

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035574.D
 Acq On : 9 Sep 2020 3:07
 Operator : SY/AP
 Sample : L3898-11DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Manual Integrations
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 9/10/2020 10:45:46 AM

Quant Time: Sep 10 01:07:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1174124	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4768868	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4868420	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	3659659	10.59	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	33715m	0.673	ppbv	
10) Heptane	8.11	43	21371	0.159	ppbv	95
13) Ethanol	3.59	45	378738	30.513	ppbv	96
15) Acetone	3.84	43	423799	3.273	ppbv	99
19) Isopropyl Alcohol	3.96	45	58600	0.759	ppbv #	1
20) Methylene Chloride	4.33	84	39046m	0.405	ppbv	
26) Hexane	5.67	57	43541m	0.336	ppbv	
34) 2-Butanone	5.24	43	456085	3.223	ppbv	99
36) Benzene	6.88	78	43338	0.140	ppbv #	95
44) 2,2,4-Trimethylpentane	7.87	57	60681	0.149	ppbv #	76
52) Tetrachloroethene	11.22	164	21537	0.119	ppbv	92
53) Toluene	9.81	91	233755	0.602	ppbv	97
58) Ethyl Benzene	12.71	91	60674	0.121	ppbv #	86
59) m/p-Xylene	12.97	91	183494	0.437	ppbv	94
60) o-Xylene	13.69	91	68163m	0.161	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	102910m	0.189	ppbv	
79) Naphthalene	22.22	128	75284	0.124	ppbv	98

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

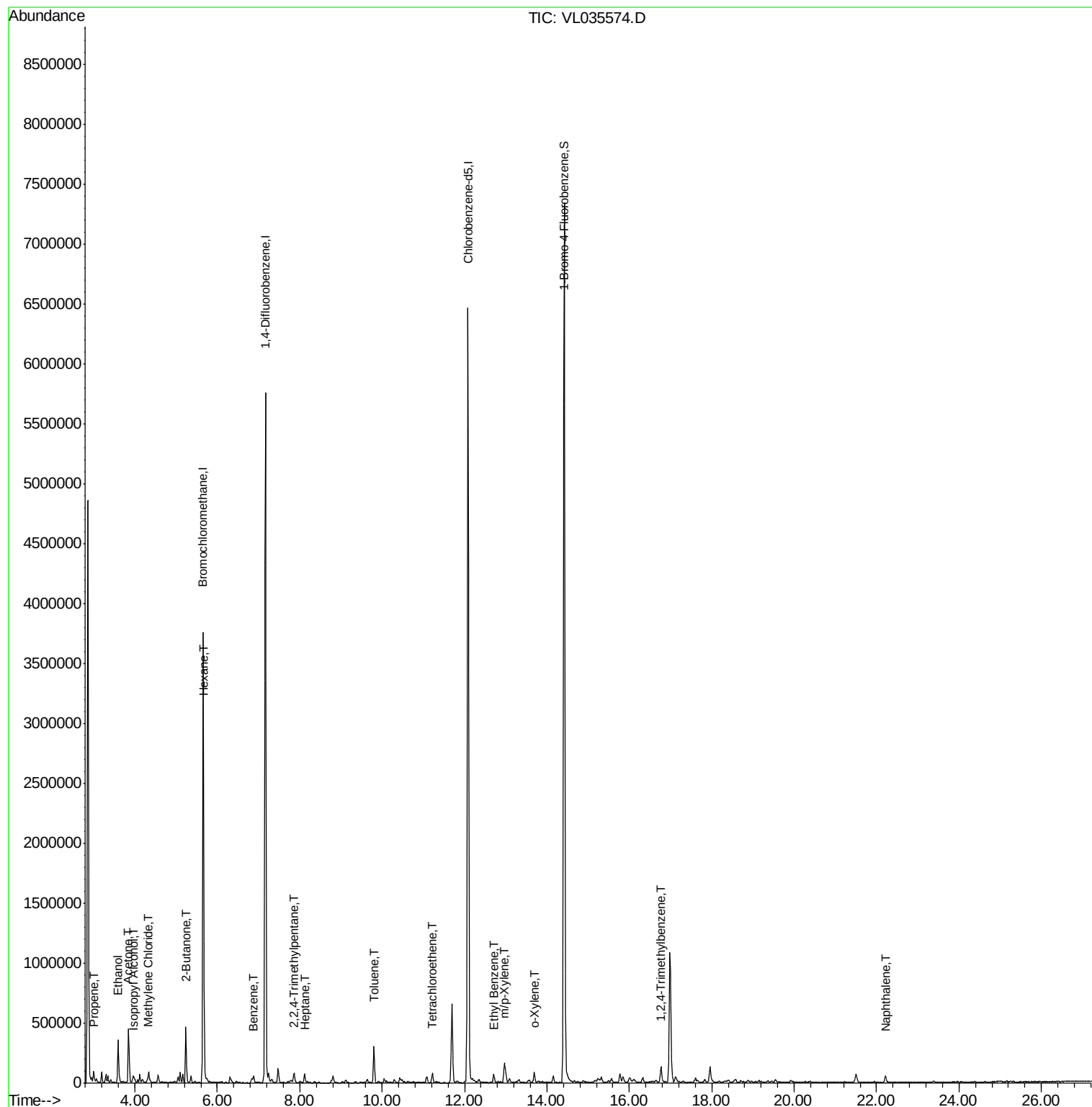
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090820\
Data File : VL035574.D
Acq On : 9 Sep 2020 3:07
Operator : SY/AP
Sample : L3898-11DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

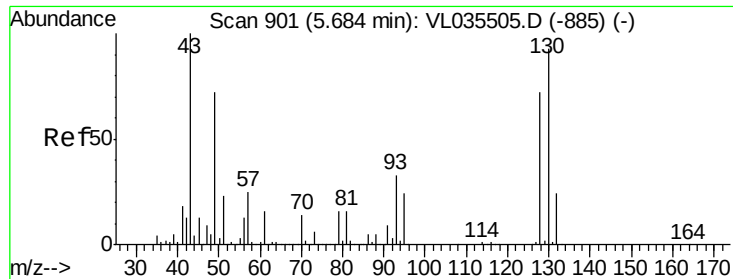
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Manual Integrations
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9/10/2020 10:45:46 AM

Quant Time: Sep 10 01:07:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL035574.D

Acq: 9 Sep 2020 3:07

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tot Ion: 49 Resp: 1174124

Ion Ratio Lower Upper

49 100

128 92.3 50.0 150.1

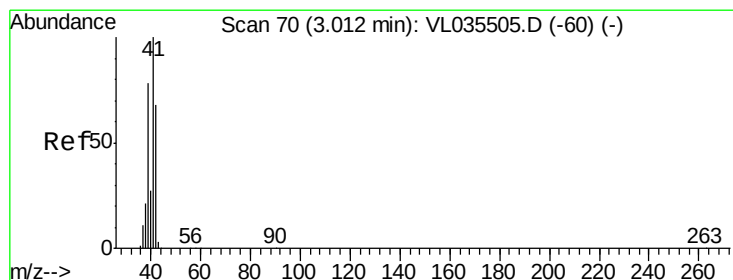
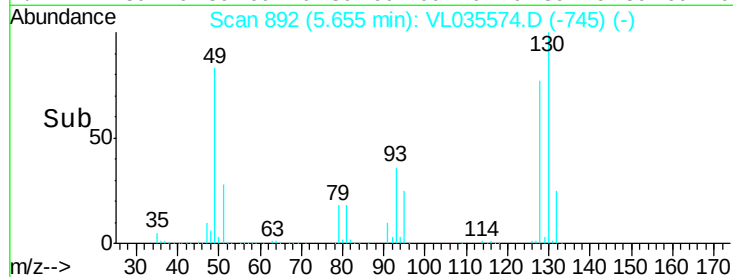
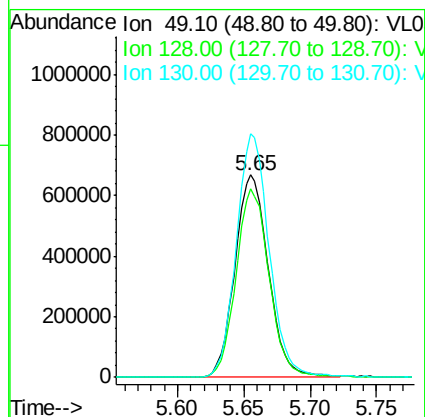
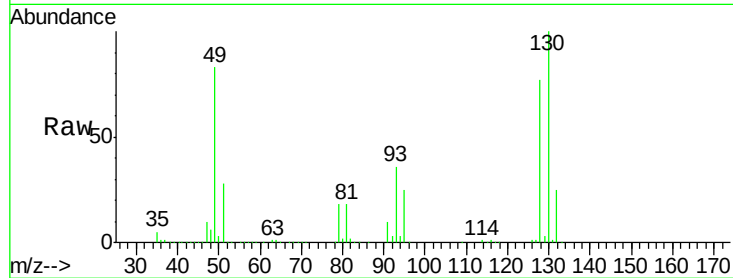
130 119.3 64.4 193.2

