

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035538.D
 Acq On : 3 Sep 2020 19:52
 Operator : SY/AP
 Sample : L3898-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Manual Integrations
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 9/8/2020 5:12:45 PM

Quant Time: Sep 04 07:35:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.69	49	1068669	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4538143	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4531063	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3282104	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	68125	1.495	ppbv #	64
11) Trichlorofluoromethane	3.96	101	40706	0.151	ppbv	92
13) Ethanol	3.62	45	253485	22.437	ppbv	97
15) Acetone	3.86	43	6719247	57.008	ppbv #	84
17) tert-Butyl alcohol	4.33	59	157879	1.100	ppbv #	78
19) Isopropyl Alcohol	4.00	45	49912m	0.710	ppbv	
20) Methylene Chloride	4.37	84	123634	1.408	ppbv	98
26) Hexane	5.71	57	58162	0.493	ppbv #	56
34) 2-Butanone	5.28	43	29719m	0.221	ppbv	
53) Toluene	9.84	91	209694	0.568	ppbv	98
59) m/p-Xylene	13.01	91	49364m	0.126	ppbv	
79) Naphthalene	22.26	128	107971	0.192	ppbv #	89

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

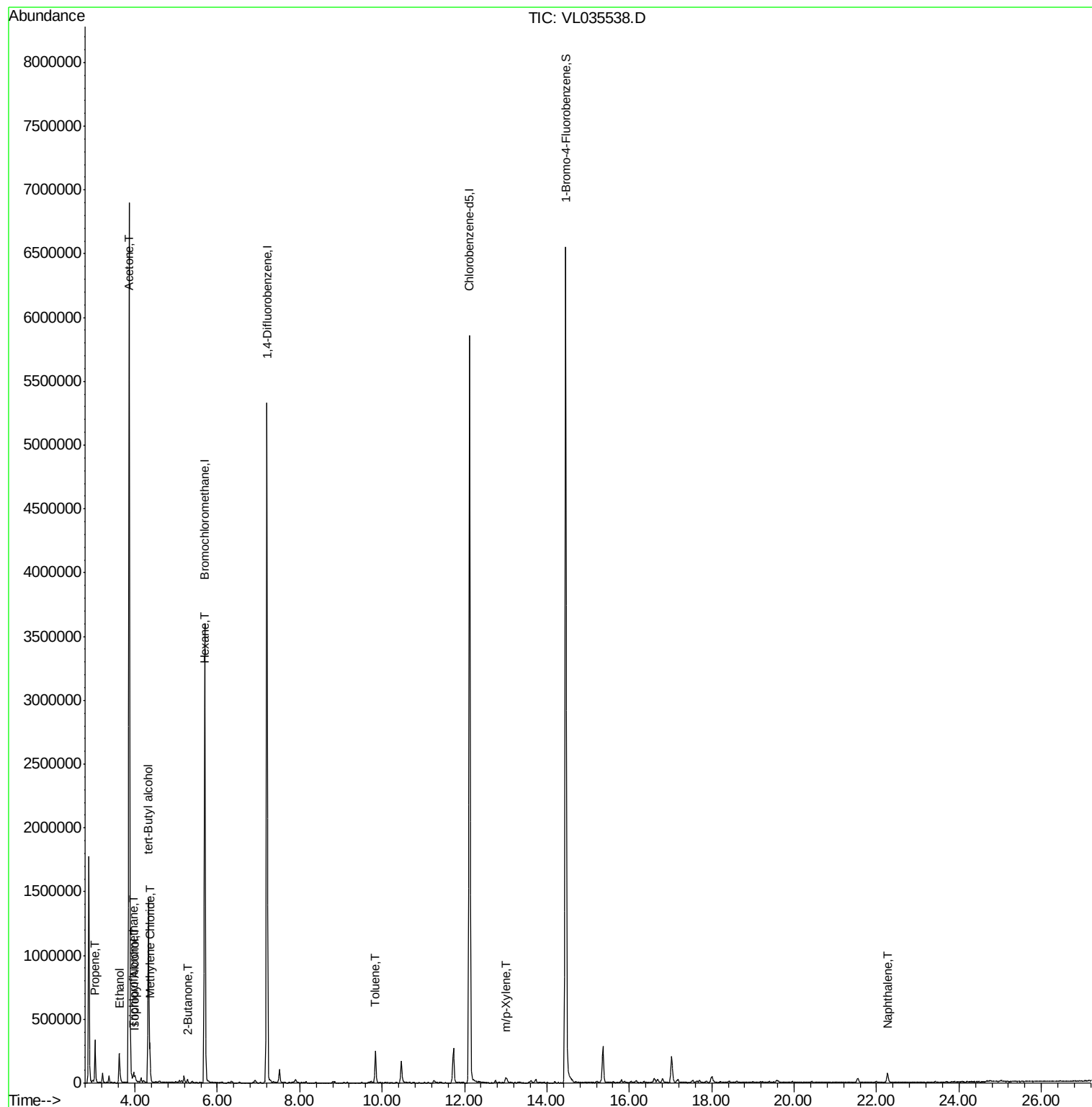
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090320\
Data File : VL035538.D
Acq On : 3 Sep 2020 19:52
Operator : SY/AP
Sample : L3898-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

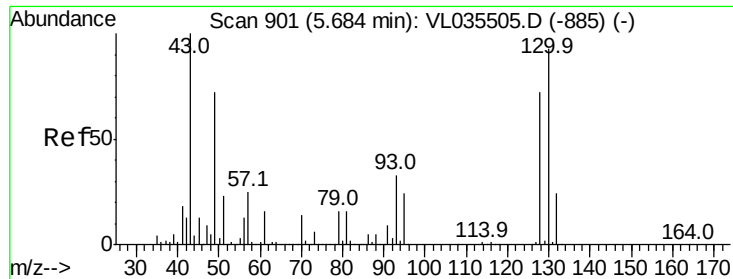
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Manual Integrations
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Quant Time: Sep 04 07:35:31 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: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035538.D

Acq: 3 Sep 2020 19:52

Instrument :

MSVOA_L

ClientSampled :

