

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
 Data File : VV019542.D
 Acq On : 11 Dec 2020 05:02
 Operator : SY/MD
 Sample : L4955-20
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4L9

Manual Integrations
 APPROVED

MMDadoda
 12/14/2020 9:11:49 AM

Quant Time: Dec 11 05:26:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 04:38:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	702107	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	664027	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	309789	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	199698	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.32%
7) Chloroethane-d5	1.57	69	171738	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.50%
11) 1,1-Dichloroethene-d2	2.11	63	400654	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.76%
21) 2-Butanone-d5	3.89	46	261013	95.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.38%
24) Chloroform-d	4.35	84	410608	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.50%
26) 1,2-Dichloroethane-d4	5.04	65	286224	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.54%
32) Benzene-d6	5.06	84	817680	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
36) 1,2-Dichloropropane-d6	6.08	67	255184	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.00%
41) Toluene-d8	7.32	98	736736	46.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.63	79	135801	43.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.08%
47) 2-Hexanone-d5	8.09	63	202343	92.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.93%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	348339	46.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.84%
64) 1,2-Dichlorobenzene-d4	11.63	152	270602	46.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.31	62	20389	3.375	ug/L #	82
12) 1,1-Dichloroethene	2.12	96	157336m	37.615	ug/L	
13) Acetone	2.18	43	20388	8.745	ug/L	90
14) Carbon disulfide	2.30	76	11437	0.832	ug/L	96
19) 1,1-Dichloroethane	3.20	63	10510	1.182	ug/L	94
20) cis-1,2-Dichloroethene	3.92	96	245211	48.655	ug/L #	98
29) Cyclohexane	4.69	56	7259	0.892	ug/L #	91
33) Benzene	5.11	78	3007132	154.953	ug/L	100
34) Trichloroethene	5.92	95	12155721	2371.149	ug/L	98
42) Toluene	7.40	91	61670	3.015	ug/L	97
46) Tetrachloroethene	7.99	164	31864360m	8982.689	ug/L	
53) m,p-Xylene	9.14	106	14268	1.639	ug/L	100
54) o-xylene	9.55	106	12251	1.436	ug/L	97

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

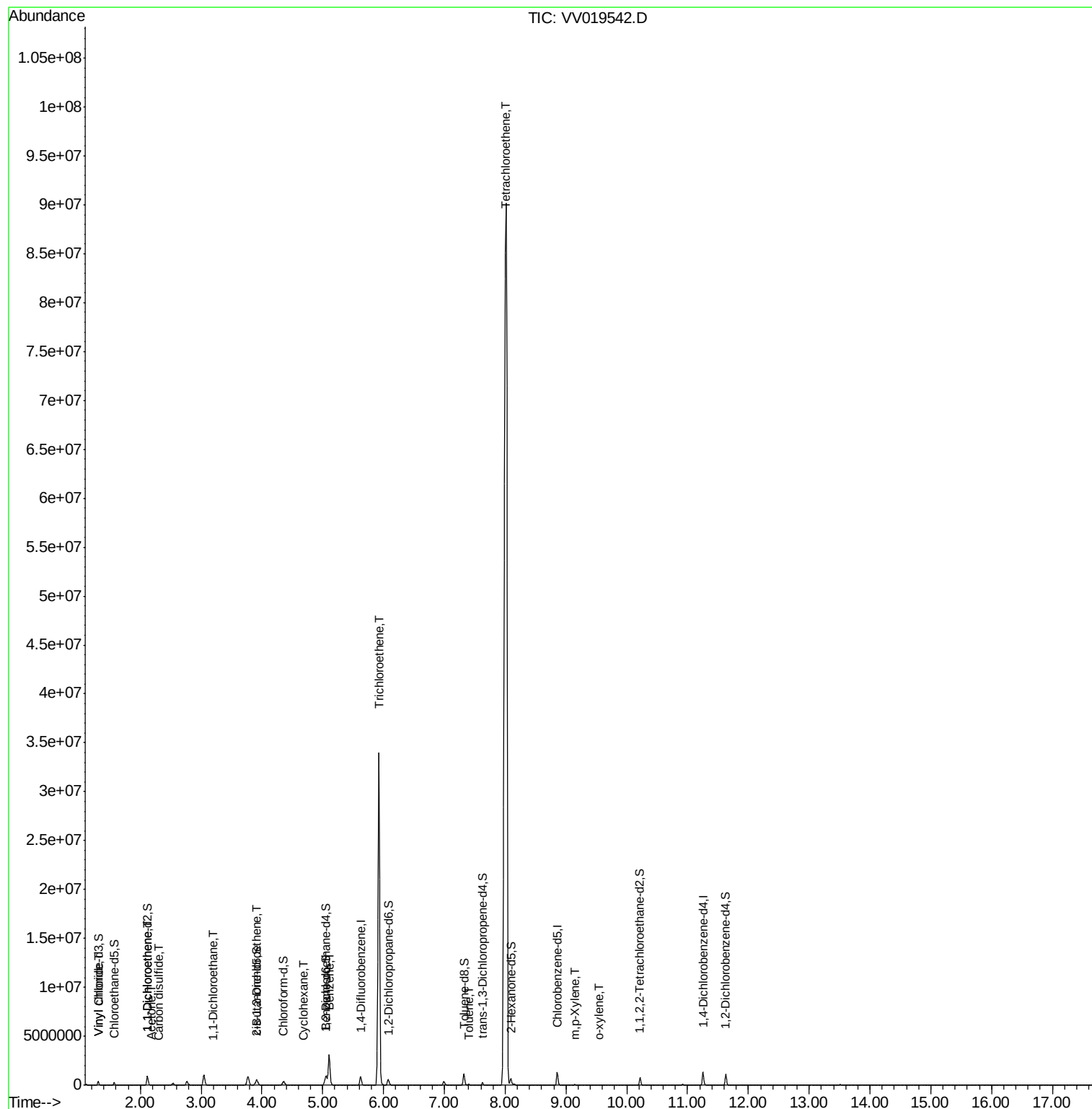
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV121020\
Data File : VV019542.D
Acq On : 11 Dec 2020 05:02
Operator : SY/MD
Sample : L4955-20
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