Manual Integrations

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#9

Propene

Concen: 0.673 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL035574.D

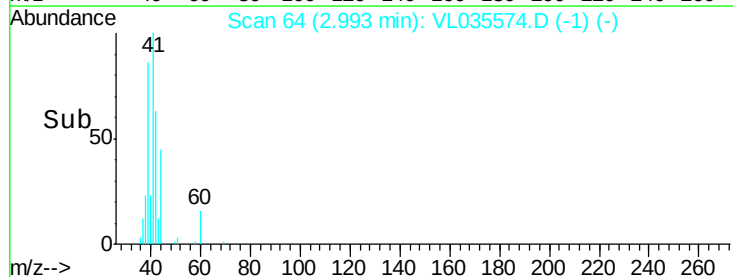
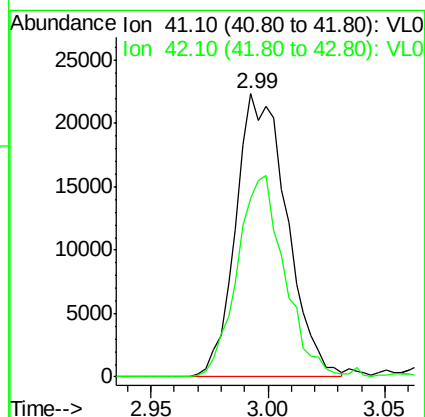
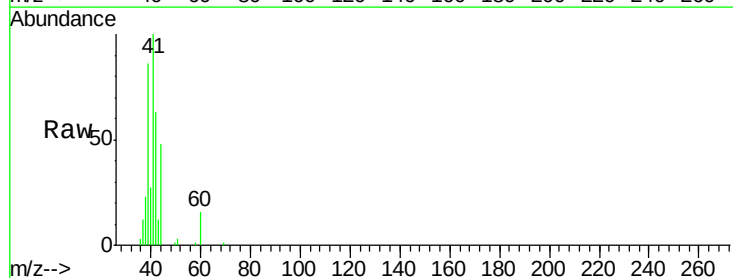
Acq: 9 Sep 2020 3:07

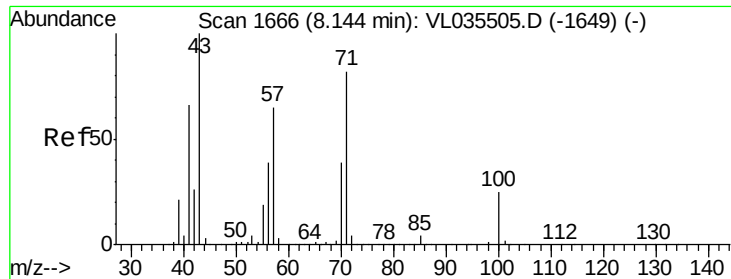
Tgt Ion: 41 Resp: 33715

Ion Ratio Lower Upper

41 100

42 67.4 56.3 84.5





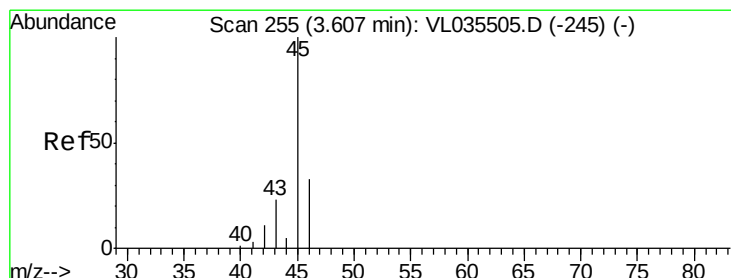
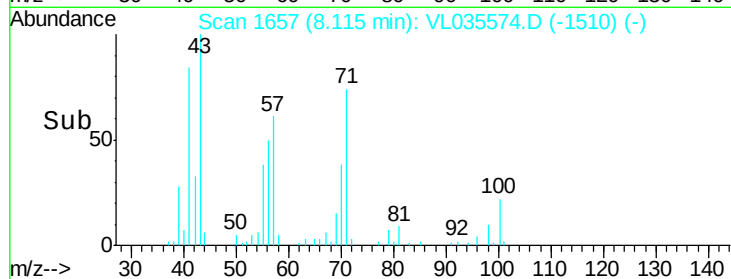
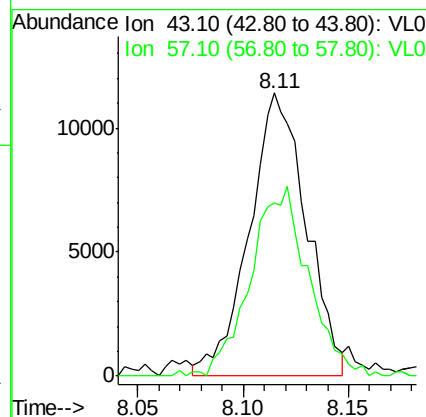
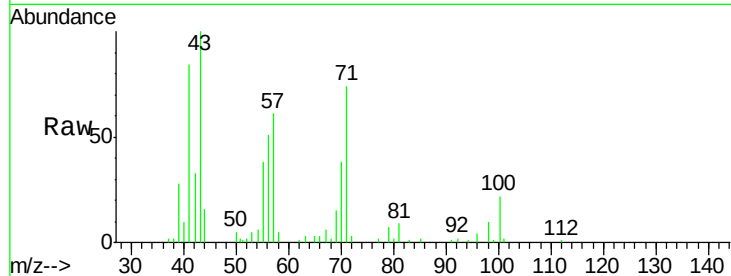
#10
Heptane
Concen: 0.159 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion: 43 Resp: 21371
Ion Ratio Lower Upper
43 100
57 68.3 51.4 77.0

