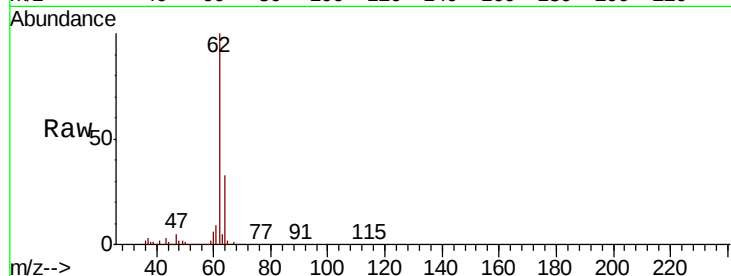
MSVOA_V

ClientSampleId :

H4307

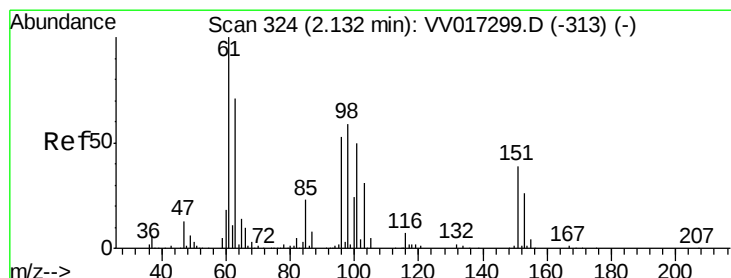
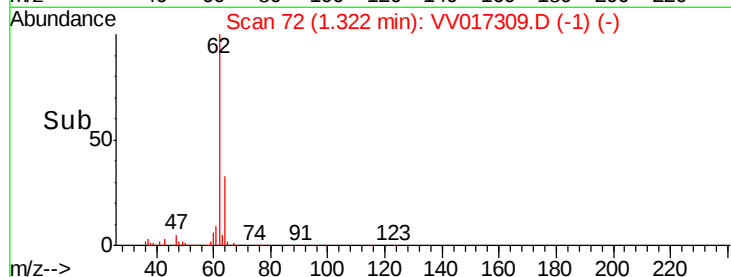
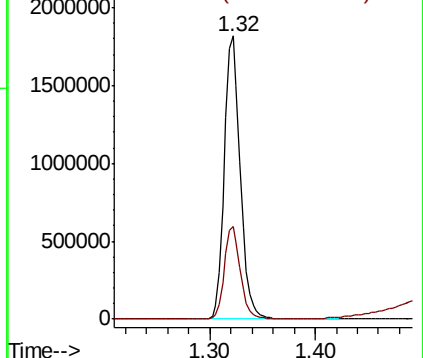
Tot Ion: 62 Resp: 1887702

Ion	Ratio	Lower	Upper
62	100		
64	32.7	22.5	41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 3.743 ug/L

RT: 2.14 min Scan# 326

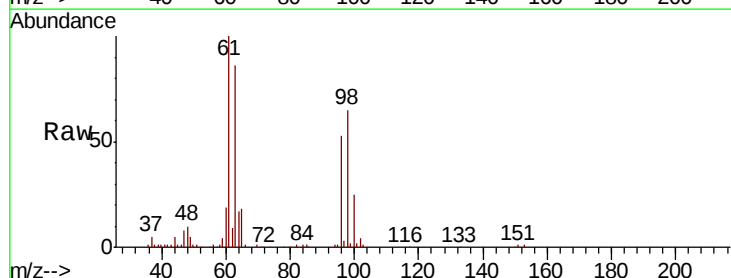
Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

Tgt Ion: 96 Resp: 33050

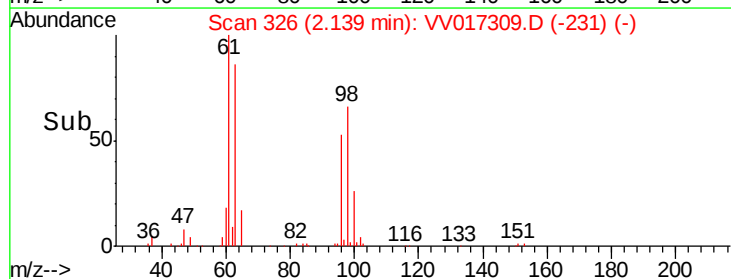
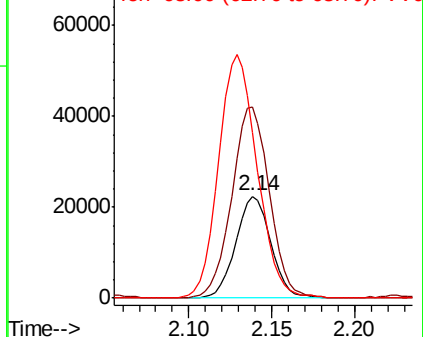
Ion	Ratio	Lower	Upper
96	100		
61	188.4	125.0	232.2
63	162.7	109.8	203.8