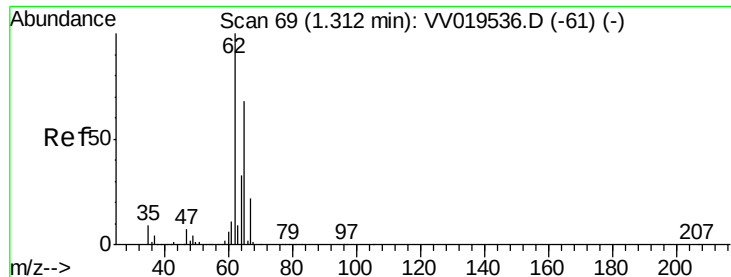
Instrument :
MSVOA_V
ClientSampleId :
BG4L9

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Quant Time: Dec 11 05:26:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 11 04:38:56 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.375 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019542.D

Acq: 11 Dec 2020 05:02

Instrument :

MSVOA_V

ClientSampleId :

BG4L9

Tot Ion: 62 Resp: 20389

Ion Ratio Lower Upper

62 100

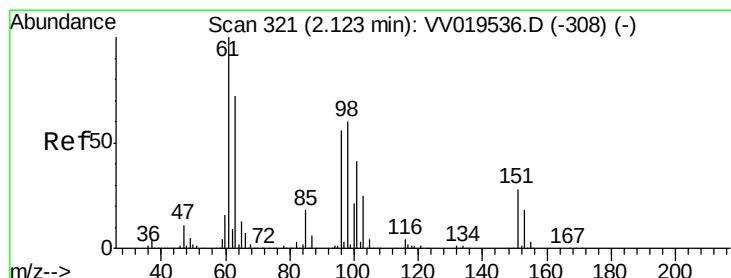
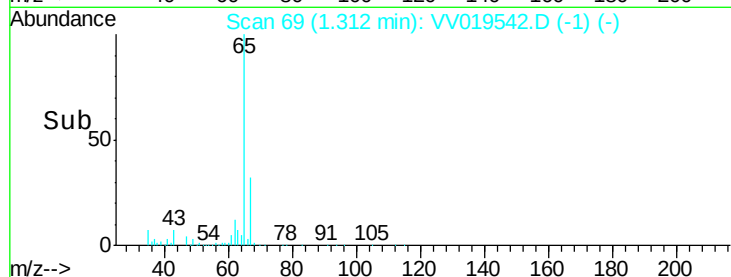
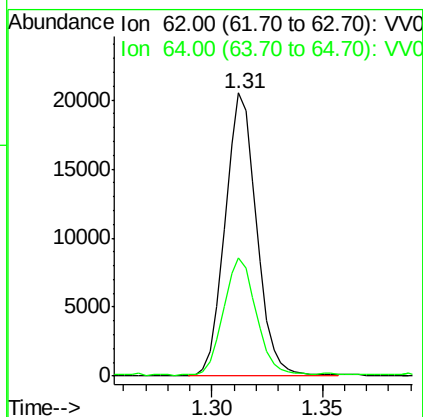
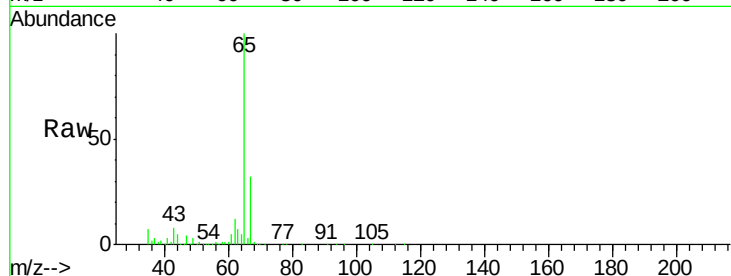
64 41.9 22.5 41.7#