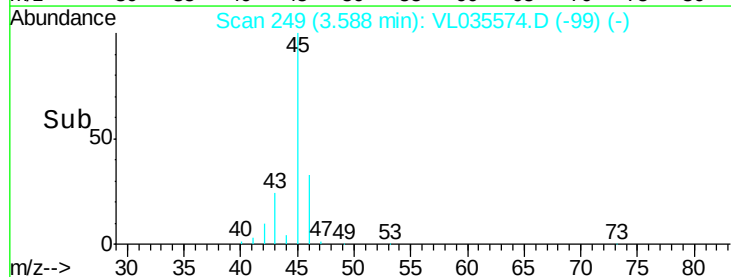
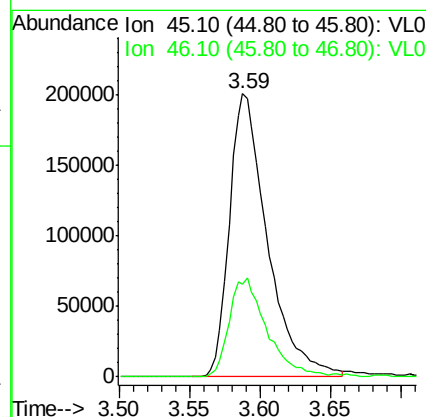
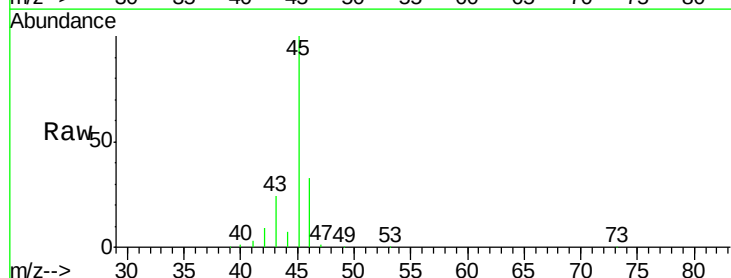
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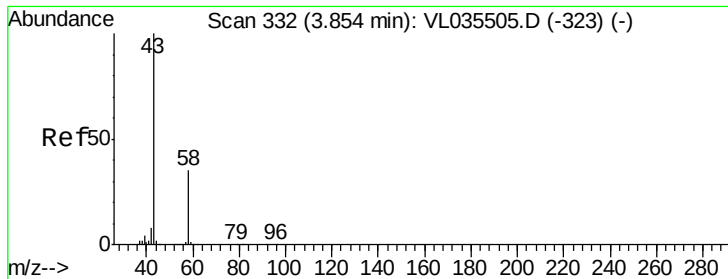
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#13
Ethanol
Concen: 30.513 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tgt Ion: 45 Resp: 378738
Ion Ratio Lower Upper
45 100
46 35.5 15.2 60.6





#15

Acetone

Concen: 3.273 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035574.D

Acq: 9 Sep 2020 3:07

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tot Ion: 43 Resp: 423799

Ion Ratio Lower Upper

43 100

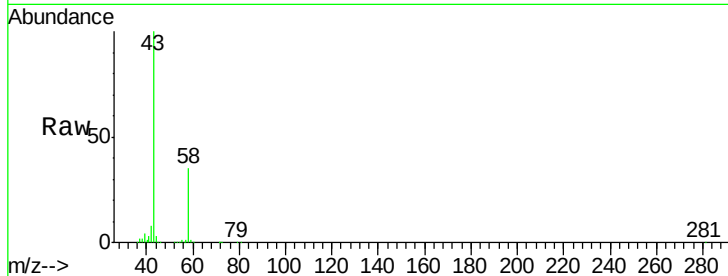
58 35.2 28.4 42.6

Manual Integrations

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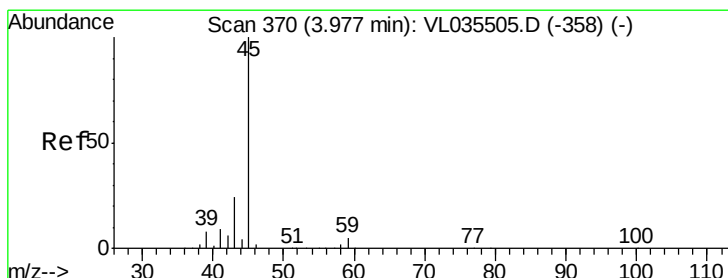
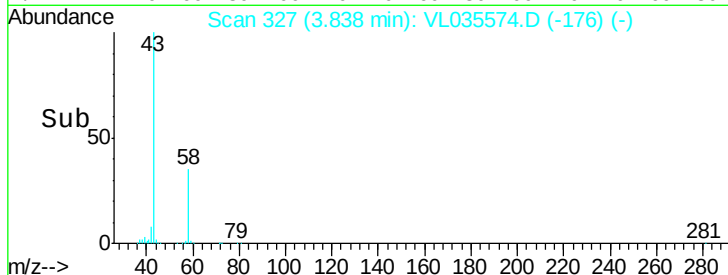
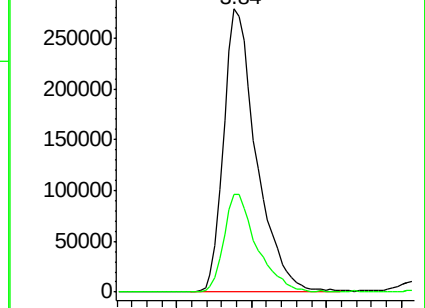
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.759 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL035574.D

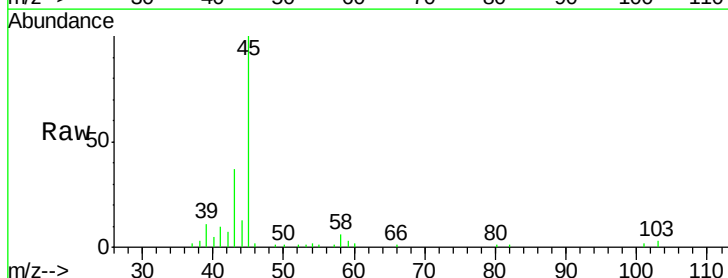
Acq: 9 Sep 2020 3:07

Tgt Ion: 45 Resp: 58600

Ion Ratio Lower Upper

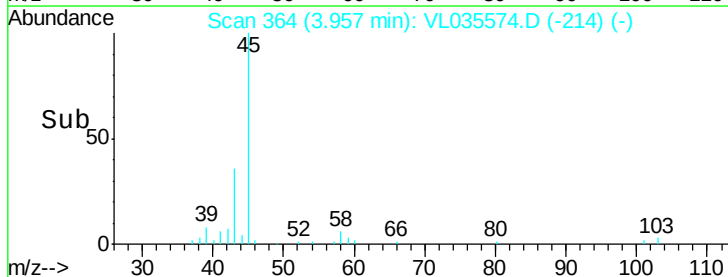
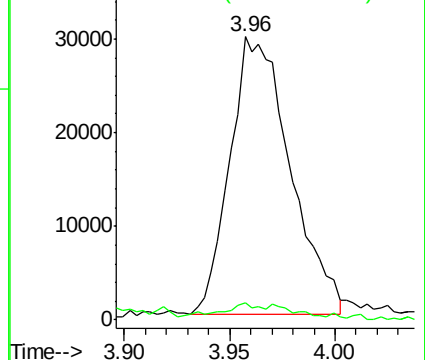
45 100

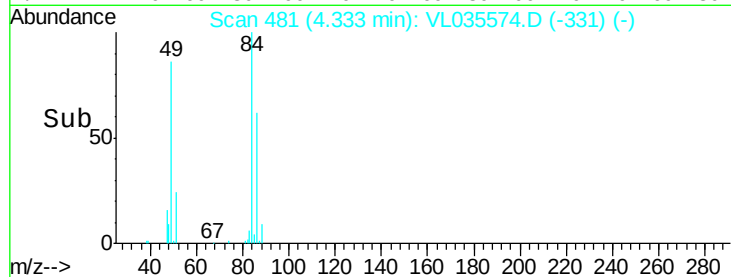
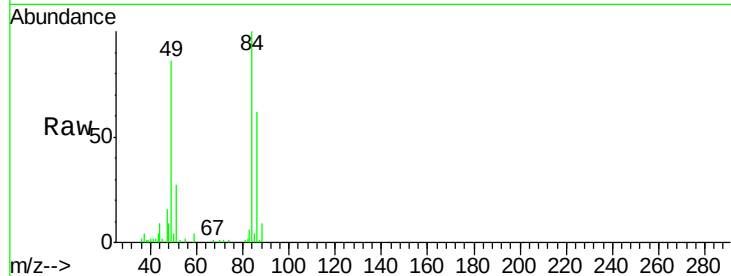
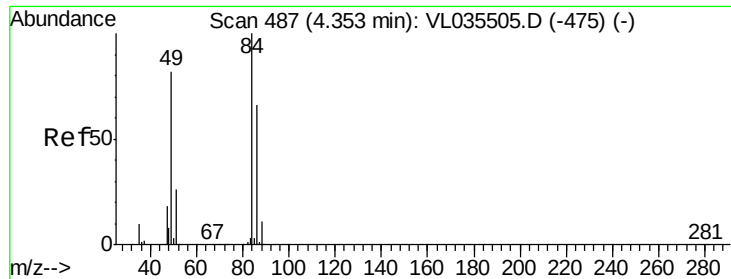
58 254.6 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