IA-3DL

Tot Ion: 49 Resp: 1068669

Ion Ratio Lower Upper

49 100

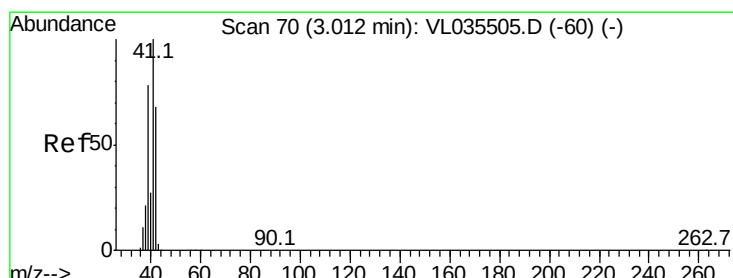
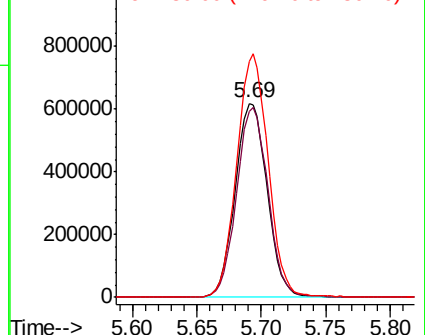
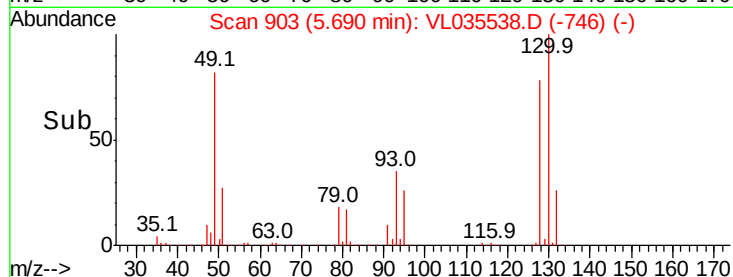
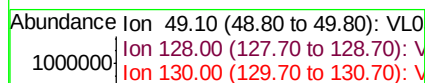
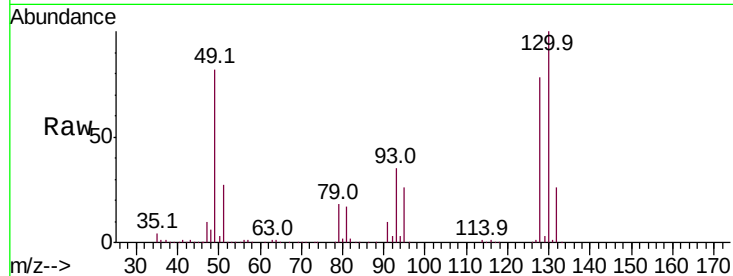
128 96.4 50.0 150.1

130 123.8 64.4 193.2

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#9

Propene

Concen: 1.495 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.02 min

Lab File: VL035538.D

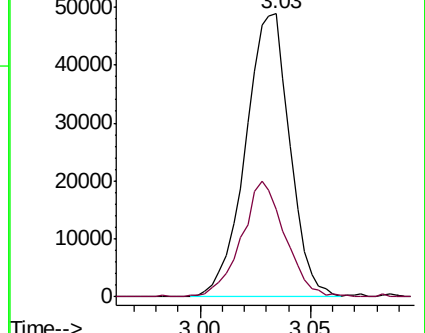
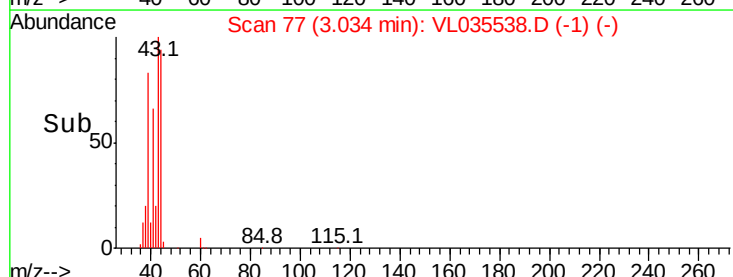
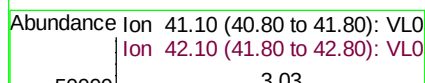
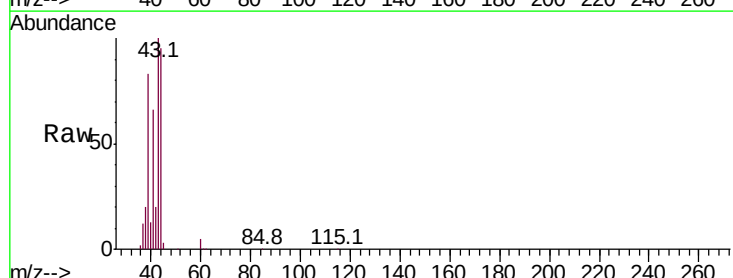
Acq: 3 Sep 2020 19:52