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#12

1,1-Dichloroethene

Concen: 37.615 ug/L m

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV019542.D

Acq: 11 Dec 2020 05:02

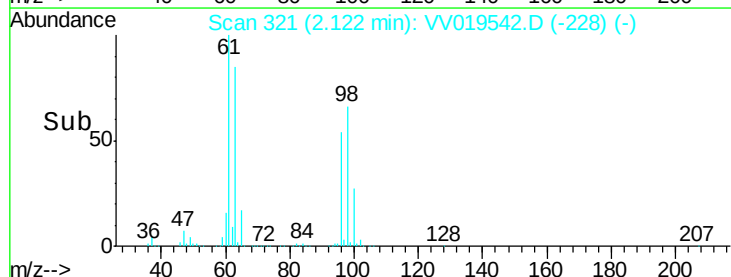
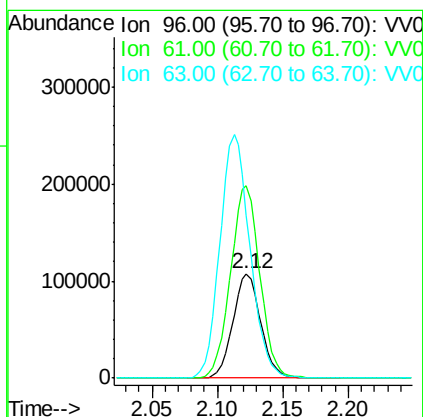
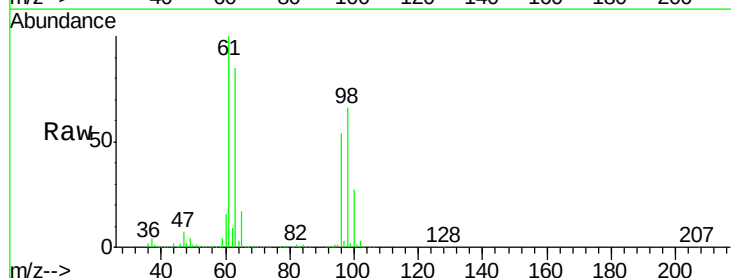
Tgt Ion: 96 Resp: 157336

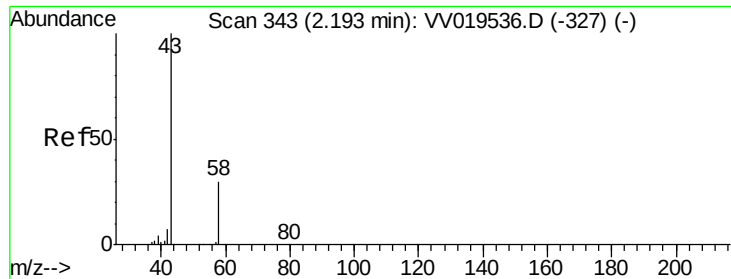
Ion Ratio Lower Upper

96 100

61 184.4 120.7 224.1

63 156.1 64.3 119.5#





#13

Acetone

Concen: 8.745 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV019542.D

Acq: 11 Dec 2020 05:02

Instrument :

MSVOA_V

ClientSampled :

BG4L9

Tot Ion: 43 Resp: 20388

Ion Ratio Lower Upper

43 100

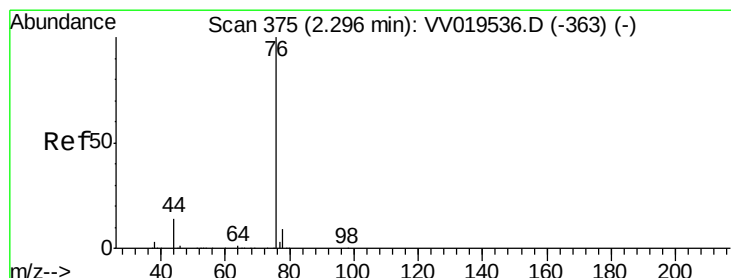
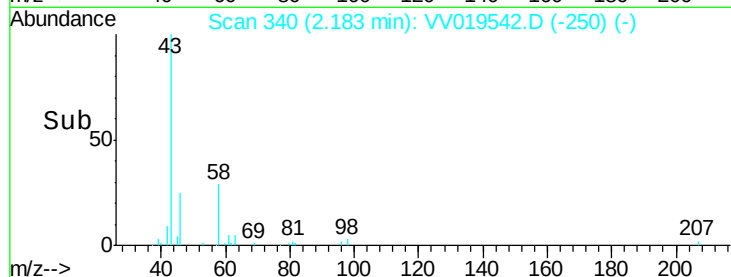
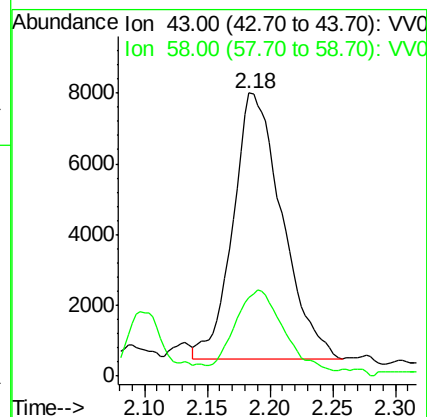
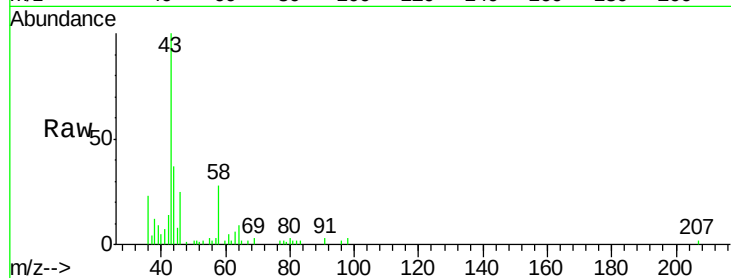
58 25.4 0.0 61.6