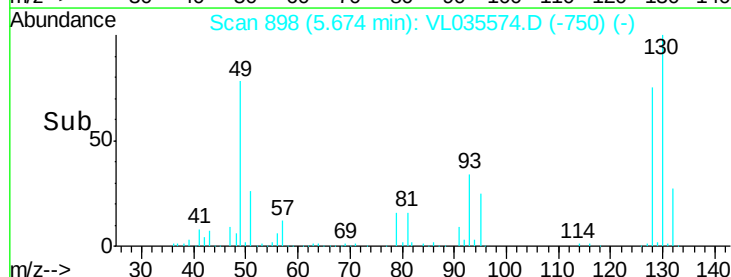
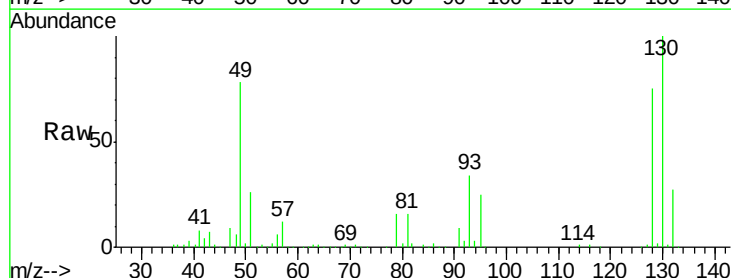
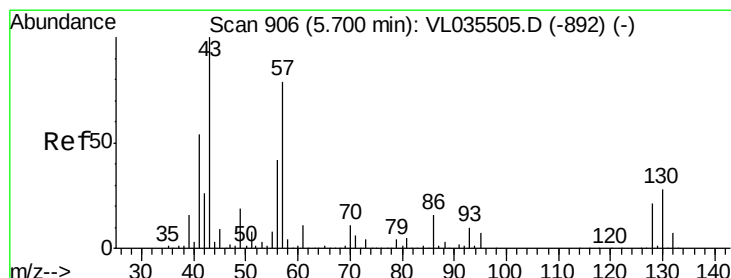
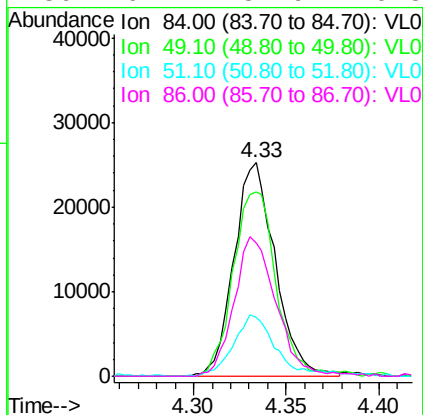
#20
Methvlene Chloride
Concen: 0.405 ppbv m
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tot Ion:	84	Resp:	39046
Ion Ratio	Lower	Upper	
84	100		
49	86.2	65.4	98.0
51	27.4	21.5	32.3
86	62.2	52.9	79.3

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

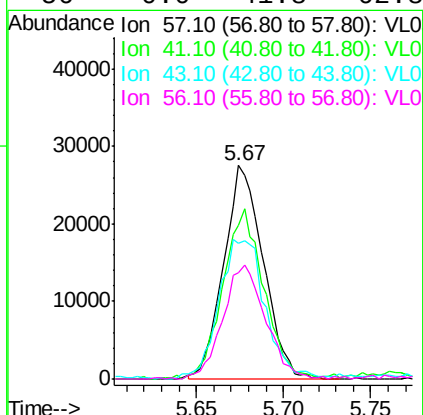
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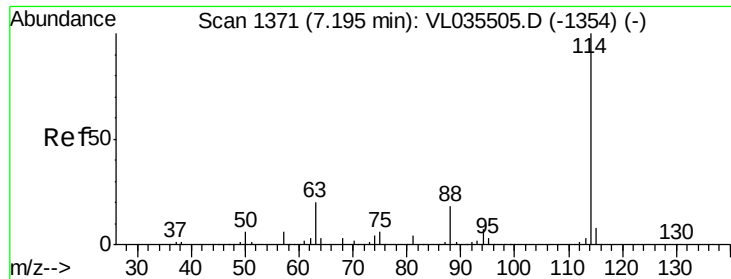
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#26
Hexane
Concen: 0.336 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tgt Ion:	57	Resp:	43541
Ion Ratio	Lower	Upper	
57	100		
41	0.0	55.9	83.9#
43	0.0	141.8	212.8#
56	0.0	41.8	62.8#





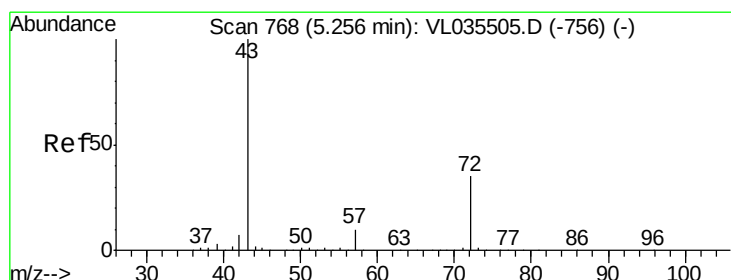
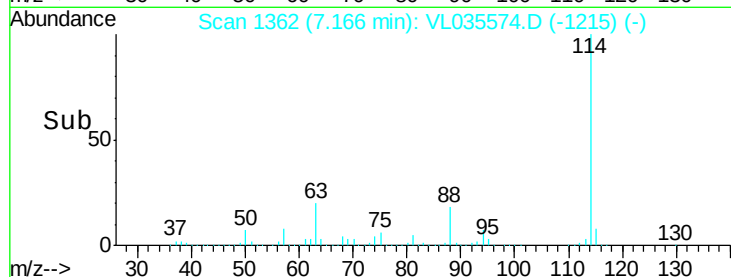
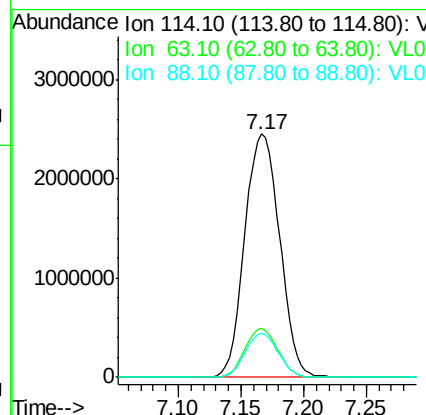
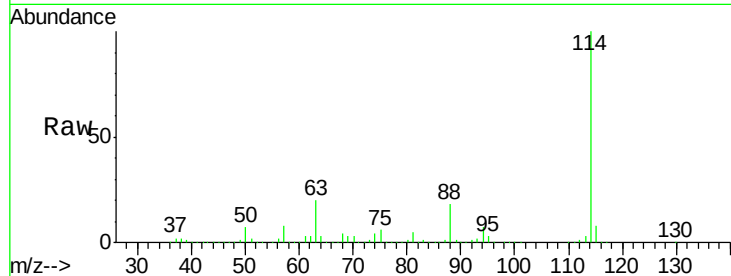
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL035574.D
 Acq: 9 Sep 2020 3:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Tot Ion:114 Resp: 4768868
 Ion Ratio Lower Upper
 114 100
 63 19.0 14.7 22.1
 88 17.2 13.4 20.2