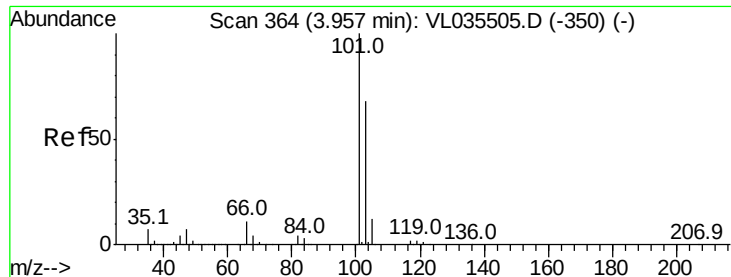
Tgt Ion: 41 Resp: 68125

Ion Ratio Lower Upper

41 100

42 40.4 56.3 84.5#





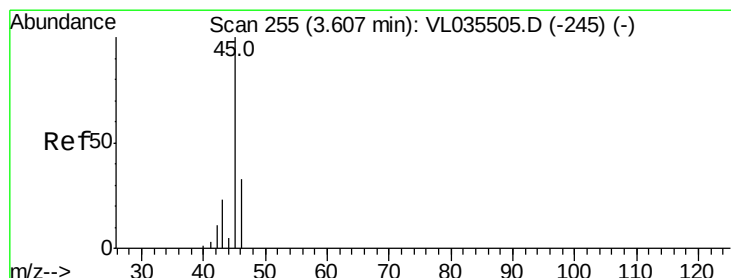
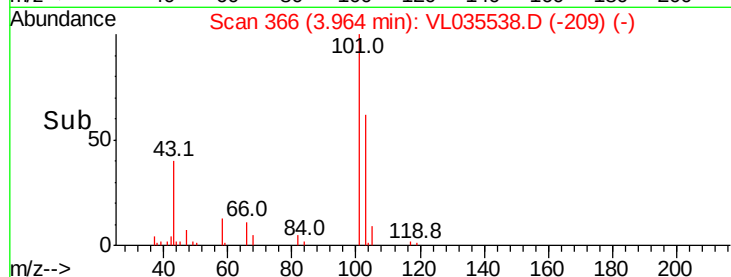
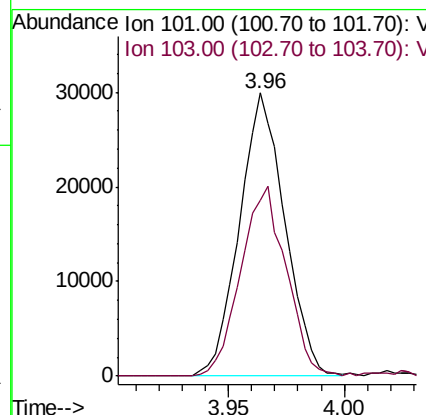
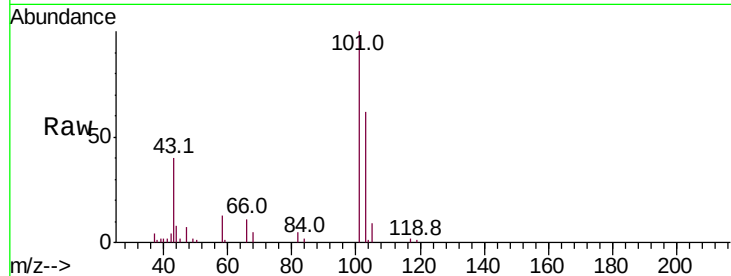
#11
 Trichlorofluoromethane
 Concen: 0.151 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL035538.D
 Acq: 3 Sep 2020 19:52

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Tot Ion: 101 Resp: 40706
 Ion Ratio Lower Upper
 101 100
 103 61.9 54.5 81.7

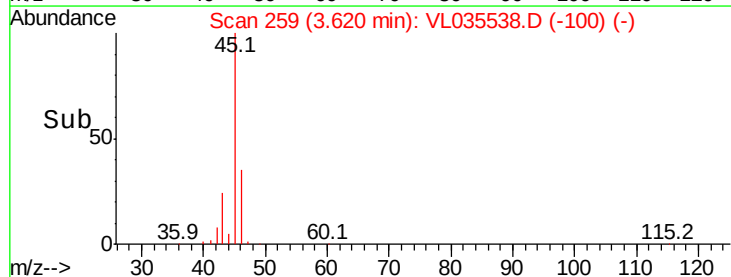
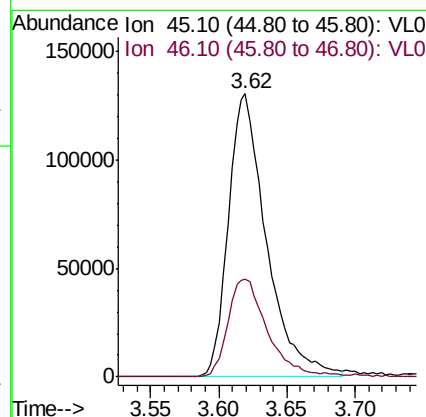
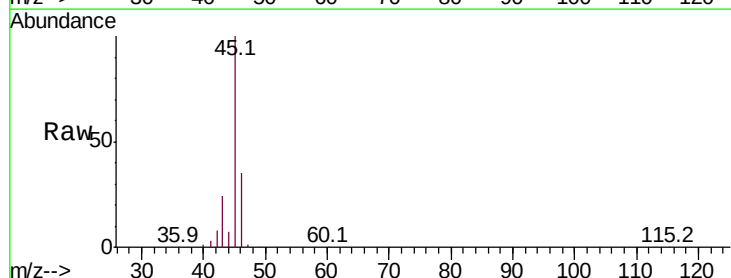
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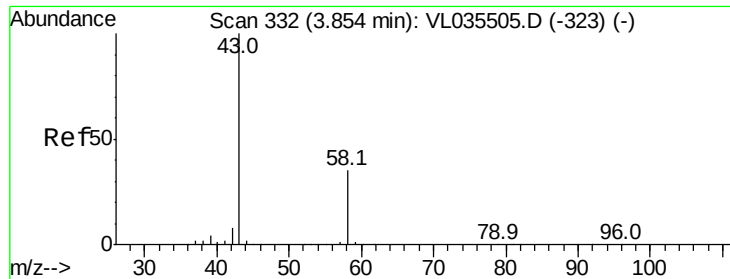
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#13
 Ethanol
 Concen: 22.437 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL035538.D
 Acq: 3 Sep 2020 19:52

Tgt Ion: 45 Resp: 253485
 Ion Ratio Lower Upper
 45 100
 46 36.4 15.2 60.6





#15

Acetone

Concen: 57.008 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035538.D

Acq: 3 Sep 2020 19:52

Instrument :

MSVOA_L

ClientSampled :