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#14

Carbon disulfide

Concen: 0.832 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV019542.D

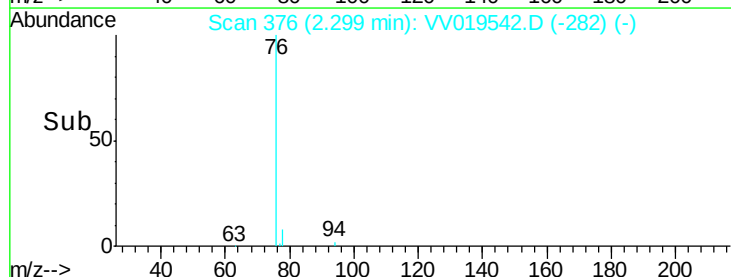
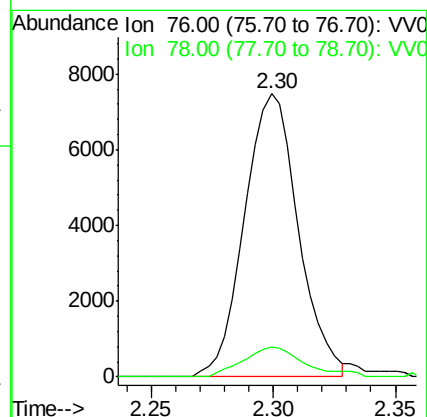
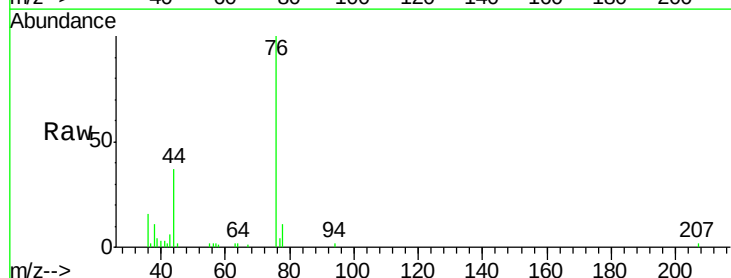
Acq: 11 Dec 2020 05:02

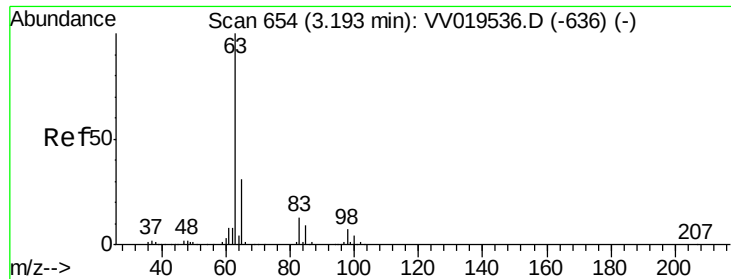
Tgt Ion: 76 Resp: 11437

Ion Ratio Lower Upper

76 100

78 10.5 7.2 10.8





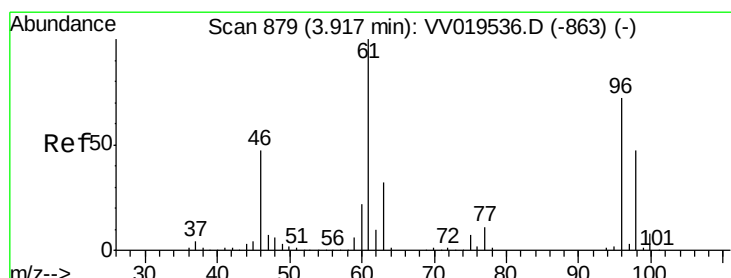
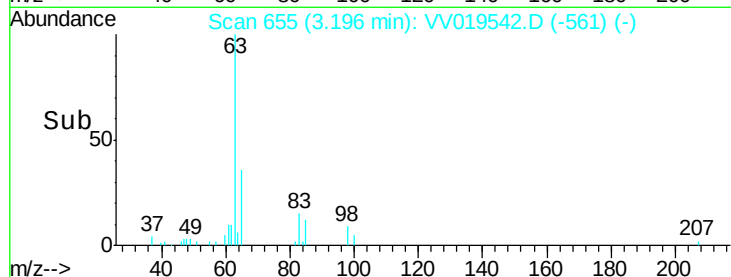
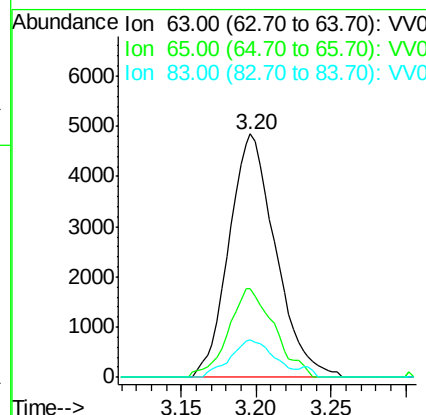
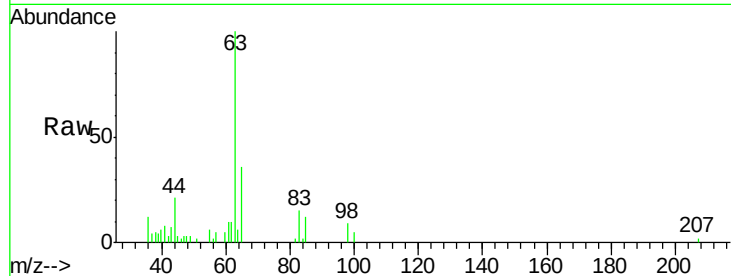
#19
 1,1-Dichloroethane
 Concen: 1.182 ug/L
 RT: 3.20 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VV019542.D
 Acq: 11 Dec 2020 05:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4L9

Tot Ion:	63	Resp:	10510
Ion	Ratio	Lower	Upper
63	100		
65	36.3	22.4	41.6
83	15.2	9.6	17.8