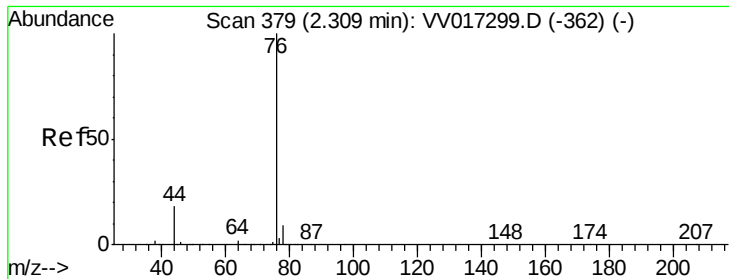


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.230 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

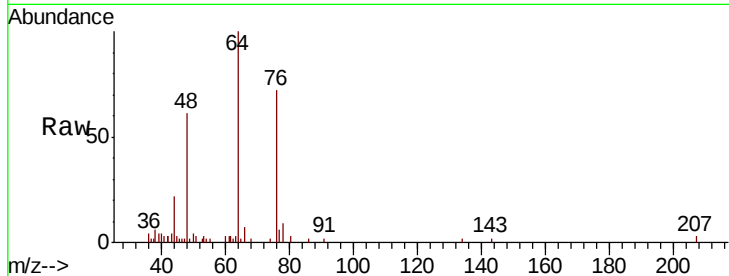
H4307

Tot Ion: 76 Resp: 6097

Ion Ratio Lower Upper

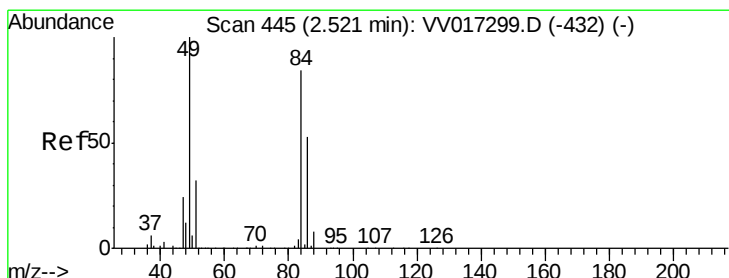
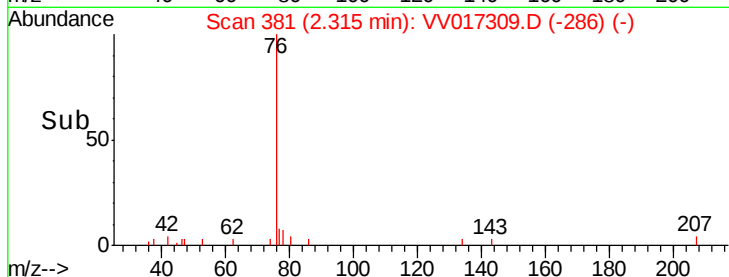
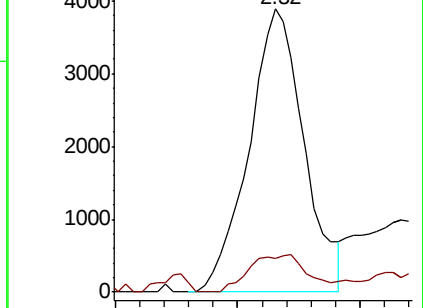
76 100

78 12.1 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV017299.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV017299.D (-362) (-)