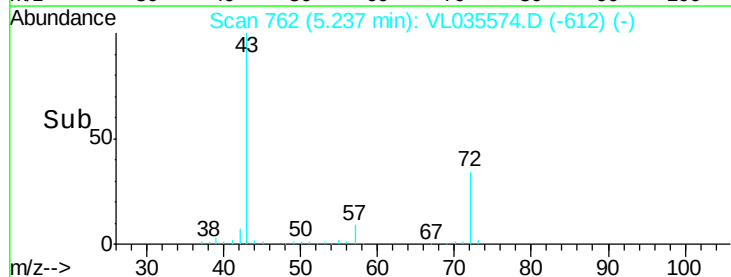
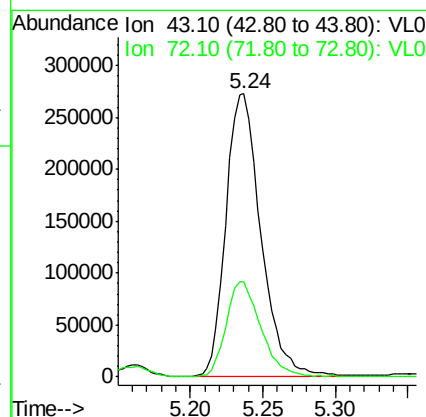
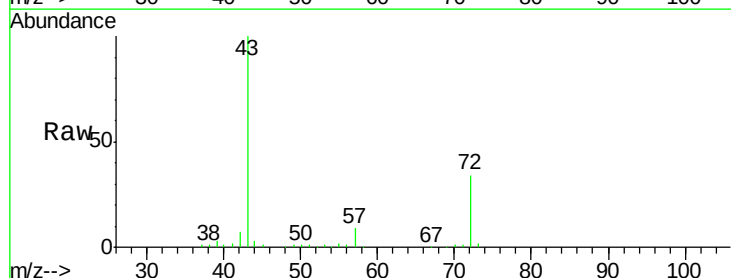
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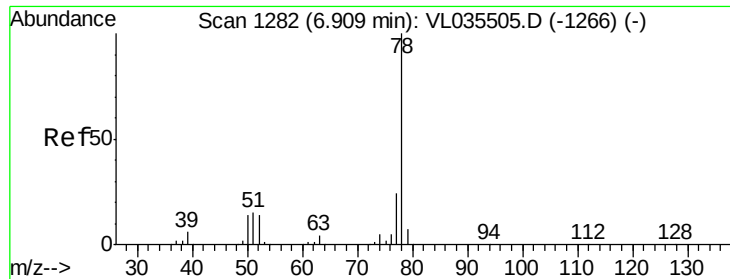
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#34
 2-Butanone
 Concen: 3.223 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL035574.D
 Acq: 9 Sep 2020 3:07

Tgt Ion: 43 Resp: 456085
 Ion Ratio Lower Upper
 43 100
 72 33.8 27.7 41.5





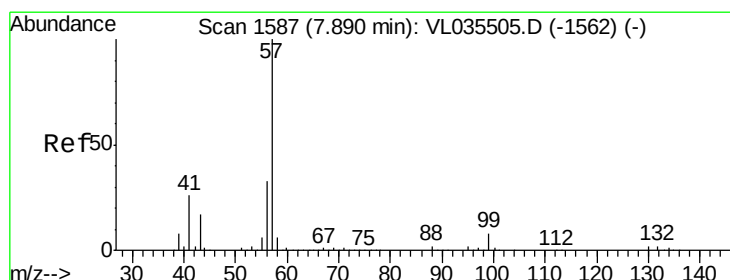
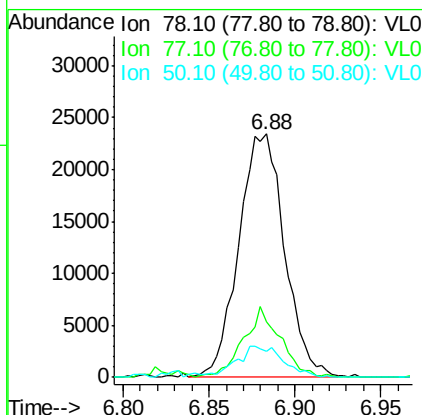
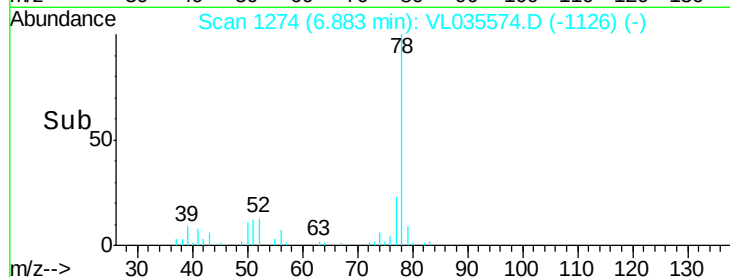
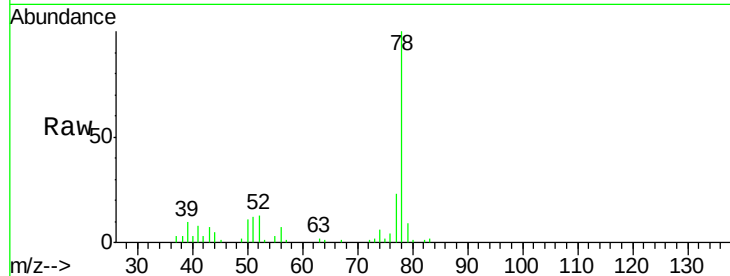
#36
Benzene
Concen: 0.140 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9
50	10.6	11.0	16.6#

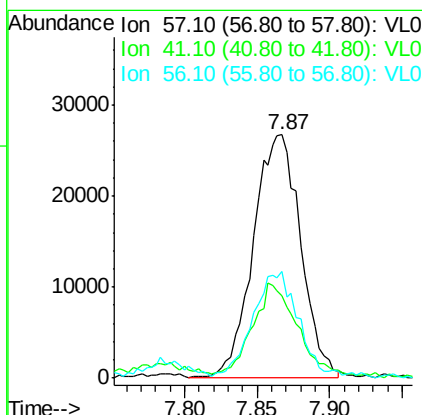
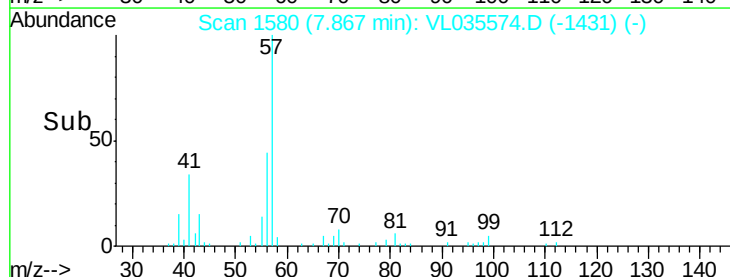
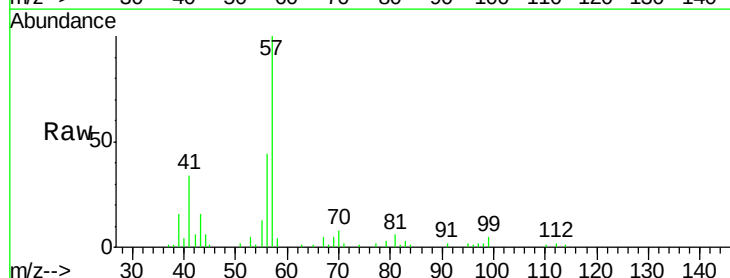
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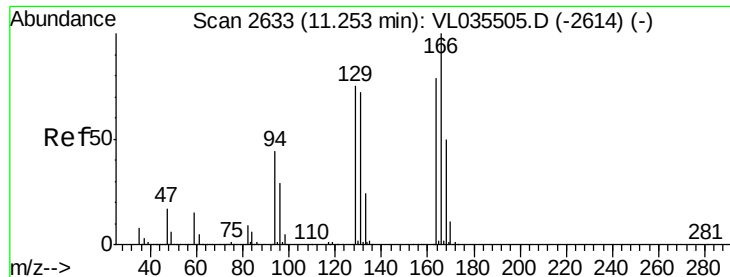
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#44
2,2,4-Trimethylpentane
Concen: 0.149 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.02 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.9	20.5	30.7#
56	43.5	25.3	37.9#