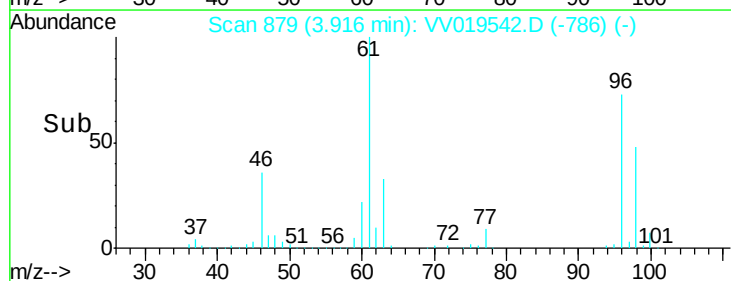
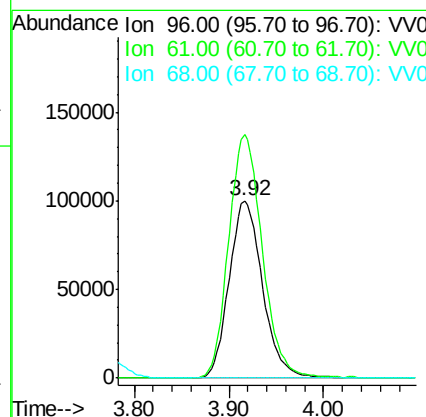
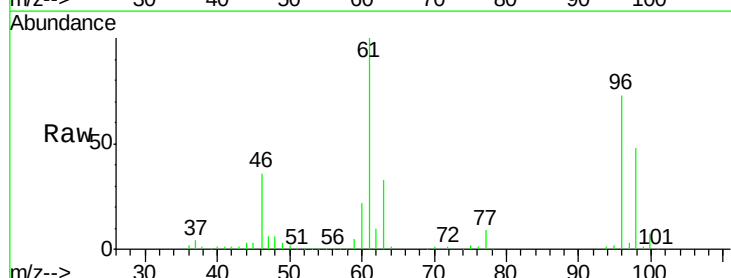
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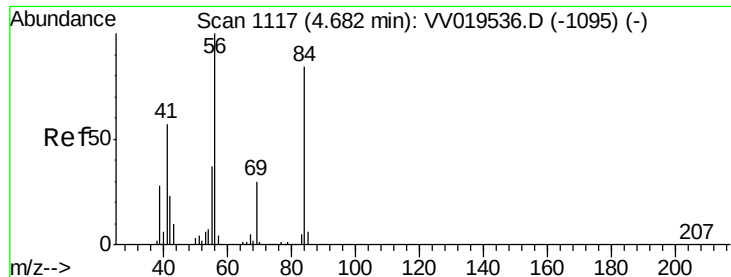
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#20
 cis-1,2-Dichloroethene
 Concen: 48.655 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VV019542.D
 Acq: 11 Dec 2020 05:02

Tgt Ion:	96	Resp:	245211
Ion	Ratio	Lower	Upper
96	100		
61	137.2	94.1	174.8
68	0.0	0.1	0.1#





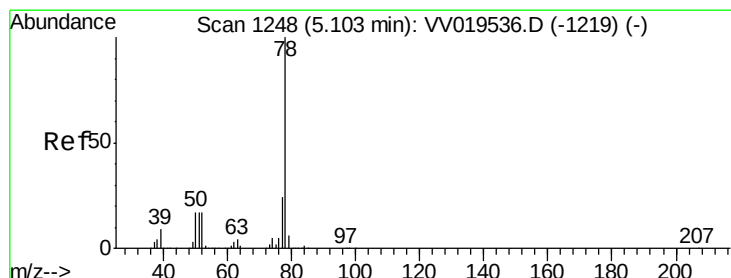
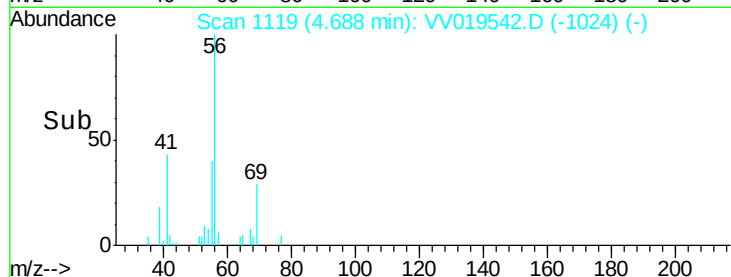
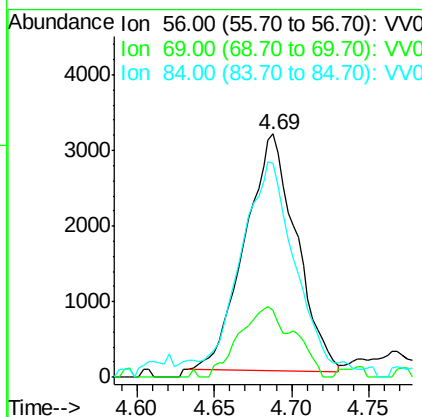
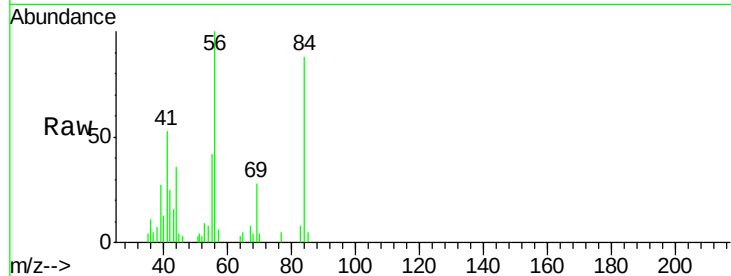
#29
Cyclohexane
Concen: 0.892 ug/L
RT: 4.69 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VV019542.D
Acq: 11 Dec 2020 05:02