#16

Methylene chloride

Concen: 0.192 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

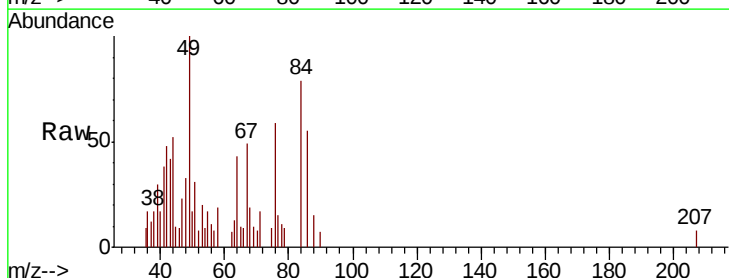
Tgt Ion: 84 Resp: 1813

Ion Ratio Lower Upper

84 100

86 69.4 45.8 85.0

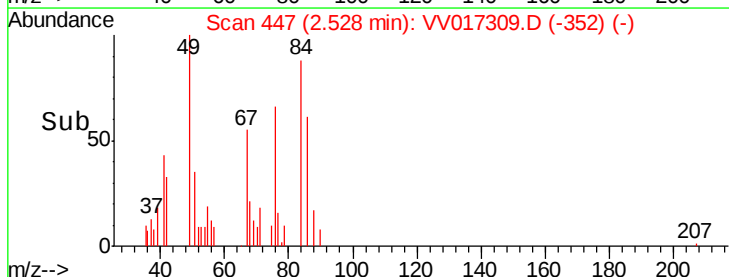
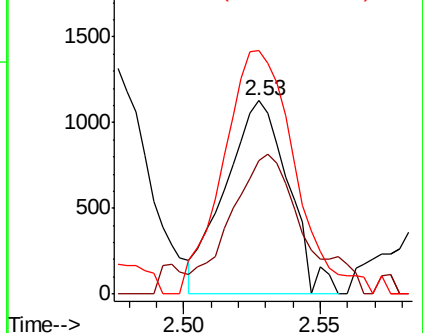
49 126.0 89.6 166.4

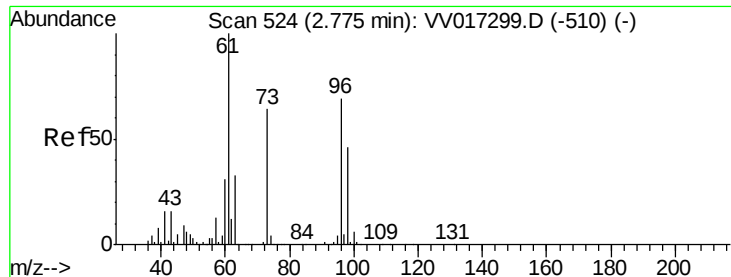


Abundance Ion 84.05 (83.75 to 84.75): VV017299.D (-432) (-)

Ion 86.00 (85.70 to 86.70): VV017299.D (-432) (-)

Ion 49.10 (48.80 to 49.80): VV017299.D (-432) (-)





#18

trans-1,2-Dichloroethene

Concen: 55.716 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

Instrument :

MSVOA_V

ClientSampled :

H4307

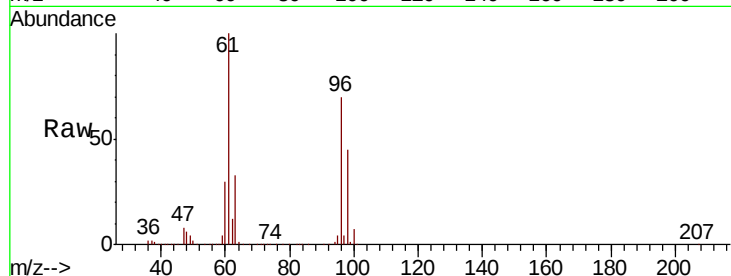
Tot Ion: 96 Resp: 521262

Ion Ratio Lower Upper

96 100

61 142.2 102.3 189.9

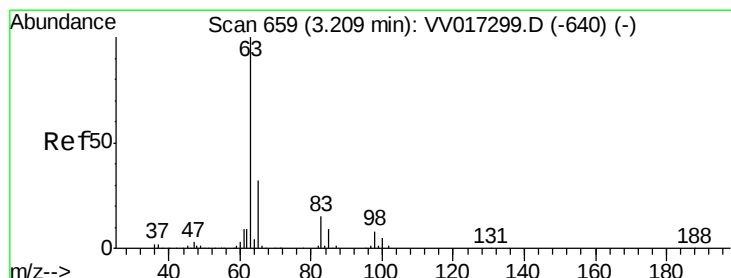
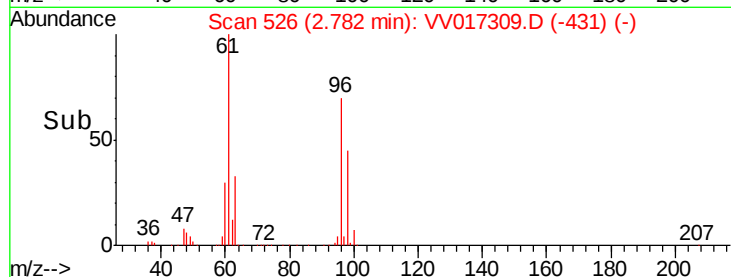
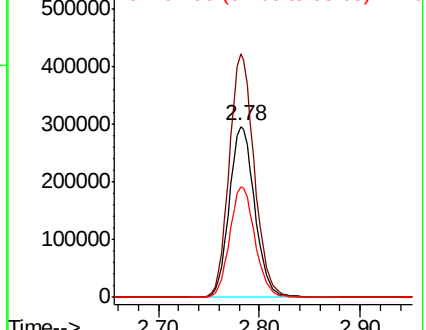
98 64.5 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.656 ug/L