IA-3DL

Tot Ion: 43 Resp: 6719247

Ion Ratio Lower Upper

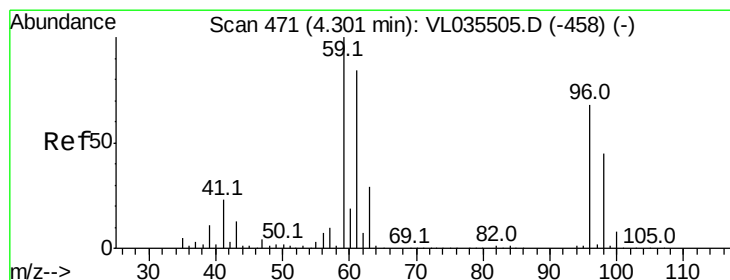
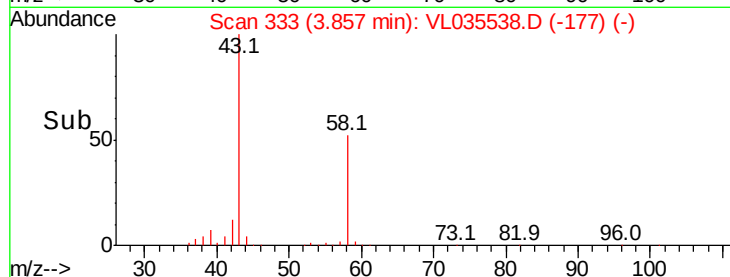
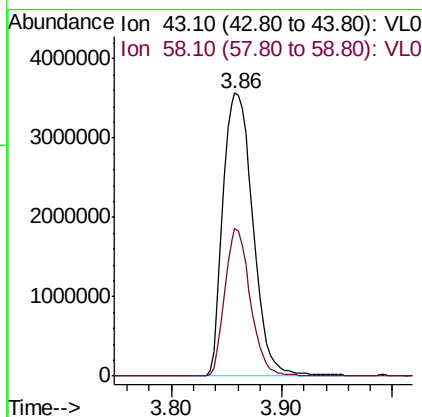
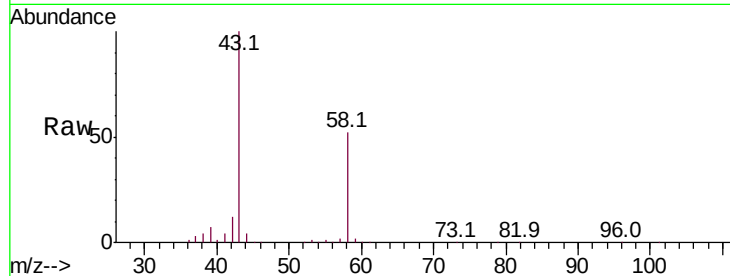
43 100

58 44.7 28.4 42.6#

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 1.100 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.03 min

Lab File: VL035538.D

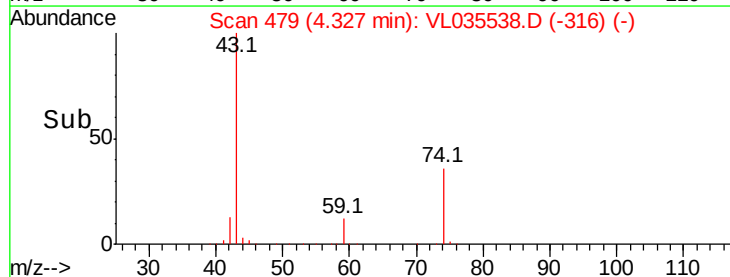
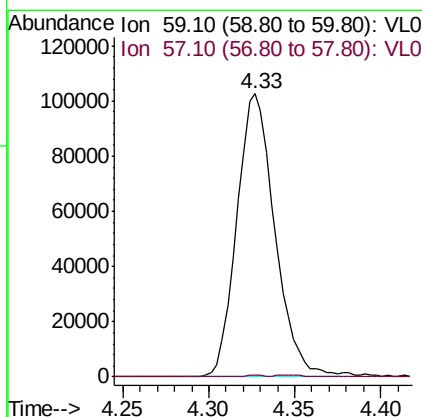
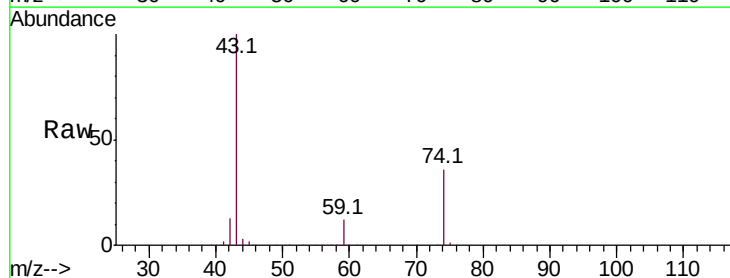
Acq: 3 Sep 2020 19:52

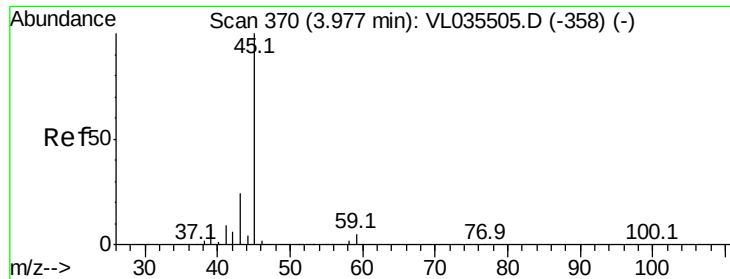
Tgt Ion: 59 Resp: 157879

Ion Ratio Lower Upper

59 100

57 2.2 8.4 12.6#





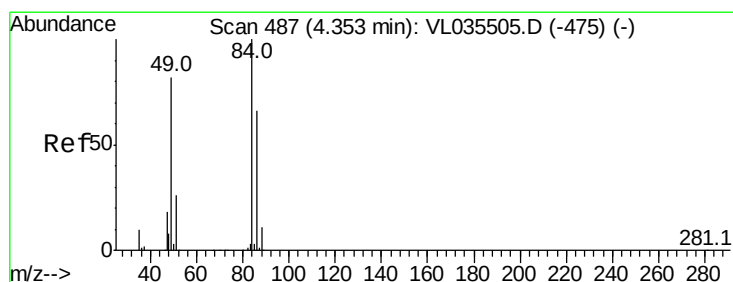
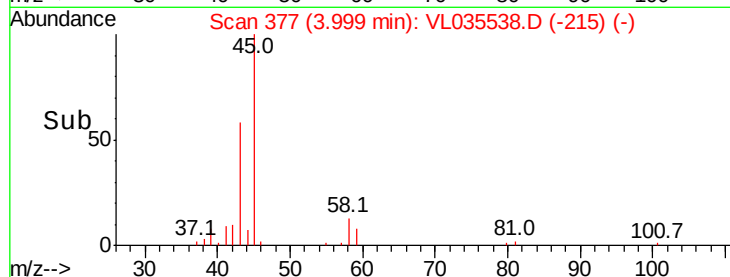
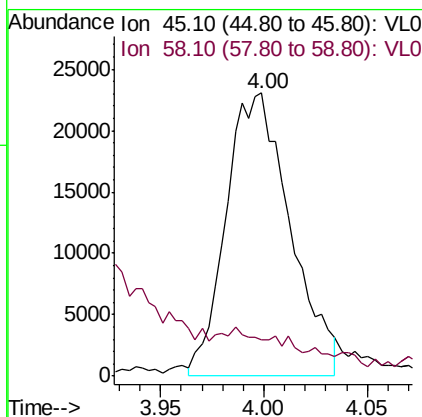
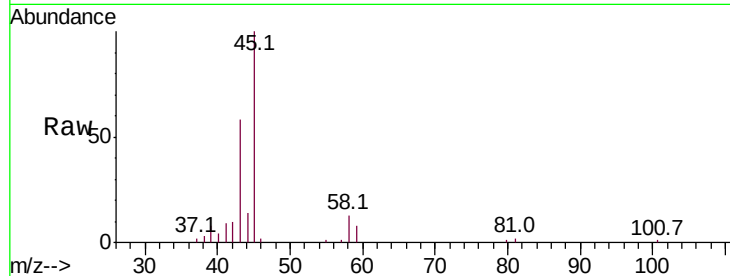
#19
Isopropyl Alcohol
Concen: 0.710 ppbv
RT: 4.00 min Scan# 377
Delta R.T. 0.02 min
Lab File: VL035538.D
Acq: 3 Sep 2020 19:52