Instrument :
MSVOA_V
ClientSampleId :
BG4L9

Tot Ion	Ratio	Lower	Upper
56	100		
69	16.0	24.6	37.0#
84	83.0	68.2	102.4

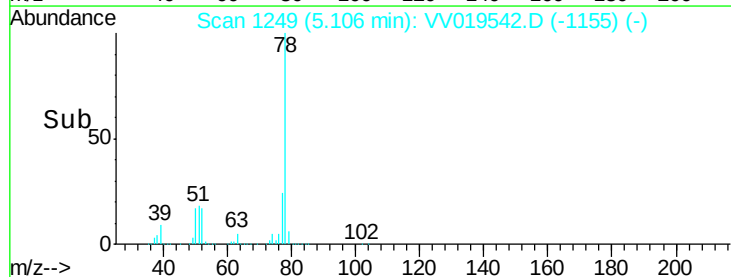
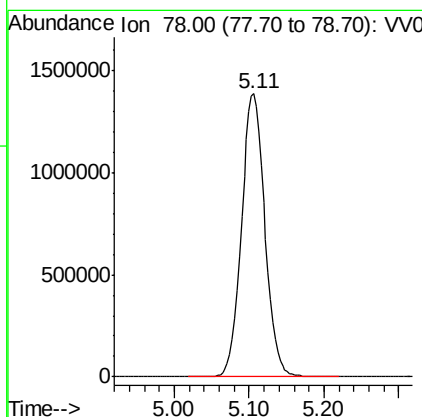
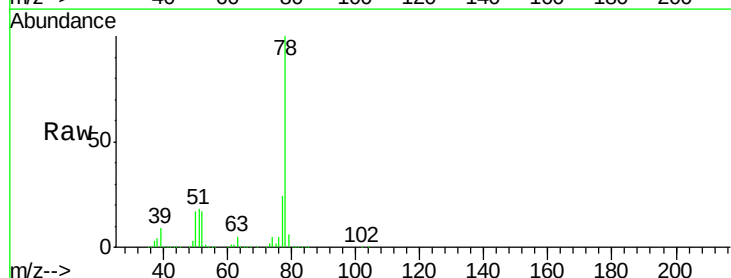
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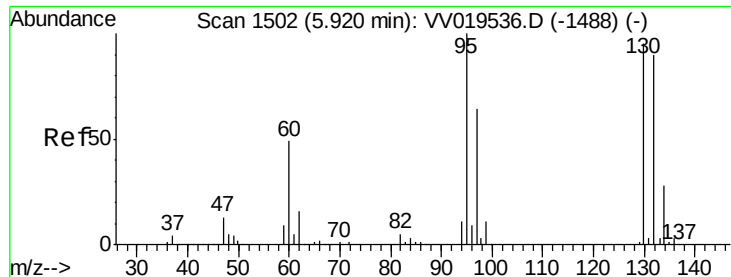
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#33
Benzene
Concen: 154.953 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VV019542.D
Acq: 11 Dec 2020 05:02

Tgt Ion: 78 Resp: 3007132





#34

Trichloroethene

Concen: 2371.149 ug/L

RT: 5.92 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VV019542.D

Acq: 11 Dec 2020 05:02

Instrument :

MSVOA_V

ClientSampleId :

BG4L9

Tot Ion: 95 Resp: 12155721

Ion Ratio Lower Upper

95 100

97 68.1 44.4 82.4

132 91.8 64.3 119.3

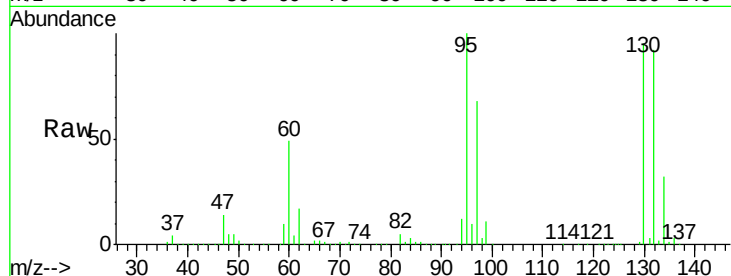
130 95.4 67.8 125.8

Manual Integrations

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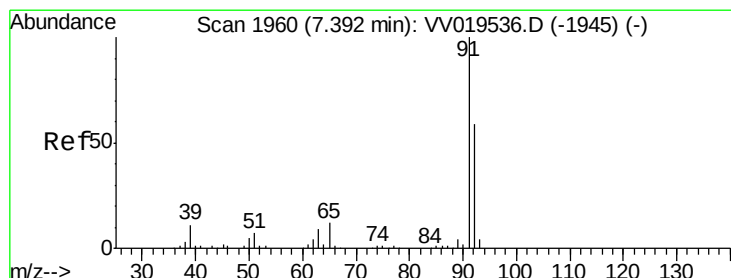
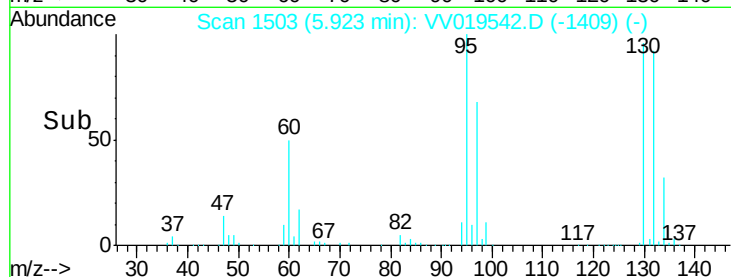
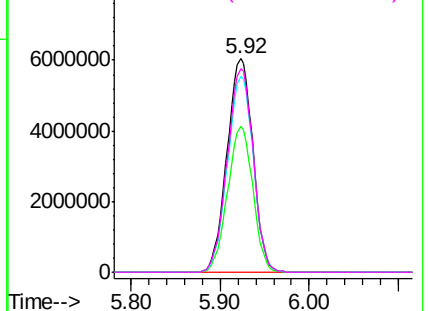