RT: 3.22 min Scan# 662

Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

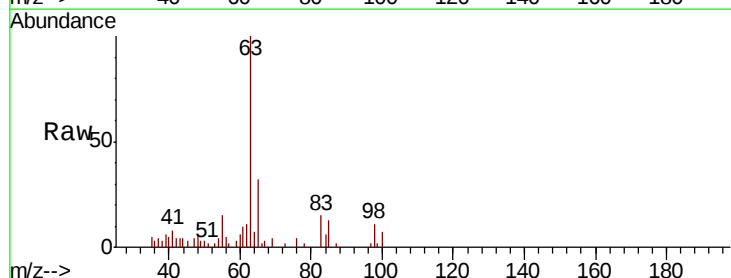
Tgt Ion: 63 Resp: 13791

Ion Ratio Lower Upper

63 100

65 32.3 21.8 40.4

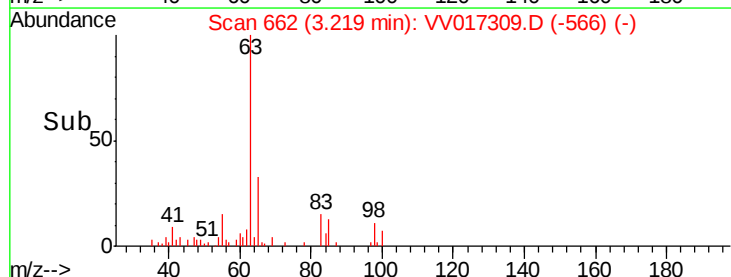
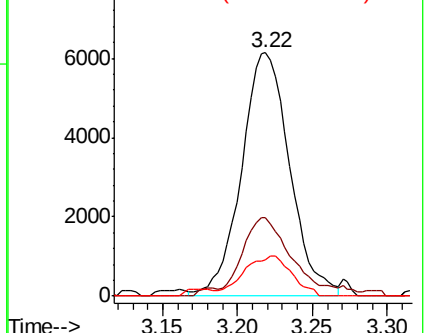
83 15.1 9.7 17.9

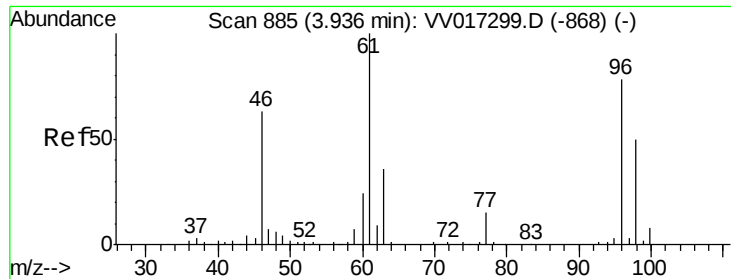


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



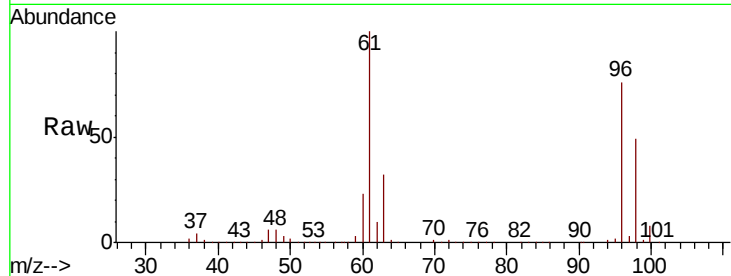


#22

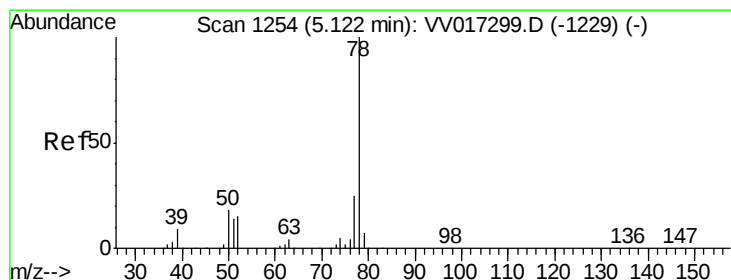
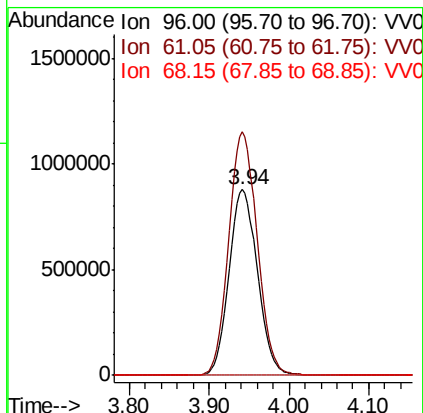
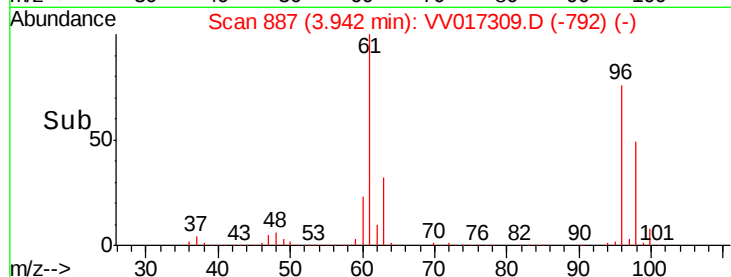
cis-1,2-Dichloroethene
Concen: 165.683 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017309.D
Acq: 02 Jul 2020 14:32