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tot Ion: 45 Resp: 49912
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#

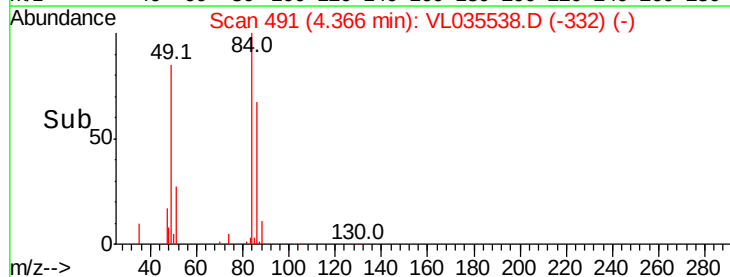
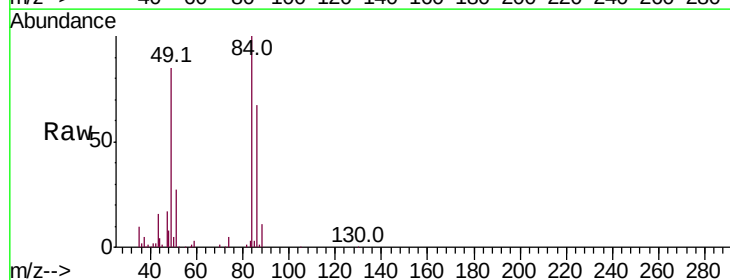
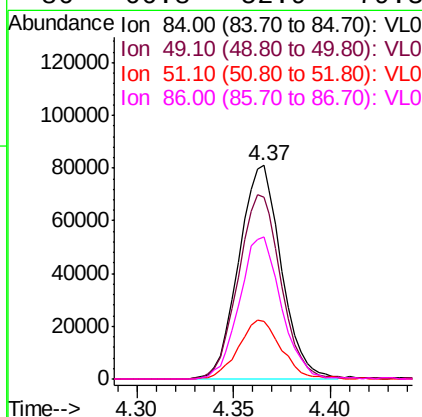
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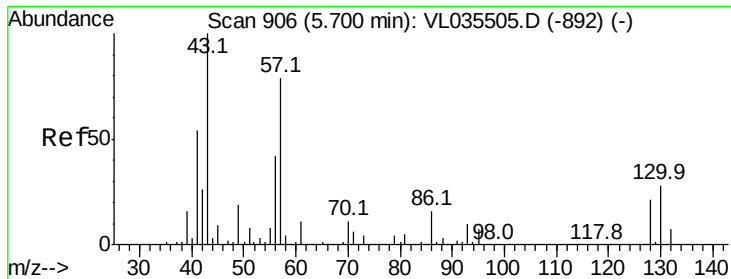
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#20
Methylene Chloride
Concen: 1.408 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.01 min
Lab File: VL035538.D
Acq: 3 Sep 2020 19:52

Tgt Ion: 84 Resp: 123634
Ion Ratio Lower Upper
84 100
49 84.5 65.4 98.0
51 26.9 21.5 32.3
86 66.8 52.9 79.3





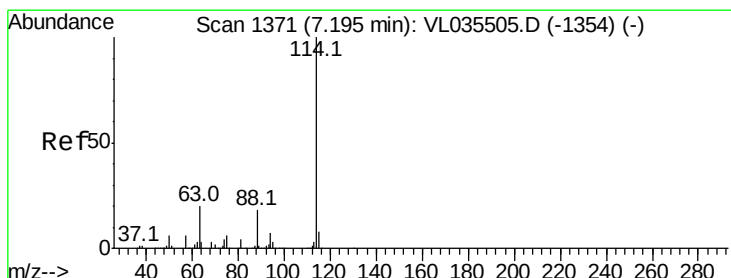
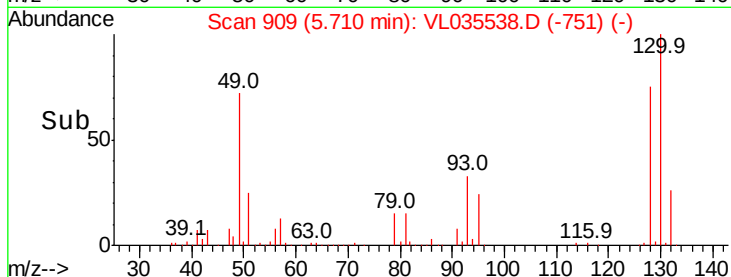
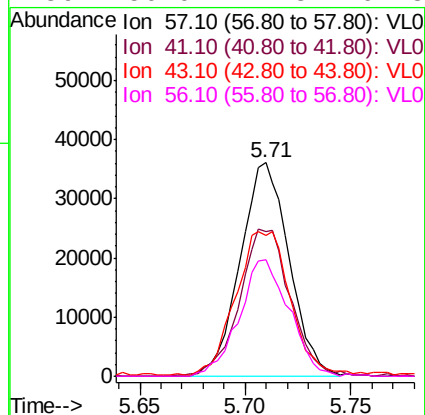
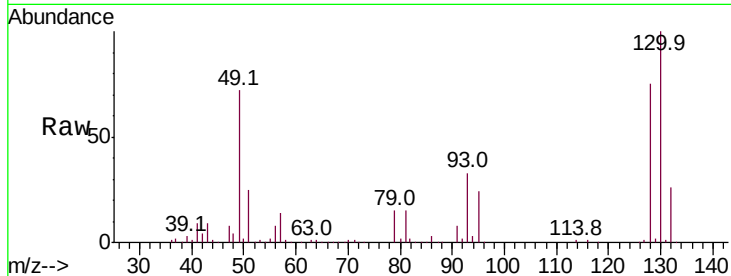
#26
Hexane
Concen: 0.493 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL035538.D
Acq: 3 Sep 2020 19:52