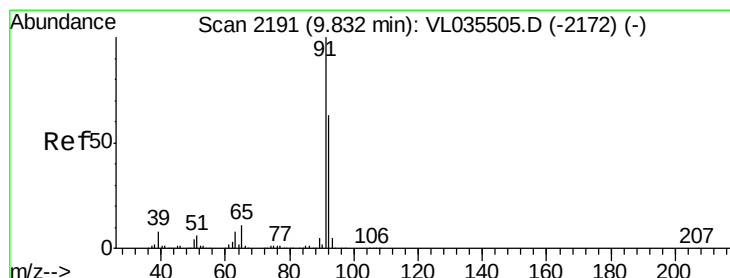
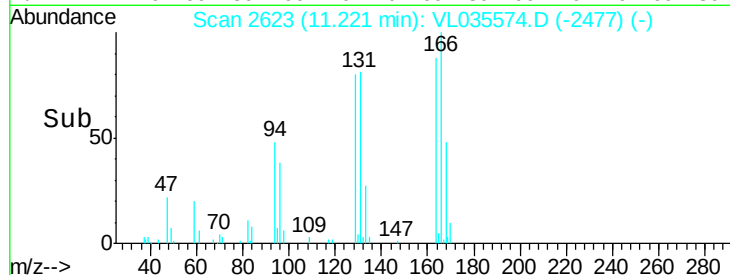
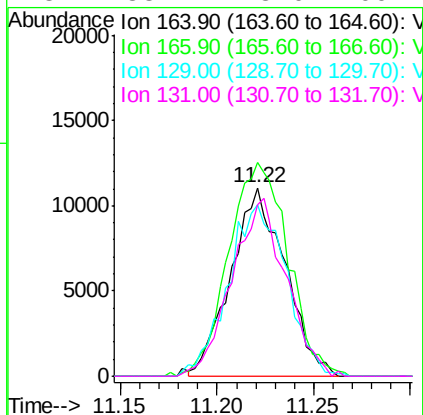
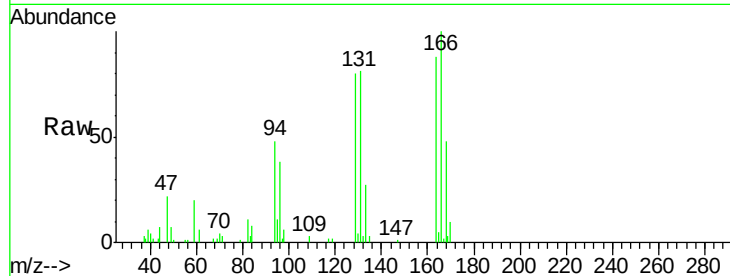
#52
Tetrachloroethene
Concen: 0.119 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	111.1	100.9	151.3
129	89.5	75.3	112.9
131	88.4	73.0	109.4

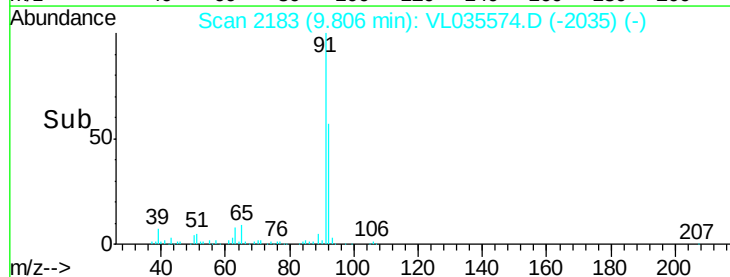
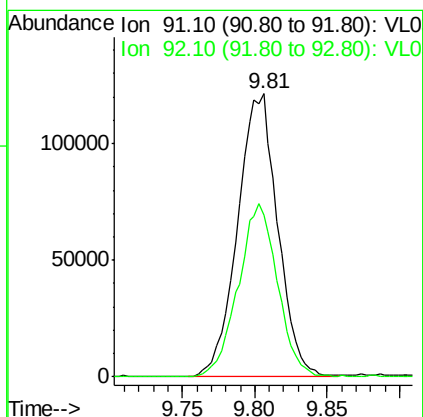
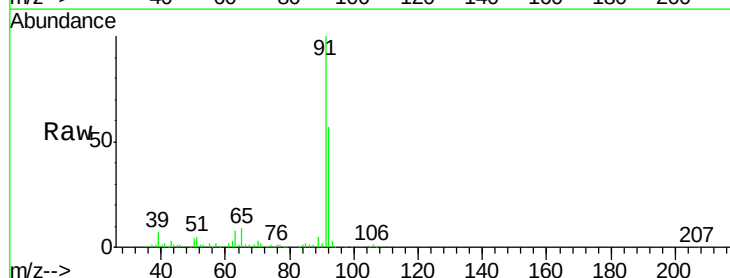
Manual Integrations
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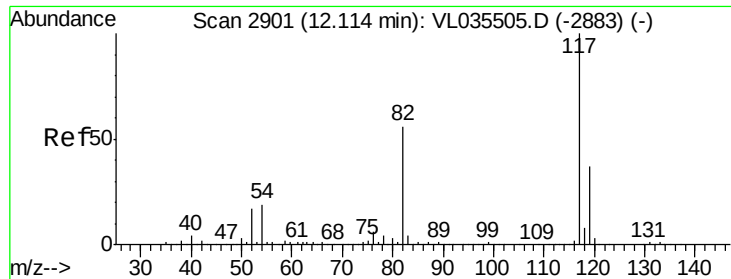
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#53
Toluene
Concen: 0.602 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.8	74.8





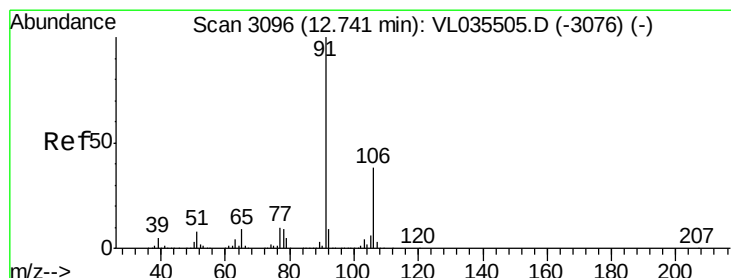
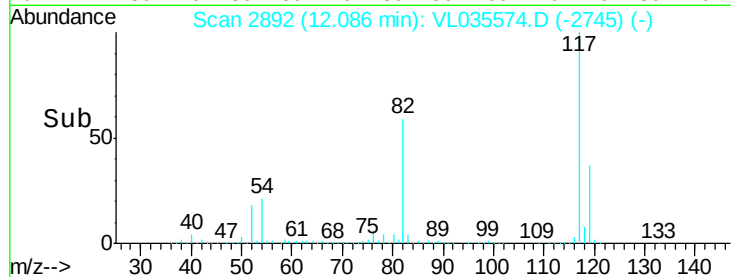
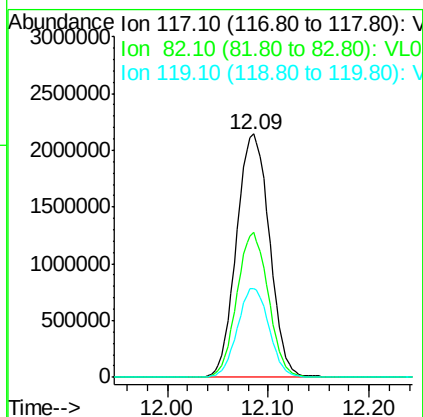
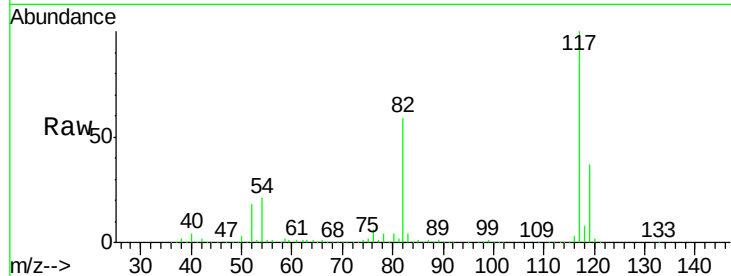
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion:117 Resp: 4868420
Ion Ratio Lower Upper
117 100
82 57.3 41.6 62.4
119 35.2 29.3 43.9