Instrument :
MSVOA_V
ClientSampleId :
H4307

Tot Ion: 96 Resp: 2119722
Ion Ratio Lower Upper
96 100
61 131.1 91.0 169.0
68 0.0 0.0 0.0



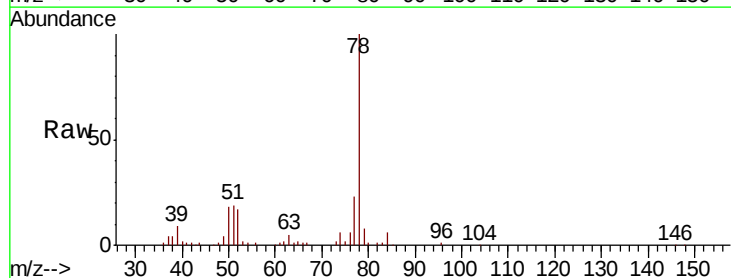
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



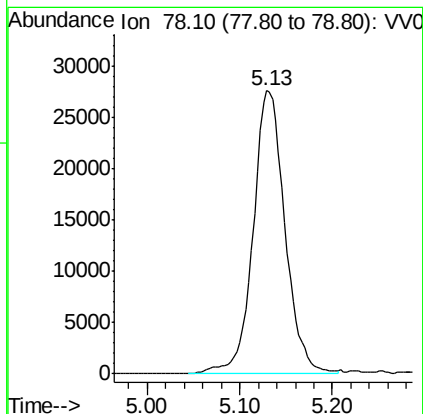
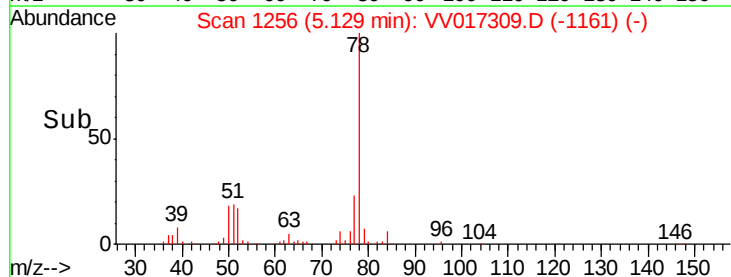
#33

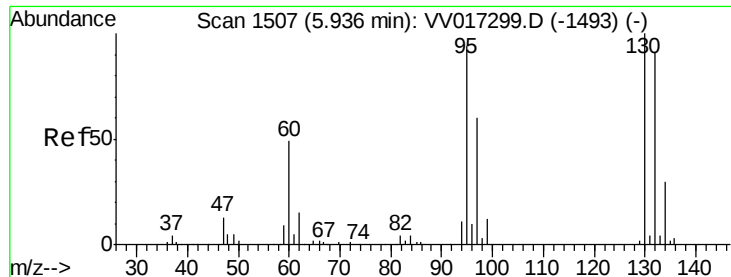
Benzene
Concen: 1.455 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017309.D
Acq: 02 Jul 2020 14:32

Tgt Ion: 78 Resp: 65966



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 36.616 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