Instrument :
MSVOA_L
ClientSampled :
IA-3DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	72.4	55.9	83.9
43	77.0	141.8	212.8#
56	56.0	41.8	62.8

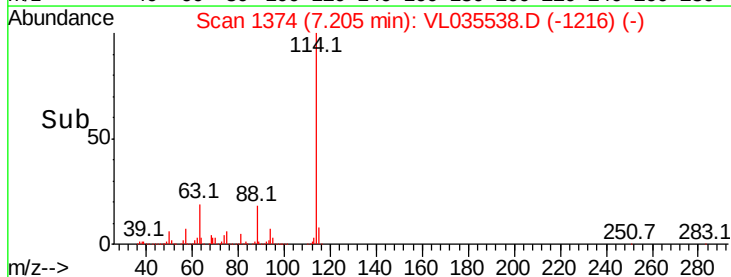
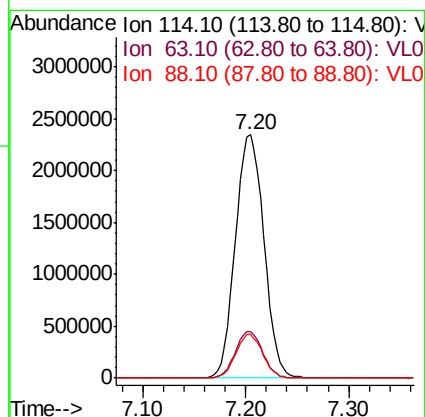
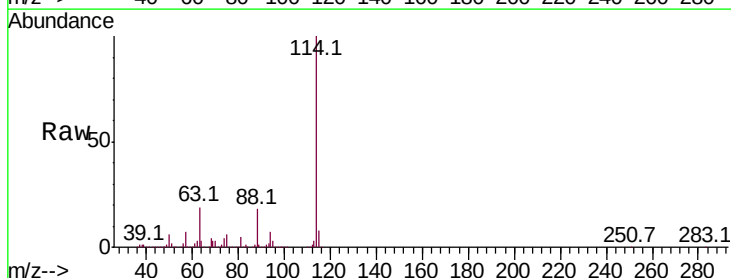
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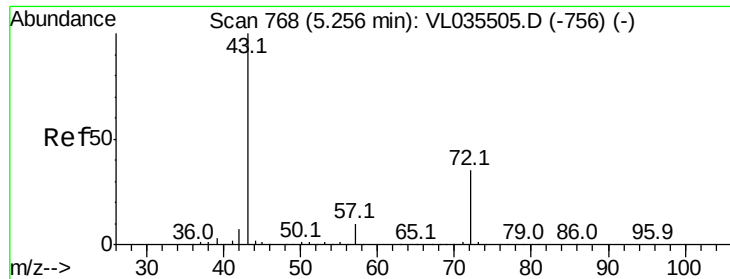
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.01 min
Lab File: VL035538.D
Acq: 3 Sep 2020 19:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	14.7	22.1
88	16.9	13.4	20.2





#34

2-Butanone

Concen: 0.221 ppbv m

RT: 5.28 min Scan# 775

Delta R.T. 0.02 min

Lab File: VL035538.D

Acq: 3 Sep 2020 19:52

Instrument :

MSVOA_L

ClientSampled :

IA-3DL

Tot Ion: 43 Resp: 29719

Ion Ratio Lower Upper

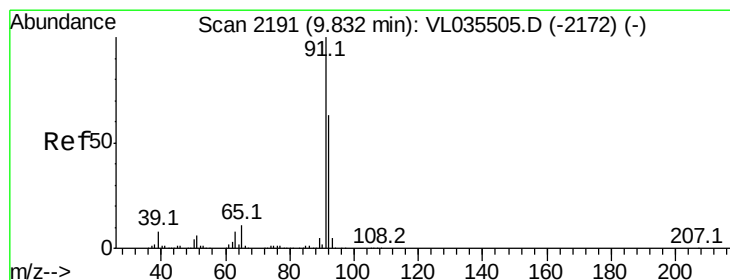
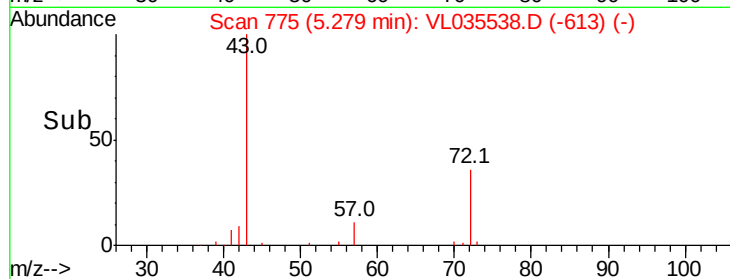
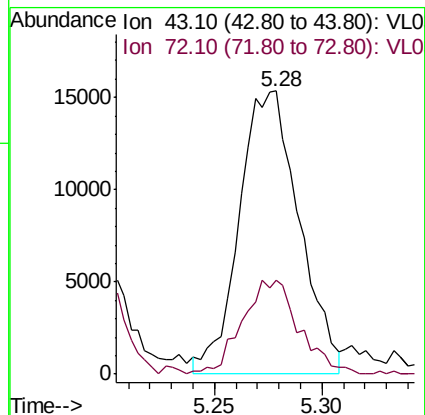
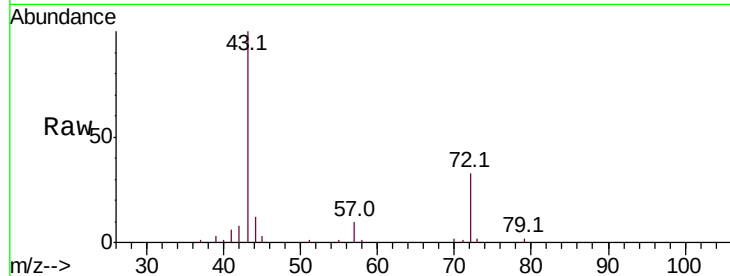
43 100