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#42

Toluene

Concen: 3.015 ug/L

RT: 7.40 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VV019542.D

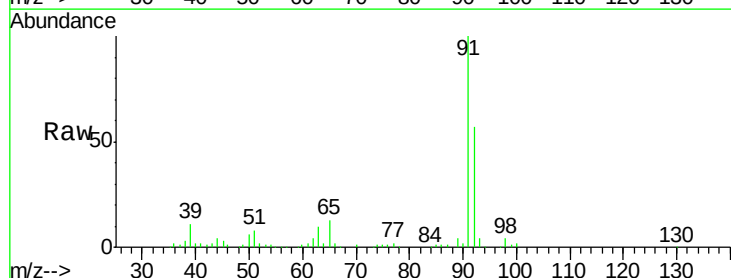
Acq: 11 Dec 2020 05:02

Tgt Ion: 91 Resp: 61670

Ion Ratio Lower Upper

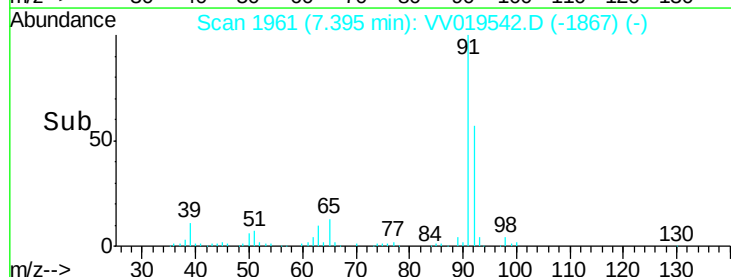
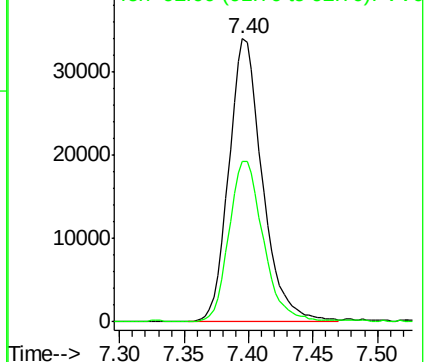
91 100

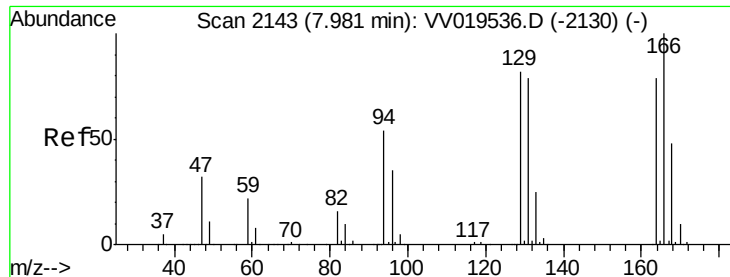
92 56.6 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#46

Tetrachloroethene

Concen: 8982.689 ug/L m

RT: 7.99 min Scan# 2147

Delta R.T. 0.01 min

Lab File: VV019542.D

Acq: 11 Dec 2020 05:02

Instrument :

MSVOA_V

ClientSampleId :

BG4L9

Tot Ion:164 Resp:31864360

Ion Ratio Lower Upper

164 100

129 100.0 70.6 131.0

131 100.0 68.0 126.4

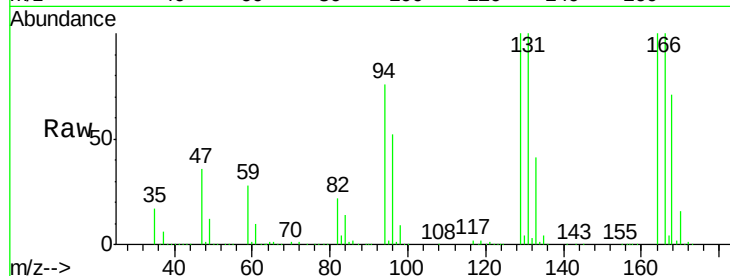
166 100.0 86.9 161.5

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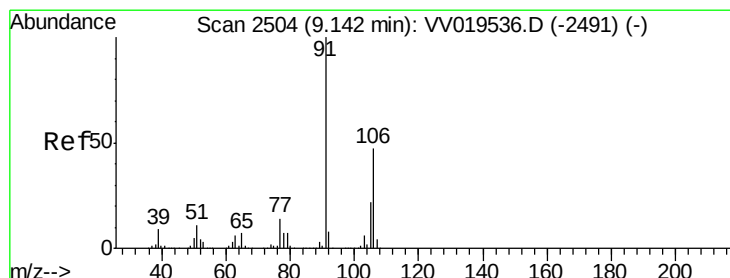
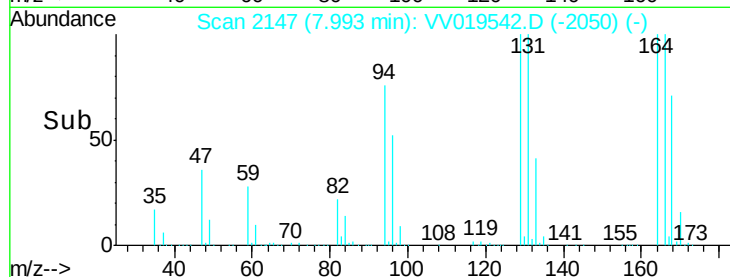
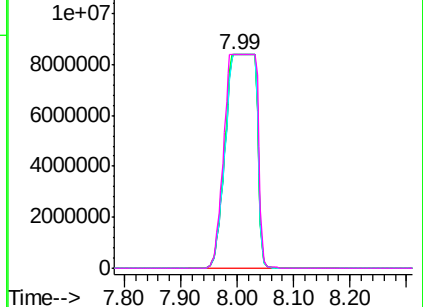