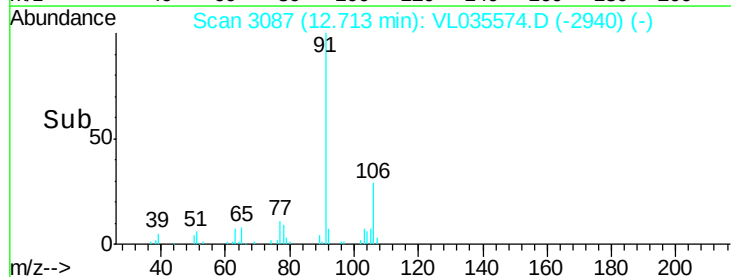
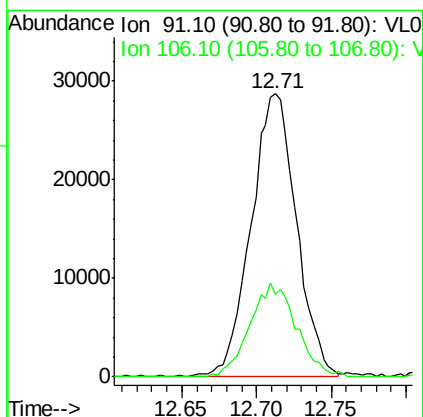
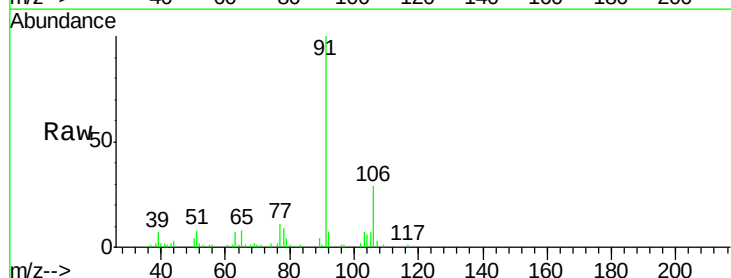
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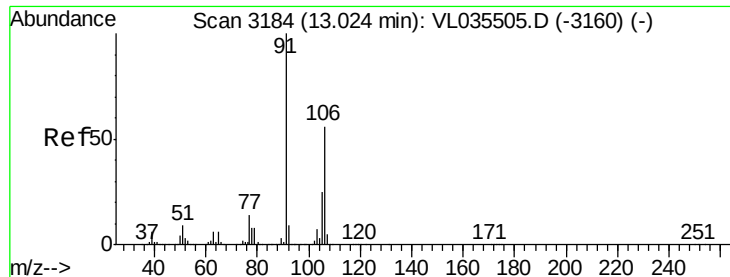
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#58
Ethyl Benzene
Concen: 0.121 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tgt Ion: 91 Resp: 60674
Ion Ratio Lower Upper
91 100
106 29.3 30.3 45.5#





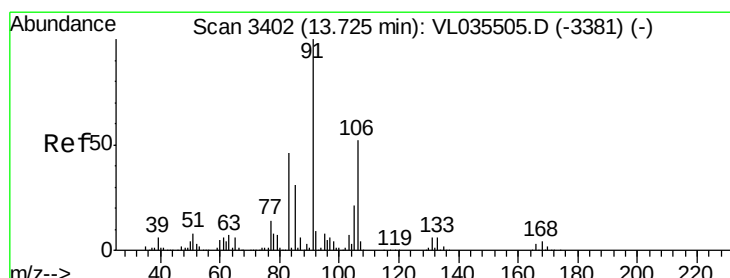
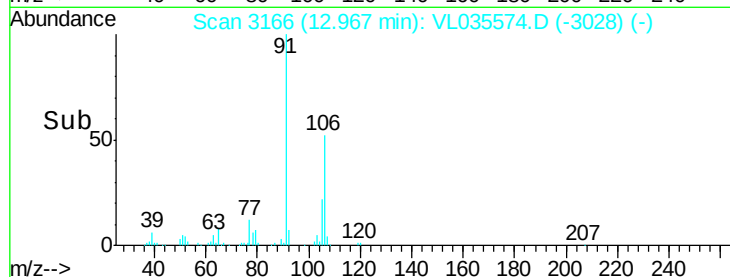
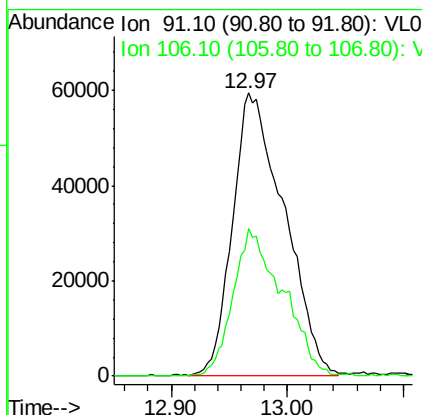
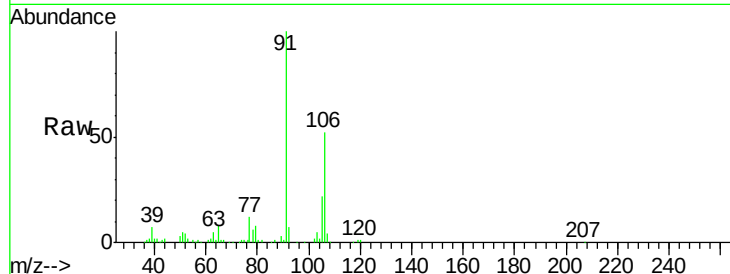
#59
m/p-Xylene
Concen: 0.437 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.06 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion: 91 Resp: 183494
Ion Ratio Lower Upper
91 100
106 50.0 43.4 65.2

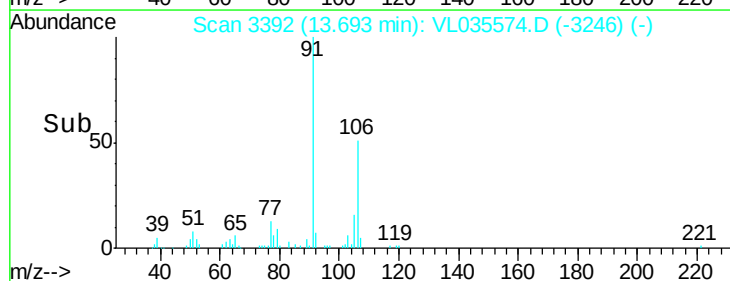
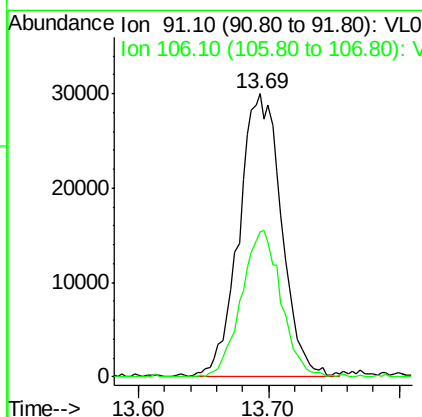
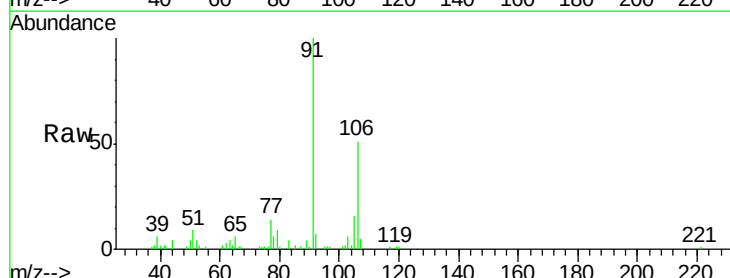
Manual Integrations
APPROVED