72 31.4 27.7 41.5

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#53

Toluene

Concen: 0.568 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035538.D

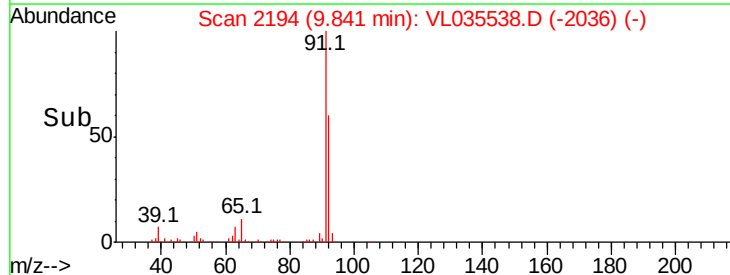
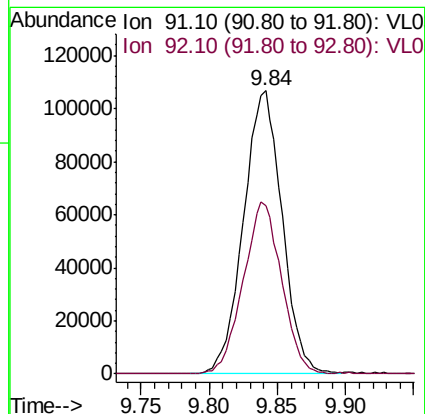
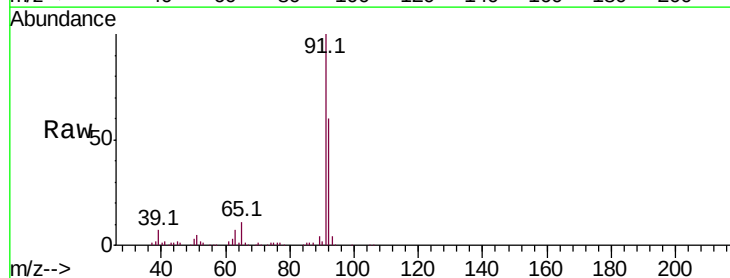
Acq: 3 Sep 2020 19:52

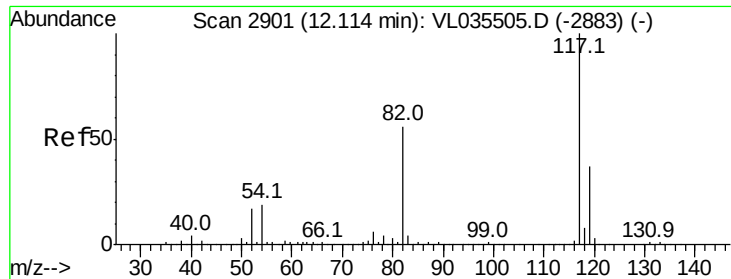
Tgt Ion: 91 Resp: 209694

Ion Ratio Lower Upper

91 100

92 60.6 49.8 74.8





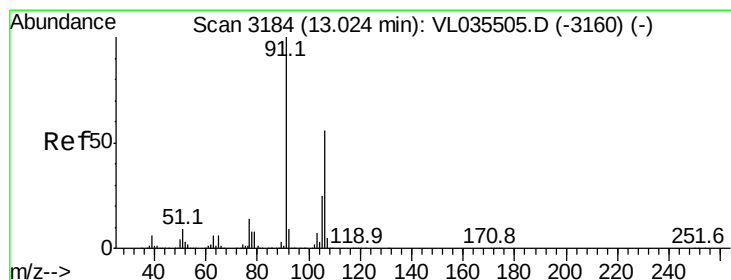
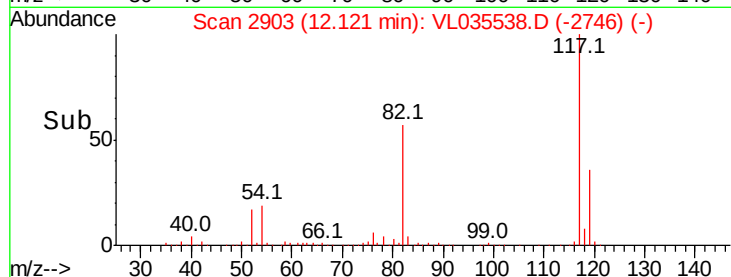
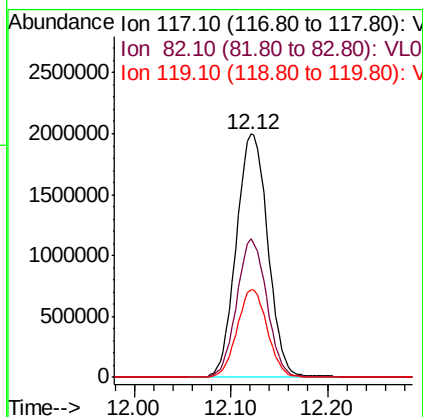
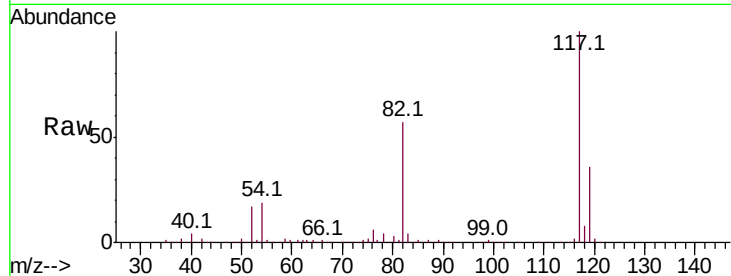
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035538.D
Acq: 3 Sep 2020 19:52

Instrument :
MSVOA_L
ClientSampled :
IA-3DL

Tot Ion:117 Resp: 4531063
Ion Ratio Lower Upper
117 100
82 54.7 41.6 62.4
119 34.9 29.3 43.9