Abundance Ion 164.00 (163.70 to 164.70): V

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



#53

m,p-Xylene

Concen: 1.639 ug/L

RT: 9.14 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VV019542.D

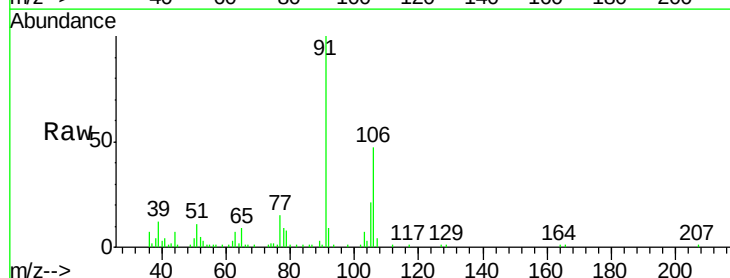
Acq: 11 Dec 2020 05:02

Tgt Ion:106 Resp: 14268

Ion Ratio Lower Upper

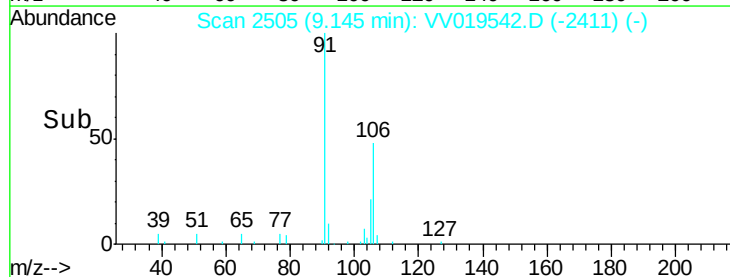
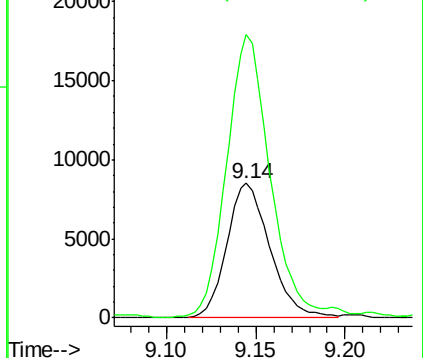
106 100

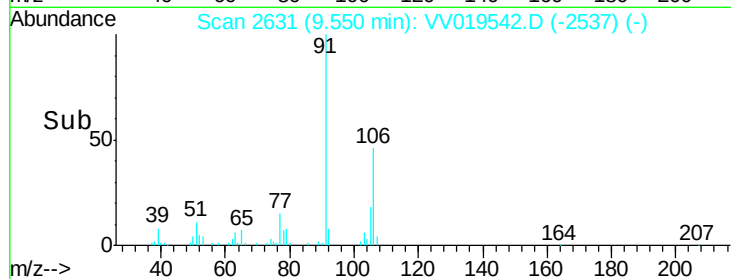
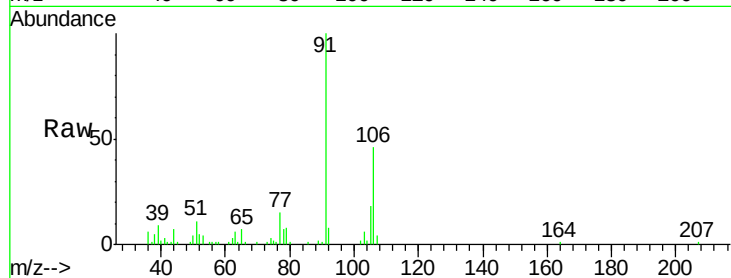
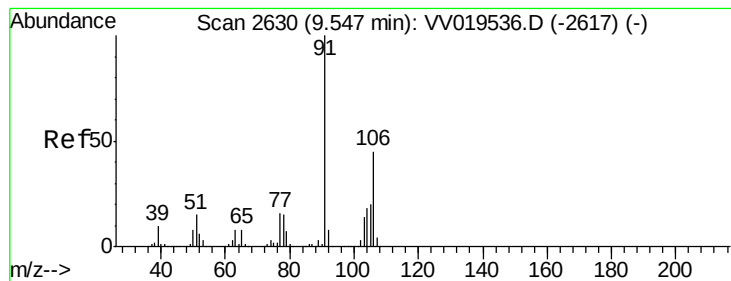
91 210.6 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 1.436 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019542.D

Acq: 11 Dec 2020 05:02

Tot Ion:106 Resp: 12251

Ion Ratio Lower Upper

106 100

91 218.5 156.7 291.1

Instrument :

MSVOA_V

ClientSampleId :

BG4L9

Manual Integrations

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MMDadoda

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