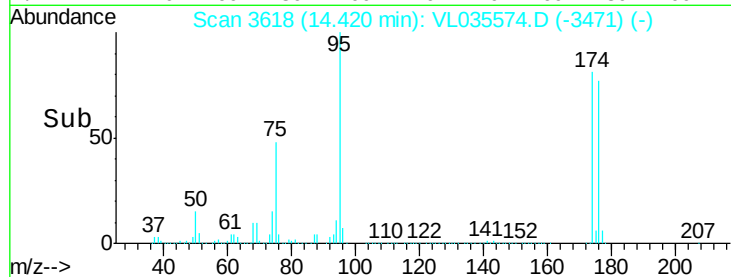
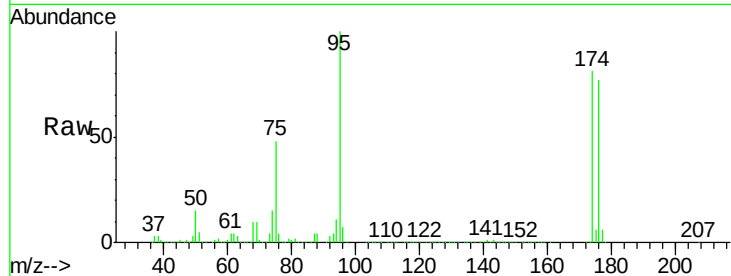
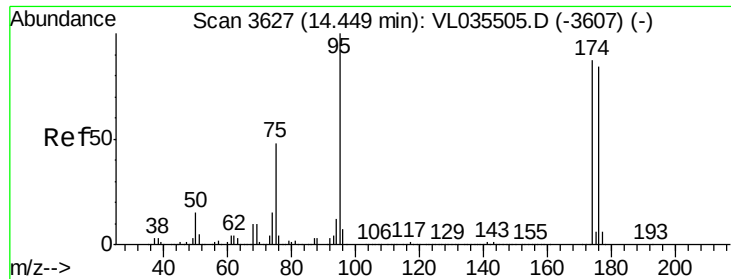
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#60
o-Xylene
Concen: 0.161 ppbv m
RT: 13.69 min Scan# 3392
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tgt Ion: 91 Resp: 68163
Ion Ratio Lower Upper
91 100
106 0.0 25.8 77.4#





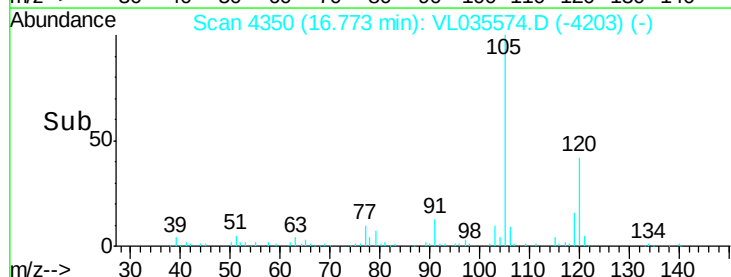
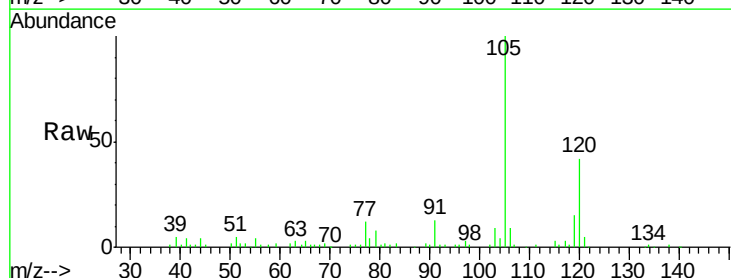
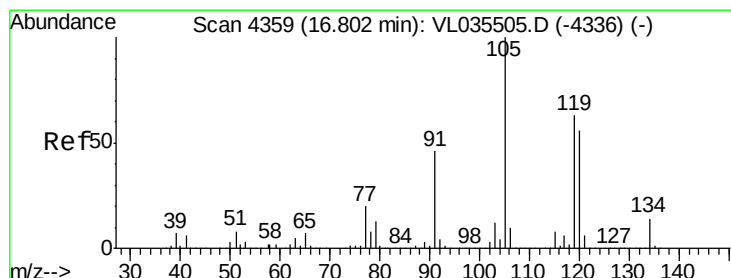
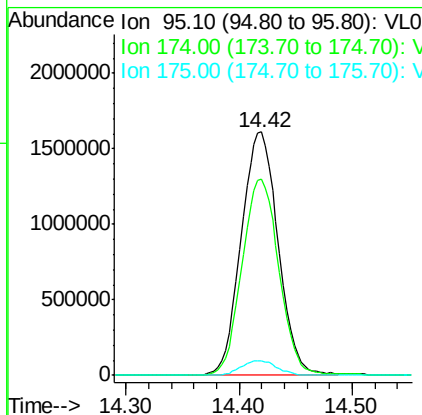
#68
1-Bromo-4-Fluorobenzene
Concen: 10.585 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion: 95 Resp: 3659659
Ion Ratio Lower Upper
95 100
174 81.4 69.6 104.4
175 5.9 5.1 7.7

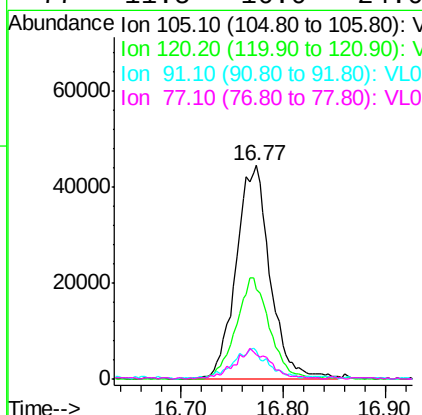
Manual Integrations
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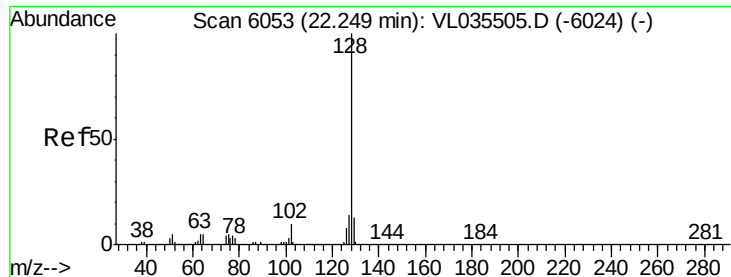
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#74
1,2,4-Trimethylbenzene
Concen: 0.189 ppbv m
RT: 16.77 min Scan# 4350
Delta R.T. -0.03 min
Lab File: VL035574.D
Acq: 9 Sep 2020 3:07

Tgt Ion: 105 Resp: 102910
Ion Ratio Lower Upper
105 100
120 41.8 44.4 66.6#
91 13.0 37.1 55.7#
77 11.5 16.0 24.0#





#79

Naphthalene

Concen: 0.124 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. -0.03 min

Lab File: VL035574.D

Acq: 9 Sep 2020 3:07

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tot Ion:	128	Resp:	75284
Ion Ratio	Lower	Upper	
128	100		
127	14.6	11.4	17.2
129	11.5	10.5	15.7

Manual Integrations
APPROVED

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