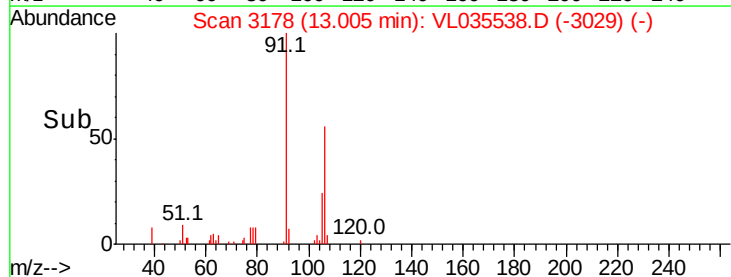
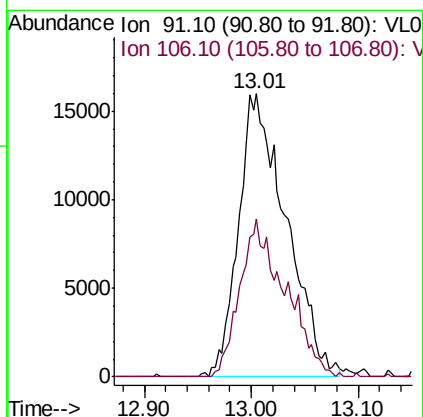
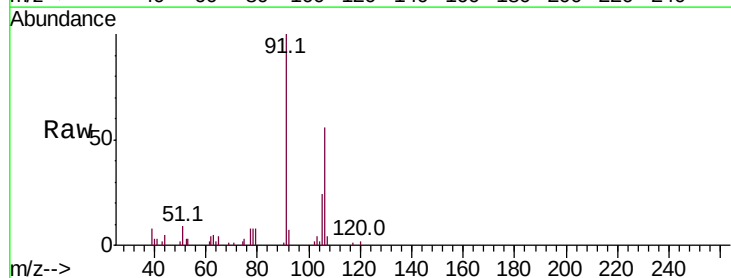
Manual Integrations
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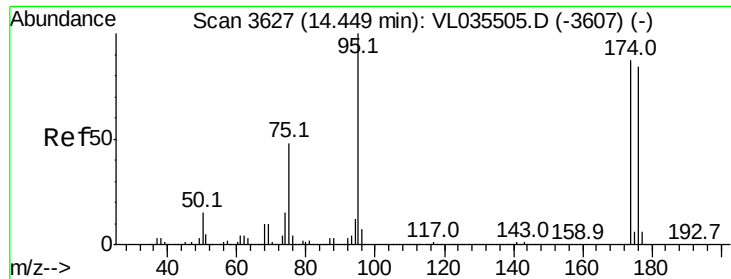
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#59
m/p-Xylene
Concen: 0.126 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035538.D
Acq: 3 Sep 2020 19:52

Tgt Ion: 91 Resp: 49364
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#





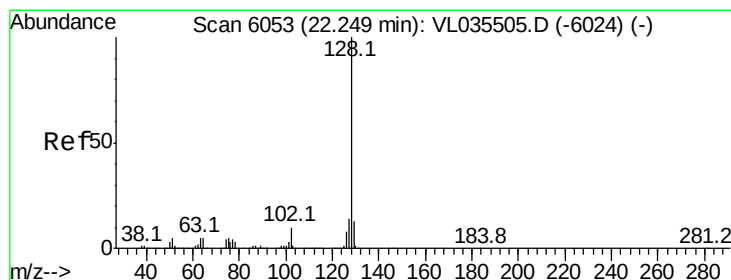
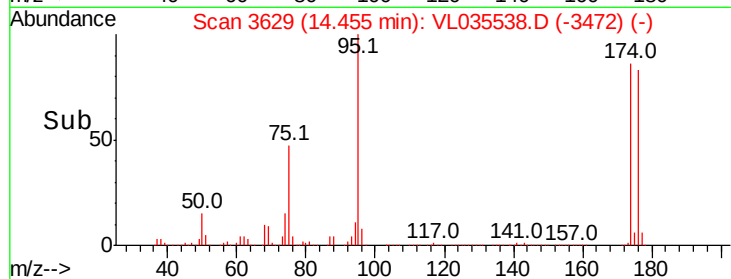
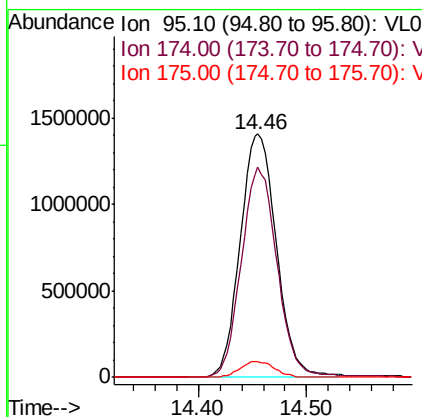
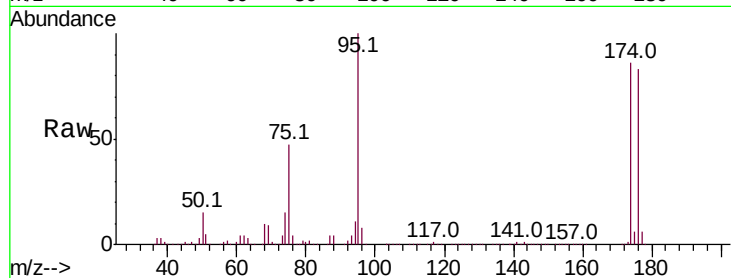
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.200 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035538.D
 Acq: 3 Sep 2020 19:52

Instrument :
 MSVOA_L
 ClientSampled :
 IA-3DL

Tot Ion: 95 Resp: 3282104
 Ion Ratio Lower Upper
 95 100
 174 86.1 69.6 104.4
 175 6.3 5.1 7.7

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:12:45 PM



#79
 Naphthalene
 Concen: 0.192 ppbv
 RT: 22.26 min Scan# 6057
 Delta R.T. 0.01 min
 Lab File: VL035538.D
 Acq: 3 Sep 2020 19:52

Tgt Ion: 128 Resp: 107971
 Ion Ratio Lower Upper
 128 100
 127 9.5 11.4 17.2#
 129 8.8 10.5 15.7#