H4307

Tot Ion: 95 Resp: 485950

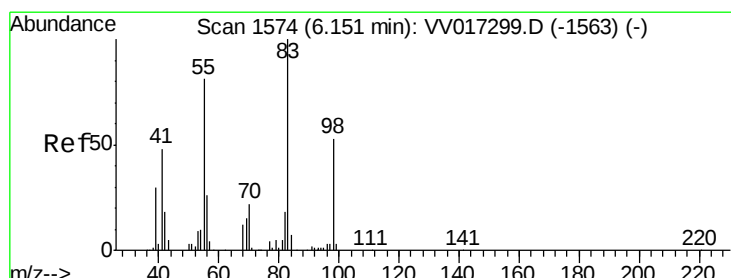
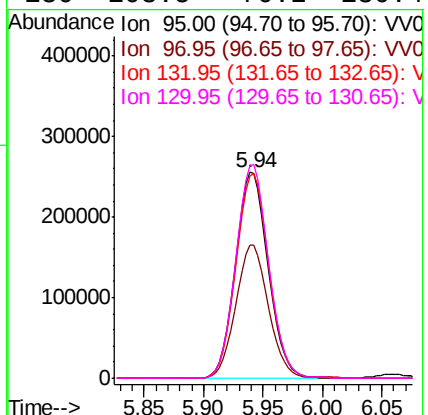
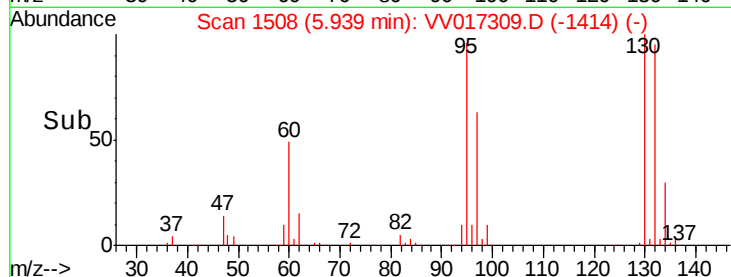
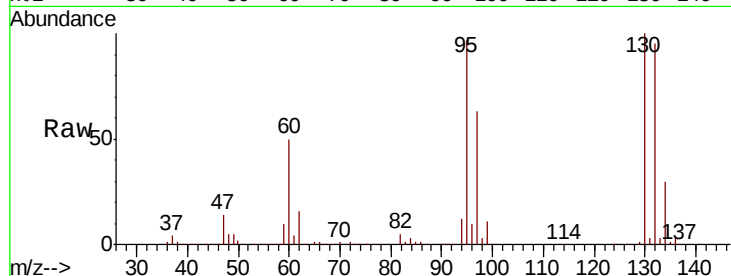
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 98.6 68.8 127.8

130 103.5 70.2 130.4



#35

Methylcyclohexane

Concen: 0.094 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

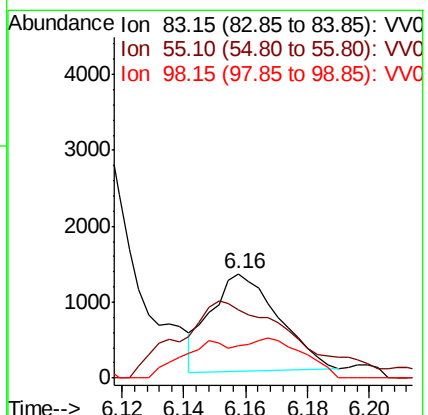
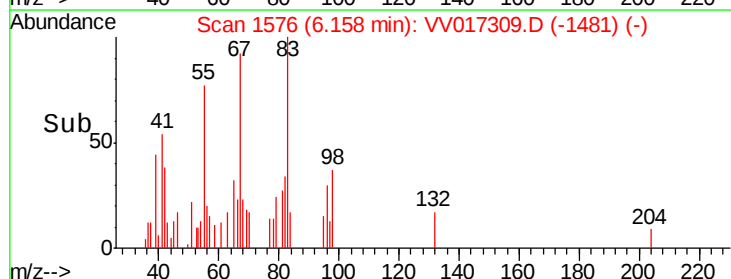
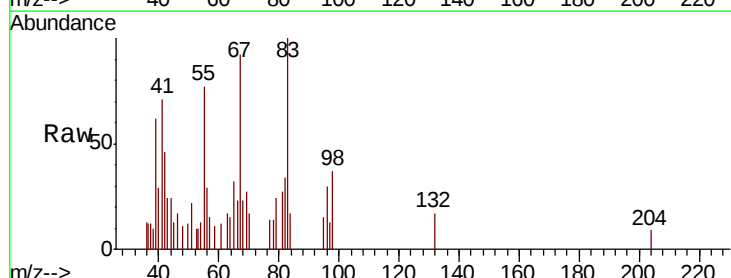
Tgt Ion: 83 Resp: 1941

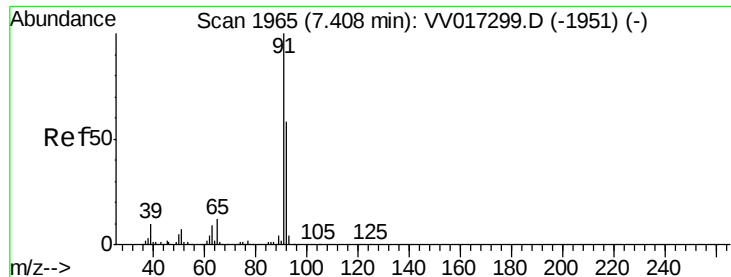
Ion Ratio Lower Upper

83 100

55 5.0 63.6 95.4#

98 34.1 38.8 58.2#





#42

Toluene

Concen: 2.113 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

Instrument :

MSVOA_V

ClientSampled :

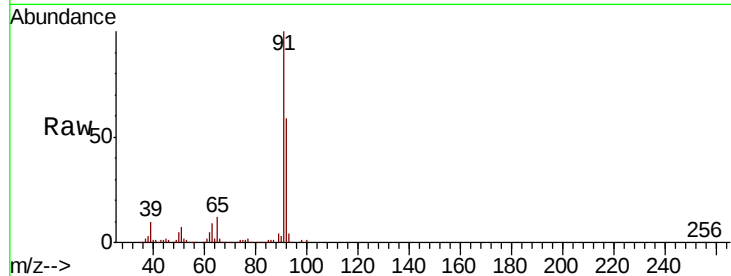
H4307

Tot Ion: 91 Resp: 111335

Ion Ratio Lower Upper

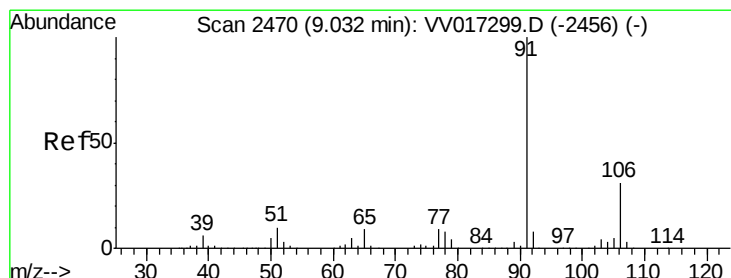
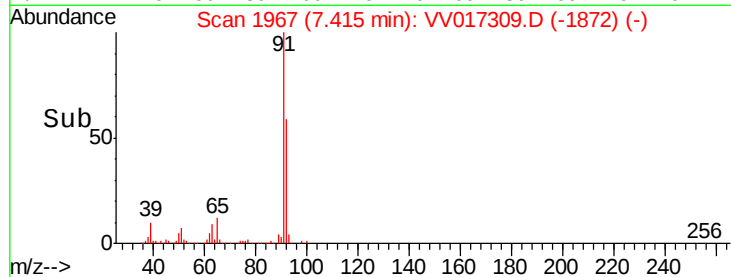
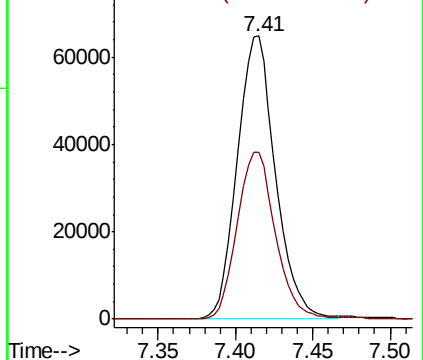
91 100

92 59.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#54

Ethylbenzene

Concen: 0.584 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017309.D

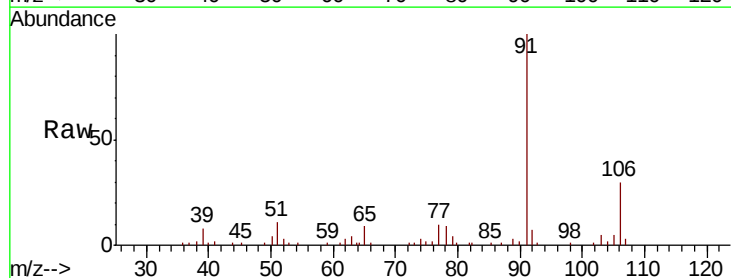
Acq: 02 Jul 2020 14:32

Tgt Ion: 91 Resp: 32867

Ion Ratio Lower Upper

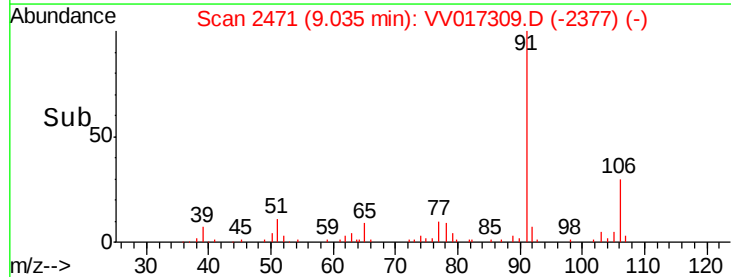
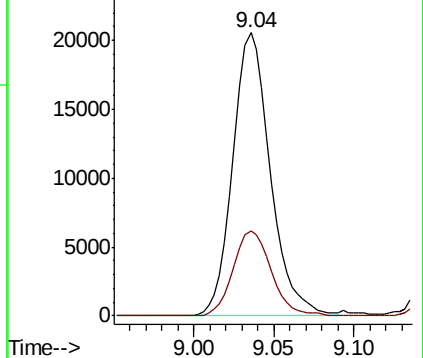
91 100

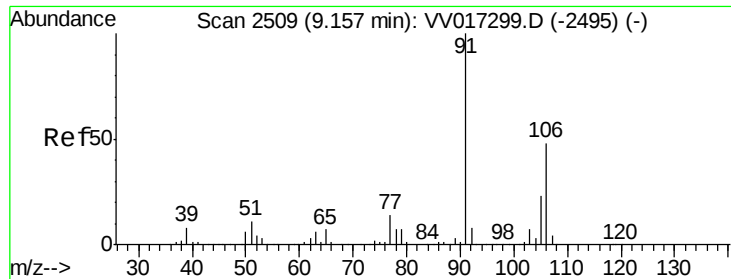
106 30.0 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 1.018 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017309.D

Acq: 02 Jul 2020 14:32

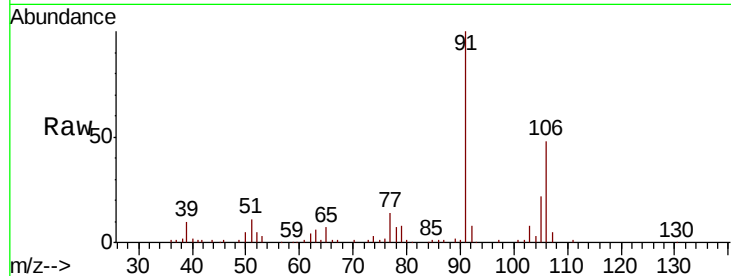
Instrument :
MSVOA_V
ClientSampleId :
H4307

Tot Ion:106 Resp: 22459

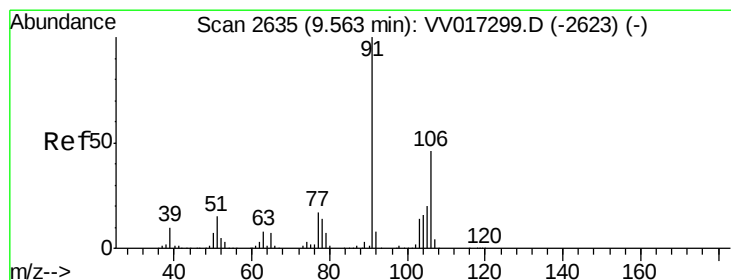
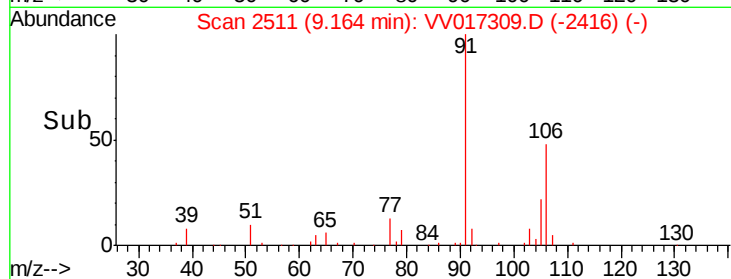
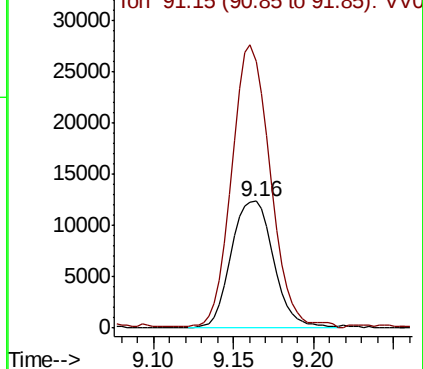
Ion Ratio Lower Upper

106 100

91 209.6 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.570 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017309.D

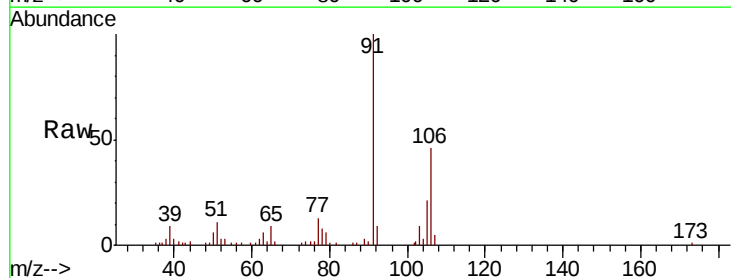
Acq: 02 Jul 2020 14:32

Tgt Ion:106 Resp: 11736

Ion Ratio Lower Upper

106 100

91 218.6 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

